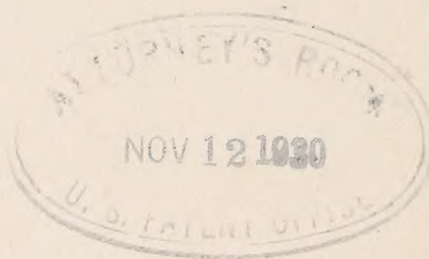


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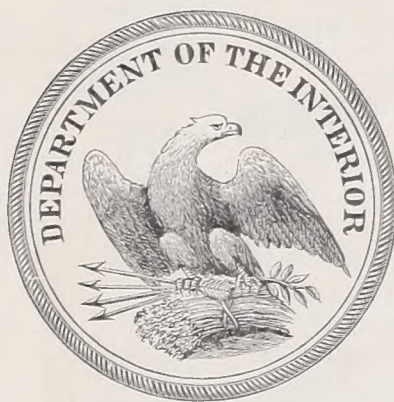
ANNUAL REPORT

OF THE

COMMISSIONER OF PATENTS

FOR THE YEAR

1913



WASHINGTON
GOVERNMENT PRINTING OFFICE

1914

REPORT

OF THE

COMMISSIONER OF PATENTS

TO CONGRESS

FOR THE YEAR ENDED DECEMBER 31, 1913.

DEPARTMENT OF THE INTERIOR,
UNITED STATES PATENT OFFICE,
Washington, D. C., January 31, 1914.
To the Senate and House of Representatives of the United States of America in Congress assembled:

In compliance with section 494 of the Revised Statutes I have the honor to submit the following report of the business of the Patent Office for the year ended December 31, 1913:

RECEIPTS.

Detailed statement of all moneys received for patents, for copies of records or drawings, or from any source whatever.

Applications:	
Cash received.....	\$1,787,918.00
Cash refunded.....	5,732.25
Net cash.....	1,782,185.75
Certificates of deposit.....	51,759.00
Total cash and certificates.....	1,833,944.75
Copies:	
Cash received.....	192,323.48
Cash refunded.....	4,242.69
Net cash.....	188,080.79
Certificates of deposit.....	1,248.20
Total cash and certificates.....	189,328.99
Recording assignments:	
Cash received.....	34,213.67
Cash refunded.....	1,479.77
Net cash.....	32,733.90
Certificates of deposit.....	80.00
Total cash and certificates.....	32,813.90
Registration of prints and labels:	
Cash received.....	8,354.00
Cash refunded.....	953.00
Net cash.....	7,381.00
Certificates of deposit.....	29.00
Total cash and certificates.....	7,410.00
Court costs, cash received.....	60.00
Aggregates.	
Cash received.....	2,022,849.40
Cash refunded.....	12,407.71
Net cash.....	2,010,441.69
Certificates of deposit.....	53,116.20
Total cash and certificates.....	2,063,557.89
Receipts from sale of Official Gazette and other publications through Government Printing Office.....	20,859.90
Grand total.....	2,084,417.79

EXPENDITURES.

Amounts expended under the several appropriations from January 1 to December 31.

	1912	1913
Salaries.....	\$1,304,124.30	\$1,353,358.74
Scientific library.....	2,374.58	2,045.17
International Union for Protection of Industrial Property.....		633.13
Stationery.....	9,546.00	10,315.72
Postage on foreign matter.....	614.91	1,305.00
Furniture, carpets, ice, telephones, washing towels, and sundries.....	21,408.80	19,666.90
Law library.....	603.83	319.80
Photolithographing:		
Paid contractor.....	114,046.14	92,041.13
Paid contractor for photographing.....		7,221.52
Paid Public Printer for old specifications.....	21,791.77	37,037.42
Printing and binding for Official Gazette, indexes, printing specifications, and miscellaneous work.....	547,439.93	423,055.46
Defending suits, etc.....	115.85	383.29
Total.....	2,022,066.11	1,947,383.28

RECEIPTS AND EXPENDITURES.

Receipts from all sources.....	\$2,084,417.79
Expenditures.....	1,947,283.28
Surplus.....	137,034.51

Surplus earnings of the Patent Office, deposited in the Treasury of the United States.

Amount of total net surplus in Treasury, January 1, 1913.....	\$7,160,017.95
Net surplus for the year 1913.....	137,034.51
Total net surplus, December 31, 1913.....	7,297,052.46

SUMMARY OF THE BUSINESS OF THE PATENT OFFICE.

Applications for patents for inventions.....	68,117
Applications for patents for designs.....	2,060
Applications for reissues of patents.....	190
Total.....	70,367
Applications for registration of trade-marks.....	7,369
Applications for registration of labels.....	1,002
Applications for registration of prints.....	391
Disclaimers filed.....	24
Appeals on the merits.....	1,622
Total.....	10,408
Patents issued, including designs.....	35,624
Patents reissued.....	164
Total.....	35,788
Trade-marks registered.....	5,065
Labels registered.....	708
Prints registered.....	290
Total.....	6,063
Patents expired during the year.....	21,867
Applications forfeited for non-payment of final fees.....	7,716
Applications allowed, awaiting final fees.....	13,567
Trade-mark applications passed for publication.....	5,107

PATENTS ISSUED.

Patents issued to citizens of the United States, with the ratio of population to each patent granted.

States.	Patents and designs.	One to every—	States.	Patents and designs.	One to every—
Alabama.....	189	11,313	North Carolina.....	161	13,704
Arizona.....	71	2,878	North Dakota.....	131	4,405
Arkansas.....	141	11,166	Ohio.....	2,099	2,271
California.....	1,668	1,425	Oklahoma.....	263	6,301
Colorado.....	436	1,832	Oregon.....	254	2,649
Connecticut.....	968	1,152	Pennsylvania.....	3,085	2,485
Delaware.....	40	5,058	Rhode Island.....	271	2,002
Florida.....	132	5,702	South Carolina.....	90	24,514
Georgia.....	238	10,963	South Dakota.....	124	4,709
Idaho.....	107	3,043	Tennessee.....	210	10,404
Illinois.....	3,229	1,746	Texas.....	599	6,505
Indiana.....	713	3,788	Utah.....	121	3,086
Iowa.....	606	3,671	Vermont.....	58	6,137
Kansas.....	410	4,124	Virginia.....	290	7,109
Kentucky.....	228	10,043	Washington.....	529	2,159
Louisiana.....	171	9,686	West Virginia.....	201	6,075
Maine.....	113	6,570	Wisconsin.....	763	3,059
Maryland.....	317	4,083	Wyoming.....	39	3,743
Massachusetts.....	1,809	1,861			
Michigan.....	969	2,900	Alaska.....	6	10,726
Minnesota.....	586	3,542	Canal Zone.....	11	.....
Mississippi.....	94	19,118	District of Columbia.....	241	1,374
Missouri.....	1,027	3,207	Hawaii.....	21	9,138
Montana.....	132	2,849	Philippine Islands.....	10	763,543
Nebraska.....	274	4,351	Porto Rico.....	5	229,006
Nevada.....	42	1,949	United States Army.....	7	.....
New Hampshire.....	98	4,394	United States Navy.....	11	.....
New Jersey.....	1,610	1,576			
New Mexico.....	52	6,296	Total.....	131,382	
New York.....	5,312	1,716			

¹ Not including 164 reissues and 30 patents withdrawn.

Patents granted to citizens of foreign countries.

Argentina.....	8	Dominican Republic.....	1	Java.....	1	South Australia.....	5
Austria-Hungary.....	168	Dutch East Indies.....	1	Mexico.....	31	Spain.....	5
Belgium.....	54	Egypt.....	1	Netherlands.....	20	Sweden.....	87
Brazil.....	6	England.....	908	Newfoundland.....	2	Switzerland.....	131
British Indies.....	1	Ecuador.....	1	New South Wales.....	27	Transvaal.....	11
Canada.....	557	France.....	340	New Zealand.....	45	Uruguay.....	1
Cape Colony.....	1	Germany.....	1,433	Norway.....	31	Venezuela.....	5
Ceylon.....	1	Guatemala.....	3	Panama.....	1	Victoria.....	41
Chile.....	1	India.....	6	Portugal.....	2	Wales.....	10
China.....	1	Ireland.....	17	Queensland.....	6	West Australia.....	3
Cuba.....	21	Isle of Jersey.....	1	Roumania.....	2		
Danish East Indies.....	1	Italy.....	55	Russia.....	48	Total.....	4,212
Denmark.....	28	Japan.....	19	Scotland.....	63		

The following tables present a comparative statement of the business of the Patent Office since the enactment of the statute of 1836 and exhibit in detail the business of the office during the last calendar year:

Comparative statement of the business of the Office from 1837 to 1913, inclusive.

Year.	Applica-tions.	Caveats filed.	Patents and re-issues.	Cash received.	Cash expended.	Surplus.
1837.....			435	\$29,289.08	\$33,506.98	.....
1838.....			520	42,123.54	37,338.92	\$4,784.62
1839.....			425	38,019.97	34,543.51	3,476.46
1840.....	765	228	473	38,056.51	39,020.67	.....
1841.....	847	312	495	40,413.01	52,666.87	.....
1842.....	761	291	517	36,505.63	31,241.43	5,264.20
1843.....	819	315	519	35,315.81	30,776.96	4,538.85
1844.....	1,045	380	497	42,509.26	36,344.53	6,164.73
1845.....	1,246	452	503	51,076.14	39,395.65	11,680.49
1846.....	1,272	448	638	50,264.16	46,158.71	4,105.45
1847.....	1,531	533	569	63,111.19	41,878.35	21,232.84
1848.....	1,628	607	653	67,576.69	58,905.84	8,670.85
1849.....	1,955	595	1,077	80,752.78	77,716.44	3,036.34
1850.....	2,193	602	993	86,927.05	80,100.95	6,826.10
1851.....	2,258	760	872	95,738.61	86,916.93	8,821.68
1852.....	2,639	996	1,019	112,056.34	95,916.91	16,139.43
1853.....	2,673	901	961	121,527.45	132,869.83	.....
1854.....	3,324	868	1,844	163,789.84	167,146.32	.....
1855.....	4,435	906	2,013	216,459.35	179,540.33	36,919.02
1856.....	4,960	1,024	2,505	192,588.02	199,931.02	.....
1857.....	4,771	1,010	2,896	196,132.01	211,582.09	.....
1858.....	5,364	943	3,710	203,716.16	193,193.74	10,522.42
1859.....	6,225	1,079	4,538	245,942.15	210,278.41	35,663.74
1860.....	7,653	1,084	4,819	256,352.59	252,820.80	3,531.79
1861.....	4,643	700	3,340	137,354.44	221,491.91	.....
1862.....	5,038	824	3,521	215,754.99	182,810.39	32,944.06
1863.....	6,014	787	4,170	195,593.29	189,414.14	6,179.15
1864.....	6,972	1,063	5,020	240,919.98	229,868.00	11,051.98
1865.....	10,664	1,932	6,616	348,791.84	274,199.34	74,592.50

Comparative statement of the business of the office from 1837 to 1913, inclusive—Continued.

Year.	Applica- tions.	Caveats filed.	Patents and re- issues.	Cash received.	Cash ex- pended.	Surplus.
1866.....	15,269	2,723	9,450	\$495,665.38	\$361,724.28	\$133,941.10
1867.....	21,276	3,597	13,015	646,581.92	639,263.32	7,318.60
1868.....	20,445	3,705	13,378	681,565.86	628,679.77	52,886.09
1869.....	19,271	3,624	13,986	693,145.81	486,430.74	206,715.07
1870.....	19,171	3,273	13,321	669,456.76	557,147.19	112,309.57
1871.....	19,472	3,366	13,033	678,716.46	562,091.64	116,624.82
1872.....	18,246	3,090	13,590	699,726.39	665,595.00	34,131.39
1873.....	20,414	3,248	12,864	703,191.77	691,178.98	12,012.79
1874.....	21,602	3,181	13,599	738,278.17	679,288.41	58,989.76
1875.....	21,638	3,094	14,837	743,453.36	721,657.71	21,795.65
1876.....	21,425	2,697	15,595	757,987.65	652,542.60	105,445.05
1877.....	20,308	2,809	14,187	732,342.85	613,152.62	119,190.23
1878.....	20,260	2,755	13,444	725,375.55	593,082.89	132,292.66
1879.....	20,059	2,620	13,213	703,931.47	529,638.97	174,292.50
1880.....	23,012	2,490	13,947	749,685.32	538,865.17	210,820.15
1881.....	26,059	2,406	16,584	853,665.89	605,173.28	248,492.61
1882.....	31,522	2,553	19,267	1,009,219.45	683,867.67	325,351.78
1883.....	34,576	2,741	22,383	1,146,240.00	675,234.86	471,005.14
1884.....	35,600	2,582	20,413	1,075,798.80	970,579.76	105,219.04
1885.....	35,717	2,552	24,233	1,188,089.15	1,024,378.85	163,710.30
1886.....	35,968	2,513	22,508	1,154,551.40	992,503.45	162,047.95
1887.....	35,613	2,622	21,477	1,144,509.60	994,472.22	150,037.38
1888.....	35,797	2,251	20,506	1,118,516.10	973,108.78	145,407.32
1889.....	40,575	2,481	24,158	1,281,728.05	1,052,955.96	228,772.09
1890.....	41,048	2,311	26,292	1,340,372.66	1,099,297.74	241,074.92
1891.....	40,552	2,408	23,244	1,271,285.78	1,139,713.35	131,572.43
1892.....	40,753	2,290	23,559	1,286,331.88	1,110,739.24	175,592.59
1893.....	38,473	2,247	23,769	1,242,871.64	1,141,038.45	101,833.19
1894.....	38,439	2,286	20,867	1,187,439.58	1,100,047.12	87,392.46
1895.....	40,680	2,415	22,057	1,245,246.93	1,106,389.49	138,857.44
1896.....	43,982	2,271	23,373	1,324,059.83	1,113,413.71	210,646.12
1897.....	47,905	2,176	23,794	1,375,641.72	1,122,843.13	252,798.59
1898.....	35,842	1,659	22,267	1,137,734.48	1,136,196.20	1,538.28
1899.....	41,443	1,716	25,527	1,325,457.03	1,211,783.73	113,673.30
1900.....	41,980	1,731	26,499	1,350,828.53	1,260,019.62	90,808.91
1901.....	46,449	1,842	27,373	1,449,398.16	1,297,385.64	152,012.52
1902.....	49,641	1,851	27,886	1,552,859.08	1,393,345.54	159,513.54
1903.....	50,213	1,771	31,699	1,642,201.81	1,448,645.81	193,556.00
1904.....	52,143	1,808	30,934	1,657,326.53	1,476,000.38	181,326.15
1905.....	54,971	1,896	30,399	1,806,758.14	1,479,633.22	327,124.92
1906.....	56,482	1,885	31,965	1,790,921.38	1,554,891.20	236,030.18
1907.....	58,762	1,967	36,620	1,910,618.14	1,631,458.36	279,159.78
1908.....	61,475	2,110	33,682	1,896,847.67	1,712,303.42	184,544.25
1909.....	65,839	1,948	37,421	2,042,828.14	1,955,151.14	87,677.00
1910.....	64,629	970	35,930	2,025,536.69	2,005,711.94	19,824.75
1911.....	69,121	.....	34,084	2,019,388.03	1,953,689.91	65,698.12
1912.....	70,976	.....	37,731	2,118,158.30	2,022,066.11	96,092.19
1913.....	70,367	.....	35,788	2,084,417.79	1,947,383.28	137,034.51

Statement showing the number of the first patent, design patent, and reissued patent, and the number of the first certificate of registration of a trade-mark, label, and print issued in each calendar year since July 28, 1836, when the present series of numbers of letters patent commenced, together with the total number of each issued during the year.

[The number of patents granted prior to the commencement of this series of numbering (July 28, 1836) was 9,957.]

Calendar year.	Number of first patent and certificate issued in each calendar year.						Number of patents and certificates of registration issued during each calendar year.					
	Patents.	Designs.	Reissues.	Trade-marks.	Labels.	Prints.	Patents.	Designs.	Reissues.	Total patents.	Trade-marks.	Labels.
1836 (July 28).....	1	.....	.....	.....	.....	.....	109	.....	.....	.....	.....	.....
1837.....	110	.....	.....	.....	.....	.....	436	.....	.....	.....	.....	.....
1838.....	546	.....	1	.....	.....	.....	515	.....	6	.....	.....	.....
1839.....	1,061	.....	7	.....	.....	.....	404	.....	13	.....	.....	.....
1840.....	1,465	.....	20	.....	.....	.....	458	.....	10	.....	.....	.....
1841.....	1,923	.....	30	.....	.....	.....	490	.....	6	.....	.....	.....
1842.....	2,413	.....	36	.....	.....	.....	488	.....	13	.....	.....	.....
1843.....	2,901	.....	49	.....	.....	.....	494	14	11	519	.....	.....
1844.....	3,395	15	60	.....	.....	.....	478	12	7	497	.....	.....
1845.....	3,873	27	67	.....	.....	.....	475	17	11	503	.....	.....
1846.....	4,348	44	78	.....	.....	.....	566	59	13	638	.....	.....
1847.....	4,914	103	91	.....	.....	.....	495	60	14	569	.....	.....
1848.....	5,409	163	105	.....	.....	.....	584	46	23	653	.....	.....
1849.....	5,993	209	128	.....	.....	.....	988	49	30	1,067	.....	.....
1850.....	6,981	253	158	.....	.....	.....	884	83	26	993	.....	.....
1851.....	7,865	341	184	.....	.....	.....	757	90	25	872	.....	.....
1852.....	8,622	431	209	.....	.....	.....	890	109	20	1,019	.....	.....
1853.....	9,512	540	229	.....	.....	.....	846	86	29	961	.....	.....
1854.....	10,358	626	258	.....	.....	.....	1,759	57	28	1,844	.....	.....
1855.....	12,117	683	286	.....	.....	.....	1,892	70	51	2,013	.....	.....
1856.....	14,009	753	337	.....	.....	.....	2,315	107	83	2,505	.....	.....
1857.....	16,324	860	420	.....	.....	.....	2,686	113	97	2,896	.....	.....
1858.....	19,010	973	517	.....	.....	.....	3,467	102	126	3,695	.....	.....
1859.....	22,477	1,075	643	.....	.....	.....	4,165	108	231	4,504	.....	.....
1860.....	26,642	1,183	674	.....	.....	.....	4,363	183	232	4,778	.....	.....
1861.....	31,005	1,366	1,106	.....	.....	.....	3,040	142	147	3,329	.....	.....
1862.....	34,045	1,508	1,253	.....	.....	.....	3,221	195	116	3,532	.....	.....

Statement showing the number of the first patent, design patent, and reissued patent, etc.—Continued.

Calendar year.	Number of first patent and certificate issued in each calendar year.						Number of patents and certificates of registration issued during each calendar year.							
	Patents.	Designs.	Reissues.	Trade-marks.	Labels.	Prints.	Patents.	Designs.	Reissues.	Total patents.	Trade-marks.	Labels.	Prints.	Total certifi- cates.
1863.	37,266	1,703	1,369				3,781	176	227	4,184				
1864.	41,047	1,879	1,596				4,638	139	248	5,025				
1865.	45,685	2,018	1,844				6,099	221	296	6,616				
1866.	51,784	2,239	2,140				8,874	294	290	9,458				
1867.	60,658	2,533	2,430				12,301	325	400	13,026				
1868.	72,959	2,858	2,830				12,544	446	420	13,410				
1869.	85,503	3,304	3,250				12,957	506	534	13,997				
1870.	98,460	3,810	3,784	1			12,157	737	439	13,333	121			121
1871.	110,617	4,547	4,223	122			11,687	905	464	13,056	486			486
1872.	122,304	5,452	4,687	608			12,200	884	529	13,613	491			491
1873.	134,504	6,336	5,216	1,099			11,616	747	501	12,864	492			492
1874.	146,120	7,083	5,717	1,591	1		12,230	886	483	13,599	559	232		791
1875.	158,350	7,969	6,200	2,150	233		13,291	915	631	14,837	1,138	232		1,370
1876.	171,641	8,884	6,831	3,283	465		14,172	802	621	15,595	959	472		1,431
1877.	185,813	9,686	7,452	4,247	937		12,920	699	568	14,187	1,216	392		1,603
1878.	198,733	10,385	8,020	5,463	1,329		12,345	590	509	13,444	1,455	492		1,947
1879.	211,078	10,975	8,529	6,918	1,821		12,133	592	488	13,213	872	355		1,227
1880.	223,211	11,567	9,017	7,790	2,176		12,926	515	506	13,947	349	203		552
1881.	236,137	12,082	9,523	8,139	2,379		15,548	565	471	16,584	834	202		1,036
1882.	251,685	12,647	9,994	8,973	2,581		18,135	861	271	19,267	947	304		1,251
1883.	269,820	13,508	10,265	9,920	2,885		21,196	1,020	167	22,383	902	906		1,808
1884.	291,016	14,528	10,432	10,822	3,791		19,147	1,150	116	20,413	1,021	513		1,534
1885.	310,163	15,678	10,548	11,843	4,304		23,331	773	129	24,233	1,067	391		1,458
1886.	333,494	16,451	10,677	12,910	4,695		21,797	595	116	22,508	1,029	378		1,407
1887.	355,291	17,046	10,793	13,939	5,073		20,429	949	99	21,477	1,133	380		1,513
1888.	375,720	17,995	10,892	15,072	5,453		19,585	835	86	20,506	1,059	327		1,386
1889.	395,305	18,830	10,978	16,131	5,780		23,360	723	75	24,158	1,229	319		1,548
1890.	418,665	19,553	11,053	17,360	6,099		25,322	886	84	26,292	1,415	304		1,719
1891.	443,987	20,439	11,137	18,775	6,403		22,328	836	80	23,244	1,762	137		1,899
1892.	466,315	21,275	11,217	20,537	6,540		22,661	817	81	23,559	1,737	16		1,743
1893.	488,976	22,092	11,298	22,274	None.	1	22,768	902	99	23,769	1,677	None.	2	1,679
1894.	511,744	22,994	11,397	23,951	None.	3	19,875	928	64	20,857	1,806	None.	4	1,810
1895.	531,619	23,922	11,461	25,757	None.	7	20,883	1,115	59	22,057	1,829	None.	3	1,832
1896.	552,502	25,037	11,520	27,586	6,546	10	21,867	1,445	61	23,273	1,813	1	32	1,846
1897.	574,369	26,482	11,581	29,399	6,547	42	22,098	1,631	65	23,794	1,671	14	16	1,701
1898.	596,467	28,113	11,646	31,070	6,561	58	20,404	1,803	60	22,267	1,238	200	35	1,473
1899.	616,871	29,916	11,706	32,308	6,761	93	23,296	2,139	92	25,527	1,649	511	100	2,260
1900.	640,167	32,055	11,798	33,957	7,272	193	24,660	1,758	81	26,499	1,721	737	93	2,551
1901.	664,827	33,813	11,879	35,678	8,009	286	25,558	1,734	81	27,373	1,928	878	159	2,965
1902.	690,385	35,547	11,960	37,606	8,887	445	27,136	640	110	27,886	2,006	767	158	2,931
1903.	717,521	36,187	12,070	39,612	9,654	603	31,046	536	117	31,699	2,186	990	270	3,446
1904.	748,567	36,723	12,189	41,798	10,644	873	30,267	557	110	30,934	2,158	1,114	297	3,569
1905.	778,834	37,280	12,299	43,956	11,758	1,170	29,784	486	129	30,399	4,490	830	359	5,679
1906.	808,618	37,766	12,428	48,446	12,588	1,529	31,181	625	159	31,965	10,568	709	656	11,933
1907.	839,799	38,391	12,587	59,014	13,297	1,874	35,880	589	151	36,620	7,878	667	315	8,860
1908.	875,679	38,980	12,738	66,892	13,964	2,189	32,757	757	168	33,682	5,191	618	220	6,029
1909.	908,436	39,737	12,906	72,083	14,582	2,409	36,574	687	160	37,421	4,184	492	148	4,824
1910.	945,010	40,424	13,066	76,267	15,074	2,557	35,168	639	123	35,930	4,239	370	120	4,729
1911.	980,178	41,063	13,189	80,506	15,444	2,677	32,917	1,010	157	34,084	4,205	659	248	5,112
1912.	1,013,095	42,073	13,346	84,711	16,103	2,925	36,231	1,342	158	37,731	5,020	633	243	5,896
1913.	1,049,326	43,415	13,504	89,731	16,736	3,168	33,941	1,683	164	35,788	5,065	708	290	6,063

¹ Registration of labels practically suspended May 27, 1891, under decision of the United States Supreme Court in *Higgins et al. v. Keuffel et al.* (55 O. G., 1139) with the registration No. 6,545, June 14, 1892. Resumed June 9, 1896, with the registration of No. 6,546.

Expenditures for photolithographic and photographic work since 1908-9.

Fiscal year.	Contractor.	Price per page.				Total.
		Current issue.	Reproduction of exhausted copies.	Library edition.	Photographic copies.	
1908-1909	Norris Peters Co.	{ 1 \$0.71½ 2 .57½				\$140,000.00
	Sackett & Wilhelms Co.		Spec. 3 \$0.42½ 4 .53 5 .43½ 6 .55			
	Columbia Planograph Co.			5 \$0.98		
	F. W. Ernst.				6 \$0.12	
	C. Parker.				7 .16	
1909-1910	A. B. Graham Co.	1.74				140,000.00
	A. B. Graham Co.			6 1.00		
	Norris Peters Co.	2.61				
	Sackett & Wilhelms Co.		{ 3 .44½ 4 .57			
	F. W. Ernst.				8 .12	
	Leet Brothers.				9 .15	

Expenditures for photolithographic and photographic work since 1908-9—Continued.

Fiscal year.	Contractor.	Price per page.				Total
		Current issue.	Reproduction of exhausted copies.	Library edition.	Photographic copies.	
1910-1911	Norris Peters Co.	¹ \$0.79				\$140,000.00
	Webb & Bocorselski.	² .52				
	Sackett & Wilhelms Co.		³ \$0.49 ⁴ .58			
	Sackett & Wilhelms Co.			⁵ \$0.95		
	Leet Bros.				⁶ \$0.11 ⁷ .11 ⁸	
1911-1912	Columbia Planograph Co.	¹ .73 ¹⁰ .50				140,000.00
	Sackett & Wilhelms Co.		³ .50 ⁴ .60			
	Sackett & Wilhelms Co.			⁵ .89		
	F. W. Ernst.				⁶ .09 ⁷ .10 ⁸	
1912-1913	Columbia Planograph Co.	¹ .63 ² .50				140,000.00
	Sackett & Wilhelms Co.		³ .52 ⁴ .60			
	F. W. Ernst.				⁶ .09 ⁷ .10	
	Columbia Planograph Co.	¹ .57 ¹¹ .48				
1913-14	Sackett & Wilhelms Co.		³ .57 ⁴ .47			140,000.00
	Leet Bros.				⁶ .078 ⁷ .078	

¹ For 100 thin, 2 thick, and 1 bond copies.

² For 50 thin, 2 thick, and 1 bond copies of trade-marks and designs.

³ For 50 copies each, mechanical and design patents and trade-marks.

⁴ For 100 copies each, mechanical and design patents and trade marks.

⁵ For 150 copies.

⁶ Size, 7 x 11 in.

⁷ Size, 10 x 15 in.

⁸ Size, 8 x 12½ in.

⁹ Estimated.

¹⁰ Designs.

Number of patents issued by the United States and foreign countries from the earliest period to December 31, 1913.

[Foreign figures for 1913 estimated.]

Country.	To 1870, inclusive.	1871 to 1913.	Total.	Country.	To 1870, inclusive.	1871 to 1913.	Total.
Argentina.....	83	12,411	12,494	Luxemburg.....		10,298	10,298
Australia.....		13,544	13,544	Malta.....		102	102
Austria.....		79,951	79,951	Mauritius.....	113	306	419
Austria-Hungary.....	15,350	67,583	82,933	Mexico.....	22	13,199	13,221
Bahamas.....		2	2	Netherlands.....	4,535		4,535
Barbados.....		151	151	Newfoundland.....	40	461	501
Belgium.....	35,044	235,079	270,123	New South Wales.....	236	11,740	11,976
Bolivia.....	42	65	107	New Zealand.....	109	15,849	15,958
Brazil.....	185	8,373	8,558	Norway.....	737	25,026	25,763
British Guiana.....	32	94	126	Paraguay.....		99	99
British Honduras.....	1	19	20	Peru.....		160	160
Canada.....	4,081	151,952	156,033	Portugal.....	245	8,110	8,355
Ceylon.....	58	789	847	Queensland.....	67	6,368	6,435
Chile.....	266	2,481	2,747	Russia.....	1,464	30,697	32,161
Colombia.....		1,057	1,057	St. Helena.....		4	4
Congo Free State.....		274	274	South African Republics.....		1,262	1,262
Costa Rica.....		70	70	South Australia.....	123	6,221	6,344
Cuba.....		1,805	1,805	Spain.....		51,980	51,980
Denmark.....	464	25,245	25,709	Straits Settlements.....		331	331
Ecuador.....		10	10	Sweden.....	1,629	37,828	39,457
Fiji Islands.....		47	47	Switzerland.....		63,878	63,878
Finland.....	112	4,734	4,846	Tasmania.....	43	2,426	2,469
France.....	103,934	382,786	486,720	Transvaal.....		3,664	3,664
Germany.....	9,996	276,576	286,572	Trinidad.....	6	246	252
Great Britain.....	53,408	420,419	473,827	Tunis.....		1,021	1,021
Guatemala.....		57	57	Turkey.....		2,460	2,460
Hawaii.....		148	148	Uruguay.....		440	440
Hongkong.....		227	227	Venezuela.....		272	272
Hungary.....		57,796	57,796	Victoria.....	822	12,463	13,285
India.....	445	12,578	13,023	West Australia.....		3,524	3,524
Italy and Sardinia.....	4,723	125,438	130,161	Total foreign.....	238,437	2,217,373	2,455,810
Jamaica.....	22	243	265	United States.....	120,573	972,650	1,093,223
Japan.....		24,904	24,904	Grand total.....	359,010	3,190,023	3,549,033
Leeward Islands.....		28	28				
Liberia.....		2	2				

¹ Including 9,957 patents issued prior to July 1, 1836.

The following comparison between the receipts, expenditures, applications filed, issues of the Office, the printed copies sold, copies of records furnished, and the number of employees for the years ended, respectively, December 31, 1899, and December 31, 1913, illustrates the growth of the business of the Patent Office:

	1899	1913.	Increase.	Percentage of increase.
Receipts.....	\$1,325,457.03	\$2,084,417.79	\$758,960.76	57.2
Expenditures.....	\$1,211,783.73	\$1,947,383.28	\$735,599.55	60.7
Applications (including caveats in 1899).....	45,990	79,129	33,139	72.0
Letters patent, design and reissue patents granted, and trade-marks, labels, and prints registered.....	27,787	41,851	14,064	50.6
Printed copies of patents sold.....	1,451,519	12,556,178	1,104,659	76.0
Price received.....	\$50,201.11	\$118,043.35	\$67,842.24	135.1
Words written in copies of records furnished.....	13,575,650	27,205,800	13,630,150	100.4
Number of employees.....	663	939	276	41.6

¹Including 195,311 furnished for official use.

In 1913 there were received 68,117 applications for mechanical patents, 2,060 applications for design patents, 190 applications for reissues of patents, 7,369 applications for registration of trade-marks, 1,002 applications for registration of labels, and 391 applications for registration of prints. There were 35,624 patents issued, including designs, 164 patents reissued, and 5,065 trade-marks, 708 labels, and 290 prints registered. The number of patents that expired was 21,867. The number of allowed applications awaiting the payment of final fees was 13,567, and the number forfeited for non-payment of the final fees 7,716. The total receipts were \$2,084,417.79, the expenditures \$1,947,383.28, and the surplus of receipts over expenditures \$137,034.51. The total balance to the credit of the Patent Office in the Treasury of the United States on December 31, 1913, was \$7,297,052.46.

In proportion to population more patents were issued to citizens of Connecticut than to those of any other State—1 to every 1,152. Next in order are the following: District of Columbia, 1 to every 1,374; California, 1 to every 1,425; New Jersey, 1 to every 1,576; New York, 1 to every 1,716; Illinois, 1 to every 1,746; Colorado, 1 to every 1,832; Massachusetts, 1 to every 1,861; Nevada, 1 to every 1,949; Rhode Island, 1 to every 2,002; Washington, 1 to every 2,159; Ohio, 1 to every 2,271; Pennsylvania, 1 to every 2,485; Oregon, 1 to every 2,649; Montana, 1 to every 2,849; Arizona, 1 to every 2,878; Michigan, 1 to every 2,900; Idaho, 1 to every 3,043; Wisconsin, 1 to every 3,059; Utah, 1 to every 3,086; Missouri, 1 to every 3,207; Minnesota, 1 to every 3,542; Iowa, 1 to every 3,671; Wyoming, 1 to every 3,743; Indiana, 1 to every 3,788; Maryland, 1 to every 4,083; Kansas, 1 to every 4,124; Nebraska, 1 to every 4,351; New Hampshire, 1 to every 4,394; North Dakota, 1 to every 4,405; South Dakota, 1 to every 4,709; Delaware, 1 to every 5,058; Florida, 1 to every 5,702; West Virginia, 1 to every 6,075; Vermont, 1 to every 6,137; New Mexico, 1 to every 6,296; Oklahoma, 1 to every 6,301; Texas, 1 to every 6,505; Maine, 1 to every 6,570; Virginia, 1 to every 7,109; Hawaii, 1 to every 9,138; Louisiana, 1 to every 9,686. The fewest patents granted in proportion to the number of inhabitants were in the following States and Territories: Philippine Islands, 1 to every 763,543; Porto Rico, 1 to every 229,006; South Carolina, 1 to every 24,514; Missis-

siippi, 1 to every 19,118; North Carolina, 1 to every 13,704; Alabama, 1 to every 11,313; Arkansas, 1 to every 11,166; Georgia, 1 to every 10,963; Alaska, 1 to every 10,726; Tennessee, 1 to every 10,404, and Kentucky, 1 to every 10,043.

As to foreign patents, 1,433 were granted to citizens of Germany; 908 to those of England; 557 to those of Canada; 340 to those of France; 168 to those of Austria-Hungary; 131 to those of Switzerland; 87 to those of Sweden; 63 to those of Scotland; 55 to those of Italy; 54 to those of Belgium; 48 to those of Russia; 45 to those of New Zealand; 41 to those of Victoria; 31 each to those of Mexico and Norway; 28 to those of Denmark; 27 to those of New South Wales; 21 to those of Cuba; 20 to those of the Netherlands; 19 to those of Japan; 17 to those of Ireland; 11 to those of Transvaal; 10 to those of Wales; 8 to those of Argentina; 6 each to those of Brazil, India, and Queensland; 5 each to those of South Australia, Spain, and Venezuela; 3 each to those of Guatemala and West Australia; 2 each to those of Newfoundland, Portugal, and Roumania, and 1 each to those of British Indies, Cape Colony, Ceylon, Chile, China, Danish East Indies, Dominican Republic, Dutch East Indies, Egypt, Ecuador, Isle of Jersey, Java, Panama, and Uruguay.

OTHER DETAILS OF BUSINESS.

The total receipts of the Office for the year aggregated \$2,084,417.79. Of this amount \$1,179,868.91 represents fees received by mail and express, the remainder having been paid by hand to the financial clerk. During the year 194,101 amendments were filed. The number of letters constituting the general correspondence of the Office, indexed and filed, was 249,021. In addition to this 42,355 letters of inquiry were returned with circulars of information answering the questions propounded.

In the work of the Drafting Division 1,063 drawings were made for inventors, who paid \$4,100 therefor; 5,660 drawings already filed were corrected, for which the Office received \$5,762, and 22 tracings were made, at a cost of \$23, a total of \$9,885.50 having been received as fees for the work of the Drafting Division. In addition to this drawings to the value of \$175.50 were made on account of the Office, and 2,388 drawings were corrected without charge to the inventors.

In the Assignment Division 30,288 deeds, con-

taining 13,677,500 words, transferring title to patents, etc., were recorded for which the Office made a charge of \$49,097.90. The number of deeds recorded in the year 1913 was larger by 1,772 than the number recorded in the year preceding. For preparing 1,619 abstracts and 3,825 briefs relating to title the Office received \$2,287.10. The total earnings of the Assignment Division for the year were \$51,385. The fees paid into the Office during the year on account of assignments amounted to \$32,813.90, and the difference between this amount and the total earnings in this branch of the work was charged to miscellaneous deposit accounts which are entered under the general head of "Moneys received for copies."

Type-written copies of records embodying 27,205,800 words, were furnished, and for this work the Office received \$27,205.80. For the certificates attached to a part of these copies the Office received \$1,257.35. In 1904 the Office furnished type-written copies of records embodying 20,949,250 words, for which \$20,949.25 was paid, an increase of 29.8 per cent. in the output in ten years. Inventors and attorneys were furnished with 52,404 photographic prints of drawings, at fifteen cents each, and 7,104 photographic prints of larger size, at twenty-five cents each. During the early part of the year a photostat copying-machine was installed, at a cost of \$2,327.96, and in the few months of its operation has more than paid for the cost of installation.

About five years ago the work of printing the specifications of patents numbered below 32,000 was undertaken, and at this time all patents above 1,670 have been printed. In the near future the Office will be able to furnish a printed copy of the specification and drawing of all patents, commencing with No. 1, issued July 28, 1836.

SURPLUS.

The excess of receipts over expenditures during the calendar year ending December 31, 1913, will be found by the detailed report to amount to \$137,034.51. The surplus will probably be still larger during the coming year.

There is also an accumulated surplus of \$7,297,052.46, as shown by the receipts and expenditures of the Office since it was organized. In addition to this there are 50,000,000 patent copies, constituting the working sets and copies for sale of all patents heretofore issued. These have been paid for out of the receipts of the Office and therefore represent an asset in addition to the surplus. They sell to the number of about eight thousand per day, at five cents each, the total sales for the past year being 2,340,867. The receipts amounted to \$118,043.35.

They therefore represent an investment beyond the surplus above indicated, having a value of nearly two and one-half million dollars, so that the actual surplus of this Office is close to ten million dollars.

CONDITIONS IN THE OFFICE BUILDING.

The crowded condition existing in this Office, which has frequently been called to the attention

of Congress, is steadily growing worse. The patent copies kept for sale, to the number of about forty-seven million, are scattered all over the Office. This fact increases enormously the difficulty of getting them. Moreover, as they are stacked upon wooden shelves and are exposed, the danger of fire is very serious.

Plans were heretofore prepared and laid before Congress, on the basis of which an appropriation of \$220,000 was granted to build a two-story structure in the court. This, in the opinion of the Secretary of the Interior and the officers of this Bureau, would greatly impair the rooms opening on the court. No steps have been taken to carry out these plans. New plans have been prepared providing for a two-story structure under the present level of the court, practically fireproof. It is estimated that there will be room therein to store all the patent copies now kept for sale in the Office and all accumulations for the next fifteen years, and also that there will be storage-room for such records as could not be replaced if destroyed. This structure could be built and equipped sufficiently for our present uses for the sum heretofore appropriated. The Congress is asked to grant authority to use the appropriation in accordance with these new plans. This structure will greatly relieve the congested condition in the Office.

PERSONNEL.

The examining corps in the Patent Office is composed of two Law Examiners, forty-three Principal or Primary Examiners, and three hundred and thirty-four Assistant Examiners, of whom sixty-three are paid \$2,400 a year, seventy-three are paid \$2,100 a year, eighty-eight are paid \$1,800 a year, and one hundred and ten are paid \$1,500 a year. It will be noted that there are more Assistant Examiners receiving only \$1,500 a year than the sum-total of the Law Examiners, the Primary Examiners, and those Assistant Examiners receiving \$2,400 a year. This disproportion of the number in the lower grades to those in the higher grades slows down promotions. This has contributed materially to induce ambitious young men to leave the Office after they have been admitted to the bar.

It is urged that the examining force be reorganized in the following particulars:

1. By restoring the grades of First, Second, Third, and Fourth Assistant Examiners; and
2. By increasing the number in the higher grades and reducing the number in the lower grades, so as to make them equal.

The cost of such increase applied to the present force would be about twenty-three thousand dollars.

I have, however, asked Congress to make the number in each of the four grades eighty-six, which would increase the number of Assistant Examiners by ten, and would increase the pay-roll by about forty-two thousand dollars.

No increase in the number of examining divisions is recommended. While it is difficult for the Primary Examiners to oversee the work of more than six or seven Assistant Examiners, as must be done now in some of the larger divisions, the advantage

to be gained by reducing the number of Assistant Examiners in these large divisions must be balanced against and is believed to be outweighed by the inconvenience of increasing the number of divisions, with the consequent splitting up of the classes of invention among the different Primary Examiners. It is believed, however, that if the number of Primary Examiners were increased by about seven a large amount of needed supervisory work could be accomplished under the direction of the Commissioner. This supervisory work would be directed toward unifying the practice in the different divisions on matters of examination, interference, division, and the like, to the end that there may be a more speedy termination of the prosecution of applications and more certainty of arriving at a correct conclusion.

It may also be noted that in a large corps such as the examining corps of this Office it is highly important that different opportunities should be presented for the exercise of different kinds of ability. As the great work of the Office is done in the examining divisions, the grade of Primary Examiner should be taken as a standard; but some men are qualified to act as Examiners, while others would do better work in some supervisory capacity, and if it were permitted to enlarge the number of Primary Examiners, as above indicated, the value of the services of the Primary Examiners would, it is believed, be increased.

There should also be an increase of two members of the Board of Examiners-in-Chief. At present the Board consists of three members, two of whom constitute a quorum. The increase is necessary for three reasons:

1. The number of cases appealed is so large that there is more work than three men can properly dispose of.

2. Where, because of the necessary absence of one member, an appeal is heard by two members, in the event of a divided Board it is the uniform practice to set down cases for rehearing before the full Board. This increases the work of the Office and the cost to the applicant. With five Examiners-in-Chief, three of whom constituted a quorum, this difficulty would be obviated.

3. The enforced absence of two members of the Board at the same time suspends the work of the Board. In the event of a serious and protracted illness this might result in great inconvenience. Moreover, as the members of the Board are appointed by the President, by and with the advice and consent of the Senate, the work of the Board might be crippled for a long period of time in the case of a death occurring while Congress was not in session.

It is believed that there is work enough for five men; but under the statute the Examiners-in-Chief, besides hearing appeals, are required to perform such other like duties as the Commissioner may assign them, so that in the event that there should not be enough appellate work to occupy the entire time of the five members other work of a supervisory character could be assigned to them by the Commissioner.

It is believed that it would be desirable to give the right of appointment of the Examiners-in-Chief, as well as of the Assistant Commissioners, to the President alone, instead of, as now, requiring confirmation by the Senate.

SCIENTIFIC LIBRARY.

Our valuable library is in present need of reorganization and enlargement. The collection of books, periodicals, and foreign patents is of the utmost value to the examining corps, inventors, manufacturers, and attorneys interested in investigating the novelty of inventions, but the material is not and never has been in condition for ready reference. Much of it is practically unavailable. I have started the work of reclassifying and indexing, with a view to meeting more nearly the peculiar needs of those who use the library. This library of about seventy-five thousand volumes of scientific works and about two million foreign patents, used, as it is, by people who are doing work which is almost identical with that of the examining corps, requires a librarian of special training and ability. General library training alone is not sufficient to enable one to understand the problems upon which those who use the library are working. The librarian should not only know library methods, but he should be trained in the art of searching. It is difficult to find any one with the necessary qualifications for the \$2,000 salary now provided by law. I believe, however, that by assigning a member of the examining corps and giving him opportunity of instruction of library methods in the Library of Congress the best results obtainable can be secured.

To this end I should be given authority to detail members of the examining corps for a short time to the Library of Congress for special instruction in library work.

Moreover, as it is difficult to induce members of the examining corps who might be interested in library work to forego chance of advancement, the salary of the librarian should be increased to that of a Principal Examiner and the salary of the assistant librarians should be made to conform to those of Assistant Examiners in the different grades.

I greatly appreciate the aid rendered to this Office by the Librarian of Congress and his chief classifier looking to the reorganization of our library.

CHANGES IN THE OFFICIAL GAZETTE.

It has been suggested that instead of publishing in the OFFICIAL GAZETTE selected claims, as is now the practice, there should be published a brief digest of the patents. These digests would be valuable to the examining corps and aids in searching. It would be necessary, however, to employ a corps of digesters large enough and highly trained enough to digest intelligently more than a hundred patents a day. The expense of this work would be largely, if not entirely, saved by the decrease in the cost of printing, since the digests would not be as extensive as the claims now printed. But the changes sug-

gested, if deemed advisable, could not be put into effect without legislation providing for the necessary increase in the force.

CONDITION OF THE WORK IN THE OFFICE.

On February 1 of last year, of the applications pending in the Office, there were 26,195 which were awaiting official action. At the present time, January 31, 1914, there are 28,437 cases awaiting official action, showing that the Office has fallen behind about two thousand two hundred applications. During the week when the examinations for promotions were held there was a loss of 2,583 cases. As there are about two hundred and eighty thousand actions required in all cases pending each year, it will be seen that the loss in the number of applications during the examination-week was about one-half of a week's work. This loss can probably be avoided in the future, and if there should be no increase in the number of applications filed the force can care for the current business as well as it is doing the work at the present time.

The more serious problem, however, is to bring the work of the Office up to date, so that there shall be no unreasonable delay in passing upon an application after it has been filed. At present there are awaiting action as many new applications as are filed in two months and as many old applications as are amended in one month.

The number of applications awaiting action in the different divisions is very different, and the time required to reach an application for action in different classes is very different. Generally speaking, those classes in which there is greatest activity are those in which there is the greatest delay, and, it may be added, delays in such cases are of special hardship. Such delays can never be entirely avoided, because sudden developments of activity in different classes occur, and the work in those classes falls seriously behind before new men can learn the particular art sufficiently for proper examinations of the applications. We are endeavoring to make such improvement of conditions as is practicable with the present force. With the moderate increase in the force suggested heretofore conditions could be very greatly improved.

DELAYED APPLICATIONS.

I have caused an examination to be made in each of the examining divisions to ascertain the number of applications filed as much as fifteen years ago. Seventy-nine such applications have been reported as pending. This is considerably less than one in a thousand of all the applications now pending before the office. They have been prosecuted in accordance with the existing statutes, and it is not believed that any change of the statute which might be made to correct the evil of long delay in prosecution would destroy rights under any application now pending before the Office. It has therefore seemed that the only practical policy for correcting the existing evil is to bring pressure on the examining force and the applicants and their attorneys to have old cases prosecuted to allowance or abandonment. With this end in view I have issued an order that all cases

which have been pending before the Office for more than eight years shall be made special, and to the end that there may be a uniform ruling applied to all such cases I have directed that no amendment filed in any such application after June 1 of this year shall be entered without the approval of the Commissioner. I hope to be able to make it impossible for an applicant to prosecute his application by dilatory or time-consuming amendments by refusing to enter amendments which are not proper responses to Office actions and in appropriate cases holding the applications to be abandoned.

I am also considering the propriety and wisdom of making these old applications public. The statute contains no provision against it. There is, however, a rule of the Office, under which they have all been filed, which declares that the applications shall be preserved in secrecy. I shall make further report on this point in my next report.

Little advantage will result from getting rid of the old cases now pending if others are permitted to take their places. I believe that with proper administration it is possible to limit the time during which an application may be kept pending in the Office to less than five years, and perhaps to less than three years, without unduly reducing the applicant's right to consideration of his case. However, as there are many thousands of applications now pending in the Office which have been here over three years, I have not found it physically practicable to treat them at once and have therefore limited my order so far to those which have been in the Office over eight years.

Few applicants who keep their cases in the Office for many years deliberately are entitled to favorable consideration. It is believed that the consequence of the application of this conviction on the part of the Commissioner to the delayed cases will satisfy applicants of the wisdom of prosecuting their cases promptly. Every effort will be made to eliminate this evil of long-pending applications. If during the course of a year this has been substantially accomplished, it is believed that no legislation will be necessary to prevent the recurrence of the evil. Should my efforts, however, along this line prove to be ineffectual, I shall in my next report to Congress recommend appropriate corrective legislation.

In conclusion it may be stated that on an average applications are in the Office about two years, and in the vast majority of cases this length of time is sufficient for thorough consideration of the applicant's claims.

CLASSIFICATION.

The primary function of the Patent Office is to ascertain and apply properly to any application for a patent all existing patents and literature which have a legitimate bearing adverse to the claims presented. To do this with any degree of success, it is essential that the American and foreign patents and the literature of the various arts collected in the Scientific Library should be so classified and indexed as to enable the Examiners rapidly to find all existing patents and other publications bearing

upon the application being searched. The system of classification which grew up in the Office prior to 1898 has been found to be no longer adequate, and since that date a force of classifiers has been engaged in an attempt to work out a new and improved system of classification. Out of 1,085,000 United States patents, 517,000 have been assigned to their proper places under the new classification. It has been ascertained that each assistant in the Classification Division is able on an average to classify about two thousand patents a year. This means that with the present force it would require about sixteen years to complete the classification. It has been estimated that if the force should be doubled the classification could be completed in seven years. To complete the classification within three years would require an addition to the examining force of seventy-five men. This would involve an increase in the pay-roll of about one hundred and fifty thousand dollars for classifiers, besides the necessary clerical assistance, which would probably increase it \$40,000 more. When the work was once accomplished, however, it would immensely increase the value to the public of the work done by the Office. Meanwhile the delay in the completion of the classification work impairs the work of the Office to a serious extent.

During the ensuing year it is my intention to study the problem of completing the classification, with a view to laying before Congress in my next report a definite plan, with estimates of the necessary expense involved, and to urge that a sufficient appropriation be made to complete the work as expeditiously as the Office space and other facilities available make possible.

EXCHANGE OF PATENTS WITH CANADA.

Shortly after assuming the duties of the Commissioner of Patents my attention was directed by the chief of the Patent Office of Canada to an agreement between the Canadian and United States Patent Offices for the exchange of copies of patents. Under this agreement the exchange of these copies began in the early part of 1899 and continued until September of that year, when it was suspended by the United States Patent Office. Upon examination of the correspondence between the two Governments and from conversations with the Hon. J. W. Lynch, chief of the Canadian Patent Office, who came to Washington in September, 1913, for this purpose, I found that there was no sufficient reason for the termination of the agreement on the part of the United States Patent Office. I accordingly directed the resumption of the exchange of these copies of patents, beginning with the issue of October 7, 1913; but in view of the very large number of copies of patents that must be drawn from the stock on hand to fill in between September of 1899 and October 7, 1913, I hesitate to direct the supply of these missing copies without the specific approval of Congress.

In my judgment the contract between the two Governments is still binding, and the United States

Patent Office, as a matter of good faith, should be authorized to take immediate steps to fulfil its part under that contract. The Office has for many years regularly exchanged its patents with England, France, Germany, Switzerland, and other countries.

LEGISLATION.

(a) *Assignments.*

One of my predecessors, Commissioner Benton J. Hall, in his annual report to Congress for the year 1887, said:

Section 4898 provides that an assignment, grant, or conveyance shall be void as against any subsequent purchaser or mortgagee for a valuable consideration without notice unless such instrument be recorded in the Patent Office within three months from the date thereof. In my opinion, this requirement operates unjustly in providing that an assignment, if recorded after three months from the date thereof, shall have no effect as constructive notice to a subsequent purchaser or mortgagee for a valuable consideration. The provision in my judgment should be modified so as to declare that while the assignment should be valid without recording for the period of three months from and after its date, thereafter it should be void against any subsequent purchaser or mortgagee for a valuable consideration without notice, unless it be recorded in the Patent Office prior to the date of such subsequent purchase or mortgage, so that should the assignee fail through forgetfulness or accident to file his instrument or assignment within three months he might still file it for record at a subsequent period, and it should then give constructive notice from the date of its actual filing.

I concur in the views expressed here and the suggested amendment to the law to carry it into effect.

Under section 4934 of the Revised Statutes, originally enacted in 1870, the maximum fee for recording each "assignment, agreement, power of attorney, or other paper" was three dollars. Assignments have been and are now being received and recorded weekly that embody hundreds of patents and thousands of words. Recently, for example, there were recorded eight writings, three of which contained 966 patents, applications, and trademarks, and the legal fees for recording the eight writings were thirty dollars, under the Revised Statute mentioned, as amended May 27, 1908. The actual time occupied by the clerical force in verifying and supplying missing data of these patents, digesting, indexing, recording, and comparing, was 172 hours, equivalent to the time of one clerk for twenty-four and four-sevenths days. At a minimum fee of fifty cents per hour, legally chargeable for this class of work, the cost to the Office for recording these writings was eighty-six dollars, nearly three times the amount paid therefor.

In addition to the number of words in writing presented for record a nominal fee for each additional patent, application, design, trade-mark, or invention enumerated therein should, in my judgment, be charged. It is therefore suggested that twenty-five cents be charged for each of said additional items. I may add that this recommendation was included in the report to Congress of the investigation of the United States Patent Office by the President's Commission on Economy and Efficiency in December, 1912, and reference is made therein to this matter on pages 185-196.

It is therefore recommended that section 4934 be suitably amended to provide for this change in fees. A proper amendment will be submitted at an early date for consideration of Congress.

(b) Assignees' index.

In 1870 a special appropriation was made by Congress for the purpose of indexing all prior recorded deeds, assignments, etc., under the name of the inventor, and all assignments recorded since that date have been so indexed. Under this law, pursuant to the records established thereby, it is necessary to know at least the name of the applicant or inventor to make the necessary search to run down a chain of title. Experience has shown that it is frequently necessary or desired by attorneys, inventors, and the general public to ascertain what patents are owned by a particular individual, firm, or corporation.

There is no authentic manner at present in which such search can be made except in each of the volumes wherein are recorded assignments and the data of the application, where they are indexed from assignor to assignee. It is therefore very desirable that a consolidated assignees' index be established and kept up to date in the Patent Office for this purpose. Requests are frequently made for such an authentic, verified, and checked index from which a reliable search may be made to ascertain what patents are owned by given corporations, firms, or individuals. To perform this service it is believed that three more index clerks will be required in addition to those now employed in the Assignment Division, and for the indexing covering the past seventeen years five or six additional clerks will probably be needed to bring up its arrearage within a reasonable time.

I will therefore submit at an early date to Congress a request for authority to establish this index and a request for additional clerks for this purpose.

(c) Clerks of courts to file decrees.

I would also suggest that the law be amended to require the clerks of the Federal courts to file in this Office a copy of every decree granting or refusing an injunction in a suit for infringement of a patent and every final decree affecting the validity of a patent.

If such copies were filed in this Office and placed in the file of the patent, it would enable any one to determine the litigation in which this patent had been involved—a thing which is now practically impossible, since many of the decisions of the lower courts are not published.

(d) Antitrust statute.

The applicability of a general antitrust statute to patents has been established by recent decisions of the Supreme Court of the United States. Doubtless any further antitrust legislation would be applied by the Court in the same manner.

As the effect of the proposed general antitrust legislation upon the patent system can only be surmised after the legislation has been worked out in detail and the bills now pending before the Congress are undergoing discussion and amendment, it is thought that any discussion of the subject in this report would be premature. It will therefore be left for discussion before the appropriate committees.

(e) Protection of designs.

The present method of protecting designs is cumbersome and so costly that designers make little use of it. The problems of a court in passing upon the validity and infringement of design patents are so simple, generally speaking, as not to require the assistance of expert opinion. Little or nothing, therefore, is gained by examination prior to the granting of a patent. It is recommended that protection of designs be put upon a registration basis and the fees be greatly reduced.

(f) Witnesses to applications.

Section 4888 of the Revised Statutes, requiring that the signature of the inventor to the specification and claims be attested by two witnesses, and section 4889 of the Revised Statutes, requiring that the signature of the inventor or his attorney in fact to the drawing be attested by two witnesses, involve this Office in a great deal of work, and frequently the omission of the signature of a witness postpones the filing date of an application for patent. In many other cases it necessitates the filing of substitute specifications, properly witnessed, and this imposes upon the Office the entirely unnecessary work of carefully comparing the substitute specification with the original, to guard against errors and omissions, as well as departures from the original disclosure.

In some cases the return of a drawing for the addition of the signature of a witness has resulted in the loss of the drawing and sometimes in the mutilation thereof to such a degree as to necessitate a new drawing. Yet, as far as I can ascertain upon inquiry, no witness has ever been called into court to verify his signature.

The oath can readily be amended to contain an acknowledgment of the signature to the specification. This seems to me to be sufficient, and I suggest an amendment to the sections of law referred to omitting the requirement as to witnesses to signatures.

(g) Subpœna duces tecum.

The present statute does not provide for *subpœna duces tecum* in interference cases. This remedy should be provided by amending section 4906 of the Revised Statutes by adding thereto the statement that the provisions of section 869 of the Revised Statutes with relation to the issuance of a *subpœna duces tecum* shall apply to contested cases in the Patent Office.

(h) Protection of exhibitors at the Panama-Pacific International Exposition.

An act has been passed by Congress for the protection of exhibitors at San Francisco which, it seems to me, is open to the following serious objections:

1. That because the basis of the right to protection is not limited to inventions or discoveries or the works of an author, but the right is made dependent merely upon the exhibitor being the proprietor of a foreign patent or registration, the provisions of the act purporting to grant protection in the nature of a copyright or patent are void, as they do not fall within the grant of power to Congress to promote

science and the useful arts by granting to authors and inventors for a limited period the exclusive right to their writings, inventions, or discoveries.

2. Because the trade-mark provisions of the act are not in any way limited as to the character of the trade to which they are applicable this part of the act is void as not within the grant of power to Congress to regulate interstate and foreign commerce. It is urged that the title and the essential nature of the bill limit it to foreign commerce. I think the point at least very doubtful.

3. Because inventions of utility embracing arts, machines, and other complex subjects-matter are made the basis of grants, which should have been, in the interest of the public, limited to patterns, designs, models, and manufactured articles embodying the patterns and designs. The ordinary patent litigation is sufficiently difficult and complicated. Any litigation where intricate inventions may be involved and where a fundamental question is whether a certain exhibit is protected by foreign patents will exceed in complexity and difficulty anything with which we have ever had experience.

4. Together with the creation of these new and

ill-defined rights, penalties, heretofore unknown in the patent system, of the severest character have been provided, while, on the other hand, the defenses that might be urged are entirely left to conjecture.

5. Finally, the protection which all exhibitors will desire against suits for infringement based upon exhibition at the exposition, such as was provided for at the St. Louis and Chicago expositions, has been omitted.

It is believed that this act should be modified by limiting it to designs and articles embodying designs or patents protected abroad and by adding the provision against suits for infringement based upon exhibits.

Attention is called to the fact that an appropriation will be necessary to cover the expense of administering the act. It has not been possible to determine the amount which will be needed, and some time will probably elapse before this can be properly estimated.

Respectfully submitted.

THOMAS EWING,
Commissioner.

ALPHABETICAL LIST

OF

PATENTEES FOR THE YEAR 1913.

[Patentees of Designs, Trade-Marks, Labels, and Prints, and parties who have filed Disclaimers follow this in separate indexes, but precede the Alphabetical List of Inventions.]

[Abbreviations: "Gaz."=Official Gazette.]

- A. Emack Company. (See Emack, Albert, assignor.)
A. Geo. Schulz Co. (See Graffenberger, Friedrich, assignor.)
A. Horch & Cie., Motorwagenwerke, Aktiengesellschaft. (See Escher, Bernhard, assignor.)
A. Kimball Company. (See Marsh and Wallin, assignors.)
A. Kimball Company. (See Wallin, Gustaf A., assignor.)
A. Schrader's Son. (See Schweinert and Kraft, assignors.)
A. Schrader's Son. (See Tisne, Marcel H., assignor.)
A. Ziegler & Sons Company. (See Ziegler, Alfred M., assignor.)
A. B. Dick Company. (See Brasseur, Ernest J., assignor.)
A. B. Dick Company. (See Dick, Albert B., assignor.)
A. B. Farquhar Company. (See Eisenhart and Darden, assignors.)
A. B. Hendryx Co., The (See Oliver, Thomas B., assignor.)
A. B. Stove Company. (See Alexander and Berry, assignors.)
A. C. Clark & Company. (See Clark, Albert C., assignor.)
A. E. Cartier Sons Co. (See Frederick, Edward J., assignor.)
A. F. Meisselbach & Brother. (See Catucci, Pliny, assignor.)
A. G. Eyles Chair Company. (See Eyles, Anton G., assignor.)
A. G. Perry Plow Company. (See Poe, Albert S., assignor.)
A. G. Spalding & Bros. (See King, Charles M., assignor.)
A. G. Spalding & Bros. (See Saunders, Addison T., assignor.)
A. G. Spalding & Bros. (See Welch, Robert L., assignor.)
A. H. & F. H. Lippincott. (See Lippincott, Fisher H., assignor.)
A. J. Ellis, Inc. (See Ellis, Alfred J., assignor.)
A. J. Lindemann & Hoverson Co. (See Caven, Trevor M., assignor.)
A. N. Ames Knitting Machine Co. (See Ames, Arthur N., assignor.)
A. R. Mosler & Co. (See Mosler, Arthur R., assignor.)
A-Z Company, The. (See De Fevre and Woodbridge, assignors.)
Aaberg, Marie D., Lawton, N. D. Envelop. No. 1,057,910; Apr. 1; Gaz. vol. 189; p. 176.
Aagaard, Anton, Everett, Wash. Non-slipping heel. No. 1,069,839; Aug. 12; Gaz. vol. 193; p. 289.
Aalborg, Christian, Wilkinsburg, Pa., assignor to Westinghouse Electric and Manufacturing Company. Electric-line structure. No. 1,055,691; Mar. 11; Gaz. vol. 188; p. 384.
Aalborg, Christian, Wilkinsburg, assignor, by mesne assignments, to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Electrical switch. No. 1,070,935; Aug. 19; Gaz. vol. 193; p. 700.
Aalborg, Christian, Wilkinsburg, Pa., assignor to Westinghouse Electric and Manufacturing Company. Interlocking device. No. 1,070,936; Aug. 19; Gaz. vol. 193; p. 701.
Aanstoots, Theodore J. P., assignor of one-half to M. L. Severson, Passaic, N. J. Protractor. No. 1,058,512; Apr. 8; Gaz. vol. 189; p. 429.
Aaron, Mabel, Stockton, Cal. Attachment for typewriters. No. 1,081,185; Dec. 9; Gaz. vol. 197; p. 466.
Aaron, Solomon E., Charlestown, Mass. Lifting-jack for cars. No. 1,062,871; May 27; Gaz. vol. 190; p. 897.
Aase, John O., Turtle Lake, Wis. Potato-digger. No. 1,070,384; Aug. 19; Gaz. vol. 193; p. 517.
Abady, Jacques. (See Simmance and Abady.)
Abate, Alfonso. (See Falato and Abate.)
Abbe Engineering Company. (See Russ, Beach, and Kleinfeldt, assignors.)
Abbe, George C., Lansdowne, assignor to The Baldwin Locomotive Works, Philadelphia, Pa. Locomotive-frame. No. 1,060,396; Apr. 29; Gaz. vol. 189; p. 1189.
Abbe, George C., Lansdowne, assignor to The Baldwin Locomotive Works, Philadelphia, Pa. Equalizing system for cars. No. 1,060,397; Apr. 29; Gaz. vol. 189; p. 1189.
Abbenzeller, Alfred D., Randolph, assignor to Brockton Mowing Machine Cutter Bar Company, Brockton, Mass. Cutter-bar for mowing-machines. No. 1,081,078; Dec. 9; Gaz. vol. 197; p. 429.
Abbey & Imbrie. (See Meyer, August H., assignor.)
Abbey, Martin C. (See Ackley and Abbey.)
Abbot, Leonidas L., Little Rock, Ark. Vehicle-spring. No. 1,062,872; May 27; Gaz. vol. 190; p. 898.
Abbott, Ambrose E., Los Angeles, Cal. Folding and disappearing bed and movement therefor. No. 1,081,186; Dec. 9; Gaz. vol. 197; p. 466.
Abbott, Charles C., assignor to Triumph Voting Machine Company, Pittsfield, Mass. Multi-indorsement-restricting device for voting-machines. No. 1,054,074; Feb. 25; Gaz. vol. 187; p. 874.
Abbott, Charles C., assignor to Triumph Voting Machine Company, Pittsfield, Mass. Multi-indorsement mechanism. No. 1,054,075; Feb. 25; Gaz. vol. 187; p. 875.
Abbott, Charles C., assignor to Triumph Voting Machine Company, Pittsfield, Mass. Operating-lever lock for voting-machines. No. 1,059,808; Apr. 22; Gaz. vol. 189; p. 945.
Abbott, Charles C., assignor to Triumph Voting Machine Company, Pittsfield, Mass. Resetting-tool for counters. No. 1,068,091; July 22; Gaz. vol. 192; p. 849.
Abbott, Charles C., assignor to Triumph Voting Machine Company, Pittsfield, Mass. Voting mechanism for voting-machines. No. 1,081,288; Dec. 16; Gaz. vol. 197; p. 539.
Abbott, Charles C., assignor to Triumph Voting Machine Company, Pittsfield, Mass. Counter-carrier for voting-machines. No. 1,082,061; Dec. 23; Gaz. vol. 197; p. 827.
Abbott, Chauncey W., Auburn, N. Y., assignor to National Metal Molding Company. Joint for electrical conduits. No. 1,065,492; June 24; Gaz. vol. 191; p. 894.
Abbott, Chauncey W., Auburn, N. Y., assignor to National Metal Molding Company, Pittsburgh, Pa. Circuit-extension box. No. 1,065,493; June 24; Gaz. vol. 191; p. 894.
Abbott Coin Counter Company. (See Bisland, Pressley E., assignor.)
Abbott Coin Counter Company. (See Smith, Herbert K., assignor.)
Abbott, Edward J., Mission Junction, British Columbia, Canada. Stamp-affixing and envelop-sealing machine. No. 1,055,692; Mar. 11; Gaz. vol. 188; p. 384.
Abbott, Edward J., and W. B. Hopkins, Wilton, N. H. Lubricator. No. 1,068,199; July 22; Gaz. vol. 192; p. 887.
Abbott, Everett, Owensboro, Ky. Shade-roller bracket. No. 1,051,476; Jan. 28; Gaz. vol. 186; p. 838.

Alphabetical list of patentees—Continued.

- Abbott, Franklin E., Buffalo, N. Y. Combined railway-rail and rail-base plate. (Reissue.) No. 13,637; Nov. 4; Gaz. vol. 196; p. 250.
- Abbott, Henry, assignor to Calculagraph Company, New York, N. Y. Time-printing mechanism. (Reissue.) No. 13,597; July 22; Gaz. vol. 192; p. 957.
- Abbott, James H., Philadelphia, Pa. Mount for tubular devices. No. 1,054,160; Feb. 25; Gaz. vol. 187; p. 904.
- Abbott, James H., Philadelphia, Pa. Brush-blank. No. 1,054,161; Feb. 25; Gaz. vol. 187; p. 905.
- Abbott, James H., Philadelphia, Pa. Dental tool-guard. No. 1,067,571; July 15; Gaz. vol. 192; p. 640.
- Abbott, James H., Philadelphia, Pa. Mouth-prop. No. 1,067,572; July 15; Gaz. vol. 192; p. 640.
- Abbott, James H., Philadelphia, Pa. Knife-sharpener. No. 1,077,249; Nov. 4; Gaz. vol. 196; p. 3.
- Abbott, James W., Ingalls, Kans. Valve. No. 1,074,484; Sept. 30; Gaz. vol. 194; p. 1083.
- Abbott, Locksley W., Delaware, Ohio. Metallic railway-tie. No. 1,054,660; Mar. 4; Gaz. vol. 188; p. 3.
- Abbott, Ransloe B., Harrisburg, Pa. Insulated rail-joint. No. 1,075,278; Oct. 7; Gaz. vol. 195; p. 240.
- Abbott, Reuben, Lawrence, Mass. Tie-plate and rail-supporter. No. 1,075,619; Oct. 14; Gaz. vol. 195; p. 383.
- Abbott, Scott M., St. Cloud, Minn. Oil-gas burner. No. 1,056,749; Mar. 18; Gaz. vol. 188; p. 780.
- Abbott, William J., Algiers, Ind. Ditching-machine. No. 1,062,528; May 20; Gaz. vol. 190; p. 742.
- Abel, Willy, Berlin-Schöneberg, Germany. Knife-cleaning machine. No. 1,059,652; Apr. 22; Gaz. vol. 189; p. 893.
- Abeles, Leo, Philadelphia, Pa. Signaling device. No. 1,070,096; Aug. 12; Gaz. vol. 193; p. 376.
- Abeles, Leo, Philadelphia, Pa. Signaling device. No. 1,074,537; Sept. 30; Gaz. vol. 194; p. 1100.
- Abell, Rollin, Milton, and W. P. Abell, Quincy, Mass. Flexible tubing. No. 1,068,553; July 29; Gaz. vol. 192; p. 1046.
- Abell, Walter P. (See Abell, Rollin and W. P.)
- Abendschein, Frederick H., New York, N. Y. Piano-action spring. No. 1,063,311; June 3; Gaz. vol. 191; p. 47.
- Abercrombie, Abraham L., and J. P. Cartin, Daytona, Fla. Garment-supporter. No. 1,064,416; June 10; Gaz. vol. 191; p. 462.
- Aberregg, Otto, assignor to Hasler A. G. vormalts Telegraphen-Werkstätte von G. Hasler, Berne, Switzerland. Tachometer. No. 1,075,998; Oct. 14; Gaz. vol. 195; p. 512.
- Aberregg, Otto J., Bern, Switzerland. Speed-recorder. No. 1,073,553; Sept. 16; Gaz. vol. 194; p. 719.
- Abernethy, Harry M., assignor to The American Railway Signal Company, Cleveland, Ohio. Electric-circuit controller. No. 1,049,636; Jan. 7; Gaz. vol. 186; p. 110.
- Abernethy, Thomas H., Shelby, N. C. Car-door-securing means. No. 1,049,966; Jan. 7; Gaz. vol. 186; p. 218.
- Abert, Hamilton, New York, N. Y. Photographic-printing device. No. 1,052,876; Feb. 11; Gaz. vol. 187; p. 384.
- Abigt, Arthur F., Evansville, Ind. Dump-wagon. No. 1,063,945; June 10; Gaz. vol. 191; p. 299.
- Aborn, George P., Brookline, Mass., assignor to The Blake & Knowles Steam Pump Works. Engine-valve. No. 1,055,994; Mar. 18; Gaz. vol. 188; p. 521.
- Aborn, George P., Brookline, Mass., assignor to The Blake & Knowles Steam Pump Works. Valve. No. 1,055,995; Mar. 18; Gaz. vol. 188; p. 521.
- Aborn, George P., Brookline, Mass., assignor to The Blake & Knowles Steam Pump Works. Valve. No. 1,055,996; Mar. 18; Gaz. vol. 188; p. 521.
- Aborn, George P., Brookline, Mass., assignor to The Blake & Knowles Steam Pump Works. Engine-valve. No. 1,055,997; Mar. 18; Gaz. vol. 188; p. 522.
- Abraham, Adolph, Rockford, Ill. Interchangeable-picture frame. No. 1,068,621; July 29; Gaz. vol. 192; p. 1071.
- Abraham, Enoch H. (See Huhn, Abraham, and Ham.)
- Abraham, George W., Saskatoon, Saskatchewan, Canada. Cuff-link. No. 1,082,145; Dec. 23; Gaz. vol. 197; p. 854.
- Abrahams, Joseph, New York, N. Y. Attachment for caps. No. 1,067,225; July 8; Gaz. vol. 192; p. 487.
- Abrahamsen, Jens, and J. Kierkegaard, Copenhagen, Denmark. Hair-pin machine. No. 1,058,135; Apr. 8; Gaz. vol. 189; p. 298.
- Abram Cox Stove Company. (See Mott, Abram C., Jr., assignor.)
- Abram, Ira M. (See Runner and Abram.)
- Abram, Richard, *et al.* (See Raleigh, James F., assignor.)
- Abrames, Erie L., and J. H. Coryell, Hayward, Okla. Vacuum-cleaner. No. 1,077,947; Nov. 4; Gaz. vol. 196; p. 243.
- Abramovitz, Louis, New York, N. Y. Faucet. No. 1,075,999; Oct. 14; Gaz. vol. 195; p. 512.
- Abrams, Percy G., Philadelphia, Pa. Cord-fastening device. No. 1,055,503; Mar. 11; Gaz. vol. 188; p. 323.
- Abramson, Harry, Philadelphia, Pa. Abdominal and hip supporter and stocking attachment. No. 1,050,326; Jan. 14; Gaz. vol. 186; p. 376.
- Abramson, Harry, Philadelphia, Pa. Sad-iron. No. 1,052,117; Feb. 4; Gaz. vol. 187; p. 95.
- Abramson, Harry, Philadelphia, Pa. Gas-heated iron. No. 1,060,572; May 6; Gaz. vol. 190; p. 100.
- Abramson, Harry, Philadelphia, Pa. Gas-heated iron. No. 1,073,884; Sept. 23; Gaz. vol. 194; p. 855.
- Abresch, Eugen. (See Brune and Horst, assignors.)
- Absoiom, David E. (See Weekes and Absolom.)
- Accident Insurance Machine Company of America, The. (See Reese, John E., assignor.)
- Ace, Charles H. (See Place, John R., assignor.)
- Acetylene Welding Company. (See Miller, Edward A., assignor.)
- Ach, Lorenz, Mannheim, and A. Rothmann, Heidelberg, assignors to C. F. Boehringer & Soehne, Mannheim-Waldhof, Germany. Arsinic acids and making the same. No. 1,075,279; Oct. 7; Gaz. vol. 195; p. 240.
- Ach, Lorenz, Mannheim, and A. Rothmann, Heidelberg, assignors to C. F. Boehringer & Soehne, Mannheim-Waldhof, Germany. Making derivatives of dinitro-methyl-nitramino-phenyl-arsinic acids. No. 1,081,079; Dec. 9; Gaz. vol. 197; p. 430.
- Achard, John W. (See Van Nuis and Achard.)
- Achard, John W., Philadelphia, Pa. End-cell switch. No. 1,067,573; July 15; Gaz. vol. 192; p. 640.
- Achenbach, Julius A. E. (See Pörscke and Achenbach.)
- Achert, William K., Norwood, assignor to The Automatic Tile Machine Company, Cincinnati, Ohio. Tile-grading machine. No. 1,066,239; July 1; Gaz. vol. 192; p. 120.
- Acheson, Edward G., Niagara Falls, Ontario, Canada. Treating amorphous bodies and product thereof. No. 1,082,386; Dec. 23; Gaz. vol. 197; p. 940.
- Acker, Charles C., Winnsboro, Tex. Railway-rail support and coupling. No. 1,068,554; July 29; Gaz. vol. 192; p. 1046.
- Acker, Charles E., Ossining, N. Y., assignor to The Nitrogen Company. Economic method of obtaining gases. No. 1,050,902; Jan. 21; Gaz. vol. 186; p. 610.
- Acker, Charles E., Ossining, N. Y., assignor to The Nitrogen Company. Producing cyanogen compounds and the like. No. 1,072,373; Sept. 2; Gaz. vol. 194; p. 239.
- Acker, Charles E., New York, N. Y., assignor to The Nitrogen Company. Producing nitrogen compounds. No. 1,051,303; Jan. 21; Gaz. vol. 186; p. 746.
- Acker, David, *et al.* (See Kleckner, Harry T., assignor.)
- Acker, Julius J. (See Bundy and Acker.)
- Ackerman, Albert A., assignor of one-half to H. A. Engman, South Bend, Ind. Convertible body for automobiles. No. 1,052,552; Feb. 11; Gaz. vol. 187; p. 273.
- Ackerman, Edward L. (See Streberger, John F., assignor.)
- Ackerman, Frank E., Pittsburgh, Pa. Feed-water purifier. No. 1,051,182; Jan. 21; Gaz. vol. 186; p. 706.
- Ackerman, George, assignor of one-third to F. C. Bush, Salt Lake City, Utah. Sheet delivery and stacker. No. 1,078,569; Nov. 11; Gaz. vol. 196; p. 487.
- Ackermann, Alexander H., Brooklyn, assignor to The United States Light & Heating Company, New York, N. Y. Protected terminal-clamping device. No. 1,059,326; Apr. 15; Gaz. vol. 189; p. 746.
- Ackermann, Clemens W. and F. B., Chicago, Ill. Tie and tie-plate support. No. 1,078,980; Nov. 18; Gaz. vol. 196; p. 662.
- Ackermann, Clemens W. and F. B., Chicago, Ill. Tie and tie-plate support. No. 1,082,252; Dec. 23; Gaz. vol. 197; p. 893.
- Ackermann, Frank B. (See Ackermann, Clemens W. and F. B.)
- Ackley and Brink Manufacturing Company. (See Brink, Frank J., assignor.)
- Ackley, John L., Penn Yan, N. Y. Extension-tower. No. 1,076,539; Oct. 21; Gaz. vol. 195; p. 728.
- Ackley, Rollin D., and M. C. Abbey, Battle Creek, Mich. Milling-machine. No. 1,055,964; Mar. 11; Gaz. vol. 188; p. 475.
- Ackroyd, John H., Elizabeth, N. J. Gas-burner. No. 1,079,281; Nov. 18; Gaz. vol. 196; p. 764.
- Acme Cement Plaster Co. (See Kibler, Daniel L., assignor.)
- Acme Fireless Cooker Co., The. (See Sheer, Henry M., assignor.)
- Acme-Keystone Manufacturing Company. (See McCool, William A., assignor.)
- Acme Knitting Machine and Needle Company. (See Stewart, Albert E., assignor.)
- Acme Pipe Clamp Company. (See Adreon, Edward L., Jr., assignor.)
- Acme Pipe Clamp Company. (See Wahlert, Henry A., assignor.)
- Acme Shear Company, The. (See Karsitz, Frank, assignor.)
- Acme Steel Goods Company. (See Norton and Berndt, assignors.)
- Acme Supply Company, The. (See Schroyer, Harry H., assignor.)
- Acme White Lead and Color Works. (See Holley, Clifford D., assignor.)
- Acorn Brass Manufacturing Company. (See Prouty, Theodore C., assignor.)
- Acree, Louis C., Stanford University, Cal. Fly-trap. No. 1,072,374; Sept. 2; Gaz. vol. 194; p. 239.
- Actien-Gesellschaft fuer Kohlendestillation. (See Roter-mund, Hermann, assignor.)

Alphabetical list of patentees—Continued.

- Actien Gesellschaft für Anilin Fabrikation. (See Herzberg and Bruck, assignors.)
- Actien Gesellschaft für Anilin Fabrikation. (See Herzberg and Hoppe, assignors.)
- Actien Gesellschaft für Anilin Fabrikation. (See Herzberg and Lange, assignors.)
- Actiengesellschaft Brown Boveri & Cie. (See Brown, Eric, assignor.)
- Acuff, Rosal K. (See McGhee and Acuff.)
- Ad-Pencil Company, The. (See Scott, Jesse B., assignor.)
- Adair, Charles E., assignor to Cyphers Incubator Company, Buffalo, N. Y. Hover. No. 1,053,262; Feb. 18; Gaz. vol. 187; p. 561.
- Adam, Folger, Joliet, Ill. Protecting device for jail-fronts. No. 1,065,891; June 24; Gaz. vol. 191; p. 1029.
- Adam, Georges, Paris, France. Thermal circuit-controlling device. No. 1,063,101; May 27; Gaz. vol. 190; p. 974.
- Adam, Robert B., *et al.* (See Ness, Horatio N., assignor.)
- Adamian, Parnag A., and A. M. Dahan, Boston, Mass. Lighter. No. 1,060,150; Apr. 29; Gaz. vol. 189; p. 1101.
- Adams, Albert L. (See Neiman and Adams.)
- Adams, Alfred E., Hamilton, Ontario, Canada. Sander. No. 1,065,290; June 17; Gaz. vol. 191; p. 787.
- Adams, Alfred N., Stockton, Cal. Transmission-gearing. No. 1,065,996; July 1; Gaz. vol. 192; p. 33.
- Adams, Alonzo T., Moline, assignor to Marseilles Company, East Moline, Ill. Elevator-drag. No. 1,049,327; Jan. 7; Gaz. vol. 186; p. 3.
- Adams, Arthur H. (See Scribner and Adams.)
- Adams, Arthur J., Salt Lake City, Utah. Window-cleaner. No. 1,054,481; Feb. 25; Gaz. vol. 187; p. 1015.
- Adams, Arthur J., Salt Lake City, Utah. Valve. No. 1,067,232; July 15; Gaz. vol. 192; p. 525.
- Adams, Arthur J., assignor to Fulton Manufacturing Company, Chicago, Ill. Go-cart or perambulator. No. 1,057,314; Mar. 25; Gaz. vol. 188; p. 1002.
- Adams-Bagnall Electric Company, The. (See Adams, Thomas E., assignor.)
- Adams-Bagnall Electric Company, The. (See Root, Ralph R., assignor.)
- Adams-Bagnall Electric Company, The. (See Stowe, Bernard A., assignor.)
- Adams, Burton H. and W. C., Decorah, Iowa. Testing seeds. No. 1,062,682; May 27; Gaz. vol. 190; p. 836.
- Adams, Charles A., assignor to Carter, Rice & Company, Corporation, Boston, Mass. Tray. No. 1,066,359; July 1; Gaz. vol. 192; p. 160.
- Adams, Charles F. (See Smith and Adams.)
- Adams, Clark C. (See Dow, Alonzo, assignor.)
- Adams, Clyde W., assignor, by mesne assignments, to Adams Grease & Oil Company, New York, N. Y. Lubricating compound. No. 1,066,971; July 8; Gaz. vol. 192; p. 400.
- Adams, Daniel W., Glendale Springs, N. C. Parachute-launching device. No. 1,069,662; Aug. 12; Gaz. vol. 193; p. 227.
- Adams, Daniel W., Glendale Springs, N. C. Shoulder-bag water-spraying apparatus. No. 1,081,648; Dec. 16; Gaz. vol. 197; p. 658.
- Adams, Earl T., Portsmouth, Ohio. Buttonhole-marking machine. No. 1,065,198; June 17; Gaz. vol. 191; p. 755.
- Adams, Earl T., Portsmouth, Ohio. Buttonhole-marker for shoes. No. 1,068,958; July 29; Gaz. vol. 192; p. 1190.
- Adams, Edgar C., assignor of one-half to B. J. Palmer, Davenport, Iowa. Operating or adjusting table. No. 1,065,199; June 17; Gaz. vol. 191; p. 755.
- Adams, Edward E., Quito, Ecuador. Steam-engine throttle-valve. No. 1,067,233; July 15; Gaz. vol. 192; p. 525.
- Adams & Elting Co. (See Doering, Charles, Jr., assignor.)
- Adams, Everett P., Greentop, Mo. Door-hanger. No. 1,058,513; Apr. 8; Gaz. vol. 189; p. 429.
- Adams, Frank W., Eastbourne, England. Apparatus for use in printing or stenciling. No. 1,073,556; Sept. 16; Gaz. vol. 194; p. 719.
- Adams, Fred L., *et al.* (See Smith, Walton D., assignor.)
- Adams, George, Franklin Centre, Quebec, Canada. Combined jack and thill-support. No. 1,081,008; Dec. 9; Gaz. vol. 197; p. 409.
- Adams, George B., Irvington, N. J. Clasp or buckle. No. 1,055,011; Mar. 4; Gaz. vol. 188; p. 121.
- Adams, George R., Jacksonville, Fla. Rat-trap. No. 1,072,375; Sept. 2; Gaz. vol. 194; p. 239.
- Adams Grease & Oil Company. (See Adams, Clyde W., assignor.)
- Adams, Harry E., Pittsburgh, Pa. Tap for multiple-conductor metallic-sheathed cables. No. 1,056,483; Mar. 18; Gaz. vol. 188; p. 687.
- Adams, Harry J. (See McCormack, Patrick J., assignor.)
- Adams, Henry A., Sandwich, Ill., assignor to Sandwich Manufacturing Company. Corn-sheller. No. 1,055,436; Mar. 11; Gaz. vol. 188; p. 300.
- Adams, Henry T., Chicago, assignor to Henry T. Adams Company, South Chicago, Ill. Bicycle-stand. No. 1,061,513; May 13; Gaz. vol. 190; p. 361.
- Adams, James H., assignor of one-half to W. O. Clay, Taft, Cal. Back-stop for vehicles. No. 1,067,707; July 15; Gaz. vol. 192; p. 687.
- Adams, James L., *et al.* (See Phillips, William R., assignor.)
- Adams, James L., Jr., Wilkesburg, Pa., assignor to Westinghouse Electric and Manufacturing Company. Electrical distributor. No. 1,075,457; Oct. 14; Gaz. vol. 195; p. 328.
- Adams, James P., Sioux Falls, S. D. Safety-check. No. 1,079,282; Nov. 18; Gaz. vol. 196; p. 765.
- Adams, John M., Chicago, Ill. Metal bedstead. No. 1,052,200; Feb. 4; Gaz. vol. 187; p. 124.
- Adams, John M., Chicago, Ill. Metal bedstead. No. 1,052,784; Feb. 11; Gaz. vol. 187; p. 352.
- Adams, John M., Chicago, Ill. Metal bedstead. No. 1,054,632; Feb. 25; Gaz. vol. 187; p. 1065.
- Adams, John Q., Westmont, N. J. Sanitary towel-holder. No. 1,062,943; May 27; Gaz. vol. 190; p. 922.
- Adams, Joseph, Jr., Toledo, Ohio. Key-bolt lock. No. 1,070,385; Aug. 19; Gaz. vol. 193; p. 517.
- Adams, Leland S. (See Harnes and Adams.)
- Adams, Leslie C., Penetanguishene, Ontario, Canada. Make-and-break sparking device for engines. No. 1,066,453; July 1; Gaz. vol. 192; p. 190.
- Adams, Marcellin C., Pittsburgh, Pa. Broom-bridle. No. 1,060,877; May 6; Gaz. vol. 190; p. 108.
- Adams, McNary F., Denver, Colo. Refrigerating apparatus. No. 1,069,840; Aug. 12; Gaz. vol. 193; p. 289.
- Adams, Orr J., Grand Junction, Colo. Concentration of ores. No. 1,070,313; Aug. 12; Gaz. vol. 193; p. 451.
- Adams, Phineas H., Chicago, Ill. Motor-car. No. 1,081,080; Dec. 9; Gaz. vol. 197; p. 430.
- Adams-Randall, Charles, New York, N. Y. Elastic wheel. No. 1,061,580; May 13; Gaz. vol. 190; p. 387.
- Adams-Randall, Charles, Boston, Mass. Telephonic apparatus. No. 1,062,754; May 27; Gaz. vol. 190; p. 858.
- Adams, Robert H., Detroit, Mich. Valve for internal-combustion engines. No. 1,053,894; Feb. 18; Gaz. vol. 187; p. 775.
- Adams, Samuel J., Montclair, N. J. Match-box. No. 1,080,400; Dec. 2; Gaz. vol. 197; p. 171.
- Adams, Stephen R., and L. H. Jackson, American Fork, Utah. Combined valve and governor. No. 1,079,626; Nov. 25; Gaz. vol. 196; p. 915.
- Adams, Thomas E., assignor to The Adams-Bagnall Electric Company, Cleveland, Ohio. Electric-arc lamp. No. 1,058,514; Apr. 8; Gaz. vol. 189; p. 429.
- Adams, Thomas E., assignor to The Adams-Bagnall Electric Company, Cleveland, Ohio. Electric-arc lamp. No. 1,058,515; Apr. 8; Gaz. vol. 189; p. 429.
- Adams, W. Herbert, executor. (See Gould and Clouette.)
- Adams, Walter C. (See Adams, Burton H. and W. C.)
- Adams, Walter S., assignor to The J. G. Brill Company, Philadelphia, Pa. Passenger-car. No. 1,068,201; July 22; Gaz. vol. 192; p. 887.
- Adams, Walter S., assignor to The J. G. Brill Co., Philadelphia, Pa. Car-truck. No. 1,076,009; Oct. 14; Gaz. vol. 195; p. 516.
- Adams, Walter S., assignor to The J. G. Brill Company, Philadelphia, Pa. Car-truck. No. 1,077,026; Oct. 28; Gaz. vol. 195; p. 954.
- Adams, Walter S., assignor to The J. G. Brill Co., Philadelphia, Pa. Car-truck. No. 1,077,184; Oct. 28; Gaz. vol. 195; p. 1002.
- Adams, Walter S., and G. B. Kohler, assignors to The J. G. Brill Company, Philadelphia, Pa. Sash-lock. No. 1,068,200; July 22; Gaz. vol. 192; p. 887.
- Adams & Westlake Company, The. (See Giese, James A., assignor.)
- Adams & Westlake Company, The. (See Giese and Field, assignors.)
- Adams & Westlake Company, The. (See Hamm, William S., assignor.)
- Adams & Westlake Company, The. (See Krohn, Nels, assignor.)
- Adams & Westlake Company, The. (See Legge, Thomas A., assignor.)
- Adams & Westlake Company, The. (See McGregor, Joseph G., assignor.)
- Adams & Westlake Company, The. (See Newpher, Alfred H., assignor.)
- Adams & Westlake Company, The. (See Warder, Walter J., Jr., assignor.)
- Adams, William, San Francisco, Cal. Chandelier. No. 1,052,992; Feb. 11; Gaz. vol. 187; p. 424.
- Adams, William, San Francisco, Cal. Chandelier. No. 1,080,092; Dec. 2; Gaz. vol. 197; p. 60.
- Adams, William, San Francisco, Cal. Chandelier. No. 1,080,093; Dec. 2; Gaz. vol. 197; p. 61.
- Adams, William D., New York, N. Y. Refrigerator. No. 1,079,155; Nov. 18; Gaz. vol. 196; p. 725.
- Adams, William E., La Fayette, La. Spring-hub for vehicle-wheels. No. 1,059,920; Apr. 22; Gaz. vol. 189; p. 980.
- Adams, William J., Newtonville, Mass. Boat-plug. No. 1,079,627; Nov. 25; Gaz. vol. 196; p. 915.
- Adams, William T., Corinth, Miss. Vehicle-jack. No. 1,057,315; Mar. 25; Gaz. vol. 188; p. 1002.

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- Adamski, Martin, Stoneboro, Pa. Trolley. No. 1,083,047; Dec. 30; Gaz. vol. 197; p. 1199.
- Adamson, Andrew G., and A. J. D. Kitson, London, England. Vapor-burning lamp. No. 1,058,516; Apr. 8; Gaz. vol. 189; p. 430.
- Adamson, Cecil F., Akron, Ohio. Portable vulcanizing device for tires. No. 1,057,911; Apr. 1; Gaz. vol. 189; p. 177.
- Adamson, Ernie, Carrollton, Ga. Acetylene-generator. No. 1,079,823; Nov. 25; Gaz. vol. 196; p. 985.
- Adder Machine Company, The. (See Bickford, Frank H., assignor.)
- Adder Machine Company. (See Hunter and Kuntzler, assignors.)
- Adder Machine Company. (See Kuntzler, Henry, assignor.)
- Adder Machine Company, The. (See Wilgus, Charles V., assignor.)
- Addograph Company. (See Crawley, Mansfield C., assignor.)
- Addometer Corporation. (See Lotterhand, Jason C., assignor.)
- Addressograph Company. (See Duncan, Joseph S., assignor.)
- Adell, John A. (See Starrett and Adell.)
- Adelsohn, Harry, Brooklyn, N. Y. Magneto. No. 1,063,947; June 10; Gaz. vol. 191; p. 299.
- Aderer, Julius, New York, N. Y. Adjustable-beak forceps. No. 1,059,696; Apr. 22; Gaz. vol. 189; p. 908.
- Adinau, Louis G. M., San Francisco, Cal., assignor to L. Adinau Company. Explosive. No. 1,056,389; Mar. 18; Gaz. vol. 188; p. 652.
- Adkison, William F., Mount Vernon, Ark. Combined cultivator and cotton-chopper. No. 1,066,172; July 1; Gaz. vol. 192; p. 95.
- Adler, Jacob, Ridgefield Park, N. J. Dust-collecting screen. No. 1,056,722; Mar. 18; Gaz. vol. 188; p. 770.
- Adler, Jacob, New York, N. Y. Respirator. No. 1,071,015; Aug. 26; Gaz. vol. 193; p. 761.
- Adler, Rudolf, assignor to Naamlooze Vennootschap Algemeene Uitvinding Exploitatie Maatschappij, Amsterdam, Netherlands. Leicith-albumin compound and making the same. No. 1,057,316; Mar. 25; Gaz. vol. 188; p. 1003.
- Adlof, Frederick W., New Kensington, Pa. Window-curtain-operating mechanism. No. 1,059,257; Apr. 15; Gaz. vol. 189; p. 723.
- Admiral Hay Press Co. (See Bellinger, David E., assignor.) (Reissue.)
- Admiral Hay Press Company. (See Cookson, Charles L., assignor.)
- Adolf Bleichert & Company. (See Brunner and Schöndeling, assignors.)
- Adolf Bleichert & Company. (See Döhle, Fritz, assignor.)
- Adolph, Gustav. (See Pietzsch and Adolph.)
- Adolph, Gustav, and A. Pietzsch, Munich, Germany. Manufacture of persulfates. No. 1,059,809; Apr. 22; Gaz. vol. 189; p. 945.
- Adolph, Paul P., New York, N. Y. Water-cooler. No. 1,082,841; Dec. 30; Gaz. vol. 197; p. 1130.
- Adolphson, Charles, Blackduck, Minn. Buckle. No. 1,069,512; Aug. 5; Gaz. vol. 193; p. 147.
- Adreon, Edward L., Jr. (See Clarke, Marcus S., assignor.)
- Adreon, Edward L., Jr., St. Louis, Mo. Tie-plate. No. 1,073,011; Sept. 9; Gaz. vol. 194; p. 493.
- Adreon, Edward L., Jr., St. Louis, Mo. Tie-plate. No. 1,073,078; Sept. 9; Gaz. vol. 194; p. 517.
- Adreon, Edward L., Jr., assignor to Acme Pipe Clamp Company, St. Louis, Mo. Combined pipe-clamp and angle-cock holder. No. 1,064,117; June 10; Gaz. vol. 191; p. 359.
- Adreon, Robert E., assignor to Westinghouse Automatic Air and Steam Coupler Company, St. Louis, Mo. Device for operating cut-out cocks. No. 1,075,803; Oct. 14; Gaz. vol. 195; p. 445.
- Adriance, Adrian D., New York, N. Y. Cultivator. No. 1,053,341; Feb. 18; Gaz. vol. 187; p. 589.
- Adriance, Benjamin. (See Calleson, Amos, assignor.)
- Adriance, Benjamin, and A. Calleson, Brooklyn, N. Y.; said Calleson assignor to said Adriance. Apparatus for sealing bottles. No. 1,083,235; Dec. 30; Gaz. vol. 197; p. 1258.
- Adriance, Platt & Company. (See Nicht, Joseph, assignor.)
- Adsit, George, assignor to Benjamin Eastwood Company, Paterson, N. J. Quilling-machine. No. 1,063,235; June 3; Gaz. vol. 191; p. 23.
- Adt, John B., Baltimore, Md., assignor to The John B. Adt Company. Drying apparatus. No. 1,057,912; Apr. 1; Gaz. vol. 189; p. 177.
- Adt, Leo F. (See Payne and Simms, assignors.)
- Adt, Leo F., et al. (See Van Tassel, John R., assignor.) (Reissue.)
- Adt, Leo F., Albany, N. Y. Mounting for spectacles. No. 1,054,076; Feb. 25; Gaz. vol. 187; p. 875.
- Advance Screen & Manufacturing Co. (See Brusky and Voelkner, assignors.)
- Aeolian Company. (See Crooks, James W., assignor.)
- Aeolian Company. (See Kelly, George B., assignor.)
- Aeolian Company. (See Sampere, José, assignor.)
- Aeolian Company. (See Votey, Edwin S., assignor.)
- Aermore Manufacturing Company. (See Schlosberg, Maris, assignor.)
- Aermotor Company. (See Noyes, La Verne W., assignor.)
- Aero Pulverizer Company. (See Thomas, Edward G., assignor.)
- Aeschlimann, John J., Monroe, Wis. Wrench. No. 1,073,557; Sept. 16; Gaz. vol. 194; p. 720.
- Aetna Manufacturing Company. (See Dahlgren, Leonard, assignor.)
- Afanador, Angel, Peru, Ind. Automobile-clutch. No. 1,070,937; Aug. 19; Gaz. vol. 193; p. 701.
- Africa, Elmer M., Huntingdon, Pa., and B. E. McSheehy, Nutley, N. J., assignors to J. C. Blair Company, Huntingdon, Pa. Tablet or the like. No. 1,054,586; Feb. 25; Gaz. vol. 187; p. 1050.
- Afzelius, Bengt A., assignor to Sandvikens Jernverks Aktiebolag, Sandviken, Sweden. Belt conveyer. No. 1,055,591; Mar. 11; Gaz. vol. 188; p. 350.
- Agin, Winfred, Chillicothe, Ohio. Package and bottle lifter. No. 1,051,374; Jan. 21; Gaz. vol. 186; p. 770.
- Agnelli, Giovanni, Turin, Italy, assignor, by mesne assignments, to F. I. A. T., Poughkeepsie, N. Y. Driving-gear for motor road-vehicles. No. 1,050,049; Jan. 7; Gaz. vol. 186; p. 248.
- Agnelli, Giovanni, Turin, Italy, assignor, by mesne assignments, to F. I. A. T., Poughkeepsie, N. Y. Motor-vehicle axle. No. 1,050,050; Jan. 7; Gaz. vol. 186; p. 249.
- Agnew, Thomas H., Surrey, Cal. Key-fastener. No. 1,059,018; Apr. 15; Gaz. vol. 189; p. 643.
- Agolini, Giuseppe, Turin, Italy. Recording mercury-barometer. No. 1,068,726; July 29; Gaz. vol. 192; p. 1108.
- Agostini, Luis R., Caracas, Venezuela. Wave-motor. No. 1,064,417; June 10; Gaz. vol. 191; p. 462.
- Agrell, Frans G., Stockholm, Sweden. Telephone system. No. 1,061,650; May 13; Gaz. vol. 190; p. 410.
- Agrell, Frans G., Stockholm, Sweden. Telephone system. No. 1,061,651; May 13; Gaz. vol. 190; p. 411.
- Ahearn, Michael, Denver, Colo. Stone-cutting apparatus. No. 1,071,016; Aug. 26; Gaz. vol. 193; p. 761.
- Ahern, Albert M., St. Louis, Mo. Smoke-producing device for routing wild animals. No. 1,073,384; Sept. 16; Gaz. vol. 194; p. 661.
- Ahern, James C., Indianapolis, Ind. Feeding apparatus. No. 1,054,482; Feb. 25; Gaz. vol. 187; p. 1015.
- Ahlborn, Theodore, assignor to The Waterloo Cement Machinery Corporation, Waterloo, Iowa. Concrete-mixer. No. 1,052,993; Feb. 11; Gaz. vol. 187; p. 424.
- Ahlborn, Theodore, assignor to The Waterloo Cement Machinery Corporation, Waterloo, Iowa. Tamping-machine. No. 1,066,778; July 8; Gaz. vol. 192; p. 336.
- Ahlborn, Theodore, assignor to The Waterloo Cement Machinery Corporation, Waterloo, Iowa. Concrete-mixer. No. 1,075,000; Oct. 7; Gaz. vol. 195; p. 140.
- Ahlen, William, and V. Ross, Duquesne, Pa. Hotbed. No. 1,082,387; Dec. 23; Gaz. vol. 197; p. 940.
- Ahlm, Charles E. F., Cleveland, Ohio. Dynamo-electric machine. No. 1,074,338; Sept. 30; Gaz. vol. 194; p. 1036.
- Ahlm, Charles E. F., and C. E. Cochran, assignors to The Elwell-Parker Electric Company of America, Cleveland, Ohio. Motor-truck. No. 1,069,991; Aug. 12; Gaz. vol. 193; p. 339.
- Ahlquist, Karl, Rugby, England, assignor to General Electric Company. Rotary compressor. No. 1,080,743; Dec. 9; Gaz. vol. 197; p. 318.
- Ahrens, Emil, Halle-on-the-Saale, Germany, assignor to Superior Asbestos Company, New York, N. Y. Apparatus for manufacturing artificial-stone slabs. No. 1,053,342; Feb. 18; Gaz. vol. 187; p. 589.
- Ahrens, Richard M., Peekskill, N. Y. Saw-frame. No. 1,055,592; Mar. 11; Gaz. vol. 188; p. 350.
- Abrweiler, Henry G., New York, N. Y. Resilient shackle. No. 1,050,508; Jan. 14; Gaz. vol. 186; p. 441.
- Aichele, Albert, Baden, Switzerland. Grinding of toothed wheels, milling-cutters, and the like. No. 1,078,570; Nov. 11; Gaz. vol. 196; p. 487.
- Aichele, Albert, Baden, Switzerland. Grinding of toothed wheels, milling-cutters, and the like. No. 1,080,505; Dec. 2; Gaz. vol. 197; p. 205.
- Aichele, Albert, Baden, Switzerland. Liquid resistance. No. 1,082,721; Dec. 30; Gaz. vol. 197; p. 1089.
- Alken, Albion P., Braddock, Pa. Scale. No. 1,080,401; Dec. 2; Gaz. vol. 197; p. 171.
- Aiken, Charles A., Jamaica, Vt. Lantern-holder. No. 1,057,698; Apr. 1; Gaz. vol. 189; p. 103.
- Aiken, Edward L. (See Arlsworth and Aiken.)
- Aikin, Forrest J. (See Wild and Aikin.)
- Aikins, Herbert A., Cleveland, Ohio. Educational appliance. No. 1,050,327; Jan. 14; Gaz. vol. 186; p. 377.
- Aikins, Samuel, Hamilton, Ontario, Canada, assignor to Universal Electric Welding Company, Long Island City, N. Y. Door-knob. No. 1,060,223; Apr. 29; Gaz. vol. 189; p. 1126.
- Aikman, Burton S., Chicago, Ill., assignor to National Brake & Electric Company, Milwaukee, Wis. Pneumatic governor. No. 1,065,649; June 24; Gaz. vol. 191; p. 947.

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- Aikman, Burton S., Chicago, Ill., assignor to National Brake & Electric Co., Milwaukee, Wis. Engineer's valve. No. 1,065,650; June 24; Gaz. vol. 191; p. 947.
- Aikman, Burton S., assignor to National Brake & Electric Company, Milwaukee, Wis. Self-cleaning strainer and muffler. No. 1,073,883; Sept. 23; Gaz. vol. 194; p. 855.
- Aikman, Burton S., Chicago, Ill., assignor to National Brake & Electric Company, Milwaukee, Wis. Pneumatic governor. No. 1,078,595; Nov. 11; Gaz. vol. 196; p. 496.
- Aikman, Burton S., Chicago, Ill., assignor to National Brake & Electric Co., Milwaukee, Wis. Engineer's valve. No. 1,079,909; Nov. 25; Gaz. vol. 196; p. 1015.
- Aikman, Ralph O. (See Maughmer and Aikman.)
- Aine, Harry E., Richmond, Cal. Constructing spirally-wound structures of the continuous-wooden-stave type. No. 1,082,062; Dec. 23; Gaz. vol. 197; p. 827.
- Alnis, Dennis, Philadelphia, Pa. Milk-bottle receiver. No. 1,051,534; Jan. 28; Gaz. vol. 186; p. 858.
- Alnsworth, Arthur B., Leavenworth, Kans. Gravitation labeling-machine. No. 1,062,267; May 20; Gaz. vol. 190; p. 657.
- Alnsworth, Franklin, New York, N. Y. Stop-motion. No. 1,082,388; Dec. 23; Gaz. vol. 197; p. 940.
- Alnsworth, Omar A., and G. A. Skoog, Youngstown, Ohio. Building construction. No. 1,065,762; June 24; Gaz. vol. 191; p. 985.
- Airgas Syndicate Incorporated. (See Cox, Frederick J., assignor.)
- Airis, Walter A. (See Williams, Peter P., assignor.)
- Airless Tube Filler Company. (See Larkin, Edwin J., assignor.)
- Aisenstein & Schiller. (See Pedersen, Harald C., assignor.)
- Aitcheson, Dora L., Burtonville, Md. Milliner's workholder. No. 1,051,052; Jan. 21; Gaz. vol. 186; p. 662.
- Aitken, Robert F., Flint, Mich. Tape-line holder. No. 1,066,972; July 8; Gaz. vol. 192; p. 400.
- Aitken, William, Liverpool, England. Telephone-exchange system. No. 1,079,156; Nov. 18; Gaz. vol. 196; p. 725.
- Aitken, William, Liverpool, England. Telephone switching system. No. 1,079,533; Nov. 25; Gaz. vol. 196; p. 882.
- Ajax Manufacturing Company, The. (See Blakeslee, John R., assignor.)
- Ajax Metal Company. (See Hopkins, Charles F., assignor.)
- Akerlund, Gustaf, assignor to Standard Gas Power Company, Atlanta, Ga. Gas-producer system. No. 1,060,807; May 6; Gaz. vol. 190; p. 83.
- Akers, Andrew J. and E. E., Columbus, Ill. Grading-machine. No. 1,054,483; Feb. 25; Gaz. vol. 187; p. 1015.
- Akers, Cyrus, Los Angeles, Cal. Extension-support for window-shades and lace curtains. No. 1,059,258; Apr. 15; Gaz. vol. 189; p. 724.
- Akers, Earl C., Port Huron, Mich. Ship's log. No. 1,081,081; Dec. 9; Gaz. vol. 197; p. 430.
- Akers, Emmett E. (See Akers, Andrew J. and E. E.)
- Akers, Harry R., Tyler, Tex. Guard-rail clamp. No. 1,053,961; Feb. 25; Gaz. vol. 187; p. 837.
- Akers, Joseph G., assignor of one-sixth to R. E. Erwin and H. Pettit, Philadelphia, Pa. Switch mechanism. No. 1,068,555; July 29; Gaz. vol. 192; p. 1046.
- Akers, Maurice L., assignor to Pendleton Iron Works, Pendleton, Oreg. Device for holding teeth in agricultural implements. No. 1,050,710; Jan. 14; Gaz. vol. 186; p. 506.
- Akin, John H., Sumner, Mo. Railway-tie. No. 1,069,637; Aug. 5; Gaz. vol. 193; p. 189.
- Akins, Edwin J., Moundsville, W. Va. Overshoe-holder. No. 1,057,108; Mar. 25; Gaz. vol. 188; p. 934.
- Akins, Randall P., assignor to Colorado Iron Works Co., Denver, Colo. Rotary filter. No. 1,059,327; Apr. 15; Gaz. vol. 189; p. 747.
- Akre, John J., Spring Grove, Minn. Gate. No. 1,079,283; Nov. 13; Gaz. vol. 196; p. 765.
- Akrigg, James. (See Chainey, Emanuel, assignor.)
- Akt. Ges. Mix & Genest, Telephon & Telegraphenwerke (See Meyer, Friedrich, assignor.)
- Akt. Ges. Mix & Genest Telephon & Telegraphenwerke. (See Stritter, Otto, assignor.)
- Aktiebolaget Baltic. (See Risberg, Johannes V. M., assignor.)
- Aktiebolaget Bofors Gullspång. (See Nordenfelt, Henrik, assignor.)
- Aktiebolaget Ethyl. (See Ekström, Per G., assignor.)
- Aktiebolaget Gehr. Arehns Mekaniska Verkstad. (See Wass and Johnson, assignors.)
- Aktiebolaget Ingeniörsfirma Fritz Egnell. (See Wener, Nils H., assignor.)
- Aktiebolaget L. M. Ericsson & Co. (See Larsson, Gustaf O., assignor.)
- Aktiebolaget Ljungströms, Angturbin. (See Ljungström, Birger, assignor.)
- Aktiebolaget Ljungströms Angturbin. (See Ljungström, Fredrik, assignor.)
- Aktiebolaget Separator. (See Jörgensen, Walter, assignor.)
- Aktiebolaget Sons Bruk. (See Jonsson, Gustaf E., assignor.)
- Aktien-Gesellschaft Warschauer Schrauben und Drahtfabriken. (See Pius, Schlama, assignor.)
- Aktiengesellschaft Brown, Boveri & Cie. (See Scherblus, Jonas, and Meyer-Delius, assignors.)
- Aktiengesellschaft Brown, Boveri & Cie. (See Schnetzler, Karl, assignor.)
- Aktiengesellschaft Brown Boveri & Cie. (See Thallmayer, Ludwig, assignor.)
- Aktieselskabet Max Baumann. (See Baumann, Max, assignor.)
- Aktieselskabet Record. (See Jenssen, Andreas, assignor.)
- Aktschourin, Jacob, Aktschourinski Tupik, Russia. Making colophony and colophony-soap. No. 1,074,339; Sept. 30; Gaz. vol. 194; p. 1036.
- Alaska Garnet Mining and Manufacturing Company, The. (See Durkee, Anna E., assignor.)
- Alba B, Fabricio de, Panama, Panama. Self-propelled vehicle. No. 1,082,457; Dec. 23; Gaz. vol. 197; p. 961.
- Albaugh-Dover Co. (See Eppley, Francis G., assignor.)
- Albee, Frank H., Boston, Mass. Hose-clamp. No. 1,072,896; Sept. 9; Gaz. vol. 194; p. 452.
- Albers, Louis H., Albany, N. Y. Automatic fluid-brake. No. 1,053,263; Feb. 18; Gaz. vol. 187; p. 561.
- Albershart, F. H., et al. (See McKenzie, Clinton J., assignor.)
- Albert, Eugen, Munich, Germany. Etching-machine. No. 1,081,289; Dec. 16; Gaz. vol. 197; p. 539.
- Albert, Eugen, Munich, Germany. Etching process. No. 1,081,290; Dec. 16; Gaz. vol. 197; p. 539.
- Albert, Franz, Dusseldorf-Rath, Germany. Pipe-joint. No. 1,065,892; June 24; Gaz. vol. 191; p. 1029.
- Albert, George, Salida, Colo. Shovel-handle extension. No. 1,081,187; Dec. 9; Gaz. vol. 197; p. 466.
- Albert and J. M. Anderson Manufacturing Company. (See Andersen, Johan M., assignor.)
- Albert, Kurt, Wiesbaden, Germany. Siemens-Martin furnace. No. 1,073,653; Sept. 23; Gaz. vol. 194; p. 775.
- Albert, Porter D., New Bethlehem, Pa. Antiskidding device. No. 1,065,096; June 17; Gaz. vol. 191; p. 723.
- Albertsen, Boje R., assignor of one-half to A. Levy, San Francisco, Cal. Preservative and making the same. No. 1,062,683; May 27; Gaz. vol. 190; p. 836.
- Albertson, Ernest H., Newark, N. J. Type-writer. No. 1,082,671; Dec. 30; Gaz. vol. 197; p. 1071.
- Alberty, Ada M., Seattle, Wash. Milk-modifier. No. 1,069,096; Aug. 5; Gaz. vol. 193; p. 3.
- Albrecht, August, Lübeck, Germany. Salting apparatus. No. 1,055,504; Mar. 11; Gaz. vol. 188; p. 323.
- Albrecht, Oscar A., assignor to O. A. Albrecht Company, Omaha, Nebr. Braiding-machine. No. 1,073,558; Sept. 16; Gaz. vol. 194; p. 720.
- Albright, Albert A., assignor of one-half to C. L. Van Arsdol, Muncie, Ind. Filter. No. 1,050,051; Jan. 7; Gaz. vol. 186; p. 249.
- Albright, Chester W., Danville, assignor to F. A. Daley, Chicago, Ill. Revolving-leaf treating-table. No. 1,076,475; Oct. 21; Gaz. vol. 195; p. 705.
- Albright, John, Green City, Mo. Metallic tie. No. 1,077,209; Oct. 28; Gaz. vol. 195; p. 1011.
- Alco Deo Company. (See Crockett, Cyrenius W., assignor.)
- Alco Deo Company. (See Hoffman, Alfred, assignor.)
- Alcohol Heating & Lighting Company. (See Sharp, William E., assignor.)
- Alcorn, John, Mecca, Ind. Tire-tightener. No. 1,053,142; Feb. 18; Gaz. vol. 187; p. 521.
- Alcott, Edward, Manassas, Va. Protector for railway-rails. No. 1,061,967; May 20; Gaz. vol. 190; p. 555.
- Alden, Charles A., Steelton, Pa. Railway-switch stand. No. 1,050,416; Jan. 14; Gaz. vol. 186; p. 407.
- Alden, Charles A., Steelton, Pa. Rail-clamp. No. 1,050,417; Jan. 14; Gaz. vol. 186; p. 408.
- Alden, Charles A., Steelton, Pa. Railway-crossing. No. 1,058,933; Apr. 15; Gaz. vol. 189; p. 612.
- Alden, Flora S. (See Hollings, John C., assignor.)
- Alden, George L., assignor to Norton Grinding Company, Worcester, Mass. Grinding. No. 1,081,082; Dec. 9; Gaz. vol. 197; p. 431.
- Alden, Herbert W., assignor to The Timken-Detroit Axle Company, Detroit, Mich. Driving-axle. No. 1,049,637; Jan. 7; Gaz. vol. 186; p. 110.
- Alden, Herbert W., assignor to The Timken-Detroit Axle Company, Detroit, Mich. Differential gearing. No. 1,063,001; May 27; Gaz. vol. 190; p. 940.
- Alden, Herbert W., assignor to The Timken-Detroit Axle Company, Detroit, Mich. Vehicle-wheel. No. 1,078,760; Nov. 18; Gaz. vol. 196; p. 587.
- Alden, Herbert W., assignor, by mesne assignments, to The Columbia Motor Car Company, Hartford, Conn. Carbureter. No. 1,072,376; Sept. 2; Gaz. vol. 194; p. 240.
- Alden Sampson Manufacturing Company. (See Breed, Preston H., assignor.)
- Aldendorff, Fritz, Antwerp, Belgium, assignor to Western Electric Company, New York, N. Y. Party-line system for automatic telephone-exchanges. No. 1,077,185; Oct. 28; Gaz. vol. 195; p. 1002.
- Alder, Fred. (See Miller, Alvin S., assignor.)
- Alder, Frederick H., Zurich, Switzerland. Type-writer attachment. No. 1,080,506; Dec. 2; Gaz. vol. 197; p. 205.
- Alderich, Homer. (See Reitz, Jonathan, assignor.)

Alphabetical list of patentees—Continued.

- Alderman, Coridon W., Windsor, Ohio. Sap-bucket cover. No. 1,056,766; Mar. 25; Gaz. vol. 188; p. 815.
- Alderman, Magellan, Plant City, Fla. Propelling device for boats. No. 1,057,317; Mar. 25; Gaz. vol. 188; p. 1003.
- Aldis, Arthur C. W., Birmingham, England. Level and the like. No. 1,063,761; June 3; Gaz. vol. 191; p. 205.
- Aldrich, William F. (See Wieland and Aldrich.)
- Aldridge, Harry G., assignor to Huther Brothers Saw Mfg. Co., Rochester, N. Y. Cutter-head. No. 1,083,174; Dec. 30; Gaz. vol. 197; p. 1237.
- Aldridge, James G. W., Westminster, London, England. Charging-machine for gas-retorts and the like. No. 1,066,874; July 8; Gaz. vol. 192; p. 366.
- Aldridge, Robert L., Burlington, Ontario, Canada. Relief-valve for spraying purposes. No. 1,055,437; Mar. 11; Gaz. vol. 188; p. 301.
- Alesani, Zeno, Trieste, Austria-Hungary. Bicycle and motor-cycle attachment. No. 1,077,210; Oct. 28; Gaz. vol. 195; p. 1011.
- Alexander Airless Auto Wheel Co. (See Ayotte, Joseph R., assignor.)
- Alexander, Albert C., Kahoka, Mo. Repairing dental plates. No. 1,066,360; July 1; Gaz. vol. 192; p. 161.
- Alexander, Alexander M., Beverly, Mass., assignor to United Shoe Machinery Company, Paterson, N. J. Knife for leather-skiving machines. No. 1,076,934; Oct. 28; Gaz. vol. 195; p. 921.
- Alexander, Alexander M., Beverly, Mass., assignor to United Shoe Machinery Company, Paterson, N. J. Leather-skiving machine. No. 1,079,462; Nov. 25; Gaz. vol. 196; p. 858.
- Alexander, Alfred D. (See Boland and Alexander.)
- Alexander, Daniel B. W., Los Angeles, Cal. Constructing roadways. No. 1,082,722; Dec. 30; Gaz. vol. 197; p. 1089.
- Alexander, Frances K., Berkeley, Cal. Surgical bandage or splint. No. 1,070,869; Aug. 19; Gaz. vol. 193; p. 679.
- Alexander, Frank M., Pittsburgh, Pa. Guide for developing-tanks. No. 1,064,678; June 10; Gaz. vol. 191; p. 550.
- Alexander, French H., *et al.* (See Playford, Marlon E., assignor.)
- Alexander, James A., *et al.* (See Stillings, Franklin E., assignor.)
- Alexander, Jesse, assignor of one-half to C. G. Willis, New York, N. Y. Type-writer key and type-bar movement. No. 1,050,089; Jan. 14; Gaz. vol. 186; p. 297.
- Alexander, Jesse, assignor of one-half to H. W. Little, New York, N. Y. Type-writing-machine ribbon feeding and operating mechanism. No. 1,077,238; Oct. 28; Gaz. vol. 195; p. 1020.
- Alexander, Jesse, New York, assignor of one-half to R. F. Cochrane, Mount Vernon, and one-half to H. W. Little, New York, N. Y. Type-writing-machine action. No. 1,077,112; Oct. 28; Gaz. vol. 195; p. 980.
- Alexander, John. (See Roe, Jackson M., assignor.)
- Alexander, John A., and F. K. Berry, assignors to A. B. Stove Company, Battle Creek, Mich. Gas-range. No. 1,060,573; May 6; Gaz. vol. 190; p. 3.
- Alexander, John A., and F. K. Berry, assignors to A. B. Stove Company, Battle Creek, Mich. Stove-door. No. 1,060,808; May 6; Gaz. vol. 190; p. 83.
- Alexander, John A., and F. K. Berry, assignors to A. B. Stove Company, Battle Creek, Mich. Gas-range. No. 1,070,097; Aug. 12; Gaz. vol. 193; p. 377.
- Alexander, John W., assignor of one-half to P. C. Parker, Parkersburg, W. Va. Varnish and paint remover. No. 1,051,978; Feb. 4; Gaz. vol. 187; p. 45.
- Alexander, Joseph E. G., Philadelphia, Pa. Aeroplane. No. 1,081,420; Dec. 16; Gaz. vol. 197; p. 583.
- Alexander, Julian, Philadelphia, Pa. Belt-reel. No. 1,070,762; Aug. 19; Gaz. vol. 193; p. 646.
- Alexander, Louis A., assignor to The F. Bissell Company, Toledo, Ohio. Machine for winding motors. No. 1,053,962; Feb. 25; Gaz. vol. 187; p. 837.
- Alexander Milburn Company, The. (See Jenkins, Alexander F., assignor.)
- Alexander, Milton W., Albany, and J. W. Bradshaw, assignors to Universal Brush Company, Troy, N. Y. Brush. No. 1,066,361; July 1; Gaz. vol. 192; p. 161.
- Alexander, Tony, San Francisco, Cal. Excavating-shovel. No. 1,074,538; Sept. 30; Gaz. vol. 194; p. 1100.
- Alexander, Walter, assignor to National Gum & Mica Company, New York, N. Y. Package for materials liable to be injured by exposure. No. 1,061,439; May 13; Gaz. vol. 190; p. 335.
- Alexander, William W. (See Keim and Alexander.)
- Alexander, William W., deceased, Denver, Colo.; E. T. Keim, administrator, assignor, by mesne assignments, to The Protective Signal Manufacturing Company. Circuit-closing device. No. 1,077,948; Nov. 4; Gaz. vol. 196; p. 244.
- Alexander, William W., deceased, and E. T. Keim, Denver, Colo.; said E. T. Keim, administrator, assignor, by mesne assignments, to The Protective Signal Manufacturing Company. System and apparatus for recording electric signals. No. 1,050,780; Jan. 21; Gaz. vol. 186; p. 565.
- Alexanderson, Ernst F. W., Schenectady, N. Y., assignor to General Electric Company. Alternating-current motor. No. 1,060,731; May 6; Gaz. vol. 190; p. 58.
- Alexanderson, Ernst F. W., Schenectady, N. Y., assignor to General Electric Company. Alternating-current motor. No. 1,068,404; July 29; Gaz. vol. 192; p. 997.
- Alexanderson, Ernst F. W., Schenectady, N. Y., assignor to General Electric Company. Means for compensating polyphase alternating-current commutator-motors. No. 1,080,403; Dec. 2; Gaz. vol. 197; p. 172.
- Alexandrescu, Mihail, Bucharest, Roumania. Attachment for combs. No. 1,057,109; Mar. 25; Gaz. vol. 188; p. 934.
- Alfano, Louis, Southington, Conn. Tailor's measure. No. 1,081,649; Dec. 16; Gaz. vol. 197; p. 658.
- Alford, Murray L., Lafourche Crossing, La. Gang-plow. No. 1,053,343; Feb. 18; Gaz. vol. 187; p. 590.
- Alford, William C., Hazelton, Kans. Subsoiling attachment for plows. No. 1,052,118; Feb. 4; Gaz. vol. 187; p. 95.
- Alger, Harley C., Chicago Heights, Ill. Liquid-meter. No. 1,081,083; Dec. 9; Gaz. vol. 197; p. 431.
- Alger, Hiram B. (See Mayfield and Alger.)
- Algermissen, Henry L., Prospect Hill, assignor of one-half to W. T. Farrell, St. Louis, Mo. Ball-caster. No. 1,053,895; Feb. 18; Gaz. vol. 187; p. 776.
- Aliano, Frank S., New York, N. Y. Safety appliance for hand-fed power-presses. No. 1,066,459; July 1; Gaz. vol. 192; p. 192.
- Alisy, Eugen, Chemnitz, Germany. Heilmann combing-machine. No. 1,051,362; Jan. 21; Gaz. vol. 186; p. 765.
- Alk, Samuel M., New York, N. Y. Calendar. No. 1,067,208; July 8; Gaz. vol. 192; p. 480.
- Alkemade, Jacob v. Rijn v., Balik Papan, Borneo, Dutch East India. Production of translucent uniformly-colored paraffin. No. 1,076,000; Oct. 14; Gaz. vol. 195; p. 513.
- Alkire, John L., Denver, Colo. Pencil-sharpener. No. 1,051,658; Jan. 28; Gaz. vol. 186; p. 900.
- Allan, Alexander, and T. Bowling, Wellington, New Zealand. Fire-alarm. No. 1,059,586; Apr. 22; Gaz. vol. 189; p. 872.
- Allan, Charles D., Chicago, Ill. Water-heater. No. 1,064,418; June 10; Gaz. vol. 191; p. 463.
- Allan, William N., San Antonio, Tex. Rotary engine. No. 1,053,767; Feb. 18; Gaz. vol. 187; p. 735.
- Allard, Andrew J., assignor of one-third to T. F. Green and one-third to D. R. Creecy, Jr., Richmond, Va. Electric train signaling and controlling means. No. 1,060,398; Apr. 29; Gaz. vol. 189; p. 1189.
- Allard, Andrew J., assignor of one-third to T. F. Green and one-third to D. R. Creecy, Jr., Richmond, Va. Electrical train-controlling means. No. 1,060,399; Apr. 29; Gaz. vol. 189; p. 1190.
- Allard, Andrew J., assignor of one-third to T. F. Green and one-third to D. R. Creecy, Jr., Richmond, Va. Electric train signaling and controlling means. No. 1,060,400; Apr. 29; Gaz. vol. 189; p. 1190.
- Allard, Andrew J., assignor of one-third to T. F. Green and one-third to D. R. Creecy, Jr., Richmond, Va. Electric train signaling and controlling means. No. 1,060,401; Apr. 29; Gaz. vol. 189; p. 1190.
- Allard, Andrew J., assignor of one-third to T. F. Green and one-third to D. R. Creecy, Jr., Richmond, Va. Electric train signaling and controlling means. No. 1,060,402; Apr. 29; Gaz. vol. 189; p. 1191.
- Allard, Andrew J., assignor of one-third to T. F. Green and one-third to D. R. Creecy, Jr., Richmond, Va. Electric train signaling and controlling means. No. 1,060,403; Apr. 29; Gaz. vol. 189; p. 1191.
- Allard, Andrew J., assignor of one-third to T. F. Green and one-third to D. R. Creecy, Jr., Richmond, Va. Train-controlling means. No. 1,060,404; Apr. 29; Gaz. vol. 189; p. 1192.
- Allard, Andrew J., assignor of one-third to T. F. Green and one-third to D. R. Creecy, Jr., Richmond, Va. Electric train signaling and controlling system. No. 1,060,405; Apr. 29; Gaz. vol. 189; p. 1192.
- Allard, Andrew J., assignor of one-third to T. F. Green and one-third to D. R. Creecy, Jr., Richmond, Va. Electric signal. No. 1,060,406; Apr. 29; Gaz. vol. 189; p. 1193.
- Allard, Andrew J., assignor of one-third to T. F. Green and one-third to D. R. Creecy, Jr., Richmond, Va. Electrical block-signaling system. No. 1,060,407; Apr. 29; Gaz. vol. 189; p. 1193.
- Allard, Andrew J., assignor of one-third to T. F. Green and one-third to D. R. Creecy, Jr., Richmond, Va. Electrical block-signaling system. No. 1,060,408; Apr. 29; Gaz. vol. 189; p. 1194.
- Allard, Harry W., East Orange, N. J. Device for guarding street-excavations, &c. No. 1,068,033; July 22; Gaz. vol. 192; p. 830.
- Albee, Elmer E., Arlington, N. J., assignor, by mesne assignments, to Standard Heat and Ventilation Company, Inc., New York, N. Y. Heating system. No. 1,078,761; Nov. 18; Gaz. vol. 196; p. 587.
- Allbright, William B., Chicago, Ill. Flexible beater. No. 1,071,017; Aug. 26; Gaz. vol. 193; p. 762.
- Allegheny Plate Glass Company. (See McLean, Crosby C., assignor.)

Alphabetical list of patentees—Continued.

- Allemand, Antony M., Grafton, Ill. Combined end-gate and scoop-board. No. 1,075,804; Oct. 14; Gaz. vol. 195; p. 445.
- Allemand, Arnold, assignor to Firma Schweiz. Kommissions- und Aufbewahrungs-Haus für das in- und Ausland Tomaszpolsky & Weidenfeld, Berne, Switzerland. Tachometer. No. 1,081,188; Dec. 9; Gaz. vol. 197; p. 467.
- Allemand, John. (See Kohler, Ernest, assignor.)
- Allen, Alfred C., Detroit, Mich. Pressure-controller. No. 1,077,501; Nov. 4; Gaz. vol. 196; p. 93.
- Allen, Andrews, Chicago, Ill. Sash-operating device. No. 1,055,593; Mar. 11; Gaz. vol. 188; p. 351.
- Allen, Anna B., and L. Day, New York, N. Y. Telephone set. No. 1,057,516; Apr. 1; Gaz. vol. 189; p. 41.
- Allen, Anson W., Birmingham, Ala. Furnace-port. No. 1,076,540; Oct. 21; Gaz. vol. 195; p. 729.
- Allen, Benjamin T. (See Deemer, Selder S., assignor.)
- Allen, Bennett B., and C. H. Sullivan, Mount Vernon, Ill. Elevated-railway car. No. 1,056,723; Mar. 18; Gaz. vol. 188; p. 770.
- Allen, Bertram M., Des Moines, assignor, by mesne assignments, to Diamond Manufacturing Company, Polk county, Iowa. Vulcanizer. No. 1,059,587; Apr. 22; Gaz. vol. 189; p. 872.
- Allen, Bessie W., New York, N. Y. Novelty adapted for advertising and other purposes. No. 1,071,680; Sept. 2; Gaz. vol. 194; p. 3.
- Allen-Bradley Company. (See Bradley, Lynde, assignor.)
- Allen-Bradley Company. (See Bradley, Lynde and H. L., assignors.)
- Allen, C. L., *et al.*, administrators. (See Luke and Allen.)
- Allen, Charles C., Nebraska City, Nebr., assignor to Wilson Re-Enforced Concrete Company. Reinforced concrete construction. No. 1,050,052; Jan. 7; Gaz. vol. 186; p. 249.
- Allen, Charles C., assignor to The Wilson Re-Enforced Concrete Co., Nebraska City, Nebr. Reinforced-concrete sectional pipe and culvert. No. 1,082,724; Dec. 30; Gaz. vol. 197; p. 1089.
- Allen, Charles C., and C. H. Busch, assignors to The Wilson Re-Enforced Concrete Co., Nebraska City, Nebr. Reinforced-concrete sectional pipe and culvert. No. 1,082,723; Dec. 30; Gaz. vol. 197; p. 1089.
- Allen, Charles D., New York, N. Y. Flash-light photographic apparatus. No. 1,076,091; Oct. 21; Gaz. vol. 195; p. 572.
- Allen, Charles F., New Brighton, N. Y. Producing tannin and the product. No. 1,078,893; Nov. 18; Gaz. vol. 196; p. 632.
- Allen, Charles H., and C. J. Callahan, Attleboro, Mass. Non-separable link cuff-button. No. 1,078,892; Nov. 18; Gaz. vol. 196; p. 632.
- Allen, Charles L. (See Luke and Allen.)
- Allen, Charles L., Salt Lake City, and S. C. Miles, Price, Utah. Hair-drying apparatus. No. 1,054,813; Mar. 4; Gaz. vol. 188; p. 56.
- Allen, Charley O. (See Bowles and Allen.)
- Allen, Chesley A., Sibley, La. Door-hanger. No. 1,049,638; Jan. 7; Gaz. vol. 186; p. 110.
- Allen, Edward A. and H. L., assignors, by mesne assignments, to Electron Chemical Company, Portland, Me. Electrolytic cell. No. 1,073,559; Sept. 16; Gaz. vol. 194; p. 720.
- Allen, Edward B., Bridgeport, Conn., assignor to The Singer Manufacturing Company. Buttonhole-cutting device. No. 1,083,236; Dec. 30; Gaz. vol. 197; p. 1258.
- Allen, Edward H., *et al.* (See Gilbert-Stringer and Druitt assignors.)
- Allen, Eugene S., New York, N. Y. Oven-rack. No. 1,070,314; Aug. 12; Gaz. vol. 193; p. 451.
- Allen, Eugene S., New York, N. Y. Valve for gas-burners. No. 1,079,684; Nov. 25; Gaz. vol. 196; p. 934.
- Allen, Everett P., deceased; M. A. Allen, executrix, assignor to Dole Valve Company, Chicago, Ill. Valve. No. 1,050,509; Jan. 14; Gaz. vol. 186; p. 441.
- Allen, Frank B., Salt Lake City, Utah. Clutch. No. 1,049,967; Jan. 7; Gaz. vol. 186; p. 219.
- Allen, Frank H., McNabb, Ill. Spring-wheel. No. 1,058,517; Apr. 8; Gaz. vol. 189; p. 430.
- Allen, Fred R., Providence, R. I., assignor, by mesne assignments, to National Envelope Sealing and Stamping Manufacturing Company. Moistener. No. 1,059,336; Apr. 22; Gaz. vol. 189; p. 787.
- Allen, Fred R., Providence, R. I., assignor, by mesne assignments, to National Envelope Sealing and Stamping Manufacturing Company. Stamp-affixing machine. No. 1,071,631; Aug. 26; Gaz. vol. 193; p. 967.
- Allen, Frederick J. (See Heyl and Allen.)
- Allen, Frederick L., Boise, Idaho. Eyeglasses. No. 1,068,959; July 29; Gaz. vol. 192; p. 1191.
- Allen, Frederick W. (See McGovern and Allen.)
- Allen, Friend A., assignor of one-half to J. W. Searight. Granger, Mo. Air-engine. No. 1,052,707; Feb. 11; Gaz. vol. 187; p. 326.
- Allen, Garfield A., Vertrees, Ky. Sugar-cane-boiling furnace. No. 1,054,264; Feb. 25; Gaz. vol. 187; p. 939.
- Allen, George B., Pawtucket, R. I. Automatic box and cover assembling machine. No. 1,068,034; July 22; Gaz. vol. 192; p. 830.
- Allen, George E., Philadelphia, Pa. Thread-winding machine. No. 1,067,574; July 15; Gaz. vol. 192; p. 641.
- Allen, George H., Palo Alto, Cal. Oil-burner. No. 1,053,768; Feb. 18; Gaz. vol. 187; p. 735.
- Allen, George W., Selma, Cal. Machine for making and distributing fertilizer. No. 1,053,467; Feb. 18; Gaz. vol. 187; p. 631.
- Allen, George W., Selma, Cal. Fruit-distributing trough. No. 1,063,762; June 3; Gaz. vol. 191; p. 205.
- Allen, George W., Runge, Tex. Folding umbrella. No. 1,064,588; June 10; Gaz. vol. 191; p. 520.
- Allen, Harding, Barre, Mass. Gearing. No. 1,075,280; Oct. 7; Gaz. vol. 195; p. 241.
- Allen, Harry G., Seattle, Wash. Blowpipe for welding and cutting metals. No. 1,060,409; Apr. 29; Gaz. vol. 189; p. 1194.
- Allen, Henry H., *et al.* (See Buckley, John, assignor.)
- Allen, Herbert I. (See Allen, Edward A. and H. I.)
- Allen, Horace O., Ellwood City, Pa. Hose-clamp. No. 1,049,968; Jan. 7; Gaz. vol. 186; p. 219.
- Allen, Hugh C., Maitland, Fla. Fruit-picker's sack. No. 1,066,454; July 1; Gaz. vol. 192; p. 191.
- Allen, Ira, Dansville, N. Y. Airship. No. 1,074,031; Sept. 23; Gaz. vol. 194; p. 904.
- Allen, James. (See Mason and Allen.)
- Allen, James B., and H. D. Morton, Detroit, Mich. Binding apparatus. No. 1,071,630; Aug. 26; Gaz. vol. 193; p. 967.
- Allen, James H., assignor of one-half to A. A. Core, Apalachicola, Fla. Folding umbrella. No. 1,058,213; Apr. 8; Gaz. vol. 189; p. 325.
- Allen, John A. (See O'Brien and Allen.)
- Allen, John A., assignor to A. P. O'Brien, New York, N. Y. Defibrating-machine. No. 1,076,092; Oct. 21; Gaz. vol. 195; p. 572.
- Allen, John A., Painted Post, assignor of one-fourth to W. D. Sims and one-fourth to W. A. Ferguson, Corning, N. Y. Poultry-roost. No. 1,052,553; Feb. 11; Gaz. vol. 187; p. 274.
- Allen, John D., Littleton, Colo. Milk-can. No. 1,051,183; Jan. 21; Gaz. vol. 186; p. 707.
- Allen, John E., Chicago, Ill. Airship. No. 1,082,472; Dec. 23; Gaz. vol. 197; p. 966.
- Allen, John V., Weymouth, Mass., assignor to United Shoe Machinery Company, Paterson, N. J. Pattern-generating mechanism. No. 1,064,118; June 10; Gaz. vol. 191; p. 359.
- Allen, John V., South Weymouth, and F. E. Bertrand, Swampscott, Mass., assignors to United Shoe Machinery Company, Paterson, N. J. Welt-attaching machine. No. 1,069,992; Aug. 12; Gaz. vol. 193; p. 340.
- Allen, Joseph E., assignor to Dearborn Hardware Manufacturing Company, Chicago, Ill. Vehicle-lamp. No. 1,054,162; Feb. 25; Gaz. vol. 187; p. 905.
- Allen, Lewis B., Boston, Mass. Bench-stop. No. 1,070,938; Aug. 19; Gaz. vol. 193; p. 702.
- Allen, Linus H., Battle Creek, Mich. Ink-well. No. 1,061,155; May 6; Gaz. vol. 190; p. 203.
- Allen, Louise S., Circleville, Ohio. Hanger for spring-clamps. No. 1,064,952; June 17; Gaz. vol. 191; p. 675.
- Allen, Lynn L., Atlanta, Ga. Device for making designs. No. 1,071,681; Sept. 2; Gaz. vol. 194; p. 3.
- Allen, Mary A., executrix. (See Allen, Everett P.)
- Allen, Napoleon B., New York, N. Y. Curtain-stretcher. No. 1,057,207; Mar. 25; Gaz. vol. 188; p. 967.
- Allen, Robert L., assignor to Archbold-Brady Company, Syracuse, N. Y. Steel tower. No. 1,076,856; Oct. 28; Gaz. vol. 195; p. 893.
- Allen, Robert N., Methuen, Mass., assignor to U. S. Bobbin & Shuttle Co., Providence, R. I. Hand-threading shuttle. No. 1,076,935; Oct. 28; Gaz. vol. 195; p. 922.
- Allen, Roy E., and L. G. Bollman, Adrian, Mich. Record means for watches. No. 1,056,875; Mar. 25; Gaz. vol. 188; p. 852.
- Allen, Samuel B., assignor to Gorham Manufacturing Company, Providence, R. I. Watchcase-box. No. 1,053,896; Feb. 18; Gaz. vol. 187; p. 776.
- Allen, Samuel L., Moorestown, N. J. Sled. No. 1,066,173; July 1; Gaz. vol. 192; p. 95.
- Allen, Samuel L., Moorestown, N. J. Potato-digger. No. 1,073,012; Sept. 9; Gaz. vol. 194; p. 494.
- Allen, Thomas B. (See Tone and Allen.)
- Allen, Thomas B., assignor to The Carborundum Company, Niagara Falls, N. Y. Electric furnace. No. 1,054,380; Feb. 25; Gaz. vol. 187; p. 980.
- Allen, Thomas B., assignor to The Carborundum Company, Niagara Falls, N. Y. Silicon article. No. 1,073,560; Sept. 16; Gaz. vol. 194; p. 721.
- Allen, Thomas B., and F. J. Tone, assignors to The Carborundum Company, Niagara Falls, N. Y. Treating electrometallurgical products. No. 1,061,255; May 13; Gaz. vol. 190; p. 273.
- Allen, Thomas B., and F. J. Tone, assignors to The Carborundum Company, Niagara Falls, N. Y. Manufacture of silicon. No. 1,061,256; May 13; Gaz. vol. 190; p. 273.

Alphabetical list of patentees—Continued.

- Allen, Thomas G., Westminster, London, England. Acetylene-gas generator. No. 1,079,972; Dec. 2; Gaz. vol. 197; p. 18.
- Allen, Thomas W., and M. L. Veatch, Hoquiam, Wash. Slotting-machine. No. 1,050,198; Jan. 14; Gaz. vol. 186; p. 331.
- Allen, Walker B., assignor of one-half to J. C. Keil, St. Louis, Mo. Revolving door. No. 1,066,567; July 8; Gaz. vol. 192; p. 261.
- Allen, Wayne B., Columbia, Mo. Piano-action rail. No. 1,068,398; July 22; Gaz. vol. 192; p. 955.
- Allen, Willard E., Toledo, Ohio. Bathing apparatus. No. 1,056,876; Mar. 25; Gaz. vol. 188; p. 852.
- Allen, Willard E., Toledo, Ohio. Bath-mat. No. 1,080,315; Dec. 2; Gaz. vol. 197; p. 138.
- Allen, William. (See Ashby and Allen.)
- Allen, William D., assignor to W. D. Allen Manufacturing Company, Chicago, Ill. Clasp for hose-racks. No. 1,059,100; Apr. 15; Gaz. vol. 189; p. 671.
- Allen, William G. (See Hundrup and Allen.)
- Allen, William H., Detroit, Mich. Drying hides. No. 1,075,319; Oct. 14; Gaz. vol. 195; p. 279.
- Allen, William P., Chicago, Ill. Tractor. No. 1,057,991; Apr. 1; Gaz. vol. 189; p. 203.
- Allen, William P., Little Rock, Ark. Chain-link. No. 1,063,493; June 3; Gaz. vol. 191; p. 109.
- Allen, William R., Goldengate, Ill. Land-marker. No. 1,065,097; June 17; Gaz. vol. 191; p. 724.
- Allen, William R., assignor to The American Multigraph Company, Cleveland, Ohio. Underscoring device for printing-machines. No. 1,052,201; Feb. 4; Gaz. vol. 187; p. 124.
- Allen, William R., assignor to The American Multigraph Company, Cleveland, Ohio. Type. No. 1,078,400; Nov. 11; Gaz. vol. 196; p. 433.
- Allen, William R., assignor to The American Multigraph Company, Cleveland, Ohio. Type-bar. No. 1,078,401; Nov. 11; Gaz. vol. 196; p. 433.
- Allen, William R., assignor to The American Multigraph Company, Cleveland, Ohio. Stacking mechanism. No. 1,079,089; Nov. 18; Gaz. vol. 196; p. 701.
- Allen, Wilson A., Rochester, Minn. Invalid lifter and carrier. No. 1,061,715; May 13; Gaz. vol. 190; p. 433.
- Allenson, John, assignor to St. Paul Foundry Company, St. Paul, Minn. Molding-machine. No. 1,070,223; Aug. 12; Gaz. vol. 193; p. 420.
- Allerdice, Joseph. (See Trescott, Charles P., assignor.)
- Allerton, Colin, West Homestead, Pa. Railway-tie. No. 1,078,596; Nov. 11; Gaz. vol. 196; p. 497.
- Alley, Frank R., Seattle, Wash. Commutator-slotter. No. 1,083,175; Dec. 30; Gaz. vol. 197; p. 1238.
- Alley, Stephen E., Glasgow, Scotland, and R. McGregor, London, England. Trunk-piston. No. 1,073,062; Sept. 9; Gaz. vol. 194; p. 511.
- Alley, Stephen E., Glasgow, Scotland, and R. McGregor, London, England. Automatic valve of disk form. No. 1,081,803; Dec. 16; Gaz. vol. 197; p. 710.
- Alley, William C., Kokomo, Ind. Wall-paper-trimming machine. No. 1,072,377; Sept. 2; Gaz. vol. 194; p. 240.
- Alley, William W., Alleyton, Tex. Construction of railway-beds. No. 1,070,386; Aug. 19; Gaz. vol. 193; p. 517.
- Allfree, Edwin H., and W. H. England, Chicago, Ill. De-railer. No. 1,067,294; July 15; Gaz. vol. 192; p. 547.
- Allgemeine Briкетierungs Gesellschaft m. b. H. (See Rónay, Árpád, assignor.)
- Allgemeine Elektrizitäts-Gesellschaft. (See Eller, Friedrich, assignor.)
- Alliger, William T., J. W. Gamble, Philadelphia, Pa., and G. H. Gibson, Montclair, N. J., assignors to Harrison Safety Boiler Works, Philadelphia, Pa. Water purification. No. 1,078,655; Nov. 18; Gaz. vol. 196; p. 549.
- Allingham, James, Chicago, Ill. Hydraulic and automatic waste valve for vessels. No. 1,049,328; Jan. 7; Gaz. vol. 186; p. 3.
- Allingham, James, Chicago, Ill. Waste and overflow mechanism. No. 1,049,795; Jan. 7; Gaz. vol. 186; p. 162.
- Allinio, Peter, Rust, Cal. Automatic lateral and longitudinal balance for aeroplanes. No. 1,062,074; May 20; Gaz. vol. 190; p. 591.
- Alliot, Hector, Los Angeles, Cal. Educational apparatus. No. 1,054,890; Mar. 4; Gaz. vol. 188; p. 82.
- Allis-Chalmers Company *et al.* (See Behrend, Bernard A., assignor.)
- Allis-Chalmers Company. (See Capen, Thomas W., assignor.)
- Allis-Chalmers Company. (See Cheney, Herbert W., assignor.)
- Allis-Chalmers Company *et al.* (See Fechheimer, Carl J., assignor.)
- Allis-Chalmers Company *et al.* (See Field, Allan B., assignor.)
- Allis-Chalmers Company. (See Gray, Alexander M., assignor.)
- Allis-Chalmers Company. (See Hirt, Jules H., assignor.)
- Allis-Chalmers Company. (See Knight, Earle R., assignor.)
- Allis-Chalmers Company. (See Lamb, Mark R., assignor.)
- Allis-Chalmers Company. (See Lieber, William H., assignor.)
- Allis-Chalmers Company. (See McKee, Robert A., assignor.)
- Allis-Chalmers Company. (See Newhouse, Ray C., assignor.)
- Allis-Chalmers Company. (See Patitz, Johann F. M., assignor.)
- Allis-Chalmers Company *et al.* (See Powell, William H., assignor.)
- Allis-Chalmers Company. (See Powell and Williamson, assignors.)
- Allis-Chalmers Company. (See Rotter, Max, assignor.)
- Allis-Chalmers Company. (See Schley, George B., assignor.)
- Allis-Chalmers Company. (See Stull, Emmett W., assignor.)
- Allis-Chalmers Company. (See Tomlinson, Royal D., assignor.)
- Allis-Chalmers Company. (See Williamson, Robert B., assignor.)
- Allis-Chalmers Company. (See Zimmerman, James G., assignor.)
- Allis-Chalmers Manufacturing Company. (See De Wein, George F., assignor.)
- Allis-Chalmers Manufacturing Company. (See Gray and Hintz, assignors.)
- Allis-Chalmers Manufacturing Company. (See Marcy, Frank E., assignor.)
- Allis-Chalmers Manufacturing Company. (See Powell, William H., assignor.)
- Allis-Chalmers Manufacturing Company. (See Sprado, Carl G., assignor.)
- Allis, Louis, and A. R. Wiens, Milwaukee, Wis.; said Wiens assignor to said Allis. Fly-killer. No. 1,055,998; Mar. 18; Gaz. vol. 188; p. 522.
- Allison, Andrew J., Hartshorne, Okla. Fastening device for ice-chests. No. 1,052,785; Feb. 11; Gaz. vol. 187; p. 353.
- Allison, Daniel K., assignor to The J. H. Day Company, Cincinnati, Ohio. Pan elevator and conveyer. No. 1,056,767; Mar. 25; Gaz. vol. 188; p. 815.
- Allison, Elwood C., Brooklyn, N. Y. Gas-engine starter. No. 1,063,901; June 3; Gaz. vol. 191; p. 250.
- Allison, Grover C., Louisville, Ohio. Vehicle-tire. No. 1,057,398; Apr. 1; Gaz. vol. 189; p. 3.
- Allison, James E., St. Louis, Mo., assignor to H. V. Bright, Cleveland, Ohio. Coin-controlled mechanism. No. 1,081,562; Dec. 16; Gaz. vol. 197; p. 632.
- Allison, William H., and J. J. Crawford, Rye, Colo. Pocket door and window lock. No. 1,056,618; Mar. 18; Gaz. vol. 188; p. 734.
- Allith Manufacturing Company. (See Anderson, John W., assignor.)
- Allith Manufacturing Company. (See Smith, Henry C., assignor.)
- Allman, Charles J., Idagrove, Iowa. Scraper. No. 1,055,851; Mar. 11; Gaz. vol. 188; p. 438.
- Allmänna Svenska Elektriska Aktiebolaget. (See Schrage, Hidde K., assignor.)
- Allsop, Thomas. (See Sibson and Allsop.)
- Allsop, Thomas, assignor to The Philadelphia Drying Machinery Company, Philadelphia, Pa. Conveyer for driers. No. 1,078,528; Nov. 11; Gaz. vol. 196; p. 474.
- Allsop, Thomas, and W. W. Sibson, assignors to The Philadelphia Drying Machinery Company, Philadelphia, Pa. Automatic air-current reverser for drying-machines. No. 1,049,969; Jan. 7; Gaz. vol. 186; p. 219.
- Allsopp, Joseph, Charleroi, assignor to The Macbeth-Evans Glass Company, Pittsburgh, Pa. Glass-grinding apparatus. No. 1,076,012; Oct. 21; Gaz. vol. 195; p. 545.
- Allum, Arthur E., New York, N. Y. Tubular waistband. No. 1,077,250; Nov. 4; Gaz. vol. 196; p. 3.
- Allwine, Eugene E. (See Roberts, Robert R., assignor.)
- Allyn, Walter S., assignor of one-half to T. G. Puckett, Thompsonville, Ill. Wrench. No. 1,058,838; Apr. 15; Gaz. vol. 189; p. 579.
- Allyn, Walter S., assignor of one-half to T. G. Puckett, Thompsonville, Ill. Spring-wheel. No. 1,069,663; Aug. 12; Gaz. vol. 193; p. 227.
- Alma Manufacturing Company of Baltimore City. (See Ayer, Luther S., assignor.)
- Alma Manufacturing Company of Baltimore City. (See Greenebaum, Abraham H., assignor.)
- Alma Manufacturing Company of Baltimore City. (See Hartmann, Emil, assignor.)
- Alma Manufacturing Company of Baltimore City. (See Hillegeist, Henry L., assignor.)
- Alma Manufacturing Company of Baltimore City. (See Kerngood, Herman, assignor.)
- Almansa, Dionisio L., Nuevitas, Cuba. Necktie-holder. No. 1,067,634; July 15; Gaz. vol. 192; p. 662.
- Almen, John O., assignor to Continental Computing Cash Register Company, Spokane, Wash. Calculating-machine. No. 1,060,878; May 6; Gaz. vol. 190; p. 109.
- Alphin, Christopher, assignor to E. P. Webb, Kinston, N. C. Shade and curtain hanger. No. 1,061,968; May 20; Gaz. vol. 190; p. 555.

Alphabetical list of patentees—Continued.

- Alphin, Gilbert E., Mount Olive, N. C. Combined shade-roller and curtain-pole support. No. 1,075,182; Oct. 7; Gaz. vol. 195; p. 204.
- Alphons Custodis Chimney Construction Company. (See Weber, Carl, assignor.)
- Alsberg, Priscilla, New York, N. Y. Window-cleaning device. No. 1,068,202; July 22; Gaz. vol. 192; p. 887.
- Alsenz, Julius, Palisades Park, N. J., assignor to Cushman & Denison Manufacturing Company, New York, N. Y. Time-stamp. No. 1,076,258; Oct. 21; Gaz. vol. 195; p. 627.
- Alsop Electrical Company. (See Alsop, James N., assignor.)
- Alsop, James N., assignor to Alsop Electrical Company, Owensboro, Ky. Producing gas. No. 1,060,410; Apr. 29; Gaz. vol. 189; p. 1195.
- Alsop Process Company. (See Elliott, Bruce S., assignor.)
- Alspach, Oscar D., assignor of one-half to J. H. Goldcamp, Lancaster, Ohio. Gearing. No. 1,053,692; Feb. 18; Gaz. vol. 187; p. 709.
- Alspaugh, Oscar, Kinsley, Kans. Oil-burner. No. 1,056,142; Mar. 18; Gaz. vol. 188; p. 571.
- Alsten & Goulding Company. (See Laforce, Joseph E., assignor.)
- Alsterberg, Henning, St. Paul, Minn. Combined self-cleaning filter and faucet. No. 1,081,563; Dec. 16; Gaz. vol. 197; p. 632.
- Alston, Charles H. T., and P. T. Houston, London, England. Internal-combustion engine. No. 1,068,379; July 22; Gaz. vol. 192; p. 949.
- Alston, Charles H. T., county of Chester, and P. T. Houston, London, England. Gas-producer. No. 1,074,032; Sept. 23; Gaz. vol. 194; p. 905.
- Alston, Charles H. T., county of Chester, and P. T. Houston, London, England. Apparatus for regulating the supply of steam to gas-producers. No. 1,078,480; Nov. 11; Gaz. vol. 196; p. 458.
- Alston, John S., Atlantic City, N. J. Closure for bottles. No. 1,059,101; Apr. 15; Gaz. vol. 189; p. 671.
- Alsop, Thomas B., Canadian, Tex. Beam-spring trip for cultivators, plows, &c. No. 1,068,832; July 29; Gaz. vol. 192; p. 1146.
- Altenhoff, Eduard, Oberhausen, Germany. Pneumatic rock-drill. No. 1,079,735; Nov. 25; Gaz. vol. 196; p. 953.
- Alter, Christian, New York, N. Y. Pneumatic action. No. 1,051,304; Jan. 21; Gaz. vol. 186; p. 747.
- Alter, Christian, New York, N. Y. Razor-blade sharpener. No. 1,060,657; May 6; Gaz. vol. 190; p. 31.
- Altfuldisch, Aimee H., Cairo, Ill. Embroidery-frame. No. 1,077,211; Oct. 28; Gaz. vol. 195; p. 1011.
- Altgelt, Rudolph J., and C. F. Carlson, assignors to Oliver Chilled Plow Works, South Bend, Ind. Plow. No. 1,082,672; Dec. 30; Gaz. vol. 197; p. 1071.
- Althouse, Charles S., Reading, Pa. Apparatus for treating threads. No. 1,061,652; May 13; Gaz. vol. 190; p. 411.
- Althouse, Isaac P., Quarryville, Pa. Railway-rail fastening. No. 1,053,264; Feb. 18; Gaz. vol. 187; p. 562.
- Altman, Charles, Wilber, Nebr. Vehicle-wheel. No. 1,051,053; Jan. 21; Gaz. vol. 186; p. 663.
- Altman, George M., Parkers Landing, Pa. Fence-gap fastener. No. 1,073,063; Sept. 9; Gaz. vol. 194; p. 511.
- Altman, Harry P., Collinsville, Ill. Jig. No. 1,061,581; May 13; Gaz. vol. 190; p. 387.
- Altman, John W. (See Johnson, William M., assignor.)
- Altman, Joshua J., Pinemount, Fla. Wheel-hub. No. 1,051,184; Jan. 21; Gaz. vol. 186; p. 707.
- Altman, William O., assignor of one-fourth to J. A. Johnson, Kane, Pa. Fuel-gas mixer. No. 1,053,143; Feb. 18; Gaz. vol. 187; p. 521.
- Altmann, Frank C., assignor to The English & Mersick Co., New Haven, Conn. Latch. No. 1,074,340; Sept. 30; Gaz. vol. 194; p. 1036.
- Altmann, Friedrich, Breslau, Germany. Machine for making paper-lined pasteboard boxes. No. 1,080,039; Dec. 2; Gaz. vol. 197; p. 42.
- Altmann, Joseph, and M. Gilgenberg, Kattowitz, Germany. Lubricating-axle. No. 1,052,638; Feb. 11; Gaz. vol. 187; p. 304.
- Altmos, Jacob, Cleveland, Ohio. Water-heater. No. 1,069,841; Aug. 12; Gaz. vol. 193; p. 289.
- Alton, Charles G., Hartwell, Ohio. Composition of matter for making briquets of fragments of metal. No. 1,075,135; Oct. 7; Gaz. vol. 195; p. 188.
- Altop, Ray, assignor of one-half to H. L. Raiff, Columbus, Mont. Nut-lock. No. 1,063,763; June 3; Gaz. vol. 191; p. 205.
- Altorfer, Alpheus W., Roanoke, assignor to Power Washing Machine Co., Peoria, Ill. Driving mechanism. No. 1,066,070; July 1; Gaz. vol. 192; p. 59.
- Altorfer, Alpheus W., Roanoke, assignor to Power Washing Machine Co., Peoria, Ill. Driving mechanism. No. 1,078,402; Nov. 11; Gaz. vol. 196; p. 433.
- Altwein, Oscar R., assignor to Peck, Stow & Wilcox Company, Southington, Conn. Separable square. No. 1,064,953; June 17; Gaz. vol. 191; p. 676.
- Aluminum Goods Mfg. Company. (See Grover, Henry, Jr., assignor.)
- Aluminum-Industrie-Aktien-Gesellschaft. (See Moscicki and Jabczynski, assignors.)
- Alverson, Ralph L., Madrid, Iowa. Coal-hod attachment. No. 1,082,483; Dec. 30; Gaz. vol. 197; p. 1003.
- Alveson, Loman A. (See Avery and Alvesson.)
- Alveson, Magnus C. (See Avery and Alvesson.)
- Alvey-Ferguson Company, The. (See Bernheim, Morris U., assignor.)
- Alvey-Ferguson Company, The. (See Fletcher, Randell H., assignor.)
- Alwin Manufacturing Company. (See McGill, Albert E., assignor.)
- Alvea, Courtland P., assignor of one-half to G. W. Spaulding and one-half to C. N. Griffin, Jacksonville, Fla. Explosive-engine. No. 1,061,653; May 13; Gaz. vol. 190; p. 412.
- Amacher, Jake, Cullom, Ill. Bag-measuring apparatus. No. 1,072,897; Sept. 9; Gaz. vol. 194; p. 453.
- Amadeo, Paul, Shenandoah, Pa. Combination match-lighter and cigar-clipper. No. 1,067,209; July 8; Gaz. vol. 192; p. 481.
- Amadeo, Paul, Shenandoah, Pa. Mail-box. No. 1,082,787; Dec. 30; Gaz. vol. 197; p. 1112.
- Amann, John J. (See Jennings, Phillip S., assignor.)
- Amato, Joseph, New York, N. Y. Combined trousers-stretcher and coat-hanger. No. 1,080,402; Dec. 2; Gaz. vol. 197; p. 172.
- Amberger, Conrad. (See Paal and Amberger.)
- Ambler, Arthur A., Middletown, Ohio, assignor to The American Rolling Mill Co., Newark, N. J. Nesting culvert. No. 1,082,578; Dec. 30; Gaz. vol. 197; p. 1038.
- Ambler, George A., Winchester, Mass., assignor to United Shoe Machinery Company, Paterson, N. J. Wire-feeding mechanism. No. 1,072,803; Sept. 9; Gaz. vol. 194; p. 417.
- Ambler, Joseph B., Cadillac, Mich. Carriage-top. No. 1,061,031; May 6; Gaz. vol. 190; p. 164.
- Amborn, George, Chapinville, Conn., assignor to J. H. Williams & Co., Brooklyn, N. Y. Chain pipe-vise. No. 1,054,661; Mar. 4; Gaz. vol. 188; p. 3.
- Amborn, George, Chapinville, Conn., assignor to J. H. Williams & Co., Brooklyn, N. Y. Chain pipe-vise or the like. No. 1,054,662; Mar. 4; Gaz. vol. 188; p. 3.
- Amborn, George, Chapinville, Conn., assignor to J. H. Williams & Co., Brooklyn, N. Y. Chain pipe-vise or the like. No. 1,054,663; Mar. 4; Gaz. vol. 188; p. 4.
- Amborn, George, Chapinville, Conn., assignor to J. H. Williams & Co., Brooklyn, N. Y. Chain pipe-vise or the like. No. 1,054,664; Mar. 4; Gaz. vol. 188; p. 4.
- Amborn, George, Chapinville, Conn., assignor to J. H. Williams & Co., Brooklyn, N. Y. Chain pipe-vise or the like. No. 1,054,665; Mar. 4; Gaz. vol. 188; p. 4.
- Amborn, George, Chapinville, Conn., assignor to J. H. Williams & Co., Brooklyn, N. Y. Chain pipe-vise or the like. No. 1,054,958; Mar. 4; Gaz. vol. 188; p. 103.
- Amborn, George, Chapinville, Conn., assignor to J. H. Williams & Co., Brooklyn, N. Y. Lathe-clamp or the like. No. 1,057,610; Apr. 1; Gaz. vol. 189; p. 74.
- Ambrette, Conrad. (See Cevasco, Cavnaro, and Ambrette.)
- Ambrose, Harry T. (See Donning, George W., assignor.)
- Ambrose, Harry T. (See Walter, Edward C., assignor.)
- Ambruster, Cornelius, Roslyn, Pa. Laminated contact-brush. No. 1,078,656; Nov. 18; Gaz. vol. 196; p. 549.
- Ambruster, Joseph, Freeport, Ill. Tank and heater. No. 1,060,658; May 6; Gaz. vol. 190; p. 32.
- Ambursen Hydraulic Construction Company. (See Ambursen, Nils F., assignor.)
- Ambursen, Nils F., Brookline, assignor to Ambursen Hydraulic Construction Company, Boston, Mass. Dam and constructing the same. No. 1,054,163; Feb. 25; Gaz. vol. 187; p. 905.
- Ambursen, Nils F., Brookline, assignor to Ambursen Hydraulic Construction Company, Boston, Mass. Cofferdam. No. 1,077,212; Oct. 28; Gaz. vol. 195; p. 1012.
- Amen, Charles L., Carthage, S. D. Grain-cleaner. No. 1,061,971; May 20; Gaz. vol. 190; p. 556.
- Amendola, Thomas, Pawtucket, R. I. Truss. No. 1,081,189; Dec. 9; Gaz. vol. 197; p. 467.
- American Addressabak Company. (See Hazel, George W., assignor.)
- American Air Cleaning Company. (See Matchette and Moukos, assignors.)
- American Arch Company. (See Moore, Charles B., assignor.)
- American Asphaltum and Rubber Co. (See Rawstron, Donald, assignor.)
- American Automatic Advertising Co., The. (See Braun, Charles A., assignor.)
- American Automatic Press Company. (See Rea, Edward J. F., assignor.)
- American Automatic Press Company. (See Rea and Clark, assignors.)
- American Automatic Shoe Polishing Machine Co., The. (See Oliver and Ohlgart, assignors.)
- American Automatic Switch Company. (See Collins, Roy V., assignor.)
- American Automotoneer Company. (See Eversole, Cyrus P., assignor.)
- American Bar Lock Company. (See Mulford, Logan W., assignor.)

Alphabetical list of patentees—Continued.

- American Blower Company. (See Still, Frederick R., assignor.)
 American Blower Company. (See Treat, Charles H., assignor.)
 American Bottle Cap Company. (See Schmitt, Edward D., assignor.)
 American Bottle Company, The. (See Lamb, Thomas F., assignor.)
 American Box Ball Company, The. (See Talbert, Daniel H., assignor.)
 American Brake Shoe & Foundry Company. (See Cook, George, assignor.)
 American Brake Shoe & Foundry Company. (See Gallagher, Joseph D., assignor.)
 American Brake Shoe & Foundry Company. (See Gallagher and Jones, assignors.)
 American Brake Shoe & Foundry Company. (See Harris, Joseph O., assignor.)
 American Brake Shoe & Foundry Company. (See Jones, Harry, assignor.)
 American Brass Company, The. (See Isbell, Howard L., assignor.)
 American Button Company. (See Goerdes, Frederick W., assignor.)
 American Can Company. (See Buckley, Alfred H., assignor.)
 American Can Company. (See Carnes, Edward W., assignor.)
 American Can Company. (See Downing, Charles, assignor.)
 American Can Company. (See Fuhrmann, Charles P., assignor.)
 American Can Company. (See Graf, Henry, assignor.)
 American Can Company. (See Johnson, Axel, assignor.)
 American Can Company. (See Laskey, Walden L., assignor.)
 American Can Company. (See Murphy, Frank, assignor.)
 American Can Company. (See Odquist, Victor, assignor.)
 American Can Company. (See Rudolph, Frank, assignor.)
 American Can Company. (See Schenck, John E., assignor.)
 American Can Company. (See Sharp, Lee C., assignor.)
 American Can Company. (See Stollberg, Charles, assignor.)
 American Can Company. (See Taylor, William E., assignor.)
 American Can Company. (See Tevander, Swan, assignor.)
 American Can Company. (See Young, John M., assignor.)
 American Car and Foundry Company. (See Ames, John M., assignor.)
 American Car and Foundry Company. (See Barrows, Donald S., assignor.)
 American Car and Foundry Company. (See Bateman, Paul, assignor.)
 American Car and Foundry Company. (See Cherbonnier, George C., assignor.)
 American Car and Foundry Company. (See Cooper, James J., assignor.)
 American Car and Foundry Company. (See Harrington, Clement G., assignor.)
 American Car and Foundry Company. (See Hartbauer, August W. L., assignor.)
 American Car and Foundry Company. (See Hartbauer and Sparks, assignors.)
 American Car and Foundry Company, The. (See Johnson and Sheffer, assignors.)
 American Car and Foundry Company. (See McDonald, William J., assignor.)
 American Car and Foundry Company. (See Ostrander, Allen E., assignor.)
 American Car and Foundry Company. (See Price, Charles W., assignor.)
 American Car and Foundry Company. (See Rohlfing, John M., assignor.)
 American Car and Foundry Company. (See Scott, George W., assignor.)
 American Car and Foundry Company. (See Seymour, George E., assignor.)
 American Car and Foundry Company. (See Sparks and Hartbauer, assignors.)
 American Car and Foundry Company. (See Summa, Victor M., assignor.)
 American Car and Foundry Company. (See Voss, William, assignor.)
 American Car and Foundry Company. (See Weisbrod, Jacob H., assignor.)
 American Car and Foundry Company. (See Willoughby, Victor, assignor.)
 American Carbon & Battery Company. (See Fenoughty, William H., assignor.)
 American Case & Register Company, The. (See Peterson, Fredolf, assignor.)
 American Cash Register Company, The. (See Wells, Byron B., assignor.)
 American Cement Tile Manufacturing Company. (See Freund, Joseph, assignor.)
 American Cement Tile Manufacturing Company. (See Myers and Freund, assignors.)
 American Circular Loom Company. (See Hubert, Theodore, assignor.)
 American Circular Loom Company. (See Lutz, George A., assignor.)
 American Combustion Company. (See Stringham, John H., assignor.)
 American Conduit Manufacturing Company. (See Murphy, Daniel H., assignor.)
 American Cork and Seal Company. (See Keller, Albert K., assignor.)
 American Cotton Oil Company. (See Boyce, James, assignor.)
 American Couch Company. (See Plunkett, Charles L., assignor.)
 American Cutlery Company. (See Kent, Burton M., assignor.)
 American Cyanamid Company. (See Frank, Albert R., assignor.)
 American Cystoscope Makers. (See Wappler, Reinhold H., assignor.)
 American Dan Stopper Company. (See Müller, Friedrich, assignor.)
 American Diamalt Co., The. (See Schulhof, Leo, assignor.)
 American District Telegraph Company. (See Hoge, Joseph F. D., assignor.)
 American District Telegraph Company, The. (See Hopkins, Richard M., assignor.)
 American Drainage Company. (See Appelmann, Erastus W., assignor.) (Reissue.)
 American Electric Company. (See Temple and Goodrum, assignors.)
 American Electric Smelting and Engineering Company. (See Greene, Albert E., assignor.)
 American Electrical Heater Company. (See Hoffmann, William F., assignor.)
 American Electrical Heater Company. (See Kuhn, Frank, assignor.)
 American Electrical Heater Company. (See Kuhn and Shailor, assignors.)
 American Electrical Works. (See Anderson, Charles E., assignor.)
 American Elementary Electric Company. (See Engle, George S., assignor.)
 American Encaustic Tiling Company. (See Stanbery, George A., assignor.)
 American Engineering Company. (See Silander, Jacob T., assignor.)
 American Evaporator Company. (See Dunn, Joseph E., assignor.)
 American Ever Ready Company. (See Joline, Benjamin F., assignor.)
 American Ever Ready Company. (See Zachmann, William H., assignor.)
 American Farm Gate Company. (See Brace, George B., assignor.)
 American Flexible Slate and Covering Co. (See Ruschhaupt, Frederick M., assignor.)
 American Folding Machine Company, The. (See Pejauo, Albert D., assignor.)
 American Foundry & Furnace Co. (See Frost, Nathaniel, assignor.)
 American Foundry and Manufacturing Company, The. (See Ebert, Harry, assignor.)
 American Fruit Machinery Company. (See Lundin, Trued B., assignor.)
 American Furnace Device Co., The. (See Bolgiano, John, assignor.)
 American Gasaccumulator Company. (See Dalén, Gustaf, assignor.)
 American Gasol Company. (See Snelling, Walter O., assignor.)
 American Generator Company. (See Wood and Wilson, assignors.)
 American Goldy Stopper Company. (See Goltstein, Ewald, assignor.)
 American Graphophone Company. (See Emerson, Victor H., assignor.)
 American Graphophone Company. (See Emerson and Manwaring, assignors.)
 American Graphophone Company. (See Macdonald, Thomas H., assignor.)
 American Graphophone Company *et al.* (See Mertz, Oscar E., assignor.)
 American Hardware Corporation, The. (See Arens, August, assignor.)
 American Hardware Corporation, The. (See Henry, William K., assignor.)
 American Hardware Corporation, The. (See Johnson, Charles E., assignor.)
 American Hardware Corporation, The. (See Smyser, Louis B., assignor.)
 American Hardware Corporation, The. (See Stone, Elmer B., assignor.)
 American Hardware Corporation, The. (See Svenson, Charles W., assignor.)
 American Hardware Corporation, The. (See Volght and Hurd, assignors.)
 American Hardware Corporation, The. (See Wessoleck, Augustus W., assignor.)

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- American Hoist & Derrick Company. (See Crosby, Oliver, assignor.)
 American Key Can Company. (See McColl, Francis P., assignor.)
 American Lacing Hook Co. (See Havener, Arthur R., assignor.)
 American Lady Corset Company. (See Kinder, Garrett A., assignor.)
 American Laundry Machinery Company. (See Binder, Gottlob, assignor.)
 American Laundry Machinery Company, The. (See Cooper, Daniel M., assignor.)
 American Laundry Machinery Company. (See Kelso, James E., assignor.)
 American Laundry Machinery Company, The. (See Roost, Richard, assignor.)
 American Lithographic Co. (See Intemann, William, assignor.)
 American Lithographic Company. (See Carter, Willis M., assignor.)
 American Machine Company. (See Smith, John C., assignor.)
 American Machine & Foundry Company. (See Smith, Elberon D., assignor.)
 American Machine & Manufacturing Company. (See Davidson, Joseph, assignor.)
 American Machine and Manufacturing Company. (See Kennedy, Alfred D., assignor.)
 American Manufacturing Company. (See Carpenter, Kenneth G., assignor.)
 American Mausoleum Company, The. (See King, James B., assignor.)
 American Metal Cap Company. (See Hammer, Charles, assignor.)
 American Mono Service Company. (See Taylor, Elmer Z., assignor.)
 American Motors Company. (See Kallbon, Walter M., assignor.)
 American Multigraph Company, The. (See Allen, William R., assignor.)
 American Multigraph Company, The. (See Gammeter, Harry C., assignor.)
 American Multigraph Company, The. (See Gilbert, Charles E., assignor.)
 American Multigraph Company, The. (See Mann, William, assignor.)
 American Multigraph Company, The. (See Osborn, Henry C., assignor.)
 American Multigraph Company, The. (See Trundle, George T., assignor.)
 American Multigraph Company, The. (See Zeitz, John J., assignor.)
 American Nicotine Company. (See Gloystein, Christian F., assignor.)
 American Nitrogen Company. (See Rankin, Harry D., assignor.)
 American Optical Company. (See Baker, Nelson M., assignor.)
 American Optical Company. (See Day, George H., assignor.)
 American Optical Company. (See Devine, William P., assignor.)
 American Optical Company. (See Morrissey, James T., assignor.)
 American Optical Company. (See Tully, George L., assignor.)
 American Paper Bottle Company, The. (See Heyl, Henry R., assignor.)
 American Paper Goods Company, The. (See Cooley, Henry B., assignor.)
 American Perfectile Company, The. (See Reyam and Du Pont, assignors.)
 American Pin Company. (See Babin and Miserez, assignors.)
 American Pin Company. (See Willetts, William R., assignor.) (Reissue.)
 American Piston Ring Company. (See Wenzel, Albert W., assignor.)
 American Planograph Company. (See Cornwall, George R., assignor.)
 American Pneumatic Action Company. (See Turney, Eugene T., assignor.)
 American Pneumatic Service Company. (See Ames, William H., assignor.)
 American Pneumatic Service Company. (See Bemis, Thomas, assignor.)
 American Pneumatic Service Company. (See Fordyce, Edmund A., assignor.)
 American Radiator Company. (See Sutton, William S., assignor.)
 American Railway Signal Company, The. (See Abernethy, Harry M., assignor.)
 American Road Machine Company. (See Philips, Edwin S., assignor.)
 American Rolling Mill Co., The. (See Ambler, Arthur A., assignor.)
 American Rolling Mill Company, The. (See Charls, George H., assignor.)
 American Rolling Mill Company, The. (See Du Chemin, William P., assignor.)
 American Rotary Valve Company. (See Moorhead, Albert E., assignor.)
 American Safety Appliance Company, The. (See Asbury, William, assignor.)
 American Safety Fender Company. (See Nelson and Flateboe, assignors.)
 American Sales Book Company. (See Bottle, Edward K., assignor.)
 American Sanitary Works. (See Florey, Tilghman J., assignor.)
 American Sanitary Works. (See Tilden, Bert O., assignor.)
 American Saw Mill Machinery Company. (See Richards and Hueber, assignors.)
 American Seeding Machine Company, The. (See Jones, Sylvester H., assignor.)
 American Seeding Machine Company, The. (See Jones and Christman, assignors.)
 American Seeding Machine Company, The. (See Packham, Frank R., assignor.)
 American Seeding Machine Company, The. (See Packham and Braley, assignors.)
 American Shade Machine Company. (See Colpitts, Calvin N., assignor.)
 American Sheet & Tin Plate Company. (See McPetridge, Joseph, assignor.)
 American Shop Equipment Co. (See Lunger, Waldo G., assignor.)
 American Sign Company. (See Bambeck, Edward, assignor.)
 American Sign Company. (See Burleigh, James K., assignor.)
 American Silencer Company. (See Collins, Patrick J., assignor.)
 American Slicing Machine Company. (See Luschka, August R., assignor.)
 American Slicing Machine Company. (See Wolff, Wallace B., assignor.)
 American Soda Fountain Company. (See Wheildon, William M., assignor.)
 American Speed Indicator Company. (See Kenney, Charles H., assignor.)
 American Stamp & Ticket Vending Machine Co. (See Angerstein, Hermann, assignor.)
 American Steel Foundries. (See Davis, James C., assignor.)
 American Steel Foundries. (See Fletcher and Brown, assignor.)
 American Steel Foundries. (See Floyd, George G., assignor.)
 American Steel Foundries. (See Janney, Robert E. L., assignor.)
 American Steel Foundries. (See Kinne, Edmund P., assignor.)
 American Steel Foundries. (See Stearns, Walter A., assignor.)
 American Steel & Wire Company of New Jersey, The. (See Faber, William M., assignor.)
 American Steel & Wire Company of New Jersey, The. (See Harter, Noah S., assignor.)
 American Steel and Wire Company of New Jersey, The. (See Kilmer, William A., assignor.)
 American Steel and Wire Company of New Jersey, The. (See Smith, George H., assignor.)
 American Steel and Wire Company of New Jersey, The. (See Sprague and Cocker, assignors.)
 American Steel & Wire Company, of New Jersey, The. (See Sturdevant, Charles R., assignor.)
 American Steel and Wire Company of New Jersey, The. (See Young, Jacob E., assignor.)
 American Stopper Company. (See Corey, Harry R., assignor.)
 American Stove Company. (See Blackford, Atwell J., assignor.)
 American Stove Company. (See Boekenkamp, Edward, assignor.)
 American Stove Company. (See Fritz, Herman C., assignor.)
 American Stove Company. (See Meacham, Benjamin E., assignor.)
 American Stove Company. (See Munzner, Charles, assignor.)
 American Stove Company. (See Possons, Minard A., assignor.)
 American Street Lighting Company. (See Newbold, Eugene S., assignor.)
 American Sugar Refining Company. (See Keppler, Theodore L., assignor.)
 American Tag Company. (See Ward, William A., assignor.)
 American Telephone and Telegraph Company. (See Barrows, Leon D., assignor.)
 American Telephone and Telegraph Company. (See Blackwell and Anderegg, assignors.)
 American Telephone and Telegraph Company. (See Blauvelt, William G., assignor.)
 American Telephone and Telegraph Company. (See Blauvelt and Molina, assignors.)
 American Telephone and Telegraph Company. (See Browne, Sidney H., assignor.)

Alphabetical list of patentees—Continued.

- American Telephone and Telegraph Company. (See Fay and Molina, assignors.)
- American Telephone and Telegraph Company. (See Kite, Isidor, assignor.)
- American Thread Company, The. (See Mackie, John.)
- American Tire Armor Company. (See Ryan, John T., assignor.)
- American Tire Company. (See Dees, Mark A. and T. M., assignors.)
- American Tire Company. (See McLeod, Nelson W., assignor.)
- American Tobacco Company, The. (See Tuttle, Washington I., assignor.)
- American Tool & Machine Company. (See Dinkel, George, assignor.)
- American Tool Works Company, The. (See Jantsch, Richard, assignor.)
- American Tool Works Company, The. (See Sosa, Augustus M., assignor.)
- American Type Founders Company. (See Benton, Linn B., assignor.)
- American Wagon Company. (See Melrose and Overshiner, assignors.)
- American Warp Drawing Machine Company. (See Hathaway and Lea, assignors.)
- American Watch Tool Company. (See Holman, Leslie A., assignor.)
- American Water-Supply Company of New England. (See Whitney, Edwin H., assignor.)
- American Well Works, The. (See Chapman, Matthew T., assignor.)
- American Wire Fabric Company, The. (See Christian, Madison L., assignor.)
- American Wood Working Machinery Co. (See Noble, Willard M., assignor.)
- American Wood Working Machinery Co. (See Perkins, Hiram A., assignor.)
- American Wood Working Machinery Co. (See Shollenberger, Darius W., assignor.)
- Ames, Arthur N., assignor to A. N. Ames Knitting Machine Co., Franklin, N. H. Knitting-machine. No. 1,052,877; Feb. 11; Gaz. vol. 187; p. 384.
- Ames, Arthur R. (See Goldblatt, Edward J., assignor.)
- Ames, Butler, Lowell, Mass. Apparatus employed in flight through the air. No. 1,051,659; Jan. 28; Gaz. vol. 186; p. 900.
- Ames, Butler, Lowell, Mass. Generator for ignition purposes. No. 1,076,806; Oct. 28; Gaz. vol. 195; p. 875.
- Ames, Butler, Lowell, and A. Harrison, Dracut, Mass. Stop-motion for cotton roving and spinning frames. No. 1,075,136; Oct. 7; Gaz. vol. 195; p. 188.
- Ames, Henry H., Great Bend, Kans. Liquid-fuel burner. No. 1,063,147; May 27; Gaz. vol. 190; p. 988.
- Ames, Joel, Montrose, assignor of one-sixth to L. C. Miller, Keokuk, one-sixth to E. Leech, Montrose, and one-sixth to T. S. Robinson, Farmington, Iowa. Train-control system. No. 1,053,693; Feb. 18; Gaz. vol. 187; p. 709.
- Ames, John M., New York, N. Y., assignor to American Car and Foundry Company, St. Louis, Mo. Underframe for railway-cars. No. 1,052,639; Feb. 11; Gaz. vol. 187; p. 304.
- Ames, John M., New York, N. Y., assignor to American Car and Foundry Company, St. Louis, Mo. Underframe. No. 1,066,568; July 8; Gaz. vol. 192; p. 261.
- Ames, John M., Dongan Hills, N. Y., assignor to American Car and Foundry Company, St. Louis, Mo. Carline. No. 1,066,569; July 8; Gaz. vol. 192; p. 261.
- Ames, John M., Dongan Hills, N. Y., assignor to American Car and Foundry Company, St. Louis, Mo. Truss-rod anchor. No. 1,078,235; Nov. 11; Gaz. vol. 196; p. 372.
- Ames, Matthew H., U. S. Navy. Internal-combustion engine. No. 1,069,664; Aug. 12; Gaz. vol. 193; p. 227.
- Ames Steel Lath Company. (See Curtis, Lewis E., assignor.)
- Ames, William H., Easton, Mass., assignor to American Pneumatic Service Company, Dover, Del. Valve for pneumatic-despatch-tube apparatus. No. 1,052,554; Feb. 11; Gaz. vol. 187; p. 274.
- Amesbury, James H., Philadelphia, Pa. Corrugating-machine. No. 1,051,660; Jan. 28; Gaz. vol. 186; p. 901.
- Amet, Edward H., Redondo Beach, Cal. Combination apparatus for synchronizing motion and sound reproductions. No. 1,065,576; June 24; Gaz. vol. 191; p. 923.
- Amidon, William S. (See Merrell and Amidon.)
- Amidon, William S., assignor to National Wrapping Machine Company, Milwaukee, Wis. Sheet-feeding mechanism. No. 1,058,706; Apr. 15; Gaz. vol. 189; p. 531.
- Amidon, Willis V., et al. (See Getman, Richard M., assignor.)
- Amies Asphalt Company, The. (See Amies, Joseph H., assignor.)
- Amies, Joseph H., Philadelphia, Pa., assignor to Amies Asphalt Company. Manufacturing a composition for paving and like purposes. No. 1,062,686; May 27; Gaz. vol. 190; p. 837.
- Amies, Joseph H., assignor to The Amies Asphalt Company, Philadelphia, Pa. Road and street surfacing. No. 1,082,478; Dec. 23; Gaz. vol. 197; p. 968.
- Amman, Simon E., Piqua, Ohio. Attachment for mills. No. 1,060,411; Apr. 29; Gaz. vol. 189; p. 1195.
- Ammann, John A., Geneva, Iowa. Mail-box. No. 1,060,659; May 6; Gaz. vol. 190; p. 32.
- Ammerman, Wesley, assignor of one-half to T. Berry, Franklin, Tenn. Carriage-return mechanism. No. 1,082,063; Dec. 23; Gaz. vol. 197; p. 828.
- Ammons, Ralph W., Los Angeles, Cal. Combined medical applicator and dilator. No. 1,050,591; Jan. 14; Gaz. vol. 186; p. 469.
- Amos, Richard W., Paterson, N. J., assignor to National Purification Company, New York, N. Y. Electrical purification apparatus. No. 1,069,993; Aug. 12; Gaz. vol. 193; p. 340.
- Amoth, Theodore C., Madison, Wis. Horseshoe. No. 1,081,564; Dec. 16; Gaz. vol. 197; p. 632.
- Amphion Piano Player Company. (See Doman, Lewis B., assignor.)
- Amsbary, William N., Los Angeles, Cal. Refrigerating apparatus. No. 1,056,964; Mar. 25; Gaz. vol. 188; p. 883.
- Amsbary, William N., Los Angeles, Cal. Refrigerating apparatus. No. 1,063,312; June 3; Gaz. vol. 191; p. 48.
- Amsden, George A., Littleton, Mass., assignor to Lamson Company, Newark, N. J. Cable-carrier apparatus. No. 1,065,893; June 24; Gaz. vol. 191; p. 1029.
- Amsden, George A., Littleton, Mass., assignor to The Lamson Company, Newark, N. J. Locking device for carriers. No. 1,071,018; Aug. 26; Gaz. vol. 193; p. 762.
- Amsden, George A., Littleton, Mass., assignor to The Lamson Company, Newark, N. J. Cable-carrier apparatus. No. 1,076,936; Oct. 28; Gaz. vol. 195; p. 922.
- Amsden, George A., Littleton, Mass., assignor to The Lamson Company, Newark, N. J. Cable-carrier apparatus. No. 1,076,937; Oct. 28; Gaz. vol. 195; p. 923.
- Amsler, Walter O., Pittsburgh, Pa. Gas-producer. No. 1,077,578; Nov. 4; Gaz. vol. 196; p. 117.
- Amsler, Walter O., Pittsburgh, Pa. Reversing-valve. No. 1,080,134; Dec. 2; Gaz. vol. 197; p. 75.
- Amundsen, Jens O. A., Stavanger, Norway. Machinery for drying milk and similar food. No. 1,078,603; Nov. 18; Gaz. vol. 196; p. 531.
- Anatomik Footwear Co., The. (See Cole, Harlan P., assignor.)
- Anchell, Oscar, New York, N. Y. Wire-feeding device. No. 1,055,852; Mar. 11; Gaz. vol. 188; p. 438.
- Anchor Sanitary Co. (See Brettell, Oliver C. G., assignor.)
- Anderegg, Gustavus A. (See Blackwell and Anderegg.)
- Anderholm, Peter, Hibbing, Minn. Tool-holder. No. 1,056,484; Mar. 18; Gaz. vol. 188; p. 687.
- Anderla, Frank J., Elyria, Ohio. Lawn-mower attachment. No. 1,069,513; Aug. 5; Gaz. vol. 193; p. 148.
- Anders, George, Galesburg, Ill. Insecticide. No. 1,063,313; June 3; Gaz. vol. 191; p. 48.
- Andersen, Anders P., Akron, Ohio. Indicator. No. 1,064,954; June 17; Gaz. vol. 191; p. 676.
- Andersen, Anders N., Housund, Norway. Production and treatment of mechanical wood-pulp. No. 1,068,092; July 22; Gaz. vol. 192; p. 849.
- Andersen, Anders P., Providence, R. I. Snow-guard. No. 1,055,438; Mar. 11; Gaz. vol. 188; p. 301.
- Andersen, Anthon H., Spring Valley, Wis. Match-igniting device for lanterns. No. 1,057,794; Apr. 1; Gaz. vol. 189; p. 136.
- Andersen, Anthon H., Spring Valley, Wis. Lantern. No. 1,062,755; May 27; Gaz. vol. 190; p. 859.
- Andersen, Christian, Chicago, Ill. Wrench. No. 1,074,594; Oct. 7; Gaz. vol. 195; p. 3.
- Andersen, Hans J., Homer, Nebr. Incubator. No. 1,070,315; Aug. 12; Gaz. vol. 193; p. 452.
- Andersen, Johan M., assignor to Albert and J. M. Anderson Manufacturing Company, Boston, Mass. Circuit-controller. No. 1,050,592; Jan. 14; Gaz. vol. 186; p. 469.
- Andersen, Johan M., assignor to Albert and J. M. Anderson Manufacturing Company, Boston, Mass. Trolley-pole support. No. 1,078,762; Nov. 18; Gaz. vol. 196; p. 588.
- Andersen, Johan M., Suffolk, assignor to Albert and J. M. Anderson Manufacturing Company, Boston, Mass. Electrical connection. No. 1,078,763; Nov. 18; Gaz. vol. 196; p. 588.
- Andersen, Jorgen, Perth Amboy, N. J. Piano string-plate. No. 1,072,294; Sept. 2; Gaz. vol. 194; p. 211.
- Andersen, Lauritz W., assignor to Plume and Atwood Manufacturing Company, Waterbury, Conn. Ball-joint. No. 1,080,405; Dec. 2; Gaz. vol. 197; p. 173.
- Andersen, Martin. (See Andersen, Minnie B. and M.)
- Andersen, Minnie B. and M., Redlands, Cal. Flume-gate. No. 1,065,494; June 24; Gaz. vol. 191; p. 895.
- Andersen-Nielsen Airship Company. (See Andersen and Nielsen, assignors.)
- Andersen, Paul, Freeport, and A. Nielsen, New York, N. Y., assignors to Andersen-Nielsen Airship Company. Aeroplane. No. 1,056,390; Mar. 18; Gaz. vol. 188; p. 652.
- Andersen, Richard C., Pomona, Cal. Lamp-burner attachment. No. 1,051,535; Jan. 28; Gaz. vol. 186; p. 859.

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- Anderson, Adolph J., Houston, Minn. Attachment for planters. No. 1,050,903; Jan. 21; Gaz. vol. 186; p. 611.
- Anderson, Albert, Glenwood, Minn. Power-propelled sled. No. 1,069,514; Aug. 5; Gaz. vol. 193; p. 148.
- Anderson, Albert, assignor of two-fifths to W. Anderson, Deerwood, Minn. Air-cooler. No. 1,051,661; Jan. 28; Gaz. vol. 186; p. 901.
- Anderson, Alfred, assignor to Schumann Piano Company, Rockford, Ill. Bellows for piano-players. No. 1,055,251; Mar. 4; Gaz. vol. 188; p. 198.
- Anderson, Alfred, assignor to Concord Company, Chicago, Ill. Rewind mechanism. No. 1,082,253; Dec. 23; Gaz. vol. 197; p. 893.
- Anderson, Alfred, assignor to Concord Company, Chicago, Ill. Player-pumping apparatus. No. 1,082,254; Dec. 23; Gaz. vol. 197; p. 894.
- Anderson, Alfred A., Jamestown, N. Y. Joint-fastening for furniture. No. 1,069,994; Aug. 12; Gaz. vol. 193; p. 340.
- Anderson, Alfred A., Jamestown, N. Y. Joint-fastening for furniture. No. 1,071,542; Aug. 26; Gaz. vol. 193; p. 937.
- Anderson, Anders E., assignor of one-half to A. G. Johnson, Lake Forest, Ill. Attachment for drill-presses. No. 1,060,574; May 6; Gaz. vol. 190; p. 4.
- Anderson, Andren W., Chicago, Ill. Device for handling sealing-paper. No. 1,050,510; Jan. 14; Gaz. vol. 186; p. 442.
- Anderson, Andrew, assignor of one-half to C. Nygord, Bingham Canyon, Utah. Pen-point releaser. No. 1,060,561; Apr. 29; Gaz. vol. 189; p. 1245.
- Anderson, Anton T., assignor to Anderson-Bailey-Cummings Company, Okmulgee, Okla. Wrench. No. 1,068,380; July 22; Gaz. vol. 192; p. 950.
- Anderson, Arthur M., Princeton, Ill. Display and storage cabinet. No. 1,054,959; Mar. 4; Gaz. vol. 188; p. 103.
- Anderson-Bailey-Cummings Company. (See Anderson, Anton T., assignor.)
- Anderson-Barngrover Mfg. Co. (See Anderson and Thompson, assignors.)
- Anderson, Benjamin, Gebo, Wyo. Spring-wheel. No. 1,061,799; May 13; Gaz. vol. 190; p. 458.
- Anderson, Benjamin, Gebo, Wyo. Pantograph. No. 1,079,910; Nov. 25; Gaz. vol. 196; p. 1015.
- Anderson, Calvin M., Columbus, Ohio. Dress-display frame. No. 1,067,295; July 15; Gaz. vol. 192; p. 548.
- Anderson, Carl, and A. G. Wahlberg, Chicago, Ill. Button-hole-cutter. No. 1,057,517; Apr. 1; Gaz. vol. 189; p. 42.
- Anderson, Carl E. (See Tenow and Anderson.)
- Anderson, Charles. (See Anderson, Oscar and C.)
- Anderson, Charles A., Chicago, Ill. Thermal motor. No. 1,055,439; Mar. 11; Gaz. vol. 188; p. 301.
- Anderson, Charles A., Chicago, Ill. Gas-pump. No. 1,075,183; Oct. 7; Gaz. vol. 195; p. 205.
- Anderson, Charles E. (See McGhee and Anderson.)
- Anderson, Charles E., Lake Andes, S. D. Gate. No. 1,077,449; Nov. 4; Gaz. vol. 196; p. 74.
- Anderson, Charles E., Providence, assignor to American Electrical Works, Phillipsdale, R. I. Wire-winding machine. No. 1,054,891; Mar. 4; Gaz. vol. 188; p. 82.
- Anderson, Charles E., and C. C. McKillips, Lake Andes, S. D. Gate-operator. No. 1,066,692; July 8; Gaz. vol. 192; p. 306.
- Anderson, Charles H., *et al.* (See Stephenson and Billington, assignors.)
- Anderson, Charles H., Seattle, Wash. Car-door and operating means therefor. No. 1,051,054; Jan. 21; Gaz. vol. 186; p. 663.
- Anderson, Charles H., Seattle, Wash. Steel car. No. 1,083,176; Dec. 30; Gaz. vol. 197; p. 1238.
- Anderson, Charles H., Cincinnati, Ohio. Drilling-machine. No. 1,069,995; Aug. 12; Gaz. vol. 193; p. 341.
- Anderson, Charles O., assignor of two-thirds to A. T. Austin, Omaha, Nebr. Railway-switch. No. 1,055,297; Mar. 4; Gaz. vol. 188; p. 214.
- Anderson, Charles O., assignor of seven-tenths to A. T. Austin, Omaha, Nebr. Railway-switch or the like. No. 1,057,208; Mar. 25; Gaz. vol. 188; p. 967.
- Anderson, Charles R., *et al.* (See Schell, Max P., assignor.)
- Anderson, Cory W., Buffalo, N. Y. Internal-combustion engine. No. 1,058,026; Apr. 8; Gaz. vol. 189; p. 259.
- Anderson, David A., Chicago, Ill. Fireproof stair. No. 1,078,403; Nov. 11; Gaz. vol. 196; p. 434.
- Anderson, David G., assignor of one-half to G. R. Kittle, Columbus, Ohio. Pipe-fitting. No. 1,075,281; Oct. 7; Gaz. vol. 195; p. 241.
- Anderson, David W., La Fayette, Ind. Starter for internal-combustion engines. No. 1,061,716; May 13; Gaz. vol. 190; p. 433.
- Anderson, Davis C., La Prairie, Minn. Spring-wheel. No. 1,052,027; Feb. 4; Gaz. vol. 187; p. 63.
- Anderson, Edward R., Blackstone, Va. Oil-burner. No. 1,064,589; June 10; Gaz. vol. 191; p. 520.
- Anderson, Edward S., Mabel, Minn. Automatic weighing mechanism. No. 1,053,769; Feb. 18; Gaz. vol. 187; p. 735.
- Anderson, Edward V., Monesson, assignor of one-half to C. E. Golden, Crafton, Pa. Cushion-valve. No. 1,077,502; Nov. 4; Gaz. vol. 196; p. 94.
- Anderson, Edward V., Monesson, assignor of one-half to C. E. Golden, Crafton, Pa. Automatic valve. No. 1,077,503; Nov. 4; Gaz. vol. 196; p. 94.
- Anderson, Elias B., Rock Falls, Ill. Horse-blanket holder. No. 1,072,070; Sept. 2; Gaz. vol. 194; p. 137.
- Anderson, Elihu M., Hugoton, Kans. Closet. No. 1,063,764; June 3; Gaz. vol. 191; p. 205.
- Anderson, Emil, New York, N. Y. Generator. No. 1,051,363; Jan. 21; Gaz. vol. 186; p. 765.
- Anderson, Emil, assignor to H. S. Todd, New York, N. Y. Turbine. No. 1,072,295; Sept. 2; Gaz. vol. 194; p. 211.
- Anderson, Emil, New York, N. Y., assignor to The Universal Turbine Company, Jersey City, N. J. Turbine. No. 1,076,733; Oct. 28; Gaz. vol. 195; p. 849.
- Anderson, Emil W., Chicago, Ill., assignor to Triple "A" Machine Company, Manistee, Mich. Motor for floor-scrappers and the like. No. 1,060,575; May 6; Gaz. vol. 190; p. 4.
- Anderson, Eric, assignor to The Bryant Electric Company, Bridgeport, Conn. Electric switch. No. 1,072,898; Sept. 9; Gaz. vol. 194; p. 453.
- Anderson, Ernest D., assignor to Union Paper Company, New York, N. Y. Feeding mechanism for blanking and forming machines. No. 1,053,694; Feb. 18; Gaz. vol. 187; p. 710.
- Anderson, Ernst G. K., assignor to Benjamin Electric Manufacturing Company, Chicago, Ill. Connecting device. No. 1,064,955; June 17; Gaz. vol. 191; p. 677.
- Anderson, Ferdinand, Waterbury, Conn. Non-refillable bottle. No. 1,060,732; May 6; Gaz. vol. 190; p. 58.
- Anderson, Floyd. (See Hickerson, Elmer E., assignor.)
- Anderson, Frank R., Anaconda, Colo. Machine for cutting fuses and crimping caps thereon. No. 1,051,853; Feb. 4; Gaz. vol. 187; p. 3.
- Anderson, George A., Bothell, Wash. Releasable driving mechanism. No. 1,082,105; Dec. 23; Gaz. vol. 197; p. 842.
- Anderson, George C., Springfield, Ill. Game apparatus. No. 1,055,505; Mar. 11; Gaz. vol. 188; p. 323.
- Anderson, George M., Inwood, Iowa. Nut-tightener for silo-rods, &c. No. 1,071,496; Aug. 26; Gaz. vol. 193; p. 922.
- Anderson, George S., assignor to Elliott-Fisher Company, Harrisburg, Pa. Platen for type-writing machines. No. 1,062,428; May 20; Gaz. vol. 190; p. 710.
- Anderson, George V., Philadelphia, Pa. Machine for treating leather. No. 1,073,064; Sept. 9; Gaz. vol. 194; p. 511.
- Anderson, George V., Philadelphia, Pa., assignor to Delaware Leather Machinery Company, Wilmington, Del. Leather-treating machine. No. 1,054,329; Feb. 25; Gaz. vol. 187; p. 961.
- Anderson, George W. T., Jacksonburg, W. Va. Rail-joint. No. 1,083,177; Dec. 30; Gaz. vol. 197; p. 1238.
- Anderson, Haldor A., Ortle, assignor to I. O. Anderson, Bigstone City, S. D. Photographic-printing frame. No. 1,050,511; Jan. 14; Gaz. vol. 186; p. 442.
- Anderson, Haldor A., assignor to H. H. Fromelt, Ortle, S. D. Photographic-printing machine. No. 1,077,213; Oct. 28; Gaz. vol. 195; p. 1012.
- Anderson, Hans, Healdsburg, Cal. Beehive. No. 1,073,458; Sept. 16; Gaz. vol. 194; p. 687.
- Anderson, Hans, Geyserville, Cal. Honey-jar. No. 1,073,459; Sept. 16; Gaz. vol. 194; p. 687.
- Anderson, Harold B. (See Winton and Anderson.)
- Anderson, Harold B., Lakewood, Ohio. Starting mechanism for internal-combustion engines. No. 1,058,214; Apr. 8; Gaz. vol. 189; p. 325.
- Anderson, Harold B., Lakewood, Ohio. Starting mechanism for internal-combustion engines. No. 1,058,215; Apr. 8; Gaz. vol. 189; p. 326.
- Anderson, Harry, Philadelphia, Pa. Handle for lock-knobs. No. 1,067,575; July 15; Gaz. vol. 192; p. 641.
- Anderson, Harry C., Hampton township, Allegheny county, Pa. Treating gaseous fluids. No. 1,049,796; Jan. 7; Gaz. vol. 186; p. 163.
- Anderson, Harry J., assignor to Newman Bros. Co., Chicago, Ill. Mechanical musical instrument. No. 1,062,944; May 27; Gaz. vol. 190; p. 923.
- Anderson, Harry T., Butler, assignor to Standard Steel Car Co., Pittsburgh, Pa. Door-operating mechanism. No. 1,064,879; June 17; Gaz. vol. 191; p. 652.
- Anderson, Henry A., assignor of one-half to N. Benson, Spokane, Wash. Combination wrench and vise. No. 1,065,016; June 17; Gaz. vol. 191; p. 696.
- Anderson, Homer, Peekskill, N. Y. Water-heater. No. 1,070,574; Aug. 19; Gaz. vol. 193; p. 583.
- Anderson, Inga O. (See Anderson, Haldor A., assignor.)
- Anderson, Ira, Richfield, Utah. Waste-pipe stopper. No. 1,067,776; July 15; Gaz. vol. 192; p. 710.
- Anderson, Jacob I., Prescott, Ariz. Amalgamator. No. 1,079,534; Nov. 25; Gaz. vol. 196; p. 882.
- Anderson, James B., Shaler township, Allegheny county, Pa. Gas-burner. No. 1,076,857; Oct. 28; Gaz. vol. 195; p. 894.
- Anderson, James P., Lisbon, N. D. Fastener for milk-can covers. No. 1,074,308; Sept. 30; Gaz. vol. 194; p. 1026.
- Anderson, James W., Fort Smith, Ark. Window-shade bracket and curtain-pole support. No. 1,061,800; May 13; Gaz. vol. 190; p. 458.

Alphabetical list of patentees—Continued.

- Anderson, Jesse C., Stewartville, assignor of one-fourth to H. P. Owen and one-fourth to E. Gentry, New Harmony, Ind. Wire-stretcher. No. 1,051,185; Jan. 21; Gaz. vol. 186; p. 707.
- Anderson, Jesse C., and D. F. Collins, Youngstown, Ohio. Railway-tie and fastening. No. 1,059,514; Apr. 22; Gaz. vol. 189; p. 849.
- Anderson, John, Portland, Conn. Wrench. No. 1,070,656; Aug. 19; Gaz. vol. 193; p. 609.
- Anderson, John, West Mount Vernon, Me., assignor of one-half to G. L. Winthrop, Tallahassee, Fla. Aeroplane. No. 1,054,484; Feb. 25; Gaz. vol. 187; p. 1016.
- Anderson, John A., *et al.* (See Winkulst, Victor, assignor.)
- Anderson, John A., Geneseo, Ill. Grain-transfer mechanism for planters. No. 1,063,902; June 3; Gaz. vol. 191; p. 250.
- Anderson, John A., Thief River Falls, Minn. Attachment for pockets. No. 1,066,779; July 8; Gaz. vol. 192; p. 336.
- Anderson, John A. S., Springfield, Mass. Explosive-engine. No. 1,055,693; Mar. 11; Gaz. vol. 188; p. 385.
- Anderson, John C., *et al.* (See Wisdom, George P., assignor.)
- Anderson, John C. A., Chicago, Ill. Elevator-alarm. No. 1,061,514; May 13; Gaz. vol. 190; p. 362.
- Anderson, John F., San Francisco, Cal. Wrench. No. 1,063,314; June 3; Gaz. vol. 191; p. 48.
- Anderson, John H., St. Paul, Minn. Push hay-rake. No. 1,063,938; June 3; Gaz. vol. 191; p. 264.
- Anderson, John L., Ogden, Utah. Universal electric induction heating and cooking element. No. 1,052,119; Feb. 4; Gaz. vol. 187; p. 96.
- Anderson, John N., Chicago, Ill. Photographic-printing machine. No. 1,075,680; Oct. 14; Gaz. vol. 195; p. 403.
- Anderson, John N., assignor of one-half to H. N. Slinde, Madison, Wis. Tool-holder. No. 1,050,781; Jan. 21; Gaz. vol. 186; p. 565.
- Anderson, John S., St. Louis, Mo. Drop-terret for harness. No. 1,052,640; Feb. 11; Gaz. vol. 187; p. 304.
- Anderson, John W., assignor of one-half to Allith Manufacturing Company, Limited, Hamilton, Ontario, Canada. Trolley-wheel. No. 1,060,055; Apr. 29; Gaz. vol. 189; p. 1069.
- Anderson, John W., assignor of one-half to Allith Manufacturing Company, Limited, Hamilton, Ontario, Canada. Door-hanger. No. 1,063,236; June 3; Gaz. vol. 191; p. 24.
- Anderson, John W., assignor of one-half to Allith Manufacturing Company, Limited, Hamilton, Ontario, Canada. Hanger-track for sliding doors. No. 1,071,380; Aug. 26; Gaz. vol. 193; p. 884.
- Anderson, Joseph, New York, N. Y. Ticket-deposit box. No. 1,080,404; Dec. 2; Gaz. vol. 197; p. 172.
- Anderson, Joseph H., Connellsville, Pa. Excelsior-machine. No. 1,052,994; Feb. 11; Gaz. vol. 187; p. 425.
- Anderson, Julia, Superior, Wis. Hat-pin guard. No. 1,061,212; May 6; Gaz. vol. 190; p. 223.
- Anderson, Lars, and E. F. Engel, assignors of one-half to G. W. Stahl, Chicago, Ill. Caloric engine. No. 1,073,065; Sept. 9; Gaz. vol. 194; p. 512.
- Anderson, Louis, Chicago, Ill. Bundle-transfer for grain-binders. No. 1,073,066; Sept. 9; Gaz. vol. 194; p. 512.
- Anderson, Lycurgus, Lake Creek, Tex. Vehicle-wheel. No. 1,058,518; Apr. 8; Gaz. vol. 189; p. 430.
- Anderson, Mads, Hastings, Nebr. Land-roller. No. 1,073,460; Sept. 16; Gaz. vol. 194; p. 688.
- Anderson, Matthew A., Dallas, Wis. Water-wheel. No. 1,067,858; July 22; Gaz. vol. 192; p. 771.
- Anderson, Morris, Jamestown, N. Y. Sheet-metal construction. No. 1,062,210; May 20; Gaz. vol. 190; p. 638.
- Anderson, N. B. (See Nilsson, John W., assignor.)
- Anderson, Neal L., Winston, N. C. Type-writer carriage-return mechanism. No. 1,067,635; July 15; Gaz. vol. 192; p. 663.
- Anderson, Nels L., Spearfish, S. D. Trace and tug buckle. No. 1,081,804; Dec. 16; Gaz. vol. 197; p. 711.
- Anderson, Nelson F., Los Angeles, Cal. Shear-gage. No. 1,049,326; Jan. 7; Gaz. vol. 186; p. 3.
- Anderson, Newton J., Coffeyville, Kans. Acetylene-generator. No. 1,065,200; June 17; Gaz. vol. 191; p. 755.
- Anderson, Nils. (See Jordan, Henry C., assignor.)
- Anderson, Olaf, Erskine, Minn. Bag-holder. No. 1,081,291; Dec. 16; Gaz. vol. 197; p. 540.
- Anderson, Olof A., Boston, Mass. Internal-combustion engine. No. 1,076,807; Oct. 28; Gaz. vol. 195; p. 876.
- Anderson, Oscar and C., Bitumen, Pa. Mine-car coupling. No. 1,051,536; Jan. 28; Gaz. vol. 186; p. 859.
- Anderson, Oscar, Chicago, and C. Nelson, Chicago Heights, Ill. Car-step. No. 1,071,129; Aug. 26; Gaz. vol. 193; p. 800.
- Anderson, Ove M., Chicago, Ill. Tiling-tool. No. 1,062,945; May 27; Gaz. vol. 190; p. 923.
- Anderson, P. A., *et al.* (See Brown, Haughton, assignor.)
- Anderson, Peder J., Stoughton, Wis. Hay-scatterer. No. 1,077,967; Nov. 11; Gaz. vol. 196; p. 281.
- Anderson, Per, Arvika, Sweden. Cupola-furnace. No. 1,054,381; Feb. 25; Gaz. vol. 187; p. 980.
- Anderson, Peter, assignor of one-half to H. A. Olson, Revere, Mass. Making signs on mirrors. No. 1,053,937; Feb. 18; Gaz. vol. 187; p. 791.
- Anderson & Prigge. (See Dixon and Post, assignors.)
- Anderson, Raymond M., assignor to Stromberg Motor Devices Company, Chicago, Ill. Carbureter. No. 1,063,148; May 27; Gaz. vol. 190; p. 989.
- Anderson, Robert, Liverpool, England. Method of and means for insulating walls, ceilings, decks, bulkheads, or the like against the conduction of heat. No. 1,060,056; Apr. 29; Gaz. vol. 189; p. 1069.
- Anderson, Robert, assignor to The Ferro Concrete Construction Company, Cincinnati, Ohio. Reinforced concrete construction for buildings. No. 1,052,708; Feb. 11; Gaz. vol. 187; p. 326.
- Anderson, Robert A., Newark, N. J. Protective device for fluid systems. No. 1,066,973; July 8; Gaz. vol. 192; p. 400.
- Anderson, Robert D. H., assignor of one-half to W. R. Rockhold, Cincinnati, Ohio. Incandescent-lamp hanger. No. 1,077,663; Nov. 4; Gaz. vol. 196; p. 146.
- Anderson, Robert H., assignor to R. B. Anderson, San Diego, Cal. Wall-bed. No. 1,074,592; Sept. 30; Gaz. vol. 194; p. 1119.
- Anderson, Ruth B. (See Anderson, Robert H., assignor.)
- Anderson, Samuel. (See Kepple, Anderson, and Hickok.)
- Anderson, Samuel K., and J. Long, South Auburn, Nebr. Pole-tip. No. 1,072,296; Sept. 2; Gaz. vol. 194; p. 211.
- Anderson, Samuel R., Quincy, Ill. Artificial leg. No. 1,063,175; May 27; Gaz. vol. 190; p. 998.
- Anderson, Samuel W., Spokane, Wash. Bag-holder. No. 1,062,811; May 27; Gaz. vol. 190; p. 878.
- Anderson, Sigurd E., Des Moines, Iowa. Silo-reinforcement. No. 1,077,949; Nov. 4; Gaz. vol. 196; p. 244.
- Anderson, Thomas G. (See Chambers, McCoy, Anderson, and Webb.)
- Anderson, Tom M., Sr., and T. M., Jr., Morristown, Tenn. Window-shade roller. No. 1,067,708; July 15; Gaz. vol. 192; p. 687.
- Anderson Tool Company, The. (See Dunn, Frank P., assignor.)
- Anderson, Verner G. (See Johnson, John T., assignor.)
- Anderson, Victor, assignor to Western Electric Company, New York, N. Y. Welded receiver. No. 1,063,237; June 3; Gaz. vol. 191; p. 24.
- Anderson, Victor H., Chicago, Ill. Tool-holder for lathes. No. 1,063,903; June 3; Gaz. vol. 191; p. 251.
- Anderson, Walter C. B. (See Euchenhofer and Anderson.)
- Anderson, William. (See Anderson, Albert, assignor.)
- Anderson, William, Helensburgh, and J. Meikle, Glasgow, Scotland. Evaporation, concentration, and distillation. No. 1,056,877; Mar. 25; Gaz. vol. 188; p. 852.
- Anderson, William B. (See Phipp, Edward L., assignor.)
- Anderson, William C., San Jose, Cal. Impaling-roll for fruit-seeding machines. No. 1,062,315; May 20; Gaz. vol. 190; p. 674.
- Anderson, William C., and A. R. Thompson, assignors to Anderson-Barngrover Mfg. Co., San Jose, Cal. Slicing-machine. No. 1,062,378; May 20; Gaz. vol. 190; p. 694.
- Anderson, William C., and A. R. Thompson, assignors to Anderson-Barngrover Mfg. Co., San Jose, Cal. Cooker. No. 1,062,379; May 20; Gaz. vol. 190; p. 694.
- Anderson, William C., and A. R. Thompson, assignors to Anderson-Barngrover Mfg. Co., San Jose, Cal. Syrunder. No. 1,072,412; Sept. 9; Gaz. vol. 194; p. 281.
- Anderson, William E., St. Louis, Mo. Vehicle-tire. No. 1,064,119; June 10; Gaz. vol. 191; p. 359.
- Anderson, William E. J., Trinidad, Colo. Hand-lever. No. 1,076,341; Oct. 21; Gaz. vol. 195; p. 658.
- Anderson, William P., New York, N. Y. Valve. No. 1,057,476; Apr. 1; Gaz. vol. 189; p. 28.
- Anderson, William V., Pulaski, Ky. Fertilizing attachment for cultivators. No. 1,050,593; Jan. 14; Gaz. vol. 186; p. 470.
- Anderson, Young R., assignor of one-tenth to L. C. Counts, Olney, Tex. Elevated irrigation system. No. 1,073,834; Sept. 23; Gaz. vol. 194; p. 838.
- Andersson, Carl A., Bronäs, Sweden. Plow. No. 1,050,711; Jan. 14; Gaz. vol. 186; p. 506.
- Andersson, Johan, Sälboda, Sweden, assignor to Utland-ska Patentaktiebolaget Frigator, Stockholm, Sweden. Apparatus for cooling milk. No. 1,050,782; Jan. 21; Gaz. vol. 186; p. 565.
- Anderton, John H., Seattle, Wash. Pin-guard. No. 1,068,833; July 29; Gaz. vol. 192; p. 1147.
- Andre, Walter L. (See Burns and Andre.)
- Andreassen, Andreas B., Brooklyn, N. Y. Launching apparatus. No. 1,049,970; Jan. 7; Gaz. vol. 186; p. 220.
- Andreassen, Andreas B., Brooklyn, N. Y. Life-boat. No. 1,080,876; Dec. 9; Gaz. vol. 197; p. 365.
- Andren, Fritz L., Chicago, Ill., assignor to S. Karpen & Bros. Convertible sofa. No. 1,058,934; Apr. 15; Gaz. vol. 189; p. 612.
- Andres, Charles M., assignor of one-half to J. Houseweller, Albany, N. Y. Mechanic's candle-holder. No. 1,073,013; Sept. 9; Gaz. vol. 194; p. 494.
- Andres, Peter, Hechingen, Germany. Ticket printing and recording machine for booking-offices. No. 1,052,641; Feb. 11; Gaz. vol. 187; p. 304.

Alphabetical list of patentees—Continued.

- Andresen, Christian, Chicago, Ill. Resilient wheel. No. 1,067,296; July 15; Gaz. vol. 192; p. 548.
- Andresen, Julius C. (See Marten, Grahn, and Andresen.)
- Andress, Herbert H. (See Stout and Andress.)
- Andrew C. Campbell, Incorporated. (See Campbell, Andrew C., assignor.)
- Andrew C. Campbell, Incorporated. (See Lorenz, William A., assignor.)
- Andrew, Irving E., Newhall, Iowa. Harrow attachment. No. 1,057,992; Apr. 1; Gaz. vol. 189; p. 203.
- Andrew, James T., Montgomery, Ala. Safety appliance especially adapted for locomotives. No. 1,056,724; Mar. 18; Gaz. vol. 188; p. 771.
- Andrew, James T., Montgomery, Ala. Chair or support for railway-rails. No. 1,061,801; May 13; Gaz. vol. 190; p. 458.
- Andrew, William E., Atlantic Highlands, N. J. Spring structure. No. 1,060,879; May 6; Gaz. vol. 190; p. 109.
- Andrews, Benjamin, Houston, Tex. Mineral-prospecting apparatus. No. 1,071,199; Aug. 26; Gaz. vol. 193; p. 822.
- Andrews, Casius G., *et al.* (See Ferguson, Lyman H., assignor.)
- Andrews, Charles W. (See Hawks, William, assignor.)
- Andrews, David H., Newton, Mass. Mercury-dropper. No. 1,060,306; Apr. 29; Gaz. vol. 189; p. 1156.
- Andrews, David H., Newton, and E. C. Ketchum, Boston, Mass. Dynamo-electrical machine. No. 1,069,095; Aug. 5; Gaz. vol. 193; p. 3.
- Andrews, David H., Newton, and E. C. Ketchum, Boston, Mass. Dynamo-electrical machine. No. 1,082,579; Dec. 30; Gaz. vol. 197; p. 1038.
- Andrews, Edwin W., assignor to J. Jepson and E. U. Andrews, trustees, Buffalo, N. Y. Incubator. No. 1,073,314; Sept. 16; Gaz. vol. 194; p. 637.
- Andrews, Elise and H. P., Portland, Oreg. Hair-waver. No. 1,073,014; Sept. 9; Gaz. vol. 194; p. 494.
- Andrews, Emma U., *et al.*, trustees. (See Andrews, Edwin W., assignor.)
- Andrews, Frederick, Mercer, New Zealand. Horse-collar. No. 1,062,684; May 27; Gaz. vol. 190; p. 836.
- Andrews, George L. (See Powell and Andrews.)
- Andrews, Herbert P. (See Andrews, Elise and H. P.)
- Andrews, John M., New Bedford, Mass. Safety elevator mechanism. No. 1,071,497; Aug. 26; Gaz. vol. 193; p. 922.
- Andrews, John W. R., assignor to F. A. Whitney Carriage Co., Leominster, Mass. Child's carriage. No. 1,074,583; Sept. 30; Gaz. vol. 194; p. 1116.
- Andrews, Launcelot W., Davenport, Iowa. Manufacture of oxalates. No. 1,065,577; June 24; Gaz. vol. 191; p. 423.
- Andrews, Lyman S., Plain City, Ohio. Clothes-line prop. No. 1,059,921; Apr. 22; Gaz. vol. 189; p. 980.
- Andrews Milling Company. (See Andrews, William G., assignor.)
- Andrews, Olive W., Charleston, Mo. Drive well-point. No. 1,073,835; Sept. 23; Gaz. vol. 194; p. 838.
- Andrews, Paul I., Kennebunk, Me. Reinforced warehouse car and box. No. 1,057,913; Apr. 1; Gaz. vol. 189; p. 177.
- Andrews, Percy J., Providence, R. I. Combination locknut and locking-collar. No. 1,057,209; Mar. 25; Gaz. vol. 188; p. 967.
- Andrews, Thomas, assignor to Thomas Andrews Manufacturing Company, Rockaway, N. J. Tube-cleaner. No. 1,068,203; July 22; Gaz. vol. 192; p. 888.
- Andrews, Thomas, assignor to The Thomas Andrews Manufacturing Company, Rockaway, N. J. Tube-cleaner. No. 1,068,292; July 22; Gaz. vol. 192; p. 920.
- Andrews, Thomas, assignor to Thomas Andrews Manufacturing Company, Rockaway, N. J. Rotary motor for tube-cleaners. No. 1,068,293; July 22; Gaz. vol. 192; p. 920.
- Andrews, Thomas M. (See Fisher and Andrews.)
- Andrews, William G., assignor to Andrews Milling Company, Chicago, Ill. Compound for accelerating fermentation. No. 1,063,177; June 3; Gaz. vol. 191; p. 3.
- Andrews, William S., Schenectady, N. Y., assignor to General Electric Company. Electric heater. No. 1,076,858; Oct. 28; Gaz. vol. 195; p. 894.
- Andrews Wire & Iron Works. (See Dennis, Elmer L., assignor.)
- Andriano, Albert K., New York, N. Y., assignor to Direct-Line General Telephone Company, San Francisco, Cal. Junction-block for making electrical connections. No. 1,056,725; Mar. 18; Gaz. vol. 188; p. 771.
- Andrick, Wallace P., E. Lowe, and H. W. Haff, assignors to K. M. Turner, Jamaica, N. Y. Key construction and support for telephonic apparatus. No. 1,060,576; May 6; Gaz. vol. 190; p. 4.
- Andrick, Wallace P., E. Lowe, and H. W. Haff, Jamaica, N. Y., assignors, by mesne assignments, to General Acoustic Company. Key construction and release for telephonic apparatus. No. 1,081,712; Dec. 16; Gaz. vol. 197; p. 673.
- Andricks, William F., Bowling Green, Ohio. Thread-cutting lathe. No. 1,064,590; June 10; Gaz. vol. 191; p. 521.
- Andriessens, Hugo, Munich, Germany. Carrying through chemical gas reactions by means of an enlarged electrical discharge. No. 1,058,653; Apr. 8; Gaz. vol. 189; p. 475.
- Andrieu, Engène J., Roubaix, France. Tube for automobiles, bicycles, and the like. No. 1,056,726; Mar. 18; Gaz. vol. 188; p. 771.
- Andrus, Burton R. (See Selbert and Andrus.)
- Andrus, Grosvenor S., Range, Oreg. Spring-wheel. No. 1,071,543; Aug. 26; Gaz. vol. 193; p. 937.
- Andrus, James R., Woodland, Wash. Footboard for wood-choppers. No. 1,062,685; May 27; Gaz. vol. 190; p. 837.
- Anello, Francesco P., Newark, N. J. Umbrella. No. 1,055,694; Mar. 11; Gaz. vol. 188; p. 385.
- Anfinson, Lars A., Clermont, Iowa. Corn-planter. No. 1,076,938; Oct. 28; Gaz. vol. 195; p. 923.
- Angebrandt, Hubert, Jr., Toledo, Ohio. Glue dissolver and retainer. No. 1,055,506; Mar. 11; Gaz. vol. 188; p. 324.
- Angebrandt, Hubert, Jr., Toledo, Ohio. Gearing. No. 1,065,763; June 24; Gaz. vol. 191; p. 986.
- Angelicola, Achilles F., assignor of one-third to P. Rapoport, Paterson, N. J. Brake for vessels. No. 1,069,996; Aug. 12; Gaz. vol. 193; p. 341.
- Angell, Edmund R., Derry, N. H. Acetylene-generator. No. 1,074,921; Oct. 7; Gaz. vol. 195; p. 113.
- Angell, Edward C., New York, N. Y. Device for displaying advertisements. No. 1,052,995; Feb. 11; Gaz. vol. 187; p. 425.
- Angell, Edward C., assignor to United States Stamp Book Company, Inc., New York, N. Y. Vending-machine. No. 1,065,098; June 17; Gaz. vol. 191; p. 724.
- Angell, Edward C., assignor to United States Stamp Book Company, Inc., New York, N. Y. Vending-machine. No. 1,065,099; June 17; Gaz. vol. 191; p. 724.
- Angell, Edward C., assignor to United States Stamp Book Company, Inc., New York, N. Y. Vending-machine. No. 1,065,100; June 17; Gaz. vol. 191; p. 724.
- Angell, Edward C., assignor, by mesne assignments, to E. C. Angell and M. Brill, New York, N. Y. Vending-machine. No. 1,050,594; Jan. 14; Gaz. vol. 186; p. 470.
- Angell, R. H. (See Tyler, George W., assignor.)
- Angelovich Improved Hinge Company. (See Angelovich, Joseph R., assignor.)
- Angelovich, Joseph R., assignor to Angelovich Improved Hinge Company, San Francisco, Cal. Non-projecting hinge. No. 1,076,259; Oct. 21; Gaz. vol. 195; p. 623.
- Anger, Gottlieb, McKees Rocks, assignor of one-half to T. A. Sprague, Bellevue, Pa. Tire. No. 1,077,504; Nov. 4; Gaz. vol. 196; p. 94.
- Angerstein, Hermann. (See Isselhorst and Angerstein.)
- Angerstein, Hermann, Berlin, Germany, assignor, by mesne assignments, to American Stamp & Ticket Vending Machine Co., New York, N. Y. Signaling device for letter-stamping apparatus. No. 1,079,319; Nov. 25; Gaz. vol. 196; p. 809.
- Anglund, Bror E., Atwater, Minn. Cream-cooler. No. 1,077,383; Nov. 4; Gaz. vol. 196; p. 50.
- Angood, Ney, Rockport, Wash., assignor of one-half to W. S. Prickett, Sidnaw, Mich. Safe. No. 1,078,764; Nov. 18; Gaz. vol. 196; p. 589.
- Anquish Manufacturing Company. (See Farlinger, George E., assignor.)
- Angus, Arthur R., Spit Road Mosman, New South Wales, Australia. Running-gear of railway-cars. No. 1,077,505; Nov. 4; Gaz. vol. 196; p. 95.
- Angus, John J., Grand Haven, Mich. Vise. No. 1,068,294; July 22; Gaz. vol. 192; p. 920.
- Aniline Color & Extract Works, formerly John R. Gelgy. (See Richard, Bernhard, assignor.)
- Anita Safety Match Company. (See Van Hoofstadt, Edward, assignor.)
- Anken, Isaac. (See Rochaix and Anken.)
- Ankenmann, George, New York, N. Y. Billiard-cue tip. No. 1,077,664; Nov. 4; Gaz. vol. 196; p. 146.
- Anklam, William F., assignor to C. M. Hall Lamp Company, Detroit, Mich. Lamp-bracket. No. 1,054,892; Mar. 4; Gaz. vol. 188; p. 82.
- Anklam, William F., assignor to C. M. Hall Lamp Company, Detroit, Mich. Lamp. No. 1,066,460; July 8; Gaz. vol. 192; p. 223.
- Anklam, William F., assignor to C. M. Hall Lamp Company, Detroit, Mich. Lamp-socket. No. 1,082,484; Dec. 30; Gaz. vol. 197; p. 1003.
- Annable, Warren W., and J. W. Fitz Gerald, Grand Rapids, Mich. Clutch. No. 1,050,757; Jan. 14; Gaz. vol. 186; p. 522.
- Annaratone, Duilio, Settimo Torinese, near Turin, Italy. Apparatus for producing ether. No. 1,067,709; July 15; Gaz. vol. 192; p. 687.
- Annis, Nathaniel P., Chicago, Ill. Centrifugal block-machine. No. 1,073,584; Sept. 23; Gaz. vol. 194; p. 751.
- Anschütz-Kaempfe, Hermann, Neumühlen, near Kiel, Germany. Device for recording the paths of ships. No. 1,069,842; Aug. 12; Gaz. vol. 193; p. 289.
- Anson, Joseph, Madoc, assignor of one-third to W. Sleeman and one-third to T. Sleeman, Bessemer, Ontario, Canada. Acetylene-lamp. No. 1,060,660; May 6; Gaz. vol. 190; p. 32.

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- Anspach, Francis G., assignor of one-third to V. B. Cannon, Deerfield, Mich. Controllable headlight for automobiles. No. 1,077,450; Nov. 4; Gaz. vol. 196; p. 74.
- Anthony, Alfred. (See Mumford and Anthony.)
- Anthony, Alfred R., Montrose, Pa., assignor, by mesne assignments, to D. V. Sutton, Madison, N. J. Liquid-fuel burner. No. 1,071,381; Aug. 26; Gaz. vol. 193; p. 885.
- Anthony, David S., Durango, Mexico. Fire-lighter. No. 1,059,019; Apr. 15; Gaz. vol. 189; p. 643.
- Anthony, Edgar W., Brookline, Mass. Stove. No. 1,080,671; Dec. 9; Gaz. vol. 197; p. 292.
- Anthony, Emery P., Tarentum, Pa. Hat-pin-point-protecting device. No. 1,065,764; June 24; Gaz. vol. 191; p. 986.
- Anthony, George W., Montpelier, Ind. Street-scraper. No. 1,079,587; Nov. 25; Gaz. vol. 196; p. 903.
- Anthony, James S., New York, N. Y., assignor to General Electric Company. Governing internal-combustion engines. No. 1,082,004; Dec. 23; Gaz. vol. 197; p. 807.
- Anthony, Joseph G., Detroit, Mich. Center-indicating device. No. 1,058,027; Apr. 8; Gaz. vol. 189; p. 259.
- Anthony, Wendell P., Ridley Park, assignor to The Eddy-stone Manufacturing Company, Eddystone, Pa. Machine for putting labels on dry goods. No. 1,060,661; May 6; Gaz. vol. 190; p. 33.
- Anthony, William R., Memphis, Tenn. Shaper for swaged saw-teeth. No. 1,064,419; June 10; Gaz. vol. 191; p. 463.
- Anthony, Wynnard, Colchester, England. Direct-acting fluid-engine. No. 1,063,904; June 3; Gaz. vol. 191; p. 251.
- Anti-Magnetic Compass Co. (See Fuchs, Ludwig F., assignor.)
- Antinozzi, Daniel D. (See Chardell and Antinozzi.)
- Anton, Christopher L., Monongahela, Pa. Drill. No. 1,082,617; Dec. 30; Gaz. vol. 197; p. 1052.
- Anton, Frederick A., Topeka, Kans. Awning-arm bracket. No. 1,069,515; Aug. 5; Gaz. vol. 193; p. 148.
- Anton, Frederick A., Topeka, Kans. Awning-arm. No. 1,081,882; Dec. 16; Gaz. vol. 197; p. 737.
- Antoni, Friedrich A., Cologne-Ehrenfeld, Germany. Corrugated pasteboard wrapper. No. 1,061,654; May 13; Gaz. vol. 190; p. 412.
- Antoni, Friedrich A., Cologne-Ehrenfeld, Germany. Manufacture of insulated handles for vessels and utensils. No. 1,067,231; July 15; Gaz. vol. 192; p. 525.
- Antoni, Guido and U., Pisa, Italy. Blade or fish-tail propeller and submarine boat. No. 1,050,090; Jan. 14; Gaz. vol. 186; p. 297.
- Antoni, Guido and U., Pisa, Italy. Flying-machine. No. 1,068,727; July 29; Gaz. vol. 192; p. 1108.
- Antoni, Ugo. (See Antoni, Guido and U.)
- Antonuccio, Joseph, Fruitvale, Cal. Water-heater. No. 1,077,579; Nov. 4; Gaz. vol. 196; p. 117.
- Antonuccio, Joseph, Oakland, Cal. Gas-burner. No. 1,082,725; Dec. 30; Gaz. vol. 197; p. 1090.
- Anyon, Thomas, Fallowfield, England. Soap. No. 1,064,591; June 10; Gaz. vol. 191; p. 521.
- Apgar, George, and J. E. Davis, White House, N. J. Track-jack. No. 1,065,765; June 24; Gaz. vol. 191; p. 987.
- Apgar, John T., New York, N. Y. Artificial leg. No. 1,082,255; Dec. 23; Gaz. vol. 197; p. 894.
- Apgar, John T., New York, N. Y. Artificial leg. No. 1,082,256; Dec. 23; Gaz. vol. 197; p. 894.
- Apmann, John D., Stillwater, Minn. Jointed tongue and truck. No. 1,064,880; June 17; Gaz. vol. 191; p. 652.
- Appel, Daniel, East Cleveland, Ohio. Valve-gear for internal-combustion engines. No. 1,057,399; Apr. 1; Gaz. vol. 189; p. 3.
- Appelman, Erastus W., Clermont, assignor, by mesne assignments, to American Drainage Company, Dubuque, Iowa. Land-drain. (Reissue.) No. 13,595; July 15; Gaz. vol. 192; p. 716.
- Appiani, Graziano, Treviso, Italy. Optical projecting apparatus. No. 1,080,528; Dec. 9; Gaz. vol. 197; p. 245.
- Apple Electric Company, The. (See Apple, Vincent G., assignor.)
- Apple Electric Company, The. (See Sayre, Gordon, assignor.)
- Apple, Vincent G., Dayton, Ohio. Power-transmission gearing. No. 1,051,055; Jan. 21; Gaz. vol. 186; p. 663.
- Apple, Vincent G., assignor to The Apple Electric Company, Dayton, Ohio. Regulator for dynamo-electric machines. No. 1,062,380; May 20; Gaz. vol. 190; p. 695.
- Apple, Vincent G., assignor to The Apple Electric Company, Dayton, Ohio. Controller-switch. No. 1,070,657; Aug. 19; Gaz. vol. 193; p. 609.
- Apple, Vincent G., assignor to The Apple Electric Company, Dayton, Ohio. Gearing. No. 1,079,090; Nov. 13; Gaz. vol. 196; p. 701.
- Apple, Vincent G., assignor to The Apple Electric Company, Dayton, Ohio. Dynamo-electric machine. No. 1,081,084; Dec. 9; Gaz. vol. 197; p. 431.
- Appleby, Cecile, New York, N. Y. Hat-support. No. 1,049,971; Jan. 7; Gaz. vol. 186; p. 220.
- Appleby, Edward H., Claridge, Pa. Mail-bag-delivering device. No. 1,076,859; Oct. 28; Gaz. vol. 195; p. 895.
- Appleby, Henry, Calgary, Alberta, Canada. Knife. No. 1,068,093; July 22; Gaz. vol. 192; p. 850.
- Appleby, James P., assignor to Johnston & Sharp Manufacturing Company, Ottumwa, Iowa. Making solid balls. No. 1,080,798; Dec. 9; Gaz. vol. 197; p. 338.
- Appleby, John F., Beaver county, Okla., assignor to Dixie Cotton Picker Company, Chicago, Ill. Cotton-extracting machine. No. 1,060,880; May 6; Gaz. vol. 190; p. 110.
- Appleby, John F., Beaver county, Okla., assignor to Dixie Cotton Picker Company, Redfield, S. D. Cotton-picking machine. No. 1,078,327; Nov. 11; Gaz. vol. 196; p. 405.
- Appleby, John F., Beaver county, Okla., assignor to Dixie Cotton Picker Company, Redfield, S. D. Cotton-picking machine. No. 1,078,328; Nov. 11; Gaz. vol. 196; p. 406.
- Appleby, John F., Chicago, Ill., assignor to Dixie Cotton Picker Co., Redfield, S. D. Cotton-harvesting machine. No. 1,067,576; July 15; Gaz. vol. 192; p. 641.
- Appleby, John F., assignor to Dixie Cotton Picker Company, Chicago, Ill. Harvester. No. 1,069,997; Aug. 12; Gaz. vol. 193; p. 342.
- Appleby, John F., assignor to Western Implement & Motor Company, Davenport, Iowa. Cotton-cleaner. No. 1,076,939; Oct. 28; Gaz. vol. 195; p. 923.
- Appleby, William H., Chicago, Ill. Latch. No. 1,069,753; Aug. 12; Gaz. vol. 193; p. 259.
- Applegate, Albert W., Brawley, Cal. Device for exterminating vermin on hogs. No. 1,050,712; Jan. 14; Gaz. vol. 186; p. 507.
- Applegate, Lee R., Spokane, Wash. Current-motor. No. 1,053,121; Feb. 11; Gaz. vol. 187; p. 470.
- Applegate, Lee R., Spokane, Wash. Current-motor. No. 1,071,544; Aug. 26; Gaz. vol. 193; p. 937.
- Appleman, Lewis W., Carl Junction, Mo. Drill-rig. No. 1,078,481; Nov. 11; Gaz. vol. 196; p. 459.
- Appelquist, Otto N., Council Bluffs, Iowa. Safety device for automobiles. No. 1,073,385; Sept. 16; Gaz. vol. 194; p. 661.
- Appler, Grafton W., Lyons, N. Y. Refillable fuse-cartridge. No. 1,052,202; Feb. 4; Gaz. vol. 187; p. 124.
- Appleton, Albert I., assignor to Appleton Electric Company, Chicago, Ill. Outlet-box. No. 1,051,942; Feb. 4; Gaz. vol. 187; p. 33.
- Appleton, Albert I., assignor to Chicago Fuse Manufacturing Company, Chicago, Ill. Electric outlet-box. No. 1,052,642; Feb. 11; Gaz. vol. 187; p. 305.
- Appleton, Edward J., Ashland, Ky. Holder for ironing-board covers. No. 1,052,028; Feb. 4; Gaz. vol. 187; p. 64.
- Appleton Electric Company. (See Appleton, Albert I., assignor.)
- Appleton, Joseph M., Lodi, Cal. Automatic control-valve for water-heaters. No. 1,051,979; Feb. 4; Gaz. vol. 187; p. 45.
- Appleton, William M., Weston-super-Mare, England. Internal-combustion engine. No. 1,051,537; Jan. 28; Gaz. vol. 186; p. 859.
- Appley, Harrison V., Binghamton, N. Y. Truss. No. 1,072,804; Sept. 9; Gaz. vol. 194; p. 417.
- Apra, Louis. (See Brunet and Apra.)
- Arabol Manufacturing Company, The. (See Hamilton, Charles E., assignor.)
- Aragon, Clements L., Brigham, Utah. Fountain-pen. No. 1,069,998; Aug. 12; Gaz. vol. 193; p. 342.
- Arakelian, K., et al., trustees. (See Converse, Newton B., assignor.)
- Arason, Frederick E., Mountain, N. D. Buckle-opener. No. 1,059,020; Apr. 15; Gaz. vol. 189; p. 643.
- Arave, Daniel W., and C. W. Wright, Ogden, Utah. Horse-stopping device. No. 1,049,639; Jan. 7; Gaz. vol. 186; p. 111.
- Arbetter Felling Machine Company. (See Arbetter, Wolf, assignor.)
- Arbetter Felling Machine Company. (See Bailey, William E., assignor.)
- Arbetter, Wolf, Chelsea, assignor to Arbetter Felling Machine Company, Boston, Mass. Sewing-machine. No. 1,050,595; Jan. 14; Gaz. vol. 186; p. 471.
- Arbetter, Wolf, Chelsea, assignor to Arbetter Felling Machine Company, Boston, Mass. Blindstitch sewing-machine. No. 1,059,966; Apr. 29; Gaz. vol. 189; p. 1039.
- Arbour, William R., and J. W. Lepine, Lafourche Crossing, La. Agricultural machine. No. 1,080,799; Dec. 9; Gaz. vol. 197; p. 339.
- Arbuckle, Alexander J., Johannesburg, Transvaal. Receptacle for separating solids from liquids. No. 1,051,662; Jan. 28; Gaz. vol. 186; p. 901.
- Arbuckle, Christina, et al., administrators. (See Arbuckle, John.)
- Arbuckle, John, deceased, New York, N. Y.; C. Arbuckle and C. A. Jamison, administrators. Means for raising sunken vessels. No. 1,061,213; May 6; Gaz. vol. 190; p. 223.
- Arburg, George F., Revere, Mass. Bath-room fixture. No. 1,076,808; Oct. 28; Gaz. vol. 195; p. 876.
- Arcade Manufacturing Company. (See Tscherning, Henry, assignor.)

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- Archbold-Brady Company. (See Allen, Robert L., assignor.)
- Archer, George, Chicago, Ill. Apparatus for aiming guns at night. No. 1,057,518; Apr. 1; Gaz. vol. 189; p. 42.
- Arco, Georg von, Berlin, Germany. Radiotelegraphic station. No. 1,082,221; Dec. 23; Gaz. vol. 197; p. 880.
- Arco, Georg von, assignor to Gesellschaft für Drahtlose Telegraphie, m. b. H., Berlin, Germany. Arrangement for producing electrical oscillations. No. 1,061,717; May 13; Gaz. vol. 190; p. 434.
- Arcturus Electric and Manufacturing Company, The. (See McBride, Lewis M., assignor.)
- Arend, Francis J., *et al.* (See Berrigan, John J., assignor.)
- Arend, Francis J., *et al.* (See Miller, Theodore H., assignor.)
- Arendt, Oskar, Berlin, and C. Schlesinger, Strassburg, Germany. Apparatus for repairing electric metallic filament lamps. No. 1,061,583; May 13; Gaz. vol. 190; p. 388.
- Arendt, Rudolph, assignor to H. Mundlos & Co., Magdeburg, Germany. Buttonhole-sewing machine. No. 1,083,178; Dec. 30; Gaz. vol. 197; p. 1238.
- Arens, August, assignor to The American Hardware Corporation, New Britain, Conn. Door-lock. No. 1,050,783; Jan. 21; Gaz. vol. 186; p. 566.
- Arens, August, assignor to The American Hardware Corporation, New Britain, Conn. Lock. No. 1,050,784; Jan. 21; Gaz. vol. 186; p. 566.
- Arens, August, assignor to The American Hardware Corporation, New Britain, Conn. Lock. No. 1,052,996; Feb. 11; Gaz. vol. 187; p. 426.
- Arens, August, assignor to The American Hardware Corporation, New Britain, Conn. Lock. No. 1,057,795; Apr. 1; Gaz. vol. 189; p. 136.
- Arens, August, assignor to The American Hardware Corporation, New Britain, Conn. Lock. No. 1,070,098; Aug. 12; Gaz. vol. 193; p. 377.
- Arens, Lloyd H., assignor to Frank Adam Electric Company, St. Louis, Mo. Fastening device. No. 1,062,075; May 20; Gaz. vol. 190; p. 591.
- Arenson, Joseph, Chicago, Ill. Inside coat-pocket. No. 1,076,260; Oct. 21; Gaz. vol. 195; p. 628.
- Arents, George, Jr., *et al.* (See Tyberg, Oluf, assignor.)
- Arenz, Joseph, Milwaukee, Wis. Saw-swaage. No. 1,062,211; May 20; Gaz. vol. 190; p. 638.
- Argylls Limited. (See Perrot, Henri, assignor.)
- Ariens, Frank A., Denison, Iowa. Milk-can-cover lock and seal. No. 1,082,726; Dec. 30; Gaz. vol. 197; p. 1090.
- Ariens, Henry, assignor to Brillion Iron Works, Brillion, Wis. Portable container. No. 1,078,981; Nov. 18; Gaz. vol. 196; p. 663.
- Aristos Company, The. (See Lansden, John M., Jr., assignor.)
- Aristos Company, The. (See Smith, Fred, assignor.)
- Arita, Moto, Boston, Mass. Indicating-lock. No. 1,081,190; Dec. 9; Gaz. vol. 197; p. 467.
- Arithstyle Company. (See Goldman, Henry, assignor.)
- Arkwright, Delaney, Jr., Youngstown, Ohio. Welding. No. 1,051,980; Feb. 4; Gaz. vol. 187; p. 46.
- Armbruster, Albert, New York, N. Y. Machine for packing fuel in paper bags. No. 1,079,628; Nov. 25; Gaz. vol. 196; p. 916.
- Armbruster, Edward J., assignor of one-third to I. M. Porter, Seattle, Wash. Automobile rain-protector. No. 1,082,479; Dec. 23; Gaz. vol. 197; p. 968.
- Armel, Alexandre. (See Legrand and Armel.)
- Armentrout, Luther E., Borderland, W. Va. Electric locomotive for coal-cars for use in mining. No. 1,053,144; Feb. 18; Gaz. vol. 187; p. 521.
- Armfield, Charles N., Guthrie Center, Iowa. Spindle-oiler. No. 1,060,881; May 6; Gaz. vol. 190; p. 110.
- Armington, William A. (See Roessler and Armington.)
- Armistead, William E., Sandersville, Ga. Apparatus for manufacturing ice. No. 1,062,530; May 20; Gaz. vol. 190; p. 743.
- Armitage, Joseph B. (See Le Boeuf and Armitage.)
- Armspear Manufacturing Company. (See Pixley, Judson S., assignor.)
- Armspear Manufacturing Company. (See Spear, Furman D., assignor.)
- Armstrong, Andrew. (See Byron and Armstrong.)
- Armstrong, Andrew D., Chicago, Ill. Level. No. 1,052,447; Feb. 11; Gaz. vol. 187; p. 239.
- Armstrong Bros. Tool Company. (See Gulbrandson, Knud, assignor.)
- Armstrong, Burton D. (See Armstrong, Lloyd M., B. D., and G. S.)
- Armstrong, Charles G., Chicago, Ill., assignor, by mesne assignments, to Automatic Heating Company, Jersey City, N. J. Heating system. No. 1,056,143; Mar. 18; Gaz. vol. 188; p. 572.
- Armstrong, Charles L., assignor to Armstrong Manufacturing Company, Waterloo, Iowa. Friction-clutch. No. 1,051,854; Feb. 4; Gaz. vol. 187; p. 3.
- Armstrong, Fred L., Cherry Valley, N. Y. Testing-machine. No. 1,052,302; Feb. 4; Gaz. vol. 187; p. 156.
- Armstrong, Glenn S. (See Armstrong, Lloyd M., B. D., and G. S.)
- Armstrong, Harley J., *et al.* (See Elliott, Thomas, assignor.)
- Armstrong, Harry H. (See Dunham and Armstrong.)
- Armstrong, Harry Y., Elgin, Ill., assignor to Armstrong Wrapping Machine Company, Louisville, Ky. Wrapper-feed mechanism for wrapping-machines. No. 1,051,477; Jan. 28; Gaz. vol. 186; p. 838.
- Armstrong, Harry Y., Elgin, Ill., assignor to Armstrong Wrapping Machine Company, Louisville, Ky. Feed mechanism for wrapping and other machines. No. 1,053,963; Feb. 25; Gaz. vol. 187; p. 837.
- Armstrong, Harry Y., Elgin, Ill., assignor to Armstrong Wrapping Machine Company, Louisville, Ky. Sheet-feeding device. No. 1,061,584; May 13; Gaz. vol. 190; p. 388.
- Armstrong, Harry Y., Elgin, Ill., assignor to Armstrong Wrapping Machine Company, Louisville, Ky. Sheet-feeding device. No. 1,061,585; May 13; Gaz. vol. 190; p. 388.
- Armstrong, Henry A., Brooklyn, N. Y., assignor to Mergenthaler Linotype Company. Line-casting machine. No. 1,056,314; Mar. 18; Gaz. vol. 188; p. 629.
- Armstrong, James R., assignor of one-third to W. H. Irvin, Pittsburgh, Pa. Gas-meter. No. 1,062,268; May 20; Gaz. vol. 190; p. 657.
- Armstrong, John B., Wilkes-Barre, assignor of one-third to W. Lloyd, Drifton, one-third to J. Lloyd, and one-third to W. H. Nicholson and Company, Inc., Wilkes-Barre, Pa. Trap-valve mechanism. No. 1,080,507; Dec. 2; Gaz. vol. 197; p. 205.
- Armstrong, John D., *et al.* (See Halliday, George, assignor.)
- Armstrong, John R., Cranston, assignor to O. K. Nut Lock Company, Providence, R. I. Nut-lock. No. 1,082,389; Dec. 23; Gaz. vol. 197; p. 941.
- Armstrong, Joseph F., assignor of one-half to S. Ginsberg, New York, N. Y. Sterilizing apparatus. No. 1,056,619; Mar. 18; Gaz. vol. 188; p. 734.
- Armstrong, Lloyd M., B. D., and G. S., Bayfield, Colo. Gearing. No. 1,058,704; Apr. 8; Gaz. vol. 189; p. 494.
- Armstrong Manufacturing Company. (See Armstrong, Charles L., assignor.)
- Armstrong, Mary C., Perth Amboy, N. J. Fly-catcher. No. 1,083,179; Dec. 30; Gaz. vol. 197; p. 1238.
- Armstrong, Morgan K., Minneapolis, Minn., assignor to Bestwall Manufacturing Company, Chicago, Ill. Compo-board. No. 1,076,261; Oct. 21; Gaz. vol. 195; p. 628.
- Armstrong, Noel, Billings, Mont. Pipe-wrench. No. 1,057,110; Mar. 25; Gaz. vol. 188; p. 934.
- Armstrong, Otto, Ottumwa, Iowa. Device for stringing seed-corn. No. 1,069,595; Aug. 5; Gaz. vol. 193; p. 174.
- Armstrong, Ralph W., assignor to The Gray National Telautograph Company, New York, N. Y. Reeling and feeding mechanism. No. 1,071,545; Aug. 26; Gaz. vol. 193; p. 938.
- Armstrong, Samuel A., Niles, and P. T. Aumend, Warren, Ohio. Coupling for cable-sections. No. 1,075,079; Oct. 7; Gaz. vol. 195; p. 169.
- Armstrong, Samuel P., Fort Scott, Kans. Automatic controller. No. 1,058,519; Apr. 8; Gaz. vol. 189; p. 431.
- Armstrong, Thomas F. (See Dodge and Armstrong.)
- Armstrong, Thomas H. (See Gibbs, James E., assignor.)
- Armstrong, Thomas H. (See Moore and Armstrong.)
- Armstrong, Thomas H., assignor to Dearborn Novelty Company, Chicago, Ill. Gas-generator. No. 1,076,401; Oct. 21; Gaz. vol. 195; p. 679.
- Armstrong, Thomas H., assignor to S. Pearlman, Chicago, Ill. Gas-generator. No. 1,079,091; Nov. 18; Gaz. vol. 196; p. 702.
- Armstrong, Victor C. (See Braine and Armstrong.)
- Armstrong, William D., Abingdon, Ill. Pelt-stretcher. No. 1,059,337; Apr. 22; Gaz. vol. 189; p. 787.
- Armstrong, William H., Los Angeles, Cal. Railway-car truck. No. 1,059,102; Apr. 15; Gaz. vol. 189; p. 671.
- Armstrong Wrapping Machine Company. (See Armstrong, Harry Y., assignor.)
- Arn, William G. (See Harris, Alexander B. B., assignor.)
- Arndt, Franklin E., Galion, Ohio. Scaling means for vaults. No. 1,074,402; Sept. 30; Gaz. vol. 194; p. 1057.
- Arndt, Kurt, Charlottenburg, assignor to The Chemische Fabrik Grünau Landshoff and Meyer Aktiengesellschaft, Grünau, near Berlin, Germany. Electrolytic manufacture of perborates. No. 1,081,191; Dec. 9; Gaz. vol. 197; p. 467.
- Arndt, Max, Aix-la-Chapelle, Germany. Apparatus for testing air and other gases. No. 1,063,946; June 10; Gaz. vol. 191; p. 299.
- Arndt, Max, Aix-la-Chapelle, Germany. Air-pyrometer. No. 1,065,651; June 24; Gaz. vol. 191; p. 948.
- Arndt, Max, Aix-la-Chapelle, Germany. Testing apparatus for air and other gases. No. 1,065,652; June 24; Gaz. vol. 191; p. 948.
- Arndt, Max, Aix-la-Chapelle, Germany. Measuring apparatus. No. 1,075,620; Oct. 14; Gaz. vol. 195; p. 383.

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- Arndt, Walter R., assignor of one-half to Tilton and Tilton, Moline, Kans. Acetylene-gas generator. No. 1,062,873; May 27; Gaz. vol. 190; p. 898.
- Arnhorst, Charles F., Chicago, Ill. Igniting gas-burners. No. 1,050,328; Jan. 14; Gaz. vol. 186; p. 377.
- Arning, Fredrick M., and W. F. Hobson, Bartlett, Kans. Railway-tie. No. 1,052,120; Feb. 4; Gaz. vol. 187; p. 96.
- Arnold, Abraham A., Indianapolis, Ind., assignor to himself and C. P. Greenen. Punching-machine. No. 1,052,431; Feb. 4; Gaz. vol. 187; p. 201.
- Arnold, Arthur E., Weehawken, N. J. Nut-lock. No. 1,077,248; Nov. 4; Gaz. vol. 196; p. 3.
- Arnold, Arthur W., New York, N. Y. Automatic draft-controller. No. 1,067,777; July 15; Gaz. vol. 192; p. 710.
- Arnold, Arthur W., New York, N. Y. Automatic furnace-damper. No. 1,079,824; Nov. 25; Gaz. vol. 196; p. 985.
- Arnold, Charles E., Hartford, Conn. Account-book. No. 1,074,922; Oct. 7; Gaz. vol. 195; p. 114.
- Arnold, Daniel J. C., New London, Ohio. Pressure-releasing device. No. 1,063,002; May 27; Gaz. vol. 190; p. 941.
- Arnold Electric Company. (See Arnold, George A., assignor.)
- Arnold-Forster, William H. (See Stell, Alfred and J., assignors.)
- Arnold, Frank D., Dublin, Pa. Broom-bridle. No. 1,064,188; June 10; Gaz. vol. 191; p. 384.
- Arnold, George A., Middletown, Conn., assignor to Arnold Electric Company. Vaporizer. No. 1,072,685; Sept. 9; Gaz. vol. 194; p. 376.
- Arnold, George W., assignor of one-third to H. Hertzberg, Denver, Colo. Ore-concentrating machine. No. 1,081,421; Dec. 16; Gaz. vol. 197; p. 584.
- Arnold, Harry B., assignor to The National Spring Bed Company, New Britain, Conn. Bedstead. No. 1,060,057; Apr. 29; Gaz. vol. 189; p. 1070.
- Arnold, Harry B., assignor to The National Spring Bed Company, New Britain, Conn. Bed. No. 1,078,077; Nov. 11; Gaz. vol. 196; p. 318.
- Arnold, James E., assignor of one-half to D. L. Cline, Grand View, Ind. Reversing-valve mechanism. No. 1,049,640; Jan. 7; Gaz. vol. 186; p. 111.
- Arnold, Mervin V., Syracuse, N. Y. Fireplace. No. 1,061,718; May 13; Gaz. vol. 190; p. 434.
- Arnold, Roy M., Danville, Ky. Double-reach vehicle-gear. No. 1,066,693; July 8; Gaz. vol. 192; p. 306.
- Arnold, Satterlee T., assignor to The Standard Sewing Machine Company, Cleveland, Ohio. Lubricating system. No. 1,057,026; Mar. 25; Gaz. vol. 188; p. 905.
- Arnold, Susan L., Ottawa, Ill. Adjustable walker. No. 1,054,077; Feb. 25; Gaz. vol. 187; p. 876.
- Arnold, Susan L., Ottawa, Ill. Spark-arrester. No. 1,064,592; June 10; Gaz. vol. 191; p. 521.
- Arnold-Wagner Electric Co. (See Wagner, Joseph F., assignor.)
- Arnold, William B. (See Dunn, George F., assignor.)
- Arnold, William B., North Abington, Mass. Welt for boots and shoes. No. 1,059,697; Apr. 22; Gaz. vol. 189; p. 908.
- Arnold, William B., North Abington, Mass. Forming welting. No. 1,059,698; Apr. 22; Gaz. vol. 189; p. 908.
- Arnold, William B., North Abington, Mass. Forming welting for boots and shoes. No. 1,059,699; Apr. 22; Gaz. vol. 189; p. 908.
- Arnold, William B., North Abington, Mass. Welting for boots and shoes. No. 1,059,700; Apr. 22; Gaz. vol. 189; p. 909.
- Arnold, William B., Abington, Mass. Shoe-stiffener blank. No. 1,076,541; Oct. 21; Gaz. vol. 195; p. 729.
- Arnold, William H., Stockton, Cal. Wheel-bearing. No. 1,065,424; June 24; Gaz. vol. 191; p. 871.
- Arnold, William H., Stockton, Cal. Trolley-wheel construction. No. 1,070,658; Aug. 19; Gaz. vol. 193; p. 610.
- Arnold, William R., Geneva, Nebr. Lamp-wick. No. 1,073,015; Sept. 9; Gaz. vol. 194; p. 495.
- Arnold, William W. (See Jacobson, Ole, assignor.)
- Arnoldy, Nicholas, Osborne, Kans. Folding car-step. No. 1,066,974; July 8; Gaz. vol. 192; p. 401.
- Arnott, Robert F. (See Stutz and Arnott.)
- Arnott, Robert F., New York, N. Y. Power-operated hammer. No. 1,055,594; Mar. 11; Gaz. vol. 188; p. 351.
- Arnott, Robert F., Montclair, N. J., assignor to R. H. Keays, New York, N. Y. Cable-grip mechanism. No. 1,066,780; July 8; Gaz. vol. 192; p. 336.
- Arnsburger, Frederick H., assignor of one-half to W. J. Rundle, Stockton, Cal. Automatic safety-crank and gear-shift for automobiles. No. 1,077,506; Nov. 4; Gaz. vol. 196; p. 95.
- Arnsburger, Walter D., Patch Grove, Wis. Transmission-gearing. No. 1,079,463; Nov. 25; Gaz. vol. 196; p. 858.
- Arntt, Charles, Vancouver, British Columbia, Canada. Floor-oiler. No. 1,049,797; Jan. 7; Gaz. vol. 186; p. 163.
- Arnwine, Charles L., Jacksonville, Tex. Fence-wire fastener. No. 1,054,164; Feb. 25; Gaz. vol. 187; p. 905.
- Aron, Hermann, Wilmersdorf, near Berlin, Germany. Gas-measuring instrument of the wet-meter type. No. 1,063,238; June 3; Gaz. vol. 191; p. 24.
- Aronson, Esther, Iron Mountain, Mich. Bedstead-canopy. No. 1,057,400; Apr. 1; Gaz. vol. 189; p. 3.
- Aronson, Frank, Chicago, Ill. Pressure-demonstrating apparatus. No. 1,071,130; Aug. 26; Gaz. vol. 193; p. 800.
- Aronson, Frank, Evanston, assignor to Central Scientific Company, Chicago, Ill. Wire-tester. No. 1,057,210; Mar. 25; Gaz. vol. 188; p. 968.
- Aronson, Louis V., Newark, N. J. Perpetual calendar. No. 1,065,101; June 17; Gaz. vol. 191; p. 725.
- Aronson, Peter A., Hoboken, N. J., assignor to Automatic Hook & Eye Company. Separable fastener. No. 1,060,412; Apr. 29; Gaz. vol. 189; p. 1195.
- Aronson, Saul. (See Wilkinson and Aronson.)
- Arota, Gesellschaft mit beschränkter Haftung. (See Wunnenberg, Henry M. L., assignor.)
- Arrants, James W., Elizabethtown, Tenn. Tobacco-cutter. No. 1,079,998; Dec. 2; Gaz. vol. 197; p. 27.
- Arrowsmith, James W., Morristown, N. J. Instep-arch support. No. 1,055,306; Mar. 11; Gaz. vol. 188; p. 255.
- Arrowsmith, James W., Morristown, N. J. Instep-support. No. 1,079,736; Nov. 25; Gaz. vol. 196; p. 953.
- Arrowsmith, James W., Morristown, N. J., assignor to Arrowsmith Manufacturing Company. Arch-support. No. 1,077,864; Nov. 4; Gaz. vol. 196; p. 213.
- Arrowsmith Manufacturing Company. (See Arrowsmith, James W., assignor.)
- Arsem, William C., Schenectady, N. Y., assignor to General Electric Company. Purifying asbestos. No. 1,049,972; Jan. 7; Gaz. vol. 186; p. 220.
- Arsem, William C., Schenectady, N. Y., assignor to General Electric Company. Silicious material of low density. No. 1,077,950; Nov. 4; Gaz. vol. 196; p. 244.
- Arsem, William C., Schenectady, N. Y., assignor to General Electric Company. Vulcanized glycerol resin. No. 1,082,106; Dec. 23; Gaz. vol. 197; p. 842.
- Art Metal Construction Company. (See Bullock, Raymond G., assignor.)
- Art Metal Construction Company. (See Isbell, Lewis J., assignor.)
- Art Metal Construction Company. (See Probasco, Charles M., assignor.)
- Art Metal Construction Company. (See Sampson, Eric G., assignor.)
- Art Metal Construction Company. (See Stuck, Everett, assignor.)
- Art Novelty Manufacturing Company. (See Pollock, Robert A., assignor.)
- Arthur Colton Company. (See Colton, Arthur, assignor.)
- Arthur E. Wilde Manufacturing and Sales Company. (See Wilde, Arthur E., assignor.)
- Arthur, John E., Lane, Ill. Hoof-clipper. No. 1,054,078; Feb. 25; Gaz. vol. 187; p. 876.
- Arthur, Walter, Schenectady, N. Y., assignor to General Electric Company. Refractory material. No. 1,072,413; Sept. 9; Gaz. vol. 194; p. 281.
- Arthur, Walter, Schenectady, N. Y., assignor to General Electric Company. Refractory material. No. 1,072,414; Sept. 9; Gaz. vol. 194; p. 281.
- Artizan Brass Company. (See Desmond, John, assignor.)
- Artman, Joseph H., and A. J. Bruggeman, Laurel, Nebr. Hog-trough. No. 1,066,975; July 8; Gaz. vol. 192; p. 401.
- Artz, Harry M., Mansfield, and E. B. Lorenzen, Sandusky, Ohio. Packless valve. No. 1,066,240; July 1; Gaz. vol. 192; p. 121.
- Arundel, Hubert. (See Higginson and Arundel.)
- Arzinger, William F., Jersey City, N. J. Bottle-filling and fluid-measuring machine. No. 1,071,682; Sept. 2; Gaz. vol. 194; p. 3.
- Asbestos Protected Metal Co. (See Stewart, Perez M., assignor.)
- Asbury, Harry E., assignor to The Enterprise Manufacturing Company of Pennsylvania, Philadelphia, Pa. Means for placing weights on molds. No. 1,051,663; Jan. 28; Gaz. vol. 186; p. 902.
- Asbury, Harry E., and W. C. Atkinson, Philadelphia, Pa. Device for removing obstructions from drain-pipes. No. 1,077,784; Nov. 4; Gaz. vol. 196; p. 186.
- Asbury, William, New York, N. Y., assignor to The American Safety Appliance Company. Container. No. 1,053,344; Feb. 18; Gaz. vol. 187; p. 590.
- Aschéri, Antoine, Puteaux, France. Detachable tire-tread. No. 1,053,953; Feb. 18; Gaz. vol. 187; p. 797.
- Ash, Benjamin F., Valley Station, Ky. Electric rat-trap. No. 1,056,620; Mar. 18; Gaz. vol. 188; p. 734.
- Ash, George. (See Welch, William H., assignor.)
- Ash, Harry B., St. Louis, Mo. Templet. No. 1,066,695; July 8; Gaz. vol. 192; p. 307.
- Ash, Harry B., St. Louis, Mo., assignor to The Offill-Thon Manufacturing Company, Ashley, Ill. Templet. No. 1,064,593; June 10; Gaz. vol. 191; p. 521.
- Ash, Harry B., assignor to B. A. Wood, trustee, St. Louis, Mo. Templet. No. 1,066,694; July 8; Gaz. vol. 192; p. 307.

Alphabetical list of patentees—Continued.

- Ash, Horace W., Winchester, Mass., assignor to Warren Brothers Company, Charleston, W. Va. Heating and mixing plant. No. 1,067,210; July 8; Gaz. vol. 192; p. 481.
- Ash, Marsellus T., Chicago, Ill. Display apparatus. No. 1,059,653; Apr. 22; Gaz. vol. 189; p. 893.
- Ash, Marsellus T., Brooklyn, assignor to W. H. Owen, New York, N. Y. Carton-filler. No. 1,075,534; Oct. 14; Gaz. vol. 195; p. 353.
- Ash, Samuel, assignor to S. Klein, Philadelphia, Pa. Gas-heater. No. 1,053,695; Feb. 18; Gaz. vol. 187; p. 710.
- Ashburner, Charles E., Lynchburg, Va. Toy puzzle. No. 1,072,558; Sept. 9; Gaz. vol. 194; p. 332.
- Ashby, Archie P., and W. Allen, Virginia Beach, Va. Surgeon's operating-table. No. 1,078,894; Nov. 18; Gaz. vol. 196; p. 633.
- Ashcroft, Edgar A., Balestrand, Norway. Treatment of metal-bearing solutions. No. 1,071,856; Sept. 2; Gaz. vol. 194; p. 65.
- Asher, Joseph, Albany, N. Y. Sash-cord-fastening device. No. 1,079,685; Nov. 25; Gaz. vol. 196; p. 935.
- Ashland Manufacturing Company, The. (See Willour, Le Roy, assignor.)
- Ashley, Charles F., Bolton, N. C. Sawmill-carriage feed. No. 1,072,805; Sept. 9; Gaz. vol. 194; p. 418.
- Ashley, Douglas V., Binghamton, N. Y. Bolt for internal-combustion engines. No. 1,059,103; Apr. 15; Gaz. vol. 189; p. 672.
- Ashley, Frank M. (See En Holm, Oscar A., assignor.)
- Ashley, Frank M., *et al.* (See Kendall, Edward D., assignor.)
- Ashley, Frank M., Brooklyn, N. Y. Inkstand. (Reissue.) No. 13,659; Dec. 23; Gaz. vol. 197; p. 969.
- Ashley, George T., Santa Monica, Cal., assignor to Fairbanks-Morse Electrical Manufacturing Company, Indianapolis, Ind. Electrical controlling and regulating apparatus. No. 1,077,451; Nov. 4; Gaz. vol. 196; p. 75.
- Ashley, Oscar W., Raleigh, W. Va. Railway-switch. No. 1,066,444; July 1; Gaz. vol. 192; p. 186.
- Ashley, Robert W., and F. Oberkirch, New York, N. Y., assignors to General Rim Company. Demountable rim. No. 1,058,399; Apr. 8; Gaz. vol. 189; p. 391.
- Ashley, Robert W., and F. Oberkirch, New York, N. Y., assignors to General Rim Company. Demountable rim. No. 1,058,400; Apr. 8; Gaz. vol. 189; p. 391.
- Ashley, Robert W., and F. Oberkirch, New York, N. Y., assignors to General Rim Company. Locking apparatus for demountable rims. No. 1,058,401; Apr. 8; Gaz. vol. 189; p. 392.
- Ashley, Robert W., and F. Oberkirch, New York, N. Y. Demountable rim. No. 1,082,299; Dec. 23; Gaz. vol. 197; p. 911.
- Ashliman, Adolph E., assignor to J. B. Baker, Haskell, and B. C. Duke, Denton, Tex. Wrench. No. 1,068,960; July 29; Gaz. vol. 192; p. 1191.
- Ashlock, Henry H., Kansas City, Mo. Railway construction. No. 1,058,520; Apr. 8; Gaz. vol. 189; p. 432.
- Ashmore, Edith B., Philadelphia, Pa. Drapery-suspension pin for curtain-rings. No. 1,069,999; Aug. 12; Gaz. vol. 193; p. 343.
- Ashtabula Bow Socket Company, The. (See Wittich, Frederick A., assignor.)
- Ashton, Albert C., *et al.*, executors. (See Casey, Frederick A.)
- Ashton, Alfred, Plymouth, Pa. Tube-cleaner. No. 1,058,521; Apr. 8; Gaz. vol. 189; p. 432.
- Ashton, Ernest. (See Prime and Ashton.)
- Ashton, Francis E., Exeter, N. H., assignor to Draper Company, Hopedale, Mass. Loom filling-stand. No. 1,082,186; Dec. 23; Gaz. vol. 197; p. 868.
- Ashton, Frank R., Rochester, N. Y. Device for oiling shaft-bearings. No. 1,054,079; Feb. 25; Gaz. vol. 187; p. 876.
- Ashton, John H., Providence, R. I. Self-closing valve. No. 1,068,556; July 29; Gaz. vol. 192; p. 1047.
- Ashton, Orrell, Swampscott, Mass., assignor to United Shoe Machinery Company, Paterson, N. J. Machine for use in the manufacture of boots and shoes. No. 1,050,904; Jan. 21; Gaz. vol. 186; p. 611.
- Ashton, Orrell, Swampscott, Mass., assignor to United Shoe Machinery Company, Paterson, N. J. Shoe-shaping machine. No. 1,066,781; July 8; Gaz. vol. 192; p. 337.
- Ashton, Orrell, Swampscott, Mass., assignor to United Shoe Machinery Company, Paterson, N. J. Machine for use in the manufacture of boots and shoes. No. 1,076,940; Oct. 28; Gaz. vol. 195; p. 924.
- Ashton, Orrell, Lawrence, Mass., assignor to United Shoe Machinery Company, Paterson, N. J. Assembling parts of boots and shoes. No. 1,076,620; Oct. 21; Gaz. vol. 195; p. 757.
- Ashton Valve Company, The. (See Casey, Frederick A., assignor.)
- Ashton Valve Company, The. (See Motherwell, Joseph W., assignor.)
- Ashworth, Arthur, Bury, England. Vat-dyeing machine. No. 1,052,399; Feb. 4; Gaz. vol. 187; p. 189.
- Ashworth, Fred, Beverly, Mass., assignor to United Shoe Machinery Company, Paterson, N. J. Sewing-machine. No. 1,080,877; Dec. 9; Gaz. vol. 197; p. 365.
- Ask-Your-Dealer Vantage Company. (See Bryan, Joseph P., assignor.)
- Aslakson, Baxter M., Salem, Ohio. Gas-engine. No. 1,081,480; Dec. 16; Gaz. vol. 197; p. 604.
- Asmussen, Albert W., Treynor, Iowa. Planter. No. 1,078,121; Nov. 11; Gaz. vol. 196; p. 334.
- Asmussen, Louis C., Chicago, Ill. Seal-lock. No. 1,079,092; Nov. 18; Gaz. vol. 196; p. 702.
- Asper, Albert. (See Gubrud, Adolph P., assignor.)
- Asper, Albert, Sedgewick, Alberta, Canada, assignor to A. P. Gubrud, Hudson, S. D. Machine for gathering and husking corn. No. 1,056,727; Mar. 18; Gaz. vol. 188; p. 772.
- Asper, Albert, Dodgen, N. D., assignor to A. P. Gubrud, Hudson, S. D. Corn-husking machine. No. 1,056,728; Mar. 18; Gaz. vol. 188; p. 772.
- Asper, Halfdan, Pittsburgh, Pa. Door arrangement for dump-cars. No. 1,076,860; Oct. 28; Gaz. vol. 195; p. 895.
- Aspinwall, John, Newburgh, N. Y., assignor to E. I. du Pont de Nemours Powder Co. Treating apparatus. No. 1,075,805; Oct. 14; Gaz. vol. 195; p. 415.
- Aspinwall, Lewis A., assignor to Aspinwall Manufacturing Company, Jackson, Mich. Potato-planter. No. 1,052,203; Feb. 4; Gaz. vol. 187; p. 124.
- Aspinwall, Lewis A., assignor to Aspinwall Manufacturing Company, Jackson, Mich. Potato-planter. No. 1,059,810; Apr. 22; Gaz. vol. 189; p. 945.
- Aspinwall, Louis M., and G. Bright, Wilkinsburg, assignors, by mesne assignments, to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Recording apparatus. No. 1,056,878; Mar. 25; Gaz. vol. 188; p. 852.
- Aspinwall Manufacturing Company. (See Aspinwall, Lewis A., assignor.)
- Aspinwall, Robert S., Cleveland, Ohio, assignor to The Virden Manufacturing Company. Shade-holder. No. 1,077,384; Nov. 4; Gaz. vol. 196; p. 50.
- Aspy, Lotus, Paris, Mo. Truck. No. 1,056,729; Mar. 18; Gaz. vol. 188; p. 772.
- Astfalk, Wiland, Dusseldorf, Germany. Hydraulic press for making tubes out of an ingot. No. 1,049,641; Jan. 7; Gaz. vol. 186; p. 111.
- Astley, Robert A., Lansing, Mich. Vapor-lamp. No. 1,050,199; Jan. 14; Gaz. vol. 186; p. 332.
- Aston, A. W., *et al.* (See Davis, James S., assignor.)
- Astor Trust Company, trustee. (See Lundin, Andreas P., assignor.)
- Astor Trust Company, trustee. (See Lundin and Sivard, assignors.)
- Astor Trust Company, trustee. (See Sivard, Einar L. M., assignor.)
- Astridge, Henry R. (See Beck, Astridge, and Whitteker.)
- Astrom, Carl P., East Orange, N. J., assignor to M. H. Treadwell Company. Dumping-car. No. 1,080,619; Dec. 9; Gaz. vol. 197; p. 275.
- Astrom, Carl P., East Orange, N. J., assignor to M. H. Treadwell Company. Car. No. 1,080,620; Dec. 9; Gaz. vol. 197; p. 275.
- Astrom, John, Fort Wayne, Ind. Air charging and priming device for suction-pumps. No. 1,074,098; Sept. 30; Gaz. vol. 194; p. 957.
- Astruck, John H., New York, N. Y. Cigar-cutter. No. 1,082,257; Dec. 23; Gaz. vol. 197; p. 895.
- Atchinson, Sophia E., Springfield, Mass. Hook and eye. No. 1,067,234; July 15; Gaz. vol. 192; p. 525.
- Ateliers H. Cuénod Société Anonyme. (See Werner and Juillard, assignors.)
- Atherton, Fisher C., Buffalo, N. Y. Driving and braking mechanism. No. 1,055,012; Mar. 4; Gaz. vol. 188; p. 121.
- Athey, Isaac H., Chicago, Ill., assignor to Athey Sanitary Equipment Co. Weather-stop for doors and the like. No. 1,063,635; June 3; Gaz. vol. 191; p. 161.
- Athey Sanitary Equipment Co. (See Athey, Isaac H., assignor.)
- Atkeson, William A., Summerdale, Ala., assignor to Louis A. Boettiger Company, New York, N. Y. Pocket-tweezers. No. 1,052,878; Feb. 11; Gaz. vol. 187; p. 385.
- Atkins, Charles H., Springfield, Mass. Preserving milk. No. 1,057,519; Apr. 1; Gaz. vol. 189; p. 42.
- Atkins, Charles H., assignor to Kleensweep Manufacturing Company, Springfield, Mass. Triple valve for air-brake systems. No. 1,053,696; Feb. 18; Gaz. vol. 187; p. 710.
- Atkins, Frank K., Philadelphia, Pa. Game apparatus. No. 1,077,865; Nov. 4; Gaz. vol. 196; p. 213.
- Atkins, Herbert C., assignor of one-third to E. Dumble and one-third to J. Wegmann, New York, N. Y. Non-refillable bottle. No. 1,055,595; Mar. 11; Gaz. vol. 188; p. 351.
- Atkins, Leslie B., Dayton, assignor of one-half to G. Oldewage, Bellevue, Ky. Expression-rail for pianos. No. 1,050,329; Jan. 14; Gaz. vol. 186; p. 377.
- Atkins, Milton W. (See Mitchell and Atkins.)
- Atkins, William, Auburn, N. Y. Door-operating mechanism for dump-wagons. No. 1,050,713; Jan. 14; Gaz. vol. 186; p. 507.
- Atkinson, Annie P., Gulfport, Miss. Bed attachment. No. 1,066,976; July 8; Gaz. vol. 192; p. 401.
- Atkinson, Asher, *et al.* (See Vought, Henry H., Jr., assignor.)

Alphabetical list of patentees—Continued.

- Atkinson, Charles S., *et al.* (See Hildebrand, Fredrick, assignor.)
- Atkinson, Charles V. M., Madras, India. Preserving the natural flavor of an article of food. No. 1,058,682; Apr. 8; Gaz. vol. 189; p. 486.
- Atkinson, Claude W., Little Hampton, Great Missenden, England. Piano-playing mechanism and the like. No. 1,068,399; July 22; Gaz. vol. 192; p. 956.
- Atkinson, Edward M., Portland, Oreg. Collapsible stand. No. 1,079,385; Nov. 25; Gaz. vol. 196; p. 832.
- Atkinson, Frederick, *et al.* (See Northrop, Walter, assignor.)
- Atkinson, George K., Cincinnati, Ohio. Chuck. No. 1,049,973; Jan. 7; Gaz. vol. 186; p. 221.
- Atkinson, George K., Cincinnati, Ohio. Belt-shifter. No. 1,056,485; Mar. 18; Gaz. vol. 188; p. 687.
- Atkinson, Herbert J., *et al.* (See Northrop, Walter, assignor.)
- Atkinson, Herbert S., East Orange, N. J., assignor to The Hayward Company, New York, N. Y. Bucket. No. 1,056,248; Mar. 18; Gaz. vol. 188; p. 607.
- Atkinson, Wilbur C. (See Asbury and Atkinson.)
- Atkinson, William B., Bowling Green, Ky. Swing. No. 1,065,291; June 17; Gaz. vol. 191; p. 787.
- Atkinson, William R., Homestead, assignor of one-third to J. C. Knode, Munhall, Pa. Toy pistol. No. 1,061,257; May 13; Gaz. vol. 190; p. 273.
- Atlanta Paper Company. (See Roerig, George, assignor.)
- Atlanta Utility Works. (See Nash, Walter D., assignor.)
- Atlantic National Bank. (See Claffin, Charles R. B., assignor.)
- Atlantic National Bank. (See Cummings, Henry H., assignor.)
- Atlantic National Bank. (See Mitchell, Frank, assignor.)
- Atlantic Refining Company, The. (See Van Dyke and Irish, assignors.)
- Atlas Chain Company. (See Evans, Robert N., assignor.)
- Atlas, Jacob, Vista Grande, Cal. Interchangeable window-weight. No. 1,077,924; Nov. 4; Gaz. vol. 196; p. 234.
- Atlas, Louis. (See Burger, Albert, assignor.)
- Atlas Manufacturing Company, The. (See Bradley, Henry L., assignor.)
- Atlas Portland Cement Company, The. (See Passow, Hermann, assignor.)
- Atlas Tack Company. (See Raiche, Andrew, assignor.)
- Attaway, James P., Gray Court, S. C. Wagon-loader. No. 1,066,977; July 8; Gaz. vol. 192; p. 401.
- Attebury, David, *et al.* (See Butler, John R., assignor.)
- Attleboro Chain Company. (See Forsell, Frans E., assignor.)
- Attridge, Oliver H., assignor of one-fourth to W. N. Cox, one-fourth to C. W. Beale, and one-fourth to F. G. Bennett, Montgomery, Ala. Wheel for automobiles and other vehicles. No. 1,081,192; Dec. 9; Gaz. vol. 197; p. 468.
- Atwater, Harry R., assignor to The Osborn Manufacturing Company, Cleveland, Ohio. Mold-making machine. No. 1,061,440; May 13; Gaz. vol. 190; p. 335.
- Atwater, Harry R., assignor to The Osborne Manufacturing Company, Cleveland, Ohio. Mold-making machine. No. 1,067,895; July 22; Gaz. vol. 192; p. 783.
- Atwater, Harry R., assignor to The Osborn Manufacturing Company, Cleveland, Ohio. Mold-making machine. No. 1,070,316; Aug. 12; Gaz. vol. 193; p. 452.
- Atwater Manufacturing Company. (See Mayer, George M., assignor.)
- Atwater, Myron L., Akron, Ohio. Flying-machine. No. 1,060,058; Apr. 29; Gaz. vol. 189; p. 1070.
- Atwell, Florence E., Atlanta, Ga. Skirt-measure. No. 1,053,964; Feb. 25; Gaz. vol. 187; p. 838.
- Atwood, Clarence B., assignor to National Sewing Machine Company, Belvidere, Ill. Turret-lathe. No. 1,068,728; July 29; Gaz. vol. 192; p. 1108.
- Atwood, Daniel H., Hendricks township, Shelby county, Ind. Conveyor-protector for harvesters. No. 1,060,059; Apr. 29; Gaz. vol. 189; p. 1071.
- Atwood, Ernest O. (See Talbot, Ivan F., assignor.)
- Atwood, George F., New York, N. Y., assignor to Western Electric Company, Chicago, Ill. Combined magnetic and centrifugal brake. No. 1,067,454; July 15; Gaz. vol. 192; p. 601.
- Atwood, James T., Rockford, Ill. Vacuum-cleaner. No. 1,060,964; May 6; Gaz. vol. 190; p. 140.
- Atwood, Leonard, Boston, Mass. Carbureter. No. 1,073,727; Sept. 23; Gaz. vol. 194; p. 803.
- Atwood, Leonard, Boston, Mass., assignor of one-half to C. F. Pope, New York, N. Y. Fishing-reel. No. 1,073,728; Sept. 23; Gaz. vol. 194; p. 804.
- Atwood Machine Co., The. (See Henry, John S., assignor.)
- Atwood Machine Company, The. (See Chesebro, Erastus D., assignor.)
- Aubery, James M., Los Angeles, Cal. Auxiliary air-inlet device for internal-combustion engines. No. 1,050,200; Jan. 14; Gaz. vol. 186; p. 332.
- Aubeuf, Frank H., assignor of one-half to F. J. Aubeuf, Oneida, N. Y. Dirigible headlight. No. 1,076,402; Oct. 21; Gaz. vol. 195; p. 679.
- Aubeuf, Frank J. (See Aubeuf, Frank H., assignor.)
- Auble, Andrew, Jr., Akron, Ohio. Charging and distributing device for explosive-engines. No. 1,069,665; Aug. 12; Gaz. vol. 193; p. 228.
- Aubol, Julius A., Plaza, N. D. Ice-machine. No. 1,068,405; July 29; Gaz. vol. 192; p. 997.
- Auburn Ignition Manufacturing Co., The. (See Raves, Ewald A., assignor.)
- Auburn, Mamie. (See Celene, Charles, assignor.)
- Auchu, Henry, Emporium, Pa. Shell-closing machine. No. 1,058,522; Apr. 8; Gaz. vol. 189; p. 432.
- Auchu, Henry, Emporium, Pa. Shell-closing machine. No. 1,058,523; Apr. 8; Gaz. vol. 189; p. 432.
- Auchu, Henry, Emporium, Pa. Machine for packing dynamites and other high explosives into shells. No. 1,071,683; Sept. 2; Gaz. vol. 194; p. 4.
- Auchu, Henry, Emporium, Pa. Machine for packing dynamites and other high explosives into shells. No. 1,074,923; Oct. 7; Gaz. vol. 195; p. 114.
- Aud, Thomas E., Herndon, Va. Life-saving device. No. 1,065,017; June 17; Gaz. vol. 191; p. 696.
- Audet, Armel L. (See Mathieu, George, assignor.)
- Audet, Arthur, Los Angeles, Cal. Dry concentrating apparatus. No. 1,075,959; Oct. 14; Gaz. vol. 195; p. 498.
- Audibert, Stephen R., Fort Kent, Me. Wrench. No. 1,081,193; Dec. 9; Gaz. vol. 197; p. 468.
- Auensen, Martin, Clement, Cal. Rotary gas-engine. No. 1,069,516; Aug. 5; Gaz. vol. 193; p. 148.
- Auer, George S., assignor to The Auer Register Company, Cleveland, Ohio. Wall-register-door holder. No. 1,082,788; Dec. 30; Gaz. vol. 197; p. 1113.
- Auer Register Company, The. (See Auer, George S., assignor.)
- Auerbach, Marcus, Montreal, assignor of one-half to J. F. Poirier, St. Hyacinthe, Quebec, Canada. Collar-stud. No. 1,081,650; Dec. 16; Gaz. vol. 197; p. 658.
- Aufenast, Verona, St. Paul, Minn. Dinner-pail heater. No. 1,051,186; Jan. 21; Gaz. vol. 186; p. 707.
- Auiero, Emanuel, Brooklyn, N. Y. Mechanical horn. No. 1,078,529; Nov. 11; Gaz. vol. 196; p. 474.
- Auiero, Emanuel, Brooklyn, N. Y. Alarm device. No. 1,082,458; Dec. 23; Gaz. vol. 197; p. 961.
- Aug. Goertz & Co. (See Eigen, Benno vom, assignor.)
- Aug. Goertz & Co. (See Goertz, Frederick, assignor.)
- Augenbraun, Peter F., assignor to The Yale & Towne Manufacturing Company, Stamford, Conn. Knob-spindle and means for securing knobs thereto. No. 1,058,524; Apr. 8; Gaz. vol. 189; p. 433.
- Augenbraun, Peter F., assignor to The Yale & Towne Manufacturing Company, Stamford, Conn. Lock. No. 1,060,413; Apr. 29; Gaz. vol. 189; p. 1196.
- Auger, Daniel, Floodwood, Minn. Receptacle-cover fastener. No. 1,057,318; Mar. 25; Gaz. vol. 188; p. 1003.
- Auger, Joseph T., Minneapolis, Minn. Buttonhole guide-clamp. No. 1,076,183; Oct. 21; Gaz. vol. 195; p. 602.
- Augezd, Adolf O. von, Baden, near Vienna, Austria-Hungary. Parachute. No. 1,081,137; Dec. 9; Gaz. vol. 197; p. 450.
- Augur, Robert C., assignor to The Westinghouse Air Brake Company, Pittsburgh, Pa. Compound steam-pump. No. 1,061,969; May 20; Gaz. vol. 190; p. 555.
- Augur, Robert C., assignor to The Westinghouse Air Brake Company, Pittsburgh, Pa. Steam-pump. No. 1,061,970; May 20; Gaz. vol. 190; p. 556.
- August Maag Company of Baltimore City, The. (See Leamann, James E., assignor.) (Reissue.)
- Augustine, George R., Tacoma, Wash. Flexible joint. No. 1,049,438; Jan. 7; Gaz. vol. 186; p. 41.
- Ault, Edwin. (See Travis and Ault.)
- Aultman & Taylor Machinery Company, The. (See Seaman, George W., assignor.)
- Aultman & Taylor Machinery Company, The. (See Whitling and Koppes, assignors.)
- Aumann, Louis A., Chicopee, Mass. Loom. No. 1,065,766; June 24; Gaz. vol. 191; p. 987.
- Aumend, Pyrl T. (See Armstrong and Aumend.)
- Aumont, Albert, Montreal, Quebec, Canada. Bathing-shoe. No. 1,074,595; Oct. 7; Gaz. vol. 195; p. 3.
- Aumüller, Anton, Munich, Germany. Hood of motor-cars. No. 1,074,232; Sept. 30; Gaz. vol. 194; p. 1001.
- Aun, John. (See Wilson, John, assignor.)
- Aune, Hans J., Crookston, Minn. Plow. No. 1,081,194; Dec. 9; Gaz. vol. 197; p. 468.
- Aunger, Clyde A., San Francisco, Cal. Artificial knee-joint. No. 1,074,233; Sept. 30; Gaz. vol. 194; p. 1001.
- Aunkst, William H., Milton, Pa. Pneumatic pump. No. 1,072,806; Sept. 9; Gaz. vol. 194; p. 418.
- Auracher, Dorothy D. (See Dyrenforth, Dorothy.)
- Aurand, Frank E., Chicago, Ill. Perculator. No. 1,054,486; Feb. 25; Gaz. vol. 187; p. 1016.
- Aurentz, Louis E., *et al.* (See Runser, John, assignor.)
- Auringer, John J., Cohoes, N. Y. Battery-electrode. No. 1,081,277; Dec. 9; Gaz. vol. 197; p. 498.
- Aurora Automatic Machinery Company. (See Levedahl, Axel, assignor.)
- Aurora Automatic Machinery Company. (See Norling, Reinhold A., assignor.)
- Aurora Automatic Machinery Company. (See Sperry, Frank E., assignor.)
- Ausman, Andrew E., *et al.* (See Gundersen, Gilbert S., assignor.)

Alphabetical list of patentees—Continued.

- Austin, A. T. (See Anderson, Charles O., assignor.)
 Austin Adding Machine Corporation, of Delaware. (See Austin, Sydney B., assignor.)
 Austin, Atwell. (See Crume and Austin.)
 Austin, Atwell, Pawnee, assignor of one-half to H. Jackson, Pawnee county, Okla. Journal-box. No. 1,070,317; Aug. 12; Gaz. vol. 193; p. 453.
 Austin, Ben A. (See Wilkinson and Austin.)
 Austin, De Roy, Omaha, Nebr. Shoe. No. 1,055,695; Mar. 11; Gaz. vol. 188; p. 386.
 Austin, De Roy, Omaha, Nebr. Shoe. No. 1,075,806; Oct. 14; Gaz. vol. 195; p. 446.
 Austin, De Roy, Omaha, Nebr. Shoe. No. 1,078,571; Nov. 11; Gaz. vol. 196; p. 488.
 Austin, De Roy, Omaha, Nebr. Shoe. No. 1,079,535; Nov. 25; Gaz. vol. 196; p. 882.
 Austin, Frederick C. (See Bathrick, Charles E., assignor.)
 Austin, Frederick C. (See Bunnell, Morton G., assignor.)
 Austin, Frederick C. (See Jacobs, Charles C., assignor.)
 Austin, Frederick C., Chicago, Ill. Window-ventilator. No. 1,081,195; Dec. 9; Gaz. vol. 197; p. 468.
 Austin, George B. H., Melbourne, Victoria, Australia. Automatic balancing and horizontal sustaining aeroplane. No. 1,052,204; Feb. 4; Gaz. vol. 187; p. 125.
 Austin, Herbert, Bromsgrove, England. Sheet-metal wheel. No. 1,071,684; Sept. 2; Gaz. vol. 194; p. 4.
 Austin, Herbert, Bromsgrove, England. Cross-slide of lathes of the turret type. No. 1,074,924; Oct. 7; Gaz. vol. 195; p. 114.
 Austin, Herbert, Bromsgrove, England. Machine of the turret type for turning and like operations. No. 1,076,734; Oct. 28; Gaz. vol. 195; p. 850.
 Austin, Herbert, San Antonio, Tex. Hose-nozzle holder. No. 1,078,817; Nov. 18; Gaz. vol. 196; p. 607.
 Austin, John, Geneva, Ohio. Mouthpiece for smokers' articles. No. 1,073,315; Sept. 16; Gaz. vol. 194; p. 637.
 Austin, John T., assignor to Austin Organ Company, Hartford, Conn. Combination organ stop-action. No. 1,078,078; Nov. 11; Gaz. vol. 196; p. 319.
 Austin, John T., assignor to Austin Organ Company, Hartford, Conn. Combination organ stop-action. No. 1,078,079; Nov. 11; Gaz. vol. 196; p. 319.
 Austin Manufacturing Company. (See Morenus, Beatty, and Moats, assignors.)
 Austin Manufacturing Company. (See Morenus, William H., assignor.)
 Austin Manufacturing Company, The. (See Mustin, Herbert S., assignor.)
 Austin, Minerva S. (See Noyes, Arthur A., assignor.)
 Austin, Nelson E., Danbury, Conn. Irrigation-box. No. 1,052,121; Feb. 4; Gaz. vol. 187; p. 96.
 Austin Organ Company. (See Austin, John T., assignor.)
 Austin, Samuel, assignor of two-thirds to J. and F. W. Dart, Hartford, Conn. Signal-horn. No. 1,066,461; July 8; Gaz. vol. 192; p. 223.
 Austin, Samuel E. (See Dickinson, Charles E., assignor.)
 Austin, Samuel Y., and R. Dallis, assignors to The Unity Cotton Mills, Lagrange, Ga. Spool. No. 1,050,785; Jan. 21; Gaz. vol. 186; p. 567.
 Austin, Samuel Y., and R. Dallis, assignors to The Unity Cotton Mills, Lagrange, Ga. Twisting-machine. No. 1,050,786; Jan. 21; Gaz. vol. 186; p. 567.
 Austin, Sterling P. (See Hobson, John H., assignor.)
 Austin, Sydney B., Pikesville, Md., assignor, by mesne assignments, to Austin Adding Machine Corporation, of Delaware. Accumulator for adding-machines. No. 1,071,382; Aug. 26; Gaz. vol. 193; p. 885.
 Austin, William A., and L. E. Feightner, assignors to Lima Locomotive Corporation, Lima, Ohio. Geared locomotive with independently-hung axles. No. 1,077,580; Nov. 4; Gaz. vol. 196; p. 118.
 Austin, William E., Fort Worth, Tex. Attachment for cabinets. No. 1,077,027; Oct. 28; Gaz. vol. 195; p. 954.
 Auto Air Appliance Company, The. (See Crouse and Eidson, assignors.)
 Auto Compressed-Air Wheel Company. (See Gruss, Lucien R., assignor.)
 Auto-Electric Refrigerating Company. (See Bishop, Frank, assignor.)
 Auto Falcon & Waite Die Press Company. (See Waite, Fred, assignor.)
 Auto Improvements Company. (See Peckham, Harold C., assignor.)
 Auto Machine Company. (See Vanskiver, William H., assignor.)
 Auto Pneumatic Action Co. (See Danquard, Thomas, assignor.)
 Auto Pneumatic Action Company. (See La Joie, Herbert J., assignor.)
 Auto-Pneumatic Swimming Belt. (See Nekarda, Mabel D., assignor.)
 Auto Safety Signal Lamp Company. (See Fortmann, Gustave, assignor.)
 Auto-Sales Gum and Chocolate Company. (See Patterson, James W., assignor.)
 Auto Sectional Leather Tire Company. (See Biener, Herman L., assignor.)
 Auto Speed Signal Company. (See Elliott, Harlie R., assignor.)
 Auto Strop Company. (See Galsman, Henry J., assignor.)
 Auto Wind Shield Company. (See White, Herbert H., assignor.)
 Autokal Syndicate Limited, The. (See Barr and Clarke, assignors.)
 Automata Company. (See Wolfe and Morton, assignors.)
 Automatic Alarm Lock Company. (See Shelman, Morris, assignor.) (Reissue.)
 Automatic Bookkeeping Register Company. (See Fogg, Charles F., assignor.) (Reissue.)
 Automatic Concrete Machinery Company. (See Nolan, Oliver, assignor.)
 Automatic Concrete Mixer Company. (See Hains, Peter C., Sr., assignor.)
 Automatic Electric Company. (See Blessing, John G., assignor.)
 Automatic Electric Company. (See Erickson, John, assignor.)
 Automatic Electric Company. (See Fales, Edward D., assignor.)
 Automatic Electric Company. (See Keith, Alexander E., assignor.)
 Automatic Electric Company. (See Newforth, Frank, Jr., assignor.)
 Automatic Enunciator Company. (See Comer, John J., assignor.)
 Automatic Fire Protection Company. (See Shepherd, John E., assignor.)
 Automatic Free Directory Company of America. (See Tas, Herman, assignor.)
 Automatic Furnace Company. (See Sheehan, Thomas C., assignor.)
 Automatic Gas Lighting Equipment Co. (See Shaw, Al B., assignor.)
 Automatic Gun Control Company. (See Ryan, James B., assignor.) (Reissue.)
 Automatic Heating Company. (See Armstrong, Charles G., assignor.)
 Automatic Hook & Eye Company. (See Aronson, Peter A., assignor.)
 Automatic Hook and Eye Company. (See Sundbach, Gideon, assignor.)
 Automatic Lamp Control Company, The. (See Meeker, William B., assignor.)
 Automatic Lighting Company. (See Seamon, Percy R., assignor.)
 Automatic Liquid Box Company. (See Dean, Elmer G., assignor.)
 Automatic Liquid Box Company. (See Woodward and Dean, assignors.)
 Automatic Machine Company. (See Northrup, Elmer C., assignor.)
 Automatic Machinery Manufacturing and Sales Company. (See Gaynor, Abraham M., assignor.)
 Automatic Machinery Manufacturing and Sales Company. (See Gaynor, John J., assignor.)
 Automatic Packing & Labeling Company. (See Gwinn, George W., assignor.)
 Automatic Racking Machine Company. (See Colby and Sippel, assignors.)
 Automatic Pipe Cleaner Syndicate Limited. (See Shepherd, Frederick H. S., assignor.)
 Automatic Press Feeder Company. (See Kirkman, Karl F., assignor.)
 Automatic Production Meter Company. (See Johnson, Austin C., assignor.)
 Automatic Recording Safe Company, The. (See Fisher, Charles, assignor.)
 Automatic Scale Vending Company, The. (See Craig and Coffman, assignors.)
 Automatic Sprinkler Company of America. (See Brainard, Sidney W., assignor.)
 Automatic Strapping Machine Company. (See Slagle, Elmer E., assignor.)
 Automatic Switch Company. (See Darrin, David H., assignor.)
 Automatic Tile Machine Company, The. (See Achert, William K., assignor.)
 Automatic Tire Rest Company. (See Stewart, McElmer, assignor.)
 Automatic Trip Carrier Manufacturing Company. (See Fredrickson, Christian, assignor.)
 Automatic Vacuum Canning Company. (See Norton, Edwin, assignor.)
 Automatic Vacuum Pump Company. (See Sparks and Eddins, assignors.)
 Automatic Vending Machines Co., The. (See Coffman and Craig, assignors.)
 Automatic Vending Machines Co., The. (See Craig and Coffman, assignors.)
 Automatic Weighing Machine Company. (See Thomas, Edward G., assignor.)
 Automatic Weighing Machine Company. (See Tremaine, Edward G., assignor.)
 Automobile Combination Lock and Circuit Breaker Company. (See Buckeye, George J., assignor.)
 Autoplate Company of America, The. (See Healy, John S., assignor.)
 Autoplate Company of America. (See Hopkins, Charles E., assignor.)

Alphabetical list of patentees—Continued.

- Autoplate Company of America, The. (See Wood, Henry A. W., assignor.)
- Autoplate Company of America, The. (See Wood, Henry A. W., assignor.) (Reissue.)
- Autopress Company, The. (See Freeman, Rufus A., assignor.)
- Autopress Company, The. (See Vierengel, Matthew, assignor.)
- Autosales Gum and Chocolate Company. (See Bowers, Frank A., assignor.)
- Autosales Gum and Chocolate Company. (See Kelly, Samuel J., assignor.) (Reissue.)
- Autosales Gum and Chocolate Company. (See Kelly and Webster, assignors.)
- Autosales Gum and Chocolate Company. (See Webster, John A., assignor.)
- Auty, Frank, New York, N. Y. Plumber's kit. No. 1,075,239; Oct. 7; Gaz. vol. 195; p. 224.
- Auvil, Troy E., Fairmont, W. Va. Artificial limb. No. 1,076,861; Oct. 28; Gaz. vol. 195; p. 895.
- Avansino, Romeo C. (See Herbst and Avansino.)
- Aven, Scottie H., Burton, Tex. Spool. No. 1,052,303; Feb. 4; Gaz. vol. 187; p. 157.
- Averell, Lorenzo C., Cambria, N. Y. Road hone-scraper. No. 1,070,381; Aug. 12; Gaz. vol. 193; p. 475.
- Avery, Arthur H. (See Lesser and Avery.)
- Avery, Ben E., and G. H. Fife, Carriers Mills, Ill. Cement fence-post. No. 1,055,596; Mar. 11; Gaz. vol. 188; p. 352.
- Avery, Cassius B., M. C. and L. A. Alvesson, Duluth, Minn. Hanging tent. No. 1,081,481; Dec. 16; Gaz. vol. 197; p. 605.
- Avery, Charles E., Jersey City, N. J., assignor to Manhattan Electrical Supply Company, New York, N. Y. Electric switch. No. 1,078,404; Nov. 11; Gaz. vol. 196; p. 434.
- Avery Company. (See Bartholomew, John B., assignor.)
- Avery Company. (See Biebinger, David A., assignor.)
- Avery Company. (See Solomon, Edgar J., assignor.)
- Avery Company. (See Springer, William N., assignor.)
- Avery, Eugene H., Bradgate, Iowa. Gearing for motor-vehicles. No. 1,074,341; Sept. 30; Gaz. vol. 194; p. 1036.
- Avery, Frank C. (See Burnette and Avery.)
- Avery, Irving L., et al. (See Harrison, Henry, assignor.)
- Avery, James D., Ogden, Utah. Clothes-pounder. No. 1,064,679; June 10; Gaz. vol. 191; p. 551.
- Avery, Lewis B., Bridgewater, Mich. Rein-guard. No. 1,077,327; Nov. 4; Gaz. vol. 196; p. 30.
- Avery, Meredith D., Kansas City, Mo. Apparatus for the purification of water and other liquids. No. 1,066,570; July 8; Gaz. vol. 192; p. 261.
- Avery, Sarah E., Columbia, S. C. Combined stove implement. No. 1,054,382; Feb. 25; Gaz. vol. 187; p. 980.
- Avery Scale Company. (See Welsh, Henry W., assignor.)
- Avery, Ulysses S., assignor of one-half to J. W. Berryman, Ashland, Kans. Screen. No. 1,073,016; Sept. 9; Gaz. vol. 194; p. 495.
- Avis, Americus B., Pomona, Cal. Fly-trap. No. 1,068,557; July 29; Gaz. vol. 192; p. 1047.
- Avisus, Leopold, assignor to Brambach Piano Company, New York, N. Y. Key-frame guide. No. 1,053,551; Feb. 18; Gaz. vol. 187; p. 661.
- Avret, John V., Greshamville, Ga. Seed-drill. No. 1,065,201; June 17; Gaz. vol. 191; p. 756.
- Awald, John W., Dunkirk, N. Y. Shade and curtain hanger. No. 1,074,033; Sept. 23; Gaz. vol. 194; p. 905.
- Axelson Machine Co. (See Deuel, Joseph J., assignor.)
- Axford, Harris W., Chicago, Ill. Incubator. No. 1,062,687; May 27; Gaz. vol. 190; p. 837.
- Axford, Robert M., Corvallis, Oreg. Drinking-cup. No. 1,062,578; May 27; Gaz. vol. 190; p. 801.
- Axt, Frederick G., and B. B. Goodrich, assignors of one-third to W. J. Birken, Newark, N. J. Vending apparatus or machine. No. 1,053,897; Feb. 18; Gaz. vol. 187; p. 777.
- Axtell, Lucius, Deposit, N. Y. Grinding-machine. No. 1,067,577; July 15; Gaz. vol. 192; p. 642.
- Ayars, Charles H., assignor to Ayars Machine Company, Salem, N. J. Can-filling machine. No. 1,073,067; Sept. 9; Gaz. vol. 194; p. 513.
- Ayars, Charles H., assignor to Ayars Machine Company, Salem, N. J. Can feed and transfer mechanism. No. 1,075,891; Oct. 14; Gaz. vol. 195; p. 474.
- Ayars Machine Company. (See Ayars, Charles H., assignor.)
- Aydelott, William T., et al. (See Williamson, Newton H., assignor.)
- Ayer, Albertus W., Lawrence, Kans. Fruit-picker. No. 1,064,881; June 17; Gaz. vol. 191; p. 652.
- Ayer, Alton E., assignor of one-half to J. Baxter, Boston, Mass. Warning device for telephone-booths and the like. No. 1,077,900; Nov. 4; Gaz. vol. 196; p. 225.
- Ayer, Alton E., assignor of one-half to J. Baxter, Boston, Mass. Closure for milk-jars and the like. No. 1,082,989; Dec. 30; Gaz. vol. 197; p. 1181.
- Ayer, Frederick H., Chicago Heights, Ill. Ratchet-driving mechanism. No. 1,072,807; Sept. 9; Gaz. vol. 194; p. 419.
- Ayer, Luther S., Winchester, Mass., assignor, by mesne assignments, to Alma Manufacturing Company of Baltimore City, Baltimore, Md. Buckle. No. 1,080,672; Dec. 9; Gaz. vol. 197; p. 292.
- Ayers, Elmer, Ashland, Ky. Transporting device for wire rods. No. 1,058,707; Apr. 15; Gaz. vol. 189; p. 531.
- Ayers, James R., Petersburg, Va. Guano-sower. No. 1,068,381; July 22; Gaz. vol. 192; p. 950.
- Ayerst, Harry C. (See Celie and Ayerst.)
- Aylsworth, Jonas W., East Orange, N. J. Plastic phenolic condensation product. (Reissue.) No. 1,531; Feb. 11; Gaz. vol. 187; p. 481.
- Aylsworth, Jonas W., East Orange, assignor, by mesne assignments, to Thomas A. Edison, Incorporated, West Orange, N. J. Making duplicate phonograph-records. No. 1,060,577; May 6; Gaz. vol. 190; p. 4.
- Aylsworth, Jonas W., East Orange, assignor, by mesne assignments, to Thomas A. Edison, Incorporated, West Orange, N. J. Talking-machine. No. 1,062,579; May 27; Gaz. vol. 190; p. 801.
- Aylsworth, Jonas W., assignor to Condensite Company of America, East Orange, N. J. Cement for pipe connections, &c. No. 1,065,495; June 24; Gaz. vol. 191; p. 895.
- Aylsworth, Jonas W., assignor to Condensite Company of America, East Orange, N. J. Material for roofing, &c., and preparing the same. No. 1,077,113; Oct. 28; Gaz. vol. 195; p. 981.
- Aylsworth, Jonas W., East Orange, assignor to New Jersey Patent Company, West Orange, N. J. Apparatus for producing duplicate sound-records. No. 1,071,685; Sept. 2; Gaz. vol. 194; p. 5.
- Aylsworth, Jonas W., East Orange, assignor to New Jersey Patent Company, West Orange, N. J. Molding phonograph-records. No. 1,075,807; Oct. 14; Gaz. vol. 195; p. 446.
- Aylsworth, Jonas W., East Orange, assignor of one-half to F. L. Dyer, Montclair, N. J. Fire-extinguishing fluid. No. 1,078,030; Nov. 11; Gaz. vol. 196; p. 302.
- Aylsworth, Jonas W., East Orange, and F. L. Dyer, Montclair, N. J. Apparatus for distilling liquids and fusible solids. No. 1,079,093; Nov. 18; Gaz. vol. 196; p. 702.
- Aylsworth, Jonas W., East Orange, and E. L. Aiken, Orange, assignors, by mesne assignments, to Thomas A. Edison, Incorporated, West Orange, N. J. Making sound-record molds. No. 1,061,258; May 13; Gaz. vol. 190; p. 273.
- Aylward, Henry W., New York, N. Y. Electrically-controlled signaling apparatus. No. 1,081,941; Dec. 23; Gaz. vol. 197; p. 785.
- Ayotte, Joseph R., assignor to Alexander Airless Auto Wheel Co., Chicago, Ill. Resilient wheel. No. 1,080,621; Dec. 9; Gaz. vol. 197; p. 275.
- Ayres, A. C. (See Wheelchel, Bert, assignor.)
- Ayres, Clinton J., Saranac Lake, N. Y. Collapsible couch. No. 1,072,297; Sept. 2; Gaz. vol. 194; p. 212.
- Ayres, Elwood B., assignor to The Philadelphia Textile Machinery Company, Philadelphia, Pa. Drier for soap. No. 1,060,414; Apr. 29; Gaz. vol. 189; p. 1196.
- Ayres, Elwood B., assignor to The Philadelphia Textile Machinery Company, Philadelphia, Pa. Drier. No. 1,074,034; Sept. 23; Gaz. vol. 194; p. 905.
- Ayres, Gustav, Washington, D. C., assignor to J. C. Calhoun, New York, N. Y. Liquid-fuel furnace. No. 1,076,342; Oct. 21; Gaz. vol. 195; p. 658.
- Ayres, Jefferson D., Rock Hall, Md. Chimney-flue. No. 1,060,415; Apr. 29; Gaz. vol. 189; p. 1197.
- Ayres, Wallace S., Hazelton, Pa. Coal cleaning and separating machine. No. 1,069,517; Aug. 5; Gaz. vol. 193; p. 148.
- Ayvad, Hachig A., Hoboken, N. J. Swimming-bag. No. 1,058,402; Apr. 8; Gaz. vol. 189; p. 392.
- Azadian, Akabi R. (See Azadian, Harutün B., assignor.)
- Azadian, Harutün B., assignor to A. R. Azadian, Syracuse, N. Y. Pressure-gage. No. 1,072,415; Sept. 9; Gaz. vol. 194; p. 281.
- B. A. Ballou and Company. (See Kraemer, Augustus F., assignor.)
- B. A. Ballou and Company. (See Maker, Ralph K., assignor.)
- B. A. Ballou & Company. (See Middlebrook, William W., assignor.)
- B. A. Ballou & Company. (See Morehouse, Eugene, assignor.)
- B. F. Cummins Company, The. (See Gasman and Murray, assignors.)
- B. F. Cummins Company, The. (See Lynch, John T., assignor.)
- B. F. Cummins Company, The. (See Lynch and Bolton, assignors.)
- B. F. Cummins Company, The. (See Rehak, James, assignor.)
- B. F. Goodrich Company, The. (See Bennett, Thomas A., assignor.)
- B. F. Goodrich Company, The. (See Gammeter, John R., assignor.)
- B. F. Goodrich Company, The, et al. (See Gilbert, Joseph M., assignor.)

Alphabetical list of patentees—Continued.

- B. F. Goodrich Company, The. (See Kepler, Irwin F., assignor.)
- B. F. Goodrich Company, The. (See Shaw, Edwin C., assignor.)
- B. F. Goodrich Company, The, *et al.* (See Wagenhorst, James H., assignor.)
- B. F. Perkins and Son. (See Beck, John L., assignor.)
- B. F. Perkins and Son. (See Cleveland, Fred P., assignor.)
- B. F. Sturtevant Company. (See Balcome, Herbert A., assignor.)
- B. F. Sturtevant Company. (See Beyer, Otto S., assignor.)
- B. F. Sturtevant Company. (See Breaker, Harry O., assignor.)
- B. F. Sturtevant Company. (See Freeman, Ernest B., assignor.)
- B. F. Sturtevant Company. (See Godfrey, William A., assignor.)
- B. F. Sturtevant Company. (See Lyons, John F., assignor.)
- B. F. Sturtevant Company. (See Middleton, Harry N., assignor.)
- B. F. Sturtevant Company. (See Williams, Eugene B., assignor.)
- B. T. Babbitt. (See Pullen and Broeckel, assignors.)
- B. T. U. Company. (See Henry, William C. A., assignor.)
- Baade, Andrew N., Spokane, Wash. Rotary pump. No. 1,050,905; Jan. 21; Gaz. vol. 186; p. 611.
- Baar, Peter, Chicago, Ill. Fire-bucket. No. 1,068,476; July 29; Gaz. vol. 192; p. 1021.
- Babb, Jesse D., Dallas, Ga. Combined halter and yoke. No. 1,077,251; Nov. 4; Gaz. vol. 196; p. 4.
- Babbitt, George E., Albany, N. Y. Hopper-bottom car. No. 1,066,978; July 8; Gaz. vol. 192; p. 402.
- Babbitt, Harry A., assignor to Modern Gin and Compress Company, Little Rock, Ark. Steam-supplied carbureter. No. 1,059,967; Apr. 29; Gaz. vol. 189; p. 1039.
- Babbitt, Walker E., Worcester, Mass. Wheel. No. 1,076,735; Oct. 28; Gaz. vol. 195; p. 850.
- Babcock, Albert C. (See Schwartz and Babcock.)
- Babcock, Frank D. (See Ryden and Babcock.)
- Babcock, Frank D., and F. S. Rand, Providence, R. I., assignors to Universal Winding Company, Portland, Me. Yarn-guide. No. 1,049,798; Jan. 7; Gaz. vol. 186; p. 163.
- Babcock, Frederic W. (See Beach and Babcock.)
- Babcock, George K., Millport, N. Y. Lamp-bracket for power-driven vehicles. No. 1,082,618; Dec. 30; Gaz. vol. 197; p. 1052.
- Babcock, Sheridan, Iowa Falls, Iowa. Vehicle chassis or frame. No. 1,071,498; Aug. 26; Gaz. vol. 193; p. 923.
- Babcock & Wilcox Company, The. (See Bell, John E., assignor.)
- Babcock & Wilcox Company, The. (See Higgins, Campbell P., assignor.)
- Babcock & Wilcox Company, The. (See Jacobus, David S., assignor.)
- Babcock & Wilcox Company, The. (See Pratt, Arthur D., assignor.)
- Babcock & Wilcox Company, The. (See Sewall, Minott W., assignor.)
- Babcock & Wilcox Company, The. (See Wells, Edward H., assignor.)
- Babé, Jules, Honfleur, France. Separation of lead and zinc. No. 1,073,461; Sept. 16; Gaz. vol. 194; p. 688.
- Babin, Robert M., and J. Miserez, assignors to American Pin Company, Waterbury, Conn. Safety-pin guard. No. 1,065,894; June 24; Gaz. vol. 191; p. 1030.
- Babson, Henry B., Chicago, Ill. Clutch. No. 1,079,094; Nov. 18; Gaz. vol. 196; p. 703.
- Babson, Henry B., Chicago, Ill., and A. Haug, Caldwell, N. J., assignors to Universal Talking Machine Manufacturing Company. Talking-machine. No. 1,074,080; Sept. 23; Gaz. vol. 194; p. 921.
- Babson, Henry B., Chicago, Ill., and A. Haug, Caldwell, N. J., assignors, by mesne assignments, to Victor Talking Machine Company. Talking-machine. No. 1,076,621; Oct. 21; Gaz. vol. 195; p. 758.
- Bach, Albert D., Hornitos, Cal. Vise attachment. No. 1,054,740; Mar. 4; Gaz. vol. 188; p. 30.
- Bach, Anton M., San Francisco, Cal. Internal-combustion engine. No. 1,080,800; Dec. 9; Gaz. vol. 197; p. 339.
- Bach, Frank, *et al.* (See Boom, John H., assignor.)
- Bach, Julius H., Chicago, Ill. Apparatus for facilitating the burning of brick. No. 1,071,014; Aug. 26; Gaz. vol. 193; p. 761.
- Bache, Ernest W., West Bromwich, England. Paper-guide for type-writing machines. No. 1,055,853; Mar. 11; Gaz. vol. 188; p. 439.
- Bache, Leigh S., Boundbrook, N. J. Process of treating and coloring wood and product of such process. No. 1,077,252; Nov. 4; Gaz. vol. 196; p. 4.
- Bache, Leigh S., assignor to Graphite Lubricating Company, Boundbrook, N. J. Self-lubricating wood bearing and surface. No. 1,076,941; Oct. 28; Gaz. vol. 195; p. 924.
- Bachelet, Emile, Mount Vernon, N. Y., assignor of one-half to M. R. Bracewell, North Adams, Mass. Levitating apparatus for conveying ammunition, &c. No. 1,051,056; Jan. 21; Gaz. vol. 186; p. 664.
- Bachman, Frank E., Port Henry, N. Y. Mixer for gaseous fuel. No. 1,061,655; May 13; Gaz. vol. 190; p. 412.
- Bachmann, Edward A., Fort Atkinson, Wis. Automatic door-operating mechanism. No. 1,058,286; Apr. 8; Gaz. vol. 189; p. 350.
- Bachmann, Gustav A., Baltimore, Md. Combining air and gas and utilizing the same in an internal-combustion engine. No. 1,054,080; Feb. 25; Gaz. vol. 187; p. 377.
- Bachmann, Paul G., and A. F. Henke, Chicago, Ill. Metallic lace. No. 1,075,320; Oct. 14; Gaz. vol. 195; p. 279.
- Bachmann, Siegmund, Chicago, Ill. Box. No. 1,083,048; Dec. 30; Gaz. vol. 197; p. 1199.
- Back, August C., Spring Hill, Kans. Hame-clip. No. 1,080,801; Dec. 9; Gaz. vol. 197; p. 339.
- Backlund, Isaac A., Spokane, Wash. Boiler-pressure regulator. No. 1,068,295; July 22; Gaz. vol. 192; p. 920.
- Backlund, Johanna, Maiden Rock, Wis. Combined letter-sheet and envelop. No. 1,068,834; July 29; Gaz. vol. 192; p. 1147.
- Backmire, George H., Philadelphia, Pa. Vapor-absorber, smoke and soot preventer, and heat-retainer. No. 1,076,942; Oct. 28; Gaz. vol. 195; p. 924.
- Backmyer, Christopher F., Chicago, Ill. Pen. No. 1,055,507; Mar. 11; Gaz. vol. 188; p. 324.
- Backstrom, Fridolf F., Chicago, Ill. Protecting device for automobiles. No. 1,067,710; July 15; Gaz. vol. 192; p. 688.
- Backus, Edward A., Little Rock, Ark. Watering-trough. No. 1,065,767; June 24; Gaz. vol. 191; p. 987.
- Backus, Frederick E., executor. (See Backus, Quimby S.)
- Backus Heater Company. (See Backus, Quimby S., assignor.)
- Backus, Peter J., Delphos, Ohio. Life-detecting apparatus. No. 1,061,802; May 13; Gaz. vol. 190; p. 458.
- Backus, Quimby S., deceased; F. E. Backus, Brandon, Vt., executor, assignor to Backus Heater Company. Portable gas-log fireplace. No. 1,079,686; Nov. 25; Gaz. vol. 196; p. 935.
- Bacon, Albert D., Jr., Mount Washington, Pa. Ice-creeper. No. 1,058,343; Apr. 8; Gaz. vol. 189; p. 371.
- Bacon, Charles, Fresno, Cal. Brace for use in packing boxes and crates in railway-cars. No. 1,075,001; Oct. 7; Gaz. vol. 195; p. 140.
- Bacon, Ellis W. (See Sadtler, Samuel S., assignor.)
- Bacon, Frank W., Los Angeles, Cal. Tariff-book. No. 1,074,684; Oct. 7; Gaz. vol. 195; p. 35.
- Bacon, Frederick T. H., New York, N. Y. Spark-plug. No. 1,066,979; July 8; Gaz. vol. 192; p. 402.
- Bacon, George T. (See Brown, J. Grove, assignor.)
- Bacon, George W., London, England. Map, chart, and geographical diagram. No. 1,050,596; Jan. 14; Gaz. vol. 186; p. 471.
- Bacon, Henry D., Bath, Me. Stuffing-box and bearing for shafts of marine propellers. No. 1,075,080; Oct. 7; Gaz. vol. 195; p. 170.
- Bacon, Paul H., New York, N. Y. Meter-service lead connection for three-wire systems. No. 1,052,555; Feb. 11; Gaz. vol. 187; p. 275.
- Bacon, Reginald H. S., and R. Redpath, assignors to The Coventry Ordnance Works, Limited, Coventry, England. Apparatus for aiming guns. No. 1,067,859; July 22; Gaz. vol. 192; p. 771.
- Bacon, Thomas P., Oakland, Cal. Robe-lock. No. 1,072,559; Sept. 9; Gaz. vol. 194; p. 333.
- Bacon, William C., Chicago, Ill. Refrigerating apparatus. No. 1,053,345; Feb. 18; Gaz. vol. 187; p. 590.
- Bacon, William M., assignor to O. H. Hyde, St. Louis, Mo. Printing-machine. No. 1,060,578; May 6; Gaz. vol. 190; p. 5.
- Badcock, Sidney W., assignor of one-half to H. C. Baker, Ogden, Utah. Display-case or the like. No. 1,082,300; Dec. 23; Gaz. vol. 197; p. 911.
- Baddiley, James. (See Levinstein and Baddiley.)
- Badeau, Charles C. (See Hewlett and Badeau.)
- Badeau, Charles C., assignor to S. B. Condit, Jr., Boston, Mass. No-voltage circuit-breaker for alternating current. No. 1,054,330; Feb. 25; Gaz. vol. 187; p. 961.
- Badeau, Charles C., Winthrop, assignor to S. B. Condit, Jr., Brookline, Mass. High-potential electric switch. No. 1,054,893; Mar. 4; Gaz. vol. 188; p. 83.
- Badeau, Charles C., Bethlehem, Pa., assignor to Roller-Smith Company. Circuit-breaker. No. 1,075,749; Oct. 14; Gaz. vol. 195; p. 426.
- Bader, Emil, assignor to Maschinenfabrik Augsburg-Nürnberg A. G., Nuremberg, Germany. Injecting device for Diesel motors. No. 1,060,151; Apr. 29; Gaz. vol. 189; p. 1101.
- Bader, Gustav A., Rochester, N. Y. Eyeglass-mounting. No. 1,058,525; Apr. 8; Gaz. vol. 189; p. 433.
- Bader, Gustav A., Rochester, N. Y. Work-holding block. No. 1,071,289; Aug. 26; Gaz. vol. 193; p. 853.
- Bader, Gustav A., Rochester, N. Y. Eyeglass-mounting. No. 1,074,403; Sept. 30; Gaz. vol. 194; p. 1057.
- Badger, Arthur C., Newton, Mass. Expansion-joint. No. 1,052,709; Feb. 11; Gaz. vol. 187; p. 326.

Alphabetical list of patentees—Continued.

- Badger, Arthur C., Newton Center, Mass. Continuous distilling apparatus. No. 1,082,064; Dec. 23; Gaz. vol. 197; p. 828.
- Badger Brass Manufacturing Company, The. (See Christian, Walter E., assignor.)
- Badger Brass Manufacturing Company, The. (See Welles, Richard H., assignor.)
- Badger, Edward E. (See Young, Edward T., assignor.)
- Badische Anilin & Soda Fabrik. (See Bally, Oscar, assignor.)
- Badische Anilin & Soda Fabrik. (See Bazlen, Rieger, and Wohlfahrt, assignors.)
- Badische Anilin & Soda Fabrik. (See Blangey and Immerheiser, assignors.)
- Badische Anilin & Soda Fabrik. (See Bohn, René, assignor.)
- Badische Anilin & Soda Fabrik. (See Bohn and Nawiasky, assignors.)
- Badische Anilin & Soda Fabrik. (See Boner, Johann, assignor.)
- Badische Anilin & Soda Fabrik. (See Bosch, Carl, assignor.)
- Badische Anilin & Soda Fabrik. (See Bosch and Lappe, assignors.)
- Badische Anilin & Soda Fabrik. (See Bosch and Mittasch, assignors.)
- Badische Anilin & Soda Fabrik. (See Bosch, Mittasch, and Hecht, assignors.)
- Badische Anilin & Soda Fabrik. (See Bosch, Mittasch, Wolf, and Stern, assignors.)
- Badische Anilin & Soda Fabrik. (See Fussenegger, Ernst, assignor.)
- Badische Anilin & Soda Fabrik. (See Holt, Henry S. A., assignor.)
- Badische Anilin & Soda Fabrik. (See Isler, Max H., assignor.)
- Badische Anilin & Soda Fabrik. (See Isler and Nawiasky, assignors.)
- Badische Anilin & Soda Fabrik. (See Julius and Immerheiser, assignors.)
- Badische Anilin & Soda Fabrik. (See Kunz, Max A., assignor.)
- Badische Anilin & Soda Fabrik. (See Lüttringhaus and Braren, assignors.)
- Badische Anilin & Soda Fabrik. (See Lüttringhaus, Diesbach, and Schwarz, assignors.)
- Badische Anilin & Soda Fabrik. (See Müller and Isler, assignors.)
- Badische Anilin & Soda Fabrik. (See Nawiasky, Paul, assignor.)
- Badische Anilin & Soda Fabrik. (See Neresheimer, Heinrich, assignor.)
- Badische Anilin & Soda Fabrik. (See Rampini, Christiani, assignor.)
- Badische Anilin & Soda Fabrik. (See Schmidt, Otto, assignor.)
- Badische Anilin & Soda Fabrik. (See Staudinger, Hermann A. F., assignor.)
- Badische Anilin & Soda Fabrik. (See Stiegler, Alfred, assignor.)
- Badische Anilin & Soda Fabrik. (See Ulrichs, Ernst, assignor.)
- Badische Anilin & Soda Fabrik. (See Webel, Franz, assignor.)
- Badische Anilin & Soda Fabrik. (See Wolff, Hugo, assignor.)
- Badische Maschinenfabrik & Eisengiesserei vormals G. Sebold und Sebold & Neff. (See Mögling, Paul, assignor.)
- Baechle, Alphonse, Norwalk, Ohio. Combined roller and tractor. No. 1,052,643; Feb. 11; Gaz. vol. 187; p. 305.
- Baehr, George, Montclair, N. J., assignor to Westinghouse Electric and Manufacturing Company. System of electric-motor control. No. 1,056,879; Mar. 25; Gaz. vol. 188; p. 853.
- Baehr, Gustav H., Baltimore, Md. Trap. No. 1,057,401; Apr. 1; Gaz. vol. 189; p. 4.
- Baekeland, Leo H., Yonkers, assignor to General Bakelite Company, New York, N. Y. Antifriction device. No. 1,054,265; Feb. 25; Gaz. vol. 187; p. 939.
- Baekeland, Leo H., Yonkers, assignor to General Bakelite Company, New York, N. Y. Sound-record. No. 1,083,264; Dec. 30; Gaz. vol. 197; p. 1267.
- Baekeland, Leo H., Yonkers, N. Y., assignor to Robeson Process Company, Camden, N. J. Impregnating wood and products thereof. No. 1,057,211; Mar. 25; Gaz. vol. 188; p. 968.
- Baekeland, Leo H., Yonkers, N. Y., assignor to Robeson Process Company, Camden, N. J. Impregnated wood and preparing the same. No. 1,057,319; Mar. 25; Gaz. vol. 188; p. 1003.
- Baender, Clarence R., Fruitvale, Cal. Fountain-brush. No. 1,065,901; June 24; Gaz. vol. 191; p. 1032.
- Baer, Maurice B., and E. H. E. Malmquist, New York, N. Y., assignors to Flemish Art Company. Pyrographic device. No. 1,053,265; Feb. 18; Gaz. vol. 187; p. 562.
- Baer, Walter C., Toledo, Ohio. Demountable rim. No. 1,068,204; July 22; Gaz. vol. 192; p. 888.
- Baerlocher, Robert F., Manchester, England, assignor to Westinghouse Electric and Manufacturing Company. Controller for electric motors. No. 1,074,925; Oct. 7; Gaz. vol. 195; p. 115.
- Baesel, William C., Providence, R. I. Clothes-line fastener. No. 1,049,642; Jan. 7; Gaz. vol. 186; p. 112.
- Baetzler, Christian, Rochester, N. Y. Garment. No. 1,052,879; Feb. 11; Gaz. vol. 187; p. 385.
- Baetzner, Karl, Rochester, N. Y. Mechanism for launching boats. No. 1,052,644; Feb. 11; Gaz. vol. 187; p. 306.
- Baetzner, Max H., Chicago, Ill. Automatic graphophone-stop. No. 1,065,578; June 24; Gaz. vol. 191; p. 923.
- Bagaasen, Wilhelm O., Hayward, Minn. Artificial arm. No. 1,057,611; Apr. 1; Gaz. vol. 189; p. 74.
- Bager, Svante R. W. M., Milwaukee, Wis. Equalizing system for steam-shovels and the like. No. 1,075,081; Oct. 7; Gaz. vol. 195; p. 170.
- Baggaley, Ralph, Pittsburgh, Pa. Utilizing iron, blast-furnace, flue-dust. No. 1,081,921; Dec. 16; Gaz. vol. 197; p. 749.
- Bagguley, William, Hoveringham, Nottingham, assignor to B. W. Dowson, Nottingham, England. Machine for slicing bread and spreading butter, jam, meat-pulp, or other like substances thereon. No. 1,082,146; Dec. 23; Gaz. vol. 197; p. 854.
- Bagley, Herbert D. F., Holland, Mass. Propeller. No. 1,080,406; Dec. 2; Gaz. vol. 197; p. 173.
- Bagley, William W., New York, N. Y. Container and display device. No. 1,054,487; Feb. 25; Gaz. vol. 187; p. 1017.
- Bagnall, Edward, assignor to Zoffer Plate Glass Manufacturing Company, Pittsburgh, Pa. Apparatus for grinding, smoothing, and polishing plate-glass. No. 1,069,369; Aug. 5; Gaz. vol. 193; p. 99.
- Bagwell, Landrum E., Hartsville, S. C. Gear-cutting attachment for milling-machines. No. 1,080,094; Dec. 2; Gaz. vol. 197; p. 62.
- Bagwell, William R., Tuscaloosa, Ala. Tire-tightener. No. 1,051,187; Jan. 21; Gaz. vol. 186; p. 707.
- Bahan, William H., Lawrence, Mass. Bottle-filler. No. 1,052,556; Feb. 11; Gaz. vol. 187; p. 275.
- Bahler, Ludwig, Wolgast, Germany. Revolving tubular kiln. No. 1,062,946; May 27; Gaz. vol. 190; p. 923.
- Bahr, William E., Lincoln, Nebr. Cleanable heat-radiator. No. 1,080,408; Dec. 2; Gaz. vol. 197; p. 174.
- Bailey, Alfred, Aredale, Iowa. Culvert-mold. No. 1,058,526; Apr. 8; Gaz. vol. 189; p. 433.
- Bailey, Anna D., New York, N. Y. Life-preserver. No. 1,065,385; June 24; Gaz. vol. 191; p. 856.
- Bailey, Arthur. (See Hogan, George L., assignor.)
- Bailey, Asa, North Vernon, Ind. Rodent-exterminator. No. 1,080,529; Dec. 9; Gaz. vol. 197; p. 245.
- Bailey, C. K. (See Raiky, Julius M., assignor.)
- Bailey, Carl E., Manchester, N. H., assignor to Draper Company, Hopedale, Mass. Beam-lock for looms. No. 1,077,385; Nov. 4; Gaz. vol. 196; p. 50.
- Bailey, Charles A., Cromwell, Conn. Primer. No. 1,060,965; May 6; Gaz. vol. 190; p. 140.
- Bailey, Charles A., Cromwell, Conn. Machine for making cartridge-shells. No. 1,065,333; June 24; Gaz. vol. 191; p. 839.
- Bailey, Charles A., Cromwell, Conn. Machine for making cartridge-shells. No. 1,066,980; July 8; Gaz. vol. 192; p. 402.
- Bailey, Charles A., Cromwell, Conn. Toy pistol. No. 1,075,392; Oct. 14; Gaz. vol. 195; p. 306.
- Bailey, Charles A., Cromwell, Conn. Toy pistol. No. 1,075,393; Oct. 14; Gaz. vol. 195; p. 306.
- Bailey, Charles L., and L. E. Hale, Stockton, Cal. Electric wall-bracket. No. 1,054,081; Feb. 25; Gaz. vol. 187; p. 877.
- Bailey, Clarence R., Los Angeles, Cal. Valve-cap. No. 1,051,057; Jan. 21; Gaz. vol. 186; p. 664.
- Bailey, Clarence R., Los Angeles, Cal. Valve-cap. No. 1,051,058; Jan. 21; Gaz. vol. 186; p. 664.
- Bailey, Clarence R., and W. O. Warren, assignors of sixty one-hundredths to C. W. Holden and forty one-hundredths to W. P. Ecton, Los Angeles, Cal. Automatic alarm and signal device. No. 1,063,930; June 3; Gaz. vol. 191; p. 261.
- Bailey, Curtis L., assignor to The "New-Way" Motor Co., Lansing, Mich. Heat-radiating device. No. 1,060,733; May 6; Gaz. vol. 190; p. 59.
- Bailey, De Witt C., Nicholas, Fla. Pipe-coupling. No. 1,073,017; Sept. 9; Gaz. vol. 194; p. 495.
- Bailey, Edward, Ludden, N. D. End-gate for wagons. No. 1,068,296; July 22; Gaz. vol. 192; p. 921.
- Bailey, Edward T., Aurora, Ill. Hinge-gage. No. 1,077,785; Nov. 4; Gaz. vol. 196; p. 187.
- Bailey, Frank L., Lancaster, N. H. Display-rack. No. 1,065,859; June 24; Gaz. vol. 191; p. 1018.
- Bailey, George G. (See Randall, Frank J., assignor.)
- Bailey, George P., Philadelphia, Pa. Dough-molding machine. No. 1,057,699; Apr. 1; Gaz. vol. 189; p. 103.
- Bailey, James F., assignor of one-half to F. T. Sutherland, Jacksonville, Fla. Boiler-tube cleaner. No. 1,081,651; Dec. 16; Gaz. vol. 197; p. 659.

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- Bailey, James H., New York, N. Y. Register. No. 1,054,266; Feb. 25; Gaz. vol. 187; p. 939.
- Bailey, Lawrence P., Mountain View, Cal. Adjustable hose-holder. No. 1,065,202; June 17; Gaz. vol. 191; p. 756.
- Bailey, Malcolm, Birmingham, Ala., assignor of one-half to W. Bailey, Jr., Memphis, Tenn. Dental instrument. No. 1,054,488; Feb. 25; Gaz. vol. 187; p. 1017.
- Bailey, Marion M., Springfield, Ohio. Vehicle-wheel. No. 1,067,960; July 22; Gaz. vol. 192; p. 804.
- Bailey, Mortimer C., Derby, assignor of one-half to E. H. Hancock, Shelton, Conn. Coin-selecting mechanism for coin-operated vending-machines. No. 1,060,307; Apr. 29; Gaz. vol. 189; p. 1157.
- Bailey, Oscar W., Philadelphia, Pa. Valve structure. No. 1,059,104; Apr. 15; Gaz. vol. 189; p. 672.
- Bailey, Percy T., Newport, R. I. Post-anchor. No. 1,077,028; Oct. 28; Gaz. vol. 195; p. 954.
- Bailey, Reginald A., New Castle, Pa., and M. F. W. Pliske, Cleveland, Ohio. Heating apparatus for automobiles. No. 1,068,094; July 22; Gaz. vol. 192; p. 850.
- Bailey, Samuel E., Scranton, Pa. Hydroplane. No. 1,080,407; Dec. 2; Gaz. vol. 197; p. 173.
- Bailey, Warder J., Cedarville, W. Va. Signaling and telephone system for railways. No. 1,073,018; Sept. 9; Gaz. vol. 194; p. 496.
- Bailey, Warren E., Smith River, Cal. Non-refillable bottle. No. 1,081,883; Dec. 16; Gaz. vol. 197; p. 737.
- Bailey, William, Jr. (See Bailey, Malcolm, assignor.)
- Bailey, William E., Beverly, assignor to Arbetter Felling Machine Company, Boston, Mass. Seam for sewed articles. No. 1,059,968; Apr. 29; Gaz. vol. 189; p. 1040.
- Bailey, William E., Beverly, assignor to Arbetter Felling Machine Company, Boston, Mass. Seam for sewed articles. No. 1,069,097; Aug. 5; Gaz. vol. 193; p. 3.
- Bailey, William M., Wyandotte, Mich. Chair. No. 1,067,961; July 22; Gaz. vol. 192; p. 805.
- Baillie, George E., Denver, Colo. Pressure-gage holder or bracket. No. 1,049,974; Jan. 7; Gaz. vol. 186; p. 221.
- Baillie, George E., Denver, Colo. Pressure-gage holder. No. 1,065,334; June 24; Gaz. vol. 191; p. 839.
- Baillie, Thomas B., Glasgow, Scotland. Suction cleaning apparatus. No. 1,609,754; Aug. 12; Gaz. vol. 193; p. 259.
- Bain, David, Passaic, N. J., assignor to Blauvelt-Wiley Paper Manufacturing Company, New York, N. Y. Machine for winding fabrics. No. 1,073,946; Sept. 23; Gaz. vol. 194; p. 877.
- Bainbridge, John W., London, England. Composition for constructing molds, cores, and the like for use in casting. No. 1,049,799; Jan. 7; Gaz. vol. 186; p. 164.
- Bainer, Joseph M. (See Pooler, Bainer, and Elliott.)
- Bainum, Grace I., et al. (See Davies, William P., assignor.)
- Bair, Arthur W., Monroe, Mich. Display-rack. No. 1,080,530; Dec. 9; Gaz. vol. 197; p. 245.
- Bair, George R., assignor of two-thirds to E. B. Valot, Lees Summit, Mo. Liquid-fuel burner. No. 1,059,425; Apr. 22; Gaz. vol. 189; p. 818.
- Bair, Hayward O., Colville, Wash. Bed-corner lock. No. 1,068,095; July 22; Gaz. vol. 192; p. 850.
- Baird, Andrew H., and W. J. Turner, Liverpool, England. Revolving-cylinder internal-combustion engine. No. 1,068,297; July 22; Gaz. vol. 192; p. 921.
- Baird Corn Husker Co. (See Baird, William S., assignor.)
- Baird, Robert, Montclair, N. J. Selvage-printing machine. No. 1,055,597; Mar. 11; Gaz. vol. 188; p. 352.
- Baird, William H., Burlington, Iowa. Sanitary drinking-cup. No. 1,058,935; Apr. 15; Gaz. vol. 189; p. 613.
- Baird, William S., Urbana, assignor to Baird Corn Husker Co., Champaign, Ill. Corn-harvesting machine. No. 1,077,963; Nov. 4; Gaz. vol. 196; p. 248.
- Baisley, Walter A. (See Carrick and Baisley.)
- Bajluk, Adolf, and G. Borlan, McKeesport, Pa. Electric trap. No. 1,054,383; Feb. 25; Gaz. vol. 187; p. 980.
- Bakala, August M. (See Wajda, Floryan, assignor.)
- Baker, Albert C., Ponca, Nebr. Harness-lines. No. 1,051,059; Jan. 21; Gaz. vol. 186; p. 665.
- Baker, Arthur B., East Orange, N. J. Reversible four-cycle gasoline-engine. No. 1,060,152; Apr. 29; Gaz. vol. 189; p. 1102.
- Baker Casing Shoe Co. (See Baker Reuben C., assignor.)
- Baker, Charles A., Detroit, Mich. Explosive-engine. No. 1,049,643; Jan. 7; Gaz. vol. 186; p. 112.
- Baker, Charles E., Hamilton, Ohio. Flying-machine. No. 1,077,114; Oct. 28; Gaz. vol. 195; p. 981.
- Baker, Charles J., Phoenixville, Pa. Undergarment. No. 1,081,196; Dec. 9; Gaz. vol. 197; p. 469.
- Baker, Charles W., Montclair, N. J. Cooling system for internal-combustion engines. No. 1,076,736; Oct. 28; Gaz. vol. 195; p. 851.
- Baker, Claude A., Mitchell, Ind. Pressure-retaining mechanism for fluid-pressure brakes. No. 1,058,136; Apr. 8; Gaz. vol. 189; p. 299.
- Baker, Clifford M., Mason City, Iowa. Gate. No. 1,078,236; Nov. 11; Gaz. vol. 196; p. 372.
- Baker, Cloice B., assignor of one-half to W. Bawden, St. Louis, Mo. Tender-hose coupling. No. 1,069,638; Aug. 5; Gaz. vol. 193; p. 189.
- Baker & Co. (See Zimmermann, Fritz, assignor.)
- Baker, Commodore P., St. Catherine, Mo. Device for binding fodder. No. 1,076,403; Oct. 21; Gaz. vol. 195; p. 680.
- Baker, Daniel M. (See Smith and Baker.)
- Baker, David. (See Ladd and Baker.)
- Baker, David, Los Angeles, Cal. Railway signal apparatus. No. 1,054,267; Feb. 25; Gaz. vol. 187; p. 940.
- Baker, David, Philadelphia, Pa., assignor of one-third to J. J. Shannon, Birmingham, Ala., and one-third to Ladd & Baker. Mold forming and casting apparatus. No. 1,049,644; Jan. 7; Gaz. vol. 186; p. 113.
- Baker, Edward, assignor of one-third to C. F. Dezouche and five-eighths to J. A. Gaston, Sims, Ill. Mail-bag delivering and receiving apparatus. No. 1,065,203; June 17; Gaz. vol. 191; p. 756.
- Baker, Erle K., assignor to Universal Rim Company, Chicago, Ill. Wheel-rim for pneumatic tires. No. 1,053,346; Feb. 18; Gaz. vol. 187; p. 591.
- Baker, Erle K., Chicago, Ill., assignor to Universal Rim Company. Wheel-rim for pneumatic tires. No. 1,053,347; Feb. 18; Gaz. vol. 187; p. 591.
- Baker, Eugene, Darlington, S. C. Motor-vehicle drive-gear. No. 1,060,416; Apr. 29; Gaz. vol. 189; p. 1197.
- Baker, Frank, and S. H. Baron, Elloree, S. C. Belt attachment for trousers. No. 1,052,304; Feb. 4; Gaz. vol. 187; p. 157.
- Baker, Frank C., Maricopa, Cal. Well-drill. No. 1,071,499; Aug. 26; Gaz. vol. 193; p. 923.
- Baker, Frank E. (See Baker, George J. and F. E.)
- Baker, Frederick, Blackheath, and L. Jacobs, assignors to Baker Sewing Machines Trust Limited, London, England. Seam for sewed articles. No. 1,072,201; Sept. 2; Gaz. vol. 194; p. 182.
- Baker, George B., Duluth, Minn. Type-writer. No. 1,078,081; Nov. 11; Gaz. vol. 196; p. 320.
- Baker, George J. and F. E., Royal Oak, assignors of one-half to Detroit Tractor Company, Detroit, Mich. Control device. No. 1,080,316; Dec. 2; Gaz. vol. 197; p. 139.
- Baker, George W. (See Hutchings, Marvin C., assignor.)
- Baker, George W., North Sydney, New South Wales, Australia. Bifocal spectacles and eyeglasses. No. 1,049,645; Jan. 7; Gaz. vol. 186; p. 113.
- Baker, George W., Brown Station, N. Y. Steam-turbine. No. 1,052,786; Feb. 11; Gaz. vol. 187; p. 353.
- Baker, George W., Rheems, Pa. Steam-turbine. No. 1,070,659; Aug. 19; Gaz. vol. 193; p. 610.
- Baker, Harvey C., Chicago, Ill. Feeding mechanism. No. 1,075,535; Oct. 14; Gaz. vol. 195; p. 354.
- Baker, Harvey C., assignor to National Clinch Hinge Company, Chicago, Ill. Hasp-fastener. No. 1,061,032; May 6; Gaz. vol. 190; p. 165.
- Baker, Harvey C., assignor to National Clinch Hinge Company, Chicago, Ill. Hinge. No. 1,061,033; May 6; Gaz. vol. 190; p. 165.
- Baker, Henry A., St. Louis, Mo. Automobile. No. 1,079,320; Nov. 25; Gaz. vol. 196; p. 809.
- Baker, Henry C. (See Badcon, Sidney W., assignor.)
- Baker, Henry F., Gainesville, Ga. Oil-burner. No. 1,069,098; Aug. 5; Gaz. vol. 193; p. 3.
- Baker, Irvin, Latty, Ohio. Engine-valve control. No. 1,077,581; Nov. 4; Gaz. vol. 196; p. 118.
- Baker, Jay, What Cheer, Iowa. Car-door operator. No. 1,059,588; Apr. 22; Gaz. vol. 189; p. 872.
- Baker, Jesse W., Pittsburgh, Pa. Aeroplane. No. 1,063,315; June 3; Gaz. vol. 191; p. 48.
- Baker, John B., et al. (See Ashliman, Adolph E., assignor.)
- Baker, John E., York, Pa. Material for use in making up, repairing, and replacing linings, &c., of metallurgical furnaces. No. 1,063,102; May 27; Gaz. vol. 190; p. 974.
- Baker, John E., York, Pa. Preparing material for use in making up, repairing, and replacing linings, &c., of metallurgical furnaces. No. 1,063,103; May 27; Gaz. vol. 190; p. 974.
- Baker, John M., Nelson, Mo. Planter. No. 1,080,802; Dec. 9; Gaz. vol. 197; p. 339.
- Baker, John P., et al. (See Payne, William R. and J. T., assignors.)
- Baker, John T., Baltimore, Md. Valve-locking attachment. No. 1,068,961; July 29; Gaz. vol. 192; p. 1192.
- Baker, Joseph G., Vineland, N. J. Threading and inside-turning tool. No. 1,052,400; Feb. 4; Gaz. vol. 187; p. 189.
- Baker, Lorenzo M., Columbus, Ohio. Propelling-paddle for swimmers. No. 1,066,696; July 8; Gaz. vol. 192; p. 307.
- Baker, Lorenzo M., Columbus, Ohio. Swimming-glove. No. 1,066,697; July 8; Gaz. vol. 192; p. 308.
- Baker, Mabel C. (See Parker, George H., assignor.)
- Baker, Mabel C. (See Wilson, Charles H., assignor.)
- Baker Motor Vehicle Company, The. (See Gruenfeldt, Emil, assignor.)
- Baker, Nelson M., Southbridge, Mass. Goggles. No. 1,078,405; Nov. 11; Gaz. vol. 196; p. 435.
- Baker, Nelson M., assignor to American Optical Company, Southbridge, Mass. Eyeglasses. No. 1,081,713; Dec. 16; Gaz. vol. 197; p. 679.

Alphabetical list of patentees—Continued.

- Baker, Porter C., assignor of one-third to V. Thomas, Morrill, Nebr. Irrigating-dam. No. 1,080,944; Dec. 9; Gaz. vol. 197; p. 388.
- Baker, Reuben C., Coalinga, Cal. Plug for well-casings. No. 1,078,895; Nov. 18; Gaz. vol. 196; p. 633.
- Baker, Reuben C., Coalinga, Cal., assignor to Baker Casing Shoe Co. Well-casing shoe. No. 1,078,530; Nov. 11; Gaz. vol. 196; p. 474.
- Baker, Rollyn H., Dayton, Ohio. Metallic box. No. 1,074,539; Sept. 30; Gaz. vol. 194; p. 1100.
- Baker, Ross L., Joplin, Mo. Protective apparatus for electric circuits. No. 1,061,894; May 13; Gaz. vol. 190; p. 487.
- Baker Sewing Machines Trust Limited. (See Baker and Jacobs, assignors.)
- Baker, Smith, *et al.* (See Buckeye, George J., assignor.)
- Baker, Thomas T. (See Heyl and Baker.)
- Baker, Wade W., London, Ohio. Composition of matter for plaster and similar materials. No. 1,081,565; Dec. 16; Gaz. vol. 197; p. 632.
- Baker, William E., Scranton, Pa. Spring-tire. No. 1,052,122; Feb. 4; Gaz. vol. 187; p. 97.
- Baker, William E., Guthrie, Okla. Humane animal-poke. No. 1,065,768; June 24; Gaz. vol. 191; p. 987.
- Baker, William F., assignor of one-tenth to A. Kaltenbruner, Oklahoma, Okla. Rail-joint. No. 1,059,259; Apr. 15; Gaz. vol. 189; p. 724.
- Baker, William H., *et al.* (See Woodrom, George A., assignor.)
- Baker, William H., Bridgeport, Conn. Threading drops on slide-bars. No. 1,051,664; Jan. 28; Gaz. vol. 186; p. 902.
- Baker, William H., Montreal, Quebec, Canada. Stop-motion for looms. No. 1,078,406; Nov. 11; Gaz. vol. 196; p. 435.
- Baker, William J., Newport, Ky. Grille-work. No. 1,064,882; June 17; Gaz. vol. 191; p. 652.
- Baker, Winthrop D., Abington, assignor to Boston Blacking Company, East Cambridge, Mass. Filling shoe-bottom cavities. No. 1,071,857; Sept. 2; Gaz. vol. 194; p. 65.
- Bakke, Harold, Chicago, Ill. Pocket. No. 1,067,499; July 15; Gaz. vol. 192; p. 617.
- Bakke, Leopold, Chicago, Ill. Paper-guide for presses. No. 1,068,406; July 29; Gaz. vol. 192; p. 998.
- Bakke, Leopold, Chicago, Ill. Paper-guide for printing-presses. No. 1,068,477; July 29; Gaz. vol. 192; p. 1021.
- Bakke, Leopold, Chicago, Ill. Paper guide for presses. No. 1,078,657; Nov. 18; Gaz. vol. 196; p. 549.
- Bakke, Thore A. (See Sarrett and Bakke.)
- Balachowsky, Dmitry, and P. Caire, Neuilly-sur-Seine, France. Driving-axle. No. 1,055,598; Mar. 11; Gaz. vol. 188; p. 352.
- Balázs, Andrew, assignor to The First Hungarian Inventors Company, Martins Ferry, Ohio. Curtain appliance. No. 1,056,315; Mar. 18; Gaz. vol. 188; p. 629.
- Balch, Augustus W., Jr., Matamoras, Pa. Bait-holder. No. 1,076,542; Oct. 21; Gaz. vol. 195; p. 729.
- Balch, David M., Coronado, Cal. Expelling volatile matter from vegetable products. No. 1,058,137; Apr. 8; Gaz. vol. 189; p. 299.
- Balcker, Martin, assignor to Blomfeldt and Rapp Company, Chicago, Ill. Sausage-stuffer. No. 1,054,633; Feb. 25; Gaz. vol. 187; p. 1065.
- Balcome, Herbert A., assignor to B. F. Sturtevant Company, Boston, Mass. Electric motor and brake. No. 1,060,966; May 6; Gaz. vol. 190; p. 140.
- Baldauf, Charles L., West Hoboken, N. J., assignor to Thomas Nelson & Sons, New York, N. Y. Loose-leaf binder. No. 1,071,500; Aug. 26; Gaz. vol. 193; p. 923.
- Balderston, Caleb C., assignor to Williams, Brown and Earle, Inc., Philadelphia, Pa. Projection apparatus. No. 1,081,922; Dec. 16; Gaz. vol. 197; p. 750.
- Baldi, Joseph F. M. (See De Nick and Baldi.)
- Baldon, Earle C., Richmond, Va. Rear spring cycle-fork. No. 1,058,839; Apr. 15; Gaz. vol. 189; p. 579.
- Baldry, Herbert C., Chicago, Ill. Stair structure. No. 1,069,596; Aug. 5; Gaz. vol. 193; p. 174.
- Baldwin, Charles W., Seattle, Wash. Supplementary heating system. No. 1,050,086; Jan. 7; Gaz. vol. 186; p. 261.
- Baldwin Company, The. (See Gally, Robert A., assignor.)
- Baldwin Company, The. (See Jones, Frank P., assignor.)
- Baldwin, Daniel O. N., Cleveland, Ohio. Window-shield. No. 1,078,765; Nov. 18; Gaz. vol. 196; p. 589.
- Baldwin, Eli N., Jr., Stratford, Conn. Concealed hinge. No. 1,073,316; Sept. 16; Gaz. vol. 194; p. 637.
- Baldwin, Eli N., Jr., Stratford, Conn. Concealed hinge. No. 1,078,237; Nov. 11; Gaz. vol. 196; p. 373.
- Baldwin, Frank S., assignor to Monroe Calculating Machine Company, New York, N. Y. Calculating-machine. No. 1,080,245; Dec. 2; Gaz. vol. 197; p. 114.
- Baldwin, Frederic E., New York, N. Y. Acetylene-gas-generating lamp. (Reissue.) No. 13,542; Mar. 11; Gaz. vol. 188; p. 486.
- Baldwin, Frederic E., New York, N. Y. Reflecting-machine. No. 1,065,496; June 24; Gaz. vol. 191; p. 895.
- Baldwin, Frederic E., New York, N. Y. Reflector for gas lamps. No. 1,066,241; July 1; Gaz. vol. 192; p. 121.
- Baldwin, Frederic E., New York, N. Y. Acetylene lamp and generator. No. 1,070,000; Aug. 12; Gaz. vol. 193; p. 343.
- Baldwin, Frederic E., New York, N. Y. Non-clogging burner-tip. No. 1,075,960; Oct. 14; Gaz. vol. 195; p. 498.
- Baldwin, Frederic E., New York, N. Y. Acetylene-gas lamp. No. 1,077,582; Nov. 4; Gaz. vol. 196; p. 118.
- Baldwin Garment Company. (See Baldwin, William C. P., assignor.)
- Baldwin, Harley A. (See Schilling and Baldwin.)
- Baldwin, Ivy. (See Frederickson and Baldwin.)
- Baldwin, James A., Maynard, Mass. Coin-controlled directory-holder. No. 1,074,035; Sept. 23; Gaz. vol. 194; p. 906.
- Baldwin, James E., East Williston, N. Y., assignor, by mesne assignments, to Fulton Manufacturing Co., Erie, Pa. Electric ignition device. No. 1,050,418; Jan. 14; Gaz. vol. 186; p. 408.
- Baldwin, John D., and J. J. Schlegelmilch, Cleveland, Ohio. Push-button. No. 1,070,387; Aug. 19; Gaz. vol. 193; p. 518.
- Baldwin, John H., Springfield, Mo. Hand-tool. No. 1,057,212; Mar. 25; Gaz. vol. 188; p. 968.
- Baldwin, Joseph S., King of Prussia, Pa. Nut-lock. No. 1,057,612; Apr. 1; Gaz. vol. 189; p. 74.
- Baldwin Locomotive Works, The. (See Abbe, George C., assignor.)
- Baldwin Locomotive Works, The. (See Bowen, George D., assignor.)
- Baldwin Locomotive Works, The. (See Henderson, George R., assignor.)
- Baldwin Locomotive Works, The. (See Phillips, George B., assignor.)
- Baldwin Locomotive Works, The. (See Ragonnet, Eugène L., assignor.)
- Baldwin Locomotive Works, The. (See Rushton and Shannon, assignors.)
- Baldwin Locomotive Works, The. (See Stover, Harmon E., assignor.)
- Baldwin Locomotive Works, The. (See Van Kirk, Benjamin R., assignor.)
- Baldwin Locomotive Works, The. (See Vauclain, Samuel W., assignor.)
- Baldwin Locomotive Works, The. (See Vauclain, Linton, and Henderson, assignors.)
- Baldwin, Mary E., Chicago, Ill. Bonnet. No. 1,056,391; Mar. 18; Gaz. vol. 188; p. 653.
- Baldwin, Melvin D., Grand Rapids, Mich. Machine element. No. 1,075,321; Oct. 14; Gaz. vol. 195; p. 279.
- Baldwin, William C. P., assignor to Baldwin Garment Company, Holyoke, Mass. Adjustable and reversible garment. No. 1,051,943; Feb. 4; Gaz. vol. 187; p. 33.
- Baldwin, William J., Brooklyn, N. Y. Separating materials from gases. No. 1,057,613; Apr. 1; Gaz. vol. 189; p. 74.
- Bales, James E., Montgomery, assignor to Lyon Metallic Manufacturing Company, Aurora, Ill. Shelving. No. 1,056,486; Mar. 18; Gaz. vol. 188; p. 688.
- Bales, James E., Montgomery, assignor to Lyon Metallic Manufacturing Company, Aurora, Ill. Gear-case. No. 1,075,808; Oct. 14; Gaz. vol. 195; p. 446.
- Balg, Bernhard, Görlitz, Germany. Apparatus for making hollow articles from plastic material. No. 1,071,600; Aug. 26; Gaz. vol. 193; p. 956.
- Balger, Charles P., Cincinnati, Ohio. Artificial denture. No. 1,071,019; Aug. 26; Gaz. vol. 193; p. 762.
- Balke, Emil, Charlottenburg, assignor to Siemens & Halske, A. G., Berlin, Germany. Apparatus for electrolyzing liquids. No. 1,051,060; Jan. 21; Gaz. vol. 186; p. 665.
- Balko, Pal, assignor of one-half to J. J. Vlach, Milwaukee, Wis. Wrench. No. 1,073,019; Sept. 9; Gaz. vol. 194; p. 496.
- Balkus, Joseph F., Glastonbury, Conn. Soldering-iron. No. 1,061,803; May 13; Gaz. vol. 190; p. 459.
- Ball, Albert, assignor to Sullivan Machinery Company, Claremont, N. H. Engine-reversing mechanism. No. 1,061,586; May 13; Gaz. vol. 190; p. 389.
- Ball, Albert, and T. Officer, assignors to Sullivan Machinery Company, Claremont, N. H. Direct-acting engine. No. 1,075,750; Oct. 14; Gaz. vol. 195; p. 427.
- Ball, Augustus A., Jr., Brooklyn, N. Y., assignor to Mergenthaler Linotype Company. Typographical casting-machine. No. 1,076,343; Oct. 21; Gaz. vol. 195; p. 659.
- Ball, B. A. (See Dooley and Sévigné, assignors.)
- Ball, Bert C., and L. E. Younie, Portland, Oreg. Demountable tire-rim. No. 1,069,313; Aug. 5; Gaz. vol. 193; p. 78.
- Ball, Charles A., assignor to H. Ball, Marion, Ind. Ballot-box. No. 1,082,673; Dec. 30; Gaz. vol. 197; p. 1072.
- Ball, Charles F., Richmond Hill, assignor to Ball & Jewell, Brooklyn, N. Y. Pebble-mill. No. 1,055,599; Mar. 11; Gaz. vol. 188; p. 353.
- Ball, David H., South Williamsport, Pa. Saw-swage. No. 1,061,156; May 6; Gaz. vol. 190; p. 204.
- Ball, Frank H., and F. O., Plainfield, N. J. Carbureter. No. 1,053,145; Feb. 18; Gaz. vol. 187; p. 521.
- Ball, Frank H., and F. O., Plainfield, N. J. Steam-engine valve. No. 1,059,922; Apr. 22; Gaz. vol. 189; p. 980.
- Ball, Frank H., and F. O., Plainfield, N. J. Carbureter. No. 1,071,858; Sept. 2; Gaz. vol. 194; p. 65.
- Ball, Frederick O. (See Ball, Frank H. and F. O.)

Alphabetical list of patentees—Continued.

- Ball, Harry. (See Ball, Charles A., assignor.)
 Ball, Henry P. (See Wright and Ball.)
 Ball, Henry P., Pittsfield, Mass., assignor to General Electric Company. Electric heater for sealing-wax and the like. No. 1,064,042; June 10; Gaz. vol. 191; p. 332.
 Ball, Henry P., Pittsfield, Mass., assignor to General Electric Company. Electric storage device. No. 1,077,507; Nov. 4; Gaz. vol. 196; p. 95.
 Ball, Henry P., Pittsfield, Mass., assignor to General Electric Company. Electrically-heated cooking device. No. 1,077,866; Nov. 4; Gaz. vol. 196; p. 214.
 Ball, Herman F., New York, N. Y. Locomotive-truck. No. 1,074,154; Sept. 30; Gaz. vol. 194; p. 974.
 Ball, James H., Calumet, Mich. Rail-stop for railway rolling-stock. No. 1,058,708; Apr. 15; Gaz. vol. 189; p. 531.
 Ball & Jewell. (See Ball, Charles F., assignor.)
 Ball, John R. (See Mayn, Frederick, assignor.)
 Ball, Samuel R., Laporte, Ind. Tire-preserving compound. No. 1,079,929; Dec. 2; Gaz. vol. 197; p. 3.
 Ball, Waldon S., San Francisco, assignor to N. B. Douglass, Berkeley, Cal. Wall-bed. No. 1,054,894; Mar. 4; Gaz. vol. 188; p. 83.
 Ball, Warren A., Salem, Ohio. Sanitary receptacle. No. 1,078,604; Nov. 18; Gaz. vol. 196; p. 531.
 Ballance, John, assignor of one-half to J. A. Pressl, New York, N. Y. Liquid-container. No. 1,071,859; Sept. 2; Gaz. vol. 194; p. 66.
 Ballard, Charles E., and E. F. Schumacher, Milwaukee, Wis. Journal-bearing. No. 1,049,439; Jan. 7; Gaz. vol. 186; p. 41.
 Ballard, Frederick W., Cleveland Heights, assignor to The Sherwin-Williams Company, Cleveland, Ohio. Drier-kiln. No. 1,074,485; Sept. 30; Gaz. vol. 194; p. 1084.
 Ballard, George L. (See Wildman and Ballard.)
 Ballard, George L., assignor to Wildman Mfg. Co., Norristown, Pa. Driving mechanism for knitting-machines. No. 1,050,787; Jan. 21; Gaz. vol. 186; p. 567.
 Ballard, George L., assignor to Wildman Mfg. Co., Norristown, Pa. Cloth-cutter. No. 1,057,914; Apr. 1; Gaz. vol. 189; p. 178.
 Ballard, George V., Salt Lake City, Utah, assignor, by mesne assignments, to F. Spencer, Jr., Los Angeles, Cal. Revolving fish-screen. No. 1,063,316; June 3; Gaz. vol. 191; p. 49.
 Ballard, Harrie A., Ashland, assignor to The Boylston Manufacturing Company, Boston, Mass. Machine for inserting fasteners in shoes. No. 1,050,906; Jan. 21; Gaz. vol. 186; p. 612.
 Ballard, Harrie A., Boston, assignor to The Boylston Manufacturing Company, South Boston, Mass. Side-expansion tree. No. 1,054,082; Feb. 25; Gaz. vol. 187; p. 877.
 Ballard, Harrie A., Boston, assignor to The Boylston Manufacturing Company, South Boston, Mass. Inseam-trimming machine. No. 1,062,756; May 27; Gaz. vol. 190; p. 859.
 Ballard, Harrie A., assignor to The Boylston Manufacturing Company, Boston, Mass. Looper mechanism for sewing-machines. No. 1,075,082; Oct. 7; Gaz. vol. 195; p. 170.
 Ballard, Harrie A., Boston, assignor to The Boylston Mfg. Company, South Boston, Mass. Last. No. 1,080,521; Dec. 2; Gaz. vol. 197; p. 211.
 Ballard, John S., Gainesville, Tex. Carbide-feed valve. No. 1,050,597; Jan. 14; Gaz. vol. 186; p. 472.
 Ballard, John S., North Water Gap, Pa. Corn-planter. No. 1,056,768; Mar. 25; Gaz. vol. 188; p. 815.
 Ballard, Robert B., Fort Dodge, Iowa. Governor for explosive-engines. No. 1,060,882; May 6; Gaz. vol. 190; p. 111.
 Ballard, Sarah E., New York, N. Y. Veil-holder. No. 1,057,111; Mar. 25; Gaz. vol. 188; p. 935.
 Ballenberg, Adolph, assignor to Universal Caster & Foundry Company, New York, N. Y. Caster. No. 1,075,536; Oct. 14; Gaz. vol. 195; p. 354.
 Ballenger, Curtis M., Lubbock, Tex. Dental appliance. No. 1,080,878; Dec. 9; Gaz. vol. 197; p. 366.
 Ballner, Charles R. (See Geraerds and Ballner.)
 Ballou, Alonzo C., South Boston, Va. Transplanting implement. No. 1,058,138; Apr. 8; Gaz. vol. 189; p. 300.
 Ballou, Ernest H., Binghamton, N. Y. Nut-lock. No. 1,067,455; July 15; Gaz. vol. 192; p. 601.
 Ballou, Eugene H., Pawtucket, R. I., assignor to Draper Company, Hopedale, Mass. Weft-replenishing loom. No. 1,082,390; Dec. 23; Gaz. vol. 197; p. 941.
 Ballou, George F., Syracuse, assignor, by mesne assignments, to Remington Typewriter Company, Ilion, N. Y. Type-bar and hanger and making same. No. 1,059,923; Apr. 22; Gaz. vol. 189; p. 981.
 Balls, William G., London, England. Bottle. No. 1,050,330; Jan. 14; Gaz. vol. 186; p. 377.
 Bally, Jean, Grenoble, France. Electric furnace. No. 1,068,558; July 29; Gaz. vol. 192; p. 1048.
 Bally, Jean, Grenoble, France. Electric retort-furnace. No. 1,079,588; Nov. 25; Gaz. vol. 196; p. 903.
 Bally, Oscar, Mannheim, assignor to Badische Anilin & Soda Fabrik, Ludwigshafen-on-the-Rhine, Germany. Anthracene compounds and coloring-matters and making same. No. 1,065,102; June 17; Gaz. vol. 191; p. 725.
 Bally, Oscar, Mannheim, assignor to Badische Anilin & Soda Fabrik, Ludwigshafen-on-the-Rhine, Germany. Green anthraquinone dyes and making them. No. 1,077,115; Oct. 28; Gaz. vol. 195; p. 981.
 Balm, Harry E., Cape May, N. J. Name and number plate. No. 1,067,636; July 15; Gaz. vol. 192; p. 663.
 Balmer, A. F. (See Roberts, Louis, assignor.)
 Balod, Edward, Vancouver, British Columbia, Canada. Butter-cutter. No. 1,062,429; May 20; Gaz. vol. 190; p. 710.
 Balou, Harry F. (See Hollar and Balou.)
 Bals, Charles A. (See Corwin and Bals.)
 Bals, Charles A., Chicago, Ill., assignor to Corwin Telephone Manufacturing Company. Telephony. No. 1,061,515; May 13; Gaz. vol. 190; p. 362.
 Bals, Charles A., Chicago, Ill., assignor to Corwin Telephone Manufacturing Company. Telephone-exchange system. No. 1,061,516; May 13; Gaz. vol. 190; p. 363.
 Balster, John, et al. (See Christopher, James H., assignor.)
 Baltimore Gas Appliance and Manufacturing Company, The. (See Longfellow, Martin W., assignor.)
 Baltzley, Louis E., Washington, D. C., assignor of one-fourth to A. M. Houghton, New York, N. Y. Fruit-pitting device. No. 1,056,965; Mar. 25; Gaz. vol. 188; p. 883.
 Baltzley, Oren F., assignor of one-half to R. M. Rupp, Hagerstown, Md. Bottle-capper. No. 1,050,788; Jan. 21; Gaz. vol. 186; p. 568.
 Baluss, Hamilton, Kennett Square, Pa. Electric-lighting system. No. 1,070,099; Aug. 12; Gaz. vol. 193; p. 378.
 Balzano, Peter, New Haven, Conn. Cue-shave. No. 1,079,687; Nov. 25; Gaz. vol. 196; p. 936.
 Bambas, Wladyslaw, Simpson, assignor of one-half to A. J. Tysko, Fell township, Pa. Combined window shade and cornice. No. 1,066,362; July 1; Gaz. vol. 192; p. 161.
 Bambeck, Edward, Canton, Ohio, assignor to American Sign Company, Kalamazoo, Mich. Sign. No. 1,066,242; July 1; Gaz. vol. 192; p. 121.
 Bamber, John E., Rouse, Colo. Rail-joint. No. 1,079,825; Nov. 25; Gaz. vol. 196; p. 985.
 Bamford, Arthur A., Chicago, Ill. Resilient cycle-frame. No. 1,064,697; June 17; Gaz. vol. 191; p. 593.
 Bamford, Arthur A., Chicago, Ill. Cycle attachment. No. 1,068,835; July 29; Gaz. vol. 192; p. 1147.
 Bamford, Frank W., Trenton, N. J., assignor to John Maddock & Sons. Valve-operating apparatus for flushing-tanks. No. 1,075,681; Oct. 14; Gaz. vol. 195; p. 404.
 Bammer, Pius, Ashland, Oreg. Wire-gripper. No. 1,059,338; Apr. 22; Gaz. vol. 189; p. 787.
 Bancel, Paul A., New York, N. Y. Casing for steam-turbines. No. 1,058,936; Apr. 15; Gaz. vol. 189; p. 613.
 Bancroft, James E., Toledo, Ohio, assignor to Toledo Computing Scale Company, Newark, N. J. Vulcanizing device. No. 1,082,258; Dec. 23; Gaz. vol. 197; p. 895.
 Bancroft, John S., and M. C. Indahl, assignors to Lanston Monotype Machine Company, Philadelphia, Pa. Centering or positioning mechanism for type casting and composing machines. No. 1,079,321; Nov. 25; Gaz. vol. 196; p. 810.
 Bancroft, William P., Bostwick, Nebr. Wringer support and fastener. No. 1,073,947; Sept. 23; Gaz. vol. 194; p. 878.
 Band, Charles P., Toronto, Ontario, Canada. Detachable tab for collars. No. 1,075,394; Oct. 14; Gaz. vol. 195; p. 307.
 Bänder, Theodor, Frankfurt-on-the-Main, Germany. Photographic-plate holder. No. 1,052,029; Feb. 4; Gaz. vol. 187; p. 64.
 Bänder, Theodor, Frankfurt-on-the-Main, Germany. Apparatus for treating photographic plates. No. 1,077,186; Oct. 28; Gaz. vol. 195; p. 1002.
 Bandieri, Joseph, Cincinnati, Ohio. Surgical instrument. No. 1,075,002; Oct. 7; Gaz. vol. 195; p. 141.
 Bandy, William, Fountain, Colo. Nut-lock. No. 1,051,188; Jan. 21; Gaz. vol. 186; p. 708.
 Bane, Charles W., et al. (See Lee, Isaac E., assignor.)
 Banes, Ernest E., Strathfield, near Sydney, New South Wales, Australia. Process and apparatus for treating sulfid ores. No. 1,073,462; Sept. 16; Gaz. vol. 194; p. 688.
 Banes, Ernest E., Strathfield, near Sydney, New South Wales, Australia. Feeding-twyer for ore-treating furnaces. No. 1,073,463; Sept. 16; Gaz. vol. 194; p. 689.
 Bang, Vilhelm, Nykøbing, Denmark. Beet-harvesting machine. No. 1,059,589; Apr. 22; Gaz. vol. 189; p. 873.
 Banger, Frank M. (See Banger, Hiram A. and F. M.)
 Banger, Hiram A. and F. M., Philadelphia, Pa. Window. No. 1,072,071; Sept. 2; Gaz. vol. 194; p. 137.
 Bangert, Fred, New York, assignor to The Standard Water Meter Company, Brooklyn, N. Y. Water-meter. No. 1,049,329; Jan. 7; Gaz. vol. 186; p. 4.
 Bangs, Edwin D., Milwaukee, Wis. Engine-starter. No. 1,061,719; May 13; Gaz. vol. 190; p. 434.
 Bangs, Edwin D., Milwaukee, Wis. Gas-engine starter. No. 1,077,386; Nov. 4; Gaz. vol. 196; p. 50.
 Banick, Emil, Newark, N. J. Portable electric safety lamp. No. 1,068,836; July 29; Gaz. vol. 192; p. 1148.

Alphabetical list of patentees—Continued.

- Banker, James D., Tacoma, Wash. Burglar-proof vault. No. 1,050,907; Jan. 21; Gaz. vol. 186; p. 612.
- Bankers Dust Proof Time Lock Company, The. (See Benham, Edgar M., assignor.)
- Banks, Charles S. (See Searcy, Oscar W., assignor.)
- Banks, Claude R., Fruitvale, Cal. Smoking-pipe. No. 1,049,440; Jan. 7; Gaz. vol. 186; p. 42.
- Banks, Edward G., *et al.* (See Barber and Marshall, assignors.)
- Banks, John S., Portsmouth, Va. Reinforced block wall. No. 1,061,441; May 13; Gaz. vol. 190; p. 335.
- Banks, Josephine, East Douglass, Mass. Massage-paddle. No. 1,081,923; Dec. 16; Gaz. vol. 197; p. 750.
- Bannan, Francis B., Pottsville, Pa. Producing pictures, designs, or ornaments. No. 1,061,804; May 13; Gaz. vol. 190; p. 459.
- Bannatyne, Archibald, assignor to The Bannatyne Watch Company, Waterbury, Conn. Support for watches. No. 1,074,767; Oct. 7; Gaz. vol. 195; p. 62.
- Bannatyne Watch Company, The. (See Bannatyne, Archibald, assignor.)
- Banner Iron Works. (See Olfe, Otto H., assignor.)
- Banner, Otto, Easton, Pa., assignor to Ingersoll-Rand Company, New York, N. Y. Centrifugal compressor. No. 1,050,419; Jan. 14; Gaz. vol. 186; p. 409.
- Banner, Otto, Easton, Pa., assignor to Ingersoll-Rand Company, New York, N. Y. Turbine-blading. No. 1,068,622; July 29; Gaz. vol. 192; p. 1072.
- Banner, Otto, Easton, Pa., assignor to Ingersoll-Rand Company, Jersey City, N. J. Blading construction for turbo-compressor impellers. No. 1,071,660; Aug. 26; Gaz. vol. 193; p. 977.
- Bannerman, William, New York, N. Y. Shipping-blanks. No. 1,079,737; Nov. 25; Gaz. vol. 196; p. 953.
- Bannister, Albert R., and T. G. Johns, Gisborne, New Zealand. Variable driving-gear. No. 1,070,001; Aug. 12; Gaz. vol. 193; p. 343.
- Bannon, Martin J. (See Gray, William B., assignor.)
- Bansmer, Adolph G., Brooklyn, N. Y. Excavator. No. 1,064,120; June 10; Gaz. vol. 191; p. 360.
- Bansmer, Adolph G., Brooklyn, N. Y. Excavator. No. 1,064,121; June 10; Gaz. vol. 191; p. 360.
- Banwell, James, assignor of one-third to R. L. Beck, Cleveland, Ohio. Street-paving. No. 1,078,982; Nov. 18; Gaz. vol. 196; p. 663.
- Banzhaf, Ernst, Easton, Pa. Chimney. No. 1,078,983; Nov. 18; Gaz. vol. 196; p. 663.
- Baraduc-Muller, Louis M. V. H., Paris, France. Treating melted metals, alloys, and steels. No. 1,071,632; Aug. 26; Gaz. vol. 193; p. 967.
- Baraduc-Muller, Louis M. V. H., Paris, France. Apparatus for treating molten metals, alloys, and steels. No. 1,077,925; Nov. 4; Gaz. vol. 196; p. 234.
- Barager, Percy D., Rochester, N. Y. Fuse-puller. No. 1,053,770; Feb. 18; Gaz. vol. 187; p. 736.
- Baranovits, Charles, Chicago, Ill. Button-attaching machine. No. 1,082,485; Dec. 30; Gaz. vol. 197; p. 1003.
- Barbeau, Charles J., St. Henry, Ohio. Device for treating grain. No. 1,055,854; Mar. 11; Gaz. vol. 188; p. 439.
- Barbee, William F., Des Moines, Iowa. Churn. No. 1,075,892; Oct. 14; Gaz. vol. 195; p. 475.
- Barber, Arthur L., Heckmondwike, England. Penholder for ruling-machines. No. 1,068,298; July 22; Gaz. vol. 192; p. 921.
- Barber, Arthur L., Heckmondwike, England. Paper-ruling machine. No. 1,068,299; July 22; Gaz. vol. 192; p. 922.
- Barber Asphalt Paving Company, The. (See Thompson, Watson T., assignor.)
- Barber-Colman Company. (See Bingham, Thomas E., assignor.)
- Barber-Colman Company. (See Colman, Howard D., assignor.)
- Barber-Colman Company. (See Colman and Peterson, assignors.)
- Barber-Colman Company. (See Peterson, Burt A., assignor.)
- Barber-Colman Company. (See Tower, Caleb E., assignor.)
- Barber, Ernest B., assignor, by mesne assignments, to International Typesetting Machine Company, New York, N. Y. Typographic machine. No. 1,054,384; Feb. 25; Gaz. vol. 187; p. 981.
- Barber, Ernest B., Brooklyn, assignor, by mesne assignments, to International Typesetting Machine Company, New York, N. Y. Typographic machine. No. 1,054,489; Feb. 25; Gaz. vol. 187; p. 1017.
- Barber, Eugene R., Valdosta, Ga. Conveyer for bottled soda-water. No. 1,075,893; Oct. 14; Gaz. vol. 195; p. 475.
- Barber, Howard M., Stonington, Conn., assignor to C. B. Cottrell & Sons Company, New York, N. Y. Web-folding machine. No. 1,059,701; Apr. 22; Gaz. vol. 189; p. 909.
- Barber, Howard M., Stonington, Conn., assignor to C. B. Cottrell & Sons Company, New York, N. Y. Slip-sheet feeding device for sheet-delivery mechanisms for printing-machines. No. 1,064,275; June 10; Gaz. vol. 191; p. 412.
- Barber, Howard M., Stonington, Conn., assignor to C. B. Cottrell & Sons Company, New York, N. Y. Sheet-delivery apparatus for printing-machines. No. 1,066,875; July 8; Gaz. vol. 192; p. 366.
- Barber, Howard M., Stonington, Conn., assignor to C. B. Cottrell & Sons Company, New York, N. Y. Cutting and folding machine. No. 1,068,035; July 22; Gaz. vol. 192; p. 831.
- Barber, Howard M., Stonington, Conn., assignor to C. B. Cottrell & Sons Company, New York, N. Y. Sheet-delivery apparatus for printing-machines. No. 1,073,317; Sept. 16; Gaz. vol. 194; p. 638.
- Barber, Howard M., Stonington, Conn., assignor to C. B. Cottrell & Sons Company, New York, N. Y. Inking mechanism for bed-and-cylinder printing-presses. No. 1,072,836; Sept. 23; Gaz. vol. 194; p. 838.
- Barber, Howard M., Stonington, Conn., assignor to C. B. Cottrell & Sons Company, New York, N. Y. Slip-sheet feeding device for printing-presses. No. 1,077,029; Oct. 28; Gaz. vol. 195; p. 955.
- Barber, Howard M., Stonington, Conn., assignor to C. B. Cottrell & Sons Company, New York, N. Y. Printing-press. No. 1,077,214; Oct. 28; Gaz. vol. 195; p. 1012.
- Barber, Howard M., Stonington, Conn., assignor to C. B. Cottrell & Sons Company, New York, N. Y. Sheet-delivery mechanism for printing-machines. No. 1,078,238; Nov. 11; Gaz. vol. 196; p. 373.
- Barber, Howard M., Stonington, Conn., assignor to C. B. Cottrell & Sons Company, New York, N. Y. Sheet-delivery mechanism for printing-machines. No. 1,078,239; Nov. 11; Gaz. vol. 196; p. 373.
- Barber, James T., Brooklyn, N. Y. Ratchet-gearing. No. 1,057,027; Mar. 25; Gaz. vol. 188; p. 905.
- Barber, John C., assignor to Standard Car Truck Company, Chicago, Ill. Car-truck. No. 1,065,018; June 17; Gaz. vol. 191; p. 697.
- Barber, John C., assignor to Standard Car Truck Company, Chicago, Ill. Car-truck. No. 1,073,654; Sept. 23; Gaz. vol. 194; p. 776.
- Barber, John D., Cleveland, Ohio. Machine for molding concrete blocks. No. 1,052,557; Feb. 11; Gaz. vol. 187; p. 275.
- Barber, John J. (See Vetter, William S., assignor.)
- Barber, N. G. (See Stacy and Hoag, assignors.)
- Barber, Samuel A., Frankfort, Ky. Spike-driving machine. No. 1,058,654; Apr. 8; Gaz. vol. 189; p. 476.
- Barber, William D., Chicago, Ill. Combined crib and intake. No. 1,078,658; Nov. 18; Gaz. vol. 196; p. 549.
- Barberie, John, Upper Montclair, N. J. Means for converting an ordinary roll-film camera into a focal-plane-shutter camera. No. 1,075,751; Oct. 14; Gaz. vol. 195; p. 427.
- Barbezat, Alfred, Paris, France, assignor to General Electric Company. Method of and apparatus for forcing or compressing fluids. No. 1,063,636; June 3; Gaz. vol. 191; p. 161.
- Barbour, George H., Pittsburgh, Pa. Metallic clip-fastening. No. 1,073,082; Sept. 16; Gaz. vol. 194; p. 555.
- Barbour, George H., Pittsburgh, Pa. Rolling-mill. No. 1,078,240; Nov. 11; Gaz. vol. 196; p. 374.
- Barbour, George H., Pittsburgh, Pa. Apparatus for forming metal-reinforced composite slabs. No. 1,079,738; Nov. 25; Gaz. vol. 196; p. 954.
- Barbour, George H., Pittsburgh, Pa. Rolling flanged sections. No. 1,079,739; Nov. 25; Gaz. vol. 196; p. 954.
- Barbour, James G., Canton, Ohio. Brick. No. 1,070,870; Aug. 19; Gaz. vol. 193; p. 680.
- Barbour, John E., Paterson, N. J. Hackling and finishing machine for long-staple fiber. No. 1,059,105; Apr. 15; Gaz. vol. 189; p. 672.
- Barbour-Stockwell Company. (See Ellis, Frank H., assignor.)
- Barcafer, William F., Los Angeles, Cal. Sand-distributing device for automobiles. No. 1,066,698; July 8; Gaz. vol. 192; p. 308.
- Barcalo Manufacturing Company. (See Vallone, Charles, assignor.)
- Barcalo Manufacturing Company. (See Vallone and Rogers, assignors.)
- Barclay, George. (See Thompson, Frederick W., assignor.)
- Barclay, George, Sr., London, England. Combination brush and comb. No. 1,057,028; Mar. 25; Gaz. vol. 188; p. 906.
- Barclay, Ralph G., *et al.* (See Kronenberger, Ferdinand, assignor.)
- Barcus, George N., Wabash, Ind. Spring-hinge. No. 1,051,538; Jan. 28; Gaz. vol. 186; p. 859.
- Bárcz, Josef, (now by judicial change of name J. Bércz,) Cologne-Ehrenfeld, Germany. Flying-machine. No. 1,073,655; Sept. 23; Gaz. vol. 194; p. 776.
- Bardelli, Felice. (See Colzi and Bardelli.)
- Bardill, John O., Herculaneum, Mo. Automatic sampling-machine. No. 1,063,494; June 3; Gaz. vol. 191; p. 109.
- Barditzky, Herman, Memphis, Tenn. Electric fire-alarm. No. 1,062,137; May 20; Gaz. vol. 190; p. 613.
- Bardsley, Willard W., Providence, R. I. Mechanism for controlling action. No. 1,072,416; Sept. 9; Gaz. vol. 194; p. 282.
- Barene, Otto E., New York, N. Y. Coal-conveyer. No. 1,082,391; Dec. 23; Gaz. vol. 197; p. 941.
- Barenscheer, William J. (See Titus and Barenscheer.)
- Barfield, Alfred M., Wills Point, Tex. Rail-brace for railway-tracks. No. 1,066,782; July 8; Gaz. vol. 192; p. 337.

Alphabetical list of patentees—Continued.

- Bargamin, Clifford, Newport News, Va., assignor to The Sentinel Automatic Gas Appliance Co., New Haven, Conn. Automatic cut-off for gas-ranges. No. 1,075,322; Oct. 14; Gaz. vol. 195; p. 279.
- Barger, Lorin W., assignor to Davenport Locomotive Works, Davenport, Iowa. Reversing mechanism for locomotives. No. 1,057,796; Apr. 1; Gaz. vol. 189; p. 137.
- Barger, Lorin W., assignor to Davenport Locomotive Works, Davenport, Iowa. Articulated locomotive. No. 1,057,797; Apr. 1; Gaz. vol. 189; p. 137.
- Barger, Lorin W., assignor to Davenport Locomotive Works, Davenport, Iowa. Articulated engine. No. 1,060,883; May 6; Gaz. vol. 190; p. 111.
- Barghausen, John F., Washington, D. C. Bulb-scooping machine. No. 1,066,174; July 1; Gaz. vol. 192; p. 96.
- Barghausen, Laurence R., and C. L. Constantini, Washington, D. C. Saliva-ejector. No. 1,053,965; Feb. 25; Gaz. vol. 187; p. 838.
- Bargman, Harry, assignor to International Fuse Lighter and Electric Manufacturing Company, Los Angeles, Cal. Electric fuse-lighter. No. 1,057,370; Mar. 25; Gaz. vol. 188; p. 1020.
- Barienger, James M., assignor of one-half to Santa Clara Lumber Company, Carthage, N. Y. Device for registering pulp-blocks, &c. No. 1,054,814; Mar. 4; Gaz. vol. 188; p. 57.
- Baringer, Joseph, Akron, Ohio. Street-sweeper. No. 1,056,769; Mar. 25; Gaz. vol. 188; p. 816.
- Barker, England J., Chicago, Ill. Autographic register. No. 1,052,645; Feb. 11; Gaz. vol. 187; p. 306.
- Barker, England J., Chicago, Ill. Type-writer attachment. No. 1,072,202; Sept. 2; Gaz. vol. 194; p. 182.
- Barker, England J., Chicago, Ill. Type-writer attachment. No. 1,075,458; Oct. 14; Gaz. vol. 195; p. 328.
- Barker, England J., Morgan Park, Ill. Autographic register. No. 1,069,755; Aug. 12; Gaz. vol. 193; p. 260.
- Barker, Felix. (See Taylor and Barker.)
- Barker, Frank, Knoxville, Tenn. Clip or binder. No. 1,066,363; July 1; Gaz. vol. 192; p. 161.
- Barker, Fred, Paterson, N. J. Sewer-valve. No. 1,063,637; June 3; Gaz. vol. 191; p. 162.
- Barker, Frederic R., assignor to J. C. Lewis, Boston, Mass. Wheel-rim. No. 1,055,696; Mar. 11; Gaz. vol. 188; p. 386.
- Barker, George G., assignor to The Bauer Brothers Company, Springfield, Ohio. Fire-beating attachment for hulling and grinding apparatus. No. 1,067,297; July 15; Gaz. vol. 192; p. 548.
- Barker, George H., assignor to Improved Sanitary Fixture Company, Los Angeles, Cal. Combined bath-tub and washstand. No. 1,082,065; Dec. 23; Gaz. vol. 197; p. 829.
- Barker, Irving, Springfield, Ill. Pump for vacuum-cleaners. No. 1,078,329; Nov. 11; Gaz. vol. 196; p. 406.
- Barker, James, Detroit, Mich. Trial or balance sheet. No. 1,072,417; Sept. 9; Gaz. vol. 194; p. 282.
- Barker, John L. (See Mitchell, Barker, and Whittaker.)
- Barker, John P., Orange, Cal., assignor, by mesne assignments, to Orange Auto Power Company. Engine or motor. No. 1,073,656; Sept. 23; Gaz. vol. 194; p. 777.
- Barker, Joseph C., Oblong, Ill. Mole-trap. No. 1,081,652; Dec. 16; Gaz. vol. 197; p. 659.
- Barker, Lee. (See Liebel and Barker.)
- Barker, Lewis R., and E. C. Dietrich, assignors of one-third to S. E. Gard, Riverton, Kans. Trolley mechanism. No. 1,050,908; Jan. 21; Gaz. vol. 186; p. 613.
- Barker, Sherman, Oia, Idaho. Nut-lock. No. 1,056,316; Mar. 18; Gaz. vol. 188; p. 629.
- Barker, Theodore E. (See Grossarth and Barker.)
- Barker, Thomas H., Boston, Mass. Card game. No. 1,056,770; Mar. 25; Gaz. vol. 188; p. 816.
- Barker, Walter G. (See Nelson and Barker.)
- Barker, Wendell A., Chicago, Ill. Clutch mechanism. No. 1,054,666; Mar. 4; Gaz. vol. 188; p. 5.
- Barker, William, Yonkers, N. Y. Spool-head fastener. No. 1,066,699; July 8; Gaz. vol. 192; p. 308.
- Barley, Clarence J. (See Hoke and Barley.)
- Barley, Clarence J., Altoona, Pa. Piston-valve. No. 1,080,945; Dec. 9; Gaz. vol. 197; p. 389.
- Barlow, Frank, Hyde, England. Lapping mechanism of openers, scutchers, and like machines. No. 1,062,757; May 27; Gaz. vol. 190; p. 859.
- Barlow, George F., East Long Meadow, Mass. Bottle-stopper. No. 1,081,085; Dec. 9; Gaz. vol. 197; p. 431.
- Barlow, Jerome, Chicago, Ill. Train-order holder. No. 1,082,392; Dec. 23; Gaz. vol. 197; p. 942.
- Barnaby, Sydney W., assignor to John I. Thornycroft & Co. Limited, and S. W. Barnaby, Woolston, England. Naval destroyer-craft. No. 1,054,490; Feb. 25; Gaz. vol. 187; p. 1018.
- Barnard, Charles, Pasadena, assignor to E. E. Dow, Redlands, Cal. Drier. No. 1,073,729; Sept. 23; Gaz. vol. 194; p. 804.
- Barnard, Franklin M., Milford, Iowa. Saw-jointer. No. 1,081,714; Dec. 16; Gaz. vol. 197; p. 679.
- Barnard, Isham M., and J. W. Lawler, Fowler, Colo. Load-ejector for bull hay-rakes. No. 1,073,948; Sept. 23; Gaz. vol. 194; p. 878.
- Barnard and Leas Manufacturing Company. (See Cornwall, John B., assignor.)
- Barnard, Louis E., Washington, D. C. Cord-cutter. No. 1,077,665; Nov. 4; Gaz. vol. 196; p. 146.
- Barnard, Robert P. (See Marley, Thacker, and Barnard.)
- Barnard, Sidney N. (See Bolam and Barnard.)
- Barnard, Therides V., Schaller, Iowa. Cultivator-blade. No. 1,050,714; Jan. 14; Gaz. vol. 186; p. 507.
- Barnard, Therides V., Schaller, Iowa. Combined pulverizer and leveler. No. 1,050,774; Jan. 14; Gaz. vol. 186; p. 527.
- Barnard, Therides V., Schaller, Iowa. Harrow. No. 1,073,318; Sept. 16; Gaz. vol. 194; p. 638.
- Barnard, Walter E., Hartford, Conn., assignor to Underwood Typewriter Company, New York, N. Y. Type-writing machine. No. 1,062,076; May 20; Gaz. vol. 190; p. 592.
- Barnard, Walter E., Hartford, Conn., assignor to Underwood Typewriter Company, New York, N. Y. Type-writing machine. No. 1,071,860; Sept. 2; Gaz. vol. 194; p. 66.
- Barnard, Walter E., Hartford, Conn., assignor to Underwood Typewriter Company, New York, N. Y. Type-writing machine. No. 1,073,068; Sept. 9; Gaz. vol. 194; p. 513.
- Barnard, Walter E., Hartford, Conn., assignor to Underwood Typewriter Company, New York, N. Y. Type-writing machine. No. 1,073,083; Sept. 16; Gaz. vol. 194; p. 555.
- Barnell, David O., *et al.* (See Ponsar, Theodore, assignor.)
- Barner, John W., and B. W. Marshall; said Marshall assignor to E. B. and E. G. Banks, Vicksburg, Miss. Vapor generator and burner. No. 1,051,828; Jan. 28; Gaz. vol. 186; p. 955.
- Barnes, Albert, Brighton, England. Apparatus for closing water-supplies to taps and other fittings. No. 1,070,100; Aug. 12; Gaz. vol. 193; p. 378.
- Barnes, Bartlett J., assignor of one-third to J. R. Jackson, Bradleyville, and one-third to A. E. Dean, Brownbranch, Mo. Well-bucket. No. 1,064,420; June 10; Gaz. vol. 191; p. 464.
- Barnes, Benjamin F., Rockford, Ill. Drilling-machine. No. 1,054,268; Feb. 25; Gaz. vol. 187; p. 940.
- Barnes, Carl C., Mena, Ark. Fastening-clip. No. 1,068,837; July 29; Gaz. vol. 192; p. 1148.
- Barnes, Frank L., and J. McGoey, New York, N. Y. Union suit. No. 1,074,309; Sept. 30; Gaz. vol. 194; p. 1026.
- Barnes, Gaylord V., San Rafael, Cal. Shock-absorbing device for vehicles. No. 1,053,771; Feb. 18; Gaz. vol. 187; p. 736.
- Barnes, Harold B., Denver, Colo. Combined pencil-sharpener and manicuring device. No. 1,070,660; Aug. 19; Gaz. vol. 193; p. 611.
- Barnes, Henry, Cleveland, Ohio. Tooth-brush. No. 1,059,426; Apr. 22; Gaz. vol. 189; p. 819.
- Barnes, John. (See Hice and Barnes.)
- Barnes, Jonathan L. (See Garnett, Lemuel E., assignor.)
- Barnes, Lois P. (See Barnes, Walter D., assignor.)
- Barnes, Pierre. (See Peter, John J., assignor.)
- Barnes, Pierre. (See Houghton, Willard, assignor.)
- Barnes, Raymond F., Washington, D. C., assignor to Mergenthaler Linotype Company. Typographical composing-machine. No. 1,071,981; Sept. 2; Gaz. vol. 194; p. 106.
- Barnes, Walter D., assignor of one-half to L. P. Barnes, Columbia, S. C. Trunk-fastener. No. 1,080,409; Dec. 2; Gaz. vol. 197; p. 174.
- Barnes, William B., Greenfield, Ill. Grinder. No. 1,054,667; Mar. 4; Gaz. vol. 188; p. 5.
- Barnes, William H., Spokane, Wash. Brick-truck. No. 1,064,594; June 10; Gaz. vol. 191; p. 522.
- Barnesby, Percy N., Scarborough, N. Y. Bottle-indicator. No. 1,049,646; Jan. 7; Gaz. vol. 186; p. 113.
- Barnet Manufacturing Company Ltd., The. (See Cumming, Paul R., assignor.)
- Barnett, Augusta, London, England. Appliance for securing ladies' veils. No. 1,058,527; Apr. 8; Gaz. vol. 189; p. 434.
- Barnett, Augusta, London, England. Device for securing ladies' veils in position. No. 1,058,528; Apr. 8; Gaz. vol. 189; p. 434.
- Barnett, Charles R. (See Hopkins and Barnett.)
- Barnett, Daniel B. (See Drake and Barnett.)
- Barnett, Howard H., Pontiac, Mich. Door-holder. No. 1,055,999; Mar. 18; Gaz. vol. 188; p. 523.
- Barnett, Jacob, New York, N. Y. Seam for sewed articles. No. 1,081,197; Dec. 9; Gaz. vol. 197; p. 469.
- Barnett, Otto R. (See Smith, Edgar M., assignor.)
- Barnett, William J., Richmond, Va. Switch. No. 1,069,518; Aug. 5; Gaz. vol. 193; p. 149.
- Barney, Edwin E., Marcellus, assignor, by mesne assignments, to Remington Typewriter Company, Ilion, N. Y. Type-writing machine. No. 1,064,421; June 10; Gaz. vol. 191; p. 464.
- Barney, Frank P., Chantley, Mass. Bracelet, neck-chain, &c. No. 1,071,131; Aug. 26; Gaz. vol. 193; p. 801.
- Barney, Frank P., Chantley, Mass. Pin-joint for articles of jewelry. No. 1,071,132; Aug. 26; Gaz. vol. 193; p. 801.

Alphabetical list of patentees—Continued.

- Barney and Smith Car Company, The. (See Rochester, Harry R., assignor.)
- Barney and Smith Car Company, The. (See Stevens and Horne, assignors.)
- Barney, Walter H. (See Hale, Joshua B., assignor.)
- Barnhart, Anthony W., Cairo, assignor to Electric Undercurrent Company, Pennsboro, W. Va. Shoe or skate for electric railways. No. 1,080,410; Dec. 2; Gaz. vol. 197; p. 174.
- Barnhart Bros. & Spindler. (See Murray, Brink, and Malmstrom, assignors.)
- Barnhart, Edwin. (See Bent, Barnhart, and Ladd.)
- Barnhart, William L., Atlanta, Ga. Composite roofing. No. 1,074,404; Sept. 30; Gaz. vol. 194; p. 1058.
- Barnhill, Jesse F., Denver, Colo. Interlocking rail-joint. No. 1,058,709; Apr. 15; Gaz. vol. 189; p. 532.
- Barnum, Edwards W. (See Cowan and Barnum.)
- Barnum, Morgan K. (See Lavis, William K., assignor.)
- Barnum, Robert L., Oakman, Ala. Drill. No. 1,076,093; Oct. 21; Gaz. vol. 195; p. 573.
- Barnum, Thomas E., assignor to The Cutler-Hammer Mfg. Co., Milwaukee, Wis. Motor-controller. No. 1,064,809; June 17; Gaz. vol. 191; p. 629.
- Barnum, Thomas E., assignor to The Cutler-Hammer Manufacturing Company, Milwaukee, Wis. Electric switch. No. 1,071,200; Aug. 26; Gaz. vol. 193; p. 823.
- Barnum, Thomas E., assignor to The Cutler-Hammer Mfg. Co., Milwaukee, Wis. Motor-controller. No. 1,079,386; Nov. 25; Gaz. vol. 196; p. 832.
- Barnwell, Edward W., Lake Park, Ga., assignor of one-half to H. W. Raiford, Raiford, Fla. Combination scrub-brush and mop. No. 1,059,427; Apr. 22; Gaz. vol. 189; p. 819.
- Baron, Frank, Schuyler, Nebr. Building-blocks. No. 1,067,792; July 22; Gaz. vol. 192; p. 749.
- Baron, Joseph V. (See Farr, Ira E., assignor.)
- Baron, Michael H., New York, N. Y. Combination pipe and cigar-holder. No. 1,082,393; Dec. 23; Gaz. vol. 197; p. 942.
- Baron, Samuel H. (See Baker and Baron.)
- Barr, Albert D., Jersey City, N. J. Catalytically-acting enzymic agent and producing it. No. 1,051,061; Jan. 21; Gaz. vol. 186; p. 665.
- Barr, Archibald, and W. Stroud, Glasgow, Scotland. Indicating or estimating mechanism for ordnance. No. 1,050,512; Jan. 14; Gaz. vol. 186; p. 442.
- Barr, Arthur C. (See Blomberg, Adolph R., assignor.)
- Barr, Carl, Chicago, Ill. Spring terminal clip. No. 1,078,766; Nov. 18; Gaz. vol. 196; p. 590.
- Barr, Carl A., and J. H. Koren, Chicago, Ill. Insulator. No. 1,056,392; Mar. 18; Gaz. vol. 188; p. 653.
- Barr, Frederic, New York, N. Y. Electric switch. No. 1,049,975; Jan. 7; Gaz. vol. 186; p. 221.
- Barr, Frederic, New York, N. Y. Electric switch. No. 1,049,976; Jan. 7; Gaz. vol. 186; p. 222.
- Barr, Frederic, New York, N. Y. Electric switch. No. 1,049,977; Jan. 7; Gaz. vol. 186; p. 222.
- Barr, Frederic, New York, N. Y. Electric switch. No. 1,049,978; Jan. 7; Gaz. vol. 186; p. 223.
- Barr, Frederic, New York, N. Y. Electric switch. No. 1,053,552; Feb. 18; Gaz. vol. 187; p. 661.
- Barr, Frederic, New York, N. Y. Electric-lamp socket. No. 1,053,697; Feb. 18; Gaz. vol. 187; p. 711.
- Barr, Frederic, New York, N. Y. Electric socket. No. 1,057,320; Mar. 25; Gaz. vol. 188; p. 1003.
- Barr, Frederic, New York, N. Y. Pull-switch for wall-boxes. No. 1,064,422; June 10; Gaz. vol. 191; p. 465.
- Barr, Frederic, New York, N. Y. Socket for lamps, &c. No. 1,064,423; June 10; Gaz. vol. 191; p. 465.
- Barr, Frederic, New York, N. Y. Socket construction. No. 1,064,424; June 10; Gaz. vol. 191; p. 465.
- Barr, Frederic, New York, N. Y. Pull-socket. No. 1,064,425; June 10; Gaz. vol. 191; p. 466.
- Barr, Frederic, New York, N. Y. Electric-switch socket. No. 1,064,426; June 10; Gaz. vol. 191; p. 466.
- Barr, Frederic, New York, N. Y. Electric switch. No. 1,066,783; July 8; Gaz. vol. 192; p. 337.
- Barr, Frederic, New York, N. Y. Pull-socket switch. No. 1,079,740; Nov. 25; Gaz. vol. 196; p. 955.
- Barr, Frederic, Brooklyn, N. Y. Pull-socket for electric lamps. No. 1,053,553; Feb. 18; Gaz. vol. 187; p. 662.
- Barr, George A. (See Thompson, John, assignor.)
- Barr, Harry A., Auburn, N. Y. Belt-shifter. No. 1,054,385; Feb. 25; Gaz. vol. 187; p. 981.
- Barr, John E., et al. (See Lewinski, William, assignor.)
- Barr, John H., assignor to The Smith Premier Typewriter Company, Syracuse, N. Y. Type-writing machine. No. 1,067,392; July 15; Gaz. vol. 192; p. 579.
- Barr, John H., New York, assignor to Remington Typewriter Company, Ilion, N. Y. Type-writing machine. No. 1,071,383; Aug. 26; Gaz. vol. 193; p. 886.
- Barr, John H., New York, assignor to Remington Typewriter Company, Ilion, N. Y. Type-writing machine. No. 1,072,899; Sept. 9; Gaz. vol. 194; p. 453.
- Barr, John M., assignor to Fairbanks-Morse Electrical Manufacturing Company, Indianapolis, Ind. Resistance-ring of rotors. No. 1,079,629; Nov. 25; Gaz. vol. 196; p. 916.
- Barr, John U., New York, N. Y. Tile. No. 1,050,420; Jan. 14; Gaz. vol. 186; p. 409.
- Barr, John U., New York, N. Y. Automobile-goggles. No. 1,067,793; July 22; Gaz. vol. 192; p. 749.
- Barr, John W., assignor of one-half to R. Marion, Blountville, Tenn. Churn. No. 1,080,040; Dec. 2; Gaz. vol. 197; p. 43.
- Barr, Joseph C., Joplin, Mo. Water-purifying plant. No. 1,069,368; Aug. 5; Gaz. vol. 193; p. 98.
- Barr, Mark, and E. R. Clarke, assignors to The Autokal Syndicate Limited, London, England. Calculating-machine. No. 1,075,003; Oct. 7; Gaz. vol. 195; p. 141.
- Barr, Mary, Colorado Springs, Colo. Auxiliary side rail for bedsteads and similar appliances. No. 1,059,515; Apr. 22; Gaz. vol. 189; p. 849.
- Barr, Robert J., Jr. (See Baumiller and Barr.)
- Barr, William A., Silverton, Oreg. Spur. No. 1,065,019; June 17; Gaz. vol. 191; p. 697.
- Barratt, William. (See Pearce and Barratt.)
- Barrenpohl, Charles J., New York, N. Y. Combination ice-bag, water-bottle, and fountain-syringe. No. 1,079,203; Nov. 18; Gaz. vol. 196; p. 741.
- Barrett, Arthur. (See Barrett, Josiah and A.)
- Barrett, Charles E., Delmar, Del., assignor of one-half to H. T. Hickey, Delmar, Md. Car-door. No. 1,058,529; Apr. 8; Gaz. vol. 189; p. 434.
- Barrett, Charles W., San Jose, Cal. Elastic tire for automobiles. No. 1,066,784; July 8; Gaz. vol. 192; p. 338.
- Barrett, Flora A., Columbus Grove, Ohio. Detachable door-hinge. No. 1,071,982; Sept. 2; Gaz. vol. 194; p. 107.
- Barrett, Glenn J., Grand Rapids, Mich., assignor to The Smith Premier Typewriter Company, Syracuse, N. Y. Type-writing and computing machine. No. 1,057,915; Apr. 1; Gaz. vol. 189; p. 178.
- Barrett, Glenn J., Grand Rapids, Mich., assignor to The Smith Premier Typewriter Company, Syracuse, N. Y. Type-writing and computing machine. No. 1,066,455; July 1; Gaz. vol. 192; p. 191.
- Barrett, Glenn J., Syracuse, N. Y., assignor to Burroughs Adding Machine Company, Detroit, Mich. Automatic ink-ribbon-reversing mechanism. No. 1,065,769; June 24; Gaz. vol. 191; p. 988.
- Barrett, Halsey M., et al., receivers. (See Fessenden, Reginald A., assignor.)
- Barrett, Harvey N. (See Newberry and Barrett.)
- Barrett, John, Montreal, Quebec, Canada. Safety-pocket for trousers. No. 1,075,240; Oct. 7; Gaz. vol. 195; p. 225.
- Barrett, John M., et al. (See Barrett, Louis V., assignor.)
- Barrett, John P., Chicago, Ill. Municipal lighting and police signaling system. No. 1,065,653; June 24; Gaz. vol. 191; p. 949.
- Barrett, Josiah, deceased, and A. Barrett, Bellevue, Pa.; A. Barrett, executor, assignor, by mesne assignments, of one-half to said A. Barrett. Reversing gas-engine. No. 1,065,860; June 24; Gaz. vol. 191; p. 1018.
- Barrett & Lawrence. (See Lawrence, George E., assignor.)
- Barrett, Louis V., Summit Hill, assignor of one-fourth to J. M. Barrett, Coaldale, and one-fourth to A. Breslin, Summit Hill, Pa. Nut-lock. No. 1,059,260; Apr. 15; Gaz. vol. 189; p. 724.
- Barrett Manufacturing Company. (See Cowdery, Arthur B., assignor.)
- Barrett, Richmond H., and C. Ray, Noxapater, Miss. Combination fertilizer-distributor and cotton-seed planter. No. 1,075,621; Oct. 14; Gaz. vol. 195; p. 383.
- Barrett, Sebert C., Medina, N. Y. Tool-hanger. No. 1,081,261; Dec. 9; Gaz. vol. 197; p. 492.
- Barrett, Sebert C., Medina, N. Y. Tool-holder. No. 1,081,262; Dec. 9; Gaz. vol. 197; p. 492.
- Barrett, Thomas J., Bordentown, N. J. Surfacing roads. No. 1,051,478; Jan. 28; Gaz. vol. 186; p. 839.
- Barrett, William J., Brooklyn, assignor to Western Electric Company, New York, N. Y. Winding-machine. No. 1,067,235; July 15; Gaz. vol. 192; p. 526.
- Barrett, William N., Meadville, Pa. Timer for ignition systems. No. 1,064,122; June 10; Gaz. vol. 191; p. 361.
- Barrie, George N., Brookline, Mass. Knockdown structure. No. 1,080,622; Dec. 9; Gaz. vol. 197; p. 276.
- Barrington, Fred G., Portsmouth, Ohio. Fire-escape. No. 1,053,772; Feb. 18; Gaz. vol. 187; p. 736.
- Barron, Clarence W. (See Butler, Reynolds, and Seaman, assignors.)
- Barron, Edmund C., West Kensington, London, England. Chemical fire-extinguisher. No. 1,058,937; Apr. 15; Gaz. vol. 189; p. 613.
- Barron, Henry V., Little Rock, Ark. Automatic damper-regulator. No. 1,080,803; Dec. 9; Gaz. vol. 197; p. 340.
- Barron, Nicholas P., Masonville, Iowa. Fire-escape. No. 1,053,135; Feb. 11; Gaz. vol. 187; p. 474.
- Barron, Walter J., New York, assignor, by mesne assignments, to Remington Typewriter Company, Ilion, N. Y. Type-writing machine. No. 1,059,924; Apr. 22; Gaz. vol. 189; p. 981.
- Barron, William L., New York, N. Y., assignor to The Singer Manufacturing Company. Gage for button-sewing machines. No. 1,069,053; July 29; Gaz. vol. 192; p. 1221.
- Barrott, William, Manhattan Beach, Cal. Tree-protector. No. 1,081,482; Dec. 16; Gaz. vol. 197; p. 605.

Alphabetical list of patentees—Continued.

- Barroul, Abel O., Mobile, Ala. Street-car fender. No. 1,074,036; Sept. 23; Gaz. vol. 194; p. 906.
- Barrow, Benjamin H. (See Spratlin, Benjamin B. and J. W., assignors.)
- Barrow, Morris, New York, N. Y. Dress-shield pocket. No. 1,059,811; Apr. 22; Gaz. vol. 189; p. 946.
- Barrows, Donald S., Paterson, N. J., assignor to American Car and Foundry Company, St. Louis, Mo. Operating device for dumping-doors. No. 1,066,571; July 8; Gaz. vol. 192; p. 262.
- Barrows, Donald S., Paterson, N. J., assignor to American Car and Foundry Company, St. Louis, Mo. Door-operating device. No. 1,066,572; July 8; Gaz. vol. 192; p. 262.
- Barrows, Donald S., Paterson, N. J., assignor to American Car and Foundry Company, St. Louis, Mo. Door-operating device. No. 1,066,573; July 8; Gaz. vol. 192; p. 263.
- Barrows, Donald S., Paterson, N. J., assignor to American Car and Foundry Company, St. Louis, Mo. Door-operating device. No. 1,078,241; Nov. 11; Gaz. vol. 196; p. 374.
- Barrows, Joseph E., Yardley, Birmingham, England. Pruning-tool and like shearing implement. No. 1,066,456; July 1; Gaz. vol. 192; p. 191.
- Barrows, Leon D., New York, N. Y., assignor to American Telephone and Telegraph Company. Intercommunicating telephone system. No. 1,060,308; Apr. 29; Gaz. vol. 189; p. 1157.
- Barrows, Robert Y., Rutherford, assignor of one-half to G. H. Harman, Glen Ridge, N. J. Organ-pipe. No. 1,063,239; June 3; Gaz. vol. 191; p. 24.
- Barrows, Robert Y., Rutherford, assignor of one-half to G. H. Harman, Glen Ridge, N. J. Organ-pipe. No. 1,074,768; Oct. 7; Gaz. vol. 195; p. 63.
- Barrows, Robert Y., Rutherford, assignor of one-half to G. H. Harman, Glen Ridge, N. J. Organ-pipe. No. 1,075,682; Oct. 14; Gaz. vol. 195; p. 404.
- Barry, Charles E., Baltimore, Md. Smoke-cleaning device. No. 1,078,659; Nov. 18; Gaz. vol. 196; p. 550.
- Barry, George J., and F. Bomenblit, assignors to Merrimac Hat Company, Amesbury, Mass. Hat-machine. No. 1,052,646; Feb. 11; Gaz. vol. 187; p. 306.
- Barry, Henry. (See Becker and Barry.)
- Barry, James. (See Plunkett, Hugh E. assignor.)
- Barry, Jefferson, Avoca, Mich. Snap-hook. No. 1,059,812; Apr. 22; Gaz. vol. 189; p. 946.
- Barry, Joe M., Los Angeles, Cal. Cooling attachment for fans. No. 1,074,037; Sept. 23; Gaz. vol. 194; p. 907.
- Barry, John C., Lynn, Mass., assignor to General Electric Company. Dynamo-electric machine. No. 1,066,175; July 1; Gaz. vol. 192; p. 96.
- Barry Manufacturing Company. (See Becker and Barry, assignors.)
- Barry, Robert J., Bingham, Me. Car-stake holder. No. 1,071,384; Aug. 26; Gaz. vol. 193; p. 886.
- Barry-Wehmiller Machinery Company. (See Dawson, Joseph W., assignor.)
- Barry and Zecher Co. Iron Founders and Machinist, The. (See Zecher, Frank J., assignor.)
- Barschall, George P. (See Moriz and Barschall.)
- Barstow, Edwin O., Midland, Mich. Electrolytic cell. No. 1,053,266; Feb. 18; Gaz. vol. 187; p. 563.
- Barstow, George E., assignor to Thomson Electric Welding Company, Lynn, Mass. Clamp for electric metal-working apparatus. No. 1,052,787; Feb. 11; Gaz. vol. 187; p. 354.
- Barstow, Welch, San Francisco, Cal. Electric heater. No. 1,052,997; Feb. 11; Gaz. vol. 187; p. 426.
- Barstow, Welch, San Francisco, Cal. Temperature-regulating means for cars and the like. No. 1,054,815; Mar. 4; Gaz. vol. 188; p. 57.
- Bart, Heinrich, Bad Dürkheim, Germany. Production of organic derivatives of arsenic acid. No. 1,061,587; May 13; Gaz. vol. 190; p. 389.
- Bart, Thomas E., Cincinnati, Ohio. Fountain discharge-head. No. 1,066,243; July 1; Gaz. vol. 192; p. 122.
- Barta, Frank, Jr., Deerfield, Mont. Vehicle-wheel. No. 1,057,916; Apr. 1; Gaz. vol. 189; p. 179.
- Barteaux, John M., assignor to Co-operative Manufacturing Company, Waltham, Mass. Matting-roughing machine. No. 1,076,862; Oct. 28; Gaz. vol. 195; p. 896.
- Barteaux, John M., assignor to Co-operative Manufacturing Company, Waltham, Mass. Preparing matting-stock. No. 1,077,215; Oct. 28; Gaz. vol. 195; p. 1613.
- Bartell Improved Shirt Company. (See Bartell, Reinhold, assignor.)
- Bartell, Reinhold, Newark, N. J., assignor to Bartell Improved Shirt Company, New York, N. Y. Shirt. No. 1,050,715; Jan. 14; Gaz. vol. 186; p. 508.
- Bartels, Carl. (See Mosler and Bartels.)
- Bartels, Carl, Hamilton, Ohio, assignor to The Mosler Safe Company, New York, N. Y. Safe or vault wall. No. 1,063,317; June 3; Gaz. vol. 191; p. 49.
- Bartels, Carl, Hamilton, Ohio, assignor to The Mosler Safe Company, New York, N. Y. Safe or vault wall. No. 1,063,318; June 3; Gaz. vol. 191; p. 50.
- Bartels, Carl, Hamilton, Ohio, assignor to The Mosler Safe Company, New York, N. Y. Safe-boltwork. No. 1,078,818; Nov. 18; Gaz. vol. 196; p. 608.
- Bartels, Carl, Hamilton, Ohio, assignor to The Mosler Safe Company, New York, N. Y. Safe-boltwork. No. 1,082,990; Dec. 30; Gaz. vol. 197; p. 1181.
- Bartels, Carl, Hamilton, Ohio, assignor, by mesne assignments, to The Mosler Safe Company, New York, N. Y. Safe-boltwork. No. 1,082,991; Dec. 30; Gaz. vol. 197; p. 1181.
- Bartels, V. J., *et al.* (See Crosbie, Daniel L., assignor.)
- Barth, Albert D., Philadelphia, Pa. Automatic fender and brake for automobiles. No. 1,051,379; Jan. 28; Gaz. vol. 186; p. 805.
- Barth, Arthur von, New York, N. Y. Counting-machine. No. 1,060,884; May 6; Gaz. vol. 190; p. 111.
- Barth, Arthur von, New York, N. Y. Counting-machine. No. 1,068,036; July 22; Gaz. vol. 192; p. 831.
- Barth, Fritz, Barmen, Germany. Suspender for socks. No. 1,069,099; Aug. 5; Gaz. vol. 193; p. 4.
- Barth, John W., and J. F. Robertson, Pittsburgh, Pa. Car-coupling. No. 1,080,744; Dec. 9; Gaz. vol. 197; p. 318.
- Barthelmess, Emil, Neuss, Germany. Grinding or reducing apparatus. No. 1,068,096; July 22; Gaz. vol. 192; p. 850.
- Barthels Mfg. Company. (See Wiberley, Frank, assignor.)
- Bartholme, Joseph A., Baltimore, Md. Invalid-bed. No. 1,075,752; Oct. 14; Gaz. vol. 195; p. 428.
- Bartholomai, Christ, Los Angeles, Cal. Centrifugal screen and classifier. No. 1,078,819; Nov. 18; Gaz. vol. 196; p. 608.
- Bartholomew, Cassius M., and T. Columbus, Ohio. Holder and deliverer for toothpicks and matches. No. 1,069,666; Aug. 12; Gaz. vol. 193; p. 228.
- Bartholomew, Ella R., Springfield, Ohio. Making dish-mats. No. 1,078,242; Nov. 11; Gaz. vol. 196; p. 375.
- Bartholomew, Ellis, Toledo, Ohio. Compressing and liquid-extracting machine. No. 1,071,020; Aug. 26; Gaz. vol. 193; p. 763.
- Bartholomew, John B., Peoria, Ill., assignor to Avery Company. Wagon. No. 1,058,693; Apr. 8; Gaz. vol. 189; p. 489.
- Bartholomew, John B., Peoria, Ill., assignor to Avery Company. Reel mechanism for planters. No. 1,058,694; Apr. 8; Gaz. vol. 189; p. 490.
- Bartholomew, John B., Peoria, Ill., assignor to Avery Company. Wagon. No. 1,073,837; Sept. 23; Gaz. vol. 194; p. 839.
- Bartholomew, Thomas. (See Bartholomew, Cassius M. and T.)
- Bartholomew, William, assignor to Troy Laundry Machinery Company, Limited, Chicago, Ill. Cuff-press. No. 1,054,269; Feb. 25; Gaz. vol. 187; p. 941.
- Bartholomew, William, assignor to Troy Laundry Machinery Company, Limited, Chicago, Ill. Bosom-board. No. 1,072,808; Sept. 9; Gaz. vol. 194; p. 420.
- Bartholomew, William O. (See Schaaf and Martin, assignors.)
- Bartkowski, Polikarb von, New York, N. Y. Liquid-measuring device. No. 1,050,046; Jan. 7; Gaz. vol. 186; p. 247.
- Bartindale, Henry E., and F. S. Scott, Oxford, Ind. Display-stand. No. 1,081,009; Dec. 9; Gaz. vol. 197; p. 409.
- Bartl, János, Hamburg, Germany. Alarm device. No. 1,065,497; June 24; Gaz. vol. 191; p. 896.
- Bartlett, Charles M., Lynchburg, Va. Buckle. No. 1,059,106; Apr. 15; Gaz. vol. 189; p. 673.
- Bartlett, Frank W., Berkeley, Cal., assignor to Union Machine Company. Briquet-press. No. 1,057,029; Mar. 25; Gaz. vol. 188; p. 906.
- Bartlett Hayward Company, The. (See Wagner, Frederick H., assignor.)
- Bartlett, Herbert D., *et al.* (See Wefel, William C. H., assignor.)
- Bartlett, James H., *et al.* (See Redmond, John E., assignor.)
- Bartlett, John C., Spencer, W. Va., assignor, by mesne assignments, to R. W. Klare, Wabash, Ind. Canning apparatus. No. 1,057,321; Mar. 25; Gaz. vol. 188; p. 1004.
- Bartlett, Kent W., Chicago, Ill. Liquid-treating apparatus. No. 1,072,900; Sept. 9; Gaz. vol. 194; p. 454.
- Bartlett, Laaren L., Sturgeon Lake, Minn. Car-stake. No. 1,073,319; Sept. 16; Gaz. vol. 194; p. 638.
- Bartlett, Marcus J., Chicago, Ill., assignor to Pullman Couch Company. Sofa-bed. No. 1,074,342; Sept. 30; Gaz. vol. 194; p. 1037.
- Bartlett, Reed C., Waupaca, Wis. Bug and worm collector. No. 1,060,417; Apr. 29; Gaz. vol. 189; p. 1197.
- Bartley, Charles B., Pittsburgh, assignor to G. F. Rylands, Charleroi, Pa. Storage-battery lamp. No. 1,056,393; Mar. 18; Gaz. vol. 188; p. 653.
- Bartley, Frank P. (See Clements, George S., assignor.)
- Bartley, Joseph S., Denver, Colo. Crushing-mill. No. 1,064,680; June 10; Gaz. vol. 191; p. 551.
- Bartley, Milton, Pittsburgh, Pa. Nut-lock. No. 1,058,139; Apr. 8; Gaz. vol. 189; p. 300.
- Barton, Charles N., assignor of one-half to J. B. Blackman, Harrisburg, Ill. Cutting-bit for chains of mining-machines. No. 1,078,082; Nov. 11; Gaz. vol. 196; p. 320.

Alphabetical list of patentees—Continued.

- Barton, Daniel W., Oshkosh, Wis. Bell attachment for pianos and the like. No. 1,050,513; Jan. 14; Gaz. vol. 186; p. 443.
- Barton, Edward H., Sprague, Wash. Door-holder. No. 1,054,386; Feb. 25; Gaz. vol. 187; p. 982.
- Barton, Fredrick W., and W. C. Moffat, Hamilton, Ontario, Canada. Jelly-strainer. No. 1,065,335; June 24; Gaz. vol. 191; p. 839.
- Barton, George V., Liverpool, England. Manufacture of lead oxid. No. 1,060,153; Apr. 29; Gaz. vol. 189; p. 1102.
- Barton, Harvey E., Attleboro, Mass., assignor to Freeman-Daughaday Company. Buffing-machine. No. 1,071,501; Aug. 26; Gaz. vol. 193; p. 924.
- Barton, John W., Cleveland, Ohio. Thermostatic valve. No. 1,055,307; Mar. 11; Gaz. vol. 188; p. 255.
- Barton, Joseph T., Chicago, Ill. Printer's quoin. No. 1,073,838; Sept. 23; Gaz. vol. 194; p. 839.
- Barton, Percy F., Victoria, British Columbia, Canada. Tobacco-pipe. No. 1,058,710; Apr. 15; Gaz. vol. 189; p. 532.
- Barton, Samuel E., assignor to The Denver Bedding Company, Denver, Colo. Roll-edge-mattress machine. No. 1,051,855; Feb. 4; Gaz. vol. 187; p. 4.
- Baruch, Frieda, New York, N. Y. Catamenial bandage. No. 1,052,205; Feb. 4; Gaz. vol. 187; p. 125.
- Baruch, Samuel, New York, N. Y. Seal and knot protector. No. 1,074,769; Oct. 7; Gaz. vol. 195; p. 63.
- Baruch, Sydney N., Oakland, assignor of one-third to J. J. Eppinger, San Francisco, Cal. Sanitary toilet-seat cover. No. 1,063,319; June 3; Gaz. vol. 191; p. 50.
- Bary, Charles P., assignor to H. P. C. G. Debaugé, Paris, France. Regenerating vulcanized rubber. No. 1,079,464; Nov. 25; Gaz. vol. 196; p. 859.
- Barz, Frederick, Ventura, Iowa. Attachment for cultivators. No. 1,054,491; Feb. 25; Gaz. vol. 187; p. 1018.
- Barz, Frederick, Ventura, Iowa. Clutch mechanism. No. 1,069,917; Aug. 12; Gaz. vol. 193; p. 315.
- Barzee, George, and C. J. Wahlquist, Heber, Utah. Automatic weir-gage. No. 1,072,901; Sept. 9; Gaz. vol. 194; p. 454.
- Basch, David, New York, N. Y. Collar-support. No. 1,052,401; Feb. 4; Gaz. vol. 187; p. 190.
- Basch, David, New York, N. Y. Dress-shield. No. 1,052,445; Feb. 4; Gaz. vol. 187; p. 205.
- Basch, David, New York, N. Y. Garment-fastener. No. 1,052,448; Feb. 11; Gaz. vol. 187; p. 239.
- Basch, David, New York, N. Y. Trousers-belt. No. 1,082,486; Dec. 30; Gaz. vol. 197; p. 1004.
- Basch, David, Schenectady, N. Y., assignor to General Electric Company. Protective device. No. 1,062,812; May 27; Gaz. vol. 190; p. 878.
- Baseballeon Inc. (See Littman, Zeno, assignor.)
- Bashaw, George W., W. O. Cook, and P. C. Withrow, Denver, Colo. Door-operating mechanism. No. 1,066,574; July 8; Gaz. vol. 192; p. 263.
- Bashelier, Frank M., Jenkintown, assignor to Keystone Type Foundry, Philadelphia, Pa. Printing-office furniture. No. 1,057,371; Mar. 25; Gaz. vol. 188; p. 1020.
- Bashelier, Frank M., Jenkintown, assignor to Keystone Type Foundry, Philadelphia, Pa. Printer's cabinet. No. 1,057,372; Mar. 25; Gaz. vol. 188; p. 1020.
- Bashelier, Frank M., Jenkintown, assignor to Keystone Type Foundry, Philadelphia, Pa. Pressman's register-table. No. 1,057,373; Mar. 25; Gaz. vol. 188; p. 1021.
- Bashlin, William M., Grove City, Pa. Extracting rosin and other by-products from wood. No. 1,059,261; Apr. 15; Gaz. vol. 189; p. 725.
- Basinski, Ignac, assignor of one-fourth to M. Dubish and one-fourth to J. Bombis, Chicago, Ill. Compressed-air motor. No. 1,065,425; June 24; Gaz. vol. 191; p. 871.
- Baskett, James N., and J. H. Rhodes, St. Louis, Mo. Liquid-dispenser. No. 1,062,576; May 20; Gaz. vol. 190; p. 759.
- Baskin, Edwin T., Independence, Mo. Glove. No. 1,072,560; Sept. 9; Gaz. vol. 194; p. 333.
- Basler, George, assignor to Basler Machinery Company, Lynn, Mass. Making leather flexible. No. 1,062,947; May 27; Gaz. vol. 190; p. 924.
- Basler Machinery Company. (See Basler, George, assignor.)
- Bass, Benton A., and R. D. Osgood, Birmingham, Ala. Rail-straightening mill. No. 1,071,861; Sept. 2; Gaz. vol. 194; p. 66.
- Bass Bros. (See Joachimson, Martin, assignor.)
- Bass, Robert, Kgl. Weinberge, near Prague, Austria-Hungary. Producing soluble albumen powder. No. 1,066,364; July 1; Gaz. vol. 192; p. 162.
- Bassett, Albin J. (See Luick and Bassett.)
- Bassett, George B., Buffalo, N. Y. Water-meter. No. 1,073,386; Sept. 16; Gaz. vol. 194; p. 662.
- Bassett, George B., Buffalo, N. Y. Water-meter. No. 1,073,387; Sept. 16; Gaz. vol. 194; p. 662.
- Bassett, George B., Buffalo, N. Y. Water-meter. No. 1,077,116; Oct. 28; Gaz. vol. 195; p. 981.
- Bassett, Harry P., Catonsville, Md. Treatment of aluminum-bearing materials. No. 1,079,589; Nov. 25; Gaz. vol. 196; p. 903.
- Bassett, Harry P., assignor to The Spar Chemical Company, Baltimore, Md. Obtaining potash salts from feldspar. No. 1,072,686; Sept. 9; Gaz. vol. 194; p. 376.
- Bassett, Linn L. (See Volz, Gottlieb W., assignor.)
- Bassett, Robert S., Minneapolis, Minn., assignor to Ocean Beach Gold Platinum Dredge Company. Gold-saving machine. No. 1,050,598; Jan. 14; Gaz. vol. 186; p. 472.
- Bassick, Edgar W., Bridgeport, Conn. Lock. No. 1,061,442; May 13; Gaz. vol. 190; p. 336.
- Bastian Brothers Company. (See Cobbin, Harry G., assignor.)
- Bastian Brothers Company. (See Durnan, William F., assignor.)
- Bastian, Charles L., Chicago, Ill. Carbonating apparatus. No. 1,056,487; Mar. 18; Gaz. vol. 188; p. 688.
- Bastian, Charles L., Chicago, Ill. Carbureter. No. 1,062,688; May 27; Gaz. vol. 190; p. 837.
- Bastian, Charles O., London, England, assignor to Cooper Hewitt Electric Company, Hoboken, N. J. Electric vapor apparatus. No. 1,079,926; Nov. 25; Gaz. vol. 196; p. 1021.
- Bastian, John B., Neosho, Mo. Machine for stuffing cruppers. No. 1,074,155; Sept. 30; Gaz. vol. 194; p. 975.
- Bastian, Joseph H., and A. W. Nordgreen, Moorhead, Minn. Expanding tool-holder. No. 1,075,753; Oct. 14; Gaz. vol. 195; p. 428.
- Bastian-Morley Co. (See Bastian, William B., assignor.)
- Bastian, William B., Chicago, Ill., assignor to Bastian-Morley Co., Pierre, S. D. Gas water-heater. No. 1,072,072; Sept. 2; Gaz. vol. 194; p. 137.
- Baston, James W. (See Olmsted and Baston.)
- Batchelder, Asa F., Schenectady, N. Y., assignor to General Electric Company. Locomotive-truck. No. 1,060,734; May 6; Gaz. vol. 190; p. 59.
- Batchelder, Asa F., Schenectady, N. Y., assignor to General Electric Company. Internal-combustion engine. No. 1,063,638; June 3; Gaz. vol. 191; p. 162.
- Batchelder, Asa F., Schenectady, N. Y., assignor to General Electric Company. Locomotive-truck. No. 1,081,292; Dec. 16; Gaz. vol. 197; p. 540.
- Batchelder, Charles C., Schenectady, N. Y., assignor to General Electric Company. Electric-motor drive. No. 1,075,683; Oct. 14; Gaz. vol. 195; p. 404.
- Batchelder, Frank R., Worcester, Mass. Suspending device. No. 1,054,331; Feb. 25; Gaz. vol. 187; p. 962.
- Batchelder, Frank R., Worcester, Mass. Woven strap. No. 1,065,020; June 17; Gaz. vol. 191; p. 697.
- Batchelder, Frank R., Worcester, Mass. Fabric pocket. No. 1,074,685; Oct. 7; Gaz. vol. 195; p. 35.
- Batcheler, Fred, Bomarton, Tex. Pneumatic horse-collar. No. 1,063,407; June 3; Gaz. vol. 191; p. 81.
- Batcheller, Birney C., New York, N. Y. Pneumatic-despatch-tube receiving-terminal. No. 1,061,034; May 6; Gaz. vol. 190; p. 165.
- Batcheller, Birney C., New York, N. Y. Transit-tubing for carrier systems. No. 1,061,035; May 6; Gaz. vol. 190; p. 165.
- Batcheller, Birney C., New York, N. Y. Carrier system. No. 1,061,036; May 6; Gaz. vol. 190; p. 166.
- Batcheller, Birney C., New York, N. Y. Carrier system. No. 1,061,214; May 6; Gaz. vol. 190; p. 223.
- Batcheller, Birney C., New York, N. Y. Pneumatic-despatch-tube system. No. 1,076,737; Oct. 28; Gaz. vol. 195; p. 851.
- Batcheller, Birney C., New York, N. Y., assignor to The Lamson Company, Boston, Mass. Pneumatic-despatch-tube apparatus. No. 1,067,896; July 22; Gaz. vol. 192; p. 783.
- Batcheller, Josiah W., Jr. (See Dunbar and Batcheller.)
- Batchelor, Charles J. (See Sullivan, Frank, assignor.)
- Batchelor, Fennimore G., assignor to Morse Twist Drill & Machine Company, New Bedford, Mass. Clutch. No. 1,065,021; June 17; Gaz. vol. 191; p. 698.
- Batchelor, William W., Chelsea, Mass. Conveyor-belt. No. 1,079,157; Nov. 18; Gaz. vol. 196; p. 725.
- Batdorf, Charles S., Brooklyn, N. Y. Four-motion feed. No. 1,079,322; Nov. 25; Gaz. vol. 196; p. 810.
- Batdorf, Charles S., Brooklyn, N. Y., assignor to Universal Coinwrapping Machine Company. Coin-package wrapper. No. 1,073,575; Sept. 16; Gaz. vol. 194; p. 726.
- Batdorf, John W. (See Falk, Colonel N., assignor.)
- Bate, Warwick G., Cleveland, Ohio. Pipe-patch clamp. No. 1,066,575; July 8; Gaz. vol. 192; p. 264.
- Bateman, Loftus H. (See Bateman, Richard W. and L. H.)
- Bateman Manufacturing Company. (See Willis, Leland, assignor.)
- Bateman, Paul, assignor to American Car and Foundry Company, St. Louis, Mo. Carry-iron. No. 1,078,243; Nov. 11; Gaz. vol. 196; p. 375.
- Bateman, Paul, assignor to American Car and Foundry Company, St. Louis, Mo. Carry-iron. No. 1,078,244; Nov. 11; Gaz. vol. 196; p. 375.
- Bateman, Richard W. and L. H., Leeds, England. Driving and reversing gear. No. 1,063,104; May 27; Gaz. vol. 190; p. 974.
- Bates, Adelmer M., Chicago, Ill. Loading apparatus. No. 1,060,154; Apr. 29; Gaz. vol. 189; p. 1103.

Alphabetical list of patentees—Continued.

- Bates, Adelmer M., Chicago, Ill. Bag-fastening device. No. 1,062,948; May 27; Gaz. vol. 190; p. 924.
- Bates, Adelmer M., Chicago, Ill. Bagging-machine. No. 1,071,385; Aug. 26; Gaz. vol. 193; p. 986.
- Bates, Adelmer M., assignor to Bates Valve Bag Company, Cleveland, Ohio. Machine for filling bags. No. 1,070,388; Aug. 19; Gaz. vol. 193; p. 518.
- Bates, Adelmer M., assignor to Bates Valve Bag Company, Chicago, Ill. Ring-forming machine. No. 1,071,386; Aug. 26; Gaz. vol. 193; p. 887.
- Bates, Albert J., Chicago, Ill. Side frame for railway-cars. No. 1,062,316; May 20; Gaz. vol. 190; p. 674.
- Bates, Albert J., Chicago, Ill. Treating concrete mixtures. No. 1,062,949; May 27; Gaz. vol. 190; p. 924.
- Bates, Albert J., Chicago, Ill. Jogger. No. 1,069,656; Aug. 5; Gaz. vol. 193; p. 194.
- Bates, Albert J., Chicago, Ill. Machine for forming trussed metal structures. No. 1,083,180; Dec. 30; Gaz. vol. 197; p. 1239.
- Bates, Albert J., Chicago, Ill. Insulating rail-fastener. No. 1,083,181; Dec. 30; Gaz. vol. 197; p. 1239.
- Bates, Arthur. (See Bennion, Bates, and Gouldbourn.)
- Bates, Arthur, Leicester, England, assignor to United Shoe Machinery Company, Paterson, N. J. Machine for cutting out sheet material. No. 1,051,665; Jan. 28; Gaz. vol. 186; p. 902.
- Bates, Arthur, Leicester, England, assignor to United Shoe Machinery Company, Paterson, N. J. Heel-attaching machine. No. 1,051,797; Jan. 28; Gaz. vol. 186; p. 944.
- Bates, Arthur, Leicester, England, assignor to United Shoe Machinery Company, Paterson, N. J. Lasting-machine. No. 1,060,967; May 6; Gaz. vol. 190; p. 141.
- Bates, Arthur, county of Leicester, England, assignor to United Shoe Machinery Company, Paterson, N. J. Pulling-over machine. No. 1,069,218; Aug. 5; Gaz. vol. 193; p. 46.
- Bates, Arthur, Leicester, England, assignor to United Shoe Machinery Company, Paterson, N. J. Gripper mechanism. No. 1,079,590; Nov. 25; Gaz. vol. 196; p. 903.
- Bates, Arthur, Leicester, England, assignor to United Shoe Machinery Company, Paterson, N. J. Sole-sewing machine. No. 1,080,879; Dec. 9; Gaz. vol. 197; p. 366.
- Bates, Arthur, Leicester, England, assignor to United Shoe Machinery Company, Paterson, N. J. Machine for use in the manufacture of boots and shoes. No. 1,082,487; Dec. 30; Gaz. vol. 197; p. 1004.
- Bates, Arthur, Leicester, England, assignor to United Shoe Machinery Company, Paterson, N. J. Pulling-over machine. No. 1,082,488; Dec. 30; Gaz. vol. 197; p. 1005.
- Bates, Arthur, and E. A. Cridland, Leicester England, assignors to United Shoe Machinery Company, Paterson, N. J. Work-support. No. 1,060,735; May 6; Gaz. vol. 190; p. 59.
- Bates & Bacon. (See Coles, William E., assignor.)
- Bates, Benjamin W., H. W. Kelly, and D. H. Corbin, Birmingham, assignors to Life Targets Limited, London, England. Target apparatus for use with kinematographs. No. 1,072,298; Sept. 2; Gaz. vol. 194; p. 212.
- Bates, Benjamin W., H. W. Kelly, and D. H. Corbin, Birmingham, assignors to Life Targets Limited, London, England. Target apparatus for use with kinematographs. No. 1,075,894; Oct. 14; Gaz. vol. 195; p. 475.
- Bates, Bernard, Vancouver, British Columbia, Canada. Door for packing-houses. No. 1,061,588; May 13; Gaz. vol. 190; p. 389.
- Bates, Carl D., Chicago, Ill. Incandescent-lamp-globe changer. No. 1,056,084; Mar. 18; Gaz. vol. 188; p. 551.
- Bates, Edward C. (See Norman and Bates.)
- Bates, Edward T., Washington, D. C. Composite construction of walls, partitions, and the like. No. 1,052,788; Feb. 11; Gaz. vol. 187; p. 354.
- Bates, Eldridge L., *et al.* (See Redmond, James E., assignor.)
- Bates, Francis C. (See Rosencrans and Sanderson, assignors.)
- Bates, Frank H., Elyria, Ohio, assignor, by mesne assignments, to Power Plant Engineering Co. Fuel-supply for gas-engines. No. 1,051,364; Jan. 21; Gaz. vol. 186; p. 766.
- Bates, George A. (See Owen and Bates.)
- Bates, Harry, Albany, assignor to Underwood Automatic Typewriter Pay Station Company, New York, N. Y. Coin and time controlled type-writing machine, &c. No. 1,063,948; June 10; Gaz. vol. 191; p. 300.
- Bates, Harry, Albany, assignor to Underwood Automatic Typewriter Pay Station Company, New York, N. Y. Stand for type-writing machines. No. 1,081,198; Dec. 9; Gaz. vol. 197; p. 470.
- Bates, Henry A., Middletown, Conn., and H. Serrell, Plainfield, N. J., assignors to said Bates. Non-vibration chair. No. 1,058,655; Apr. 8; Gaz. vol. 189; p. 476.
- Bates, Hurland W., Bethel, Conn. Making napped hats in the rough. No. 1,064,427; June 10; Gaz. vol. 191; p. 466.
- Bates, Judge J., *et al.* (See Redmond, James E., assignor.)
- Bates Manufacturing Company. (See Weber, Peter, assignor.)
- Bates, Milton E., and D. H. Nothdurft, Otis, Kans. Whiffletree-guard. No. 1,052,305; Feb. 4; Gaz. vol. 187; p. 157.
- Bates, Ralph E. (See Nagel and Bates.)
- Bates, Ralph E., assignor to J. Nazel, Philadelphia, Pa. Fluid-power hammer. No. 1,082,580; Dec. 30; Gaz. vol. 197; p. 1039.
- Bates, Rodman H., St. Paul, Minn. Car-door lock. No. 1,070,224; Aug. 12; Gaz. vol. 193; p. 420.
- Bates, Thomas W., *et al.* (See Whitaker, Samuel T., assignor.)
- Bates Valve Bag Company. (See Bates, Adelmer M., assignor.)
- Bates Valve Bag Company. (See Truman, Ernest, assignor.)
- Bates Valve Bag Company. (See Truman and Tietz, assignors.)
- Bath, Charles H., Ancon, Canal Zone. Insect-trap. No. 1,082,489; Dec. 30; Gaz. vol. 197; p. 1005.
- Bathe, Nathaniel. (See De Coster and Bathe.)
- Bathrick, Charles E., assignor to F. C. Austin, Chicago, Ill. Splash-plate for concrete-mixers. No. 1,056,249; Mar. 18; Gaz. vol. 188; p. 608.
- Bathrick, Charles E., assignor to F. C. Austin, Chicago, Ill. Mixing-machine. No. 1,064,276; June 10; Gaz. vol. 191; p. 413.
- Batsford, Cramer. (See Batsford, Sterling B. and C.)
- Batsford, Sterling B., Berkeley, and C. Batsford, Oakland, Cal. Bottle. No. 1,050,091; Jan. 14; Gaz. vol. 186; p. 297.
- Batsleer, August L., and S. B. Thomas, Manchester, N. H. Anchoring device for flying-machines. No. 1,070,856; Aug. 19; Gaz. vol. 193; p. 676.
- Batson, Charles H., Columbus, Ohio. Railway-rail fastening. No. 1,069,756; Aug. 12; Gaz. vol. 193; p. 260.
- Batson, Howard M., and L. W. Channell, Vaughn, W. Va. Sanitary toilet-pad. No. 1,070,575; Aug. 19; Gaz. vol. 193; p. 583.
- Batson, Matthew A., Springfield, Mass. Flying-machine. No. 1,077,786; Nov. 4; Gaz. vol. 196; p. 187.
- Batson, Sidney C., Clarksville, Tenn. Garment-hanger. No. 1,049,647; Jan. 7; Gaz. vol. 186; p. 114.
- Battelle, George I., San Francisco, Cal. Railway-tie. No. 1,069,314; Aug. 5; Gaz. vol. 193; p. 78.
- Batten, Richard, Scammon, Kans. Wagon-cover. No. 1,069,219; Aug. 5; Gaz. vol. 193; p. 46.
- Batley, Orlando F., Floydada, Tex. Check for draft apparatus. No. 1,067,456; July 15; Gaz. vol. 192; p. 601.
- Battin, John D., Newark, N. J. Cigar-tip cutter. No. 1,066,365; July 1; Gaz. vol. 192; p. 162.
- Batting, John T., and L. N. Lafayette, Plymouth, Mass., assignors of seven-tenths to said Batting and three-tenths to said Lafayette. Picker-motion. No. 1,071,133; Aug. 26; Gaz. vol. 193; p. 801.
- Battles, Guy W., *et al.* (See Schrumm, Ralph S., assignor.)
- Battles, Hilliard C., Chardon, Ohio. Comb. No. 1,069,054; July 29; Gaz. vol. 192; p. 1221.
- Batz, Rose I., Pittsfield, Ill. Poultry-fountain. No. 1,062,531; May 20; Gaz. vol. 190; p. 743.
- Batzel, Eugene P., Detroit, Mich., assignor of one-half to G. C. Beck, Spokane, Wash. Rotary valve mechanism for gas-engines. No. 1,071,686; Sept. 2; Gaz. vol. 194; p. 5.
- Bauckmann, William, Pittsburgh, Pa. Ice-cream-cone machine. No. 1,070,225; Aug. 12; Gaz. vol. 193; p. 421.
- Baucom, Ransom J. (See Liles and Baucom.)
- Baudewyns, Désiré, Montignies-sur-Sambre, Belgium. Flat hoisting-cable. No. 1,070,661; Aug. 19; Gaz. vol. 193; p. 611.
- Baudot, Joseph, Tourcoing, France. Wool washing and degreasing machine. No. 1,051,944; Feb. 4; Gaz. vol. 187; p. 34.
- Bauer, Aleck, assignor to Bauer & Black, Chicago, Ill. Surgical bandage. No. 1,065,654; June 24; Gaz. vol. 191; p. 949.
- Bauer & Black. (See Bauer, Aleck, assignor.)
- Bauer & Black. (See Bauer, Perry S., assignor.)
- Bauer & Black. (See Schulz, Otto C., assignor.)
- Bauer Brothers Company, The. (See Barker, George G., assignor.)
- Bauer, Charles. (See Treadwell, Claude M., assignor.)
- Bauer, Ferdinand, St. Louis, Mo. Liquid-cooling apparatus. No. 1,050,909; Jan. 21; Gaz. vol. 186; p. 613.
- Bauer, Ferdinand, Leedsdale, Pa. Calipers. No. 1,058,403; Apr. 8; Gaz. vol. 189; p. 392.
- Bauer, Frederick C., East Camden, N. J. Rail-chair. No. 1,065,770; June 24; Gaz. vol. 191; p. 988.
- Bauer, Louis P., Pekin, Ill., assignor to Corn Products Refining Company. Apparatus for drying starch. No. 1,061,720; May 13; Gaz. vol. 190; p. 435.
- Bauer, Perry S., assignor to Bauer & Black, Chicago, Ill. Carton. No. 1,070,939; Aug. 19; Gaz. vol. 193; p. 702.
- Bauer, Perry S., assignor to Bauer & Black, Chicago, Ill. Gauze-bandage roll. No. 1,070,940; Aug. 19; Gaz. vol. 193; p. 702.
- Bauer, Perry S., assignor to Bauer & Black, Chicago, Ill. Air-tight box. No. 1,080,190; Dec. 2; Gaz. vol. 197; p. 95.

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- Bauer, Perry S., assignor to Bauer & Black, Chicago, Ill. Adhesive-plaster spool. No. 1,080,508; Dec. 2; Gaz. vol. 197; p. 206.
- Bauer, Thomas, La Fayette, Ind. Paper-making machinery. No. 1,071,021; Aug. 26; Gaz. vol. 193; p. 763.
- Bauer, Wilhelm, Vohwinkel, A. Herre, and R. Mayer, assignors to Farbenfabriken vorm. Friedr. Bayer & Co., Elberfeld, Germany. Vat dye. No. 1,051,856; Feb. 4; Gaz. vol. 187; p. 4.
- Bauer, Wilhelm, A. Herre, and R. Mayer, assignors to Farbenfabriken vorm. Friedr. Bayer & Co., Elberfeld, Germany. Vat dye. No. 1,074,405; Sept. 30; Gaz. vol. 194; p. 1058.
- Bauer, William J., assignor to S. J. Lebach, New York. N. Y. Safety-razor. No. 1,067,393; July 15; Gaz. vol. 192; p. 580.
- Bauer, William J., assignor to B. B. Simons, New York. N. Y. Combined tail-light and signal for automobiles. No. 1,068,838; July 29; Gaz. vol. 192; p. 1148.
- Bauerle, Jacob, Witt, Ill. Crutch. No. 1,077,216; Oct. 28; Gaz. vol. 195; p. 1013.
- Bauermeister, Emil L. H., Altona, Germany. Apparatus for separating ground material, particularly cocoa powder. No. 1,058,344; Apr. 8; Gaz. vol. 189; p. 371.
- Baughman, Harry S., Albion, Mich. Horse-collar. No. 1,059,813; Apr. 22; Gaz. vol. 189; p. 946.
- Baughman, Harry S., Albion, Mich. Draft-collar for horses. No. 1,073,657; Sept. 23; Gaz. vol. 194; p. 777.
- Baughman, Sherman, assignor of one-half to A. Reichman, Ada, Ohio. Railway-tie. No. 1,081,086; Dec. 9; Gaz. vol. 197; p. 432.
- Baughn, Samuel C., and G. A. Wright, Canalou, assignors of one-sixth to W. P. Scott and one-sixth to B. F. Earles, Morley, Mo. Rotary engine. No. 1,059,702; Apr. 22; Gaz. vol. 189; p. 909.
- Baujard, Georges, Paris, France. Cloth-pressing machine. No. 1,070,318; Aug. 12; Gaz. vol. 193; p. 453.
- Baum, Albert E., and A. Schoel, Waterloo, Iowa. Heating-radiator. No. 1,059,262; Apr. 15; Gaz. vol. 189; p. 725.
- Baum, Asa C., Little Falls, N. Y. Napper. No. 1,082,992; Dec. 30; Gaz. vol. 197; p. 1182.
- Baum, Frank G., *et al.* (See Koughan, John J. K., assignor.)
- Baum, Henry G., assignor to Pullman Motor Car Company, York, Pa. Hinge for automobile-hoods. No. 1,079,536; Nov. 25; Gaz. vol. 196; p. 883.
- Baum, James B., Grand Junction, Colo. Combination tie-plate and rail-clamp. No. 1,050,789; Jan. 21; Gaz. vol. 186; p. 568.
- Baum, James B., assignor to The Railway Safety Appliance Company, Grand Junction, Colo. Rail-joint. No. 1,055,965; Mar. 11; Gaz. vol. 188; p. 476.
- Baum, John A., Appleton, Wis. Stanchion for stock. No. 1,052,558; Feb. 11; Gaz. vol. 187; p. 275.
- Baum, Lippman, and C. Sandler, Washington, D. C. Lock for automobiles. No. 1,065,103; June 17; Gaz. vol. 191; p. 725.
- Baum, Louis, Paterson, N. J. Expansible reamer. No. 1,079,630; Nov. 25; Gaz. vol. 196; p. 916.
- Baum, Louis F., and N. Massie, Kansas City, Mo. Combined paper-weight and automatic moistener. No. 1,081,087; Dec. 9; Gaz. vol. 197; p. 432.
- Bauman, Alvin L., and E. O. Stopp, St. Louis, Mo.; said Stopp assignor to said Bauman. Marking or stamping device. No. 1,070,763; Aug. 19; Gaz. vol. 193; p. 646.
- Bauman, George C. (See Kane and Bauman.)
- Bauman, George C., assignor to Moser Paper Company, Chicago, Ill. Card-cutting machine. No. 1,053,966; Feb. 25; Gaz. vol. 187; p. 838.
- Bauman, Louis F. (See Rowan and Bauman.)
- Baumann, August, assignor to Maschinenfabrik Augsburg-Nürnberg A. G., Augsburg, Germany. Combustion-engine. No. 1,083,265; Dec. 30; Gaz. vol. 197; p. 1267.
- Baumann, Bernard, and W. M. Dawson, Dayton, Ohio. Safety device for elevators. No. 1,051,945; Feb. 4; Gaz. vol. 187; p. 34.
- Baumann, Margrith, New York, N. Y. Hair-tonic. No. 1,050,758; Jan. 14; Gaz. vol. 186; p. 522.
- Baumann, Max, assignor to Aktieselskabet Max Baumann, Copenhagen, Denmark. Apparatus for printing text on tapes. No. 1,069,315; Aug. 5; Gaz. vol. 193; p. 79.
- Baumann, Robert. (See Wurmb and Baumann.)
- Baumbach, Christian, Hanover, Germany. Combined cigar cutter and lighter. No. 1,068,300; July 22; Gaz. vol. 192; p. 922.
- Baumer, Bertha, Atlanta, Ga., and C. E. Baumer, Troy, Ohio. Safety device for elevators. No. 1,050,599; Jan. 14; Gaz. vol. 186; p. 472.
- Baumer, Bertha, Atlanta, Ga., and C. E. Baumer, Troy, Ohio. Safety device for elevators. No. 1,055,252; Mar. 4; Gaz. vol. 188; p. 199.
- Baumer, Clarence E. (See Baumer, Bertha and C. E.)
- Baumgaertner, Friedrich W., Cleveland, Ohio. Cyclometer. No. 1,058,938; Apr. 15; Gaz. vol. 189; p. 613.
- Baumgart, Ella, Red Wing, Minn. Cover and brush-holder for mucilage-bottles. No. 1,052,306; Feb. 4; Gaz. vol. 187; p. 157.
- Baumhauser, William C., *et al.* (See Blow and Sandiford, assignors.)
- Baumiller, John, and R. J. Barr, Jr., Chicago, Ill. Dish-washing machine. No. 1,082,259; Dec. 23; Gaz. vol. 197; p. 895.
- Baur, Philip J., Pittsburgh, Pa. Wrapping-machine. No. 1,075,684; Oct. 14; Gaz. vol. 195; p. 405.
- Bauroth, Leonhard, Toledo, Ohio, assignor to C. H. Wacker, Chicago, Ill. Power-press. No. 1,060,662; May 6; Gaz. vol. 190; p. 33.
- Bauroth, Leonhard, Toledo, Ohio, assignor to C. H. Wacker, Chicago, Ill. Sheet-metal-working machine. No. 1,060,663; May 6; Gaz. vol. 190; p. 33.
- Bauroth, Leonhard, Toledo, Ohio, assignor to The Metallic Barrel Company, Chicago, Ill. Metallic package. No. 1,063,152; May 27; Gaz. vol. 190; p. 990.
- Bausch, Edward and H., G. Hommel, W. L. Patterson, and E. Sailer, assignors, by mesne assignments, to Bausch & Lomb Optical Company, (No. 2.) Rochester, N. Y. Projection apparatus. No. 1,059,969; Apr. 29; Gaz. vol. 189; p. 1040.
- Bausch, Henry. (See Bausch, Hommel, Patterson, and Sailer.)
- Bausch & Lomb Optical Company. (See Saegmuller, George N., assignor.)
- Bausch & Lomb Optical Company, (No. 2.) (See Bausch, Hommel, Patterson, and Sailer, assignors.)
- Bauschlicher, August, Sachenhausen-Frankfort-on-the-Main, Germany, assignor, by mesne assignments, to H. Hess, Philadelphia, Pa. Gage. No. 1,072,378; Sept. 2; Gaz. vol. 194; p. 240.
- Baus Machine Tool Company. (See Curtis, George V., assignor.)
- Bausman, Alonzo L., Chicopee, Mass. Grinding-machine. No. 1,079,465; Nov. 25; Gaz. vol. 196; p. 859.
- Baverey, Joseph, Irigny, France. Rotary valve mechanism for internal-combustion motors. No. 1,059,516; Apr. 22; Gaz. vol. 189; p. 849.
- Bavier, Charles S., New York, N. Y. Device for lubricating internal-combustion engines. No. 1,057,112; Mar. 25; Gaz. vol. 188; p. 935.
- Bavier, Charles S., New York, N. Y. Lubricating apparatus. No. 1,078,407; Nov. 11; Gaz. vol. 196; p. 435.
- Bawden, Fred M., Toronto, Ontario, Canada. Tire-tread. No. 1,050,790; Jan. 21; Gaz. vol. 186; p. 568.
- Bawden, William. (See Baker, Cloice B., assignor.)
- Baxendale, Fredrick W., assignor of one-half to W. E. Baxendale, Streator, Ill. Weather-strip. No. 1,078,531; Nov. 11; Gaz. vol. 196; p. 475.
- Baxendale, Walter E. (See Baxendale, Fredrick W., assignor.)
- Baxley, Spurgeon, Wilmington, N. C. Cotton-chopper. No. 1,059,107; Apr. 15; Gaz. vol. 189; p. 673.
- Baxter, Avery B., Frederick, Okla. Railway-spike. No. 1,077,583; Nov. 4; Gaz. vol. 196; p. 119.
- Baxter, Berry A., Mansfield, Ohio. Stove-door. No. 1,072,809; Sept. 9; Gaz. vol. 194; p. 420.
- Baxter, Daniel N., trustee. (See Baxter, Daniel N., assignor.)
- Baxter, Daniel N., assignor to D. N. Baxter, trustee, Wichita, Kans. Automobile. No. 1,063,003; May 27; Gaz. vol. 190; p. 941.
- Baxter, James P., Jr., Portland, Me. Mechanism for feeding a single line of cans in two opposite directions. No. 1,058,287; Apr. 8; Gaz. vol. 189; p. 350.
- Baxter, James P., Jr., Portland, Me. Apparatus for tilting cans. No. 1,064,277; June 10; Gaz. vol. 191; p. 413.
- Baxter, James S. R., Cambridge, Mass., assignor to Baxter Side Car Company. Extension-frame for bicycles. No. 1,070,319; Aug. 12; Gaz. vol. 193; p. 453.
- Baxter, James S. R., Cambridge, Mass., assignor to Baxter Side Car Company. Extension-frame for bicycles. No. 1,070,320; Aug. 12; Gaz. vol. 193; p. 453.
- Baxter, John. (See Ayer, Alton E., assignor.)
- Baxter, John B., assignor to Covert Manufacturing Company, Watervliet, N. Y. Blank for snap-hooks. No. 1,059,814; Apr. 22; Gaz. vol. 189; p. 947.
- Baxter, John M., Draketown, Ga. Plow-stock. No. 1,069,220; Aug. 5; Gaz. vol. 193; p. 46.
- Baxter, John W., Wellsville, Ohio, and R. Davis, St. Marys, Pa. Hat-pin-point protector. No. 1,063,765; June 3; Gaz. vol. 191; p. 206.
- Baxter Side Car Company. (See Baxter, James S. R., assignor.)
- Baxter, Willard W. (See Ross, Frederick M., assignor.)
- Baxter, William, Jr., assignor to Otis Elevator Company, Jersey City, N. J. Push-button system. No. 1,072,074; Sept. 2; Gaz. vol. 194; p. 138.
- Baxter, William C., Beverly, Mass., assignor to United Shoe Machinery Company, Paterson, N. J. Machine for rounding soles. No. 1,080,191; Dec. 2; Gaz. vol. 197; p. 95.
- Bay State Gas Company (Delaware). (See Roessler and Armington, assignors.)
- Bayard, Amelia A., executrix. (See Bayard, Emery.)
- Bayard, Emery, deceased; A. A. Bayard, executrix, Rochester, N. Y., assignor to United Shoe Machinery Company, Paterson, N. J. Machine for use in the manufacture of boots and shoes. No. 1,068,839; July 29; Gaz. vol. 192; p. 1149.

Alphabetical list of patentees—Continued.

- Bayard, Emery, deceased; A. A. Bayard, executrix, Rochester, N. Y., assignor to United Shoe Machinery Company, Paterson, N. J. Pulling-over machine. No. 1,068,840; July 29; Gaz. vol. 192; p. 1149.
- Bayard, Emery, deceased; A. A. Bayard, executrix, Rochester, N. Y., assignor to United Shoe Machinery Company, Paterson, N. J. Pulling-over machine. No. 1,068,841; July 29; Gaz. vol. 192; p. 1150.
- Bayard, Emery, deceased; A. A. Bayard, executrix, Rochester, N. Y., assignor to United Shoe Machinery Company, Paterson, N. J. Gripper. No. 1,068,842; July 29; Gaz. vol. 192; p. 1150.
- Bayard, Emery, deceased; A. A. Bayard, executrix, Rochester, N. Y., assignor to United Shoe Machinery Company, Paterson, N. J. Toe-wiring device. No. 1,068,843; July 29; Gaz. vol. 192; p. 1151.
- Bayer, Jacob J., Columbus, Ohio. Snap-hook. No. 1,060,736; May 6; Gaz. vol. 190; p. 60.
- Bayer, Lee, Willisville, Ill. Smoke-consumer. No. 1,063,320; June 3; Gaz. vol. 191; p. 51.
- Bayer, Leo J., assignor to Bayer Steam Soot Blower Company, St. Louis, Mo. Soot boiler-cleaner. No. 1,066,244; July 1; Gaz. vol. 192; p. 122.
- Bayer, Paul, assignor to The Thomas B. Jeffery Company, Kenosha, Wis. Bearing-roller retainer. No. 1,060,579; May 6; Gaz. vol. 190; p. 5.
- Bayer Steam Soot Blower Company. (See Bayer, Leo J., assignor.)
- Bayer, William F., assignor to Chase & Baker Company, Buffalo, N. Y. Tracker-box. No. 1,064,810; June 17; Gaz. vol. 191; p. 630.
- Bayles, Ernest A., Helsby, assignor to British Insulated and Helsby Cables Limited, Prescott, England. Electrical condenser. No. 1,063,105; May 27; Gaz. vol. 190; p. 975.
- Bayles, Lewis C., Easton, Pa., assignor to Ingersoll-Rand Company, New York, N. Y. Valve for percussive tools. No. 1,056,250; Mar. 18; Gaz. vol. 188; p. 608.
- Bayles, Lewis C., Easton, Pa., assignor to Ingersoll-Rand Company, New York, N. Y. Valve for percussive tools. No. 1,056,251; Mar. 18; Gaz. vol. 188; p. 609.
- Bayles, Lewis C., Easton, Pa., assignor to Ingersoll-Rand Company, New York, N. Y. Valve-motion for percussive tools. No. 1,057,700; Apr. 1; Gaz. vol. 189; p. 104.
- Bayles, Lewis C., Easton, Pa., assignor to Ingersoll-Rand Company, New York, N. Y. Valve-motion for percussive tools. No. 1,057,701; Apr. 1; Gaz. vol. 189; p. 104.
- Bayles, Lewis C., Easton, Pa., assignor to Ingersoll-Rand Company, New York, N. Y. Percussive tool. No. 1,060,224; Apr. 29; Gaz. vol. 189; p. 1127.
- Bayles, Lewis C., Easton, Pa., assignor to Ingersoll-Rand Company, New York, N. Y. Percussive tool. No. 1,060,225; Apr. 29; Gaz. vol. 189; p. 1127.
- Bayles, Lewis C., Easton, Pa., assignor to Ingersoll-Rand Company, New York, N. Y. Percussive tool. No. 1,080,095; Dec. 2; Gaz. vol. 197; p. 62.
- Bayles, Lewis C., Easton, Pa., assignor to Ingersoll-Rand Company, New York, N. Y. Percussive tool. No. 1,080,096; Dec. 2; Gaz. vol. 197; p. 62.
- Bayles, Lewis C., Easton, Pa., assignor to Ingersoll-Rand Company, New York, N. Y. Percussive tool. No. 1,080,880; Dec. 9; Gaz. vol. 197; p. 366.
- Bayles, Lewis C., Easton, Pa., assignor to Ingersoll-Rand Company, New York, N. Y. Percussive tool. No. 1,080,881; Dec. 9; Gaz. vol. 197; p. 367.
- Bayles, Lewis C., Easton, Pa., assignor to Ingersoll-Rand Company, New York, N. Y. Percussive tool. No. 1,081,653; Dec. 16; Gaz. vol. 197; p. 659.
- Bayles, Lewis C., Johannesburg, Transvaal, assignor to Ingersoll-Rand Company, New York, N. Y. Valve-motion for rock-drills. No. 1,077,584; Nov. 4; Gaz. vol. 196; p. 119.
- Bayley, George W. (See Willoughby, John, assignor.)
- Bayley, Guy L., Berkeley, Cal. Shock-absorber. No. 1,062,758; May 27; Gaz. vol. 190; p. 860.
- Bayley, Harry P. (See Ross, Mark A., assignor.)
- Baylies, Ripley N., assignor to The P. & M. Company, Chicago, Ill. Rail-anchor. No. 1,052,432; Feb. 4; Gaz. vol. 187; p. 201.
- Baylis, Robert N., East Orange, N. J. Fluid-pressure regulator. No. 1,062,138; May 20; Gaz. vol. 190; p. 613.
- Bayliss, Thomas A., Warwick, assignor of one-half to B. G. Clark, London, England. Alloy of zinc. No. 1,074,234; Sept. 30; Gaz. vol. 194; p. 1002.
- Bayrer, William J. (See Henry and Bayrer.)
- Bayuk, Meyer, Glenside, and E. P. Hirst, Philadelphia, Pa. Easel-mounted display-box and lid and cover support therefor. No. 1,049,800; Jan. 7; Gaz. vol. 186; p. 164.
- Bayuk, Nicholas, McKinley, Minn. Bucket-grip. No. 1,064,123; June 10; Gaz. vol. 191; p. 361.
- Bazeley, Arthur J., assignor to The National Malleable Castings Company, Cleveland, Ohio. Car-coupling. No. 1,067,578; July 15; Gaz. vol. 192; p. 642.
- Bazeley, Arthur J., assignor to The National Malleable Castings Company, Cleveland, Ohio. Uncoupling mechanism for car-couplings. No. 1,067,579; July 15; Gaz. vol. 192; p. 642.
- Bazeley, Arthur J., assignor to The National Malleable Castings Company, Cleveland, Ohio. Car-coupling. No. 1,072,075; Sept. 2; Gaz. vol. 194; p. 139.
- Bazeley, Arthur J., assignor to The National Malleable Castings Company, Cleveland, Ohio. Bottom-opening car-coupling. No. 1,072,076; Sept. 2; Gaz. vol. 194; p. 139.
- Bazlen, Max, E. Rieger, and T. Wohlfahrt, assignors to Badische Anilin & Soda Fabrik, Ludwigshafen-on-the-Rhine, Germany. Crystalline monozinc formaldehyde sulfoxylate. No. 1,063,004; May 27; Gaz. vol. 190; p. 941.
- Beach, Arthur T. (See Russ, Beach, and Kleinfeldt.)
- Beach, Charles H. (See Strickland and Beach.)
- Beach, Clarence E., Binghamton, assignor to G. O. Knapp, New York, N. Y. Releasing mechanism. No. 1,050,791; Jan. 21; Gaz. vol. 186; p. 568.
- Beach, Clarence E., Binghamton, assignor to G. O. Knapp, New York, N. Y. Signaling system. No. 1,062,381; May 20; Gaz. vol. 190; p. 695.
- Beach, Clarence E., Binghamton, assignor to G. O. Knapp, New York, N. Y. Multiple-signal transmitter. No. 1,067,711; July 15; Gaz. vol. 192; p. 688.
- Beach, Clarence E., Binghamton, assignor to G. O. Knapp, New York, N. Y. Signaling mechanism. No. 1,078,984; Nov. 18; Gaz. vol. 196; p. 663.
- Beach, Clarence E., Binghamton, assignor to G. O. Knapp, New York, N. Y. Signaling system. No. 1,078,985; Nov. 18; Gaz. vol. 196; p. 664.
- Beach, Clarence E., Binghamton, assignor to G. O. Knapp, New York, N. Y. Apparatus for charging storage batteries. No. 1,082,187; Dec. 23; Gaz. vol. 197; p. 869.
- Beach, Clarence E., and H. W. Doughty, Binghamton, assignors to G. O. Knapp, New York, N. Y. Signal-box. No. 1,079,309; Nov. 18; Gaz. vol. 196; p. 774.
- Beach, Clarence E., and H. W. Doughty, Binghamton, assignors to G. O. Knapp, New York, N. Y. Controlling system for signaling-circuits. No. 1,080,246; Dec. 2; Gaz. vol. 197; p. 115.
- Beach, Edward W., Waterbury, Conn. Foundry-riddle. No. 1,078,532; Nov. 11; Gaz. vol. 196; p. 475.
- Beach, Henry L., and F. W. Babcock, Cleveland, Ohio. Separable fastener. No. 1,061,805; May 13; Gaz. vol. 190; p. 459.
- Beach, Lewis W. (See Beach, Oliver F. and L. W.)
- Beach, Oliver F. and L. W., Bucyrus, Ohio. Convertible wagon-box and hay-rack. No. 1,060,418; Apr. 29; Gaz. vol. 189; p. 1197.
- Beach, Oscar C. (See Braun and Beach.)
- Beach, Oscar C., assignor to F. W. Braun, Los Angeles, Cal. Keying device. No. 1,074,343; Sept. 30; Gaz. vol. 194; p. 1037.
- Beach, Prentice E., Harwood Mines, Pa. Railway-switch. No. 1,054,492; Feb. 25; Gaz. vol. 187; p. 1018.
- Beach, Ralph H., assignor to Federal Storage Battery Car Company, New York, N. Y. Railway-car. No. 1,081,942; Dec. 23; Gaz. vol. 197; p. 785.
- Beach, Robert O., San Francisco, Cal. Sash-lock. No. 1,059,970; Apr. 29; Gaz. vol. 189; p. 1041.
- Beach, Thomas. (See Rose and Beach.)
- Beadle, George W., East Orange, N. J., assignor to Westinghouse Lamp Company. Incandescent-lamp-cleaning machine. No. 1,053,468; Feb. 18; Gaz. vol. 187; p. 632.
- Beadle, George W., East Orange, N. J., assignor to Westinghouse Lamp Company. Cleaning-machine. No. 1,053,554; Feb. 18; Gaz. vol. 187; p. 662.
- Beadle, Mark, Battle Creek, Mich. Bath-cabinet. No. 1,080,247; Dec. 2; Gaz. vol. 197; p. 115.
- Beagle, Florence E., Vogel Center, Mich. Ironing-cabinet. No. 1,054,816; Mar. 4; Gaz. vol. 188; p. 57.
- Beal, Carroll N., San Francisco, Cal. Automobile turntable. No. 1,069,843; Aug. 12; Gaz. vol. 193; p. 290.
- Beale, Cadwalder W., et al. (See Attridge, Oliver H., assignor.)
- Beale, William H., Wellington, New Zealand. Circular-fashioning knitting-machine using double-ended latch-needles. No. 1,073,885; Sept. 23; Gaz. vol. 194; p. 855.
- Bealer, Harrison K., Allentown, Pa. Water-heating device. No. 1,079,826; Nov. 25; Gaz. vol. 196; p. 986.
- Beall, Albert E., assignor to Vertical Drainage Company, Clinton, Iowa. Drainage system. No. 1,060,737; May 6; Gaz. vol. 190; p. 60.
- Beall, Andrew T. (See Leach and Beall.)
- Beall, Ira L., Alma, Mo. Gate-hinge. No. 1,050,092; Jan. 14; Gaz. vol. 186; p. 298.
- Beals, John E. L., assignor of one-half to H. A. Hart, New York, N. Y. Float for fishing. No. 1,065,204; June 17; Gaz. vol. 191; p. 757.
- Beals, John H., Winchester, Ind. Feed-bag. No. 1,056,730; Mar. 18; Gaz. vol. 188; p. 773.
- Beam, Gideon. (See Beam, Nathaniel and G.)
- Beam, Joseph J., assignor of one-half to B. J. Toben, Duluth, Minn. Mop-stick. No. 1,073,464; Sept. 16; Gaz. vol. 194; p. 689.
- Beam, Nathaniel and G., Waterloo, Ontario, Canada. Threshing-machine. No. 1,059,108; Apr. 15; Gaz. vol. 189; p. 673.

Alphabetical list of patentees—Continued.

- Beam, Willie C., assignor of one-half to T. D. Reber, Rockford, Ill. Regulator. No. 1,067,394; July 15; Gaz. vol. 192; p. 580.
- Beamer, James A., Tyrone, Pa. Sand-drier. No. 1,069,667; Aug. 12; Gaz. vol. 193; p. 229.
- Bean, Arthur E., Greenville, Pa. Tool-post. No. 1,058,656; Apr. 8; Gaz. vol. 189; p. 477.
- Bean, Emmett L., Erie, Pa. Buoy for locating wrecks. No. 1,058,939; Apr. 15; Gaz. vol. 189; p. 614.
- Bean, Harry A., Leroy township, Barton county, Mo. Frame for motor-plows. No. 1,068,559; July 29; Gaz. vol. 192; p. 1048.
- Bean, Harry A., Leroy township, Barton county, Mo. Wheeled plow. No. 1,068,560; July 29; Gaz. vol. 192; p. 1048.
- Bean, Henry O., Coldwater, Kans. Combined hawk and trowel. No. 1,078,122; Nov. 11; Gaz. vol. 196; p. 334.
- Bean, Jesse A., Texarkana, Tex. Combined rein-holder and whip-socket. No. 1,051,062; Jan. 21; Gaz. vol. 186; p. 665.
- Bean, Jesse A., Texarkana, Tex. Rein-holder. No. 1,052,402; Feb. 4; Gaz. vol. 187; p. 190.
- Bean, Roscoe, Berea, Ohio. Vehicle-raiser. No. 1,083,182; Dec. 30; Gaz. vol. 197; p. 1239.
- Bean, Theodore C., Glen Ullin, N. D. Attachment for automobiles. No. 1,077,030; Oct. 28; Gaz. vol. 195; p. 955.
- Beanes, Frederick E. V., Blackbeath, England. Pliers, tongs, and like tool. No. 1,066,071; July 1; Gaz. vol. 192; p. 59.
- Beans, Hal T., New York, N. Y. Treatment of plaster of Paris. No. 1,076,863; Oct. 28; Gaz. vol. 195; p. 896.
- Beans, Jacob B., Philadelphia, Pa. Sign. No. 1,059,703; Apr. 22; Gaz. vol. 189; p. 910.
- Beaus, John F. (See Beaumont, Beans, and Lehman.)
- Bear Milling and Mining Company. (See Nielsen, Borglin, and Soeborg, assignors.)
- Bear, Wilson G. (See Hurlbut, Kenneth C., assignor.)
- Bear, Wilson G., and K. C. Hurlbut, Monroe, Wis. Dust shield for hubs. No. 1,061,806; May 13; Gaz. vol. 190; p. 460.
- Beard, Daniel, Newport, R. I. Safety-razor. No. 1,079,095; Nov. 18; Gaz. vol. 196; p. 703.
- Beard, James C. (See Schnebly and Beard.)
- Beardslee, Robert W. (See Porter, Thomas, assignor.)
- Beardsley, Claude W., Tacoma, Wash. Electric rat-trap. No. 1,074,770; Oct. 7; Gaz. vol. 195; p. 63.
- Beardsley, Otis L., Chicago, Ill. Sled. No. 1,066,445; July 1; Gaz. vol. 192; p. 187.
- Bears, Charles D., assignor of one-half to A. Welton, Vincennes, Ind. Cistern-cleaner. No. 1,053,140; Feb. 11; Gaz. vol. 187; p. 476.
- Beasecker, Clarence H., assignor of one-half to J. B. Symes, Sparta, Mich. Compound rail. No. 1,061,037; May 6; Gaz. vol. 190; p. 166.
- Beasley, Elmer, Carterville, Ill. Trace connection for vehicle-shafts. No. 1,068,962; July 29; Gaz. vol. 192; p. 1192.
- Beasley, Stanley F. (See Fretter and Beasley.)
- Beasley, William F., Plymouth, N. C. Vehicle-tire. No. 1,051,798; Jan. 28; Gaz. vol. 186; p. 944.
- Beatham, Stanley. (See McKenney and Beatham.)
- Beaton & Corbin Mfg. Co., The. (See Wells, Albert R. and F. N., assignors.)
- Beaton, William F., Philadelphia, Pa. Milk-bottle holder. No. 1,064,698; June 17; Gaz. vol. 191; p. 593.
- Beatson, Lachlan M., Ashton, Kans. Hat-fastener. No. 1,082,789; Dec. 30; Gaz. vol. 197; p. 1113.
- Beattie, Joseph F., Hammond, Ind. Apparatus for refining lead. No. 1,078,408; Nov. 11; Gaz. vol. 196; p. 435.
- Beattie Machine Works. (See Maitland and Beattie, assignors.)
- Beattie, Richard L., Winnipeg, Manitoba, Canada. Pipe-coupling. No. 1,082,993; Dec. 30; Gaz. vol. 197; p. 1182.
- Beattie, Walter J. (See Maitland and Beattie.)
- Beattie, William J. (See Miller and Beattie.)
- Beatty, Joseph H., Cromberg, Cal. Rail-chair. No. 1,079,204; Nov. 18; Gaz. vol. 196; p. 741.
- Beatty, Pakenham W. (See Digby, Beatty, and Huskinson.)
- Beatty, Raymond C., Ford City, assignor to Pittsburgh Plate Glass Company, Pittsburgh, Pa. Truing mechanism for glass-grinding apparatus. No. 1,074,099; Sept. 30; Gaz. vol. 194; p. 957.
- Beatty, Richard C., Buffalo, N. Y. Display device. No. 1,079,096; Nov. 18; Gaz. vol. 196; p. 703.
- Beatty, Richard C., Buffalo, N. Y. Display device. No. 1,079,097; Nov. 18; Gaz. vol. 196; p. 704.
- Beatty, Richard C., Buffalo, N. Y. Display device for bottles and analogous articles. No. 1,079,158; Nov. 18; Gaz. vol. 196; p. 725.
- Beatty, Robert D. (See Burton, Charles G., assignor.)
- Beatty, Ross J. (See Snyder, Parke T., assignor.)
- Beatty, Samuel F. (See Morenus, Beatty, and Moats.)
- Beatty, Zirna T., Quincy, Mich. Box-lock. No. 1,066,366; July 1; Gaz. vol. 192; p. 162.
- Beaubien, Robert E., assignor to S. O. Cavette, Chicago, Ill. Clothes-pounder. No. 1,074,593; Sept. 30; Gaz. vol. 194; p. 1120.
- Beaucage, Joseph H. D., Pittsfield, Mass. Explosive-engine. No. 1,055,120; Mar. 4; Gaz. vol. 188; p. 157.
- Beauchaine, Alfred L. (See Montfort and Beauchaine.)
- Beaudette, Romeo A., Chippewa Falls, Wis. Clamping device. No. 1,078,533; Nov. 11; Gaz. vol. 196; p. 475.
- Beaudry, Frederick, Springfield, Mass. Chair-seat frame. No. 1,060,664; May 6; Gaz. vol. 190; p. 34.
- Beaudry, Severe J., Bridgeport, Conn., assignor by mesne assignments, to Remington Typewriter Company, Ilion, N. Y. Type-writing machine. No. 1,076,013; Oct. 21; Gaz. vol. 195; p. 545.
- Beaudry, Zotique, Lynn, Mass. Machine for burnishing the edges of the soles of boots and shoes. No. 1,080,804; Dec. 9; Gaz. vol. 197; p. 340.
- Beaujon, Charles A., Canaan, Conn. Penholder or pencil brace. No. 1,073,561; Sept. 16; Gaz. vol. 194; p. 721.
- Beaulieu, George, *et al.* (See Pronovost, Joseph, assignor.)
- Beaumont, Clifford, Canton, Ohio. Cardboard structure. No. 1,064,124; June 10; Gaz. vol. 191; p. 361.
- Beaumont, Ernest C., Revere, assignor to United Shoe Machinery Company, Boston, Mass. Making pull-on devices for boots and shoes. No. 1,081,924; Dec. 16; Gaz. vol. 197; p. 750.
- Beaumont, George H., J. F. Beans, and J. E. Lehman, Canton, Ohio; said Lehman assignor to said Beaumont and Beans. Spring forming and tempering machine. No. 1,061,721; May 13; Gaz. vol. 190; p. 435.
- Beaumont, Nelson, Racine, Wis. Removing casings from drilled wells. No. 1,073,839; Sept. 23; Gaz. vol. 194; p. 839.
- Beauregard, Osias H., Marlboro, N. H. Door knob and shank. No. 1,058,530; Apr. 8; Gaz. vol. 189; p. 434.
- Beauregard, Victor, Boston, Mass. Vegetable-slicer. No. 1,060,809; May 6; Gaz. vol. 190; p. 83.
- Beauregard, Victor, Boston, Mass. Embroidery-hoop. No. 1,072,687; Sept. 9; Gaz. vol. 194; p. 376.
- Beausejour, Philias, *et al.* (See Brousseau, Delphis, assignor.)
- Beausejour, Reme A., assignor to Standard Varnish Works, New York, N. Y. Article-holder for liquid-coating machines. No. 1,072,810; Sept. 9; Gaz. vol. 194; p. 420.
- Beauvais, John B., assignor to The Beauvais Water Heater Company, Holyoke, Mass. Water-heating apparatus. No. 1,083,237; Dec. 30; Gaz. vol. 197; p. 1259.
- Beauvais Water Heater Company, The. (See Beauvais, John B., assignor.)
- Beavan, Walter P., Victoria, British Columbia, Canada. Railway and tramway tie or sleeper and chair. No. 1,067,457; July 15; Gaz. vol. 192; p. 601.
- Beavens, John P., Burlington Junction, Mo. Card game. No. 1,078,330; Nov. 11; Gaz. vol. 196; p. 406.
- Beaver Dam Mfg. Co. (See Broman and Offerman, assignors.)
- Beaver, Isaac K., assignor of one-half to E. E. Straub, Wilburton, Pa. Latch for end-gates of mining-cars and the like. No. 1,064,278; June 10; Gaz. vol. 191; p. 414.
- Beaver, John D., St. John, Kans. Snow-plow. No. 1,067,778; July 15; Gaz. vol. 192; p. 710.
- Beaver, John M., Fort Worth, Tex. Folding umbrella. No. 1,073,562; Sept. 16; Gaz. vol. 194; p. 721.
- Beazley, John, Sr., La Porte, Tex. Levee. No. 1,074,156; Sept. 30; Gaz. vol. 194; p. 975.
- Bechholdt, Claud, Bonanza, Oreg. Gun-sight. No. 1,076,658; Oct. 28; Gaz. vol. 195; p. 823.
- Béché, Jean, Hückeswagen, Germany. File. No. 1,076,262; Oct. 21; Gaz. vol. 195; p. 629.
- Becher, James A., Chicago, Ill. Vehicle. No. 1,074,596; Oct. 7; Gaz. vol. 195; p. 3.
- Bechman, Henry F., assignor to Duplex Printing Press Company, Battle Creek, Mich. Plate-clamping device for rotary cylinder printing-presses. No. 1,052,206; Feb. 4; Gaz. vol. 187; p. 125.
- Bechman, Henry F., assignor to Duplex Printing Press Company, Battle Creek, Mich. Rotary printing-press. No. 1,054,493; Feb. 25; Gaz. vol. 187; p. 1019.
- Bechman, Henry F., assignor to Duplex Printing Press Company, Battle Creek, Mich. Rotary printing-press. (Reissue.) No. 13,641; Nov. 11; Gaz. vol. 196; p. 500.
- Bechtel, Ernst, Hanau, assignor to Hanauer Kunstseide-fabrik Actiengesellschaft, Gross-Auheim, near Hanau, Germany. Manufacture of artificial-silk threads from cellulose. No. 1,066,785; July 8; Gaz. vol. 192; p. 338.
- Bechtel, Milton W., assignor to The Borden Company, Warren, Ohio. Die or chaser for pipe-threading tools. No. 1,062,212; May 20; Gaz. vol. 190; p. 638.
- Beck, Adolf. (See Paul, Anton, assignor.)
- Beck, Charles W., Detroit, Mich. Oil-can holder. No. 1,080,882; Dec. 9; Gaz. vol. 197; p. 367.
- Beck, Charles W., Rockville Center, N. Y., assignor to Michigan Motor Specialties Company, Detroit, Mich. Terminal fastening. No. 1,049,557; Jan. 7; Gaz. vol. 186; p. 83.
- Beck, Charles W., Rockville Center, N. Y., assignor, by mesne assignments, to Michigan Motor Specialties Company, Detroit, Mich. Battery-box. No. 1,052,449; Feb. 11; Gaz. vol. 187; p. 239.

Alphabetical list of patentees—Continued.

- Beck, Charles W., Rockville Center, N. Y., assignor, by mesne assignments, to Michigan Motor Specialties Company, Detroit, Mich. Oil-can holder. No. 1,060,885; May 6; Gaz. vol. 190; p. 112.
- Beck, Charles W., Rockville Center, N. Y., assignor, by mesne assignments, to Michigan Motor Specialties Company, Detroit, Mich. Terminal connector for spark-plugs for explosive-engines for automobiles and other uses. No. 1,062,629; May 27; Gaz. vol. 190; p. 819.
- Beck, Charles W., Rockville Center, N. Y., assignor, by mesne assignments, to Michigan Motor Specialties Company, Detroit, Mich. Two-part fastener for vehicle-tops, gloves, and the like. No. 1,065,498; June 24; Gaz. vol. 191; p. 896.
- Beck, Charles W., Rockville Center, N. Y., assignor, by mesne assignments, to Michigan Motor Specialties Company, Detroit, Mich. Terminal connector for spark-plugs. No. 1,072,561; Sept. 9; Gaz. vol. 194; p. 333.
- Beck, Edward E., assignor to Crown Die & Tool Company, Chicago, Ill. Cut-back-die-thread machine. No. 1,058,711; Apr. 15; Gaz. vol. 189; p. 532.
- Beck, Edward E., assignor to Crown Die & Tool Company, Chicago, Ill. Cutting implement. No. 1,077,951; Nov. 4; Gaz. vol. 196; p. 244.
- Beck, George, Los Angeles, Cal. Bread-making machine. No. 1,055,600; Mar. 11; Gaz. vol. 188; p. 353.
- Beck, George C. (See Batzel, Eugene P., assignor.)
- Beck, George C., Spokane, Wash. Shock-absorber. No. 1,080,745; Dec. 9; Gaz. vol. 197; p. 319.
- Beck, George E., Toledo, Ohio. Guy-anchor. No. 1,081,654; Dec. 16; Gaz. vol. 197; p. 660.
- Beck, Howard G., Yale, Iowa. Bag-fastener. No. 1,070,389; Aug. 19; Gaz. vol. 193; p. 518.
- Beck, Jakob, Munich, Germany. Obtaining synchronism between a cinematographic performance and an acoustic accompaniment thereof. No. 1,069,221; Aug. 5; Gaz. vol. 193; p. 47.
- Beck, John H. (See Delgado, Thomas R., assignor.)
- Beck, John L., assignor to The Sterling Valve Company, Springfield, Mass. Flushing-valve. No. 1,063,639; June 3; Gaz. vol. 191; p. 163.
- Beck, John L., Springfield, assignor to B. F. Perkins and Son, Incorporated, Holyoke, Mass. Pawl-and-ratchet mechanism. No. 1,075,311; Oct. 7; Gaz. vol. 195; p. 252.
- Beck, Oscar. (See Ott and Beck.)
- Beck, Perry, Alexandria, Ind. Magneto. No. 1,073,020; Sept. 9; Gaz. vol. 194; p. 496.
- Beck, Robert L. (See Banwell, James, assignor.)
- Beck, William C. H., H. R. Astridge, and A. C. Whitteker, assignors to Consolidated Optical Company, Limited, Toronto, Ontario, Canada. Oval cutting or marking machine. No. 1,052,880; Feb. 11; Gaz. vol. 187; p. 385.
- Beck, William O., Ridgefield, N. J., assignor to Western Electric Company, New York, N. Y. Substation telephone-set. No. 1,071,601; Aug. 26; Gaz. vol. 193; p. 956.
- Becker, Adolph F. (See Marx and Becker.)
- Becker, Amelia M., *et al.*, executors. (See Hoffmann, Ernst G.)
- Becker, August M., assignor to F. A. Becker, Cliffside, N. J. Picture-exhibitor. No. 1,057,993; Apr. 1; Gaz. vol. 189; p. 203.
- Becker, Bernhard, and H. Barry, Chicago, Ill., assignors, by mesne assignments, to Barry Manufacturing Company. Carpet cleaning and renovating machine. No. 1,077,867; Nov. 4; Gaz. vol. 196; p. 214.
- Becker, Charles A., Newark, N. J. Soldering chain. No. 1,081,088; Dec. 9; Gaz. vol. 197; p. 432.
- Becker, Charles J., New Bedford, Mass. Writing device. No. 1,070,321; Aug. 12; Gaz. vol. 193; p. 454.
- Becker, Charles J., Los Angeles, Cal. Hydrocarbon-burner. No. 1,075,316; Oct. 7; Gaz. vol. 195; p. 254.
- Becker, Christian H., Jr., Green Bay, Wis. Sectional feed-roll for sanders and other machines. No. 1,052,403; Feb. 4; Gaz. vol. 187; p. 190.
- Becker, Edward A., Lamberton, Minn. Wire fence. No. 1,070,390; Aug. 19; Gaz. vol. 193; p. 519.
- Becker, Felix, Arlon, Belgium. Door-latch. No. 1,071,862; Sept. 2; Gaz. vol. 194; p. 67.
- Becker, Frank A. (See Becker, August M., assignor.)
- Becker, Frank J., Hamilton, Ohio. Molder's flask. No. 1,072,811; Sept. 9; Gaz. vol. 194; p. 421.
- Becker, George, New York, N. Y. Shirt. No. 1,069,100; Aug. 5; Gaz. vol. 193; p. 4.
- Becker, Gustav L., New York, N. Y. System of musical notation. No. 1,062,813; May 27; Gaz. vol. 190; p. 878.
- Becker, Herman, Marietta, Ohio. Rule. No. 1,055,855; Mar. 11; Gaz. vol. 188; p. 439.
- Becker, Hermann, St. Saviours, Isle of Jersey. Apparatus for cleaning fruits, vegetables, seeds, and the like. No. 1,055,121; Mar. 4; Gaz. vol. 188; p. 158.
- Becker, John, Hyde Park, Mass. Tool-holding device. No. 1,062,630; May 27; Gaz. vol. 190; p. 819.
- Becker, John, Hyde Park, Mass., assignor to Becker Milling Machine Company, Portland, Me. Transmission mechanism for milling-machines. No. 1,050,792; Jan. 21; Gaz. vol. 186; p. 569.
- Becker, John, Hyde Park, Mass., assignor to Becker Milling Machine Company, Portland, Me. Transmission-gear for milling and other machines. No. 1,082,994; Dec. 30; Gaz. vol. 197; p. 1182.
- Becker, John, Hyde Park, Mass., assignor to Becker Milling Machine Company, Portland, Me. Vertical milling-machine. No. 1,082,995; Dec. 30; Gaz. vol. 197; p. 1183.
- Becker, John G., Campbell, Mo. Automobile light-shifter. No. 1,072,418; Sept. 9; Gaz. vol. 194; p. 282.
- Becker, John G., Campbell, Mo. Pea-drill. No. 1,079,310; Nov. 18; Gaz. vol. 196; p. 775.
- Becker, John G., Milwaukee, Wis., assignor, by mesne assignments, to Dairy Machinery and Construction Company, Incorporated, Derby, Conn. Homogenizer. No. 1,070,226; Aug. 12; Gaz. vol. 193; p. 421.
- Becker, Julius H., San Francisco, Cal. Liquid-hydrocarbon furnace. No. 1,068,037; July 22; Gaz. vol. 192; p. 832.
- Becker, Julius H., San Francisco, Cal. Automatic cut-out mechanism for fluid-actuated devices. No. 1,078,986; Nov. 18; Gaz. vol. 196; p. 664.
- Becker, Lyda, Indianapolis, Ind. Folding skirt-marker. No. 1,063,766; June 3; Gaz. vol. 191; p. 206.
- Becker Milling Machine Company. (See Becker, John, assignor.)
- Becker, Paul, assignor to M. M. Koch, Cleveland, Ohio. Combined coal and gas range. No. 1,078,896; Nov. 18; Gaz. vol. 196; p. 633.
- Becker, Paul E., assignor to The Handy Manufacturing Company, Bridgeport, Conn. Die-stock. No. 1,062,317; May 20; Gaz. vol. 190; p. 674.
- Becker, Philip A., New York, N. Y. Display-lid. No. 1,079,466; Nov. 25; Gaz. vol. 196; p. 859.
- Becker, Philip A., New York, N. Y. Knockdown display-lid. No. 1,080,883; Dec. 9; Gaz. vol. 197; p. 367.
- Becker, Reinhold, Crefeld, Germany. High-speed tool-steel. No. 1,081,263; Dec. 9; Gaz. vol. 197; p. 493.
- Becker, Tracy C., *et al.* (See Binckley, George S., assignor.)
- Becker, Wilhelm, Emery, S. D. Power-transmission device. No. 1,058,531; Apr. 8; Gaz. vol. 189; p. 435.
- Becker, William A. F., Chicago, Ill., assignor to Thomas Cusack Company. Reflector. No. 1,064,428; June 10; Gaz. vol. 191; p. 466.
- Becker, William H. (See Traves, Webster F., assignor.)
- Beckert, Reinhardt W., Alsfeld, Germany. Tie for binding sheaves or the like. No. 1,079,098; Nov. 18; Gaz. vol. 196; p. 704.
- Becket, Frederick M., assignor to Electro Metallurgical Company, Niagara Falls, N. Y. Electric-furnace lining. No. 1,049,801; Jan. 7; Gaz. vol. 186; p. 164.
- Becket, Frederick M., assignor to Electro Metallurgical Company, Niagara Falls, N. Y. Electric-furnace member and making it. No. 1,049,979; Jan. 7; Gaz. vol. 186; p. 223.
- Becket, Frederick M., Niagara Falls, assignor to Electro Metallurgical Company, New York, N. Y. Alloy. No. 1,062,430; May 20; Gaz. vol. 190; p. 711.
- Becket, Frederick M., Niagara Falls, assignor to Electro Metallurgical Company, New York, N. Y. Treating tungsten ores. No. 1,081,566; Dec. 16; Gaz. vol. 197; p. 632.
- Becket, Frederick M., Niagara Falls, assignor to Electro Metallurgical Company, New York, N. Y. Preparing tungsten and alloys thereof. No. 1,081,567; Dec. 16; Gaz. vol. 197; p. 633.
- Becket, Frederick M., Niagara Falls, assignor to Electro Metallurgical Company, New York, N. Y. Preparing tungsten and alloys thereof. No. 1,081,568; Dec. 16; Gaz. vol. 197; p. 633.
- Becket, Frederick M., Niagara Falls, assignor to Electro Metallurgical Company, New York, N. Y. Dephosphorizing ferrotungsten. No. 1,081,569; Dec. 16; Gaz. vol. 197; p. 633.
- Becket, Frederick M., assignor to Electro Metallurgical Company, Niagara Falls, N. Y. Preparing tungsten and alloys thereof. No. 1,081,570; Dec. 16; Gaz. vol. 197; p. 633.
- Becket, Frederick M., assignor to Electro Metallurgical Company, Niagara Falls, N. Y. Treating tungsten ores. No. 1,081,571; Dec. 16; Gaz. vol. 197; p. 633.
- Beckham, James O., assignor of one-half to J. H. Bridgers, Henderson, N. C. Railway-rail fastening. No. 1,059,517; Apr. 22; Gaz. vol. 189; p. 850.
- Beckham, James O., assignor of one-half to J. H. Bridgers, Henderson, N. C. Railway-tie. No. 1,059,518; Apr. 22; Gaz. vol. 189; p. 850.
- Beckham, Walter C., Paxton, Fla. Stump-burner. No. 1,061,350; May 13; Gaz. vol. 190; p. 305.
- Becklin, Oscar, West Duluth, Minn. Pipe-wrench. No. 1,071,687; Sept. 2; Gaz. vol. 194; p. 5.
- Beckman, Albert W. (See Stadler, Andrew, assignor.)
- Beckman, August H., Madison, Wis. Building element. No. 1,052,207; Feb. 4; Gaz. vol. 187; p. 126.
- Beckmann, John, Alameda, Cal. Electric welding system. No. 1,052,030; Feb. 4; Gaz. vol. 187; p. 64.
- Beckmann, John, Oakland, Cal. Solid bullet for shotguns. No. 1,063,905; June 3; Gaz. vol. 191; p. 251.

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- Beckwith Box Toe Company. (See Butterfield, Frank E., assignor.)
- Beckwith, Fred W., Chicago, Ill. Display-sign holder. No. 1,080,317; Dec. 2; Gaz. vol. 197; p. 139.
- Beckwith, George C., Minneapolis, Minn. Soap-holding attachment for brushes. No. 1,072,077; Sept. 2; Gaz. vol. 194; p. 139.
- Beckwith, Henry C., and O. B. Bjorge, assignors to Clyde Iron Works, Duluth, Minn. Ratchet mechanism. No. 1,082,842; Dec. 30; Gaz. vol. 197; p. 1130.
- Beckwith, Joseph H., St. Louis, Mo. Mechanism for aerial navigation. No. 1,072,078; Sept. 2; Gaz. vol. 194; p. 139.
- Beckwith, Louis I., Everett, Mass. Folding frame. No. 1,069,102; Aug. 5; Gaz. vol. 193; p. 5.
- Beckwith, Norman G. (See Goyder and Beckwith.)
- Beckwith, Walter C., Fostoria, Ohio. Railway signal-torpedo. No. 1,051,666; Jan. 28; Gaz. vol. 186; p. 903.
- Beckwith, Walter C., Fostoria, Ohio. Railway-torpedo placer. No. 1,058,532; Apr. 8; Gaz. vol. 189; p. 435.
- Becvar, Joseph A., Tuxedo Park, N. Y. Carnation-holder. No. 1,053,146; Feb. 18; Gaz. vol. 187; p. 522.
- Bedal, William A., Port Huron, Mich. Water-strainer. No. 1,072,299; Sept. 2; Gaz. vol. 194; p. 213.
- Bedard, Lewis A., Boston, Mass. Buffer for doors. No. 1,071,134; Aug. 26; Gaz. vol. 193; p. 302.
- Beddies, George. (See Scott, Alfred, assignor.)
- Bedell, Joseph, and M. M. King, assignors to Burdick & Son, Albany, N. Y. Paper-holder. No. 1,057,614; Apr. 1; Gaz. vol. 189; p. 75.
- Bedell, Richard M., Brooklyn, N. Y., assignor to Mergenthaler Linotype Company. Typographic machine. No. 1,076,184; Oct. 21; Gaz. vol. 195; p. 603.
- Bedford, Frank, Minneapolis, Minn., and A. Durand, Gaslyn, Wis. Chimney-flue cleaner. No. 1,070,662; Aug. 19; Gaz. vol. 193; p. 612.
- Bedford, Harry W. (See Quinlin, William T., assignor.)
- Bedient, Clarence E., Pleasant Ridge, Ohio. Amusement device. No. 1,063,949; June 10; Gaz. vol. 191; p. 300.
- Bednarek, Joseph, Little Falls, Minn. Motor. No. 1,057,520; Apr. 1; Gaz. vol. 189; p. 42.
- Bednarowicz, Theophil, South Bend, Ind. Bottle-filler. No. 1,083,183; Dec. 30; Gaz. vol. 197; p. 1240.
- Beebe, Carl V., Mount Gilead, Ohio. Automobile-top. No. 1,079,205; Nov. 18; Gaz. vol. 196; p. 741.
- Beebe, Dillon, Newark, N. J. Faucet-bung. No. 1,080,805; Dec. 9; Gaz. vol. 197; p. 341.
- Beebe, Edwin J., *et al.* (See Johnston, Charles F., assignor.)
- Beech, Henry, *et al.* (See Jones, Hermon M., assignor.)
- Beech-Nut Packing Company *et al.* (See Merritt, Joseph, assignor.)
- Beecher, Benjamin. (See Kaiser, Charles A., assignor.)
- Beecher, Herbert P., Aurora, Ill. Metallic locker. No. 1,055,697; Mar. 11; Gaz. vol. 188; p. 386.
- Beecher, Herbert P., assignor to Lyon Metallic Manufacturing Company, Aurora, Ill. Shelving. No. 1,062,759; May 27; Gaz. vol. 190; p. 860.
- Beecher, John, Newark, N. J., assignor to The Central Stamping Co., New York, N. Y. Pot. No. 1,054,083; Feb. 25; Gaz. vol. 187; p. 877.
- Beede, Herbert G., Pawtucket, R. I. Thread-guide support. No. 1,064,279; June 10; Gaz. vol. 191; p. 414.
- Beede, Herbert G., Pawtucket, R. I. Twisting-machine. No. 1,064,280; June 10; Gaz. vol. 191; p. 414.
- Beede, Herbert G., Pawtucket, R. I. Spinning-frame. No. 1,064,281; June 10; Gaz. vol. 191; p. 415.
- Beede, Herbert G., Pawtucket, R. I. Ring spinning or twisting apparatus. No. 1,075,004; Oct. 7; Gaz. vol. 195; p. 142.
- Beede, Herbert G., Pawtucket, R. I. Thread-guide for thread-boards of twisting or spinning machines. No. 1,075,184; Oct. 7; Gaz. vol. 195; p. 205.
- Beede, Herbert G., Pawtucket, R. I. Ring spinning or twisting apparatus. No. 1,075,185; Oct. 7; Gaz. vol. 195; p. 206.
- Beede, Herman E. (See Smith, John R., assignor.)
- Beedle, Claude D., Leominster, Mass. Doll. No. 1,050,793; Jan. 21; Gaz. vol. 186; p. 569.
- Beegle, Norman C., Pen Argyle, Pa. Rack. No. 1,075,395; Oct. 14; Gaz. vol. 195; p. 307.
- Beeler, Adam M., Seattle, Wash. Busy-signal attachment for telephones. No. 1,061,589; May 13; Gaz. vol. 190; p. 390.
- Beeman, Edwin R., Minneapolis, and T. Brennan, Jr., St. Louis Park, Minn., assignors to Monitor Drill Company. Grain-drill. No. 1,061,517; May 13; Gaz. vol. 190; p. 364.
- Beeman, Marcus M., assignor to The Spirella Company, Meadville, Pa. Garment-stay. No. 1,053,469; Feb. 18; Gaz. vol. 187; p. 632.
- Beeman, Marcus M., assignor to The Spirella Company, Meadville, Pa. Garment-stay. No. 1,063,408; June 3; Gaz. vol. 191; p. 81.
- Beeman, Marcus M., assignor to The Spirella Company, Meadville, Pa. Garment stay or spring. No. 1,069,222; Aug. 5; Gaz. vol. 193; p. 47.
- Beeman, Marcus M., assignor to The Spirella Company, Meadville, Pa. Corset-display device. No. 1,073,585; Sept. 23; Gaz. vol. 194; p. 751.
- Beeman, Marcus M., and R. C. Bickerstaff, assignors to The Spirella Company, Meadville, Pa. Display testing device. No. 1,050,331; Jan. 14; Gaz. vol. 186; p. 378.
- Beeman, Marcus M., and J. F. Klitchen, assignors to The Spirella Company, Meadville, Pa. Device for straightening metal strips. No. 1,051,063; Jan. 21; Gaz. vol. 186; p. 666.
- Beemer, George S., Meeker, Colo. Rail-joint. No. 1,064,125; June 10; Gaz. vol. 191; p. 361.
- Beene, John L., Centrahoma, Okla. Cultivator attachment. No. 1,058,140; Apr. 8; Gaz. vol. 189; p. 300.
- Beers, Douglass E., Northampton, Pa. Automatic brake-operating means for locomotives. No. 1,080,806; Dec. 9; Gaz. vol. 197; p. 341.
- Beers, Harry F., assignor of one-half to J. E. Nicholson, New York, N. Y. Air-tight door for cabinets. No. 1,075,622; Oct. 14; Gaz. vol. 195; p. 384.
- Beers, Henry H., Middlebury, Ind. Mole-trap. No. 1,079,827; Nov. 25; Gaz. vol. 196; p. 986.
- Beers, Henry W., Guadalajara, Mexico, assignor of one-half to R. Epperson, Denver, Colo. Electric heater. No. 1,065,426; June 24; Gaz. vol. 191; p. 872.
- Beery, Clinton E., assignor of one-third to J. McLee and one-third to J. F. Deuel, Rockford, Ill. Heating and ventilating buildings. No. 1,069,103; Aug. 5; Gaz. vol. 193; p. 5.
- Beery, Jesse, assignor to The Jesse Beery Company, Pleasant Hill, Ohio. Bridle-bit. No. 1,078,987; Nov. 18; Gaz. vol. 196; p. 665.
- Begg, Thomas K., and A. H. Moore, assignors to The Bridgeport Brass Company, Bridgeport, Conn. Tire-pump. No. 1,067,794; July 22; Gaz. vol. 192; p. 749.
- Beggs, Jessie E., *et al.* (See Beggs, Thomas R., assignor.)
- Beggs, Thomas R., assignor to J. E. Beggs, New York, and W. A. Murray, Yonkers, N. Y. Beer-faucet. No. 1,077,387; Nov. 4; Gaz. vol. 196; p. 51.
- Beguhn, Theodore L., Detroit, Mich. Differential driving mechanism. No. 1,071,863; Sept. 2; Gaz. vol. 194; p. 67.
- Behan, Frank, Flint, Mich. Flasher. No. 1,063,640; June 3; Gaz. vol. 191; p. 163.
- Behlen, Charles A., Franklin, Va. Vehicle-gear. No. 1,051,667; Jan. 28; Gaz. vol. 186; p. 903.
- Behm, Otto J. (See Sarter and Behm.)
- Behner, Arthur L., and J. Scott, Cleveland, Ohio. Convertible trolley. No. 1,083,049; Dec. 30; Gaz. vol. 197; p. 1200.
- Behning Piano Company, (See Prisciantelli, Mike, assignor.)
- Behnke, Adolph C. and A. J., Valdres, Wis. Vaporizer and vapor-burner. No. 1,061,518; May 13; Gaz. vol. 190; p. 364.
- Behnke, Albert J. (See Behnke, Adolph C. and A. J.)
- Behr, Bernhard, Dresden, Germany. Adjusting device for paper-carriages of calculating-machines. No. 1,050,093; Jan. 14; Gaz. vol. 186; p. 298.
- Behr, Bernhard, Dresden, Germany. Calculating-machine. No. 1,055,856; Mar. 11; Gaz. vol. 188; p. 440.
- Behr, Hans C., Johannesburg, Transvaal. Operating percussive apparatus. No. 1,055,857; Mar. 11; Gaz. vol. 188; p. 440.
- Behr, Hans C., Johannesburg, Transvaal. Percussive apparatus. No. 1,071,387; Aug. 26; Gaz. vol. 193; p. 887.
- Behr, Rudolf, Kolberg, Germany. Detachable gas-fitting. No. 1,074,100; Sept. 30; Gaz. vol. 194; p. 957.
- Behrend, Bernard A., Norwood, Ohio, assignor to Allis-Chalmers Company and The Bullock Electric Manufacturing Company. Multipolar dynamo-electric machine. No. 1,071,546; Aug. 26; Gaz. vol. 193; p. 938.
- Behrends, Roddie C., Easton, Ill. Spring-wheel. No. 1,074,235; Sept. 30; Gaz. vol. 194; p. 1002.
- Behrendt, Barnim L., Newark, N. J. Telephone-call indicator. No. 1,050,514; Jan. 14; Gaz. vol. 186; p. 443.
- Behrendt, Barnim L., Newark, N. J. Knockdown box. No. 1,076,864; Oct. 28; Gaz. vol. 195; p. 896.
- Behrens, Carl, Jabelitz, near Trent, Germany. Stopping device for ships. No. 1,074,236; Sept. 30; Gaz. vol. 194; p. 1002.
- Behrens, George E., Ivoryton, Conn., and J. Veit, New York, N. Y. Laminated fireproof material. No. 1,063,939; June 3; Gaz. vol. 191; p. 264.
- Behringer, John, Chicago, Ill. Non-refillable bottle. No. 1,080,318; Dec. 2; Gaz. vol. 197; p. 140.
- Beidler, George C., Oklahoma, Okla. Photographing and developing apparatus. No. 1,057,397; Mar. 25; Gaz. vol. 188; p. 1028.
- Beidler, George C., Oklahoma, Okla. Camera. No. 1,082,727; Dec. 30; Gaz. vol. 197; p. 1090.
- Beier, Paul, Rödelsheim-Frankfort, Germany, assignor to United Shoe Machinery Company, Paterson, N. J. Shaping boot-uppers. No. 1,055,122; Mar. 4; Gaz. vol. 188; p. 158.
- Beier, Paul, Rödelsheim-Frankfort, Germany, assignor to United Shoe Machinery Company, Paterson, N. J. Boot-upper-shaping machine. No. 1,055,123; Mar. 4; Gaz. vol. 188; p. 158.

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- Beighler, E. B., *et al.* (See Cunningham, Edward R., assignor.)
- Bell, Arthur H., Jamaica, assignor of one-half to F. D. Creamer, Brooklyn, N. Y. Safety attachment for stamping, punching, or cutting machines. No. 1,082,188; Dec. 23; Gaz. vol. 197; p. 869.
- Beilstein, Wilhelm, assignor of one-half to C. Kranz, Berlin, Ontario, Canada. Convertible sleigh. No. 1,062,760; May 27; Gaz. vol. 190; p. 861.
- Beinkamp, Frank B., assignor, by mesne assignments, to The Vocalstyle Music Company, Cincinnati, Ohio. Leg-operated tempo-lever attachment for player-pianos. No. 1,067,962; July 22; Gaz. vol. 192; p. 805.
- Beinke, William A., Webster, Iowa. Water-jacket. No. 1,050,600; Jan. 14; Gaz. vol. 186; p. 473.
- Beisel, William J., Brooklyn, N. Y. Non-refillable bottle. No. 1,079,387; Nov. 25; Gaz. vol. 196; p. 833.
- Bejar, Tomás L. de, and B. Lanzagorta, Habana, Cuba. Pneumatic spring for vehicles. No. 1,073,840; Sept. 23; Gaz. vol. 194; p. 840.
- Bek, Firm of Ernst G. (See Bischoff, Gotthilf, assignor.)
- Bekkering, Earl H., assignor to The Duluth Show Case Company, Duluth, Minn. Shelf-box. No. 1,074,344; Sept. 30; Gaz. vol. 194; p. 1037.
- Belanger, Simon, Warroad, Minn. Traction-plow. No. 1,080,673; Dec. 9; Gaz. vol. 197; p. 293.
- Belcher & Taylor Agricultural Tool Company. (See Butterfield, Lewis A., assignor.)
- Belden, Charles J. (See Page and Belden.)
- Belden, James A. (See Byers, Joseph V., assignor.)
- Belden Manufacturing Company. (See Beutler, Albert, assignor.)
- Belding, Charles E., Canton, Ohio. Embroidery-hoop. No. 1,056,966; Mar. 25; Gaz. vol. 188; p. 884.
- Beler, Adolf, Pittsburgh, Pa. Burner. No. 1,074,157; Sept. 30; Gaz. vol. 194; p. 975.
- Bélin, Edouard, Paris, France. Automatic resistance-regulator for telegraph-lines and the like. No. 1,058,533; Apr. 8; Gaz. vol. 189; p. 435.
- Belin, Edouard, Paris, France. Perforating apparatus for telegraphic strips. No. 1,063,940; June 3; Gaz. vol. 191; p. 264.
- Beline, Elie, New York, N. Y. Mesh-bag. No. 1,074,237; Sept. 30; Gaz. vol. 194; p. 1002.
- Belknap, Edwin D., New York, N. Y. Duplicating stencil-printing machine. No. 1,060,309; Apr. 29; Gaz. vol. 189; p. 1157.
- Belknap, Gardner A., Conneautville, Pa. Culvert. No. 1,054,895; Mar. 4; Gaz. vol. 188; p. 83.
- Belknap, Gardner A., Conneautville, Pa. Rail-fastener. No. 1,054,896; Mar. 4; Gaz. vol. 188; p. 84.
- Bell, Albert H., *et al.* (See Hannah, Robert L. and H. R., assignors.)
- Bell, Alexander G., Washington, D. C. Flying-machine. No. 1,050,601; Jan. 14; Gaz. vol. 186; p. 473.
- Bell, Andrew W., assignor of one-third to J. D. Bell and one-third to W. A. Bell, Holyoke, Mass. Safety device for lap-machines. No. 1,056,771; Mar. 25; Gaz. vol. 188; p. 817.
- Bell, Charles W., Strong, assignor of one-half to J. S. Harlow, Dixfield, Me. Catheter. No. 1,060,665; May 6; Gaz. vol. 190; p. 34.
- Bell, Charles W., Chicora, and S. P. Hillwig, Kaylor, Pa. Wheel. No. 1,079,828; Nov. 25; Gaz. vol. 196; p. 986.
- Bell, Earl, and W. J. Wilkins, Fulton, Ill. Truck. No. 1,050,602; Jan. 14; Gaz. vol. 186; p. 473.
- Bell, Edwin J. (See Dauber, Charles G., assignor.)
- Bell, Edwin J., and C. G. Dauber, assignors to The Dauber-Bell Machine Company, Oshkosh, Wis. Dowel gluing and driving machine. No. 1,074,158; Sept. 30; Gaz. vol. 194; p. 976.
- Bell, Elmer, assignor to Bryce Brothers Company, Mount Pleasant, Pa. Glass-etching machine. No. 1,073,586; Sept. 23; Gaz. vol. 194; p. 751.
- Bell, Francis W., Nunica, Mich. Burner for stereopticon and motion-picture machines. No. 1,070,002; Aug. 12; Gaz. vol. 193; p. 344.
- Bell, Frank M., El Paso, Tex. Flying-machine. No. 1,056,772; Mar. 25; Gaz. vol. 188; p. 817.
- Bell, Frank M., El Paso, Tex. Flying-machine. No. 1,070,576; Aug. 19; Gaz. vol. 193; p. 584.
- Bell, Frederick J. T. and H. C., Bury, England. Sewing-machine. No. 1,064,595; June 10; Gaz. vol. 191; p. 522.
- Bell, Frederick J. T., Bury, and H. C. Bell, Padham, England. Sewing-machine. No. 1,065,655; June 24; Gaz. vol. 191; p. 949.
- Bell, George F., Crafton, Pa. Drill-jar. No. 1,068,844; July 29; Gaz. vol. 192; p. 1151.
- Bell, George G., Kensington, England, assignor, by mesne assignments, to Electric Heat Storage Company. Apparatus for heating water and other liquids or fluids. No. 1,069,372; Aug. 5; Gaz. vol. 193; p. 100.
- Bell, George G., Kensington, England, assignor to Electric Heat Storage Company. Electric heat-conserving, heating, and cooling apparatus. No. 1,069,373; Aug. 5; Gaz. vol. 193; p. 100.
- Bell, George G., Kensington, London, England, assignor to Electric Heat Storage Company. Heat-storage device for heating water or other liquids. No. 1,069,375; Aug. 5; Gaz. vol. 193; p. 101.
- Bell, George G., Kensington, London, England, assignor to Electric Heat Storage Company. Cooking apparatus. No. 1,069,376; Aug. 5; Gaz. vol. 193; p. 101.
- Bell, George G., Kensington, London, England, assignor to Electric Heat Storage Company. Apparatus for cooking and for carrying out like operations by means of electricity. No. 1,069,377; Aug. 5; Gaz. vol. 193; p. 102.
- Bell, George G., London, and J. S. Pletts, Teddington, England, assignors, by mesne assignments, to Electric Heat Storage Company. Method and apparatus for heating. No. 1,069,371; Aug. 5; Gaz. vol. 193; p. 99.
- Bell, George G., London, and J. S. Pletts, Teddington, England, assignors, by mesne assignments, to Electric Heat Storage Company. Method of producing hot water by means of electricity and apparatus therefor. No. 1,069,374; Aug. 5; Gaz. vol. 193; p. 101.
- Bell, George G., London, and J. S. Pletts, Teddington, England, assignors to Electric Heat Storage Company. Method and apparatus for heating. No. 1,069,378; Aug. 5; Gaz. vol. 193; p. 102.
- Bell, George M. D., Lucerne, Ind. Drift-wheel for piers and bridges. No. 1,077,508; Nov. 4; Gaz. vol. 196; p. 96.
- Bell, George W., Stockport, England. Device for shaping the outer casings of pneumatic tires. No. 1,061,722; May 13; Gaz. vol. 190; p. 436.
- Bell, Hardy C. (See Bell, Frederick J. T. and H. C.)
- Bell, Harmon. (See Loftus, Thomas J., assignor.)
- Bell, Harvey H., Rochester, Minn. Gate. No. 1,063,495; June 3; Gaz. vol. 191; p. 110.
- Bell, Helen M., San Francisco, Cal. Supporting device. No. 1,065,022; June 17; Gaz. vol. 191; p. 698.
- Bell & Howell Company. (See Howell, Albert S., assignor.)
- Bell, I. E. (See Dyer, George P., assignor.)
- Bell, Isaac A., Chicago, Ill. Convertible tripod and walking-stick. No. 1,063,106; May 27; Gaz. vol. 190; p. 975.
- Bell, James E., Chicago, Ill. Alining device for printing-presses. No. 1,070,764; Aug. 19; Gaz. vol. 193; p. 647.
- Bell, Jennie E., Ridgewood, N. J. Culinary vessel. No. 1,050,794; Jan. 21; Gaz. vol. 186; p. 570.
- Bell, John B., Lowry City, Mo. Single-delivery match-box. No. 1,080,248; Dec. 2; Gaz. vol. 197; p. 116.
- Bell, John D., Arcadia, Kans. Torpedo-placing machine. No. 1,057,917; Apr. 1; Gaz. vol. 189; p. 179.
- Bell, John E., assignor to The Babcock & Wilcox Company, New York, N. Y. Superheater-boiler. No. 1,051,829; Jan. 28; Gaz. vol. 186; p. 955.
- Bell, John E., assignor to The Babcock & Wilcox Company, New York, N. Y. Superheater-boiler. No. 1,057,994; Apr. 1; Gaz. vol. 189; p. 204.
- Bell, John E., assignor to The Babcock & Wilcox Company, New York, N. Y. Water-tube boiler. No. 1,070,391; Aug. 19; Gaz. vol. 193; p. 519.
- Bell, John E., assignor to The Babcock & Wilcox Company, New York, N. Y. Gas-burning furnace. No. 1,076,344; Oct. 21; Gaz. vol. 195; p. 659.
- Bell, John E., assignor to The Babcock & Wilcox Company, New York, N. Y. Superheater-boiler. No. 1,077,117; Oct. 28; Gaz. vol. 195; p. 982.
- Bell, John T., San Francisco, Cal. Davit tackle-block. No. 1,072,730; Sept. 23; Gaz. vol. 194; p. 804.
- Bell, Joseph D., *et al.* (See Bell, Andrew W., assignor.)
- Bell, May, Pueblo, Colo. Button. No. 1,066,876; July 8; Gaz. vol. 192; p. 367.
- Bell, Otis D., New York, N. Y. Fastener for buttons and other articles. No. 1,050,716; Jan. 14; Gaz. vol. 186; p. 508.
- Bell, Otis D., New York, N. Y. Needle. No. 1,070,941; Aug. 19; Gaz. vol. 193; p. 702.
- Bell, Thaddeus R., Westfield, N. J. Pattern. No. 1,050,201; Jan. 14; Gaz. vol. 186; p. 332.
- Bell, Thomas A., New York, N. Y. Safety-razor. No. 1,069,668; Aug. 12; Gaz. vol. 193; p. 229.
- Bell, Thomas H., Cleveland, Ohio, and C. H. Dennison, Boise, Idaho, assignors to National Placer Machine Company, Youngstown, Ohio. Placer-machine. No. 1,060,155; Apr. 29; Gaz. vol. 189; p. 1103.
- Bell, William A., *et al.* (See Bell, Andrew W., assignor.)
- Bell, William G., Newton, and W. H. Vinto, Boston, Mass., said Vinto assignor to said Bell. Telephone-call register. No. 1,066,176; July 1; Gaz. vol. 192; p. 96.
- Bell, William H., assignor to O. J. Karsch, New York, N. Y. Shock-absorber. No. 1,051,305; Jan. 21; Gaz. vol. 186; p. 747.
- Bell, William H., Jr., Mount Vernon, N. Y. System of indicating orders and recording deliveries. No. 1,056,488; Mar. 18; Gaz. vol. 188; p. 689.
- Bell, William W., Beaver Creek, Minn. Lifting-jack. No. 1,068,205; July 22; Gaz. vol. 192; p. 888.
- Bell, Zimry T., San Bernardino, Cal. Smudging apparatus for orchards. No. 1,054,897; Mar. 4; Gaz. vol. 188; p. 84.
- Bellamy, James V., Vancouver, British Columbia, Canada. Burglar-alarm. No. 1,054,494; Feb. 25; Gaz. vol. 187; p. 1019.

Alphabetical list of patentees—Continued.

- Bellán, Peter, Chicago, Ill. Folding-machine. No. 1,061,972; May 20; Gaz. vol. 190; p. 556.
- Bellemare, Edmond, Peoria, Ill. Tractor. No. 1,078,820; Nov. 18; Gaz. vol. 196; p. 608.
- Bellemare, George, Winnipeg, Manitoba, Canada. Tire-protector. No. 1,062,631; May 27; Gaz. vol. 190; p. 819.
- Belles, Frank I., Noxen, Pa. Invalid's lift. No. 1,059,815; Apr. 22; Gaz. vol. 189; p. 947.
- Bellhouse, Thomas F., assignor of one-fourth to M. Fassbender and one-fourth to L. S. Pratt, Sacramento, Cal. Flange-lubricator. No. 1,059,021; Apr. 15; Gaz. vol. 189; p. 643.
- Bellinger, David E., Chanute, Kans., assignor to Admiral Hay Press Co., Kansas City, Mo. Packer for baling-presses. (Reissue.) No. 13,571; June 10; Gaz. vol. 191; p. 557.
- Bellis, Joseph, St. Paul, Minn. Hose-supporter. No. 1,082,005; Dec. 23; Gaz. vol. 197; p. 808.
- Bellman, Belle, Hays, Kans. Churn-dasher. No. 1,061,723; May 13; Gaz. vol. 190; p. 436.
- Bellows, Albert P. (See Keen and Bellows.)
- Bellows, Benjamin F., Cleveland, Ohio, assignor to Electric Compositor Company, New York, N. Y. Spacer selecting and releasing mechanism. No. 1,060,580; May 6; Gaz. vol. 190; p. 6.
- Bellows, Benjamin F., Cleveland, Ohio, assignor to Electric Compositor Company, New York, N. Y. Justifying mechanism. No. 1,082,006; Dec. 23; Gaz. vol. 197; p. 808.
- Bellows, Warren S., assignor to Walden Manufacturing Company, Worcester, Mass. Brace-socket wrench. No. 1,072,079; Sept. 2; Gaz. vol. 194; p. 140.
- Belt, Joseph W. (See Belt, Samuel P. and J. W.)
- Belt, Marcus L., Jr. (See Hoefer and Belt.)
- Belt, Samuel P., Cherrydale, Va., and J. W. Belt, Oklahoma, Okla. Liquid-operated damper-regulator. No. 1,071,864; Sept. 2; Gaz. vol. 194; p. 68.
- Belt, William R. (See Hoefer and Belt.)
- Belz, Albert, Unter-Goldach, assignor to Firm of H. Levy, Rorschach, Switzerland. Threading device for shuttles. No. 1,052,208; Feb. 4; Gaz. vol. 187; p. 126.
- Belz, August. (See Wolter and Belz.)
- Belz, August, Goldach, assignor to Firm of H. Levy, Rorschach, Switzerland. Bobbin-winder. No. 1,073,388; Sept. 16; Gaz. vol. 194; p. 663.
- Bem, Joseph P. (See Fox, Bem, and Sponogle.)
- Bemer, John J. (See Hirsch and Bemer.)
- Bemis, Ella M., executrix. (See Bemis, Sumner A.)
- Bemis, Gilbert C., assignor to E. F. Fletcher, Worcester, Mass. Brush. No. 1,082,922; Dec. 30; Gaz. vol. 197; p. 1159.
- Bemis, Herbert G., Riceville, Iowa. Washing-machine for milk-separator disks. No. 1,061,157; May 6; Gaz. vol. 190; p. 204.
- Bemis, Herbert G., Riceville, Iowa. Fence-gate. No. 1,073,563; Sept. 16; Gaz. vol. 194; p. 722.
- Bemis, Richard A., San Bernardino, Cal. Wave-motor. No. 1,077,509; Nov. 4; Gaz. vol. 196; p. 96.
- Bemis, Sumner A., deceased; E. M. Bemis, executrix, Springfield, Mass. Trolley. No. 1,069,519; Aug. 5; Gaz. vol. 193; p. 149.
- Bemis, Thomas. (See Hodges, Edward R., assignor.)
- Bemis, Thomas, Indianapolis, Ind., assignor, by mesne assignments, to American Pneumatic Service Company, Boston, Mass. Pneumatic-despatch apparatus. No. 1,079,311; Nov. 18; Gaz. vol. 196; p. 775.
- Ben. Day, Inc. (See Day, Benjamin, assignor.)
- Benage, George W., Juda, Wis. Nose-guard for cattle. No. 1,051,064; Jan. 21; Gaz. vol. 186; p. 666.
- Benage, George W., Juda, Wis. Nose-guard for cattle. No. 1,077,585; Nov. 4; Gaz. vol. 196; p. 119.
- Benbrook, Monroe. (See Campbell and Benbrook.)
- Benda, Harry R. (See Megirian, Joseph J., assignor.)
- Benda, Ludwig, Frankfort-on-the-Main, assignor to Farbwerke vorm. Meister Lucius & Brüning, Höchst-on-the-Main, Germany. Nitroaminophenylarsinic acid. No. 1,075,537; Oct. 14; Gaz. vol. 195; p. 355.
- Benda, Ludwig, Frankfort-on-the-Main, assignor to Farbwerke vorm. Meister Lucius & Brüning, Höchst-on-the-Main, Germany. Dinitrophenylarsinic acid. No. 1,075,538; Oct. 14; Gaz. vol. 195; p. 355.
- Bender, George L., San Francisco, Cal. Bottle-labeling machine. No. 1,072,403; Sept. 2; Gaz. vol. 194; p. 249.
- Bender, George L., and J. G. Rapp, San Francisco, Cal. Label-applying apparatus. No. 1,071,135; Aug. 26; Gaz. vol. 193; p. 802.
- Bender, Henry W., Eagle Grove, Iowa. Mail-bag deliverer. No. 1,067,395; July 15; Gaz. vol. 192; p. 580.
- Bendix, Herman G., New York, N. Y. Heel-breast buffer. No. 1,073,949; Sept. 23; Gaz. vol. 194; p. 878.
- Bendixson, Jacob C., Stady, N. D. Compound rotary engine. No. 1,054,898; Mar. 4; Gaz. vol. 188; p. 84.
- Bendtz, Wilhelm, Malmö, Sweden. Key-ring. No. 1,070,101; Aug. 12; Gaz. vol. 193; p. 378.
- Benecke, Adelbert O., Foxboro, Mass. Pressure-gage. No. 1,070,392; Aug. 19; Gaz. vol. 193; p. 519.
- Benecke, Adelbert O., Foxboro, Mass. Electromagnetic drive for secondary clocks or the like. No. 1,070,577; Aug. 19; Gaz. vol. 193; p. 584.
- Benedict, Charles W. (See Clark and Larkin, assignors.)
- Benedict, Franz C., assignor of one-half to A. Löwy, Vienna, Austria-Hungary. Blotting-cradle. No. 1,079,206; Nov. 18; Gaz. vol. 196; p. 741.
- Benedict, George H., Chicago, Ill. Electrotrope plate or cast cleaner or the like. No. 1,072,902; Sept. 9; Gaz. vol. 194; p. 455.
- Benedict, Laurance D., assignor to Benedict Wrench Company, Chicago, Ill. Pipe-wrench. No. 1,063,153; May 27; Gaz. vol. 190; p. 990.
- Benedict Wrench Company. (See Benedict, Laurance D., assignor.)
- Benedix, Bernhard. (See Golodetz, Abram, assignor.)
- Benefield, Chauncey R., Memphis, Tenn. Cultivator. No. 1,076,476; Oct. 21; Gaz. vol. 195; p. 706.
- Benefield, Needham H., Danville, Va. Cotton-drying machine. No. 1,068,845; July 29; Gaz. vol. 192; p. 1151.
- Beneke, A. J., et al. (See Ray, Albert J., assignor.)
- Benge, Ralph L., Lexington, Ore. Weeder. No. 1,082,222; Dec. 23; Gaz. vol. 197; p. 881.
- Bengston, Martin L., Williams, Ariz. Cutter for paper-holders. No. 1,064,596; June 10; Gaz. vol. 191; p. 522.
- Benham, Edgar M., Norwood, assignor to The Bankers Dust Proof Time Lock Company, Cincinnati, Ohio. Lock for safety-deposit boxes. No. 1,049,648; Jan. 7; Gaz. vol. 186; p. 114.
- Benham, Oliver A., Dayton, Ohio. Lever-lock. No. 1,074,038; Sept. 23; Gaz. vol. 194; p. 907.
- Benham, William B., Washington, D. C. Letter-box. No. 1,079,999; Dec. 2; Gaz. vol. 197; p. 28.
- Benj. Wertheimer & Co. (See Hutter, Jacob, assignor.)
- Benjamin, Charles L., and H. J. Wiegand, Milwaukee, Wis. Loose-leaf binder. No. 1,075,623; Oct. 14; Gaz. vol. 195; p. 384.
- Benjamin, Dana H., Cleveland, Ohio. Garment. No. 1,057,798; Apr. 1; Gaz. vol. 189; p. 138.
- Benjamin Eastwood Company. (See Adsit, George, assignor.)
- Benjamin Electric Manufacturing Company. (See Anderson, Ernst G. K., assignor.)
- Benjamin Electric Manufacturing Company. (See Benjamin, Reuben B., assignor.)
- Benjamin, George H., New York, N. Y. Electric smelting. No. 1,051,065; Jan. 21; Gaz. vol. 186; p. 666.
- Benjamin, George H., New York, N. Y. Manufacturing cement-steel. No. 1,054,817; Mar. 4; Gaz. vol. 188; p. 58.
- Benjamin, George H., New York, N. Y. Electric furnace and operating same. No. 1,057,213; Mar. 25; Gaz. vol. 188; p. 969.
- Benjamin, George H., New York, N. Y. Bobbin. No. 1,063,174; May 27; Gaz. vol. 190; p. 998.
- Benjamin, George H., New York, N. Y. Manufacturing steel. No. 1,080,807; Dec. 9; Gaz. vol. 197; p. 342.
- Benjamin, George W. (See Zimmer and Benjamin.)
- Benjamins, Israel, New York, N. Y. Fan or fan-blower. No. 1,055,308; Mar. 11; Gaz. vol. 188; p. 256.
- Benjamins, Israel, Brooklyn, N. Y. Adjustable stand. No. 1,075,323; Oct. 14; Gaz. vol. 195; p. 280.
- Benjamin, Newton, Elmira, N. Y. Ash-sifter. No. 1,079,207; Nov. 18; Gaz. vol. 196; p. 742.
- Benjamin, Reuben B., assignor to Benjamin-Sellar Mfg. Co., Chicago, Ill. Screw-driver. No. 1,049,649; Jan. 7; Gaz. vol. 186; p. 114.
- Benjamin, Reuben B., assignor to Benjamin-Sellar Mfg. Co., Chicago, Ill. Screw-driver. No. 1,049,650; Jan. 7; Gaz. vol. 186; p. 114.
- Benjamin, Reuben B., assignor to Benjamin Electric Manufacturing Company, Chicago, Ill. Electric-lamp socket. No. 1,062,139; May 20; Gaz. vol. 190; p. 613.
- Benjamin, Reuben B., assignor to Benjamin Electric Mfg. Company, Chicago, Ill. Explosive-engine governor. No. 1,068,097; July 22; Gaz. vol. 192; p. 851.
- Benjamin, Robert, McKittrick, Cal. Mixing device. No. 1,060,419; Apr. 29; Gaz. vol. 189; p. 1198.
- Benjamin-Sellar Mfg. Co. (See Benjamin, Reuben B., assignor.)
- Benjamin, William S. (See Pharo and Benjamin.)
- Bennet, Isaac L., Jacksonville, N. Y. Whiffletree. No. 1,053,773; Feb. 13; Gaz. vol. 187; p. 736.
- Bennet, Philip G. H. (See Bostwick, Seymour A., assignor.)
- Bennett, Robert H., New York, N. Y. Spool and needle holder. No. 1,061,590; May 13; Gaz. vol. 190; p. 390.
- Bennett, Albert A., Los Angeles, Cal. Lock for automobiles. No. 1,074,238; Sept. 30; Gaz. vol. 194; p. 1003.
- Bennett, Algernon E. (See Fravel, Charles G., assignor.)
- Bennett, Ashley C., assignor of one-half to R. D. Wilcox, Minneapolis, Minn. Aeroplane. No. 1,058,712; Apr. 15; Gaz. vol. 189; p. 533.
- Bennett, Augustus P., New York, N. Y. Ornament-holder for hats. No. 1,077,787; Nov. 4; Gaz. vol. 196; p. 187.
- Bennett, Bert, Kokomo, Ind. Wagon-bed hoist. No. 1,063,906; June 3; Gaz. vol. 191; p. 252.
- Bennett, Burton B., Plymouth, Mich. Air-gun. No. 1,052,123; Feb. 4; Gaz. vol. 187; p. 97.

Alphabetical list of patentees—Continued.

- Bennett, Charles D., assignor of one-fourth to E. D. Wright and one-fourth to J. H. Manliet, Scipio, Ind. Portable and stationary wire-fence construction. No. 1,068,206; July 22; Gaz. vol. 192; p. 889.
- Bennett, Clifford W., Colorado Springs, Colo. Pawl and ratchet. No. 1,064,597; June 10; Gaz. vol. 191; p. 523.
- Bennett, Edwin S., Wollaston, Mass. Bread-board. No. 1,053,147; Feb. 18; Gaz. vol. 187; p. 522.
- Bennett, Erastus S., New York, N. Y. Screw-pump. No. 1,049,651; Jan. 7; Gaz. vol. 186; p. 115.
- Bennett, Ernest C., New York, N. Y. Artificial denture. No. 1,074,345; Sept. 30; Gaz. vol. 194; p. 1038.
- Bennett, Eugene G., Carthage, Mo. Display-rack. No. 1,077,788; Nov. 4; Gaz. vol. 196; p. 188.
- Bennett, Frederick, Ravenswood, assignor, by mesne assignments, to United States Metal Products Company, New York, N. Y. Sofa-bed. No. 1,053,774; Feb. 18; Gaz. vol. 187; p. 737.
- Bennett, Frederick, Ravenswood, assignor, by mesne assignments, to United States Metal Products Company, New York, N. Y. Sofa-bed. No. 1,056,773; Mar. 25; Gaz. vol. 188; p. 817.
- Bennett, Frederick, Ravenswood, assignor to United States Metal Products Company, New York, N. Y. Sofa-bed. No. 1,057,702; Apr. 1; Gaz. vol. 189; p. 104.
- Bennett, Frederick, Ravenswood, assignor to United States Metal Products Company, New York, N. Y. Sofa-bed. No. 1,067,236; July 15; Gaz. vol. 192; p. 526.
- Bennett, Frederick, Ravenswood, assignor to Walker and Bennett Manufacturing Company, New York, N. Y. Cushion. No. 1,059,704; Apr. 22; Gaz. vol. 189; p. 910.
- Bennett, Frederick, Ravenswood, assignor to Walker & Bennett Manufacturing Company, New York, N. Y. Car-seat. No. 1,078,767; Nov. 18; Gaz. vol. 196; p. 590.
- Bennett, Frederick, Ravenswood, assignor to Walker & Bennett Manufacturing Company, New York, N. Y. Car-seat. No. 1,078,897; Nov. 18; Gaz. vol. 196; p. 634.
- Bennett, Frederick G., *et al.* (See Attridge, Oliver H., assignor.)
- Bennett, Freeman E., *et al.* (See Downie, Manzer W., assignor.)
- Bennett, George R., Whistler, Ala. Attachment for turning-lathes. No. 1,054,387; Feb. 25; Gaz. vol. 187; p. 982.
- Bennett, George R., Denver, Colo. Impact-engine. No. 1,063,240; June 3; Gaz. vol. 191; p. 25.
- Bennett, Howard D., Baltimore, Md. Pressure-counteracting mechanism. No. 1,059,022; Apr. 15; Gaz. vol. 189; p. 644.
- Bennett, Joseph W., Portland, Oreg. Windmill. No. 1,055,858; Mar. 11; Gaz. vol. 188; p. 440.
- Bennett, Lawrence, assignor of one-half to D. A. Thomas, Hughston, W. Va. Rail-joint. No. 1,059,263; Apr. 15; Gaz. vol. 189; p. 725.
- Bennett-O'Connell Co. (See Schulte, Louis, assignor.)
- Bennett, Omer, Hornell, N. Y. Making a fertilizer composition. No. 1,067,712; July 15; Gaz. vol. 192; p. 689.
- Bennett, Russell B., Westerville, Ohio. Composition fence-post. No. 1,079,829; Nov. 25; Gaz. vol. 196; p. 987.
- Bennett, Silas W., Somerville, Mass. Ball-caster. No. 1,075,685; Oct. 14; Gaz. vol. 195; p. 405.
- Bennett, Thomas A., Akron, Ohio, assignor, by mesne assignments, to The B. F. Goodrich Company. Conveyor-belt. No. 1,050,603; Jan. 14; Gaz. vol. 186; p. 474.
- Bennett, Thomas J. (See Veaco and Bennett.)
- Bennett, William A., Kensington, London, England. Kinetograph-target. No. 1,081,943; Dec. 23; Gaz. vol. 197; p. 785.
- Bennett, William T. (See Dean, Ernest W., assignor.)
- Bennett, Winchester, assignor to Winchester Repeating Arms Co., New Haven, Conn. Firearm. No. 1,068,098; July 22; Gaz. vol. 192; p. 851.
- Benni, Paul, Lublin, Russia. Automatic means for steering and balancing aerial machines. No. 1,065,656; June 24; Gaz. vol. 191; p. 950.
- Benninghoff, William G., Pittsburgh, assignor to Taylor-Wilson Manufacturing Company, McKees Rocks, Pa. Reaming and recessing machine. No. 1,080,319; Dec. 2; Gaz. vol. 197; p. 140.
- Benninghoff, William H. (See Gorin, Fred P., assignor.)
- Bennington, William, and J. Gunzenhauser, Chicago, Ill. Portable milling-tool. No. 1,055,013; Mar. 4; Gaz. vol. 188; p. 122.
- Bennion, Charles, A. Bates, and J. Gouldbourn, Leicester, England, assignors to United Shoe Machinery Company, Paterson, N. J. Starting and stopping mechanism. No. 1,071,865; Sept. 2; Gaz. vol. 194; p. 68.
- Bennis, Karl V., Los Alamitos, Cal. Shock-absorber. No. 1,063,641; June 3; Gaz. vol. 191; p. 163.
- Bennison, Meta, executrix. (See Bennison, Samuel.)
- Bennison, Samuel, deceased, Galveston, Tex.; M. Bennison, executrix. Rotary engine. No. 1,068,963; July 29; Gaz. vol. 192; p. 1192.
- Benoist, Thomas W. (See Jannus and Benoist.)
- Benoist, Thomas W., St. Louis, Mo. Aeroplane. No. 1,066,981; July 8; Gaz. vol. 192; p. 403.
- Benoit, George A., Chicopee Falls, Mass. Curtain-holder. No. 1,056,621; Mar. 18; Gaz. vol. 188; p. 734.
- Benovsky, Michael, Chicago, Ill. Calipers. No. 1,075,083; Oct. 7; Gaz. vol. 195; p. 171.
- Bens, Samuel J., Berkeley, and A. B. Hubbard, Fruitvale, Cal. Toilet-paper holder. No. 1,065,205; June 17; Gaz. vol. 191; p. 757.
- Bens, Samuel J., Berkeley, and A. B. Hubbard, Oakland, Cal. Toilet-paper holder. No. 1,069,757; Aug. 12; Gaz. vol. 193; p. 260.
- Bensinger, Oliver, Lodi, Ohio. Railway-rail. No. 1,069,520; Aug. 5; Gaz. vol. 193; p. 150.
- Benson, Anthony F., Virginia, Minn. Recording instrument. No. 1,054,495; Feb. 25; Gaz. vol. 187; p. 1020.
- Benson, Arthur B., Woodhaven, N. Y. Drying-machine. No. 1,075,809; Oct. 14; Gaz. vol. 195; p. 447.
- Benson, Carl E., San Francisco, Cal. Wave-motor. No. 1,068,846; July 29; Gaz. vol. 192; p. 1152.
- Benson, Charles T., assignor to The Nye Tool and Machine Works, Chicago, Ill. Die-stock. No. 1,081,293; Dec. 16; Gaz. vol. 197; p. 541.
- Benson, Edward. (See Owens and Benson.)
- Benson, Elmer A., Peru, Ill. Nut-lock. No. 1,066,982; July 8; Gaz. vol. 192; p. 403.
- Benson, Harry S. (See Rorke, Thomas J. and E., assignors.)
- Benson, Morris, *et al.* (See Nell, Horatio N., assignor.)
- Benson, Nels. (See Anderson, Henry A., assignor.)
- Benson, Robert S., Middleton, St. George, England. Machine for washing or separating coal, ore, and other granular or like materials. No. 1,069,223; Aug. 5; Gaz. vol. 193; p. 47.
- Benson, William C., and F. T. Scott, Owensville; said Scott assignor to G. E. Daugherty, Princeton, Ind. Expanding-metal batten-strip. No. 1,053,267; Feb. 18; Gaz. vol. 187; p. 563.
- Bent, Quincy, E. Barnhart, Sparrows Point, Md., and J. B. Ladd, Ardmore, Pa. Treating materials for sintering. No. 1,078,988; Nov. 18; Gaz. vol. 196; p. 665.
- Bente, Henry K., assignor of one-third to H. L. Williams, Sedalia, Mo. Valve-gear for steam-engines. No. 1,069,224; Aug. 5; Gaz. vol. 193; p. 48.
- Benthall, John L., Chesterfield, assignor to Vickers, Limited, Westminster, England. Manufacture of armor-plates. No. 1,051,380; Jan. 28; Gaz. vol. 186; p. 805.
- Benthall, John L., Chesterfield, assignor to Vickers Limited, Sheffield, England. Manufacture of armor-plates. No. 1,051,799; Jan. 28; Gaz. vol. 186; p. 944.
- Benthall, John L., Chesterfield, assignor to Vickers Limited, Westminster, England. Manufacture of armor-plates and other steel articles. No. 1,079,323; Nov. 25; Gaz. vol. 196; p. 811.
- Bentinck, Grover C. and H. W., Galveston, Tex. Non-refillable bottle. No. 1,059,816; Apr. 22; Gaz. vol. 189; p. 947.
- Bentinck, Henry W. (See Bentinck, Grover C. and H. W.)
- Bentley, Anson J., Niles, and F. Bentley, Warren, Ohio. Brick-pallet. No. 1,064,811; June 17; Gaz. vol. 191; p. 630.
- Bentley, Frank. (See Bentley, Anson J. and F.)
- Bentley, Fred W., Schenectady, N. Y., assignor to General Electric Company. Emergency-governor. No. 1,049,802; Jan. 7; Gaz. vol. 186; p. 164.
- Bentley, G. D., *et al.* (See Brown, Haughton, assignor.)
- Bentley, John R., Nashua, Iowa. Culinary article. No. 1,065,997; July 1; Gaz. vol. 192; p. 33.
- Bentley, Leon W., Brooklyn, N. Y. Burial-casket. No. 1,065,579; June 24; Gaz. vol. 191; p. 924.
- Benton, Curtis, San Francisco, Cal. Cleaning-brush. No. 1,063,847; June 3; Gaz. vol. 191; p. 233.
- Benton, Linn B., Plainfield, assignor to American Type Founders Company, Jersey City, N. J. Parallel liner. No. 1,066,576; July 8; Gaz. vol. 192; p. 264.
- Benton, Linn B., Plainfield, assignor to American Type Founders Company, Jersey City, N. J. Apparatus for cutting matrices. No. 1,068,478; July 29; Gaz. vol. 192; p. 1022.
- Benton, Orrin. (See Latham and Benton.)
- Bentzon, Malcolm, London, England. Apparatus for the manufacture of lenses. No. 1,072,419; Sept. 9; Gaz. vol. 194; p. 283.
- Benz, Frederick, Jr., Haledon, N. J., assignor to J. Frank, New York, N. Y. Batten structure for narrow-ware looms. No. 1,050,202; Jan. 14; Gaz. vol. 186; p. 333.
- Benz, Frederick, Jr., Haledon, N. J., assignor to J. Frank, New York, N. Y. Batten structure for narrow-ware looms. No. 1,059,972; Apr. 29; Gaz. vol. 189; p. 1041.
- Benz, Frederick, Jr., Haledon, N. J., assignor to J. Frank, New York, N. Y. Batten structure for narrow-ware looms. No. 1,063,178; June 3; Gaz. vol. 191; p. 3.
- Benz, Gustaff A., Big Island township, Marion county, Ohio. Latch. No. 1,070,393; Aug. 19; Gaz. vol. 193; p. 520.
- Benz, Julius, Bethlehem, Pa. Attachment for looms. No. 1,063,409; June 3; Gaz. vol. 191; p. 81.
- Benzel, Gustav, Lorain, Ohio. Rail-joint. No. 1,055,253; Mar. 4; Gaz. vol. 188; p. 199.
- Beranek, James, Tarrs, Pa. Lock splice-bar for rail-joints. No. 1,051,189; Jan. 21; Gaz. vol. 186; p. 708.
- Berardi, Fortunato, Naples, Italy. Device for modifying the physical state of air. No. 1,081,523; Dec. 16; Gaz. vol. 197; p. 619.

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- Berberich, Frank J., Brooklyn, N. Y. Hydrometer. No. 1,074,039; Sept. 23; Gaz. vol. 194; p. 907.
- Bércz, Josef. (See Bárcz, Josef.)
- Berdon, Albert E., La Fayette, Ind. Electric controller. No. 1,067,580; July 15; Gaz. vol. 192; p. 643.
- Berdon, Albert E., La Fayette, Ind. Electric-current brush structure. No. 1,070,102; Aug. 12; Gaz. vol. 193; p. 378.
- Berdon, Albert E., assignor to Esterline Company, La Fayette, Ind. Electric-current-controlling device. No. 1,063,950; June 10; Gaz. vol. 191; p. 301.
- Berdon, Albert E., assignor to Esterline Company, La Fayette, Ind. Electric controller. No. 1,065,657; June 24; Gaz. vol. 191; p. 950.
- Berg, Carl O., Chelsea, Mass. Machine for manufacturing flexible electric conduits. No. 1,067,161; July 8; Gaz. vol. 192; p. 464.
- Berg, Charles A., Maple Shade, N. J. Shoe-protector. No. 1,053,555; Feb. 18; Gaz. vol. 187; p. 663.
- Berg, George L., Seattle, Wash. Guiding apparatus for automobile-lamps. No. 1,053,938; Feb. 18; Gaz. vol. 187; p. 791.
- Berg, John, Toronto, Ontario, Canada. Combined saddle and journal-box. No. 1,057,402; Apr. 1; Gaz. vol. 189; p. 4.
- Berg, John, assignor to Metal Specialties Manufacturing Company, Chicago, Ill. Lighting and ignition device. No. 1,076,943; Oct. 28; Gaz. vol. 195; p. 925.
- Berg, Louis D., Watertown, N. Y. Hydropneumatic valve. No. 1,072,562; Sept. 9; Gaz. vol. 194; p. 334.
- Berg, Marinus J., Portland, Oreg. Woodworking-tool. No. 1,051,190; Jan. 21; Gaz. vol. 186; p. 708.
- Berg, Oscar A. (See Olson and Berg.)
- Berg, Peter, Enderlin, N. D. Threadless hose-coupling. No. 1,080,674; Dec. 9; Gaz. vol. 197; p. 293.
- Berg, Peter, Enderlin, N. D. Threadless hose-coupling. No. 1,080,675; Dec. 9; Gaz. vol. 197; p. 294.
- Berg, William H., Round Mountain, Nev. Self-adjusting hammock. No. 1,051,066; Jan. 21; Gaz. vol. 186; p. 667.
- Bergan, Ole F., Tönsberg, Norway. Supporting equipment for knapsacks, valises, or the like. No. 1,054,818; Mar. 4; Gaz. vol. 188; p. 58.
- Bergdoll, Louis J., Philadelphia, Pa. Aeroplane. No. 1,080,531; Dec. 9; Gaz. vol. 197; p. 246.
- Bergdolt, Wilhelm. (See Blank and Bergdolt.)
- Bergdolt, Wilhelm, Leverkusen, near Cologne, assignor to Farbenfabriken vorm. Friedr. Bayer & Co., Elberfeld, Germany. Diazotizable coloring-matter. No. 1,052,647; Feb. 11; Gaz. vol. 187; p. 307.
- Bergen, Frank, assignor to J. Nester, East St. Louis, Ill. Packaging bottles. No. 1,063,154; May 27; Gaz. vol. 190; p. 991.
- Bergen, Isaac C., Waldheim, Saskatchewan, Canada. Lamp-extinguisher. No. 1,080,946; Dec. 9; Gaz. vol. 197; p. 389.
- Bergener, Charles, assignor to C. T. Ham Manufacturing Company, Rochester, N. Y. Lantern. No. 1,067,963; July 22; Gaz. vol. 192; p. 805.
- Bergener, Charles, assignor of one-half to C. T. Ham Manufacturing Company, Rochester, and one-half to R. E. Dietz Company, New York, N. Y. Tubular lantern. No. 1,072,688; Sept. 9; Gaz. vol. 194; p. 376.
- Bergener, Charles W., assignor to C. T. Ham Manufacturing Company, Rochester, N. Y. Tubular lantern. No. 1,067,964; July 22; Gaz. vol. 192; p. 806.
- Bergener, Charles W., assignor to C. T. Ham Manufacturing Company, Rochester, N. Y. Vehicle-lamp. No. 1,067,965; July 22; Gaz. vol. 192; p. 806.
- Bergener, Charles W., assignor to C. T. Ham Manufacturing Company, Rochester, N. Y. Tubular lantern. No. 1,069,370; Aug. 5; Gaz. vol. 193; p. 99.
- Bergens, William J., assignor of one-fourth to C. L. Terry and one-fourth to J. A. Bommhardt, Cleveland, Ohio. Compound valve. No. 1,051,539; Jan. 28; Gaz. vol. 186; p. 860.
- Bergens, William J., assignor of one-fourth to C. L. Terry, one-fourth to J. A. Bommhardt, Cleveland, Ohio, and one-half to The Single Faucet Company, Chicago, Ill. Mixing-valve. No. 1,061,724; May 13; Gaz. vol. 190; p. 436.
- Berger, Arthur. (See Remy and Berger.)
- Berger, Charles E. (See Scheiding, Henry, assignor.)
- Berger, Christian, Budapest, Austria-Hungary, assignor to Submarine Wireless Company. Controlling from a distant point the operation of a mechanism or instrument. No. 1,055,985; Mar. 11; Gaz. vol. 188; p. 483.
- Berger, Dellno, Madison township, Franklin county, Ohio. Rotary engine. No. 1,052,124; Feb. 4; Gaz. vol. 187; p. 97.
- Berger, Joseph, Bayonne, N. J., assignor to The Singer Manufacturing Company. Sewing-machine. No. 1,060,526; Apr. 29; Gaz. vol. 189; p. 1233.
- Berger Machine Company. (See Kempf, Henry J., assignor.)
- Berger Manufacturing Company, The. (See Caldwell, William L., assignor.)
- Berger Manufacturing Company, The. (See Jamison, Charles R., assignor.)
- Berger, Matthew R. (See Stebbins and Berger.)
- Berger, Victor B., Highland, Cal. Corset-fastener. No. 1,075,895; Oct. 14; Gaz. vol. 195; p. 476.
- Berger, Waldemar, assignor to Farbwerke vorm. Meister Lucius & Brüning, Höchst-on-the-Main, Germany. Apparatus for dyeing loose textile goods. No. 1,071,022; Aug. 26; Gaz. vol. 193; p. 763.
- Berger, William A., Boston, Mass. Mining-transit. No. 1,055,309; Mar. 11; Gaz. vol. 188; p. 256.
- Berger, William A., assignor to W. H. Miner, Chicago, Ill. Friction draft-rigging. No. 1,057,521; Apr. 1; Gaz. vol. 189; p. 43.
- Bergeron, Jay P., Michigan City, Ind. Advertising device for vehicle-wheels. No. 1,054,270; Feb. 25; Gaz. vol. 187; p. 941.
- Bergeron, Jay P., Washington, Ill. Advertising device. No. 1,057,403; Apr. 1; Gaz. vol. 189; p. 4.
- Berggren, Peter N., San Jose, Cal. Roof-square. No. 1,059,264; Apr. 15; Gaz. vol. 189; p. 725.
- Bergbahn, August F., Belleville, Ill. Air and oil separator for air-compressors. No. 1,064,429; June 10; Gaz. vol. 191; p. 467.
- Berghmark, Carl S., assignor of one-half to C. S. Bodin, Stockholm, Sweden. Churn. No. 1,055,601; Mar. 11; Gaz. vol. 188; p. 353.
- Berghoefer, Charles, Milwaukee, Wis. Clam-shell bucket. No. 1,058,028; Apr. 8; Gaz. vol. 189; p. 259.
- Berghorn, Olga, Jersey City, N. J. Cigarette-box. No. 1,068,099; July 22; Gaz. vol. 192; p. 851.
- Bergisch Märkische Steinindustrie, Aktiengesellschaft. (See Dehl, Heinrich, assignor.)
- Bergius, Friedrich. (See Meyer and Bergius.)
- Bergius, Friedrich, Hanover, Germany. Apparatus for the manufacture of hydrogen. No. 1,059,817; Apr. 22; Gaz. vol. 189; p. 948.
- Bergius, Friedrich, Hanover, Germany. Manufacture of hydrogen from metals and water. No. 1,059,818; Apr. 22; Gaz. vol. 189; p. 948.
- Bergland, Carl, East Orange, assignor to Lauter Company, Newark, N. J. Sheet-music-tracking device. No. 1,081,422; Dec. 16; Gaz. vol. 197; p. 584.
- Bergland, Engbret, Madras, Oreg. Hose-reel. No. 1,064,883; June 17; Gaz. vol. 191; p. 653.
- Berglund, August M., Omaha, Nebr. Ventilating system for buildings. No. 1,052,450; Feb. 11; Gaz. vol. 187; p. 240.
- Bergman, Carl O., Evanston, assignor to Mark Manufacturing Company, Chicago, Ill. Pipe-vise. No. 1,073,731; Sept. 23; Gaz. vol. 194; p. 804.
- Bergman, Charles A., Los Angeles, Cal. Sash-fastener. No. 1,071,866; Sept. 2; Gaz. vol. 194; p. 68.
- Bergman, Oscar A., Seattle, Wash. Sandpaper-holder. No. 1,052,214; May 20; Gaz. vol. 190; p. 639.
- Bergman, William R., St. Joseph, Mo. Explosion-engine. No. 1,058,534; Apr. 8; Gaz. vol. 189; p. 435.
- Bergmann, Christian N. (See Schuster and Bergmann.)
- Bergmann, Frederick H. D. (See Macomber and Bergmann.)
- Bergmann, Nora E. P., New York, N. Y. Garter-holder. No. 1,061,215; May 6; Gaz. vol. 190; p. 224.
- Bergonzini, Henry, New York, N. Y. Signaling device. No. 1,060,226; Apr. 29; Gaz. vol. 189; p. 1127.
- Bergquist, Axel, Dassel, Minn. Stanchion. No. 1,066,983; July 8; Gaz. vol. 192; p. 403.
- Bergren, Charles, Duluth, Minn. Music-leaf turner. No. 1,075,084; Oct. 7; Gaz. vol. 195; p. 171.
- Bergrud, Carl, Kinistino, Saskatchewan, Canada. Threading die-stock. No. 1,054,084; Feb. 25; Gaz. vol. 187; p. 878.
- Bergstrom, Carl G. (See Holmcraus and Bergstrom.)
- Bergstrom, John E., Rock Island, Ill. Scuffle-hoe and garden-trimmer. No. 1,052,789; Feb. 11; Gaz. vol. 187; p. 354.
- Bergstrom, Oscar, assignor to Handy Manufacturing Company, Chicago, Ill. Corner-clamping appliance. No. 1,053,556; Feb. 18; Gaz. vol. 187; p. 663.
- Bergstrom, Oscar M., Minneapolis, Minn. Pumping attachment for automobiles. No. 1,058,141; Apr. 8; Gaz. vol. 189; p. 301.
- Berkowitz, Ibert, New York, N. Y. Bracelet. No. 1,055,859; Mar. 11; Gaz. vol. 188; p. 441.
- Berkowitz, Ibert, New York, N. Y. Bracelet. No. 1,055,860; Mar. 11; Gaz. vol. 188; p. 441.
- Berkowitz, Ibert, New York, N. Y. Bracelet. No. 1,055,861; Mar. 11; Gaz. vol. 188; p. 441.
- Berkshire, Albert M., Uhrichsville, Ohio. Die-stock. No. 1,077,031; Oct. 28; Gaz. vol. 195; p. 955.
- Berkstresser, Robert H., York, Pa. Shoe-lace. No. 1,058,345; Apr. 8; Gaz. vol. 189; p. 372.
- Berl, Ernst, Tubize, Belgium. Preparing solutions of cellulose and for the production of cellulose products from such solutions. No. 1,082,490; Dec. 30; Gaz. vol. 197; p. 1006.
- Berlin - Anhaltische Maschinenbau - Aktien - Gesellschaft. (See Reubold, Wilhelm, assignor.)
- Berlin, George C., Caldwell, Idaho. Driving-gear. No. 1,062,318; May 20; Gaz. vol. 190; p. 674.
- Berlin Machine Works, The. (See La Pointe, Charles E., assignor.)

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- Berliner Jute-Spinnerei & Weberci. (See Watzlawik, Fritz, assignor.)
- Berliner, Selma, New York, N. Y. Hat-pin. No. 1,061,038; May 6; Gaz. vol. 190; p. 167.
- Berman, Alfred. (See Berman, Jacob and A.)
- Berman, Jacob and A., Manchester, England. Life-saving garment and belt. No. 1,077,868; Nov. 4; Gaz. vol. 196; p. 214.
- Bermel, Joseph, New York, N. Y. Burial-vault. No. 1,050,717; Jan. 14; Gaz. vol. 186; p. 508.
- Bernadzikiewicz, Leon, Depew, N. Y. Exercising device. No. 1,051,067; Jan. 21; Gaz. vol. 186; p. 667.
- Bernard, Benjamin, New York, N. Y. Ironing-machine. No. 1,066,177; July 1; Gaz. vol. 192; p. 97.
- Bernard, Oscar C., El Paso, Tex. Advertising device. No. 1,069,521; Aug. 5; Gaz. vol. 193; p. 150.
- Bernard, Peter J., Chicago, Ill. Portable wind-shield. No. 1,064,430; June 10; Gaz. vol. 191; p. 467.
- Bernard, Peter J., and J. Boyle, Chicago, Ill. Wind-shield. No. 1,075,754; Oct. 14; Gaz. vol. 195; p. 428.
- Bernard-Schmolle, Alphonse, London, England. Siphon. No. 1,056,394; Mar. 18; Gaz. vol. 188; p. 654.
- Bernard, William A., assignor to The William Schollhorn Company, New Haven, Conn. Pliers, nippers, or similar tool. No. 1,057,113; Mar. 25; Gaz. vol. 188; p. 935.
- Bernard, William A., assignor to The William Schollhorn Company, New Haven, Conn. Forming sheet-metal handles. No. 1,064,956; June 17; Gaz. vol. 191; p. 677.
- Bernard, William A., assignor to The William Schollhorn Company, New Haven, Conn. Cutting-pliers. (Re-issue.) No. 13,657; Dec. 16; Gaz. vol. 197; p. 756.
- Bernard, William A., assignor to The Schollhorn Company, New Haven, Conn. Cutting-pliers. No. 1,077,789; Nov. 4; Gaz. vol. 196; p. 188.
- Bernauer, George W., assignor of one-half to J. E. Hallowell, St. Charles, Mo. Drying solutions applied to kid, leather, or other materials. No. 1,074,346; Sept. 30; Gaz. vol. 194; p. 1038.
- Berndt, Charles J. (See Norton and Berndt.)
- Berneck, Rudolf M. von. (See Moest and Berneck.)
- Berneck, Rudolf M. von. (See Moest, Berneck, and Opl.)
- Bernhard, Harry T. (See Williams and Bernhard.)
- Bernhard, John B., Syracuse, N. Y. Sectional boiler. No. 1,082,996; Dec. 30; Gaz. vol. 197; p. 1183.
- Bernhard, Richard. (See Niedermeyer and Bernhard.)
- Bernhard, Richard, Milwaukee, Wis., assignor to Power and Mining Machinery Company, New York, N. Y. Crushing-rolls. No. 1,065,998; July 1; Gaz. vol. 192; p. 33.
- Bernhardt, Clarence T., Salisbury, N. C. Clock winding device. No. 1,057,918; Apr. 1; Gaz. vol. 189; p. 179.
- Bernhardt, Clarence T., Salisbury, N. C. Clock winding device. No. 1,078,409; Nov. 11; Gaz. vol. 196; p. 436.
- Bernhardt, David F., New Brighton, assignor to J. B. King & Co., New York, N. Y. Plaster-board-cutting machine. No. 1,062,814; May 27; Gaz. vol. 190; p. 879.
- Bernheim, Eli D. (See Bythiner, William W., assignor.)
- Bernheim, Morris U., Louisville, Ky., assignor, by mesne assignments, to The Alvey-Ferguson Company, Cincinnati, Ohio. Conveyor. No. 1,064,431; June 10; Gaz. vol. 191; p. 468.
- Bernheimer, Clement M. (See Prince and Bernheimer.)
- Bernier, Alphonse, Salem, Mass. Spring-wheel. No. 1,060,420; Apr. 29; Gaz. vol. 189; p. 1198.
- Bernier, Anthime, New York, N. Y. Railway-tie. No. 1,082,674; Dec. 30; Gaz. vol. 197; p. 1072.
- Berning, Johann, Dusseldorf, Germany. Compressed-air distributing or regulating device for pulsometers and similar apparatus. No. 1,051,540; Jan. 28; Gaz. vol. 186; p. 860.
- Bernitt, John, Evanston, Ill. Tent. No. 1,058,142; Apr. 8; Gaz. vol. 189; p. 301.
- Bernoulli, Walter. (See Preiswerk and Bernoulli.)
- Berns, Andrew H. and H. A., Chebanse, Ill. Corn-sheller cylinder and teeth. No. 1,064,699; June 17; Gaz. vol. 191; p. 593.
- Berns, Herman A. (See Berns, Andrew H. and H. A.)
- Bernstein, Abraham, Cincinnati, and N. Bernstein, assignors to The Bernstein Brothers Manufacturing Company, Lebanon, Ohio. Supplemental horseshoe. No. 1,076,185; Oct. 21; Gaz. vol. 195; p. 603.
- Bernstein Brothers Manufacturing Company, The. (See Bernstein, Abraham and N., assignors.)
- Bernstein, Charles. (See Bernstein, Samuel and C.)
- Bernstein, Isaac, New York, N. Y. Garment-holder and shape-retainer. No. 1,073,084; Sept. 16; Gaz. vol. 194; p. 555.
- Bernstein, Milton L., New York, N. Y. Automobile attachment. No. 1,052,559; Feb. 11; Gaz. vol. 187; p. 276.
- Bernstein, Nathan. (See Bernstien, Abraham and N.)
- Bernstein, Samuel and C., New York, N. Y. Shield for children's blouses. No. 1,059,819; Apr. 22; Gaz. vol. 189; p. 948.
- Bernstrom, John, et al. (See Berrigan, John J., assignor.)
- Bernstrom, John, et al. (See Miller, Theodore H., assignor.)
- Berntson, Thomas K., Washington, D. C. Window-cleaner. No. 1,060,310; Apr. 29; Gaz. vol. 189; p. 1158.
- Berquist, Henry A., St. Croix Falls, Wis. Combined railway-tie and rail-fastener. No. 1,052,307; Feb. 4; Gaz. vol. 187; p. 158.
- Berresford, Arthur W., assignor to The Cutler-Hammer Mfg. Co., Milwaukee, Wis. Casing for resistances. No. 1,080,947; Dec. 9; Gaz. vol. 197; p. 389.
- Berrick, John F. (See Roth and Berrick.)
- Berrien, Walter C., San Francisco, Cal. Rail-tie. No. 1,070,103; Aug. 12; Gaz. vol. 193; p. 379.
- Berrigan, John J., East Orange, N. J., assignor to F. J. Arend, New York, N. Y., and J. Bernstrom, Stockholm, Sweden. Separating liquids and solids. No. 1,055,254; Mar. 4; Gaz. vol. 188; p. 199.
- Berrigan, John J., East Orange, N. J., assignor to F. J. Arend, New York, N. Y., and J. Bernstrom, Stockholm, Sweden. Centrifugal separator. No. 1,062,215; May 20; Gaz. vol. 190; p. 639.
- Berrigan, John J., Orange, N. J., assignor to F. J. Arend, New York, N. Y., and J. Bernstrom, Stockholm, Sweden. Apparatus for separating solids and liquids and washing or otherwise treating the separated solids. No. 1,062,216; May 20; Gaz. vol. 190; p. 639.
- Berry, Benjamin F., St. Louis, Mo. Printing apparatus. No. 1,049,652; Jan. 7; Gaz. vol. 186; p. 115.
- Berry, Benjamin F., assignor to Berry Machine Company, St. Louis, Mo. Paper-cutting machine. No. 1,051,381; Jan. 28; Gaz. vol. 186; p. 806.
- Berry, Edward F., New Orleans, La. Dredging device, (pontoon.) No. 1,065,658; June 24; Gaz. vol. 191; p. 951.
- Berry, Edward F., New Orleans, La. Dredging device, (coupling.) No. 1,076,738; Oct. 28; Gaz. vol. 195; p. 851.
- Berry, Elwin S., Putnamville, assignor to O. V. Hooker and Son, St. Johnsbury, Vt. Automatic saw-sharpening machine. No. 1,049,980; Jan. 7; Gaz. vol. 186; p. 223.
- Berry, Frank A., Wollaston, Mass. Coupon strip-ticket. No. 1,053,967; Feb. 25; Gaz. vol. 187; p. 839.
- Berry, Frank K. (See Alexander and Berry.)
- Berry, Harry F., assignor to Wolcomb Machine Company, Norristown, Pa. Evers for spring-needle knitting-machines. No. 1,066,367; July 1; Gaz. vol. 192; p. 163.
- Berry, Henry F., Westminster, London, England. Road-preparing machine. No. 1,073,021; Sept. 9; Gaz. vol. 194; p. 497.
- Berry, James H. (See Elkin, John B., assignor.)
- Berry, James W., Stockbridge, Mich. Stable and street broom. No. 1,069,379; Aug. 5; Gaz. vol. 193; p. 103.
- Berry, John C., Harrow, England. Tread-band for tires of motor-vehicles. No. 1,052,560; Feb. 11; Gaz. vol. 187; p. 276.
- Berry Machine Company. (See Berry, Benjamin F., assignor.)
- Berry, Michael E., Longmeadow, assignor of one-half to The Clinton Fireproofing Co. of New England, Inc., Springfield, Mass. Apparatus for transferring materials. No. 1,054,741; Mar. 4; Gaz. vol. 188; p. 30.
- Berry, Mollie O., Augusta, Ga. Collapsible wardrobe. No. 1,059,023; Apr. 15; Gaz. vol. 189; p. 644.
- Berry, Richard T., Mendenhall, Miss. Rail-joint. No. 1,079,284; Nov. 18; Gaz. vol. 196; p. 765.
- Berry, Robert C., Indianapolis, Ind. Power-hacksaw. No. 1,056,880; Mar. 25; Gaz. vol. 188; p. 853.
- Berry, Sherman G., Tyndall, S. D. Starter for internal-combustion engines. No. 1,081,805; Dec. 16; Gaz. vol. 197; p. 711.
- Berry, Tyler. (See Ammerman, Wesley, assignor.)
- Berry, William C., Marshall, Tex. Peanut-picker and peach-huller. No. 1,061,591; May 13; Gaz. vol. 190; p. 390.
- Berry-Wood Piano Player Company, The. (See Wood, Frederick W., assignor.)
- Berry-Wood Piano Player Company, The. (See Wood and Carney, assignors.)
- Berryman, Jerome W. (See Avery, Ulysses S., assignor.)
- Berryman, William, and A. Redgrave, assignors to The United Flexible Metallic Tubing Company Limited, Penders End, England. Flexible metallic tubing. No. 1,064,432; June 10; Gaz. vol. 191; p. 468.
- Berstler, Joshua B., assignor, by mesne assignments, to Safety Manufacturing Company, Lancaster, Pa. Emergency door-lock. No. 1,058,346; Apr. 8; Gaz. vol. 189; p. 372.
- Bertagnoli, Edward C. and F. W., Central City, Colo. Burglar-alarm. No. 1,081,884; Dec. 16; Gaz. vol. 197; p. 738.
- Bertagnoli, Francis W. (See Bertagnoli, Edward C. and F. W.)
- Berthelm, Alfred. (See Ehrlich and Berthelm.)
- Berthier, Michel, assignor to La Société Nouvelle de la Buire Automobiles, Lyon, France. Differential mechanism of automobile vehicles. No. 1,075,686; Oct. 14; Gaz. vol. 195; p. 406.
- Berthold, Gustav A., Chemnitz, Germany. Skeining-machine. No. 1,068,847; July 29; Gaz. vol. 192; p. 1152.
- Bertina, Charles, and J. Walters, Calgary, Alberta, Canada. Machine for treating tankage. No. 1,055,298; Mar. 4; Gaz. vol. 188; p. 214.

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- Bertolino, Dominick. (See Dailey and Bertolino.)
- Bertram, Alexander, Toronto, Ontario, Canada. Manufacture of materials for the surface coating of walls. No. 1,051,857; Feb. 4; Gaz. vol. 187; p. 4.
- Bertram, Frederick A., New York, N. Y. Kitchen-reminder. No. 1,068,207; July 22; Gaz. vol. 192; p. 889.
- Bertram, Henry, Dundas, Ontario, Canada, assignor to Niles-Bement-Pond Company, Jersey City, N. J. Gapped-gear. No. 1,055,508; Mar. 11; Gaz. vol. 188; p. 324.
- Bertram, Milton E., Cleveland, Ohio. Valve-operating mechanism. No. 1,072,812; Sept. 9; Gaz. vol. 194; p. 421.
- Bertram, Paul E., Crystal Lake, Ill. Self-weighing scoop. No. 1,058,713; Apr. 15; Gaz. vol. 189; p. 533.
- Bertrand, Frederic E. (See Allen and Bertrand.)
- Bertrand, Frederic E. (See Brothers, Eli, assignor.)
- Bertrand, Frederic E., Swampscott, Mass., assignor to United Shoe Machinery Company, Paterson, N. J. Channeling-machine. No. 1,054,388; Feb. 25; Gaz. vol. 187; p. 982.
- Bertrand, Manuel, Barcelona, and C. Mendizabal, Saragossa, Spain. Rotary pump of variable flow. No. 1,051,306; Jan. 21; Gaz. vol. 186; p. 748.
- Bertsch, Charles A., Cambridge City, Ind. Automatic feed for power-shears. No. 1,066,577; July 8; Gaz. vol. 192; p. 264.
- Bertsch, John C., assignor to Standard General Service Car Company, Fort Worth, Tex. Combination stock and freight car. No. 1,056,489; Mar. 18; Gaz. vol. 188; p. 689.
- Bertschy, Adolph J. P., Council Bluffs, Iowa. Suspension for vehicles. No. 1,071,547; Aug. 26; Gaz. vol. 193; p. 939.
- Beseman, Edward J., Los Angeles, Cal. Wind-shield. No. 1,064,043; June 10; Gaz. vol. 191; p. 333.
- Besemfelder, Edward R., Charlottenburg, Germany. Drying damp materials. No. 1,059,820; Apr. 22; Gaz. vol. 189; p. 948.
- Beshore, Emma G., *et al.* (See Gould, Sylvester O., assignor.)
- Beshore, Frank M., *et al.* (See Gould, Sylvester O., assignor.)
- Beshore, Hiram, Marion, Ind. Safe-deposit receptacle. No. 1,082,790; Dec. 30; Gaz. vol. 197; p. 1113.
- Besley, Brian C., Howell, New South Wales, Australia. Extracting tin from base bullion. No. 1,060,527; Apr. 29; Gaz. vol. 189; p. 1233.
- Besley, Lewis S., Salt Lake City, Utah. Automatic electric heater. No. 1,052,998; Feb. 11; Gaz. vol. 187; p. 426.
- Besse, Max D., Dayton, Ohio. Tire-protector. No. 1,058,029; Apr. 8; Gaz. vol. 189; p. 260.
- Bessemer Gas Engine Company, The. (See Murray, Harry D., assignor.)
- Besser, Charles A., Mount Pleasant, Iowa. Collapsible form for building culverts. No. 1,055,862; Mar. 11; Gaz. vol. 188; p. 442.
- Bessonoff, Sergius, Pavlovsk, near St. Petersburg, Russia. Boiler-feed purifier. No. 1,081,935; Dec. 16; Gaz. vol. 197; p. 754.
- Best, Alfred, Salt Lake City, Utah. Power-generating apparatus. No. 1,062,815; May 27; Gaz. vol. 190; p. 879.
- Best, Alfred, Salt Lake City, Utah. Vacuum cleaning device. No. 1,078,185; Nov. 11; Gaz. vol. 196; p. 355.
- Best, Clarence L., San Leandro, Cal. Harvester. No. 1,064,812; June 17; Gaz. vol. 191; p. 630.
- Best Electric Company. (See Vetter, Clarence A., assignor.)
- Best, Henry W., assignor of one-half to I. Best, Quitman, Ga. Rail-joint. No. 1,067,162; July 8; Gaz. vol. 192; p. 464.
- Best, Ida. (See Best, Henry W., assignor.)
- Best, John A., Augusta, Ga. Follower for filing apparatus. No. 1,065,104; June 17; Gaz. vol. 191; p. 726.
- Best, John A., Augusta, Ga. Locking device for filing apparatus. No. 1,065,105; June 17; Gaz. vol. 191; p. 726.
- Best, John A., Augusta, Ga. Filing apparatus. No. 1,065,106; June 17; Gaz. vol. 191; p. 726.
- Best, John A., Augusta, Ga. Filing system. No. 1,065,206; June 17; Gaz. vol. 191; p. 757.
- Best, John A., Augusta, Ga. Loose-leaf index. No. 1,065,895; June 24; Gaz. vol. 191; p. 1030.
- Best, Robert A., Grand Rapids, Mich. Amusement device. No. 1,069,522; Aug. 5; Gaz. vol. 193; p. 150.
- Best, Robert B., Great Neck, N. Y. Asbestos handle. No. 1,079,688; Nov. 25; Gaz. vol. 196; p. 936.
- Best, Victor C., Oak Park, Ill. Purifying chloroform. No. 1,066,877; July 8; Gaz. vol. 192; p. 367.
- Best, William G., and M. Symons, Olyphant borough, Pa. Nosing-plane. No. 1,052,881; Feb. 11; Gaz. vol. 187; p. 386.
- Best, William N., New York, N. Y. Cupola-furnace. No. 1,061,158; May 6; Gaz. vol. 190; p. 204.
- Besta, Paul, Ratingen, Germany. Cable-hauled car. No. 1,053,775; Feb. 18; Gaz. vol. 187; p. 737.
- Bestwall Manufacturing Company. (See Armstrong, Morgan K., assignor.)
- Beswick, Charles W., Tiltonsville, Ohio. Closet-bowl. No. 1,070,003; Aug. 12; Gaz. vol. 193; p. 344.
- Beta Fertilizer Co. (See Reichelt, Bruno, assignor.)
- Bethea, Joseph A., Brewton, Ala. Automobile-tire. No. 1,066,368; July 1; Gaz. vol. 192; p. 163.
- Bethlehem Steel Company. (See Hess, Erwin P., assignor.)
- Bettendorf Company, The. (See Clasen, Claus J. W., assignor.)
- Bettendorf Company, The. (See Taylor, Ralph G., assignor.)
- Bettendorf, J. W., administrator. (See Bettendorf, William P.)
- Bettendorf, William P., deceased, Bettendorf, Iowa; J. W. Bettendorf, administrator. Roof for railway-cars. No. 1,055,698; Mar. 11; Gaz. vol. 188; p. 387.
- Bettendorf, William P., deceased, Bettendorf; J. W. Bettendorf, administrator, Davenport, Iowa. Convertible flat-bottom freight-car and dump-car. No. 1,056,490; Mar. 18; Gaz. vol. 188; p. 690.
- Bettendorf, William P., deceased, Davenport, Iowa; J. W. Bettendorf, administrator. Underframe for cars. No. 1,061,351; May 13; Gaz. vol. 190; p. 305.
- Bettendorf, William P., deceased; J. W. Bettendorf, administrator, Bettendorf, Iowa. Underframe for dumping-cars. No. 1,062,689; May 27; Gaz. vol. 190; p. 838.
- Bettendorf, William P., deceased; J. W. Bettendorf, administrator, Bettendorf, Iowa. Metal underframe construction for cars. No. 1,062,690; May 27; Gaz. vol. 190; p. 838.
- Bettendorf, William P., deceased, Davenport, Iowa; J. W. Bettendorf, administrator. Draft-rigging and support therefor. No. 1,072,300; Sept. 2; Gaz. vol. 194; p. 213.
- Bettington, Claude A., Piccadilly, London, England. Steam-generator. No. 1,068,301; July 22; Gaz. vol. 192; p. 922.
- Bettington, Claude A., London, England. Apparatus for pulverizing coal and other materials. No. 1,074,040; Sept. 23; Gaz. vol. 194; p. 908.
- Bettini, Gianni, Paris, France. Yarn spinning or twisting apparatus. No. 1,073,022; Sept. 9; Gaz. vol. 194; p. 497.
- Bettis, Perkins L. (See King and Bettis.)
- Bettmann, Charles F., New Albany, Ind. Trolley-wheel. No. 1,050,094; Jan. 14; Gaz. vol. 186; p. 298.
- Bettney, Henry A., deceased, Nottingham, England; S. A. Bettney, administratrix. Cable-clip. No. 1,065,107; June 17; Gaz. vol. 191; p. 727.
- Bettney, Sarah A., administratrix. (See Bettney, Henry A.)
- Betts, Anson G., Troy, N. Y. Production of zinc sulfate. No. 1,066,245; July 1; Gaz. vol. 192; p. 122.
- Betts, Charles L., assignor to R. E. Dietz Company, New York, N. Y. Tubular lantern. No. 1,067,966; July 22; Gaz. vol. 192; p. 806.
- Betts, Charles L., assignor to R. E. Dietz Company, New York, N. Y. Tubular lantern. No. 1,067,967; July 22; Gaz. vol. 192; p. 807.
- Betts, Charles L., assignor to R. E. Dietz Company, New York, N. Y. Tubular lantern. No. 1,067,968; July 22; Gaz. vol. 192; p. 807.
- Betts, Charles L., Brooklyn, assignor to R. E. Dietz Company, New York, N. Y. Tubular lantern. No. 1,073,465; Sept. 16; Gaz. vol. 194; p. 689.
- Betts, Everett, Detroit, Mich. Universal joint. No. 1,066,425; July 1; Gaz. vol. 192; p. 180.
- Betts, G. H., *et al.* (See Shirley, Frederick M., assignor.)
- Betts, Jessy E., and C. Ewens, said Betts assignor to C. E. Lindig, Ketchikan, Alaska. Spoon-hook. No. 1,050,759; Jan. 14; Gaz. vol. 186; p. 522.
- Betts, John D., Chicago, Ill. Cooking and heating vessel. No. 1,050,095; Jan. 14; Gaz. vol. 186; p. 299.
- Betts, L. J., *et al.* (See Shirley, Frederick M., assignor.)
- Betulander, Gotthilf A., Södertörns Villastad, Sweden. Electrical connecting apparatus. No. 1,064,957; June 17; Gaz. vol. 191; p. 677.
- Betulander, Gotthilf A., Saltsjö-Nacka, Sweden. Telephone system. No. 1,070,104; Aug. 12; Gaz. vol. 193; p. 379.
- Betz, Frank S. (See Douglass, Ernest D., assignor.)
- Betz, William G., assignor of forty one-hundredths to W. J. Burke, ten one-hundredths to H. N. Wagg, and fifteen one-hundredths to G. M. Stirneman, Chicago, Ill. Pump for cleaners. No. 1,053,698; Feb. 18; Gaz. vol. 187; p. 711.
- Betzling, Adam. (See Grether, Ernst, assignor.)
- Beucus, Thomas, Cedar Springs, Mich. Vaporizer. No. 1,065,580; June 24; Gaz. vol. 191; p. 924.
- Baugler, Edwin F., assignor to E. B. Holmes, Buffalo, N. Y. Machine for making barrel-hoops. No. 1,062,874; May 27; Gaz. vol. 190; p. 898.
- Baugler, Edwin F., assignor to E. B. Holmes, Buffalo, N. Y. Machine for tonguing and grooving the ends of wood flooring. No. 1,082,791; Dec. 30; Gaz. vol. 197; p. 1113.
- Baugler, Edwin F., assignor to E. & B. Holmes Machinery Company, Buffalo, N. Y. Barrel-head-shaping machine. No. 1,063,497; June 3; Gaz. vol. 191; p. 110.

Alphabetical list of patentees—Continued.

- Beugler, Edwin F., assignor to E. & B. Holmes Machinery Company, Buffalo, N. Y. Stave-bending machine. No. 1,063,498; June 3; Gaz. vol. 191; p. 110.
- Beusse, Oscar R., Atlanta, Ga. Press-cloth stripper. No. 1,076,263; Oct. 21; Gaz. vol. 195; p. 629.
- Beutler, Albert, assignor to Belden Manufacturing Company, Chicago, Ill. Covering-machine. No. 1,073,085; Sept. 16; Gaz. vol. 194; p. 556.
- Bevans, Lawrence C. (See Ready, Connor, and Bevans.)
- Beverage, Isaac L., A. C. Suddarth, and H. B. Wood, Monterey, Va. Clamp. No. 1,058,535; Apr. 8; Gaz. vol. 189; p. 436.
- Beverley, Albert, Gorrings Park, Mitcham, England. Machine for blowing glass bottles, jars, and the like. No. 1,065,499; June 24; Gaz. vol. 191; p. 896.
- Bevier, Philip H., New York, N. Y. Fireproof arch. No. 1,063,005; May 27; Gaz. vol. 190; p. 941.
- Bevis, Luther L., Franklin, Ga. Cotton-planter. No. 1,051,382; Jan. 28; Gaz. vol. 186; p. 806.
- Bevis, William M., Lakeland, Fla. Clinical thermometer. No. 1,588,840; Apr. 15; Gaz. vol. 189; p. 579.
- Bewlay, Henry, Newark, N. J., assignor to Western Electric Company, New York, N. Y. Electrical signaling system. No. 1,081,572; Dec. 16; Gaz. vol. 197; p. 633.
- Beyer, Earl W., Amsterdam, N. Y. Foot-rest for radiators. No. 1,067,298; July 15; Gaz. vol. 192; p. 549.
- Beyer, Hugo R., Wilkesburg, Pa. Air-moistening and dust-settling device for radiators. No. 1,064,598; June 10; Gaz. vol. 191; p. 523.
- Beyer, Otto S., Hyde Park, assignor to B. F. Sturtevant Company, Boston, Mass. Heater. No. 1,057,404; Apr. 1; Gaz. vol. 189; p. 5.
- Beyer, William T., Paducah, Ky. Insect-destroyer. No. 1,059,024; Apr. 15; Gaz. vol. 189; p. 644.
- Beyerle, William N., Pasadena, Cal. Automatic display advertising device. No. 1,054,496; Feb. 25; Gaz. vol. 187; p. 1020.
- Beyersdorff, Hermann, *et al.* (See Segelken, Heinrich, assignor.)
- Bialozyt, Jan, assignor of one-half to J. Burcik, Hartford, Ark. Folding umbrella. No. 1,083,050; Dec. 30; Gaz. vol. 197; p. 1200.
- Biard, Robert M., *et al.* (See Strow, and McMillan, assignors.)
- Biasatti, Sam, Memphis, Tenn. Display-rack. No. 1,073,564; Sept. 16; Gaz. vol. 194; p. 722.
- Blavati, Achille F., New York, N. Y. Observation-car. No. 1,057,919; Apr. 1; Gaz. vol. 189; p. 179.
- Bibbins, James R., assignor, by mesne assignments, to The Colonial Trust Company, trustee, Pittsburgh, Pa. Calorimeter. No. 1,055,699; Mar. 11; Gaz. vol. 188; p. 387.
- Bice, Arthur W., London, Ontario, Canada. Gas-regulating valve. No. 1,065,913; July 1; Gaz. vol. 192; p. 3.
- Bichels, Karl E. W., *et al.* (See Boom, John H., assignor.)
- Bickel, August H., Bridgeport, Conn. Sad-iron heater. No. 1,063,241; June 3; Gaz. vol. 191; p. 25.
- Bickel, Henry F., Plainfield, N. J., assignor to New York Air Brake Company Air-brake apparatus. No. 1,076,543; Oct. 21; Gaz. vol. 195; p. 729.
- Bickel, Henry F., Plainfield, N. J., and G. O. Hammond, Watertown, N. Y., assignors to The New York Air Brake Company. Brake apparatus. No. 1,052,999; Feb. 11; Gaz. vol. 187; p. 427.
- Bickerstaff, Robert C. (See Beeman and Bickerstaff.)
- Bickford, Frank H., Muncie, Ind., assignor to The Adder Machine Company, Wilkes-Barre, Pa. Register-resetting mechanism. No. 1,066,700; July 8; Gaz. vol. 192; p. 308.
- Bickford, Frank H., Muncie, Ind., assignor to The Adder Machine Company, Wilkes-Barre, Pa. Calculating-machine. No. 1,069,104; Aug. 5; Gaz. vol. 193; p. 5.
- Bickley, Everett H., Detroit, Mich. Controller for electric signs. No. 1,050,203; Jan. 14; Gaz. vol. 186; p. 333.
- Bickley, William P., Farmersville, Tex. Loose-leaf binder. No. 1,051,541; Jan. 28; Gaz. vol. 186; p. 860.
- Bicknell, John E., assignor to The Findlay Electric Porcelain Company, Findlay, Ohio. Insulator. No. 1,060,886; May 6; Gaz. vol. 190; p. 112.
- Biddinger, Peter A., assignor of one-half to H. Remy, Mansfield, Ohio. Collapsible receptacle. No. 1,056,491; Mar. 18; Gaz. vol. 188; p. 690.
- Biddle, William C. (See Butler, George P., assignor.)
- Biddle, William C., *et al.* (See Mix, Allen H., assignor.)
- Bidle, William S., and J. A. Costello, Cleveland, Ohio. Machine for making hot-pressed nuts. No. 1,050,096; Jan. 14; Gaz. vol. 186; p. 299.
- Bidle, William S., and J. A. Costello, assignors to Cleveland Car Specialty Company, Cleveland, Ohio. Carline for car-roofs. No. 1,053,557; Feb. 18; Gaz. vol. 187; p. 663.
- Bidle, William S., and J. A. Costello, assignors to Cleveland Car Specialty Company, Cleveland, Ohio. Car-roof. No. 1,053,558; Feb. 18; Gaz. vol. 187; p. 663.
- Bidle, William S., and J. A. Costello, assignors to Cleveland Car Specialty Company, Cleveland, Ohio. Car-roof construction. No. 1,053,699; Feb. 18; Gaz. vol. 187; p. 712.
- Bidle, William S., and J. A. Costello, assignors to Cleveland Car Specialty Company, Cleveland, Ohio. Car-roof. No. 1,056,622; Mar. 18; Gaz. vol. 188; p. 735.
- Bidle, William S., and J. A. Costello, assignors to Cleveland Car Specialty Company, Cleveland, Ohio. Car-roof construction. No. 1,064,958; June 17; Gaz. vol. 191; p. 678.
- Biebinger, David A., La Crosse, Wis., assignor to Avery Company. Fertilizer-distributor for planters. No. 1,057,920; Apr. 1; Gaz. vol. 189; p. 180.
- Biehl, Charles, *et al.* (See Schrumm, Ralph S., assignor.)
- Biehl, John H., assignor of one-half to D. L. Snow, Philadelphia, Pa. Compound implement. No. 1,073,565; Sept. 16; Gaz. vol. 194; p. 722.
- Biel, Conrad E., Denver, Colo. Air-lift filtering-pump. No. 1,050,604; Jan. 14; Gaz. vol. 186; p. 474.
- Biel, Edward H., Randolph, Wis. Combined hook and fork. No. 1,055,700; Mar. 11; Gaz. vol. 188; p. 387.
- Biel, Edward H., Randolph, Wis. Combined hook and fork. No. 1,075,005; Oct. 7; Gaz. vol. 195; p. 142.
- Bielech, Andrew. (See Daszko and Bielech.)
- Bielicke, William, assignor to Ross Limited, Clapham Common, London, England. Photographic lens. No. 1,073,950; Sept. 23; Gaz. vol. 194; p. 878.
- Bielitz, Charles C., Brooklyn, N. Y. Locking device for telephones. No. 1,066,786; July 8; Gaz. vol. 192; p. 338.
- Biener, Herman L., assignor to Auto Sectional Leather Tire Company, New York, N. Y. Vehicle-tire. No. 1,051,307; Jan. 21; Gaz. vol. 186; p. 748.
- Bierce, Fred N., assignor to The Specialty Device Company, Cincinnati, Ohio. Guy-anchor. No. 1,070,663; Aug. 19; Gaz. vol. 193; p. 612.
- Bierce, Frederick N., assignor to The Specialty Device Company, Cincinnati, Ohio. Cable-roller. No. 1,061,895; May 13; Gaz. vol. 190; p. 487.
- Bigbie, Charles H., and F. G. Tanner, Lone Grove, Okla. Removable wagon-cover. No. 1,080,948; Dec. 9; Gaz. vol. 197; p. 390.
- Bigelow, Charles A., Lakewood, N. Mex. Plant-protector. No. 1,074,828; Oct. 7; Gaz. vol. 195; p. 81.
- Bigelow, Daniel E., Claremore, Okla. Polishing-machine. No. 1,081,715; Dec. 16; Gaz. vol. 197; p. 679.
- Bigelow, George E., assignor to The Mattatuck Manufacturing Company, Waterbury, Conn. Coil-spring-forming machine. No. 1,065,336; June 24; Gaz. vol. 191; p. 840.
- Bigger, Harry N., Colley township, Sullivan county, Pa. Machine for preparing material for barrel-making. No. 1,052,790; Feb. 11; Gaz. vol. 187; p. 355.
- Biggerstaff, Wilson E., Malvern, Iowa. Seed-planter. No. 1,063,907; June 3; Gaz. vol. 191; p. 252.
- Biggins, Henry E., Wallingford, Conn. Traveler's shaving-mug. No. 1,053,559; Feb. 18; Gaz. vol. 187; p. 664.
- Biggs, Harry L., and M. N., Lebanon, Mo. Attachment for pumping apparatus. No. 1,056,000; Mar. 18; Gaz. vol. 188; p. 523.
- Biggs, Leonard C., Dunedin, New Zealand. Hand-guard for steel hacksaws. No. 1,078,821; Nov. 18; Gaz. vol. 196; p. 609.
- Biggs, Marshall N. (See Biggs, Harry L. and M. N.)
- Bigham, Robert C. (See Sumrall and Bigham.)
- Bignell, Edward, Lincoln, Nebr. Caisson construction. No. 1,066,984; July 8; Gaz. vol. 192; p. 404.
- Biggsby, Frank L., Kirksville, Mo. Emergency automobile-tire. No. 1,057,388; Mar. 25; Gaz. vol. 188; p. 1025.
- Bigsby, Hubert B., and W. M. Lewis, New Hartford, Iowa. Pneumatic hub. No. 1,051,858; Feb. 4; Gaz. vol. 187; p. 4.
- Bigwood, Henry M., and F. H. Terry, Wolverhampton, England. Pipe union or coupling for electric-conduit junction-boxes and other purposes. No. 1,072,379; Sept. 2; Gaz. vol. 194; p. 240.
- Bihler, Carl W., Chicago, Ill. Fastening device for electric fixtures. No. 1,076,186; Oct. 21; Gaz. vol. 195; p. 603.
- Bil, Josef, Pittsburgh, Pa. Permutation-lock. No. 1,051,800; Jan. 28; Gaz. vol. 186; p. 945.
- Bilby, Daniel M., Sharon, Pa. Tool-holder. No. 1,074,041; Sept. 23; Gaz. vol. 194; p. 908.
- Bilger, Samuel B., Souderton, Pa. Hoisting apparatus. No. 1,052,791; Feb. 11; Gaz. vol. 187; p. 355.
- Bill, Leo, Easton, Pa. Lifting-jack. No. 1,052,451; Feb. 11; Gaz. vol. 187; p. 240.
- Bill, Lester A., assignor to J. C. Kent, trustee, Cambridge, Mass. Electric air-heater. No. 1,064,190; June 10; Gaz. vol. 191; p. 385.
- Billau, Charles F., Cedar Rapids, Iowa. Fruit and flower cutter. No. 1,068,848; July 29; Gaz. vol. 192; p. 1152.
- Billau, Charles F., Cedar Rapids, Iowa. Fruit and flower cutter. (Reissue.) No. 1,3642; Nov. 11; Gaz. vol. 196; p. 500.
- Bille, Harald, Copenhagen, Denmark. Telegraphic perforating-receiver. No. 1,076,944; Oct. 28; Gaz. vol. 195; p. 925.
- Billings, Asa W. K., Habana, Cuba. Combustion indicator and recorder for heating devices. No. 1,050,332; Jan. 14; Gaz. vol. 186; p. 378.

Alphabetical list of inventions—Continued.

- Billings, Cecil M., assignor of one-half to J. G. Reichstetter, Newark, N. J. Internal-combustion engine. No. 1,053,700; Feb. 18; Gaz. vol. 187; p. 712.
- Billings, Claud A., assignor of one-half to C. A. Ireland, Ionia, Mich. Rail-tie and fastener. No. 1,066,701; July 8; Gaz. vol. 192; p. 309.
- Billings, Erastus C., Greenfield, Mass. Spring-hinge. No. 1,056,731; Mar. 18; Gaz. vol. 188; p. 773.
- Billings, Frederick C., Milwaukee, Wis. Extension-bracket for piano-actions. No. 1,056,395; Mar. 18; Gaz. vol. 188; p. 654.
- Billings, James R., assignor to Billings Process Company, Birmingham, Ala. Making iron and steel. No. 1,073,587; Sept. 23; Gaz. vol. 194; p. 752.
- Billings Process Company. (See Billings, James R., assignor.)
- Billington, John E. (See Pearce and Billington.)
- Billington, Samuel J. (See Stephenson and Billington.)
- Billions, J. A. (See Fox, Thomas J., assignor.)
- Billiter, Jean, Vienna, Austria-Hungary. Apparatus for the electrolysis of salt solutions. No. 1,054,497; Feb. 25; Gaz. vol. 187; p. 1020.
- Billiter, Jean, Vienna, Austria-Hungary. Purifying carbon for carbon filaments. No. 1,062,431; May 20; Gaz. vol. 190; p. 711.
- Billow, Garrett A., Dayton, Ohio. Weeder. No. 1,053,148; Feb. 18; Gaz. vol. 187; p. 523.
- Bills, Leroy F., assignor of one-fourth to F. M. Nevins and three-fourths to J. Lacoste, Coalinga, Cal. Heaving-plug. No. 1,055,124; Mar. 4; Gaz. vol. 188; p. 159.
- Bilsten, Arthur H., Worthington, Minn. Frame for motorcycles. No. 1,056,492; Mar. 18; Gaz. vol. 188; p. 691.
- Bilton, Clarence E., assignor to The Standard Manufacturing Company, Bridgeport, Conn. Milling-machine. No. 1,061,973; May 20; Gaz. vol. 190; p. 557.
- Bilyeu, Isaac V., Springfield, Ill. Railway-crossing switch. No. 1,050,421; Jan. 14; Gaz. vol. 186; p. 409.
- Bilyeu, Isaac V., Springfield, Ill. Railway-crossover. No. 1,082,394; Dec. 23; Gaz. vol. 197; p. 942.
- Bilz, Gustav R., New York, N. Y. Process of and apparatus for separating sand. (Reissue.) No. 1,351,919; Jan. 28; Gaz. vol. 186; p. 963.
- Bimber, George. (See Cottrell and Bimber.)
- Bimson, William, Philadelphia, Pa. Telephone attachment. No. 1,064,599; June 10; Gaz. vol. 191; p. 523.
- Binckley, George S., Oceanpark, assignor of one-third to T. C. Becker and R. I. Blakeslee, Los Angeles, Cal. Dam. No. 1,081,199; Dec. 9; Gaz. vol. 197; p. 470.
- Binder, Gottlob, Philadelphia, Pa., assignor, by mesne assignments, to American Laundry Machinery Company, Cincinnati, Ohio. Dampening-machine. No. 1,076,648; Oct. 21; Gaz. vol. 195; p. 768.
- Bines, Robert, *et al.*, trustees. (See Wilson, David H., assignor.)
- Bing, Ida, New York, N. Y. Metallic fabric. No. 1,055,509; Mar. 11; Gaz. vol. 188; p. 325.
- Binger, Arnold, New York, N. Y. Adjustable lettering-block. No. 1,052,404; Feb. 4; Gaz. vol. 187; p. 191.
- Bingham, George W., Brooklyn, N. Y., assignor to The Bingham Manufacturing Company. Moving-picture machine. No. 1,052,209; Feb. 4; Gaz. vol. 187; p. 126.
- Bingham, George W., New York, N. Y., assignor to The Bingham Manufacturing Company. Shutter. No. 1,068,208; July 22; Gaz. vol. 192; p. 889.
- Bingham, John, Revelstoke, British Columbia, Canada. Gramophone-brake. No. 1,066,246; July 1; Gaz. vol. 192; p. 123.
- Bingham Manufacturing Company, The. (See Bingham, George W., assignor.)
- Bingham, Michael D., Somerville, Mass. Sash-weight. No. 1,077,586; Nov. 4; Gaz. vol. 196; p. 120.
- Bingham, Nelson, Erie, N. D. Detachable surface-packer. No. 1,054,899; Mar. 4; Gaz. vol. 188; p. 84.
- Bingham, Thomas E., Manchester, England, assignor to Barber-Colman Company, Rockford, Ill. Machine for operating upon warps. No. 1,064,044; June 10; Gaz. vol. 191; p. 333.
- Bingham, Thomas E., Manchester, England, assignor to Barber-Colman Company, Rockford, Ill. Textile-machine. No. 1,081,423; Dec. 16; Gaz. vol. 197; p. 584.
- Binghamton Washing Machine Co. (See Wearne, Richard L., assignor.)
- Bingman, Robert F., and G. H. Winchell, Muskogee, Okla. Railway-torpedo placer. No. 1,070,942; Aug. 19; Gaz. vol. 193; p. 702.
- Binion, William A., Newark, N. Y. Tire. No. 1,061,807; May 13; Gaz. vol. 190; p. 460.
- Binkley, Robah J., assignor of three-tenths to E. W. Page, Chino, and three-tenths to R. A. Steps, Los Angeles, Cal. Beet-cutting machine. No. 1,075,624; Oct. 14; Gaz. vol. 195; p. 384.
- Binney, Robert W., Granite City, Ill. Compression-tractor. No. 1,060,738; May 6; Gaz. vol. 190; p. 60.
- Binnie, Robert, Bolivar, Pa. Self-cleaning drill. No. 1,081,655; Dec. 16; Gaz. vol. 197; p. 660.
- Binns, James R., assignor of one-half to E. D. Myers, Canton, Ohio. Sawing-machine. No. 1,058,714; Apr. 15; Gaz. vol. 189; p. 533.
- Binns, James R., assignor of one-half to E. D. Myers, Canton, Ohio. Automatic machine for boring handles. No. 1,058,940; Apr. 15; Gaz. vol. 189; p. 614.
- Binns, James R., assignor of one-half to E. D. Myers, Canton, Ohio. Automatic turning-lathe. No. 1,062,319; May 20; Gaz. vol. 190; p. 675.
- Binon, Georges, Paris, assignor to J. Bouteille, Neuilly-sur-Seine, France. Automatic carbureter. No. 1,065,912; June 24; Gaz. vol. 191; p. 1036.
- Binsfeld, Louis E., assignor of one-half to J. J. Treppa, Detroit, Mich. Reversible table. No. 1,077,901; Nov. 4; Gaz. vol. 196; p. 226.
- Binswanger, Max, New York, N. Y. Reversible cuff for shirts. No. 1,060,421; Apr. 29; Gaz. vol. 189; p. 1198.
- Binswanger, Samuel, assignor to New Columbia Shirt Company, New York, N. Y. Reversible cuff. No. 1,077,032; Oct. 28; Gaz. vol. 195; p. 956.
- Binz, Alfred E., Plainfield, N. J. Incandescent-lamp manipulator. No. 1,059,705; Apr. 22; Gaz. vol. 189; p. 911.
- Bippart, Achill, Newark, N. J. Flower-holder for the dress. No. 1,072,903; Sept. 9; Gaz. vol. 194; p. 455.
- Bippart, Achill, Newark, N. J. Safety-razor. No. 1,078,989; Nov. 18; Gaz. vol. 196; p. 666.
- Bippus, Alfred F., H. Kempthorn, and G. J. Pascoe, Toledo, Ohio. Display device. No. 1,075,006; Oct. 7; Gaz. vol. 195; p. 142.
- Birault, Camille, Paris, France. Apparatus for the production of gas from sewage. No. 1,080,808; Dec. 9; Gaz. vol. 197; p. 342.
- Birch, Gustaf B. (See Cameron and Birch.)
- Birch, John E., Roland, Manitoba, Canada. Damper attachment for stoves. No. 1,053,776; Feb. 18; Gaz. vol. 187; p. 737.
- Birchett, Winzor A., Detroit, Mich. Reversing-gear for engines. No. 1,080,884; Dec. 9; Gaz. vol. 197; p. 368.
- Birchler, Joseph M., assignor to S. A. McNear, San Jose, Cal. Dumb-waiter. No. 1,073,466; Sept. 16; Gaz. vol. 194; p. 690.
- Birchwood, Charles W., Chicago, Ill. Making couplings. No. 1,050,422; Jan. 14; Gaz. vol. 186; p. 409.
- Bird, Charles E., Minneapolis, Minn. Man-lift elevator. No. 1,079,159; Nov. 18; Gaz. vol. 196; p. 726.
- Bird, Charles S. (See Clarke, Ralph S., assignor.)
- Bird, Charles S., Walpole, Mass. Paper tube and making the same. No. 1,074,926; Oct. 7; Gaz. vol. 195; p. 115.
- Bird, Charles S., and G. R. Wyman, Walpole, Mass.; said Wyman assignor to said Bird. Paper-board. No. 1,074,829; Oct. 7; Gaz. vol. 195; p. 82.
- Bird, George Y. (See Smith, Rollin R., assignor.)
- Bird, Mary E., Plymouth, N. H. Supporter. No. 1,080,097; Dec. 2; Gaz. vol. 197; p. 63.
- Bird, Walter M., Calders Station, Utah. Loss-preventing device. No. 1,068,209; July 22; Gaz. vol. 192; p. 890.
- Bird, William L. (See Hamilton and Bird.)
- Bird, William W., and L. W. Rawson, Worcester, Mass., assignors to Worcester Polytechnic Institute. Feed device. No. 1,064,700; June 17; Gaz. vol. 191; p. 593.
- Birdsall, Ira D., assignor to Durfee Embalming Fluid Company, Grand Rapids, Mich. Folding and adjustable table. No. 1,063,642; June 3; Gaz. vol. 191; p. 164.
- Birdsall, James E., assignor to W. E. Dotts, Philadelphia, Pa. Toy gun. No. 1,060,887; May 6; Gaz. vol. 190; p. 112.
- Birdsall, William, East Orange, N. J. Combined collar-fastener and necktie-guiding device. No. 1,076,622; Oct. 21; Gaz. vol. 195; p. 758.
- Birdsey-Somers Company. (See Somers, Thomas F., assignor.)
- Birdsley, Arthur, Lyons, Iowa. Towel-rack. No. 1,067,581; July 15; Gaz. vol. 192; p. 643.
- Birkeland, Kristian, assignor to Norsk-Hydro-Elektrisk Kvaestofaktieselskab, Christiania, Norway. Extracting metals from minerals, rocks, and other materials. No. 1,071,290; Aug. 26; Gaz. vol. 193; p. 854.
- Birken, William J. (See Axt and Goodrich, assignors.)
- Birkett, Edward J., assignor to J. I. Case Threshing Machine Company, Racine, Wis. Punching-machine. No. 1,056,396; Mar. 18; Gaz. vol. 188; p. 654.
- Birkle, Edward, Jr., St. Louis, Mo. Key-holder latch. No. 1,055,510; Mar. 11; Gaz. vol. 188; p. 325.
- Birmingham Small Arms Company, Limited, The. (See Norman, George, assignor.)
- Birnbaum, Joseph W. (See Ladew and Birnbaum.)
- Bir6, Leopold, Vienna, Austria-Hungary. Collapsible bed. No. 1,056,317; Mar. 18; Gaz. vol. 188; p. 629.
- Bir6, Vilmos, Budapest, Austria-Hungary. Steam-heating hose-coupling with automatic draining-valve principally for railway-trains. No. 1,076,739; Oct. 28; Gaz. vol. 195; p. 852.
- Birrel, James. (See Stewart, Thomas Y., assignor.)
- Birrell, James. (See Birrell, William and J.)
- Birrell, William and J., assignors to F. J. Koloman, trustee, Seattle, Wash. Vacuum-producing device. No. 1,073,467; Sept. 16; Gaz. vol. 194; p. 691.
- Birshfield, Jules A., La Crosse, Wis. Vending-machine. No. 1,067,211; July 8; Gaz. vol. 192; p. 482.
- Birtman Electric Co. (See English, Frederick A., assignor.)

Alphabetical list of inventions—Continued

- Bisbee, George W. (See Boller, Blemer, and Clement, assignors.)
- Bisbee, George W., *et al.* (See Boller and Clement, assignors.)
- Bisceglia, Salvatore, assignor to H. M. Lindenthal & Sons, Chicago, Ill. Coat. No. 1,060,060; Apr. 29; Gaz. vol. 189; p. 1071.
- Bisch, Floyd, Philadelphia, Pa. Ratchet-wrench. No. 1,062,140; May 20; Gaz. vol. 190; p. 614.
- Bischof, Josef, and A. Hehn, Davis, W. Va. Penholder. No. 1,081,944; Dec. 23; Gaz. vol. 197; p. 786.
- Bischoff, Andrew W., Rankin, Ill. Fly-paper holder. No. 1,080,249; Dec. 2; Gaz. vol. 197; p. 116.
- Bischoff, Gotthilf, Freudenstadt, assignor to Firm of E. G. Bek, Pforzheim, Germany. Manufacture of carbine-hooks. No. 1,067,396; July 15; Gaz. vol. 192; p. 581.
- Bischoff, Gotthilf, Freudenstadt, assignor to Ernst Gideon Bek, G. m. b. H., Pforzheim, Germany. Manufacture of chain-swivels. No. 1,073,841; Sept. 23; Gaz. vol. 194; p. 840.
- Bishop-Babcock-Becker Company, The. (See Champ and Schutt, assignors.)
- Bishop-Babcock-Becker Company, The. (See Schutt, Theodore H., assignor.)
- Bishop & Babcock Company, The. (See Champ, Joseph H., assignor.)
- Bishop, Ben L., Jackson, Tenn. Subsoil attachment for plows. No. 1,069,080; July 29; Gaz. vol. 192; p. 1231.
- Bishop, Benjamin A. (See Bishop, Jose C. and B. A.)
- Bishop, Carl E. and I. J., Mitchellville, Iowa. Automatic water-pressure and fuel control. No. 1,082,728; Dec. 30; Gaz. vol. 197; p. 1091.
- Bishop, Charles G., Southampton, N. Y. Scaffold-ladder. No. 1,068,849; July 29; Gaz. vol. 192; p. 1152.
- Bishop, Clarence A., New York, N. Y. Apparatus for effecting calculations. No. 1,065,500; June 24; Gaz. vol. 191; p. 896.
- Bishop, Clarence A., New York, N. Y. Calculating and making unalterable records. No. 1,065,501; June 24; Gaz. vol. 191; p. 897.
- Bishop, Clarence A., New York, N. Y. Calculating-machine. No. 1,081,089; Dec. 9; Gaz. vol. 197; p. 433.
- Bishop, Edward, Excelsior, Ark. Valve. No. 1,063,767; June 3; Gaz. vol. 191; p. 206.
- Bishop, Frank, South Bend, Ind., assignor to Auto-Electric Refrigerating Company, Chicago, Ill. Automatic control device for refrigerating apparatus. No. 1,050,910; Jan. 21; Gaz. vol. 186; p. 613.
- Bishop, Ira J. (See Bishop, Carl E. and I. J.)
- Bishop, Jose C. and B. A., Birmingham, Ala. Safety device for planing-mills. No. 1,053,348; Feb. 18; Gaz. vol. 187; p. 591.
- Bishop, Norman D., Los Angeles, Cal. Adjustable combined seat and covering for beds. No. 1,063,908; June 3; Gaz. vol. 191; p. 253.
- Bishop, Norman D., Los Angeles, Cal. Mechanism for raising or lowering beds. No. 1,063,909; June 3; Gaz. vol. 191; p. 253.
- Bishop, Robert H. (See Hartley and Bishop.)
- Bisko, Andrew, Minneapolis, Minn. Combination-tool. No. 1,061,352; May 13; Gaz. vol. 190; p. 305.
- Bisland, Pressley E., assignor to Abbott Coin Counter Company, New York, N. Y. Coin-packaging device. No. 1,077,968; Nov. 11; Gaz. vol. 196; p. 281.
- Bispham, Mary E., Waynesville, Ohio. Skirt-protector. No. 1,082,792; Dec. 30; Gaz. vol. 197; p. 1114.
- Biss, Benni, New York, N. Y. Drink-dispensing apparatus. No. 1,058,404; Apr. 8; Gaz. vol. 189; p. 392.
- Bissell, Carl H., assignor to Crouse-Hinds Company, Syracuse, N. Y. Voltmeter-switch. No. 1,051,542; Jan. 28; Gaz. vol. 186; p. 861.
- Bissell, Carl H., assignor to Crouse-Hinds Company, Syracuse, N. Y. Casing for incandescent-electric-lamp sockets. No. 1,075,539; Oct. 14; Gaz. vol. 195; p. 355.
- Bissell, Carl H., assignor to Crouse-Hinds Company, Syracuse, N. Y. Cluster lamp-socket. No. 1,076,477; Oct. 21; Gaz. vol. 195; p. 706.
- Bissell, Joseph E., Pittsburgh, Pa. Power-transmitting mechanism. No. 1,077,118; Oct. 28; Gaz. vol. 195; p. 982.
- Bissell, Joseph E., Pittsburgh, Pa. Propeller. No. 1,077,187; Oct. 28; Gaz. vol. 195; p. 1003.
- Bissett, Harry L., *et al.* (See Christman, Matthias, assignor.)
- Bissex, George E., Philadelphia, Pa. Index-tab. No. 1,059,519; Apr. 22; Gaz. vol. 189; p. 850.
- Bissex, George E., assignor to Stephen Greene Co., Philadelphia, Pa. Strip-applying machine. No. 1,061,966; May 13; Gaz. vol. 190; p. 512.
- Bissonnette, Victor J., and A. M. Linn, Stafford Springs, Conn. Hand-card. No. 1,073,842; Sept. 23; Gaz. vol. 194; p. 840.
- Bithell, John, Newtown, England. Lock or fastening for railway and other carriage doors and the like. No. 1,076,544; Oct. 21; Gaz. vol. 195; p. 730.
- Bittel, Edward, Chicago, Ill. Salt-shaker. No. 1,051,668; Jan. 28; Gaz. vol. 186; p. 903.
- Bitter, Andreas, and E. Weissberg, Cassel, Germany. High-tension connecting-insulator. No. 1,058,143; Apr. 8; Gaz. vol. 189; p. 301.
- Bitter, Otto, Rochester, N. Y. Preserving bread. No. 1,081,945; Dec. 23; Gaz. vol. 197; p. 786.
- Bitter, Reuben H., and D. C. Stephenson, Toledo, Ohio. Tie-plate and rail-fastener for railways. No. 1,071,867; Sept. 2; Gaz. vol. 194; p. 68.
- Bitting, Hervey S., Lancaster, Pa. Electric burglar-alarm. No. 1,081,278; Dec. 9; Gaz. vol. 197; p. 498.
- Bittle, John F., Lisbon, Iowa. Wick-holder for oil-stoves. No. 1,082,395; Dec. 23; Gaz. vol. 197; p. 942.
- Bituminized Road Company. (See Popkess, Michael A., assignor.)
- Bituminous Road Implement Company. (See Price, Charles P., assignor.)
- Bixby, Robert, North Andover, Mass. Nut-lock. No. 1,077,119; Oct. 28; Gaz. vol. 195; p. 983.
- Bixby, Willard G., New York, N. Y. Variable-speed mechanism. No. 1,063,410; June 3; Gaz. vol. 191; p. 81.
- Bixler, Lewis S., Kenton, Ohio. Paper-exploder. No. 1,070,871; Aug. 19; Gaz. vol. 193; p. 680.
- Bizzarri, Henry, New York, N. Y. Plastic material. No. 1,057,921; Apr. 1; Gaz. vol. 189; p. 180.
- Bjorge, Oscar B. (See Beckwith and Bjorge.)
- Bjorkholm, Jakob H., Tacoma, Wash. Sack-turner. No. 1,068,729; July 29; Gaz. vol. 192; p. 1108.
- Bjorklund, Hilding A., Traverse, Minn. Vehicle-wheel. No. 1,053,000; Feb. 11; Gaz. vol. 187; p. 427.
- Bjurlund, Johan F., Richmond Hill, assignor of one-half to H. M. Lasauce, Brooklyn, N. Y. Package-fastener. No. 1,076,740; Oct. 28; Gaz. vol. 195; p. 852.
- Blaauw, Geert, Massena, N. Y. Dam. No. 1,049,981; Jan. 7; Gaz. vol. 186; p. 224.
- Blaauw, Geert, Pittsburgh, Pa. Dam. No. 1,077,790; Nov. 4; Gaz. vol. 196; p. 189.
- Blaauw, Geert, Pittsburgh, Pa. Cellular dam. No. 1,077,791; Nov. 4; Gaz. vol. 196; p. 189.
- Black, Albert G., Millport, Ala., assignor of one-fourth to A. K. Collins, one-fourth to W. A. Shepherd, and one-fourth to S. E. Wilson. Calculating-register. No. 1,074,347; Sept. 30; Gaz. vol. 194; p. 1038.
- Black, Burton A., administrator. (See Porter, Asahel A.)
- Black, Charles. (See Blee, Black, and Palmer.)
- Black, Charles. (See Gillett, George S., assignor.)
- Black, Charles A., *et al.* (See Halliday, George, assignor.)
- Black-Clawson Company, The. (See Kutter, Herman L., assignor.)
- Black, Hugh M., Brighton, England. Apparatus for testing the eyesight. No. 1,072,813; Sept. 9; Gaz. vol. 194; p. 421.
- Black, Joseph L., Palatine, Ill. Separator for mechanical mixtures of gases. No. 1,061,656; May 13; Gaz. vol. 190; p. 412.
- Black, Josiah, assignor to E. Vaughan, Philadelphia, Pa. Circular-knitting machine. No. 1,062,875; May 27; Gaz. vol. 190; p. 899.
- Black, Lee J., Beaumont, Tex. Rotary drilling-machine. No. 1,053,777; Feb. 18; Gaz. vol. 187; p. 738.
- Black, Lee J., Beaumont, Tex. Drying-machine. No. 1,055,125; Mar. 4; Gaz. vol. 188; p. 159.
- Black, Thompson W. (See Nelson, Black, and Zapfe.)
- Black, William G., and E. R. St. John, assignors of one-fourth to said Black, one-fourth to said St. John, one-fourth to W. A. Richwine, and one-fourth to A. H. Sarver, Pittsburgh, Pa. Engine-starter. No. 1,066,985; July 8; Gaz. vol. 192; p. 404.
- Blackall, Robert H., Pittsburgh, Pa., assignor to Ratchet Brake Company, New York, N. Y. Hand-actuated brake mechanism. No. 1,066,702; July 8; Gaz. vol. 192; p. 309.
- Blackburn, Alvah, Alum Bank, Pa. Combined bumper and blind for animals. No. 1,057,615; Apr. 1; Gaz. vol. 189; p. 75.
- Blackburn, Charles S., Seneca, S. C. Combined fender and blower. No. 1,049,653; Jan. 7; Gaz. vol. 186; p. 115.
- Blackburn, Jasper, Kirkwood, Mo. Block-signal and train-control system. No. 1,049,558; Jan. 7; Gaz. vol. 186; p. 83.
- Blackburn, Jasper, Kirkwood, Mo. Guy-clamp. No. 1,071,868; Sept. 2; Gaz. vol. 194; p. 69.
- Blackburn, Jasper, Kirkwood, Mo. Guy-clamp. No. 1,078,605; Nov. 18; Gaz. vol. 196; p. 532.
- Blackburn, Jasper, Kirkwood, Mo. Earth-anchor. No. 1,080,041; Dec. 2; Gaz. vol. 197; p. 43.
- Blackburn, Julian E., Texarkana, Tex. Rock-drill. No. 1,057,922; Apr. 1; Gaz. vol. 189; p. 180.
- Blackburne, Edward J., Trenton, N. J. Non-refillable bottle. No. 1,050,515; Jan. 14; Gaz. vol. 186; p. 443.
- Blacker, William, Stalybridge, England. Mechanical or power-actuated hammer. No. 1,054,332; Feb. 25; Gaz. vol. 187; p. 962.
- Blackford, Atwell J., Cleveland, Ohio, assignor to American Stove Company, St. Louis, Mo. Blue-flame oil-stove. No. 1,074,686; Oct. 7; Gaz. vol. 195; p. 35.
- Blackford, Atwell J., Cleveland, Ohio, assignor to American Stove Company, St. Louis, Mo. Wick blue-flame oil-burner. No. 1,074,687; Oct. 7; Gaz. vol. 195; p. 36.
- Blackford, Charles M., Trenton, N. J. Eyeglasses. No. 1,063,499; June 3; Gaz. vol. 191; p. 111.
- Blackford, Godwin L., *et al.* (See Upshaw, Lucius L., assignor.)

Alphabetical list of patentees—Continued.

- Blackman, Charles D., Dodge City, Kans. Automatic shut-off cock. No. 1,050,423; Jan. 14; Gaz. vol. 186; p. 410.
- Blackman, James B. (See Barton, Charles N., assignor.)
- Blackmer, Frank. (See Travis and Blackmer.)
- Blackmer, Robert M., Monongahela, Pa. Rotary pump. No. 1,080,676; Dec. 9; Gaz. vol. 197; p. 294.
- Blackshear, Robert K., Lufkin, Tex. Advertising-shield for vehicle-wheels. No. 1,054,819; Mar. 4; Gaz. vol. 188; p. 58.
- Blackwelder, J. W., *et al.* (See Martin and Flowers, assignors.)
- Blackstock, Charles T. (See Butler and Blackstock.)
- Blackstock, George W. (See Hirsch and Blackstock.)
- Blackstock, Walter E., Astoria, Oreg. Non-refillable bottle. No. 1,083,184; Dec. 30; Gaz. vol. 197; p. 1240.
- Blackwell, Adelaide M., Seattle, Wash. Protective uniform. No. 1,061,808; May 13; Gaz. vol. 190; p. 460.
- Blackwell, Adelaide M., Seattle, Wash. Buffet-server. No. 1,063,321; June 3; Gaz. vol. 191; p. 51.
- Blackwell, Otto B., Maplewood, N. J., and G. A. Anderegg, Oak Park, Ill., assignors to American Telephone and Telegraph Company, New York, N. Y. Reducing telephonic disturbances. No. 1,064,433; June 10; Gaz. vol. 191; p. 468.
- Blades, Charles A. (See Kislovitz, Samuel, assignor.)
- Blades, Josiah D., Bracken county, Ky. Combined planter and fertilizer-distributor. No. 1,065,427; June 24; Gaz. vol. 191; p. 872.
- Blaich, Alfred O. (See Sallows, James F., assignor.)
- Blain, James M., Spring City, Utah. Electric switch. No. 1,073,023; Sept. 9; Gaz. vol. 194; p. 497.
- Blair, Athol E. and J. W., Visalia, Cal. Vehicle-support. No. 1,068,964; July 29; Gaz. vol. 192; p. 1193.
- Blair, Chauncey J. (See Wheaton, Harold J., assignor.)
- Blair, David E., Montreal, Quebec, Canada. Dump-car. No. 1,075,687; Oct. 14; Gaz. vol. 195; p. 406.
- Blair, David W., assignor, by mesne assignments, to Metallurgical Research Company, New York, N. Y. Treating copper. No. 1,058,941; Apr. 15; Gaz. vol. 189; p. 614.
- Blair, David W., assignor, by mesne assignments, to Metallurgical Research Company, New York, N. Y. Furnace. No. 1,061,964; May 13; Gaz. vol. 190; p. 511.
- Blair Engineering Company, The. (See Egler, Nicolas F., assignor.)
- Blair, John A., Steuben township, Crawford county, Pa. Attachment for milk-pails. No. 1,062,532; May 20; Gaz. vol. 190; p. 743.
- Blair, John W. (See Blair, Athol E. and J. W.)
- Blair, Robert S., New York, N. Y. Vehicle. No. 1,070,765; Aug. 19; Gaz. vol. 193; p. 647.
- Blair, Thomas S., Jr. (See Egler, Nicolas F., assignor.)
- Blair, Thomas S., Jr. (See Lauth, Bernard C., assignor.)
- Blair, Tom A. (See McBride and Blair.)
- Blake, Albert C. (See Blake, Frank F. C. and A. C.)
- Blake, Benjamin F., Marion, Ohio. Money-separator for cash-registers. No. 1,049,982; Jan. 7; Gaz. vol. 186; p. 224.
- Blake Car Steps Works Incorporated, The. (See Blake, John S. and F. D., assignors.)
- Blake Crusher and Pulverizer Company. (See Blake, John E., assignor.)
- Blake, Edmund E., Saco, and W. H. Goldsmith, Jr., Biddeford, Me., assignors, by mesne assignments, to Saco-Pettee Company, Newton, Mass. Casing for roving-frame mechanism. No. 1,080,042; Dec. 2; Gaz. vol. 197; p. 43.
- Blake, Frank F. C. and A. C., Buffalo, N. Y. Non-refillable bottle. No. 1,072,689; Sept. 9; Gaz. vol. 194; p. 377.
- Blake, Frank R., Malden, assignor to Blake Spark Plug Co., Boston, Mass. Electric spark-plug. No. 1,053,470; Feb. 18; Gaz. vol. 187; p. 633.
- Blake, Fred D. (See Blake, John S. and F. D.)
- Blake, George W., Wyandotte, Mich. Dispensing-receptacle. No. 1,055,310; Mar. 11; Gaz. vol. 188; p. 256.
- Blake, James E., Tacoma, Wash. Hose-clamp applicator. No. 1,072,301; Sept. 2; Gaz. vol. 194; p. 213.
- Blake, John E., deceased; R. E. Blake, executrix, assignor to Blake Crusher and Pulverizer Company, Pittsburgh, Pa. Pulverizer. No. 1,080,532; Dec. 9; Gaz. vol. 197; p. 246.
- Blake, John F., New York, N. Y. Means for embossing hats. No. 1,050,795; Jan. 21; Gaz. vol. 186; p. 570.
- Blake, John S. and F. D., Charlotte, N. C., assignors to The Blake Car Steps Works Incorporated. Folding car-step. No. 1,063,643; June 3; Gaz. vol. 191; p. 164.
- Blake & Knowles Steam Pump Works, The. (See Aborn, George P., assignor.)
- Blake, Larkin S., Sulphur Springs, Ga. Lamp-burner. No. 1,053,001; Feb. 11; Gaz. vol. 187; p. 427.
- Blake, Louisa, Worcester, Mass. Snow-scraper. No. 1,064,232; June 10; Gaz. vol. 191; p. 415.
- Blake, Lucien I., London, England. Direction-finder for submarine signals. No. 1,051,543; Jan. 28; Gaz. vol. 186; p. 861.
- Blake, Lucien I., London, England. Submarine signaling. No. 1,080,098; Dec. 2; Gaz. vol. 197; p. 63.
- Blake Pump & Condenser Co. (See Blake, William H., assignor.)
- Blake, Rebecca E., executrix. (See Blake, John E.)
- Blake Signal and Manufacturing Co., The. (See Jansson, Bennett G., assignor.)
- Blake Spark Plug Co. (See Blake, Frank R., assignor.)
- Blake, Walter, Appleton, Wis. Non-freezing silo. No. 1,051,068; Jan. 21; Gaz. vol. 186; p. 667.
- Blake, William H., Fitchburg, Mass., assignor to Blake Pump & Condenser Co. Steam-actuated valve. No. 1,052,452; Feb. 11; Gaz. vol. 187; p. 241.
- Blakely, Horace. (See Forsyth, John F., assignor.)
- Blakely, William W., and W. S. Miller, Detroit, Mich.; said Miller assignor to said Blakely. Lathe attachment. No. 1,050,263; Jan. 14; Gaz. vol. 186; p. 354.
- Blakeslee, Charles W., and W. B. Wicker, Enid, Okla. Washing-machine. No. 1,058,715; Apr. 15; Gaz. vol. 189; p. 534.
- Blakeslee, George S., Chicago, Ill. Driving mechanism. No. 1,076,659; Oct. 28; Gaz. vol. 195; p. 823.
- Blakeslee, John R., assignor to The Ajax Manufacturing Company, Cleveland, Ohio. Forging mechanism. No. 1,053,471; Feb. 18; Gaz. vol. 187; p. 633.
- Blakeslee, Raymond I., *et al.* (See Binckley, George S., assignor.)
- Blakeslee, Raymond I. (See Hill, Aaron, assignor.)
- Blakeslee, William W. (See Emerson, Loender C., assignor.)
- Blanch, Malcolm. (See Quist and Blanch.) (Reissue.)
- Blanchard, Allen I., Chicago, Ill. Ticket-cutter. No. 1,055,511; Mar. 11; Gaz. vol. 188; p. 325.
- Blanchard, Edwin O., Randolph, Vt. Sanitary shaving-cup. No. 1,063,644; June 3; Gaz. vol. 191; p. 165.
- Blanchard, Fred M., assignor of one-half to H. N. Comey, Danvers, Mass. Counting attachment for box-machines. No. 1,054,165; Feb. 25; Gaz. vol. 187; p. 906.
- Blanchard, Fred M., Newtonville, and B. F. Chamberlin, Jr., Dorchester, Mass. Footwear and insole therefor. No. 1,068,382; July 22; Gaz. vol. 192; p. 950.
- Blanchard, Harry. (See Ethridge, Chancellor S., assignor.)
- Blanchard Machine Company, The. (See Spencer, Henry K., assignor.)
- Blanchet, Nicholas, Nye, Oreg. Vehicle-brake. No. 1,082,396; Dec. 23; Gaz. vol. 197; p. 943.
- Blangey, Louis, Mannheim, and C. Immerheiser, assignors to Badische Anilin & Soda Fabrik, Ludwigshafen-on-the-Rhine, Germany. Azo dye. No. 1,073,951; Sept. 23; Gaz. vol. 194; p. 878.
- Blank, August, Leverkusen, near Cologne, assignor to Farbenfabriken vorm. Friedr. Bayer & Co., Elberfeld, Germany. Trisazo dye. No. 1,051,859; Feb. 4; Gaz. vol. 187; p. 5.
- Blank, August, Leverkusen, near Cologne, assignor to Farbenfabriken vorm. Friedr. Bayer & Co., Elberfeld, Germany. Trisazo dye. No. 1,052,031; Feb. 4; Gaz. vol. 187; p. 65.
- Blank, August, and C. Heidenreich, Leverkusen, assignors to Farbenfabriken vorm. Friedr. Bayer & Co., Elberfeld, Germany. Black trisazo dyes. No. 1,056,493; Mar. 18; Gaz. vol. 188; p. 691.
- Blank, August, and W. Bergdolt, Leverkusen, near Cologne, assignors to Farbenfabriken vorm. Friedr. Bayer & Co., Elberfeld, Germany. Azo dyestuffs. No. 1,082,923; Dec. 30; Gaz. vol. 197; p. 1159.
- Blank, August, C. Heidenreich, and J. Jansen, Leverkusen, near Cologne, assignors to Farbenfabriken vorm. Friedr. Bayer & Co., Elberfeld, Germany. Cotton-dyestuffs. No. 1,082,581; Dec. 30; Gaz. vol. 197; p. 1039.
- Blank, August, C. Heidenreich, and J. Jansen, Leverkusen, near Cologne, assignors to Farbenfabriken vorm. Friedr. Bayer & Co., Elberfeld, Germany. Cotton-dyestuffs. No. 1,082,924; Dec. 30; Gaz. vol. 197; p. 1159.
- Blank, August, C. Heidenreich, and J. Jansen, Leverkusen, near Cologne, assignors to Farbenfabriken vorm. Friedr. Bayer & Co., Elberfeld, Germany. Cotton-dyes. No. 1,082,925; Dec. 30; Gaz. vol. 197; p. 1160.
- Blank, Frank H. R., Chicago, Ill. Vending-machine. No. 1,058,144; Apr. 8; Gaz. vol. 189; p. 301.
- Blank, Gregor, New York, N. Y. Electrical distribution system. No. 1,059,925; Apr. 22; Gaz. vol. 189; p. 981.
- Blanke, Cyrus F., St. Louis, Mo. Pouring-spout for tin or paper receptacles. No. 1,079,388; Nov. 25; Gaz. vol. 196; p. 833.
- Blanthorn, John E. (See Donnelly and Blanthorn.)
- Blasdel, Elmer C. (See Holmes and Blasdel.)
- Blaser, David, Milan, Ill. Flying-machine. No. 1,064,600; June 10; Gaz. vol. 191; p. 524.
- Blass, Conrad, New York, N. Y. Self-locking lamp-bulb. No. 1,082,397; Dec. 23; Gaz. vol. 197; p. 943.
- Blatter, D. V., *et al.* (See Griffith, Jesse E., assignor.)
- Blattle, Herman I., assignor of one-half to A. Selzer, Providence, R. I. Sad-iron. No. 1,054,166; Feb. 25; Gaz. vol. 187; p. 906.
- Blau, Hermann, Augsburg, Germany. Illuminating liquefied gas and treating gases. No. 1,073,843; Sept. 23; Gaz. vol. 194; p. 840.
- Blau, Hermann, Augsburg, Germany. Apparatus for liquefying gaseous mixtures. No. 1,074,094; Sept. 23; Gaz. vol. 194; p. 925.

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- Blaul, August W., and L. Harmison, Cumberland, Md. Lard-cutter. No. 1,065,108; June 17; Gaz. vol. 191; p. 727.
- Blaustein, Joseph. (See Greenwald, Blaustein, Weiss, and Selkovits.)
- Blauvelt-Wiley Paper Manufacturing Company. (See Bain, David, assignor.)
- Blauvelt, William G., New York, N. Y., assignor to American Telephone and Telegraph Company. Telephone signaling system. No. 1,055,863; Mar. 11; Gaz. vol. 188; p. 442.
- Blauvelt, William G., New York, N. Y., and E. C. Molina, East Orange, N. J., assignors to American Telephone and Telegraph Company. Controlling apparatus. No. 1,061,519; May 13; Gaz. vol. 190; p. 364.
- Blauvelt, William H., C. G. Tufts, Syracuse, and C. A. Collins, New York, assignors to Somet-Solvay Company, Solvay, N. Y. Removing tar from coal-gases. No. 1,053,349; Feb. 18; Gaz. vol. 187; p. 592.
- Blaw Steel Centering Company. (See McArthur, Charles D., assignor.)
- Blaxley, William R., and W. C. Pinson, Leicester, England. Variable-speed and free-engine gearing. No. 1,070,004; Aug. 12; Gaz. vol. 193; p. 345.
- Blaxter, George H., Beaver Falls, Pa. Making seamless tubes. No. 1,076,545; Oct. 21; Gaz. vol. 195; p. 730.
- Blaxter, George H., assignor to Pittsburg Seamless Tube Company, Beaver Falls, Pa. Automatic adjusting mechanism for reelers for tubes, &c. No. 1,059,821; Apr. 22; Gaz. vol. 189; p. 949.
- Blaxter, George H., New Brighton, assignor to Pittsburg Seamless Tube Company, Beaver Falls, Pa. Reeling tubes. No. 1,059,955; Apr. 22; Gaz. vol. 189; p. 992.
- Bleakney, Charles R., Sidney, Ohio. Paper clip or fastener. No. 1,054,498; Feb. 25; Gaz. vol. 187; p. 1021.
- Blee, Charles O., and J. C. Helmkamp, Fort Wayne, Ind. Artificial fish-bait. No. 1,056,494; Mar. 18; Gaz. vol. 188; p. 691.
- Blee, Charles O., Fort Wayne, Ind., C. Black, Westminster, Md., and C. Palmer, Fort Wayne, Ind. Plasterer's implement. No. 1,060,810; May 6; Gaz. vol. 190; p. 84.
- Bleecker, Warren F., Boulder, Colo., assignor, by mesne assignments, to The Rare Metals Mining and Milling Company. Extracting vanadic acid from insoluble copper vanadate. No. 1,049,330; Jan. 7; Gaz. vol. 186; p. 4.
- Bleecker, Warren F., Canonsburg, Pa. Producing zinc from blue powder. No. 1,066,787; July 8; Gaz. vol. 192; p. 338.
- Bleecker, Warren F., Canonsburg, assignor to The Standard Chemical Company, Pittsburgh, Pa. Separating vanadium from uranium. No. 1,050,796; Jan. 21; Gaz. vol. 186; p. 570.
- Bleecker, Warren F., Canonsburg, assignor to The Standard Chemical Company, Pittsburgh, Pa. Extracting values from ores. No. 1,065,581; June 24; Gaz. vol. 191; p. 924.
- Bleecker, Warren F., Canonsburg, assignor to The Standard Chemical Company, Pittsburgh, Pa. Purifying vanadium. No. 1,065,582; June 24; Gaz. vol. 191; p. 925.
- Bleecker, Warren F., Canonsburg, assignor to The Standard Chemical Company, Pittsburgh, Pa. Extracting values from ores. No. 1,068,730; July 29; Gaz. vol. 192; p. 1109.
- Bleiker, John, San Francisco, assignor of one-half to E. Kohler, Alameda, Cal. Amusement device. No. 1,058,536; Apr. 8; Gaz. vol. 189; p. 437.
- Bleistein, George. (See Huebner, William C., assignor.)
- Blemer, Charles H. (See Boller, Blemer, and Clement.)
- Blemer, Charles H., *et al.* (See Boller and Clement, assignors.)
- Blenz, Jacob. (See Morgenstein and Blenz.)
- Bless, James F., Newark, N. J. Gas sad-iron. No. 1,058,347; Apr. 8; Gaz. vol. 189; p. 372.
- Blessing, John G., assignor to Automatic Electric Company, Chicago, Ill. Telephone system. No. 1,075,007; Oct. 7; Gaz. vol. 195; p. 143.
- Blessing, Louis, Jackson, Mich. Stamp-canceling machine. No. 1,053,350; Feb. 18; Gaz. vol. 187; p. 592.
- Blessing, Louis, Jackson, Mich. Rail-joint. No. 1,053,351; Feb. 18; Gaz. vol. 187; p. 592.
- Blessing, Louis, Jackson, Mich. Railway-tie. No. 1,071,291; Aug. 26; Gaz. vol. 193; p. 854.
- Blevans, Richard S., Victor, Colo. Trap hen's nest. No. 1,071,201; Aug. 26; Gaz. vol. 193; p. 823.
- Blevins, Christopher D., assignor of one-half to C. B. Tharp, Richmond, Ky. Distributing-tank. No. 1,055,602; Mar. 11; Gaz. vol. 188; p. 354.
- Blevney, John C., Newark, N. J. Grinding and polishing machine. No. 1,052,453; Feb. 11; Gaz. vol. 187; p. 241.
- Blevney, John C., Newark, N. J. Caster. No. 1,052,454; Feb. 11; Gaz. vol. 187; p. 242.
- Blevney, John C., Newark, N. J. Polishing-machine. No. 1,052,455; Feb. 11; Gaz. vol. 187; p. 242.
- Bley, Georg, assignor to Hamburg-Amerikanische Uhrenfabrik, Schramberg, Wurttemberg, Germany. Alarm-clock. No. 1,067,397; July 15; Gaz. vol. 192; p. 581.
- Blick, Michael G., Chicago, Ill. Trench-digger. No. 1,080,250; Dec. 2; Gaz. vol. 197; p. 116.
- Blinn, Joseph S., New Haven, Conn. Garter-clasp. No. 1,067,299; July 15; Gaz. vol. 192; p. 549.
- Bliss, Donald M., Orange, N. J. Vibrating-record phonograph. No. 1,076,741; Oct. 28; Gaz. vol. 195; p. 853.
- Bliss, Donald M., assignor to Thomas A. Edison, Incorporated, West Orange, N. J. Alternating-current rectifier. No. 1,064,434; June 10; Gaz. vol. 191; p. 469.
- Bliss, William L., Niagara Falls, assignor to The United States Light & Heating Company, New York, N. Y. Continuous foot-cap. No. 1,071,869; Sept. 2; Gaz. vol. 194; p. 69.
- Bliss, William L., Niagara Falls, assignor to The United States Light & Heating Company, New York, N. Y. Resistance unit. No. 1,073,320; Sept. 16; Gaz. vol. 194; p. 639.
- Blizard, Jackson, Des Moines, Iowa, and W. U. Colthar, assignors to The Star Tool Manufacturing Company, Springfield, Ohio. Printer's square. No. 1,053,083; Feb. 11; Gaz. vol. 187; p. 456.
- Bloch, Charles E., California, Mo. Pencil-sharpener. No. 1,080,411; Dec. 2; Gaz. vol. 197; p. 175.
- Bloch, David. (See Burns, John A., assignor.)
- Bloch, Joseph, New York, N. Y. Combined buckle and box. No. 1,061,954; May 13; Gaz. vol. 190; p. 509.
- Bloch, Sigbert. (See Krüger, Ernst A., assignor.)
- Blochmann, Ernst, Bitterfeld, assignor to Luft-Fahrzeug-Gesellschaft m. b. H., Berlin, Germany. Suspension of the cars of airships. No. 1,074,830; Oct. 7; Gaz. vol. 195; p. 82.
- Block, Alexander E., St. Louis, Mo. Arch-support. No. 1,061,353; May 13; Gaz. vol. 190; p. 306.
- Block, E. (See Sharpneck, Matthew C., assignor.)
- Block, Herman W. (See Desbecker, Harold C., assignor.)
- Block, Leah E. (See Block, Louis, assignor.)
- Block Light Co., The. (See Risinger, Frank V., assignor.)
- Block, Louis, Mamaroneck, N. Y. Condensing ammonia. No. 1,056,144; Mar. 18; Gaz. vol. 188; p. 572.
- Block, Louis, assignor to L. E. Block, New York, N. Y. Commode-disinfectant. No. 1,049,559; Jan. 7; Gaz. vol. 186; p. 83.
- Block, Louis, assignor to L. E. Block, New York, N. Y. Disinfectant. No. 1,050,797; Jan. 21; Gaz. vol. 186; p. 570.
- Block, Louis C., *et al.* (See Snyder, William H., assignor.)
- Block, Moses L. (See Lamplugh, Augustus R., assignor.)
- Blockburger, John L., Chicago, Ill. Automatic motor-stopping device. No. 1,079,324; Nov. 25; Gaz. vol. 196; p. 811.
- Blocksom, Samuel, Marion, Ohio. Adjustable boring-head. No. 1,066,878; July 8; Gaz. vol. 192; p. 367.
- Blodgett, Charles L., Oakland, Cal. Clothes-line supporter. No. 1,053,268; Feb. 18; Gaz. vol. 187; p. 563.
- Blofield, Arthur E., and J. J. Link, New York, N. Y. Bed-covering. No. 1,061,259; May 13; Gaz. vol. 190; p. 274.
- Blom, John H. (See Guy and Blom.)
- Blomberg, Adolph R., Kittery, Me., assignor of one-half to A. C. Barr, Manchester, N. H. Extension-table. No. 1,057,114; Mar. 25; Gaz. vol. 188; p. 935.
- Blomfeldt and Rapp Company. (See Balcker, Martin, assignor.)
- Blomquist, Edward. (See Williams, John B., assignor.)
- Blomstrom, Victor K., Escanaba, Mich. Chain-fastening. No. 1,059,520; Apr. 22; Gaz. vol. 189; p. 850.
- Blonck, William A., Chicago, Ill. Furnace-meter. No. 1,055,255; Mar. 4; Gaz. vol. 188; p. 200.
- Blondiau, Jules, Braine-le-Comte, Belgium. Filter for wells and other purposes. No. 1,063,006; May 27; Gaz. vol. 190; p. 942.
- Blong, John, Fort Atkinson, Iowa. Traction-wheel. No. 1,057,405; Apr. 1; Gaz. vol. 189; p. 5.
- Blood, Burr B., Chicago, Ill. Attaching device. No. 1,066,578; July 8; Gaz. vol. 192; p. 265.
- Blood, George W. (See Webber and Blood.)
- Blood, Joseph W., Minneapolis, Minn. Damper. No. 1,065,023; June 17; Gaz. vol. 191; p. 698.
- Blood, Orrin E., East Las Vegas, N. Mex. Bag-holder. No. 1,078,083; Nov. 11; Gaz. vol. 196; p. 320.
- Bloom, Frank S., Burlington, Iowa. Weather-strip. No. 1,082,675; Dec. 30; Gaz. vol. 197; p. 1073.
- Bloom, John. (See Engstrom and Bloom.)
- Bloom, William O., Worcester, Mass. Sanitary tooth-brush holder. No. 1,049,654; Jan. 7; Gaz. vol. 186; p. 116.
- Bloomberg, Herbert L., Richmond, Va. Carton for display of merchandise. No. 1,064,813; June 17; Gaz. vol. 191; p. 630.
- Bloomer, Charles T., Newark, N. Y. Paper vessel. No. 1,053,560; Feb. 18; Gaz. vol. 187; p. 664.
- Bloomer, Charles T., Newark, N. Y. Paper vessel. No. 1,053,561; Feb. 18; Gaz. vol. 187; p. 664.
- Bloomer, Charles T., Newark, N. Y. Paper vessel. No. 1,053,562; Feb. 18; Gaz. vol. 187; p. 665.
- Bloomer, Charles T., Newark, N. Y. Paper receptacle. No. 1,071,388; Aug. 26; Gaz. vol. 193; p. 888.
- Bloomer, Charles T., Newark, N. Y. Paper receptacle. No. 1,081,264; Dec. 9; Gaz. vol. 197; p. 493.
- Bloomer, Charles T., Newark, N. Y. Paper vessel. No. 1,082,729; Dec. 30; Gaz. vol. 197; p. 1091.
- Bloomington, Henry, San Francisco, Cal. Reamer attachment for die-stocks. No. 1,052,308; Feb. 4; Gaz. vol. 187; p. 158.

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- Blose, Charles S., Palmerton, Pa. Two-cycle gas-engine. No. 1,073,086; Sept. 16; Gaz. vol. 194; p. 556.
- Bloss, Ernest F., Cleveland, Ohio. Treating animal-heads. No. 1,059,339; Apr. 22; Gaz. vol. 189; p. 788.
- Bloss, Ernest F., Cleveland, Ohio. Producing edible lard from hog-middles. No. 1,063,107; May 27; Gaz. vol. 190; p. 975.
- Bloss, William G., Los Angeles, Cal. Irrigation system. No. 1,077,869; Nov. 4; Gaz. vol. 196; p. 215.
- Blosser, Joseph W., Atlanta, Ga. Destroying insects and their eggs. No. 1,061,443; May 13; Gaz. vol. 190; p. 336.
- Blosser, Joseph W., Atlanta, Ga. Making cigarettes. No. 1,066,579; July 8; Gaz. vol. 192; p. 265.
- Blosser, Joseph W., Atlanta, Ga. Vaporizer and inhaler. No. 1,071,389; Aug. 26; Gaz. vol. 193; p. 888.
- Blouin, Joseph L. G. (See Vosburgh and Blouin.)
- Blount, A. L., *et al.* (See Blount, Lewis, assignor.)
- Blount, Francis M., Noma, Fla. Press for enlarging holes. No. 1,082,793; Dec. 30; Gaz. vol. 197; p. 1114.
- Blount, Irving, New York, N. Y. Ash-chute. No. 1,055,311; Mar. 11; Gaz. vol. 188; p. 257.
- Blount, Irving, New York, N. Y. Separator. No. 1,057,214; Mar. 25; Gaz. vol. 188; p. 969.
- Blount, Irving, New York, N. Y. Separator. No. 1,063,322; June 3; Gaz. vol. 191; p. 51.
- Blount, Irving, New York, N. Y. Perculator. No. 1,063,951; June 10; Gaz. vol. 191; p. 301.
- Blount, Irving, Brooklyn, N. Y. Apparatus for removing liquids from solid material. No. 1,056,495; Mar. 18; Gaz. vol. 188; p. 691.
- Blount, Lewis, assignor of one-third to A. L. Blount and one-third to T. B. Wilkinson, Denmark, S. C. Merry-ground. No. 1,070,105; Aug. 12; Gaz. vol. 193; p. 379.
- Blow, Robert F., and G. W. Sandiford, assignors of nine twenty-fourths to P. P. Lockling, three twenty-fourths to J. Markstein, one twenty-fourth to W. C. Baumhauer, and one twenty-fourth to J. Rubel, Mobile, Ala. Temperature-register for cars. No. 1,081,200; Dec. 9; Gaz. vol. 197; p. 470.
- Blowers, Alonzo S., Portland, Ind. Electric hoist. No. 1,082,398; Dec. 23; Gaz. vol. 197; p. 943.
- Blue, Arthur L., New York, N. Y. Proof-press. No. 1,079,325; Nov. 25; Gaz. vol. 196; p. 811.
- Blue, Harvey B. (See Hills, Ernest E., assignor.)
- Bluh, Charles G., New York, N. Y. Safety-razor. No. 1,061,159; May 6; Gaz. vol. 190; p. 204.
- Blum, Hosmer L. (See Miller and Blum.)
- Blum, Joseph, New York, N. Y. Combination-tool. No. 1,068,731; July 29; Gaz. vol. 192; p. 1109.
- Blumberg, David, *et al.* (See Saltman, Philip, assignor.)
- Blumberg, Hyman, assignor of one-half to J. Sadowske, Baltimore, Md. Pocket for garments. No. 1,067,212; July 8; Gaz. vol. 192; p. 482.
- Blumenthal, Ferdinand. (See Liebknecht and Blumenthal.)
- Blumenthal, Louis, Brooklyn, N. Y. Combination mirror and picture frame. No. 1,058,348; Apr. 8; Gaz. vol. 189; p. 373.
- Blumenthal, Maurice, Brooklyn, N. Y. Means for detaching obstructions from electric, telephone, and other cable conduits. No. 1,080,251; Dec. 2; Gaz. vol. 197; p. 117.
- Blumke, August, *et al.* (See Winkler, Oscar S., assignor.)
- Blunck, Robert A., Grand Mound, Iowa. Stalk-cutter. No. 1,081,201; Dec. 9; Gaz. vol. 197; p. 471.
- Blunk, Richard, Wesel, Germany. Surgical tweezers. No. 1,053,149; Feb. 18; Gaz. vol. 187; p. 523.
- Blush, J. D., *et al.* (See Buttress, George, assignor.)
- Blymyer, Lafayette W., Los Angeles, Cal. Automobile transmission. No. 1,062,876; May 27; Gaz. vol. 190; p. 899.
- Blystone, Lawrence G., Cambridge Springs, Pa. Friction-clutch. No. 1,064,435; June 10; Gaz. vol. 191; p. 469.
- Blystone, William R., Greensburg, Pa. Vehicle suspension. No. 1,052,648; Feb. 11; Gaz. vol. 187; p. 307.
- Blythe, William D. (See Jones and Blythe.)
- Boal, Thomas H., Philadelphia, Pa. Type-writer support. No. 1,061,896; May 13; Gaz. vol. 190; p. 488.
- Board, George A., Plum Bayou, Ark. Stalk-cutting attachment for plows. No. 1,059,822; Apr. 22; Gaz. vol. 189; p. 949.
- Boardman, Arthur F., Arlington, assignor of one-half to himself, and one-half to J. R. Murphy, Boston, Mass. Search-call apparatus. No. 1,079,467; Nov. 25; Gaz. vol. 196; p. 860.
- Boardman, Henry, Des Moines, Iowa. Fighting-cock toy. No. 1,068,210; July 22; Gaz. vol. 192; p. 890.
- Boardman, Henry, Des Moines, Iowa. Spring-wheel. No. 1,075,688; Oct. 14; Gaz. vol. 195; p. 406.
- Boardman, Robert O., Grand Rapids, Mich., assignor to Mergenthaler Linotype Company. Typographical composing-machine. No. 1,075,137; Oct. 7; Gaz. vol. 195; p. 189.
- Boardman, Robert O., Grand Rapids, Mich., assignor to Mergenthaler Linotype Company. Typographical machine. No. 1,075,138; Oct. 7; Gaz. vol. 195; p. 189.
- Boardman, Robert O., Grand Rapids, Mich., assignor to Mergenthaler Linotype Company. Typographical machine. No. 1,076,187; Oct. 21; Gaz. vol. 195; p. 604.
- Boardman, Robert O., Grand Rapids, Mich., assignor to Mergenthaler Linotype Company. Line-casting machine. No. 1,076,478; Oct. 21; Gaz. vol. 195; p. 707.
- Boardman, Robert O., Grand Rapids, Mich., assignor to Mergenthaler Linotype Company. Line-casting machine. No. 1,081,806; Dec. 16; Gaz. vol. 197; p. 712.
- Boatright, Charles R., San Francisco, Cal. Life-preserver. No. 1,053,472; Feb. 18; Gaz. vol. 187; p. 633.
- Boatright, William L., Glendale, and A. E. Murphy, Columbia, Tenn. Gang-plow. No. 1,054,499; Feb. 25; Gaz. vol. 187; p. 1021.
- Boatwright, Louis, Paducah, Ky. Oil-burner. No. 1,075,396; Oct. 14; Gaz. vol. 195; p. 307.
- Boberg, Arthur A. (See Olson and Boberg.)
- Bobbett, Kinderman M., Toledo, Ohio. Radiator. No. 1,053,269; Feb. 18; Gaz. vol. 187; p. 563.
- Bobo, John W. (See Dabbs, Joseph E., assignor.)
- Bochmann, Hermann H., Holstein, Iowa. Driving mechanism. No. 1,060,528; Apr. 29; Gaz. vol. 189; p. 1233.
- Bock, Alfred C. O., Brooklyn, N. Y., assignor to The Yale & Towne Manufacturing Company, Stamford, Conn. Automatic-locking dead-lock. No. 1,074,597; Oct. 7; Gaz. vol. 195; p. 3.
- Bock, Alfred C. O., assignor of one-third to J. J. Donnellan and one-third to J. L. Donnellan, Brooklyn, N. Y. Coin-counting machine. No. 1,080,533; Dec. 9; Gaz. vol. 197; p. 247.
- Bock, Charles de, Zele, Belgium. Sterilizing apparatus. No. 1,052,210; Feb. 4; Gaz. vol. 187; p. 127.
- Bock, Charles de, Zele, near Dendermonde, Belgium. Sterilizing milk. No. 1,074,315; Sept. 30; Gaz. vol. 194; p. 1028.
- Bock, Emil H., Berlin, assignor to A. Richter, Charlottenburg, Germany. Alarm, signaling, and controlling device. No. 1,078,410; Nov. 11; Gaz. vol. 196; p. 436.
- Bock, Henry L., assignor to W. E. Bock, Toledo, Ohio. Crank-shaft. No. 1,063,323; June 3; Gaz. vol. 191; p. 51.
- Bock, William E. (See Bock, Henry L., assignor.)
- Bock, William E., assignor, by mesne assignments, to The Toledo Glass Company, Toledo, Ohio. Glass-blowing machine. No. 1,063,108; May 27; Gaz. vol. 190; p. 975.
- Böcker, Jacob, Caster, near Bedburg, assignor of one-half to T. Wassenberg, Elsen, near Grevenbroich, Germany. Beet-harvester. No. 1,060,968; May 6; Gaz. vol. 190; p. 141.
- Böcker, Jacob, Caster, near Bedburg, assignor of one-half to T. Wassenberg, Elsen, near Grevenbroich, Germany. Beet-harvester. No. 1,069,380; Aug. 5; Gaz. vol. 193; p. 103.
- Bockmühl, Max, and G. Ebert, assignors to Farbwerke vorm. Meister Lucius & Brüning, Höchst-on-the-Main, Germany. Alkylsulfites of amino-substituted pyrazolones and making same. No. 1,056,881; Mar. 25; Gaz. vol. 188; p. 854.
- Bocorselski, Frank E., Richmond, Va. Metal-cutting tool. No. 1,068,211; July 22; Gaz. vol. 192; p. 890.
- Bocorselski, Frank E., and C. K. Lassiter, Richmond, Va. Binding-post. No. 1,061,809; May 13; Gaz. vol. 190; p. 460.
- Bocskay, Paul. (See Kimmel and Bocskay.)
- Bocuz, Jean M., Lyon, France. Electric furnace. No. 1,053,563; Feb. 18; Gaz. vol. 187; p. 665.
- Bodascher, Bernhard, Vienna, Austria-Hungary. Device for making coffee, tea, or the like. No. 1,068,212; July 22; Gaz. vol. 192; p. 891.
- Boddeker, James A., and J. E. Stratford, assignors to G. Sealy, Galveston, Tex. Floor-sweeping compound. No. 1,057,923; Apr. 1; Gaz. vol. 189; p. 181.
- Bode, Peter J., St. Louis, Mo. Flexible hollow joint. No. 1,064,283; June 10; Gaz. vol. 191; p. 416.
- Boden, Edmund P., Santa Clara, Cal. Stump-extractor. No. 1,075,008; Oct. 7; Gaz. vol. 195; p. 143.
- Boden, George, Watertown, assignor to Oakville Company, Waterbury, Conn. Attaching device. No. 1,055,440; Mar. 11; Gaz. vol. 188; p. 302.
- Bodenhof, Ferdinand, New York, N. Y. Loose-leaf binder. No. 1,061,897; May 13; Gaz. vol. 190; p. 488.
- Bodette, William, Empire, Canal Zone. Wheel rail-clamp. No. 1,060,529; Apr. 29; Gaz. vol. 189; p. 1234.
- Bodie, Josiah W., Greenwood, S. C. Grass and weed destroyer. No. 1,054,742; Mar. 4; Gaz. vol. 188; p. 30.
- Bodie, Josiah W., Greenwood, S. C. Device for braking railway-cars. No. 1,078,031; Nov. 11; Gaz. vol. 196; p. 303.
- Bodin, Carl S. (See Berghmark, Carl S., assignor.)
- Bodine, William I., assignor to United Iron Works Company, Springfield, Mo. Refrigerating apparatus. No. 1,068,623; July 29; Gaz. vol. 192; p. 1072.
- Bodker, Albert J. and W. H., Ponchatoula, La. Collapsible crate. No. 1,064,601; June 10; Gaz. vol. 191; p. 524.
- Bodker, William H. (See Bodker, Albert J. and W. H.)
- Bodkin, John A., New York, N. Y. Insulated rail-joint. No. 1,057,406; Apr. 1; Gaz. vol. 189; p. 5.
- Bodkin, John A., New York, N. Y. Insulated rail-joint. No. 1,072,563; Sept. 9; Gaz. vol. 194; p. 334.
- Bodle, David T., Gaylord, Kans. Chaffing-screen. No. 1,068,302; July 22; Gaz. vol. 192; p. 923.

Alphabetical list of patentees—Continued.

- Bodley, William S., assignor to Sunlight Double Glass Sash Company, Inc., Louisville, Ky. Sash for hotbeds and other purposes. No. 1,079,631; Nov. 25; Gaz. vol. 196; p. 917.
- Bodmer, Christian. (See Burdick and Bodmer.)
- Bodmer, Christian, and J. M. Burdick, assignors to The Stanley Rule & Level Company, New Britain, Conn. Plane. No. 1,053,270; Feb. 18; Gaz. vol. 187; p. 564.
- Bodmer, Christian, and J. M. Burdick, assignors to The Stanley Rule & Level Company, New Britain, Conn. Plane-cap. No. 1,069,669; Aug. 12; Gaz. vol. 193; p. 229.
- Bodmer, Christian, and E. A. Schade, assignors to The Stanley Rule & Level Company, New Britain, Conn. Folding-rule joint. No. 1,080,192; Dec. 2; Gaz. vol. 197; p. 95.
- Bodmer, Ernst. (See De la Harpe and Bodmer.)
- Bodmer, Ernst, and C. De la Harpe, assignors to Dye Works formerly L. Durand, Huguenin & Co., Basel, Switzerland. Yellow to red mordant dyestuffs and making same. No. 1,055,864; Mar. 11; Gaz. vol. 188; p. 443.
- Body, James H., and F. T. Leftwich, assignors of one-third to F. West, Roanoke, Va. Railway-signal. No. 1,060,311; Apr. 29; Gaz. vol. 189; p. 1158.
- Bodyfield, John W., Hot Springs, Ark. Gas-generator. No. 1,074,042; Sept. 23; Gaz. vol. 194; p. 908.
- Boeck, Percy A., assignor to Norton Company, Worcester, Mass. Porous article. No. 1,081,573; Dec. 16; Gaz. vol. 197; p. 634.
- Boeck, Percy A., assignor to Norton Company, Worcester, Mass. Filtering apparatus for laboratory use. No. 1,081,574; Dec. 16; Gaz. vol. 197; p. 634.
- Boeck, Peter M., assignor to The Malleable Steel Range Manufacturing Co., South Bend, Ind. Pilot-lighter. No. 1,073,321; Sept. 16; Gaz. vol. 194; p. 639.
- Boecker, Olof, Wilmersdorf, near Berlin, Germany. Support for small-arms. No. 1,072,203; Sept. 2; Gaz. vol. 194; p. 182.
- Boecker, Olof, Berlin-Wilmersdorf, Germany. Sight for guns. No. 1,078,411; Nov. 11; Gaz. vol. 196; p. 436.
- Boeckman, Henry J., *et al.* (See Lancaster, Corbon H. E., assignor.)
- Boeh, Charles J., Ambridge, Pa. Garment-hanger. No. 1,066,369; July 1; Gaz. vol. 192; p. 163.
- Boehler, Charles H. (See Windsor and Boehler.)
- Boehler, William H., Tiffin, Ohio. Focusing attachment for cameras. No. 1,070,005; Aug. 12; Gaz. vol. 193; p. 345.
- Boehm, Christopher, assignor of one-tenth to T. W. Schimpf and J. M. Sheen, Atlantic City, N. J. Spraying device. No. 1,052,211; Feb. 4; Gaz. vol. 187; p. 127.
- Boehm, Oscar A., New York, N. Y. Rack for towels and similar articles. No. 1,072,204; Sept. 2; Gaz. vol. 194; p. 183.
- Boehmler, George, Philadelphia, Pa. Can-closure. No. 1,068,965; July 29; Gaz. vol. 192; p. 1193.
- Boehringer, Rudolph, Plainfield, N. J., and A. E. Gessler, Clifton, Staten Island, N. Y. Production of metallate silicate. No. 1,050,204; Jan. 14; Gaz. vol. 186; p. 333.
- Boehringer & Soehne, C. F. (See Ach and Rothmann, assignors.)
- Boehringer & Soehne, C. F. (See Skita, Aladar, assignor.)
- Boekenkamp, Edward, assignor to American Stove Company, St. Louis, Mo. Blue-flame wick-stove. No. 1,074,688; Oct. 7; Gaz. vol. 195; p. 36.
- Boelter, Herman J., Litchville, N. D. Colter-cleaner. No. 1,080,677; Dec. 9; Gaz. vol. 197; p. 294.
- Boenker, Henry H., St. Charles, Mo. Agricultural implement. No. 1,051,801; Jan. 28; Gaz. vol. 186; p. 945.
- Boenker, Henry H., St. Charles, Mo. Agricultural implement. No. 1,064,045; June 10; Gaz. vol. 191; p. 334.
- Boerman, John P. (See Pitts and Boerman.)
- Boerner, Hermann, assignor to F. R. Cornwall, St. Louis, Mo. Street-car advertising apparatus. No. 1,061,260; May 13; Gaz. vol. 190; p. 274.
- Boero, Joseph, New York, N. Y. Stay-bolt for boilers. No. 1,050,097; Jan. 14; Gaz. vol. 186; p. 299.
- Boeske, Paul O., Manton, R. I. Air-regulator for organs. No. 1,074,486; Sept. 30; Gaz. vol. 194; p. 1084.
- Boesner, Emma, Longeville, near Metz, Germany. Belt-drive. No. 1,053,564; Feb. 18; Gaz. vol. 187; p. 666.
- Boesser, Frederick, Perth, Western Australia, Australia. Turbine-washer for drinking-glasses and other vessels. No. 1,051,669; Jan. 28; Gaz. vol. 186; p. 903.
- Boettcher, Frank, Bonduel, Wis. Cattle-stanchion. No. 1,071,136; Aug. 26; Gaz. vol. 193; p. 802.
- Bogani, Arthur H., Jersey City, N. J., and W. E. Sheehan, Albany, N. Y. Endless felt. No. 1,062,877; May 27; Gaz. vol. 190; p. 900.
- Bogart, Levi W., Trail, Okla. Driving mechanism for automobiles. No. 1,059,109; Apr. 15; Gaz. vol. 189; p. 673.
- Bogdanffy, Alexander, New York, assignor to The International Cork Co., Brooklyn, N. Y. Finishing the ends of corks. No. 1,049,983; Jan. 7; Gaz. vol. 186; p. 224.
- Bogdanffy, Alexander, New York, assignor to International Cork Company, Brooklyn, N. Y. Machine for the manufacture of bottle-closures. No. 1,053,565; Feb. 18; Gaz. vol. 187; p. 666.
- Bogdanffy, Alexander, New York, assignor to International Cork Company, Brooklyn, N. Y. Manufacturing bottle-closures. No. 1,053,898; Feb. 18; Gaz. vol. 187; p. 777.
- Bogdanffy, Alexander, New York, assignor to International Cork Co., Brooklyn, N. Y. Feeding attachment for crown-cork-making machines. No. 1,055,126; Mar. 4; Gaz. vol. 188; p. 160.
- Bogdanffy, Alexander, New York, assignor to International Cork Co., Brooklyn, N. Y. Cork-disk-cutting machine. No. 1,066,986; July 8; Gaz. vol. 192; p. 405.
- Bogdanffy, Alexander, assignor to The International Cork Co., New York, N. Y. Machine for the manufacture of bottle-closures. No. 1,068,850; July 29; Gaz. vol. 192; p. 1153.
- Bogdanffy, Alexander, New York, assignor to The International Cork Company, Brooklyn, N. Y. Manufacturing bottle-closures. No. 1,075,186; Oct. 7; Gaz. vol. 195; p. 206.
- Boger, Otto H., Chicago, Ill. Window-guard. No. 1,055,127; Mar. 4; Gaz. vol. 188; p. 160.
- Boggs, Kirkwood A., Fort Dodge, Iowa. Oiler. No. 1,080,320; Dec. 2; Gaz. vol. 197; p. 140.
- Bognar, Frank W., Williamsport, Pa. Garment-stretcher. No. 1,072,690; Sept. 9; Gaz. vol. 194; p. 377.
- Bogusch, Emil G., assignor of one-half to M. D. Slator, Llano, Tex. Internal-combustion engine. No. 1,077,033; Oct. 28; Gaz. vol. 195; p. 956.
- Bohacek, Paul, assignor to Maschinenfabrik Moenus A.-G., Frankfort-on-the-Main, Germany. Leather-staking machine. No. 1,074,348; Sept. 30; Gaz. vol. 194; p. 1039.
- Bohan, William J., St. Paul, Minn. Equipment for round-houses. No. 1,080,193; Dec. 2; Gaz. vol. 197; p. 96.
- Bohannon, Robert S., and N. Dugger, Ensley, Ala. Rail-joint. No. 1,077,253; Nov. 4; Gaz. vol. 196; p. 4.
- Bohannon, A. G., *et al.* (See Martin and Flowers, assignors.)
- Bohannon, John O., and D. P. Page, Birmingham, Ala. Emergency release-valve. No. 1,065,659; June 24; Gaz. vol. 191; p. 951.
- Boher, Annie L., Chicago, Ill. Stormproof veil. No. 1,076,809; Oct. 28; Gaz. vol. 195; p. 877.
- Bohl, Alfred J. (See Yeo and Bohl.)
- Bohlender, Edward, Pekin, Ill. Ankle-joint for artificial limbs. No. 1,053,352; Feb. 18; Gaz. vol. 187; p. 593.
- Bohlender, George J., Melvin, Ill. Trap. No. 1,068,303; July 22; Gaz. vol. 192; p. 923.
- Bohm, Andrew, Morristown, N. J. Paper-hanger's implement. No. 1,051,544; Jan. 28; Gaz. vol. 186; p. 861.
- Bohm, Andrew, Morristown, N. J. Shock-absorber for automobiles. No. 1,057,030; Mar. 25; Gaz. vol. 188; p. 907.
- Bohman, Elfrida, Rock Island, Ill. Coffee or tea pot. No. 1,079,830; Nov. 25; Gaz. vol. 196; p. 987.
- Böhme, Carl, San Francisco, Cal. Oil-burner tip. No. 1,051,069; Jan. 21; Gaz. vol. 186; p. 667.
- Bohn, Gebhard C., St. Paul, Minn. Refrigerator-car. No. 1,058,695; Apr. 8; Gaz. vol. 189; p. 490.
- Bohn, Gebhard C., St. Paul, Minn. Refrigerator-car. No. 1,061,974; May 20; Gaz. vol. 190; p. 557.
- Bohn, René, Mannheim, assignor to Badische Anilin & Soda Fabrik, Ludwigshafen-on-the-Rhine, Germany. Pigment and making the same. No. 1,055,701; Mar. 11; Gaz. vol. 188; p. 388.
- Bohn, René, and P. Nawlasky, Mannheim, assignors to Badische Anilin & Soda Fabrik, Ludwigshafen-on-the-Rhine, Germany. Gray to black shades on vegetable fiber and producing them. No. 1,066,987; July 8; Gaz. vol. 192; p. 405.
- Bohrmann, William C., San Francisco, Cal. Making poultry feed. No. 1,057,215; Mar. 25; Gaz. vol. 188; p. 970.
- Boice, Augusten. (See Wheeler, James F., assignor.)
- Boileau, Aimé. (See Richard, Thomas, assignor.)
- Boissier, Hermann R., Great Neck, N. Y. Mounting for printing-rolls on electrodepositing-tanks. No. 1,055,512; Mar. 11; Gaz. vol. 188; p. 325.
- Boivin, Joseph, assignor of one-third to R. Gaede and one-third to G. W. Renkle, Paterson, N. J. Toilet article. No. 1,049,441; Jan. 7; Gaz. vol. 186; p. 42.
- Bokop, Henry D., Defiance, Ohio. Crate. No. 1,068,038; July 22; Gaz. vol. 192; p. 832.
- Bokop, Henry D., Defiance, Ohio. Box-section. No. 1,068,304; July 22; Gaz. vol. 192; p. 923.
- Bolam, Thomas H., West Ealing, and S. N. Barnard, Puckeridge, Ware, England. Kinematographic apparatus. No. 1,076,404; Oct. 21; Gaz. vol. 195; p. 680.
- Boland, Frederick W., and A. D. Alexander, Pittsburgh, Pa. Drawing apparatus. No. 1,050,605; Jan. 14; Gaz. vol. 186; p. 474.
- Boland, John, Culebra, Canal Zone. Hat-pin retainer. No. 1,075,689; Oct. 14; Gaz. vol. 195; p. 406.
- Boland, Joseph, Pittsburgh, Pa. Shock-absorber. No. 1,062,320; May 20; Gaz. vol. 190; p. 675.

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- Boland, Philip P., Eureka, Mo. Combined ground harrow and roller. No. 1,073,952; Sept. 23; Gaz. vol. 194; p. 879.
- Boland, Ransome G. (See Rutledge and Boland.)
- Boland, William J., Buffalo, N. Y. Water-heater. No. 1,050,911; Jan. 21; Gaz. vol. 186; p. 614.
- Bolde, Henry, New York, N. Y., assignor to The Meyrowitz Manufacturing Co. Trifocal lens. No. 1,082,491; Dec. 30; Gaz. vol. 197; p. 1006.
- Boldizs, Mike, Sterling, Ill. Lock. No. 1,077,120; Oct. 28; Gaz. vol. 195; p. 983.
- Boldizzoni, Teobaldo, New York, assignor of one-half to L. Bujese, Brooklyn, N. Y. Fire-escape apparatus. No. 1,060,969; May 6; Gaz. vol. 190; p. 141.
- Bole, Robert E., assignor of one-half to E. Double, Los Angeles, Cal. Underreamer. No. 1,080,135; Dec. 2; Gaz. vol. 197; p. 76.
- Bole, Samuel T., assignor to The J. G. Brill Company, Philadelphia, Pa. Recording instrument. No. 1,068,213; July 22; Gaz. vol. 192; p. 891.
- Bole, William A. (See Hodgkinson and Bole.)
- Bolens, Harry W., Port Washington, Wis. Make-and-break igniter. No. 1,073,087; Sept. 16; Gaz. vol. 194; p. 556.
- Bolens, Harry W., Port Washington, Wis. Internal-combustion engine. No. 1,081,946; Dec. 23; Gaz. vol. 197; p. 786.
- Boles, Christopher C., Saginaw, Mich. Level. No. 1,057,924; Apr. 1; Gaz. vol. 189; p. 181.
- Boles, Edgar E., Carrollton, Mo. Hot-air register. No. 1,063,645; June 3; Gaz. vol. 191; p. 165.
- Boley, John D. (See Fairall, Boley, and Cleghorn.)
- Bolger, Robert S. (See Markert and Bolger.)
- Boligiano, John, assignor to The American Furnace Device Co., Baltimore, Md. Furnace and drum therefor. No. 1,057,889; Mar. 25; Gaz. vol. 188; p. 1026.
- Bolin, Albert, Worcester, Mass. Curtain and shade fixture. No. 1,059,265; Apr. 15; Gaz. vol. 189; p. 726.
- Bolinder, Hilding, Lelina, Saskatchewan, Canada. Plowshare. No. 1,052,456; Feb. 11; Gaz. vol. 187; p. 243.
- Bolinger, James W., Sr., Disco, Ill. Railway-tie. No. 1,071,390; Aug. 26; Gaz. vol. 193; p. 888.
- Bolk, Frederik W., Pekalongan, Java. Mill adapted for the crushing of sugar-canes and the like. No. 1,074,159; Sept. 30; Gaz. vol. 194; p. 976.
- Boll, Charles L., Evansville, Ind. Protector for mail-box locks. No. 1,055,865; Mar. 11; Gaz. vol. 188; p. 443.
- Bollée, Amédée, fils, Le Mans, France. Valve-gear. No. 1,062,580; May 27; Gaz. vol. 190; p. 801.
- Bollensen, George S., assignor to Felt & Tarrant Manufacturing Company, Chicago, Ill. Adding-machine. No. 1,074,689; Oct. 7; Gaz. vol. 195; p. 37.
- Boller, George C., and S. K. Clement, assignors of one-fourth to C. H. Blemer and one-fourth to G. W. Bisbee, Loomis, Cal. Bulkhead for cars. No. 1,075,961; Oct. 14; Gaz. vol. 195; p. 498.
- Boller, George C., C. H. Blemer, and S. K. Clement, Loomis, assignors of one-fourth to G. W. Bisbee, Newcastle, Cal. Adjustable car-brace for cars. No. 1,049,655; Jan. 7; Gaz. vol. 186; p. 116.
- Boller, Joseph H., Woodbine, Iowa. Display-tray. No. 1,059,266; Apr. 15; Gaz. vol. 189; p. 726.
- Bölling, Friedrich, Frankfurt-on-the-Main, Germany. Electric resistance. No. 1,050,912; Jan. 21; Gaz. vol. 186; p. 614.
- Bollman, Leo G. (See Allen and Bollman.)
- Bolls, Virginia V., and E. R. Crooker, Los Angeles, Cal. Oven. No. 1,075,810; Oct. 14; Gaz. vol. 195; p. 447.
- Bolls, William W., Washington, D. C. Dental instrument. No. 1,063,109; May 27; Gaz. vol. 190; p. 976.
- Bolt, Calvin E., Ramsey, Ill. Road-drag. No. 1,080,252; Dec. 2; Gaz. vol. 197; p. 117.
- Boltless Rail Joint Company, The. (See Young, Jefferson D., assignor.)
- Bolton, Andrew, deceased; E. A. Bolton, executrix, Manchester, England. Steam-superheater. No. 1,073,844; Sept. 23; Gaz. vol. 194; p. 841.
- Bolton, Elizabeth A., executrix. (See Bolton, Andrew.)
- Bolton, Florence, Berkeley, assignor to W. Ellery, San Francisco, Cal. Woman's outing-suit. No. 1,076,264; Oct. 21; Gaz. vol. 195; p. 629.
- Bolton, George E. (See Lynch and Bolton.)
- Bolton, John T., New Haven, Conn., assignor of one-half to G. Grime, Fall River, Mass. Woven fabric. No. 1,059,521; Apr. 22; Gaz. vol. 189; p. 850.
- Boltz, Jacob W., Topeka, Kans. Music-leaf turner. No. 1,067,398; July 15; Gaz. vol. 192; p. 581.
- Bolus, Glenn H., assignor to The Ohio Brass Company, Mansfield, Ohio. Suspension-clamp. No. 1,073,658; Sept. 23; Gaz. vol. 194; p. 777.
- Bolz, Frank R., Somerville, Mass. Wardrobe-trunk. No. 1,076,479; Oct. 21; Gaz. vol. 195; p. 707.
- Boman, Claes W., Brooklyn, assignor to Eagle Pencil Company, New York, N. Y. Fountain-pen. No. 1,051,670; Jan. 28; Gaz. vol. 186; p. 904.
- Boman, Claes W., Brooklyn, assignor to Eagle Pencil Company, New York, N. Y. Fountain-pen. No. 1,051,671; Jan. 28; Gaz. vol. 186; p. 904.
- Boman, Claes W., Brooklyn, assignor to Eagle Pencil Company, New York, N. Y. Penholder. No. 1,067,713; July 15; Gaz. vol. 192; p. 689.
- Bombis, John, *et al.* (See Basinski, Ignac, assignor.)
- Bomenblit, Frank. (See Barry and Bomenblit.)
- Bomhoff, Waldemar, Wood Green, London, England. Brick-conveyer. No. 1,068,624; July 29; Gaz. vol. 192; p. 1072.
- Böminghaus, Franz, assignor to Fried. Krupp Aktiengesellschaft, Essen-on-the-Ruhr, Germany. Gun-elevating mechanism. No. 1,079,831; Nov. 25; Gaz. vol. 196; p. 987.
- Bommer, Emil, Brooklyn, N. Y. Door-holder. No. 1,061,592; May 13; Gaz. vol. 190; p. 391.
- Bommer, Emil, New York, N. Y. Spring-hinge. No. 1,062,217; May 20; Gaz. vol. 190; p. 640.
- Bomhardt, John A., *et al.* (See Bergens, William J., assignor.)
- Bonacker Brothers *et al.* (See Sweet, Edward J., assignor.)
- Bonaly, Louis F., Kickapoo township, Leavenworth county, Kans. Convertible wagon-box. No. 1,062,761; May 27; Gaz. vol. 190; p. 861.
- Bond, Benjamin L., and G. V. Karlson, Philadelphia, Pa. Attachment for gas pipes, burners, &c. No. 1,056,001; Mar. 18; Gaz. vol. 188; p. 523.
- Bond Bottle Sealing Company. (See Bond, Samuel C., assignor.)
- Bond, Charles E. (See Bond, Joseph T. and C. E.)
- Bond, Claud V., Los Angeles, Cal. Curtain-rod. No. 1,078,822; Nov. 18; Gaz. vol. 196; p. 609.
- Bond, Edgar T., Chicago, Ill. Foldable crate. No. 1,070,578; Aug. 19; Gaz. vol. 193; p. 584.
- Bond, Edgar T., Chicago, Ill. Foldable crate. No. 1,076,623; Oct. 21; Gaz. vol. 195; p. 759.
- Bond, Edgar T., Chicago, Ill. Foldable crate. No. 1,082,676; Dec. 30; Gaz. vol. 197; p. 1073.
- Bond, Frank F., assignor of one-third to F. A. Madge and one-third to C. B. Jenkins, Noblesville, Ind. Device for tempering wheat. No. 1,070,872; Aug. 19; Gaz. vol. 193; p. 680.
- Bond, Frederick A. (See Bond, William J. and F. A.)
- Bond, Joseph T., Spencerville, Md., assignor to Purity Paper Bottle Corporation, Washington, D. C. Machine for applying covers to receptacles. No. 1,050,606; Jan. 14; Gaz. vol. 186; p. 475.
- Bond, Joseph T., Spencerville, Md., assignor to Purity Paper Bottle Corporation, Washington, D. C. Means for paraffining closures or caps for paper receptacles. No. 1,053,701; Feb. 18; Gaz. vol. 187; p. 713.
- Bond, Joseph T., Spencerville, Md., assignor to Purity Paper Bottle Corporation, Washington, D. C. Machine for making paper receptacles. No. 1,053,702; Feb. 18; Gaz. vol. 187; p. 714.
- Bond, Joseph T. and C. E., Spencerville, Md., assignors to Purity Paper Bottle Corporation, Washington, D. C. Machine for making paper receptacles. No. 1,055,702; Mar. 11; Gaz. vol. 188; p. 388.
- Bond, Samuel C., Hollyoak, assignor to Bond Bottle Sealing Company, Wilmington, Del. Mold-filling machine. No. 1,059,267; Apr. 15; Gaz. vol. 189; p. 726.
- Bond, Samuel C., Hollyoak, assignor to Bond Bottle Sealing Company, Wilmington, Del. Disk-cutting machine. No. 1,059,268; Apr. 15; Gaz. vol. 189; p. 727.
- Bond, Samuel C., Hollyoak, assignor to Bond Bottle Sealing Company, Wilmington, Del. Machine for assembling bottle-closures or like articles. No. 1,063,324; June 3; Gaz. vol. 191; p. 52.
- Bond, William A., Lynnfield, Mass., assignor to United Shoe Machinery Company, Paterson, N. J. Lasting-machine. No. 1,055,256; Mar. 4; Gaz. vol. 188; p. 200.
- Bond, William A., Lynnfield, Mass., assignor to United Shoe Machinery Company, Paterson, N. J. Lasting-machine. No. 1,066,879; July 8; Gaz. vol. 192; p. 368.
- Bond, William C., Washington, D. C. Motor-cycle. No. 1,064,602; June 10; Gaz. vol. 191; p. 524.
- Bond, William J. and F. A., Clifton Heights, assignors of one-fifth to H. E. Johnson, Lansdowne, Pa. Aeroplane. No. 1,060,530; Apr. 29; Gaz. vol. 189; p. 1234.
- Bond, William J. and F. A., Clifton Heights, assignors of one-fifth to H. E. Johnson, Lansdowne, Pa. Folding pontoon. No. 1,060,531; Apr. 29; Gaz. vol. 189; p. 1235.
- Bonde, Edward, Los Angeles, Cal. Hat-pin protector. No. 1,067,637; July 15; Gaz. vol. 192; p. 663.
- Bondeson, Peter A., Minneapolis, Minn. Bread and toast cutting machine. No. 1,082,926; Dec. 30; Gaz. vol. 197; p. 1160.
- Bondy, James H., assignor of one-half to A. E. Wheeler, Great Falls, Mont. Pneumatic countersinking-machine. No. 1,059,428; Apr. 22; Gaz. vol. 189; p. 820.
- Bondy, James H., assignor of one-half to A. E. Wheeler, Great Falls, Mont. Pneumatic drilling-machine. No. 1,067,500; July 15; Gaz. vol. 192; p. 617.
- Bondy, Siegfried, assignor to K. Krupitschka, Vienna, Austria-Hungary. Elastic-fluid packing. No. 1,061,657; May 13; Gaz. vol. 190; p. 413.
- Bondy, Siegfried, assignor to K. Krupitschka, Vienna, Austria-Hungary. Gas-supply regulator for water-heaters. No. 1,067,458; July 15; Gaz. vol. 192; p. 602.

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- Boner, Johann, assignor to Badische Anilin & Soda Fabrik, Ludwigshafen-on-the-Rhine, Germany. Producing anthraquinone compounds. No. 1,083,051; Dec. 30; Gaz. vol. 197; p. 1200.
- Bonestell, Elizabeth, San Francisco, Cal. Heel-protecting device. No. 1,066,370; July 1; Gaz. vol. 192; p. 163.
- Bonham, George W., assignor to Helena Manufacturing Company, Helena, Okla. Tire-bolting machine. No. 1,078,084; Nov. 11; Gaz. vol. 196; p. 320.
- Bonham, Harry E., Dorranceton, Pa. Rotary engine. No. 1,082,843; Dec. 30; Gaz. vol. 197; p. 1130.
- Bonhomme, Joseph, Nice, France. Wireless apparatus for preventing collisions. No. 1,073,088; Sept. 16; Gaz. vol. 194; p. 556.
- Bonine, Charles E., Philadelphia, Pa. Ratchet-wrench. No. 1,053,703; Feb. 18; Gaz. vol. 187; p. 714.
- Bonine, Charles E., Philadelphia, Pa. Sterilizing milk. No. 1,081,483; Dec. 16; Gaz. vol. 197; p. 606.
- Bonn, Frank R., assignor of three-tenths to B. D. Hamill and three-tenths to E. C. Parsons, Salt Lake City, Utah. Drink-mixer. No. 1,056,882; Mar. 25; Gaz. vol. 188; p. 854.
- Bonneau, John B., Jr., Millsap, Tex. Cultivator. No. 1,078,898; Nov. 18; Gaz. vol. 196; p. 634.
- Bonnell, Ralph A., Chicago, Ill. Fish-hook. No. 1,056,397; Mar. 18; Gaz. vol. 188; p. 655.
- Bonnell, Raymond C., Atlantic City, N. J. Horseshoe. No. 1,079,285; Nov. 18; Gaz. vol. 196; p. 766.
- Bonnell, Russell, Elizabeth, N. J. Spigot. No. 1,066,178; July 1; Gaz. vol. 192; p. 97.
- Bonner, Douglas E., New York, N. Y. Curtain-fixtue. No. 1,051,545; Jan. 28; Gaz. vol. 186; p. 862.
- Bonner, Otto H., Zanesville, Ohio. Ellipsograph and routing-machine. No. 1,058,537; Apr. 8; Gaz. vol. 189; p. 437.
- Bonner, Samuel, assignor of one-fourth to L. D. Dillon and one-fourth to P. L. Jackson, Clarksdale, Miss. Apparatus for deepening channels in streams. No. 1,082,147; Dec. 23; Gaz. vol. 197; p. 854.
- Bonney, John C. G., Brooklyn, N. Y. Hat-ventilator. No. 1,061,593; May 13; Gaz. vol. 190; p. 391.
- Bono, Michelangelo, New York, N. Y. Suspenders. No. 1,071,688; Sept. 2; Gaz. vol. 194; p. 6.
- Bono, Michelangelo, New York, N. Y. Suspenders. No. 1,080,534; Dec. 9; Gaz. vol. 197; p. 248.
- Bonom, Alfred, Paterson, N. J. Steam-turbine. No. 1,076,810; Oct. 28; Gaz. vol. 195; p. 877.
- Bonom, Alfred, Paterson, N. J. Reversible steam-turbine. No. 1,076,865; Oct. 28; Gaz. vol. 195; p. 896.
- Bonson Dry Concentrator Company. (See Bonson, William W., assignor.)
- Bonson, William W., Dubuque, assignor to G. S. Wright, Council Bluffs, Iowa. Land-drain. No. 1,070,227; Aug. 12; Gaz. vol. 193; p. 422.
- Bonson, William W., assignor to Bonson Dry Concentrator Company, Dubuque, Iowa. Dry-ore separator. No. 1,073,069; Sept. 9; Gaz. vol. 194; p. 514.
- Bontempi, Augusto, New York, N. Y., assignor to Bontempi Rust Proofing Company. Rust-proofing iron, steel, or the like. No. 1,072,904; Sept. 9; Gaz. vol. 194; p. 455.
- Bontempi Rust Proofing Company. (See Bontempi, Augusto, assignor.)
- Bontemps, Ernest, Ivanovo-Vosnessensk, Russia. Fabric-printing machine. No. 1,055,312; Mar. 11; Gaz. vol. 188; p. 257.
- Booker, James, assignor of one-half to J. H. Henderson, San Francisco, Cal. Round-top extension-table. No. 1,079,099; Nov. 18; Gaz. vol. 196; p. 704.
- Bookwalter, Albert E., and M. A. Dorland, Coeur d'Alene, Idaho. Ore-separator. No. 1,058,349; Apr. 8; Gaz. vol. 189; p. 373.
- Boom, John H., assignor of two-fifths to F. Bach and nine-one-hundredths to K. E. W. Bichels, New York, N. Y. Train-stop system. No. 1,053,899; Feb. 18; Gaz. vol. 187; p. 777.
- Boom, Mino, Bladen, Nebr. Automatic gate. No. 1,059,429; Apr. 22; Gaz. vol. 189; p. 820.
- Boomer, Richard, assignor to Florence Electric Tray Company, Detroit, Mich. Electric flat-iron. No. 1,060,061; Apr. 29; Gaz. vol. 189; p. 1071.
- Boone, Aaron J., Alameda, Pa., assignor of one-fourth to E. L. Duden and one-fourth to C. E. Duden, Hoboken, N. J. Beveled drill-socket. No. 1,052,309; Feb. 4; Gaz. vol. 187; p. 158.
- Boone, Robert B., et al. (See Tatum, James W., assignor.)
- Booraem, Robert E., et al. (See Fischer, Siegfried, assignor.)
- Boos, Eduard, Oberbruch, assignor to Vereinigte Glanzstoff-Fabriken A. G., Elberfeld, Germany. Drum for winding threads. No. 1,052,125; Feb. 4; Gaz. vol. 187; p. 97.
- Boos, Eduard, Oberbruch, assignor to Vereinigte Glanzstoff-Fabriken A. G., Elberfeld, Germany. Winding-drum for threads. No. 1,052,212; Feb. 4; Gaz. vol. 187; p. 128.
- Boos, Jacob A., Mount Vernon, N. Y. Container. No. 1,059,269; Apr. 15; Gaz. vol. 189; p. 727.
- Booth, Albert T., Waterbury, Conn. Oil-can. No. 1,073,391; Sept. 16; Gaz. vol. 194; p. 663.
- Booth, Charles A., Brunswick, Md. Valve construction. No. 1,050,775; Jan. 14; Gaz. vol. 186; p. 528.
- Booth, Charles A., Brunswick, Md. Valve construction. No. 1,052,561; Feb. 11; Gaz. vol. 187; p. 276.
- Booth, Charles W., Chicago, Ill. Journal-box-lid fastener. No. 1,067,300; July 15; Gaz. vol. 192; p. 549.
- Booth, James S., Detroit, Mich. Drive-wheel mounting for vehicles. No. 1,077,926; Nov. 4; Gaz. vol. 196; p. 235.
- Booth, John, Peru, Ind. Desk. No. 1,055,014; Mar. 4; Gaz. vol. 188; p. 122.
- Booth, John, Peru, Ind. Fireproof safe for cabinets. No. 1,078,123; Nov. 11; Gaz. vol. 196; p. 334.
- Booth, Joseph B. S., Sidcup, England. Carbureter. No. 1,070,394; Aug. 19; Gaz. vol. 193; p. 520.
- Booth, Joseph B. S., Enfield, England, assignor to Lanston Monotype Machine Company, Philadelphia, Pa. Typographic composing-machine. No. 1,079,326; Nov. 25; Gaz. vol. 196; p. 812.
- Booth, Thomas, Boise, Idaho. Fire-escape. No. 1,072,814; Sept. 9; Gaz. vol. 194; p. 422.
- Booth, William N., Cleveland, Ohio. Quickly-detachable tire-holding ring. No. 1,049,442; Jan. 7; Gaz. vol. 186; p. 42.
- Boothe, George P., assignor to S. R. Dresser Manufacturing Company, Bradford, Pa. Rubber-packed coupling for lock-bar pipe. No. 1,058,683; Apr. 8; Gaz. vol. 189; p. 486.
- Boothroyd, George. (See Tinker and Boothroyd.)
- Boots, Israel F., Hartford City, Ind. Clod crusher and pulverizer. No. 1,059,823; Apr. 22; Gaz. vol. 189; p. 949.
- Booz, William C., and L. Losure, assignors to Losure Spray Mfg. Co., Van Buren, Ind. Sprayer. No. 1,057,616; Apr. 1; Gaz. vol. 189; p. 75.
- Bopp, Clinton L., Waterloo, Iowa. Electrical signaling device. No. 1,073,024; Sept. 9; Gaz. vol. 194; p. 498.
- Borah, James J. (See Wright and Borah.)
- Borberg, Rudolf, Elberfeld, Germany. Braces, suspenders, and the like. No. 1,064,814; June 17; Gaz. vol. 191; p. 631.
- Borchardt, Hugo, Charlottenburg, Germany. Breech-mechanism lock for automatic firearms. No. 1,071,023; Aug. 26; Gaz. vol. 193; p. 764.
- Borchert, William, assignor of one-half to W. A. McPherson, Rockford, Ill. Device for sealing wrapped packages. No. 1,061,039; May 6; Gaz. vol. 190; p. 167.
- Borden, Bradford, assignor to The Borden Company, Warren, Ohio. Pipe-threading tool. No. 1,056,085; Mar. 18; Gaz. vol. 188; p. 551.
- Borden, Bradford, Toronto, Ontario, Canada, assignor to The Borden Company, Warren, Ohio. Pipe-threading tool. No. 1,062,218; May 20; Gaz. vol. 190; p. 640.
- Borden, Bradford, Toronto, Ontario, Canada, assignor to The Borden Company, Warren, Ohio. Pipe-threading tool. No. 1,069,381; Aug. 5; Gaz. vol. 193; p. 103.
- Borden, Bradford, Toronto, Ontario, Canada, assignor to The Borden Company, Warren, Ohio. Thread-cutting tool. No. 1,076,188; Oct. 21; Gaz. vol. 195; p. 604.
- Borden Company, The. (See Bechtel, Milton W., assignor.)
- Borden Company, The. (See Borden, Bradford, assignor.)
- Borden Company, The. (See Nonneman, Ira W., assignor.)
- Borden, George L., Groveville, assignor to Electrolytic Art Metal Company, Trenton, N. J. Disintegrator. No. 1,063,155; May 27; Gaz. vol. 190; p. 991.
- Border, William P., Bozeman, Mont. Combination head-gate and water-measuring device. No. 1,062,432; May 20; Gaz. vol. 190; p. 711.
- Bordier, Claude, Kilbourn Siding, Quebec, Canada. Jolter for sacking-machines. No. 1,076,480; Oct. 21; Gaz. vol. 195; p. 707.
- Bordner, Floyd W., Toledo, assignor of one-half to C. O'Harrow, Lima, Ohio. Pneumatic piano-player. No. 1,049,443; Jan. 7; Gaz. vol. 186; p. 42.
- Bordt, Adolf, Mannheim, Germany. Adding-machine. No. 1,059,522; Apr. 22; Gaz. vol. 189; p. 851.
- Boreham, Charles A., Coalinga, Cal. Vehicle-spring. No. 1,082,794; Dec. 30; Gaz. vol. 197; p. 1114.
- Borein, Charles A., Oakland, Cal. Water-heater. No. 1,052,792; Feb. 11; Gaz. vol. 187; p. 356.
- Borel, Joseph, and F. Grange, Annecy, France. Fitting device for boots and shoes. No. 1,074,406; Sept. 30; Gaz. vol. 194; p. 1058.
- Borg, Charles W., Moline, Ill. Wood-planing machine. No. 1,072,691; Sept. 9; Gaz. vol. 194; p. 378.
- Borg, Frederick G. (See Reddersen and Borg.)
- Borga, Dora A., administrator. (See Borga, Reginald P.)
- Borga, Reginald P., deceased, (D. A. Borga, administrator.) South Norfolk, assignor of two-thirds to S. W. Lyons, Jr., Norfolk, Va. Hinged stake-pocket. No. 1,073,790; Sept. 23; Gaz. vol. 194; p. 823.
- Borga, Reginald P., deceased, South Norfolk, assignor of two-thirds to S. W. Lyons, Jr., Norfolk, Va.; D. A. Borga, administratrix. Car-stake. No. 1,081,807; Dec. 16; Gaz. vol. 197; p. 712.
- Borger, Erastus, Kunkletown, Pa. Railway-tie and brace. No. 1,066,073; July 1; Gaz. vol. 192; p. 60.
- Borglin, Charles J. (See Nielsen, Borglin, and Soeborg.)
- Boring, Clement W. (See Locke and Boring.)

Alphabetical list of patentees—Continued.

- Boring, Flavius J., Berkeley, Cal. Combined door and sash fastener. No. 1,053,002; Feb. 11; Gaz. vol. 187; p. 427.
- Boring, Mary F., Washington, Ind. Lid for milk-crocks. No. 1,064,603; June 10; Gaz. vol. 191; p. 525.
- Borkheim, Louis, Berkeley, Cal. Base-ball game. No. 1,063,910; June 3; Gaz. vol. 191; p. 254.
- Borlan, George. (See Bajluk and Borlan.)
- Borland, Bruce, Chicago, Ill. Lock. No. 1,075,139; Oct. 7; Gaz. vol. 195; p. 190.
- Born, Gabriel F., Gnadenhutten, Ohio. Window-screen. No. 1,055,381; Mar. 11; Gaz. vol. 188; p. 281.
- Born, Herman H., and H. A. Recen, assignors of one-sixth to said Recen, one-sixth to P. A. Peregrine, and two-thirds to F. V. Goetz, Denver, Colo. Tunneling-machine. No. 1,081,524; Dec. 16; Gaz. vol. 197; p. 619.
- Born, Martin A., Oconomowoc, Wis. Trolley. No. 1,065,771; June 24; Gaz. vol. 191; p. 989.
- Bornstein, Newton A. (See Gollobin and Bornstein.)
- Borovski, Kazimier, Detroit, Mich. Washboller. No. 1,065,902; June 24; Gaz. vol. 191; p. 1033.
- Borrourghs, Joseph N., Oakland, Cal. Catenated index and ledger. No. 1,065,337; June 24; Gaz. vol. 191; p. 840.
- Borsalino Giuseppe & Fratello-Societa Anonima. (See Calvi, Giuseppe, assignor.)
- Borsella, Anthony, and C. Soccol, New York, N. Y. Automatic self-starter. No. 1,082,927; Dec. 30; Gaz. vol. 197; p. 1160.
- Borsky, Rudolf A., Prague-Zizkov, Austria-Hungary. Padlock. No. 1,081,808; Dec. 16; Gaz. vol. 197; p. 712.
- Bortman, Emanuel W. (See Wildman and Bortman.)
- Boruch, Mary H., Elba, Nebr. Drier. No. 1,064,436; June 10; Gaz. vol. 191; p. 469.
- Borum, William A., Jackson, Miss. Lawn-swing. No. 1,056,145; Mar. 18; Gaz. vol. 188; p. 572.
- Bosch, Carl, assignor to Badische Anilin & Soda Fabrik, Ludwigshafen-on-the-Rhine, Germany. Working with hydrogen under pressure. No. 1,077,034; Oct. 28; Gaz. vol. 195; p. 956.
- Bosch, Carl, and A. Mittasch, assignors to Badische Anilin & Soda Fabrik, Ludwigshafen-on-the-Rhine, Germany. Making ammonia. No. 1,053,951; Feb. 18; Gaz. vol. 187; p. 796.
- Bosch, Carl, and A. Mittasch, assignors to Badische Anilin & Soda Fabrik, Ludwigshafen-on-the-Rhine, Germany. Manufacturing ammonia. No. 1,053,952; Feb. 18; Gaz. vol. 187; p. 797.
- Bosch, Carl, and A. Mittasch, assignors to Badische Anilin & Soda Fabrik, Ludwigshafen-on-the-Rhine, Germany. Compounds containing silicon and nitrogen and producing such compounds. No. 1,054,901; Mar. 4; Gaz. vol. 188; p. 85.
- Bosch, Carl, and A. Mittasch, assignors to Badische Anilin & Soda Fabrik, Ludwigshafen-on-the-Rhine, Germany. Producing molybdenum nitrid. No. 1,061,725; May 13; Gaz. vol. 190; p. 437.
- Bosch, Carl, and F. Lappe, assignors to Badische Anilin & Soda Fabrik, Ludwigshafen-on-the-Rhine, Germany. Working with hydrogen under pressure. No. 1,075,085; Oct. 7; Gaz. vol. 195; p. 171.
- Bosch, Carl, A. Mittasch, and L. Hecht, assignors to Badische Anilin & Soda Fabrik, Ludwigshafen-on-the-Rhine, Germany. Production of ammonium sulfate. No. 1,063,007; May 27; Gaz. vol. 190; p. 942.
- Bosch, Carl, A. Mittasch, H. Wolf, Ludwigshafen-on-the-Rhine, and G. Stern, Mannheim, assignors to Badische Anilin & Soda Fabrik, Ludwigshafen-on-the-Rhine, Germany. Production of ammonia and catalytic agents for use therein. No. 1,068,966; July 29; Gaz. vol. 192; p. 1193.
- Bosch, Carl, A. Mittasch, H. Wolf, Ludwigshafen-on-the-Rhine, and G. Stern, Mannheim, assignors to Badische Anilin & Soda Fabrik, Ludwigshafen-on-the-Rhine, Germany. Production of ammonia and catalytic agents for use therein. No. 1,068,967; July 29; Gaz. vol. 192; p. 1193.
- Bosch, Carl, A. Mittasch, H. Wolf, Ludwigshafen-on-the-Rhine, and G. Stern, Mannheim, assignors to Badische Anilin & Soda Fabrik, Ludwigshafen-on-the-Rhine, Germany. Production of ammonia and catalytic agents for use therein. No. 1,068,968; July 29; Gaz. vol. 192; p. 1193.
- Bosch, Carl, A. Mittasch, H. Wolf, Ludwigshafen-on-the-Rhine, and G. Stern, Mannheim, assignors to Badische Anilin & Soda Fabrik, Ludwigshafen-on-the-Rhine, Germany. Production of ammonia and catalytic agents for use therein. No. 1,068,969; July 29; Gaz. vol. 192; p. 1194.
- Bosch, Firm of Robert. (See Diemer, Anton, assignor.)
- Bosch, Firm of Robert. (See Fischer, Otto, assignor.)
- Bosch, Firm of Robert. (See Honold, Gottlob, assignor.)
- Bosch, Firm of Robert. (See Honold and Heins, assignors.)
- Bosch, Firm of Robert. (See Kazenmaier, August, assignor.)
- Bosch, Firm of Robert. (See Kratz, Franz, assignor.)
- Bosch, Firm of Robert. (See Kratz and Wagner, assignors.)
- Bosch, Firm of Robert. (See Steinhart, Hermann, assignor.)
- Bosch, Firm of Robert. (See Wagner, Robert, assignor.)
- Bosch, Firm of Robert. (See Woerner, Eugen, assignor.)
- Bosch, Firm of Robert. (See Zähringer, Arnold, assignor.)
- Bosch, Henry, Chicago, Ill. Machine for cutting wall-paper and the like. No. 1,057,703; Apr. 1; Gaz. vol. 189; p. 105.
- Bosch, Ignace L., Richwood, W. Va. Artificial hand. No. 1,050,607; Jan. 14; Gaz. vol. 186; p. 475.
- Bossee, Charles, et al. (See Lake, John L., assignor.)
- Boshart, Emil. (See Branington, Edwin O., assignor.)
- Bosnische Electricitats-Aktiengesellschaft. (See Hess, Johannes, assignor.)
- Bosnyakovits, Eugene, Cleveland, Ohio. Car-fender. No. 1,067,779; July 15; Gaz. vol. 192; p. 711.
- Bosnyakovits, Joseph, assignor of one-half to S. Bosnyakovits, Philadelphia, Pa. Umbrella-runner-locking device. No. 1,051,191; Jan. 21; Gaz. vol. 186; p. 708.
- Bosnyakovits, Stephen. (See Bosnyakovits, Joseph, assignor.)
- Bosqui, Daniel, Monahan, Wash., assignor to Merrill Metallurgical Company. Precipitating materials from solutions. No. 1,049,560; Jan. 7; Gaz. vol. 186; p. 83.
- Boss, John C., Elkhart, Ind. Drying bricks. No. 1,072,302; Sept. 2; Gaz. vol. 194; p. 213.
- Boss, Martin P., San Francisco, Cal. Centrifugal concentrator. No. 1,071,870; Sept. 2; Gaz. vol. 194; p. 69.
- Boss, William, St. Paul, Minn. Hose-rack. No. 1,058,538; Apr. 8; Gaz. vol. 189; p. 437.
- Boss, William, St. Paul, Minn. Collapsible cot-hammock. No. 1,062,950; May 27; Gaz. vol. 190; p. 924.
- Boss, William, St. Paul, Minn. Hammock. No. 1,062,951; May 27; Gaz. vol. 190; p. 925.
- Boss, William, St. Paul, Minn. Grass-catcher. No. 1,076,014; Oct. 21; Gaz. vol. 195; p. 545.
- Bossé, Adolphe E., Pittsburgh, Pa. Ammonia-rectifier. No. 1,051,383; Jan. 28; Gaz. vol. 186; p. 806.
- Bossé, Adolphe E., Pittsburgh, Pa. Ammonia-generator. No. 1,054,167; Feb. 25; Gaz. vol. 187; p. 906.
- Bossé, Adolphe E., Pittsburgh, Pa. Device for distributing air. No. 1,082,492; Dec. 30; Gaz. vol. 197; p. 1006.
- Bosse, Charles O., Tacoma, Wash. Elevator-controller. No. 1,062,433; May 20; Gaz. vol. 190; p. 711.
- Bosserman, Benton T., Williamstown, Ohio. Supplemental beehive-casing. No. 1,067,459; July 15; Gaz. vol. 192; p. 602.
- Bossert, Charles P., Milwaukee, Wis. Coopering. No. 1,055,986; Mar. 11; Gaz. vol. 188; p. 483.
- Bossinger, William R., Marion, Ohio. Ingot-mold. No. 1,070,106; Aug. 12; Gaz. vol. 193; p. 379.
- Bosson, William, et al. (See Gray, Thomas J., assignor.)
- Bostock, Francis H., Nottingham, England. Prepaid gas or like meter. No. 1,058,716; Apr. 15; Gaz. vol. 189; p. 534.
- Bostock, Henry D., Jacksonville, Fla. Annunciator. No. 1,081,885; Dec. 16; Gaz. vol. 197; p. 738.
- Bostock, Thomas, Brockton, Mass., assignor, by mesne assignments, to United Shoe Machinery Company, Paterson, N. J. Machine for pressing heel-lifts, heels, &c. No. 1,079,537; Nov. 25; Gaz. vol. 196; p. 883.
- Boston Automatic Machine Company. (See Richardson and Morgan, assignors.)
- Boston Blacking Company. (See Baker, Winthrop D., assignor.)
- Boston Clock Company. (See McGraw, Walter E., assignor.)
- Boston, Henry G., York, England. Closure for the mouths of hollow vessels. No. 1,053,003; Feb. 11; Gaz. vol. 187; p. 428.
- Boston, Henry M., New Berlin, assignor to Sherman Hog Greaser Co., Peoria, Ill. Pig-forceps. No. 1,071,137; Aug. 26; Gaz. vol. 193; p. 803.
- Boston & Lockport Block Company. (See Ferrall, Thomas R., assignor.)
- Boston Machine Works Company. (See Hanan and Gates, assignors.)
- Boston Machine Works Company. (See Jennings, Frank S., assignor.)
- Boston Machine Works Company. (See Jennings, Frank S., assignor.) (Reissue.)
- Boston Machinery Company. (See Petersen, Anker, assignor.)
- Boston Pressed Metal Company. (See Cole, William E., assignor.)
- Boston Refrigerating Company. (See Coolidge, Charles H., assignor.)
- Boston Toggle Company. (See Crombie, Herbert S., assignor.)
- Boston Woven Hose and Rubber Company. (See Landin, Carl J., assignor.)
- Bostrom, Axel G. (See Bostrom, John M. and A. G.)
- Bostrom, John M. and A. G., Milwaukee, Wis. Bed-sofa. No. 1,065,772; June 24; Gaz. vol. 191; p. 989.
- Bostrom, William O., Rising Fawn, Ga. Planter attachment. No. 1,063,768; June 3; Gaz. vol. 191; p. 207.
- Bostrom, William O., Rising Fawn, Ga. Planter attachment. No. 1,080,885; Dec. 9; Gaz. vol. 197; p. 368.

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- Bostwick, Seymour A., Roxbury, assignor to P. G. H. Benet. Boston, Mass. Driving mechanism. No. 1,064,437; June 10; Gaz. vol. 191; p. 470.
- Boswell, Francis G., assignor to R. A. Boswell, Washington, D. C. Letter separating and feeding device. No. 1,058,696; Apr. 8; Gaz. vol. 189; p. 491.
- Boswell, Grace, *et al.* (See Boswell, John T., assignor.)
- Boswell, John, and E. Pearl, New York, N. Y. Document-file. No. 1,079,100; Nov. 18; Gaz. vol. 196; p. 704.
- Boswell, John T., assignor to L. and G. Boswell, Kansas City, Mo. Scale-tester. No. 1,054,168; Feb. 25; Gaz. vol. 187; p. 907.
- Boswell, Laura, *et al.* (See Boswell, John T., assignor.)
- Boswell, Robert A. (See Boswell, Francis G., assignor.)
- Bosworth, Birney B., New York, N. Y. Suspended clothes-rack. No. 1,066,371; July 1; Gaz. vol. 192; p. 164.
- Bosworth, Percy B., assignor to The Firestone Tire & Rubber Company, Akron, Ohio. Demountable vehicle-rim. No. 1,063,500; June 3; Gaz. vol. 191; p. 111.
- Bosworth, Wendell P., assignor to Brockton Heel Company, Brockton, Mass. Machine for building cemented heels for boots and shoes. No. 1,065,338; June 24; Gaz. vol. 191; p. 840.
- Bosworth, Wendell P., assignor to Brockton Heel Company, Brockton, Mass. Machine for making heel-logs. No. 1,076,742; Oct. 28; Gaz. vol. 195; p. 853.
- Both, Frederick W., New York, N. Y. Automobile number-display device. No. 1,051,479; Jan. 28; Gaz. vol. 186; p. 839.
- Bothwell, James C., Fairfield, Ill. Door-hinge. No. 1,082,677; Dec. 30; Gaz. vol. 197; p. 1073.
- Botiller, Frank D. (See Ybarrodo and Botiller.)
- Botsford, John W. (See Cousins and Botsford.)
- Bott, Henry A., McCurtain, Okla. Well-bucket. No. 1,065,024; June 17; Gaz. vol. 191; p. 698.
- Botten, William H., assignor to The Owen Bucket Company, Cleveland, Ohio. Grab-bucket. No. 1,058,539; Apr. 8; Gaz. vol. 189; p. 438.
- Böttger, Max, Berlin, Germany, assignor to Mergenthaler Linotype Company. Typographical composing-machine. No. 1,079,101; Nov. 18; Gaz. vol. 196; p. 705.
- Bottle, Edward K., assignor to The Carter-Crume Company, Limited, Niagara Falls, N. Y. Manifold sales-book. No. 1,064,884; June 17; Gaz. vol. 191; p. 653.
- Bottle, Edward K., Elmira, N. Y., assignor to American Sales Book Company, Limited, Toronto, Canada. Sales-book. No. 1,068,214; July 22; Gaz. vol. 192; p. 891.
- Bottle, Edward K., Elmira, N. Y., assignor to American Sales Book Company, Limited, Toronto, Canada. Sales-book. No. 1,068,215; July 22; Gaz. vol. 192; p. 892.
- Bottomley, James F., Wallsend, R. S. Hutton, Manchester, and R. A. S. Paget, London, assignors to The Thermal Syndicate Limited, Wallsend, England. Manufacture of silica-glass. (Reissue.) No. 13,504; Jan. 7; Gaz. vol. 186; p. 262.
- Botts, Barnett N., assignor of one-half to V. Exline, Paso Robles, Cal. Gas-engine starter. No. 1,065,025; June 17; Gaz. vol. 191; p. 699.
- Bouas, Alphons, Coulterville, Ill. Motor-vehicle. No. 1,066,072; July 1; Gaz. vol. 192; p. 59.
- Bouchard, George O., Grand Rapids, Mich. Automatic show-case or clothing-cabinet. No. 1,079,632; Nov. 25; Gaz. vol. 196; p. 917.
- Bouchard, Samuel E. (See Stevens and Bouchard.)
- Boucher, Alphe O. (See Simard and Boucher.)
- Boucher, George S., Damascus, Va. Edger-saw-setting mechanism. No. 1,056,252; Mar. 18; Gaz. vol. 188; p. 609.
- Boucher, Oliver E., assignor of one-half to W. V. Greason, Williamstown, Vt. Means for fastening window-glass. No. 1,068,407; July 29; Gaz. vol. 192; p. 998.
- Boucher, Paul, Paris, France. Photographic exposure-meter. No. 1,078,482; Nov. 11; Gaz. vol. 196; p. 459.
- Boud, William F., Adelphia, N. J. Cultivator attachment. No. 1,074,487; Sept. 30; Gaz. vol. 194; p. 1084.
- Boudreau, Ernest S., Tacoma, Wash. Automatic tap-hole stopper. No. 1,064,604; June 10; Gaz. vol. 191; p. 525.
- Boudreau, Theophile, Labadieville, La. Stubble-shaver and cane-scraper. No. 1,068,305; July 22; Gaz. vol. 192; p. 924.
- Boudreaux, Edmond, Morgan City, La. Oil-burner. No. 1,051,672; Jan. 28; Gaz. vol. 186; p. 904.
- Bouery, Pierre, Weaverville, Cal. Mining-sluice. No. 1,064,959; June 17; Gaz. vol. 191; p. 679.
- Bouffart, Maurice, Herstal-lez-Liege, Belgium. Apparatus for recording the speed of gases. No. 1,050,333; Jan. 14; Gaz. vol. 186; p. 379.
- Boufford, Joseph T., Linwood, Mass. Lowering device. No. 1,071,502; Aug. 26; Gaz. vol. 193; p. 924.
- Boughner, John D., Yorba Linda, Cal. Drill-rod connection. No. 1,075,896; Oct. 14; Gaz. vol. 195; p. 476.
- Boughton, Allyn, Iola, Kans. Threshing-machine cover. No. 1,068,306; July 22; Gaz. vol. 192; p. 924.
- Boughton, Charles H., Camden, N. J. Machine for grinding steel pens. No. 1,077,969; Nov. 11; Gaz. vol. 196; p. 281.
- Boughton, John W., Philadelphia, Pa. Airship. No. 1,075,540; Oct. 14; Gaz. vol. 195; p. 355.
- Bouillat, Nicolas G., Bron, France. Handle-bar for cycles. No. 1,053,150; Feb. 18; Gaz. vol. 187; p. 523.
- Bouillon, Constant, Torrington, Conn. Molding-machine. No. 1,069,382; Aug. 5; Gaz. vol. 193; p. 104.
- Bouillon, Constant, Torrington, Conn. Molding-machine. No. 1,069,383; Aug. 5; Gaz. vol. 193; p. 104.
- Boulais, Wilfrid, Ipswich, Mass. Yarn-releasing device for spools. No. 1,081,716; Dec. 16; Gaz. vol. 197; p. 680.
- Bouldin, W. Claughton, Oakland, Tex. Automobile-jack. No. 1,074,690; Oct. 7; Gaz. vol. 195; p. 37.
- Boulter, Royal L., Los Angeles, Cal. Telegraph-key. No. 1,074,831; Oct. 7; Gaz. vol. 195; p. 82.
- Boulton, Percival R., Birmingham, England. Automatic gas-analyzer. No. 1,077,927; Nov. 4; Gaz. vol. 196; p. 235.
- Bouma, Joute L. (See Workhoven and Bouma.)
- Bouracier, Louis C. J., Baiham, London, England. Amusement apparatus. No. 1,075,397; Oct. 14; Gaz. vol. 195; p. 307.
- Bourdelle, Emile, assignor to Schneider & Cie., Paris, France. Wheeled gun-carriage. No. 1,082,795; Dec. 30; Gaz. vol. 197; p. 1114.
- Bourn, Stephen W., Bristol, R. I. Braider-carrier. No. 1,049,656; Jan. 7; Gaz. vol. 186; p. 117.
- Bourne, Jonathan E., Salem, Oreg. Sash-lock. No. 1,071,024; Aug. 26; Gaz. vol. 193; p. 764.
- Bourne Rubber Company, The. (See Richards, Walter E. W., assignor.)
- Bournonville, Antoine, Philadelphia, Pa. Unreeling device for electric conductors. No. 1,063,646; June 3; Gaz. vol. 191; p. 165.
- Bourquin, Gustave L., Sellersville, Pa., assignor of one-half to R. Loeb, Camden, N. J. Wheel. No. 1,053,778; Feb. 18; Gaz. vol. 187; p. 738.
- Bourrassa, Alexander, Chicago Heights, Ill. Continuous railway-rail. No. 1,064,046; June 10; Gaz. vol. 191; p. 334.
- Bourrelly, Gabriel, Paris, assignor to R. Thétier, Joinville, Le Mans, France. Incandescent burner. No. 1,054,333; Feb. 25; Gaz. vol. 187; p. 963.
- Bouska, Joseph, Bridgeport, Wash. Brace. No. 1,064,605; June 10; Gaz. vol. 191; p. 526.
- Bouslog, William H. (See Lister, Levi H., assignor.)
- Bousquet, Theodore, *et al.* (See Landry, Louis H., assignor.)
- Boutelle, Joseph. (See Binon, Georges, assignor.)
- Boutell, John R., assignor of one-half to Siebers & Raisch Pattern Works, Milwaukee, Wis. Antiscald-faucet. No. 1,061,975; May 20; Gaz. vol. 190; p. 557.
- Boutell, John R., assignor of one-half to Siebers & Raisch Pattern Works, Milwaukee, Wis. Antiscald-faucet. No. 1,074,101; Sept. 30; Gaz. vol. 194; p. 958.
- Bouton, Charles W. (See Lundquist, Frank A., assignor.)
- Boutwell, William R., Norfolk, Va. Producing propeller-blade patterns. No. 1,062,762; May 27; Gaz. vol. 190; p. 861.
- Boutwell, William R., Norfolk, Va. Propeller. No. 1,066,988; July 8; Gaz. vol. 192; p. 405.
- Bovard, Alexander H. (See Bowman and Bovard.)
- Bovee, David W., Waterloo, Iowa. Harrow-disk. No. 1,081,886; Dec. 16; Gaz. vol. 197; p. 738.
- Bow, Lafayette T., and D. B. Vernon, Ardmore, Okla. Burial-casket. No. 1,075,086; Oct. 7; Gaz. vol. 195; p. 171.
- Bowden, Junius A., Los Angeles, Cal. Detachable tread for tires. No. 1,050,798; Jan. 21; Gaz. vol. 186; p. 571.
- Bowden, Junius A., Los Angeles, Cal. Tire with detachable tread. No. 1,054,820; Mar. 4; Gaz. vol. 188; p. 59.
- Bowden, Thomas, Manchester, England. Advertising and like apparatus. No. 1,061,520; May 13; Gaz. vol. 190; p. 365.
- Bowdish, Albertis, Plymouth, N. Y. Device for securing the flaps of boots or shoes. No. 1,060,422; Apr. 29; Gaz. vol. 189; p. 1199.
- Bowdle, George F. (See O'Brien and Bowdle.)
- Bowen, Benjamin F., Wayne, W. Va. Fire-escape. No. 1,060,156; Apr. 29; Gaz. vol. 189; p. 1103.
- Bowen, George D., assignor to The Baldwin Locomotive Works, Philadelphia, Pa. Locomotive-pilot. No. 1,072,303; Sept. 2; Gaz. vol. 194; p. 214.
- Bowen, George W., Auburn, N. Y. Grease-cup. No. 1,054,668; Mar. 4; Gaz. vol. 188; p. 5.
- Bowen, George W., Auburn, N. Y. Making a combined bolt and grease-cup from sheet-metal blanks. No. 1,054,669; Mar. 4; Gaz. vol. 188; p. 6.
- Bowen, Leslie G., Kansas City, Mo. Trolley-pole clamp. No. 1,049,657; Jan. 7; Gaz. vol. 186; p. 117.
- Bowen, Reuben, Milwaukee, Wis., assignor, by mesne assignments, to International Steam Pump Company. Centrifugal pump. No. 1,067,399; July 15; Gaz. vol. 192; p. 582.
- Bowen, Richard J., Milwaukee, Wis. Culinary utensil. No. 1,066,788; July 8; Gaz. vol. 192; p. 338.
- Bowen, Walter W., Chicago, Ill. Wrench. No. 1,063,848; June 3; Gaz. vol. 191; p. 233.
- Bowen, William F., *et al.* (See Lee, Isaac E., assignor.)
- Bower, Alexander W., Derby, Colo. Railway-signal. No. 1,063,325; June 3; Gaz. vol. 191; p. 52.
- Bower, Ebon B., Bellefonte, Pa. Radiator foot-rest. No. 1,074,081; Sept. 23; Gaz. vol. 194; p. 921.

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- Bower, James W., and H. W. Greemann, Seymour, Ind. Car-seal. No. 1,057,925; Apr. 1; Gaz. vol. 189; p. 181.
- Bower, Leon L., Philadelphia, Pa. Blowpipe. No. 1,053,968; Feb. 25; Gaz. vol. 187; p. 839.
- Bower, Robert F., Dayton, Ohio. Roller-bearing. No. 1,070,664; Aug. 19; Gaz. vol. 193; p. 612.
- Bower, Samuel M., Tutwiler, Miss. Traction-wheel. No. 1,062,382; May 20; Gaz. vol. 190; p. 695.
- Bowerbank, John W., Los Angeles, Cal. Radiator for automobiles. No. 1,079,468; Nov. 25; Gaz. vol. 196; p. 860.
- Bowerman, James F., Grand Haven, Mich. Lath-holder. No. 1,057,799; Apr. 1; Gaz. vol. 189; p. 138.
- Bowerman, Louis, Portland, Oreg. Concentrating-pan. No. 1,070,107; Aug. 12; Gaz. vol. 193; p. 380.
- Bowers, Alexander, Dubuque, Iowa. Washing-machine. No. 1,082,066; Dec. 23; Gaz. vol. 197; p. 829.
- Bowers, Charles L., assignor to The Henry & Wright Manufacturing Company, Hartford, Conn. Wheel-locking device. No. 1,049,984; Jan. 7; Gaz. vol. 186; p. 224.
- Bowers, Ernest C., and E. Cook, Kalamazoo, assignors to National Standard Company, Niles, Mich. Drilling-machine. No. 1,073,322; Sept. 16; Gaz. vol. 194; p. 639.
- Bowers, Frank A., New Britain, Conn., assignor to Auto-sales Gum and Chocolate Company, New York, N. Y. Coin-controlled vending-machine. No. 1,072,905; Sept. 9; Gaz. vol. 194; p. 456.
- Bowers, George W., Somerville, Mass. Machine for making grinding-laps. No. 1,072,564; Sept. 9; Gaz. vol. 194; p. 334.
- Bowers, George W., Somerville, Mass. Grinding-machine. No. 1,072,692; Sept. 9; Gaz. vol. 194; p. 378.
- Bowers, George W., Somerville, Mass. Square. No. 1,073,089; Sept. 16; Gaz. vol. 194; p. 557.
- Bowers, Jacob R., Waelder, Tex. Cotton knife and hook. No. 1,060,811; May 6; Gaz. vol. 190; p. 84.
- Bowers, John C., Boston, Mass., and H. P. Townsend, Waterbury, Conn., assignors to W. H. Emerson, Newton, and A. H. Parker, Bedford, Mass. Can-sealing machine. No. 1,052,032; Feb. 4; Gaz. vol. 187; p. 65.
- Bowers, Lionel F., assignor to Columbia Manufacturing Company, Columbia, Pa. Stripping mechanism. No. 1,060,227; Apr. 29; Gaz. vol. 189; p. 1128.
- Bowers, Mary, Angora, Nebr. Screen-door. No. 1,078,483; Nov. 11; Gaz. vol. 196; p. 459.
- Bowes, Edward L., Kettle Falls, Wash. Paper-fastener. No. 1,071,548; Aug. 26; Gaz. vol. 193; p. 939.
- Bowie, John R., Elizabethton, Tenn. Type-writer attachment. No. 1,066,372; July 1; Gaz. vol. 192; p. 164.
- Bowker, Ernest, assignor of one-half to J. E. Mellish, Cottage Grove, Wis. Potato-planter. No. 1,079,102; Nov. 18; Gaz. vol. 196; p. 705.
- Bowler, Paul D., and W. D. Dutton, assignors to Layne & Bowler Corporation, Los Angeles, Cal. Well mechanism. No. 1,079,689; Nov. 25; Gaz. vol. 196; p. 936.
- Bowler, Paul D., and W. D. Dutton, assignors to The Layne & Bowler Corporation, Los Angeles, Cal. Well mechanism. No. 1,079,690; Nov. 25; Gaz. vol. 196; p. 936.
- Bowles, Charles A., Richmond, Va. Ticket-holder. No. 1,061,810; May 13; Gaz. vol. 190; p. 460.
- Bowles, Willie M., and C. O. Allen, Shawnee, Okla. Furnace for smelting and refining ores. No. 1,073,468; Sept. 16; Gaz. vol. 194; p. 691.
- Bowley, Joseph W., Birmingham, England. Means for measuring the flow of liquids. No. 1,059,973; Apr. 29; Gaz. vol. 189; p. 1042.
- Bowling, James H., Russellville, Ky. Oil-burner. No. 1,062,383; May 20; Gaz. vol. 190; p. 696.
- Bowling, Joseph R. (See Ingoldsby and Bowling.) (Re-issue.)
- Bowling, Thomas. (See Allan and Bowling.)
- Bowman, Adam K., and C. J. McKnight, Greensburg, Pa. Foldable swing-seat. No. 1,072,906; Sept. 9; Gaz. vol. 194; p. 456.
- Bowman, Alton H., Allentown, Pa. Slot-machine. No. 1,057,322; Mar. 25; Gaz. vol. 188; p. 1004.
- Bowman, Benjamin, Springfield, Mo. Ditching-machine. (Reissue.) No. 13,623; Oct. 7; Gaz. vol. 195; p. 255.
- Bowman, Charles M., Lebanon, Pa. Shovel. No. 1,075,459; Oct. 14; Gaz. vol. 195; p. 328.
- Bowman, Elhanan, Elmwood, Ontario, assignor of one-half to C. R. Miller, Berlin, Ontario, Canada. Lockout-telephone for party-lines. No. 1,071,292; Aug. 26; Gaz. vol. 193; p. 854.
- Bowman, Frank M., Bellevue, and A. H. Bovard, assignors to Riter-Conley Manufacturing Company, Pittsburgh, Pa. Transmission-tower. No. 1,057,216; Mar. 25; Gaz. vol. 188; p. 970.
- Bowman, Frank M., Bellevue, and A. H. Bovard, assignors to Riter-Conley Manufacturing Company, Pittsburgh, Pa. Bolt device. No. 1,057,217; Mar. 25; Gaz. vol. 188; p. 971.
- Bowman, Frank S. (See Dunkel and Bowman.)
- Bowman, George E. (See Smith, Brooks, Bowman, and Sleppy.)
- Bowman, George S., Lebanon, Pa. Knockdown shipping-package. No. 1,062,878; May 27; Gaz. vol. 190; p. 900.
- Bowman, George S., Lebanon, Pa. Knockdown package. No. 1,078,245; Nov. 11; Gaz. vol. 196; p. 376.
- Bowman, George W., York, Pa. Cigar-tuck cutter. No. 1,083,052; Dec. 30; Gaz. vol. 197; p. 1201.
- Bowman, Henry W., Barboursville, Ky. Resilient mounting for wheels. No. 1,065,207; June 17; Gaz. vol. 191; p. 758.
- Bowman, James C. (See Williams and Bowman.)
- Bowman, Martin, *et al.* (See Nordstrom, Axel R., assignor.)
- Bowman, Newton K., North Lawrence, Ohio. Mail-handling apparatus. No. 1,060,888; May 6; Gaz. vol. 190; p. 113.
- Bowman, Reginald M., Baltimore, Md. Locomotive blower and stack. No. 1,075,140; Oct. 7; Gaz. vol. 195; p. 190.
- Bowmaster, John O., Rockhill Furnace, Pa. Frogless switch. No. 1,075,087; Oct. 7; Gaz. vol. 195; p. 172.
- Bowness, W. S., *et al.* (See Vye, Benjamin D., assignor.)
- Bowser, Allen A. (See Bowser, Harry M. and A. A.)
- Bowser, Allen A., assignor to S. F. Bowser & Company, Incorporated, Fort Wayne, Ind. Folding handle for portable tanks and the like. No. 1,049,331; Jan. 7; Gaz. vol. 186; p. 4.
- Bowser, Allen A., assignor to S. F. Bowser & Co., Incorporated, Fort Wayne, Ind. Automatic cut-off for power-pumps. No. 1,049,332; Jan. 7; Gaz. vol. 186; p. 5.
- Bowser, Allen A., assignor to S. F. Bowser & Co. Inc., Fort Wayne, Ind. Can-filling pump. No. 1,052,033; Feb. 4; Gaz. vol. 187; p. 66.
- Bowser, Allen A., assignor to S. F. Bowser & Co. Inc., Fort Wayne, Ind. Automatic cut-off for measuring-pumps. No. 1,052,034; Feb. 4; Gaz. vol. 187; p. 66.
- Bowser, Allen A., assignor to S. F. Bowser & Company, Incorporated, Fort Wayne, Ind. Combined meter and valve. No. 1,079,103; Nov. 18; Gaz. vol. 196; p. 705.
- Bowser, Allen A., assignor to S. F. Bowser & Company, Incorporated, Fort Wayne, Ind. Valve. No. 1,079,104; Nov. 18; Gaz. vol. 196; p. 706.
- Bowser, Augustus, Fort Wayne, Ind. Apparatus for handling liquids. No. 1,051,365; Jan. 21; Gaz. vol. 186; p. 766.
- Bowser, Harry M. and A. A., assignors to S. F. Bowser & Co., Inc., Fort Wayne, Ind. Measuring-pump. No. 1,068,561; July 29; Gaz. vol. 192; p. 1048.
- Bowyer, Charles D., Camden, N. J. Bottle-closure. No. 1,077,328; Nov. 4; Gaz. vol. 196; p. 30.
- Boxell, David W., Van Buren, Ind. Spraying-machine. No. 1,060,423; Apr. 29; Gaz. vol. 189; p. 1199.
- Boyce, Harrison H., New York, N. Y., assignor to Gillette Safety Razor Company, Boston, Mass. Safety-razor. No. 1,066,703; July 8; Gaz. vol. 192; p. 310.
- Boyce, James, Chicago, Ill., assignor to American Cotton Oil Company, New York, N. Y. Producing an edible compound. No. 1,061,254; May 6; Gaz. vol. 190; p. 236.
- Boyce, William D., New York, N. Y. Smoke-consuming device for fire-boxes. No. 1,071,689; Sept. 2; Gaz. vol. 194; p. 6.
- Boyce, Wirt B., Chicago, Ill. Window-shade adjuster. No. 1,073,323; Sept. 16; Gaz. vol. 194; p. 640.
- Boyd, Alexander, Elizabeth, N. J., assignor to The Singer Manufacturing Company. Thread-controlling mechanism for sewing-machines. No. 1,053,271; Feb. 18; Gaz. vol. 187; p. 564.
- Boyd, David C., Galion, Ohio. Scarifying attachment for road-machines. No. 1,058,841; Apr. 15; Gaz. vol. 189; p. 579.
- Boyd, Harry M., Creston, Iowa. Axle-drive. No. 1,078,032; Nov. 11; Gaz. vol. 196; p. 303.
- Boyd, Horace, Hokendauqua, Pa. Metallic railway-tie. No. 1,049,985; Jan. 7; Gaz. vol. 186; p. 225.
- Boyd, Howard L., Los Angeles, Cal. Incinerator. No. 1,070,943; Aug. 19; Gaz. vol. 193; p. 703.
- Boyd, James, Detroit, assignor to Brown and Bigelow, St. Paul, Minn. Display device. No. 1,057,926; Apr. 1; Gaz. vol. 189; p. 182.
- Boyd, John. (See MacGregor, Donald, assignor.)
- Boyd, John, Brentwood, Cal. Automatic windmill-oiler. No. 1,058,216; Apr. 8; Gaz. vol. 189; p. 326.
- Boyd, John, Bothwell, Scotland. Rove-stopping mechanism. No. 1,080,522; Dec. 2; Gaz. vol. 197; p. 211.
- Boyd, Maxim B. B., and J. Rickard, London, England. Vaporizing and carbureting device. No. 1,067,582; July 15; Gaz. vol. 192; p. 644.
- Boyd, Samuel O., Dongola, Ill. Magazine-penholder. No. 1,081,424; Dec. 16; Gaz. vol. 197; p. 585.
- Boyd, Sarah E., Gotebo, Okla. Colander. No. 1,073,732; Sept. 23; Gaz. vol. 194; p. 805.
- Boyd, Thomas A., Glasgow, Scotland. Winding-machine for yarn and thread. No. 1,062,562; May 20; Gaz. vol. 190; p. 753.
- Boyd, Wyatt, Chicago, Ill. Molding-machine. No. 1,069,597; Aug. 5; Gaz. vol. 193; p. 175.
- Boyden, George A., Mount Washington, Md., assignor to The Westinghouse Air Brake Company, Pittsburgh, Pa. Combined automatic and straight-air brake. No. 1,075,811; Oct. 14; Gaz. vol. 195; p. 447.

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- Boye, James H., assignor to The Boye Needle Company, Chicago, Ill. Receptacle or toilet-case. No. 1,051,070; Jan. 21; Gaz. vol. 186; p. 667.
- Boye, James H., assignor to The Boye Needle Company, Chicago, Ill. Cabinet. No. 1,058,350; Apr. 8; Gaz. vol. 189; p. 373.
- Boye, James H., assignor to Boye Needle Company, Chicago, Ill. Can-opener and combination implement. No. 1,070,006; Aug. 12; Gaz. vol. 193; p. 346.
- Boye, James H., assignor to The Boye Needle Company, Chicago, Ill. Holder for pencils, pens, &c. No. 1,074,927; Oct. 7; Gaz. vol. 195; p. 115.
- Boye, James H., assignor to The Boye Needle Company, Chicago, Ill. Hasp. No. 1,078,990; Nov. 18; Gaz. vol. 196; p. 666.
- Boye Needle Company, The. (See Boye, James H., assignor.)
- Boyer, Allen P., Goshen, Ind. Work-holder. No. 1,049,803; Jan. 7; Gaz. vol. 186; p. 165.
- Boyer, Allen P., Goshen, Ind. Extension-ladder. No. 1,059,340; Apr. 22; Gaz. vol. 189; p. 788.
- Boyer, Arthur, Biggsville, Ill. Collapsible shipping-crate. No. 1,065,026; June 17; Gaz. vol. 191; p. 699.
- Boyer, Hugh C., Portland, Oreg. Clothes-drier. No. 1,054,271; Feb. 25; Gaz. vol. 187; p. 942.
- Boyer, Ray C., Lincoln, Neb. Electric water-heater. No. 1,077,035; Oct. 28; Gaz. vol. 195; p. 956.
- Boyer, Warren L., Kingston, N. Y. Electric-railway truck. No. 1,079,389; Nov. 25; Gaz. vol. 196; p. 833.
- Boylard, Alvah O., Anaconda, Mont. Clasp. No. 1,069,225; Aug. 5; Gaz. vol. 193; p. 48.
- Boyle, Henry, Ottawa, Kans. Nut-lock. No. 1,065,773; June 24; Gaz. vol. 191; p. 989.
- Boyle, Joseph. (See Bernard and Boyle.)
- Boyle, Philip J. (See Walk, Frank E., assignor.)
- Boyle, William O., St. Joseph, Mo. Spectacles-adjuster. No. 1,061,216; May 6; Gaz. vol. 190; p. 224.
- Boyle, Emanuel J. (See Greist and Boyle.)
- Boyles, Page R., Seattle, Wash. Food product consisting of a jelly base. No. 1,067,714; July 15; Gaz. vol. 192; p. 689.
- Boylston, John, Chicago, Ill. Steam-trap. No. 1,062,632; May 27; Gaz. vol. 190; p. 820.
- Boylston Manufacturing Company, The. (See Ballard, Harrie A., assignor.)
- Boylston Manufacturing Company, The. (See Erickson, Edward, assignor.)
- Boynton, Arthur J., Lorain, Ohio. Gas-burner. No. 1,061,811; May 13; Gaz. vol. 190; p. 460.
- Boynton, Arthur J., Lorain, Ohio. Dust-catcher. No. 1,063,110; May 27; Gaz. vol. 190; p. 976.
- Boynton, Eugene R. (See Grant, Burt E., assignor.)
- Boynton, John W., assignor to Union Twist Drill Company, Athol, Mass. Grinding-machine. No. 1,052,649; Feb. 11; Gaz. vol. 187; p. 307.
- Braam, Jacques P. de, Paris, France. Apparatus on railway-vehicles for the purpose of preventing the passing of signals when at danger. No. 1,064,701; June 17; Gaz. vol. 191; p. 594.
- Braasch, Henry, Los Angeles, Cal. Balloting-box for fraternal orders. No. 1,063,111; May 27; Gaz. vol. 190; p. 977.
- Braasch, Henry, Los Angeles, Cal. Bed and lounging table. No. 1,082,997; Dec. 30; Gaz. vol. 197; p. 1184.
- Brace, George B., assignor to American Farm Gate Company, Kansas City, Mo. Gate. No. 1,055,866; Mar. 11; Gaz. vol. 188; p. 443.
- Brace, George B., assignor to American Farm Gate Company, Kansas City, Mo. Gate-latch. No. 1,057,522; Apr. 1; Gaz. vol. 189; p. 43.
- Brace, Romeyn T. (See Brace, Romeyn W. and R. T.)
- Brace, Romeyn W. and R. T., Victor, N. Y. Headlight-controller. No. 1,068,100; July 22; Gaz. vol. 192; p. 852.
- Bracewell, Miles R. (See Bachelet, Emile, assignor.)
- Brach, Emil J., Chicago, Ill. Candy-cooling apparatus. No. 1,067,460; July 15; Gaz. vol. 192; p. 602.
- Brach, Leon S., New York, N. Y. Nut-lock. No. 1,062,581; May 27; Gaz. vol. 190; p. 802.
- Brach, Leon S., New York, N. Y. Nut-lock. No. 1,077,254; Nov. 4; Gaz. vol. 196; p. 4.
- Brackelsberg, Hermann A., Hagen, Germany. Apparatus for washing ore. No. 1,080,886; Dec. 9; Gaz. vol. 197; p. 369.
- Bracken, Edward R. (See Bracken, Silas D., assignor.)
- Bracken, Silas D., assignor of one-half to E. R. Bracken, Johnstown, Pa. Combined railway-tie and joint. No. 1,066,373; July 1; Gaz. vol. 192; p. 164.
- Brackenbury, Edward W., assignor to The T. L. Smith Co., Milwaukee, Wis. Tilting device for concrete-mixers. No. 1,051,673; Jan. 28; Gaz. vol. 186; p. 904.
- Brackenbury, Edward W., assignor to T. L. Smith Company, Milwaukee, Wis. Concrete-mixer. No. 1,052,035; Feb. 4; Gaz. vol. 187; p. 66.
- Brackenbury, Edward W., assignor to The T. L. Smith Co., Milwaukee, Wis. Distributing-spout for concrete-mixers. No. 1,056,732; Mar. 18; Gaz. vol. 188; p. 773.
- Brackett, Charles C., Chicago, Ill. Train-coaling station. No. 1,054,272; Feb. 25; Gaz. vol. 187; p. 942.
- Brackley, Arthur, Jersey City, N. J. Display-stand. No. 1,072,693; Sept. 9; Gaz. vol. 194; p. 379.
- Bracy, Edward L., Scotland Neck, N. C. Machine for packing cigarettes and other similar articles. No. 1,069,844; Aug. 12; Gaz. vol. 193; p. 290.
- Bradbury, Frederick G. (See King, Walter S., assignor.)
- Bradbury, Frederick G., St. Paul, Minn. Culvert. No. 1,070,382; Aug. 12; Gaz. vol. 193; p. 475.
- Bradbury, Fred'k G. (See Fischer and Dahlgren, assignors.)
- Braddock, Edward I., Winchester, assignor of one-half to H. W. Lamb, Brookline, Mass. Barrel-hoop. No. 1,053,151; Feb. 18; Gaz. vol. 187; p. 523.
- Braddock, Edward I., Winchester, assignor of one-half to H. W. Lamb, Brookline, Mass. Apparatus for forming wire hoops. No. 1,081,359; Dec. 16; Gaz. vol. 197; p. 564.
- Bradeen, James O., et al. (See Freeman, William M., assignor.)
- Braden, Joseph P., St. Paul, and W. D. Palmer, Minneapolis, Minn. Rail-clamp. No. 1,074,407; Sept. 30; Gaz. vol. 194; p. 1059.
- Bradfield, George K., Hackensack, N. J., assignor to Vacuum Oil Company, Rochester, N. Y. Lamp. No. 1,050,913; Jan. 21; Gaz. vol. 186; p. 614.
- Bradford, Edwin L., Takoma Park, D. C. Garment-supporter. No. 1,070,395; Aug. 19; Gaz. vol. 193; p. 520.
- Bradford, Henry B., assignor to Edge Moor Iron Company, Edgemoor, Del. Water-tube boiler. No. 1,069,105; Aug. 5; Gaz. vol. 193; p. 6.
- Bradford, Thomas C., Lamarque, Tex. Life-saving device. No. 1,056,733; Mar. 18; Gaz. vol. 188; p. 773.
- Bradford, Benjamin F., Thornton, Tex. Adjustable trace-clip. No. 1,071,503; Aug. 26; Gaz. vol. 193; p. 924.
- Bradley, Albert M., Napoleon, Ohio. Attachment-plug. No. 1,081,656; Dec. 16; Gaz. vol. 197; p. 660.
- Bradley, Bessie L., executrix. (See Bradley, Henry L.)
- Bradley, Charles A., assignor of one-half to C. H. H. Burnstad, N. D. Steering device for traction-engines. No. 1,056,967; Mar. 25; Gaz. vol. 188; p. 884.
- Bradley, Charles S., New York, N. Y. Chemical filter. No. 1,077,037; Oct. 28; Gaz. vol. 195; p. 957.
- Bradley, Charles S., New York, N. Y., assignor to Bradley Copper Process Company, Jersey City, N. J. Amphidizing. No. 1,052,793; Feb. 11; Gaz. vol. 187; p. 356.
- Bradley, Charles S., New York, N. Y., assignor to Bradley Copper Process Company, Jersey City, N. J. Apparatus for concentration of ore values. No. 1,066,880; July 8; Gaz. vol. 192; p. 368.
- Bradley, Charles S., New York, N. Y., assignor to Bradley Copper Process Company, Jersey City, N. J. Apparatus for amphidizing. No. 1,077,036; Oct. 28; Gaz. vol. 195; p. 957.
- Bradley Copper Process Company. (See Bradley, Charles S., assignor.)
- Bradley, Edward L., et al. (See Ponsar, Theodore, assignor.)
- Bradley, Frank, New York, N. Y. Tunnel construction. No. 1,065,502; June 24; Gaz. vol. 191; p. 897.
- Bradley, Frank B., Chicago, Ill. Guard-rail. No. 1,065,914; July 1; Gaz. vol. 192; p. 3.
- Bradley, Frank S., assignor to The West Haven Mfg. Co., West Haven, Conn. Die-stock and dies. No. 1,059,025; Apr. 15; Gaz. vol. 189; p. 644.
- Bradley, Frank S., assignor to The West Haven Mfg. Co., West Haven, Conn. Extension-frame hacksaw. No. 1,060,312; Apr. 29; Gaz. vol. 189; p. 1158.
- Bradley, Franklin F., assignor to Bradley and Vrooman Company, Chicago, Ill. Apparatus for coating objects with subdivided material. No. 1,068,732; July 29; Gaz. vol. 192; p. 1109.
- Bradley, Franklin F., assignor to Bradley and Vrooman Company, Chicago, Ill. Apparatus for coating objects with subdivided material. No. 1,068,733; July 29; Gaz. vol. 192; p. 1110.
- Bradley, Franklin F., assignor to Bradley and Vrooman Company, Chicago, Ill. Apparatus for coating objects with subdivided material. No. 1,068,734; July 29; Gaz. vol. 192; p. 1110.
- Bradley, Franklin F., assignor to Bradley and Vrooman Company, Chicago, Ill. Apparatus for coating objects with subdivided material. No. 1,068,735; July 29; Gaz. vol. 192; p. 1111.
- Bradley, Franklin F., assignor to Bradley and Vrooman Company, Chicago, Ill. Apparatus for coating objects with subdivided material. No. 1,068,736; July 29; Gaz. vol. 192; p. 1111.
- Bradley, Franklin F., assignor to Bradley & Vrooman Co., Chicago, Ill. Making paints. No. 1,077,239; Oct. 28; Gaz. vol. 195; p. 1020.
- Bradley, Harry L. (See Bradley, Lynde and H. L.)
- Bradley, Henry L., deceased; B. L. Bradley, executrix, assignor to The Atlas Manufacturing Company, New Haven, Conn. Hinge-butt. No. 1,053,900; Feb. 18; Gaz. vol. 187; p. 778.
- Bradley & Hubbard Mfg. Co., The. (See Hubbard and Hirschfeld, assignors.)
- Bradley & Hubbard Mfg. Co. (See Penfield, William A., assignor.)

Alphabetical list of inventions—Continued.

- Bradley, Ivan H., assignor to The Burns and Bassick Company, Bridgeport, Conn. Lock-mortising machine. No. 1,074,598; Oct. 7; Gaz. vol. 195; p. 4.
- Bradley, Jacob A., Wabeno, Wis. Switch-controlling mechanism. No. 1,066,989; July 8; Gaz. vol. 192; p. 406.
- Bradley, James N., Idaho Springs, Colo. Auto-lock. No. 1,059,590; Apr. 22; Gaz. vol. 189; p. 873.
- Bradley Knitting Co. (See Tyrrell, Wallace B., assignor.)
- Bradley, Leonard S., and W. H. Shattuck, assignors to Vaughan Manufacturing Company, White River Junction, Vt. Filling-nozzle. No. 1,054,500; Feb. 25; Gaz. vol. 187; p. 1022.
- Bradley, Lynde, Milwaukee, Wis. Speed-regulator for electric motors. No. 1,066,580; July 8; Gaz. vol. 192; p. 265.
- Bradley, Lynde, Milwaukee, Wis. Current-controlling device. No. 1,071,138; Aug. 26; Gaz. vol. 193; p. 803.
- Bradley, Lynde, Muskegon, Mich., assignor to Allen-Bradley Company. Current-controller. No. 1,051,480; Jan. 28; Gaz. vol. 186; p. 839.
- Bradley, Lynde, Milwaukee, Wis., assignor to Allen-Bradley Company. Electric-current controller. No. 1,051,481; Jan. 28; Gaz. vol. 186; p. 840.
- Bradley, Lynde and H. L., Muskegon, Mich., assignors to Allen-Bradley Company. Resistance device. No. 1,054,902; Mar. 4; Gaz. vol. 188; p. 85.
- Bradley, Michael T., New York, N. Y. Bottle. No. 1,068,101; July 22; Gaz. vol. 192; p. 852.
- Bradley, Peter G. (See Ford, William H., assignor.)
- Bradley, Porte M., Little Rock, Ark. Copper-back-reflector gas-heater. No. 1,051,071; Jan. 21; Gaz. vol. 186; p. 668.
- Bradley, Porte M., Little Rock, Ark. Heater. No. 1,051,072; Jan. 21; Gaz. vol. 186; p. 668.
- Bradley, Ralph L., Stellacoom, Wash. Stretcher or bed for automobiles. No. 1,082,223; Dec. 23; Gaz. vol. 197; p. 881.
- Bradley, Ralph W., Fort Collins, Colo. Electric system for operating speed-varying power transmission. No. 1,074,599; Oct. 7; Gaz. vol. 195; p. 4.
- Bradley, Richard, *et al.* (See Foss, Walter O., assignor.)
- Bradley & Vrooman Co. (See Bradley, Franklin F., assignor.)
- Bradley & Vrooman Co. (See Lotz, Rudolph W., assignor.)
- Bradley & Vrooman Co. (See Moore and McKee, assignors.)
- Bradley and Vrooman Company. (See Foster, William B., assignor.)
- Bradley, William H., San Francisco, Cal. Oil-burner. No. 1,052,126; Feb. 4; Gaz. vol. 187; p. 98.
- Bradley, William H., assignor to Duff Patents Company, Pittsburgh, Pa. Apparatus for removing ashes from gas-producers. No. 1,049,561; Jan. 7; Gaz. vol. 186; p. 84.
- Bradley, William J., assignor to Monarch Steam Blower Company, Troy, N. Y. Boiler-flue cleaner. No. 1,073,659; Sept. 23; Gaz. vol. 194; p. 779.
- Bradley, William W., Waterbury, Conn., assignor of one-half to W. L. Day, Syracuse, N. Y. Bead-chain. No. 1,051,384; Jan. 28; Gaz. vol. 186; p. 807.
- Bradner, Harry W., Tacoma, Wash., assignor to The General Patents Company, Inc., New York, N. Y. Extension-table. No. 1,079,927; Nov. 25; Gaz. vol. 196; p. 1022.
- Bradner, Harry W., Tacoma, Wash., assignor to The General Patents Company, Inc., New York, N. Y. Extension-table. No. 1,080,043; Dec. 2; Gaz. vol. 197; p. 44.
- Bradshaw, Charles E., assignor of one-half to W. Dunbar, Cleveland, Ohio. Adjustable support for concrete-building forms. No. 1,061,658; May 13; Gaz. vol. 190; p. 413.
- Bradshaw, Frank F., assignor of one-half to F. G. Thomas, Topeka, Kans. Egg-case filler. No. 1,050,098; Jan. 14; Gaz. vol. 186; p. 299.
- Bradshaw, George M. and H. S., Flint, Mich. Street-indicator for vehicles. No. 1,055,441; Mar. 11; Gaz. vol. 188; p. 302.
- Bradshaw, Hawley S. (See Bradshaw, George M. and H. S.)
- Bradshaw, James W. (See Alexander and Bradshaw.)
- Bradshaw, William M., Wilkesburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Shaft-bearing. No. 1,067,860; July 22; Gaz. vol. 192; p. 772.
- Bradstreet, Arthur H., Haverhill, Mass. Dieing-out machine. No. 1,067,461; July 15; Gaz. vol. 192; p. 603.
- Brady, Benard F., New York, N. Y. Bottle. No. 1,053,779; Feb. 18; Gaz. vol. 187; p. 739.
- Brady, Byron and S., Dunmore, Pa. Membership-record. No. 1,065,428; June 24; Gaz. vol. 191; p. 872.
- Brady, Dennis F. (See Haire, Thomas L., assignor.)
- Brady, J. Henry, Louisville, Ky. Paper drinking-cup. No. 1,053,272; Feb. 18; Gaz. vol. 187; p. 565.
- Brady, James J., and J. E. Hinson, Chester, Ga. Fish-plate for rail-joints. No. 1,068,970; July 29; Gaz. vol. 192; p. 1194.
- Brady, John, Fall River, Mass. Mote-knife roller. No. 1,082,844; Dec. 30; Gaz. vol. 197; p. 1131.
- Brady, Joseph H., Kansas City, Mo. Humidity-controlling apparatus. No. 1,062,269; May 20; Gaz. vol. 190; p. 658.
- Brady, Michael E., Chicago, Ill. Collapsible shade. No. 1,072,815; Sept. 9; Gaz. vol. 194; p. 422.
- Brady, Seldon. (See Brady, Byron and S.)
- Brady, William B., assignor of one-half to W. J. Lang, Chicago, Ill. Making bituminous concrete pavements. No. 1,071,293; Aug. 26; Gaz. vol. 193; p. 855.
- Braendle, Gottlieb, New York, N. Y. Bottle-stopper. No. 1,053,353; Feb. 18; Gaz. vol. 187; p. 593.
- Braque, Everett W., Clarington, Ohio. Spigot. No. 1,067,583; July 15; Gaz. vol. 192; p. 644.
- Braidwood, Thomas, Bridge-of-Allan, Scotland. Combined tool-box and carrier for motor and other cycles. No. 1,079,286; Nov. 18; Gaz. vol. 196; p. 766.
- Brainard, Caroline E., *et al.* (See Symonds, William H., assignor.)
- Brainard, James W. (See Glader, William, assignor.)
- Brainard, Morell L., Belfast, assignor to M. E. Sullivan, Rochester, N. Y. Egg-carrying case. No. 1,057,407; Apr. 1; Gaz. vol. 189; p. 5.
- Brainard, Sidney W., Akron, Ohio, assignor to Automatic Sprinkler Company of America, New York, N. Y. Bolt-anchor. No. 1,068,479; July 29; Gaz. vol. 192; p. 1022.
- Braine, Bancroft G., and V. C. Armstrong, assignors to The Rail Joint Company, New York, N. Y. Insulated rail-joint. No. 1,066,074; July 1; Gaz. vol. 192; p. 60.
- Braine, Daniel L., assignor to Composite Tie-Plate Corporation, New York, N. Y. Tie-plate. No. 1,076,811; Oct. 28; Gaz. vol. 195; p. 878.
- Braine, Daniel L., assignor to Composite Tie-Plate Corporation, New York, N. Y. Tie-plate. No. 1,076,812; Oct. 28; Gaz. vol. 195; p. 878.
- Braine, Daniel L., assignor to Composite Tie-Plate Corporation, New York, N. Y. Rail-supporting device. No. 1,076,813; Oct. 28; Gaz. vol. 195; p. 878.
- Braine, Daniel L., assignor to Composite Tie-Plate Corporation, New York, N. Y. Tie-plate. No. 1,076,814; Oct. 28; Gaz. vol. 195; p. 879.
- Braine, Daniel L., assignor, by mesne assignments, to Composite Tie-Plate Corporation, New York, N. Y. Rail supporting and fastening device. No. 1,081,575; Dec. 16; Gaz. vol. 197; p. 634.
- Braley, William L. (See Packham and Braley.)
- Bralley, Walter S., Schenectady, N. Y., assignor to General Electric Company. Voltage-regulator. No. 1,077,792; Nov. 4; Gaz. vol. 196; p. 189.
- Brambach Piano Company. (See Avisus, Leopold, assignor.)
- Brame, Peter E., Wilderness, Va. Folding box. No. 1,073,207; Sept. 16; Gaz. vol. 194; p. 598.
- Brampton, Frederick W., Kidderminster, England. Wheel for motor and other vehicles. No. 1,070,396; Aug. 19; Gaz. vol. 193; p. 521.
- Bramwell, James C., *et al.* (See Dohm, Frederick W., assignor.)
- Branch, Arthur M. (See Hedges and Branch.)
- Branch, Arthur M., St. Louis, Mo. Ground-drying-out system. No. 1,050,914; Jan. 21; Gaz. vol. 186; p. 615.
- Brand, David H., Trenton, N. J. Wheelbarrow. No. 1,063,112; May 27; Gaz. vol. 190; p. 977.
- Brand, George. (See Sheldon, Brand, and Marcile.)
- Brand, George P., New York, N. Y. Tracking device. No. 1,051,073; Jan. 21; Gaz. vol. 186; p. 669.
- Brand, George P., New York, N. Y. Pneumatic action for piano-players, &c. No. 1,067,969; July 22; Gaz. vol. 192; p. 808.
- Brand, George P., New York, N. Y. Take-up device for note-sheets. No. 1,070,397; Aug. 19; Gaz. vol. 193; p. 521.
- Brand, William E., Boston, Mass., assignor to Vite-A-Type Company, Portland, Me. Type-line quadder. No. 1,051,385; Jan. 28; Gaz. vol. 186; p. 807.
- Brandau, Henry. (See Hasenpflug and Brandau.)
- Brandenberger, Jaques E., Thion-les-Vosges, France. Hopper for producing cellulose plates and films. No. 1,049,658; Jan. 7; Gaz. vol. 186; p. 117.
- Brandenburg, Lewis, Portland, Ind. Clutch-drive for motor-wheels. No. 1,064,047; June 10; Gaz. vol. 191; p. 334.
- Brandt, Andrew G., Scranton, Pa. Milk-bottle. No. 1,067,237; July 15; Gaz. vol. 192; p. 526.
- Brandt, Carl, assignor to Brandt Leather Company, Norwood, Mass. Leather product and manufacturing the same. No. 1,064,048; June 10; Gaz. vol. 191; p. 335.
- Brandt Cashier Company. (See Brandt, Edward J., assignor.)
- Brandt, Charles M., Holmes, assignor of twenty-five and one-half one-hundredths to A. B. Willoughby, Philadelphia, Pa. Mantle-retainer. No. 1,061,659; May 13; Gaz. vol. 190; p. 413.
- Brandt, Charles M., Holmes, assignor of twenty-five and one-half one-hundredths to A. B. Willoughby, Philadelphia, Pa. Mantle-retainer. No. 1,061,812; May 13; Gaz. vol. 190; p. 461.
- Brandt, Edward J., Watertown, Wis., assignor to Brandt Cashier Company, Chicago, Ill. Coin-delivery machine. No. 1,068,307; July 22; Gaz. vol. 192; p. 924.

Alphabetical list of inventions—Continued.

- Brandt, Edward J., Watertown, Wis., assignor to Brandt Cashier Company, Chicago, Ill. Coin-delivery machine. No. 1,068,308; July 22; Gaz. vol. 192; p. 925.
- Brandt, George F., Boston, Mass. Fountain-pen. No. 1,072,073; Sept. 2; Gaz. vol. 194; p. 138.
- Brandt Leather Company. (See Brandt, Carl, assignor.)
- Brandt Manufacturing Company. (See King, William T., assignor.)
- Brandt, Theodore J., Gresham, Oreg. Ice-cream-cone disher. No. 1,069,226; Aug. 5; Gaz. vol. 193; p. 49.
- Brangier, P. A. (See Jubien, Pierre, assignor.)
- Branham, James L., and H. Campbell, San Jon, N. Mex. Track-crossing. No. 1,049,444; Jan. 7; Gaz. vol. 186; p. 43.
- Branning, Edwhin O., Gates, assignor of one-half to E. Boshart, Rochester, N. Y. Mechanical movement. No. 1,053,969; Feb. 25; Gaz. vol. 187; p. 839.
- Brantitzky, William T., assignor of one-fourth to J. Hausler, Chicago, Ill. Animal-trap. No. 1,077,666; Nov. 4; Gaz. vol. 196; p. 147.
- Branning, Lucian E. (See Henry and Branning.)
- Brannon, Harry, Philadelphia, Pa. Eyeglass-repairing device. No. 1,064,606; June 10; Gaz. vol. 191; p. 526.
- Brannon, John E., and W. A. Goshen, Fontanet, Ind. Nut-lock. No. 1,055,867; Mar. 11; Gaz. vol. 188; p. 444.
- Brannon, John E., and P. Michael, Fontanet, Ind. Faucet. No. 1,059,824; Apr. 22; Gaz. vol. 189; p. 949.
- Branson, John W., Wallace, Va. Metal-shearing machine. No. 1,073,583; Sept. 16; Gaz. vol. 194; p. 729.
- Branson, Lee S., Riceboro, Ga. Guard for wire fences. No. 1,051,674; Jan. 28; Gaz. vol. 186; p. 905.
- Brantingham, Allen C., Toledo, Ohio. Elevator. No. 1,054,273; Feb. 25; Gaz. vol. 187; p. 942.
- Brantingham, Allen C., Toledo, Ohio. Automatic feed-gate for roller-mills. No. 1,054,334; Feb. 25; Gaz. vol. 187; p. 963.
- Braren, Wilhelm. (See Lüttringhaus and Braren.)
- Brashear, Peter C., *et al.* (See Hilfrank, Edward, assignor.)
- Brashear, Peter C., assignor of one-half to E. Bryant, Castleton, N. Y. Paper box. No. 1,075,812; Oct. 14; Gaz. vol. 195; p. 448.
- Brasier, William H., Corpus Christi, Tex. Stump-burner. No. 1,082,619; Dec. 30; Gaz. vol. 197; p. 1052.
- Brass & Copper Products Company. (See Cook, Edward G., assignor.)
- Brassert, Herman A., and R. W. Cousins, Chicago, Ill. Apparatus for and method of cleaning gases. No. 1,070,398; Aug. 19; Gaz. vol. 193; p. 521.
- Brassert, Hermann A., Chicago, Ill. Apparatus for cleaning gas. No. 1,066,704; July 8; Gaz. vol. 192; p. 310.
- Brasseur, Charles L. A., Orange, N. J. Making party-colored screens for use in color photography. No. 1,081,484; Dec. 16; Gaz. vol. 197; p. 606.
- Brasseur, Ernest J., assignor to A. B. Dick Company, Chicago, Ill. Sheet-feeding apparatus. No. 1,071,690; Sept. 2; Gaz. vol. 194; p. 6.
- Bratton, Carl H., Walnut township, Montgomery county, Ind. Tea-kettle. No. 1,049,659; Jan. 7; Gaz. vol. 186; p. 117.
- Bratzel, Fredrick H., Gresham, Oreg. Fruit-picker. No. 1,083,053; Dec. 30; Gaz. vol. 197; p. 1201.
- Brauchla, John G., Warren, Ind. Silo. No. 1,054,085; Feb. 25; Gaz. vol. 187; p. 878.
- Brauer, Arthur J., St. Louis, Mo. Dog-muzzle. No. 1,068,971; July 29; Gaz. vol. 192; p. 1194.
- Brauer, Ernst H., assignor of four-ninths to C. G. Strickler, Lancaster, Pa. Water turbine-wheel. No. 1,065,208; June 17; Gaz. vol. 191; p. 758.
- Brauer, Karl, Lyndhurst, N. J. Life-preserver. No. 1,060,889; May 6; Gaz. vol. 190; p. 113.
- Braun, Charles A., Chicago, Ill., assignor, by mesne assignments, to The American Automatic Advertising Co. Picture-exhibiting machine. No. 1,082,260; Dec. 23; Gaz. vol. 197; p. 896.
- Braun, Frederick W. (See Beach, Oscar C., assignor.)
- Braun, Frederick W., Los Angeles, Cal. Manufacturing solid fertilizer. No. 1,058,145; Apr. 8; Gaz. vol. 189; p. 302.
- Braun, Frederick W., and O. C. Beach, Los Angeles, Cal.; said Beach assignor to said Braun. Zinc-shaving machine. No. 1,064,284; June 10; Gaz. vol. 191; p. 416.
- Braun, Georg, Munich, H. V. Luithlen and W. Neumann, Andernach, Germany. Production of soup or broth-like substances or liquids. No. 1,073,392; Sept. 16; Gaz. vol. 194; p. 664.
- Braun, Joseph. (See Fleischmann, Samuel, assignor.)
- Braun, Robert, La Crosse, Wis. Garden tool or cultivator. No. 1,070,766; Aug. 19; Gaz. vol. 193; p. 647.
- Braun, Sidney D. R., Chicago, Ill. Bracket-holder for flower-vases. No. 1,074,239; Sept. 30; Gaz. vol. 194; p. 1003.
- Braund, Ralph C. (See Koster, William J., assignor.)
- Bräuning, Karl A., Herstal, Belgium. Gun. No. 1,070,579; Aug. 19; Gaz. vol. 193; p. 585.
- Bräuning, Karl A., Herstal, Belgium. Sight for firearms. No. 1,070,767; Aug. 19; Gaz. vol. 193; p. 647.
- Bräuning, Karl A., Herstal, Belgium. Firing mechanism for automatic firearms. No. 1,073,588; Sept. 23; Gaz. vol. 194; p. 752.
- Braunton, Harold, San Francisco, Cal. Automatic oil-relief valve. No. 1,066,179; July 1; Gaz. vol. 192; p. 98.
- Braunton, Harold, San Francisco, Cal. Ignition system for rotary oscillating-cylinder engines. No. 1,071,602; Aug. 26; Gaz. vol. 193; p. 957.
- Bräutigam, Josef, assignor, by mesne assignments, of one-half to F. A. Rolf, Detroit, Mich. Carbureter. No. 1,072,565; Sept. 9; Gaz. vol. 194; p. 335.
- Braveman, Isidor, and J. Schmidt, New York, N. Y. Hat-fastener. No. 1,071,691; Sept. 2; Gaz. vol. 194; p. 7.
- Brawley, Charles H., Whitefish, Mont. Car-wheel grinder. No. 1,050,915; Jan. 21; Gaz. vol. 186; p. 615.
- Brawner, Budd W., Augusta, Ga. Automatic controlling device for electrically-heated apparatus. No. 1,077,038; Oct. 28; Gaz. vol. 195; p. 958.
- Bray, Alfred E., Lubertzy, Russia. Fuel-supply regulator for internal-combustion engines. No. 1,080,887; Dec. 9; Gaz. vol. 197; p. 369.
- Bray, Joseph, Arlington Station, Cal. Vehicle-wheel. No. 1,077,388; Nov. 4; Gaz. vol. 196; p. 51.
- Bray, Reginald J., Dublin, Ireland, assignor to Elliott-Fisher Company, Harrisburg, Pa. Reset-guard for adding-machines. No. 1,068,309; July 22; Gaz. vol. 192; p. 925.
- Bray, William I., assignor of one-half to M. M. Cohn, Tonopah, Nev. Trunk-binder. No. 1,081,657; Dec. 16; Gaz. vol. 197; p. 661.
- Brayman, Frank A., Benton Harbor, Mich. Trap. No. 1,071,025; Aug. 26; Gaz. vol. 193; p. 764.
- Brayton, Frederick J., Oklahoma, Okla. Milk-strainer. No. 1,070,322; Aug. 12; Gaz. vol. 193; p. 454.
- Brázda, Theodor, Pilsen, E. Richter and A. Schückher, Vienna, Austria-Hungary. Apparatus for preventing the formation of boiler-scale. No. 1,059,430; Apr. 22; Gaz. vol. 189; p. 820.
- Brázda, Theodor, Pilsen, E. Richter and A. Schückher, Vienna, Austria-Hungary. Preventing the formation of boiler-scale. No. 1,059,431; Apr. 22; Gaz. vol. 189; p. 821.
- Brazelle, Benjamin, St. Louis, Mo. Single-acting engine. No. 1,065,339; June 24; Gaz. vol. 191; p. 841.
- Brazier, Alexander, Oakland, Cal. Saw. No. 1,060,157; Apr. 29; Gaz. vol. 189; p. 1104.
- Brazier, Alexander, Oakland, Cal. Saw. No. 1,076,815; Oct. 28; Gaz. vol. 195; p. 879.
- Bready, Joseph W., assignor of one-third to C. P. Kenney, Springfield, Mass. Resilient wheel-hub. No. 1,080,253; Dec. 2; Gaz. vol. 197; p. 117.
- Breckell, Thomas, Wirksworth, England. Filtering apparatus. No. 1,064,702; June 17; Gaz. vol. 191; p. 594.
- Breaker, Harry O., assignor to B. F. Sturtevant Company, Boston, Mass. Water-heater. No. 1,067,861; July 22; Gaz. vol. 192; p. 772.
- Breakey, James W., *et al.* (See Redmond, John E., assignor.)
- Breakwell, Percival H., Philadelphia, Pa., assignor to Packard Motor Car Company, Detroit, Mich. Bearing and support therefor. No. 1,058,717; Apr. 15; Gaz. vol. 189; p. 534.
- Brearely, Arthur W. (See Hoyle and Brearely.)
- Breault, George A., Fall River, Mass. Mold-forming mechanism. No. 1,065,774; June 24; Gaz. vol. 191; p. 990.
- Breck, George, San Francisco, Cal. Gas-fixture. No. 1,049,986; Jan. 7; Gaz. vol. 186; p. 225.
- Breckenridge, George M., assignor of one-third to J. P. McManus, Chicago, Ill. Printing-machine. No. 1,080,321; Dec. 2; Gaz. vol. 197; p. 141.
- Bredenberg, Alfred, Champlain, N. Y., assignor of one-half to The Sheridan Iron Works and one-half to T. W. & C. B. Sheridan Company. Bookbinding-machine. No. 1,051,074; Jan. 21; Gaz. vol. 186; p. 669.
- Bredenberg, Alfred, Champlain, N. Y., assignor of one-half to The Sheridan Iron Works and one-half to T. W. & C. B. Sheridan Company. Sheet-feeding mechanism for embossing-presses. No. 1,053,566; Feb. 18; Gaz. vol. 187; p. 666.
- Bredenberg, Alfred, Champlain, N. Y., assignor of one-half to The Sheridan Iron Works and one-half to T. W. & C. B. Sheridan Company. Bookbinding and covering machine. No. 1,073,324; Sept. 16; Gaz. vol. 194; p. 640.
- Breece, Charles O. (See Breece, John T., assignor.)
- Breece, Charles O. (See Breece, John T. and C. O.)
- Breece, John T., assignor of one-half to C. O. Breece, Portsmouth, Ohio. Bending wood. No. 1,052,405; Feb. 4; Gaz. vol. 187; p. 191.
- Breece, John T. and C. O., Portsmouth, Ohio. Round-top work. No. 1,057,927; Apr. 1; Gaz. vol. 189; p. 182.
- Breed, Charles W., assignor to The P. & M. Co., Chicago, Ill. Anticreeper for rails. No. 1,075,187; Oct. 7; Gaz. vol. 195; p. 206.
- Breed, George, Philadelphia, Pa., assignor to The Lyra-chord Company, New York, N. Y. Method and mechanism for producing musical sounds. No. 1,051,675; Jan. 28; Gaz. vol. 186; p. 905.

Alphabetical list of inventions—Continued.

- Breed, Preston H., Pittsfield, Mass., assignor, by mesne assignments, to Alden Sampson Manufacturing Company. Chain-case and cooperating parts for motor-vehicles. No. 1,049,660; Jan. 7; Gaz. vol. 186; p. 118.
- Breeden, Henry, Vienna, Va. Sap-receiving apron and receptacle. No. 1,051,981; Feb. 4; Gaz. vol. 187; p. 46.
- Breeden, Prince B., Norfolk, Va. Combined rake and pitchfork. No. 1,061,217; May 6; Gaz. vol. 190; p. 224.
- Breeden, William S., Millville, N. J. Tooth-brush holder. No. 1,061,976; May 20; Gaz. vol. 190; p. 558.
- Breen, John H. (See Lackland, Samuel H., assignor.)
- Breen, Michael J., Rockford, Ill. Corn-planter. No. 1,051,075; Jan. 21; Gaz. vol. 186; p. 669.
- Breglia, John E., New York, N. Y. Shade. No. 1,057,323; Mar. 25; Gaz. vol. 188; p. 1004.
- Bréhier, Charles L., Paris, France. Apparatus for the manufacture of metallic hoops. No. 1,052,433; Feb. 4; Gaz. vol. 187; p. 201.
- Brehmer, Carl F., and O. Kneidler, Philadelphia, Pa. Sectional sign-supporting frame. No. 1,057,800; Apr. 1; Gaz. vol. 189; p. 138.
- Breil, Wilhelm, Essen-on-the-Ruhr, Germany. Mine-shaft lining. No. 1,051,076; Jan. 21; Gaz. vol. 186; p. 670.
- Breinig, Warren L. (See Gold and Breinig.)
- Breitenfeld, Rudolph A., Madison, Wis. Shade and curtain adjuster. No. 1,052,406; Feb. 4; Gaz. vol. 187; p. 191.
- Breithaupt, Alwin, Hoboken, N. J. Door-lock. No. 1,070,580; Aug. 19; Gaz. vol. 193; p. 585.
- Breitung, Edward N. (See Pick, Alfred, assignor.)
- Breitung, Edward N., Marquette, Mich. Automobile-tire. No. 1,081,010; Dec. 9; Gaz. vol. 197; p. 409.
- Brelsford, George. (See Gosling, Allen, assignor.)
- Bremer & Brückmann. (See Brückmann and Dempewolf, assignors.)
- Bremer, Christian F., Tampa, Fla. Cigar-making machine. No. 1,080,949; Dec. 9; Gaz. vol. 197; p. 390.
- Bremer Linoleumwerke Delmenhorst. (See Werner, Carl G. E., assignor.)
- Bremer Linoleumwerke Delmenhorst. (See Wilkens, Friedrich, assignor.)
- Bremer, William A., Holland, Mich. Miter-box. No. 1,063,113; May 27; Gaz. vol. 190; p. 977.
- Bremerman, Franklin B., Indianapolis, Ind. Internal-combustion engine. No. 1,078,991; Nov. 18; Gaz. vol. 196; p. 666.
- Bremsey, Max, New Rochelle, N. Y. Mechanically-operated road-map. No. 1,064,694; June 10; Gaz. vol. 191; p. 556.
- Bremsey, Max, New Rochelle, N. Y. Clothes-line clamp. No. 1,070,399; Aug. 19; Gaz. vol. 193; p. 522.
- Brenauer, Leopold, New York, N. Y. Combined cigar-box and humidior. No. 1,082,399; Dec. 23; Gaz. vol. 197; p. 944.
- Brendlinger, Mosheim T., Pitcairn, Pa. Lamp-bracket. No. 1,055,015; Mar. 4; Gaz. vol. 188; p. 122.
- Brenjord, John, *et al.* (See Schell, Max P., assignor.)
- Brennan, Charles M., Chicago, Ill. Eyebrow-shield. No. 1,055,382; Mar. 11; Gaz. vol. 188; p. 281.
- Brennan, James A. (See Rodgers and Brennan.)
- Brennan, John J., assignor to J. Bromley & Sons, Philadelphia, Pa. Pattern-setting machine. No. 1,063,114; May 27; Gaz. vol. 190; p. 978.
- Brennan, Mark P. (See O'Connor and Brennan.)
- Brennan, Michael J., Tompkinsville, N. Y. Sleet-scraper for trolleys. No. 1,063,501; June 3; Gaz. vol. 191; p. 111.
- Brennan, Thomas, Jr. (See Beeman and Brennan.)
- Brennan, Thomas, Jr., St. Louis Park, Minn., assignor to Monitor Drill Company. Grain-drill. No. 1,061,521; May 13; Gaz. vol. 190; p. 365.
- Brennan, Thomas F. (See Mullen and Brennan.)
- Brennan, William R., Chicago, Ill. Pulley-line holder. No. 1,055,128; Mar. 4; Gaz. vol. 188; p. 161.
- Brenner, Charles M., Shreveport, La. Valve-float for closet-tanks. No. 1,076,546; Oct. 21; Gaz. vol. 195; p. 730.
- Brensdal, Lasse, Pierre, S. D. Shingle-bread machine. No. 1,055,129; Mar. 4; Gaz. vol. 188; p. 161.
- Brent, Henry W., Jr., Baltimore, Md. Oil-burner. No. 1,082,796; Dec. 30; Gaz. vol. 197; p. 1115.
- Brenzinger, Julius, Mount Vernon, N. Y., assignor to Sanitary Can Machinery Company, Ellsworth, Me. Flanging-machine. No. 1,058,942; Apr. 15; Gaz. vol. 189; p. 615.
- Breslin, Andrew, *et al.* (See Barrett, Louis V., assignor.)
- Breslin, Daniel J., Roanoke, Va. Riding-breeches. No. 1,066,881; July 8; Gaz. vol. 192; p. 368.
- Bresnahan, Cornelius, Detroit, Mich. Pumping apparatus. No. 1,050,916; Jan. 21; Gaz. vol. 186; p. 615.
- Bretherton, Sidney E., Berkeley, Cal. Means for the maintenance of gas in confinement. No. 1,082,797; Dec. 30; Gaz. vol. 197; p. 1115.
- Bretney, Edward S., South Lebanon, Ohio. Motor-boat. No. 1,049,661; Jan. 7; Gaz. vol. 186; p. 118.
- Bretsnyder, Ferdinand C., *et al.* (See Porter, John W., assignor.)
- Brett, Franklin A., Oak Park, Ill. Scrubbing-machine. No. 1,062,533; May 20; Gaz. vol. 190; p. 744.
- Brett, William P., Decatur, Ill. Windmill. No. 1,067,970; July 22; Gaz. vol. 192; p. 808.
- Brettell, Oliver C. G., Wilkesburg, assignor to Anchor Sanitary Co., Pittsburgh, Pa. Water-closet. No. 1,050,099; Jan. 14; Gaz. vol. 186; p. 300.
- Breuchaud, Jules, assignor to The Underpinning & Foundation Company, New York, N. Y. Construction of supports for building-walls, &c. (Reissue.) No. 13,532; Feb. 18; Gaz. vol. 187; p. 799.
- Breuer, Martin W., Denver, Colo. Fluid-elevating apparatus. No. 1,074,043; Sept. 23; Gaz. vol. 194; p. 908.
- Brewer Belt and Buckle Company. (See Brewer, Charles A., assignor.)
- Brewer, Charles A., Noroton Heights, Conn., assignor to Brewer Belt and Buckle Company, Inc. Buckle. No. 1,069,758; Aug. 12; Gaz. vol. 193; p. 260.
- Brewer, Charles B., Hyattsville, Md. Game. No. 1,065,775; June 24; Gaz. vol. 191; p. 990.
- Brewer, Governor L., assignor of one-half to J. Musil, Beach, N. D. Toy. No. 1,062,219; May 20; Gaz. vol. 190; p. 640.
- Brewer, Harry W., Hutchinson, Kans. Pencil-printing machine. No. 1,068,851; July 29; Gaz. vol. 192; p. 1153.
- Brewer, Harry W., assignor of one-half to F. D. Larabee, Hutchinson, Kans. Multicolor-printing press. No. 1,068,480; July 29; Gaz. vol. 192; p. 1023.
- Brewer, Horace L., Camden, N. J., assignor to Modern Safety Gas Iron Company, Philadelphia, Pa. Gas-heated iron. No. 1,083,238; Dec. 30; Gaz. vol. 197; p. 1259.
- Brewer, John T., Tonkawa, Okla. Acetylene-gas generator. No. 1,070,665; Aug. 19; Gaz. vol. 193; p. 613.
- Brewer, Luther R., Hickory, N. C. Ironing-table. No. 1,080,950; Dec. 9; Gaz. vol. 197; p. 390.
- Brewerton, W. A., *et al.* (See Moore, Justus J., assignor.)
- Brewington, Henry S., Baltimore, Md. Hair-crimper. No. 1,055,603; Mar. 11; Gaz. vol. 188; p. 354.
- Brewington, Henry S., Baltimore, Md. Register for telephone-calls. No. 1,068,972; July 29; Gaz. vol. 192; p. 1194.
- Brewington, Henry S., Baltimore, Md. Garment-stay. No. 1,081,011; Dec. 9; Gaz. vol. 197; p. 409.
- Brewitt, Walter, assignor to Th. Goldschmidt, a Firm, Essen-on-the-Ruhr, Germany. Means for forming parallel faces on the ends of rails, &c. No. 1,075,755; Oct. 14; Gaz. vol. 195; p. 429.
- Brewster, Arthur P. (See Roberts, Brewster, and Bryson.)
- Brewster, George A., New York, N. Y. Burglar-alarm. No. 1,065,861; June 24; Gaz. vol. 191; p. 1018.
- Brewster, James N., New York, N. Y. Autotruck-body. No. 1,063,115; May 27; Gaz. vol. 190; p. 978.
- Brewster, William F., Chicago, Ill. Portable lamp. No. 1,050,334; Jan. 14; Gaz. vol. 186; p. 379.
- Brewster, William F., Chicago, Ill. Portable lamp. No. 1,057,408; Apr. 1; Gaz. vol. 189; p. 6.
- Brewster, William P., assignor of one-half to H. A. Upshaw, St. Louis, Mo. Respirator. No. 1,050,718; Jan. 14; Gaz. vol. 186; p. 508.
- Breyer, Theodor E., Willmette, assignor to Corn Products Refining Company, Chicago, Ill. Mold for confectionery. No. 1,074,600; Oct. 7; Gaz. vol. 195; p. 5.
- Breyfogle, Charles A., Allentown, Pa. Slot-machine. No. 1,053,473; Feb. 18; Gaz. vol. 187; p. 634.
- Breyfogle, John W. (See Roberts, Garfield A., assignor.)
- Briand, Charles C., Revere, Mass., assignor to Peter Gray & Sons. Lantern or lamp. No. 1,062,220; May 20; Gaz. vol. 190; p. 641.
- Brice, Edward C., Mansfield, Ark. Primary battery. No. 1,049,333; Jan. 7; Gaz. vol. 186; p. 5.
- Brice, Michael M., Savannah, Ga. Combination-tool-handle pliers. No. 1,069,106; Aug. 5; Gaz. vol. 193; p. 6.
- Brice, R. E. (See McCord, Horace M., assignor.)
- Brick, Charles W., Crosswicks, N. J. Ventilator for brooder-houses. No. 1,063,769; June 3; Gaz. vol. 191; p. 207.
- Brickell, Richard W. (See Prior and Brickell.)
- Brickenstein, John H., *et al.* (See Friedberger, Otto, assignor.)
- Bricker, Barney B., *et al.* (See Landis, David D., assignor.)
- Bricker, George S., Newville, Pa. Trowel. No. 1,067,301; July 15; Gaz. vol. 192; p. 550.
- Bricker, Leander C., Seattle, Wash. Silo ladder attachment. No. 1,049,804; Jan. 7; Gaz. vol. 186; p. 165.
- Bricker, Samuel S., *et al.* (See Landis, David D., assignor.)
- Bricker, Samuel S., Philadelphia, Pa. Burial device. No. 1,051,386; Jan. 28; Gaz. vol. 186; p. 807.
- Briden, Robert, receiver. (See Palmer, Charles.)
- Bridge, Edward H., Spotswood, Victoria, Australia. Apparatus for recording calls made by telephone. No. 1,064,049; June 10; Gaz. vol. 191; p. 335.
- Bridge, Lewis C., Elmira, N. Y. Printing-machine. No. 1,049,987; Jan. 7; Gaz. vol. 186; p. 226.
- Bridgeport Brass Company, The. (See Begg and Moore, assignors.)
- Bridgeport Brass Company. (See Clark, Robert, assignor.)
- Bridgeport Hardware Manufacturing Corporation, The. (See Hobbs, Willis F., assignor.)

Alphabetical list of inventions—Continued.

- Bridgeport Motor Co., The. (See Cram, Harry O., assignor.)
- Bridgers, Henry C. (See Guerrant, George M., assignor.)
- Bridgers, James H. (See Beckham, James O., assignor.)
- Bridgman, Robert S. (See Deason, Adolphus E., assignor.)
- Briede, Joseph H., assignor of one-fourth to A. Hauser, one-fourth to A. C. Hall, Bellevue, and one-fourth to F. B. Freeman, Dayton, Ky. Dust-collector. No. 1,049,988; Jan. 7; Gaz. vol. 186; p. 226.
- Briegleb, Charles F. (See Davis, John W., assignor.)
- Brieloff, Joseph, New York, N. Y. Photographing apparatus. No. 1,070,400; Aug. 19; Gaz. vol. 193; p. 522.
- Brigden, Arthur, Albertville, Ala. Spring-tooth cultivator. No. 1,061,354; May 13; Gaz. vol. 190; p. 306.
- Brigel, Leo A., Cincinnati, Ohio. Mechanism for forming sheet-metal objects. No. 1,050,516; Jan. 14; Gaz. vol. 186; p. 444.
- Brigel, Leo A., Cheviot, Ohio. Automobile heating apparatus. No. 1,063,647; June 3; Gaz. vol. 191; p. 165.
- Brigger, William, St. Bernard, Ohio. Hydraulic motor. No. 1,058,718; Apr. 15; Gaz. vol. 189; p. 535.
- Briggs, Arthur C., Detroit, Mich. Lead-in for fish-pounds. No. 1,082,998; Dec. 30; Gaz. vol. 197; p. 1184.
- Briggs, Arthur J., assignor to The Smith Premier Type-writer Company, Syracuse, N. Y. Type-writing machine. No. 1,080,254; Dec. 2; Gaz. vol. 197; p. 118.
- Briggs, Bert H. (See L'Anglois, Joseph T., assignor.)
- Briggs, Frederick. (See Lendner and Briggs.)
- Briggs, Frederick, Washington, D. C. Apparatus for cooking meats. No. 1,079,160; Nov. 18; Gaz. vol. 196; p. 726.
- Briggs, George A., Elkhart, Ind. Shaft-connector. No. 1,057,928; Apr. 1; Gaz. vol. 189; p. 182.
- Briggs, George W. (See Stauffer and Briggs.)
- Briggs, Herbert B., Tacoma, Wash. Valve-operating mechanism for engines. No. 1,072,566; Sept. 9; Gaz. vol. 194; p. 335.
- Briggs, James E., Waterloo, Iowa. Concrete-spreader. No. 1,054,821; Mar. 4; Gaz. vol. 188; p. 59.
- Briggs, James E., Waterloo, Iowa. Steering mechanism. No. 1,055,313; Mar. 11; Gaz. vol. 188; p. 257.
- Briggs, James E., Waterloo, Iowa. Dumping-cart. No. 1,060,313; Apr. 29; Gaz. vol. 189; p. 1159.
- Briggs, Oscar H., Providence, R. I. Conveyer-chute. No. 1,064,815; June 17; Gaz. vol. 191; p. 631.
- Briggs, Stephen F., assignor to Briggs & Stratton Company, Milwaukee, Wis. Igniter for gas-engines. No. 1,050,799; Jan. 21; Gaz. vol. 186; p. 571.
- Briggs & Stratton Company. (See Briggs, Stephen F., assignor.)
- Briggs, Thomas L., Flushing, N. Y., and H. F. Merriam, Summit, N. J., assignors to General Chemical Company, New York, N. Y. Apparatus for the manufacture of fuming sulfuric acid or oleum. No. 1,082,301; Dec. 23; Gaz. vol. 197; p. 911.
- Briggs, William, and R. H. Scott, Youngstown, Ohio. Mail-chute. No. 1,066,990; July 8; Gaz. vol. 192; p. 406.
- Briggs, William N., Raleigh, Tenn. Scale attachment. No. 1,057,324; Mar. 25; Gaz. vol. 188; p. 1005.
- Brigham, Charles H., Brooklyn, N. Y., assignor to Powdered Milk Company of America. Desiccating process. No. 1,071,692; Sept. 2; Gaz. vol. 194; p. 7.
- Brigham, Frederick L., Montclair, N. J. Buckle. No. 1,052,882; Feb. 11; Gaz. vol. 187; p. 386.
- Bright, Claude H., Jr., Memphis, Tenn. Printing-press. No. 1,081,887; Dec. 16; Gaz. vol. 197; p. 739.
- Bright, Colonel E., Columbus, Ohio. Cushion-tire. No. 1,081,425; Dec. 16; Gaz. vol. 197; p. 585.
- Bright, Colonel E., Columbus, Ohio. Cushion element for resilient tires. No. 1,081,426; Dec. 16; Gaz. vol. 197; p. 585.
- Bright, Edward, Morris, Ill. Cigar-clippers. No. 1,049,445; Jan. 7; Gaz. vol. 186; p. 44.
- Bright, Fred E., Philadelphia, Pa. Mechanical movement. No. 1,074,832; Oct. 7; Gaz. vol. 195; p. 82.
- Bright, Fred E., assignor to The Hess-Bright Manufacturing Company, Philadelphia, Pa. Antifriction-bearing. No. 1,071,693; Sept. 2; Gaz. vol. 194; p. 7.
- Bright, Fred E., Philadelphia, Pa., assignor to The Hess-Bright Manufacturing Company. Antifriction-bearing. No. 1,072,080; Sept. 2; Gaz. vol. 194; p. 140.
- Bright, Graham. (See Aspinwall and Bright.)
- Bright, Hoyt V. (See Allison, James E., assignor.)
- Bright, James E., Lamont, Nebr. Combination hay and hog rack. No. 1,069,759; Aug. 12; Gaz. vol. 193; p. 261.
- Bright, Martin C., assignor of one-half to S. M. Brundage, Indianapolis, Ind. Starter for explosive-engines. No. 1,082,261; Dec. 23; Gaz. vol. 197; p. 896.
- Bright, William S., deceased, Norfolk, Va.; P. S. Cotten, administrator. Train-pipe coupling. No. 1,066,446; July 1; Gaz. vol. 192; p. 187.
- Brill, Max. (See Angell, Edward C., assignor.)
- Brillié, Auguste E. (See Lion and Brillié.)
- Brillion Iron Works. (See Ariens, Henry, assignor.)
- Brimfield, William, Blue Anchor, N. J. Steam-shovel. No. 1,067,462; July 15; Gaz. vol. 192; p. 603.
- Brinckmann, Georg, Bremen, Germany, assignor of one-half to K. Farkas, Glen Ridge, N. J. Traveling-trunk and the like. No. 1,080,255; Dec. 2; Gaz. vol. 197; p. 118.
- Brindle, Thomas, Providence, R. I., assignor to R. Burgess, Newton, Mass., and R. B. Goff, Providence, R. I. Woven fabric. No. 1,057,477; Apr. 1; Gaz. vol. 189; p. 28.
- Brine, Samuel C. L., Los Angeles, Cal. Hat-pin protector. No. 1,069,845; Aug. 12; Gaz. vol. 193; p. 291.
- Brink, Carl A. (See Wardwell and Brink.)
- Brink, Frank J., assignor to Ackley and Brink Manufacturing Company, Cincinnati, Ohio. Distributer. No. 1,067,780; July 15; Gaz. vol. 192; p. 711.
- Brink, George B., Plymouth, Mich. Spring structure. No. 1,061,218; May 6; Gaz. vol. 190; p. 225.
- Brink, George B., Plymouth, Mich. Spring structure. No. 1,061,219; May 6; Gaz. vol. 190; p. 225.
- Brink, John, Hamilton, Mich. Silo. No. 1,049,989; Jan. 7; Gaz. vol. 186; p. 226.
- Brink, Lewis R. (See Murray, Brink, and Malmstrom.)
- Brinker, Aloys H., et al. (See Leming, Charles A., assignor.)
- Brinkerhoff, George F., Cuyahoga Falls, Ohio. Penholder. No. 1,073,208; Sept. 16; Gaz. vol. 194; p. 598.
- Brinkerhoff, Ira, Huntington, Utah. Farming implement. No. 1,063,849; June 3; Gaz. vol. 191; p. 233.
- Brinkman, Dirk H., Sheldon, Iowa. Spring-wheel. No. 1,068,408; July 29; Gaz. vol. 192; p. 998.
- Brinkman, Oscar F., Lancaster, Pa. Buffer for automobiles. No. 1,049,334; Jan. 7; Gaz. vol. 186; p. 6.
- Brion, Harry O., Gates, N. Y. Automatic advertising apparatus. No. 1,059,110; Apr. 15; Gaz. vol. 189; p. 674.
- Briones, Paul, Bolinas, Cal. Ship construction. No. 1,076,624; Oct. 21; Gaz. vol. 195; p. 759.
- Bristol Company, The. (See Bristol, William H., assignor.)
- Bristol Company, The. (See Codling, Robert B., assignor.)
- Bristol, Edgar H., and W. E. Goodyear, Naugatuck, assignors to The Industrial Instrument Company, Waterbury, Conn. Measuring or controlling instrument. No. 1,060,812; May 6; Gaz. vol. 190; p. 84.
- Bristol, George H., assignor to Earl & Wilson, Troy, N. Y. Collar. No. 1,069,760; Aug. 12; Gaz. vol. 193; p. 261.
- Bristol, William H., assignor to The Bristol Company, Waterbury, Conn. Electrical indicating or recording apparatus. No. 1,059,328; Apr. 15; Gaz. vol. 189; p. 747.
- Bristow, Frederick, East Orange, N. J. Letter and document distributor. No. 1,080,888; Dec. 9; Gaz. vol. 197; p. 370.
- Bristow, Frederick W., et al. (See Hudgins, William F., assignor.)
- Bristow, Frederick W., Dorrisville, Ill. Spring-wheel. No. 1,064,438; June 10; Gaz. vol. 191; p. 470.
- Bristow, George O., Cuero, Tex. Railway-crossing. No. 1,076,405; Oct. 21; Gaz. vol. 195; p. 681.
- British Cyanides Company, The. (See Rossiter, Edmund C., assignor.)
- British Insulated and Helsby Cables Limited. (See Bayles, Ernest A., assignor.)
- British Reinforced Concrete Engineering Company Limited. (See Storey, Andrew W., assignor.)
- Britsch, Louis F., Pforzheim, Germany. Soldering links of chains. No. 1,060,062; Apr. 29; Gaz. vol. 189; p. 1071.
- Brittain, John B., Crichton, Ala. Sanitary attachment for closet-bowls. No. 1,070,108; Aug. 12; Gaz. vol. 193; p. 380.
- Brittell, Joseph, Port Henry, N. Y. Vehicle-wheel. No. 1,049,335; Jan. 7; Gaz. vol. 186; p. 6.
- Britting, William J., Washington, D. C. Adjustable window-shade carrier. No. 1,051,192; Jan. 21; Gaz. vol. 186; p. 709.
- Britts, Peter W., Arleta, Oreg. Boiler and economizer. No. 1,061,444; May 13; Gaz. vol. 190; p. 336.
- Brittsan, Robert W., and A. L. Van Horn, Klamathon, Cal. Wrench. No. 1,065,209; June 17; Gaz. vol. 191; p. 758.
- Britz, Mathias. (See Molitor, Martin J., assignor.)
- Broad, William, Beaver Falls, Pa. Locking mechanism for electric-lamp sockets. No. 1,053,354; Feb. 18; Gaz. vol. 187; p. 593.
- Broadbent, Thomas, and J. Mates, Schenectady, N. Y. Method of and means for giving signals. No. 1,078,823; Nov. 18; Gaz. vol. 196; p. 609.
- Broadberry, Waldie, Oakmont, Pa. Coin-clip. No. 1,053,704; Feb. 18; Gaz. vol. 187; p. 715.
- Broadwell, Allie M., Detroit, Mich. Railway-tie. No. 1,057,031; Mar. 25; Gaz. vol. 188; p. 907.
- Broady, Wickliff M., Broadwater, Nebr. Weed-cutter. No. 1,081,658; Dec. 16; Gaz. vol. 197; p. 661.
- Broberg, E. J., et al. (See Feller, Adolph F., assignor.)
- Broberg, Henry, Warm Springs, Mont. Rail-joint. No. 1,069,846; Aug. 12; Gaz. vol. 193; p. 291.
- Brobst, John E. (See Murphy and Brobst.)
- Brochu, Alfred, assignor of one-fourth to J. Geroux, one-half to W. L. Dustman, and one-fourth to J. Brunelle, North Yakima, Wash. Truck. No. 1,070,323; Aug. 12; Gaz. vol. 193; p. 454.

Alphabetical list of inventions—Continued.

- Brochu, Arsine, Franklin, N. H. Shaft-bearing and lubricator therefor. No. 1,070,109; Aug. 12; Gaz. vol. 193; p. 380.
- Brock, Charles C. (See Lively, Jaurdan G., assignor.)
- Brock, Frank W., assignor of one-half to D. A. Cato, Chatham, Ill. Aero merry-go-round. No. 1,068,852; July 29; Gaz. vol. 192; p. 1153.
- Brock, James G., Anadarko, Okla. Plow. No. 1,079,832; Nov. 25; Gaz. vol. 196; p. 988.
- Brock, John M., Flushing, N. Y., assignor to William M. Crane Company. Toaster and broiler. No. 1,073,660; Sept. 23; Gaz. vol. 194; p. 778.
- Brock, Matthias, Boston, Mass., assignor to United Shoe Machinery Company, Paterson, N. J. Machine for mounting shoes. No. 1,065,583; June 24; Gaz. vol. 191; p. 925.
- Brock, Matthias, Boston, Mass., assignor to United Shoe Machinery Company, Paterson, N. J. Making shoes. No. 1,065,584; June 24; Gaz. vol. 191; p. 926.
- Brock, Matthias, Boston, Mass., assignor to United Shoe Machinery Company, Paterson, N. J. Shoe-support. No. 1,066,374; July 1; Gaz. vol. 192; p. 164.
- Brock, Matthias, Boston, Mass., assignor to United Shoe Machinery Company, Paterson, N. J. Lasting-machine. No. 1,066,375; July 1; Gaz. vol. 192; p. 165.
- Brock, Matthias, Boston, Mass., assignor to United Shoe Machinery Company, Paterson, N. J. End lasting and wiring mechanism. No. 1,066,376; July 1; Gaz. vol. 192; p. 165.
- Brock, Matthias, Boston, Mass., assignor to United Shoe Machinery Company, Paterson, N. J. Toe-lasting mechanism. No. 1,066,377; July 1; Gaz. vol. 192; p. 166.
- Brock, Matthias, Boston, Mass., assignor to United Shoe Machinery Company, Paterson, N. J. Lasting-machine-speed-controlling mechanism. No. 1,072,694; Sept. 9; Gaz. vol. 194; p. 379.
- Brock, Matthias, Boston, Mass., assignor to United Shoe Machinery Company, Paterson, N. J. Lasting-machine. No. 1,079,930; Dec. 2; Gaz. vol. 197; p. 3.
- Brock, Matthias, Boston, Mass., assignor to United Shoe Machinery Company, Paterson, N. J. End-lasting mechanism for welt-shoes. No. 1,082,620; Dec. 30; Gaz. vol. 197; p. 1053.
- Brock, Matthias, Boston, Mass., assignor to United Shoe Machinery Company, Paterson, N. J. Manufacture of boots and shoes. No. 1,082,621; Dec. 30; Gaz. vol. 197; p. 1053.
- Brock, Seymore V., Burch, La. Planter. No. 1,074,240; Sept. 30; Gaz. vol. 194; p. 1003.
- Brocklebank, Thomas, Buffalo, N. Y. Ratchet. No. 1,063,770; June 3; Gaz. vol. 191; p. 208.
- Brockton Heel Company. (See Bosworth, Wendell P., assignor.)
- Brockton Heel Company. (See Hansalpakar, Edwin, assignor.)
- Brockton Mowing Machine Cutter Bar Company. (See Abbenzeller, Alfred D., assignor.)
- Brockton Rand Company. (See Lyon, Harry, assignor.)
- Brooklyn Machine Bottle Company. (See Harding, John W., assignor.)
- Broden, Albert. (See Roberts and Broden.)
- Broder, Michael J., New York, N. Y. Spool-brake. No. 1,070,581; Aug. 19; Gaz. vol. 193; p. 585.
- Broderick, Arthur F., Jersey City, N. J. Device for replacing derailed cars. No. 1,081,717; Dec. 16; Gaz. vol. 197; p. 680.
- Broderick, Ernest N., Detroit, Mich. Float. No. 1,072,420; Sept. 9; Gaz. vol. 194; p. 283.
- Broderick, John J., Manchester, N. H. Advertising-sign. No. 1,061,594; May 13; Gaz. vol. 190; p. 391.
- Broderick, John W., Newark, N. J. Demountable rim for vehicle-wheels. No. 1,063,648; June 3; Gaz. vol. 191; p. 166.
- Brodie, Francis C., Moose Jaw, Saskatchewan, Canada. Circuit-controller for electric signs. No. 1,080,535; Dec. 9; Gaz. vol. 197; p. 248.
- Brodie, George A., Portland, Ore. Cow-milking apparatus. No. 1,051,482; Jan. 28; Gaz. vol. 186; p. 840.
- Brodton, Edward R., assignor to Modern Electric Appliance Company, Mobile, Ala. Selective relay. No. 1,059,706; Apr. 22; Gaz. vol. 189; p. 911.
- Broeckel, Adolph F. (See Pullen and Broeckel.)
- Brogan, Edward J., assignor of one-third to J. D. Reilly, Yonkers, N. Y. Artificial-light printing-machine. No. 1,065,210; June 17; Gaz. vol. 191; p. 758.
- Brogan, Joseph H., et al. (See Woods, Charles G., assignor.)
- Brogan, Michael F., Lawrence, Mass., assignor to United Shoe Machinery Company, Paterson, N. J. Sewing-machine. No. 1,071,026; Aug. 26; Gaz. vol. 193; p. 764.
- Brogden, Joah, and J. W. Watkins, assignors to David Lupton's Sons Company, Philadelphia, Pa. Fire-retarding closure. No. 1,062,563; May 20; Gaz. vol. 190; p. 754.
- Brogley, Edward B., Tampa, Fla. Baby-swing. No. 1,066,991; July 8; Gaz. vol. 192; p. 406.
- Brokaw, John V. (See Griffiths, Samuel A., assignor.)
- Broman, Peter, and J. Offermann, Beaver Dam, Wis. Agricultural implement. No. 1,058,657; Apr. 8; Gaz. vol. 189; p. 477.
- Broman, Peter, and J. Offermann, assignors to Beaver Dam Mfg. Co., Beaver Dam, Wis. Feed mechanism for grain-drills. No. 1,075,813; Oct. 14; Gaz. vol. 195; p. 448.
- Bromhead, John S., New York, N. Y. Non-refillable bottle. No. 1,060,532; Apr. 29; Gaz. vol. 189; p. 1235.
- Bromley, Frank L., assignor to Detroit Stoker Company, Detroit, Mich. Furnace. No. 1,064,439; June 10; Gaz. vol. 191; p. 470.
- Bromley, Joseph H. (See Burgess, Arthur, assignor.)
- Bromley, Joseph H. (See Scott, Walter R., assignor.)
- Bromley, Joseph H., Jr., Philadelphia, Pa. Lace-machine. No. 1,066,789; July 8; Gaz. vol. 192; p. 338.
- Bromley, Robert D., Geneva, Ohio. Shoe-cleaner. No. 1,065,340; June 24; Gaz. vol. 191; p. 841.
- Bromley & Sons, John. (See Brennan, John J., assignor.)
- Brondel, Jean, Lyon, France. Machine for the production of tubular plaits. No. 1,059,523; Apr. 22; Gaz. vol. 189; p. 851.
- Bröndum, Magnus V., Aarhus, Denmark. Arrangement for automatically lighting and extinguishing lamps and the like. No. 1,053,004; Feb. 11; Gaz. vol. 187; p. 428.
- Bronimann, Emilio, Santa Rosalia, Chihuahua, Mexico. Cushioned wheel. No. 1,065,915; July 1; Gaz. vol. 192; p. 3.
- Bronn, Jegor. (See Schemmann and Bronn.)
- Bronnert, Emile, Niedermorschweiler, assignor to Vereinigte Glanzstoff-Fabriken-A.-G., Elberfeld, Germany. Production of viscous cellulose solutions. No. 1,055,513; Mar. 11; Gaz. vol. 188; p. 325.
- Bronnert, Emile, Niedermorschweiler, assignor to Vereinigte Glanzstoff Fabriken Aktiengesellschaft, Elberfeld, Germany. Production of formylcelluloses. No. 1,061,977; May 20; Gaz. vol. 190; p. 558.
- Bronson, Ralph C., assignor of one-half to W. J. Krueger, Chicago, Ill. Fuse-plug. No. 1,071,871; Sept. 2; Gaz. vol. 194; p. 70.
- Bronson, Samuel P., Coregidor, Philippine Islands. Sanitary comb. No. 1,064,607; June 10; Gaz. vol. 191; p. 526.
- Brook, William T., Arlington, Ga. Bottle-stopper. No. 1,065,211; June 17; Gaz. vol. 191; p. 759.
- Brooke, Albert B. (See Swanson and Brooke.)
- Brooke, Arthur L., and R. D. Mackintosh, Mortlake, England. Alloy. No. 1,070,007; Aug. 12; Gaz. vol. 193; p. 346.
- Brooker, Clem M., Lakewood, Ohio. Turnstile. No. 1,049,805; Jan. 7; Gaz. vol. 186; p. 165.
- Brookfield Glass Company, The. (See Olsen, Sigward, assignor.)
- Brooklyn Wireless & Electrical Novelty Co. (See Hertz, Tobias, assignor.)
- Brooks, Asa P., Minneapolis, Minn. Printer's type and furniture. No. 1,073,791; Sept. 23; Gaz. vol. 194; p. 824.
- Brooks, Brutus, Martin, Tenn. Aeroplane. No. 1,078,713; Nov. 18; Gaz. vol. 196; p. 571.
- Brooks, Charles E. (See Hammel and Brooks.)
- Brooks, Charles E., assignor to Brooks-Latta Automobile Manufacturing Company, St. Louis, Mo. Engine-oiler. No. 1,053,939; Feb. 18; Gaz. vol. 187; p. 791.
- Brooks, Charles E., St. Louis, Mo., assignor to Brooks-Latta Automobile Manufacturing Company. Engine-mounting. No. 1,056,253; Mar. 18; Gaz. vol. 188; p. 609.
- Brooks, Charles E., assignor to Brooks-Latta Automobile Manufacturing Company, St. Louis, Mo. Transmission mechanism. No. 1,058,703; Apr. 8; Gaz. vol. 189; p. 493.
- Brooks, Charles E., and C. Gates, Bowerstown, Ohio. Car-feeding device for cages. No. 1,058,405; Apr. 8; Gaz. vol. 189; p. 393.
- Brooks, Claude A., and E. G. Kinley, Topeka, Kans. Primer for gasoline-engines. No. 1,072,304; Sept. 2; Gaz. vol. 194; p. 214.
- Brooks, Edward J., East Orange, N. J. Snap-seal. No. 1,052,562; Feb. 11; Gaz. vol. 187; p. 277.
- Brooks, Edward J., East Orange, N. J. Ratchet seal-press. No. 1,071,139; Aug. 26; Gaz. vol. 193; p. 803.
- Brooks, Frank, and I. K. Hisey, Carlton, Ore. Bottle-washer. No. 1,056,774; Mar. 25; Gaz. vol. 188; p. 818.
- Brooks, George W., Topeka, Kans. Metallic furniture. No. 1,052,794; Feb. 11; Gaz. vol. 187; p. 356.
- Brooks, George W., Topeka, Kans. Fireproof stair. No. 1,064,050; June 10; Gaz. vol. 191; p. 336.
- Brooks, Gerry L., administrator. (See Chellis, Eugene D.)
- Brooks, Halbert W. (See Rochwite, August, assignor.)
- Brooks, James A., assignor to The J. G. Brill Company, Philadelphia, Pa. Car-truck. No. 1,066,790; July 8; Gaz. vol. 192; p. 339.
- Brooks, James A., assignor to The J. G. Brill Company, Philadelphia, Pa. Car-truck. No. 1,071,694; Sept. 2; Gaz. vol. 194; p. 8.
- Brooks, John E. (See Smith, Brooks, Bowman, and Sleepy.)
- Brooks-Latta Automobile Manufacturing Company. (See Brooks, Charles E., assignor.)
- Brooks, Lester L., Falls City, Ore. Automobile tire-inflating mechanism. No. 1,072,907; Sept. 9; Gaz. vol. 194; p. 456.

Alphabetical list of inventions—Continued.

- Brooks, Marie E., Cedarhurst, N. Y. Condiment-holder. No. 1,063,326; June 3; Gaz. vol. 191; p. 53.
- Brooks, Oliver E., Robblin, Manitoba, Canada. Bed attachment. No. 1,062,434; May 20; Gaz. vol. 190; p. 711.
- Brooks, Samuel A., assignor to The Woman's Friend Manufacturing Company, Elmwood Place, Ohio. Cooking utensil. No. 1,053,780; Feb. 18; Gaz. vol. 187; p. 739.
- Brooks, Silenus D., assignor of one-half to C. N. Murdock. Oneonta, N. Y. Spring-wheel. No. 1,054,501; Feb. 25; Gaz. vol. 187; p. 1022.
- Brooks, William S., assignor of fifteen thirty-seconds to F. V. Roessel and fifteen thirty-seconds to G. E. Gilmore, Akron, Ohio. Resilient tire for vehicle-wheels. No. 1,058,030; Apr. 8; Gaz. vol. 189; p. 260.
- Brooks, Winfred M., East Orange, N. J., assignor to E. J. Brooks & Co., New York, N. Y. Snap-seal. No. 1,056,623; Mar. 18; Gaz. vol. 188; p. 736.
- Brooks, Winfred M., East Orange, N. J., assignor to E. J. Brooks & Co., New York, N. Y. Tin-shackle seal. No. 1,062,879; May 27; Gaz. vol. 190; p. 900.
- Brooks, Winfred M., East Orange, N. J., assignor to E. J. Brooks & Co., New York, N. Y. Cording-seal. No. 1,062,880; May 27; Gaz. vol. 190; p. 901.
- Brooks, Winfred M., East Orange, N. J., assignor to E. J. Brooks & Co., New York, N. Y. Box-strap tightener. No. 1,067,400; July 15; Gaz. vol. 192; p. 582.
- Broome, Isaac, Trenton, N. J. Tire. No. 1,066,791; July 8; Gaz. vol. 192; p. 339.
- Broomell, Albert P., York, Pa. Automatic heat-regulator. No. 1,068,216; July 22; Gaz. vol. 192; p. 892.
- Broomfield, James L., Seattle, Wash. Spring operating means for nut-locks. No. 1,067,163; July 8; Gaz. vol. 192; p. 465.
- Broomhall, Clarence S., Spencers Station, Ohio. Rail-joint. No. 1,070,401; Aug. 19; Gaz. vol. 193; p. 523.
- Brophy, Michael M., London, England. Shock-absorber for vehicles. No. 1,052,795; Feb. 11; Gaz. vol. 187; p. 357.
- Brorby, Jacob I., Shenandoah, Iowa. Mouse-trap. No. 1,080,623; Dec. 9; Gaz. vol. 197; p. 276.
- Bros, William, assignor to Wm. Bros Boiler & Mfg. Co., Minneapolis, Minn. Stay-bolt. No. 1,052,213; Feb. 4; Gaz. vol. 187; p. 128.
- Brostrom, Carl A., Moline, Ill. Plow. No. 1,062,141; May 20; Gaz. vol. 190; p. 614.
- Brothers, Eli, Lynn, Mass., assignor to United Shoe Machinery Company, Paterson, N. J. Machine for working an upper over a last. No. 1,055,016; Mar. 4; Gaz. vol. 188; p. 123.
- Brothers, Eli, Lynn, assignor of one-half to F. E. Bertrand, Swampscott, Mass. Holding device. No. 1,065,585; June 24; Gaz. vol. 191; p. 926.
- Brothers, Sanford W., Denver, Colo. Valved connection for rock-drills. No. 1,075,324; Oct. 14; Gaz. vol. 195; p. 280.
- Brothers, Sanford W., Denver, Colo. Locking-chuck for rock-drills, &c. No. 1,075,325; Oct. 14; Gaz. vol. 195; p. 280.
- Brothers, William M., assignor of seven-sixteenths to C. C. Korb, Venus, Pa. Safety device for pins. No. 1,055,130; Mar. 4; Gaz. vol. 188; p. 162.
- Brotherton, Wilfred A., Rochester, Mich. Pocket-cuspidor. No. 1,072,695; Sept. 9; Gaz. vol. 194; p. 379.
- Brotschneider, Julius, San Francisco, Cal. Tire-protector. No. 1,071,695; Sept. 2; Gaz. vol. 194; p. 8.
- Brott, Howard G., Portland, Oreg. Seat-back. No. 1,054,169; Feb. 25; Gaz. vol. 187; p. 907.
- Brougher, H. Walton. (See Wingett, John N., assignor.)
- Broughton, Lyman D., Hartford, Conn., assignor to Underwood Typewriter Company, New York, N. Y. Type-writing machine. No. 1,051,077; Jan. 21; Gaz. vol. 186; p. 670.
- Broughton, Lyman D., Hartford, Conn., assignor to Underwood Typewriter Company, New York, N. Y. Type-writing machine. No. 1,067,401; July 15; Gaz. vol. 192; p. 583.
- Broughton, Lyman D., Hartford, Conn., assignor to Underwood Typewriter Company, New York, N. Y. Type-writing machine. No. 1,067,402; July 15; Gaz. vol. 192; p. 583.
- Broughton, Lyman D., Hartford, Conn., assignor to Underwood Typewriter Company, New York, N. Y. Type-writing machine. No. 1,069,847; Aug. 12; Gaz. vol. 193; p. 291.
- Brouquière, Eugène, Saléchan, France. Pendulum-governor for ships' engines. No. 1,058,540; Apr. 8; Gaz. vol. 189; p. 438.
- Broussard, Alcibiades, Youngsville, La. Automatic mail-bag catcher and deliverer. No. 1,071,391; Aug. 26; Gaz. vol. 193; p. 888.
- Brousseau, Delphis, assignor of one-eighth to E. Dufour and one-eighth to P. Beausejour, Montreal, Quebec, Canada. Rail-joint. No. 1,062,881; May 27; Gaz. vol. 190; p. 901.
- Brousseau, Harry, assignor of one-half to M. Stern, New York, N. Y. Lamp. No. 1,060,314; Apr. 29; Gaz. vol. 189; p. 1159.
- Brousseau, Harry, assignor of one-half to M. Stern, New York, N. Y. Lamp. No. 1,060,315; Apr. 29; Gaz. vol. 189; p. 1159.
- Broux, Elle J. L., Roubaix, France. Automatically-working hydraulic draft and combustion regulating device. No. 1,055,868; Mar. 11; Gaz. vol. 188; p. 444.
- Brower, Chas. E., trustee. (See Williams, Dick B., assignor.)
- Brower, Louis S., Black Rock, Ark. Vaginal syringe. No. 1,078,824; Nov. 18; Gaz. vol. 196; p. 610.
- Brower, William W., Belmond, Iowa. Loading apparatus. No. 1,064,126; June 10; Gaz. vol. 191; p. 362.
- Brower, William W., Meservey, Iowa, assignor to The Sattley Stacker Company, Indianapolis, Ind. Threshing-machine. No. 1,054,170; Feb. 25; Gaz. vol. 187; p. 907.
- Brower, William W., Olds, Alberta, Canada, assignor, by mesne assignments, to The Sattley Stacker Company, Indianapolis, Ind. Threshing-machine. No. 1,060,890; May 6; Gaz. vol. 190; p. 113.
- Brown, Albert C., Chicago, Ill. Nozzle for drinking-fountains. No. 1,081,718; Dec. 16; Gaz. vol. 197; p. 680.
- Brown, Albert L., Little Rock, Ark. Discharge-valve. No. 1,080,322; Dec. 2; Gaz. vol. 197; p. 141.
- Brown, Alexander T., Syracuse, N. Y. Type-writing machine. No. 1,066,075; July 1; Gaz. vol. 192; p. 60.
- Brown, Alexander T., Syracuse, N. Y. Type-writing machine. No. 1,082,262; Dec. 23; Gaz. vol. 197; p. 897.
- Brown, Alexander T., assignor to Brown-Lipe Gear Company, Syracuse, N. Y. Lubricant-retaining means. No. 1,072,421; Sept. 9; Gaz. vol. 194; p. 283.
- Brown, Arnold V., assignor to Kabo Corset Company, Chicago, Ill. Attachment for garment-supporters. No. 1,065,292; June 17; Gaz. vol. 191; p. 787.
- Brown, Arnold V., assignor to Kabo Corset Company, Chicago, Ill. Webbing attachment. No. 1,067,302; July 15; Gaz. vol. 192; p. 550.
- Brown, Arnold V., assignor to Kabo Corset Company, Chicago, Ill. Adjusting-buckle for garment-supporters. No. 1,077,902; Nov. 4; Gaz. vol. 196; p. 226.
- Brown Bag Filling Machine Company, The. (See Brown, Benjamin F., assignor.)
- Brown & Bailey Company. (See Brown, Robert P., assignor.)
- Brown, Benjamin F., Boston, assignor to The Brown Bag Filling Machine Company, Fitchburg, Mass. Labeling-machine. No. 1,053,781; Feb. 18; Gaz. vol. 187; p. 739.
- Brown, Benjamin F., assignor to Brown Bag Filling Machine Company, Fitchburg, Mass. Bag-filling machine. No. 1,069,848; Aug. 12; Gaz. vol. 193; p. 292.
- Brown, Benjamin H., G. W. Edwards, and E. T. Maxwell, Marysville, Cal. Automatic headlight. No. 1,080,256; Dec. 2; Gaz. vol. 197; p. 118.
- Brown, Benjamin R., Chilhowee, Mo. Grinding-machine. No. 1,068,973; July 29; Gaz. vol. 192; p. 1195.
- Brown and Bigelow. (See Boyd, James, assignor.)
- Brown, Byron E., Poplar Bluff, assignor to Dalton Adding Machine Company, St. Louis, Mo. Ribbon-controlling mechanism. No. 1,064,703; June 17; Gaz. vol. 191; p. 595.
- Brown, Carl, assignor to The Champion Forging Machine Company, Denver, Colo. Gaging-dies for rock-drills. No. 1,053,474; Feb. 18; Gaz. vol. 187; p. 634.
- Brown, Carl, assignor to The Champion Forging Machine Company, Denver, Colo. Bevel-cutting dies for rock-drills. No. 1,053,475; Feb. 18; Gaz. vol. 187; p. 635.
- Brown, Carl, assignor to The Champion Forging Machine Company, Denver, Colo. Sharpening-dies for rock-drills. No. 1,053,476; Feb. 18; Gaz. vol. 187; p. 635.
- Brown, Carl E., Columbus, Ohio. Necktie-form. No. 1,058,943; Apr. 15; Gaz. vol. 189; p. 615.
- Brown, Carl E., Columbus, Ohio. Safety window-chair. No. 1,068,974; July 29; Gaz. vol. 192; p. 1195.
- Brown, Carl E., Columbus, Ohio, assignor to M. A. Day, St. Paul, Minn. Liquid-fuel burner. No. 1,057,032; Mar. 25; Gaz. vol. 188; p. 907.
- Brown, Chalmers S., and F. H. Gerdeman, assignors to The Buckeye Traction Ditcher Company, Findlay, Ohio. Excavating-machine. No. 1,056,398; Mar. 18; Gaz. vol. 188; p. 655.
- Brown, Charles, Albert Lea, assignor of one-half to A. P. Sawyer, Glenville, Minn. Monument. No. 1,060,970; May 6; Gaz. vol. 190; p. 142.
- Brown, Charles A., Lorain, Ohio. Recording device. No. 1,054,335; Feb. 25; Gaz. vol. 187; p. 963.
- Brown, Charles A., Lorain, Ohio. Fluid-sampling device. No. 1,056,254; Mar. 18; Gaz. vol. 188; p. 610.
- Brown, Charles C., Weymouth, N. J. Adjustable shade-roller bracket. No. 1,052,563; Feb. 11; Gaz. vol. 187; p. 277.
- Brown, Charles E., Los Angeles, Cal. Blow-out patch. No. 1,081,012; Dec. 9; Gaz. vol. 197; p. 410.
- Brown, Charles F., trustee. (See Coy, Frederick W., assignor.)
- Brown, Charles F., New York, N. Y., assignor, by mesne assignments, of one-half to A. D. Dickerson, Freehold, N. J. Liquid-measuring register. No. 1,070,008; Aug. 12; Gaz. vol. 193; p. 346.

Alphabetical list of inventions—Continued.

- Brown, Charles H., Magdalena, N. Mex., assignor to The Sherwin-Williams Company, Cleveland, Ohio. Ore-separator. No. 1,081,360; Dec. 16; Gaz. vol. 197; p. 564.
- Brown, Charles J. (See Marston, Edgar L., assignor.)
- Brown, Clare. (See Brown, Harry and C.)
- Brown, Clarence E. R., assignor of one-half to G. A. Campbell, Nooksack, Wash. Shoe or leather dressing. No. 1,057,325; Mar. 25; Gaz. vol. 188; p. 1005.
- Brown, Clement, Birchfield, Birmingham, England. Car-bureter. No. 1,065,916; July 1; Gaz. vol. 192; p. 4.
- Brown, Coleman H., Pulaski, Tenn. Automatic cranking device. No. 1,061,595; May 13; Gaz. vol. 190; p. 391.
- Brown & Company, S. N. (See Skeels, Isaac, assignor.)
- Brown, Cyrus G., Des Moines, Iowa, assignor to L. W. Claybourn, Winona, Minn. Plate-registering machine. No. 1,056,968; Mar. 25; Gaz. vol. 188; p. 884.
- Brown, D. Russell. (See Hull, George H., assignor.)
- Brown, Daisy G., Challis, Idaho. Doll. No. 1,065,776; June 24; Gaz. vol. 191; p. 990.
- Brown, Dickson Q., *et al.* (See Kendall, Edward D., assignor.)
- Brown Durrell Co. (See Lynch, James P., assignor.)
- Brown, Edward B., Melbourne, Victoria, Australia. Tachometer. No. 1,068,625; July 29; Gaz. vol. 192; p. 1073.
- Brown, Edward C., Chicago, Ill. Catch-basin. No. 1,076,945; Oct. 28; Gaz. vol. 195; p. 925.
- Brown, Edward N., assignor to The D. T. Owen Company, East Cleveland, Ohio. Combined bed and sofa. No. 1,076,094; Oct. 21; Gaz. vol. 195; p. 573.
- Brown, Elisha S. (See Drake and Brown.)
- Brown, Eric, Bahnhofweg, assignor to Actiengesellschaft Brown Boveri & Cie., Baden, Switzerland. Operation of centrifugal pumps. No. 1,066,581; July 8; Gaz. vol. 192; p. 266.
- Brown, Errett M. (See Van Deventer and Brown.)
- Brown, Eugene, assignor to Colfax Manufacturing Company, Inc., Colfax, Wash. Orchard-cultivator. No. 1,073,325; Sept. 16; Gaz. vol. 194; p. 641.
- Brown, Eugene H., deceased, Troy, N. Y.; M. L. Heald, executrix. Pneumatic folding-machine. No. 1,053,477; Feb. 18; Gaz. vol. 187; p. 636.
- Brown, Eugene L., Jr., St. Louis, Mo. Rod-bending apparatus. No. 1,066,247; July 1; Gaz. vol. 192; p. 123.
- Brown, Florence C., Punxsutawney, Pa. Corn-shield. No. 1,056,624; Mar. 18; Gaz. vol. 188; p. 736.
- Brown, Francis H., assignor of one-fourth to J. S. Latta, one-fourth to T. L. Latta, and one-fourth to J. Latta, Philadelphia, Pa. Producing a substantially complete combustion of fuel. No. 1,052,796; Feb. 11; Gaz. vol. 187; p. 357.
- Brown, Frank E. (See White, William, assignor.)
- Brown, Frank J., Scottsdale, Pa. Percussive hammer. No. 1,074,044; Sept. 23; Gaz. vol. 194; p. 909.
- Brown, Fred J., Savannah, Ga. Window scaffold or shelf. No. 1,070,009; Aug. 12; Gaz. vol. 193; p. 347.
- Brown, Fred O. C., Grand Rapids, Mich. Shoestring-fastener. No. 1,071,696; Sept. 2; Gaz. vol. 194; p. 8.
- Brown, Frederick E., McHenry, N. D. Car-seal. No. 1,077,587; Nov. 4; Gaz. vol. 196; p. 120.
- Brown, George B., *et al.*, executors and trustees. (See Brown, George H.)
- Brown, George H., deceased, Belfast, Ireland; K. M. H., and G. B. Brown, executors and trustees. Electric signaling on railways. No. 1,072,404; Sept. 2; Gaz. vol. 194; p. 250.
- Brown, George W., Wallace, Idaho. Appliance for emptying tubs, &c. No. 1,068,102; July 22; Gaz. vol. 192; p. 852.
- Brown, George W., assignor to Tubular Rivet & Stud Company, Boston, Mass. Hook-setting machine. No. 1,080,194; Dec. 2; Gaz. vol. 197; p. 96.
- Brown, Gideon F., Chicago, Ill. Hand-hole scraper. No. 1,058,406; Apr. 8; Gaz. vol. 189; p. 393.
- Brown, Gilman W., West Newbury, assignor of one-half to H. L. Maddock, Haverhill, and one-half to H. W. Brown, West Newbury, Mass. Starting-primer for motors. No. 1,066,248; July 1; Gaz. vol. 192; p. 123.
- Brown, Gilman W., West Newbury, assignor of one-half to H. L. Maddock, Haverhill, and one-half to H. W. Brown, West Newbury, Mass. Primer for internal-combustion motors. No. 1,068,310; July 22; Gaz. vol. 192; p. 926.
- Brown, Harry, Philadelphia, Pa. Necktie. No. 1,059,707; Apr. 22; Gaz. vol. 189; p. 911.
- Brown, Harry and C., Decatur, Ind. Ship's table. No. 1,051,983; Feb. 4; Gaz. vol. 187; p. 46.
- Brown, Harry D., assignor of one-half to W. H. Clune, Los Angeles, Cal. Electric-writing sign. No. 1,054,336; Feb. 25; Gaz. vol. 187; p. 964.
- Brown, Harry M., Brooklyn, N. Y., assignor to R. A. Canfield, Providence, R. I. Seal-applying machine. No. 1,053,122; Feb. 11; Gaz. vol. 187; p. 470.
- Brown, Harvey H., Grand Rapids, Mich. Sifting-machine. No. 1,072,816; Sept. 9; Gaz. vol. 194; p. 422.
- Brown, Houghton, assignor of one-eighth to O. O. Whited, two-eighths to G. D. Bentley, and one-eighth to P. A. Anderson, Minneapolis, Minn. Wooden building construction. No. 1,057,704; Apr. 1; Gaz. vol. 189; p. 105.
- Brown, Henry C., assignor to Brown Kaffir Corn Header Co., Fairview, Okla. Corn-header. No. 1,054,502; Feb. 25; Gaz. vol. 187; p. 1023.
- Brown, Henry C., Brooklyn, N. Y., assignor to H. Stockman, Englewood, N. J. Automatic stamping-machine. No. 1,061,040; May 6; Gaz. vol. 190; p. 167.
- Brown, Henry C., Brooklyn, N. Y., assignor of one-half to H. Stockman, Englewood, N. J. Washerless faucet. No. 1,071,294; Aug. 26; Gaz. vol. 193; p. 855.
- Brown, Henry C., Brooklyn, N. Y., assignor of one-half to H. Stockman, Englewood, N. J. Washerless faucet. No. 1,071,504; Aug. 26; Gaz. vol. 193; p. 924.
- Brown, Henry C., Brooklyn, N. Y., assignor to H. Stockman, Englewood, N. J. Grading, stamping, and selecting machine. No. 1,081,361; Dec. 16; Gaz. vol. 197; p. 564.
- Brown, Henry W., Birmingham, Ala. Bridle-bit. No. 1,076,946; Oct. 28; Gaz. vol. 195; p. 926.
- Brown, Henry W., Westport, Conn. Time-recorder. No. 1,078,124; Nov. 11; Gaz. vol. 196; p. 334.
- Brown, Henry W., Logtown, Miss. Mail-bag catching and delivering apparatus. No. 1,080,746; Dec. 9; Gaz. vol. 197; p. 319.
- Brown, Herbert, *et al.*, executors and trustees. (See Brown, George H.)
- Brown, Herbert, Belfast, Ireland. Electric signaling on railways. No. 1,072,567; Sept. 9; Gaz. vol. 194; p. 336.
- Brown, Herbert E., Houston, Tex. Churn. No. 1,055,383; Mar. 11; Gaz. vol. 188; p. 282.
- Brown Hoisting Machinery Company, The. (See Lipps, Louis P., assignor.)
- Brown Hoisting Machinery Company, The. (See Monroe, Will K., assignor.)
- Brown Hoisting Machinery Company, The. (See Sheridan, Richard B., assignor.)
- Brown Hoisting Machinery Company, The. (See Taylor, Ernest W., assignor.)
- Brown, Horace W., *et al.* (See Brown, Gilman W., assignor.)
- Brown, Hugh, Battle Creek, Mich. Crate. No. 1,056,146; Mar. 18; Gaz. vol. 188; p. 573.
- Brown, Ira E., East Sparta, Ohio. Street-curbings. No. 1,067,501; July 15; Gaz. vol. 192; p. 617.
- Brown, J. Grove, assignor of one-half to G. T. Bacon, Grotton, N. Y. Traction-lug. No. 1,077,667; Nov. 4; Gaz. vol. 196; p. 147.
- Brown, J. Roy. (See Vaughn, Fred S., assignor.)
- Brown, Jacob H. (See Greenberg, Markewich, and Brown.)
- Brown, Jacob H. and J. H., Marseilles, Ill. Rain-coat. No. 1,055,703; Mar. 11; Gaz. vol. 188; p. 388.
- Brown, James H., Denver, Colo. Watch-bow fastener. No. 1,049,446; Jan. 7; Gaz. vol. 186; p. 44.
- Brown, James H. and R. C., Cuddy, Pa. Wrench. No. 1,061,978; May 20; Gaz. vol. 190; p. 558.
- Brown, James M., Roseburg, Ore. Square. No. 1,076,095; Oct. 21; Gaz. vol. 195; p. 574.
- Brown, James R., Pampa, Tex. Adjustable window-shade bracket. No. 1,062,142; May 20; Gaz. vol. 190; p. 615.
- Brown, John A. (See Brown, Marion S. and J. A.)
- Brown, John C. (See Jones, Lenora H., assignor.)
- Brown, John F., and S. Cusenza, New York, N. Y. Safety-valve. No. 1,049,662; Jan. 7; Gaz. vol. 186; p. 118.
- Brown, John H. (See Brown, Jacob H. and J. H.)
- Brown, John O., Concord, Tenn. Match-box. No. 1,049,447; Jan. 7; Gaz. vol. 186; p. 44.
- Brown, John Q., and H. L. Griswold, Oakland, Cal. Street-car guard-rail. No. 1,060,063; Apr. 29; Gaz. vol. 189; p. 1072.
- Brown, John W., Lakewood, assignor to National Carbon Company, Cleveland, Ohio. Furnace. No. 1,067,795; July 22; Gaz. vol. 192; p. 750.
- Brown, John W., Jr., assignor to The Enterprise Manufacturing Company of Pennsylvania, Philadelphia, Pa. Atomizer. No. 1,051,846; Jan. 28; Gaz. vol. 186; p. 961.
- Brown, John W., Jr., assignor to The Enterprise Manufacturing Company of Pennsylvania, Philadelphia, Pa. Sand-tempering apparatus. No. 1,061,160; May 6; Gaz. vol. 190; p. 205.
- Brown, Joseph A., Jacksonville, Fla. Bed. No. 1,074,488; Sept. 30; Gaz. vol. 194; p. 1085.
- Brown, Joseph H., Northampton, England, assignor to The Saxone Shoe Co. Limited, Kilmarnock, Scotland. Manufacture of toe-cases or toe-boxes for boots and shoes. No. 1,059,654; Apr. 22; Gaz. vol. 189; p. 894.
- Brown, Joseph M. (See Brown, Robert L. and J. M.)
- Brown Kaffir Corn Header Co. (See Brown, Henry C., assignor.)
- Brown, Kathleen M., *et al.*, executors and trustees. (See Brown, George H.)
- Brown, Lawrence E. (See Fletcher and Brown.)
- Brown, Leighton L., Minneapolis, and C. H. Patek, Brainerd, Minn. Damper. No. 1,079,833; Nov. 25; Gaz. vol. 196; p. 988.
- Brown, Leo, Onaka, S. D. Supplementary shovel-handle. No. 1,083,054; Dec. 30; Gaz. vol. 197; p. 1201.
- Brown, Lewis A., Horine, assignor to Springfield Concrete Post Company, Springfield, Mo. Mold. No. 1,059,974; Apr. 29; Gaz. vol. 189; p. 1042.

Alphabetical list of patentees—Continued.

- Brown-Lipe Gear Company. (See Brown, Alexander T., assignor.)
- Brown-Lipe Gear Company. (See Sponable, George W., assignor.)
- Brown, Lonnie L. (See Roman, Charles A., assignor.)
- Brown, Lydia B., Waterloo, Wis. Culinary appliance. No. 1,054,503; Feb. 25; Gaz. vol. 187; p. 1023.
- Brown, Mandel, Chicago, Ill. Buttonhole-punching machine. No. 1,057,523; Apr. 1; Gaz. vol. 189; p. 43.
- Brown, Marion S. and J. A., Fort Scott, Kans. Kafir-corn header and loader. No. 1,054,822; Mar. 4; Gaz. vol. 188; p. 59.
- Brown, Mark A., Chattanooga, assignor to J. A. Tate, Shelbyville, Tenn. Automatic air-brake coupling or connector. No. 1,070,110; Aug. 12; Gaz. vol. 193; p. 381.
- Brown, Minnie A., assignor of one-half to J. W. Jones, Saltillo, Miss. Cuspidor. No. 1,075,398; Oct. 14; Gaz. vol. 195; p. 308.
- Brown, Morris H., assignor to J. Davis, Penn Yan, N. Y. Check-controlled dispensing mechanism. No. 1,050,608; Jan. 14; Gaz. vol. 186; p. 475.
- Brown, Nimrod W. L., Marietta, Ga. Cake-former. No. 1,049,336; Jan. 7; Gaz. vol. 186; p. 6.
- Brown, Oliver W., and A. R. Nees, Bloomington, Ind. Production of lead oxids. No. 1,072,205; Sept. 2; Gaz. vol. 194; p. 183.
- Brown, Perry, Wilmington, Del. Journal-box. No. 1,071,872; Sept. 2; Gaz. vol. 194; p. 70.
- Brown, Reuben H., New Haven, Conn. Carton folding and stitching machine. No. 1,076,015; Oct. 21; Gaz. vol. 195; p. 546.
- Brown, Rhinehardt H., Chicago, Ill. Child's sulky. No. 1,053,355; Feb. 18; Gaz. vol. 187; p. 594.
- Brown, Rhinehardt H., Chicago, Ill. Collapsible sulky. No. 1,074,349; Sept. 30; Gaz. vol. 194; p. 1039.
- Brown, Robert, Dayton, Wash. Grain-cleaner for harvesters. No. 1,064,440; June 10; Gaz. vol. 191; p. 470.
- Brown, Robert C. (See Brown, James H. and R. C.)
- Brown, Robert L. and J. M., Los Angeles, Cal. Hydraulic amalgamator. No. 1,059,524; Apr. 22; Gaz. vol. 189; p. 852.
- Brown, Robert M., Chicago, Ill. Distributer. No. 1,067,093; July 8; Gaz. vol. 192; p. 439.
- Brown, Robert P., Philadelphia, Pa. Paper box. No. 1,052,564; Feb. 11; Gaz. vol. 187; p. 278.
- Brown, Robert P., assignor to Brown & Bailey Company, Philadelphia, Pa. Garment-form. No. 1,082,582; Dec. 30; Gaz. vol. 197; p. 1040.
- Brown, Robert S., assignor to The New Britain Machine Company, New Britain, Conn. Bearing mechanism. No. 1,078,606; Nov. 18; Gaz. vol. 196; p. 532.
- Brown, Royal H., El Paso, Tex. Implement for cutting and handling prickly-pear. No. 1,053,005; Feb. 11; Gaz. vol. 187; p. 428.
- Brown, Rudolf, Cuero, Tex. Passenger-recorder. No. 1,055,869; Mar. 11; Gaz. vol. 188; p. 445.
- Brown, Samuel E., Kenosha, Wis. Mail-bag catcher and deliverer. No. 1,051,676; Jan. 28; Gaz. vol. 186; p. 905.
- Brown, Samuel G., Lynn, Mass. Faucet. No. 1,055,704; Mar. 11; Gaz. vol. 188; p. 388.
- Brown, Samuel G., Lynn, Mass. Drain-trap. No. 1,082,730; Dec. 30; Gaz. vol. 197; p. 1091.
- Brown & Sharpe Manufacturing Company. (See Newton, George H., assignor.)
- Brown, Sidney G., London, England. Telephony and telegraphy. No. 1,055,870; Mar. 11; Gaz. vol. 188; p. 445.
- Brown, Sidney G., London, England. Telegraphic relay. No. 1,058,541; Apr. 8; Gaz. vol. 189; p. 439.
- Brown, Sidney G., London, England. Apparatus for use in administering anesthetics. No. 1,061,161; May 6; Gaz. vol. 190; p. 205.
- Brown, Sidney G., London, England. Telephony. No. 1,061,813; May 13; Gaz. vol. 190; p. 461.
- Brown, Sidney G., London, England. Telephony. No. 1,067,715; July 15; Gaz. vol. 192; p. 689.
- Brown, Sidney G., London, England. Siphon-recorder. No. 1,080,412; Dec. 2; Gaz. vol. 197; p. 175.
- Brown, Stewart, Chicago, Ill. Keyless lock. No. 1,050,719; Jan. 14; Gaz. vol. 186; p. 509.
- Brown Straw Binder Company, The. (See Roberts, Charles E., assignor.)
- Brown, Summers, London, England. Wheel. No. 1,063,771; June 3; Gaz. vol. 191; p. 208.
- Brown, Summers, London, England. Wheel. No. 1,072,305; Sept. 2; Gaz. vol. 194; p. 214.
- Brown, Sydney L., Mamaroneck, N. Y. Pipe-coupling. No. 1,058,542; Apr. 8; Gaz. vol. 189; p. 439.
- Brown, Theophilus, assignor to Richardson Manufacturing Company, Worcester, Mass. Transmission-gearing. No. 1,052,883; Feb. 11; Gaz. vol. 187; p. 386.
- Brown, Theophilus, assignor to Richardson Manufacturing Company, Worcester, Mass. Manure-spreader. No. 1,064,960; June 17; Gaz. vol. 191; p. 679.
- Brown, Thomas E. (See De Raasloff and Brown.)
- Brown, Thomas N., Jacksboro, Tex. Apparatus for cleaning cotton. No. 1,059,270; Apr. 15; Gaz. vol. 189; p. 727.
- Brown, Valetta V., Big Falls, Minn. Cooker. No. 1,058,288; Apr. 8; Gaz. vol. 189; p. 350.
- Brown, Walter F., Peoria, Ill. Wing-carrier. No. 1,056,734; Mar. 18; Gaz. vol. 188; p. 774.
- Brown, Walter M., Dayton, Ohio. Popcorn-crisp machine. No. 1,079,591; Nov. 25; Gaz. vol. 196; p. 904.
- Brown, William E., Milwaukee, Wis., and L. C. Granger, Tekonsha, Mich., assignors of one-third to W. M. Stewart, Milwaukee, Wis. Arc-light. No. 1,070,769; Aug. 19; Gaz. vol. 193; p. 648.
- Brown, William H. (See Cutler and Brown.)
- Brown, William H., Bangor, Mich. Display-machine. No. 1,079,105; Nov. 18; Gaz. vol. 196; p. 706.
- Brown, William J., Bonanza, Oreg. Churn. No. 1,051,375; Jan. 21; Gaz. vol. 186; p. 770.
- Brown, William J., assignor to Indianapolis Stove Company, Indianapolis, Ind. Hot-blast stove. No. 1,062,221; May 20; Gaz. vol. 190; p. 641.
- Brown, William L., Lansdowne, Pa. Prepayment-meter mechanism. No. 1,063,649; June 3; Gaz. vol. 191; p. 166.
- Brown, William L., assignor to S. H. Pomeroy, New Rochelle, N. Y. Closing device for window-sashes. No. 1,052,884; Feb. 11; Gaz. vol. 187; p. 387.
- Brown, William L., assignor to S. H. Pomeroy, New Rochelle, N. Y. Closing device for window-sashes. No. 1,052,885; Feb. 11; Gaz. vol. 187; p. 387.
- Brown, William P., Siler City, N. C. Brush-holder. No. 1,060,533; Apr. 29; Gaz. vol. 189; p. 1236.
- Brown, William S., Wichita, Kans. Recorder. No. 1,052,650; Feb. 11; Gaz. vol. 187; p. 307.
- Brown, William S., Knoxville, Tenn. Steam-engine valve-gear. No. 1,076,406; Oct. 21; Gaz. vol. 195; p. 681.
- Brownback, Henry L., Norristown, Pa. Internal-combustion engine. No. 1,077,793; Nov. 4; Gaz. vol. 196; p. 189.
- Browne, Alexander P., Cambridge, Mass. Coin control for motor-vehicles. No. 1,056,147; Mar. 18; Gaz. vol. 188; p. 573.
- Browne, Arthur B., Branford, Conn. Carbureter. No. 1,067,502; July 15; Gaz. vol. 192; p. 617.
- Browne, Arthur W. (See Johnston, Browne, and Wallace.)
- Browne, Arthur W., Prince Bay, N. Y., assignor to The S. S. White Dental Manufacturing Company, Philadelphia, Pa. Independent standard for supporting dental engines. No. 1,063,650; June 3; Gaz. vol. 191; p. 167.
- Browne, Arthur W., Prince Bay, N. Y., assignor to The S. S. White Dental Manufacturing Company, Philadelphia, Pa. Bracket. No. 1,075,541; Oct. 14; Gaz. vol. 195; p. 356.
- Browne, Carl D., Hot Springs township, Napa county, Cal. Airship. No. 1,061,445; May 13; Gaz. vol. 190; p. 337.
- Browne, Edwin S., Riverton, N. J. Book. No. 1,074,833; Oct. 7; Gaz. vol. 195; p. 83.
- Browne, Frederick G., Malvern, near Melbourne, Victoria, Australia. Apparatus for cleaning the hulls of ships or any kind of vessel. No. 1,079,208; Nov. 18; Gaz. vol. 196; p. 742.
- Browne, Robert, Butte, Mont. Railway-crossing. No. 1,055,442; Mar. 11; Gaz. vol. 188; p. 302.
- Browne, Sidney H., Pittsburgh, Pa., assignor to American Telephone and Telegraph Company. Telephone-exchange system. No. 1,073,589; Sept. 23; Gaz. vol. 194; p. 753.
- Brownell, Frank A., assignor to Eastman Kodak Company, Rochester, N. Y. Photographic-printing device. No. 1,060,813; May 6; Gaz. vol. 190; p. 85.
- Brownell, George L., Worcester, Mass. Twisting-machine. No. 1,076,096; Oct. 21; Gaz. vol. 195; p. 574.
- Brownfield, Ewing, assignor of one-half to T. L. Klaffke, Oklahoma, Okla. Fifth-wheel. No. 1,055,871; Mar. 11; Gaz. vol. 188; p. 445.
- Browning, George M., New York, N. Y. Seal. No. 1,075,327; Oct. 14; Gaz. vol. 195; p. 281.
- Browning, John M., Ogden, Utah. Take-down construction of firearms. No. 1,065,341; June 24; Gaz. vol. 191; p. 842.
- Browning, John M., Ogden, Utah. Safety device for firearms. No. 1,065,342; June 24; Gaz. vol. 191; p. 842.
- Browning, John M., Ogden, Utah. Firearm. No. 1,070,582; Aug. 19; Gaz. vol. 193; p. 586.
- Browning, Oscar. (See Beckner, Daniel W., assignor.)
- Browning, Tillie J., Philadelphia, Pa. Garment-hook. No. 1,056,496; Mar. 18; Gaz. vol. 188; p. 692.
- Browning, William H., New York, N. Y. Resilient vehicle running-gear. No. 1,066,378; July 1; Gaz. vol. 192; p. 166.
- Brownlie, Thomas A. M., Amritsar, India. Tube-well. No. 1,075,326; Oct. 14; Gaz. vol. 195; p. 281.
- Brownstein, Benjamin, Ellwood City, Pa. Concrete-building-block construction. No. 1,078,714; Nov. 18; Gaz. vol. 196; p. 571.
- Brox, George M., and H. S. Knight, Milford, Nebr. Railway-spike. No. 1,077,970; Nov. 11; Gaz. vol. 196; p. 282.
- Brož, Tomáš, Prague, Austria-Hungary. Tobacco-pipe. No. 1,074,489; Sept. 30; Gaz. vol. 194; p. 1085.
- Brozek, Joseph, New York, N. Y. Detachable turret for drill-presses and the like. No. 1,079,973; Dec. 2; Gaz. vol. 197; p. 18.

Alphabetical list of inventions—Continued.

- Brua, Elmer G. (See Wadsworth and Brua.)
- Brubaker, David F., Glen Campbell, Pa. Miner's cap. No. 1,081,659; Dec. 16; Gaz. vol. 197; p. 661.
- Brubaker, Phares W., West Reading, Pa. Gear-shift-lever device. No. 1,057,524; Apr. 1; Gaz. vol. 189; p. 44.
- Bruce, Alex, Fargo, N. D. Knockdown culvert-pipe. No. 1,065,429; June 24; Gaz. vol. 191; p. 872.
- Bruce, James W., Ozark, Ohio. Motor-vehicle. No. 1,075,088; Oct. 7; Gaz. vol. 195; p. 172.
- Bruce, John S., Birmingham, England. Fastener suitable for show-cases and other purposes. No. 1,062,763; May 27; Gaz. vol. 190; p. 862.
- Bruce-Macbeth Engine Company, The. (See Meriam, Joseph B., assignor.)
- Bruce, Robert, Wellington, Kans. Hasp-fastener. No. 1,079,390; Nov. 25; Gaz. vol. 196; p. 834.
- Bruce, William M., *et al.* (See Galopin, Henri, assignor.)
- Bruce, William M., Jr., assignor to The United Telegraph & Cable Company, Springfield, Ohio. Telegraphy. No. 1,073,886; Sept. 23; Gaz. vol. 194; p. 856.
- Bruchsaler, Karl, San Francisco, Cal. Insulator. No. 1,080,257; Dec. 2; Gaz. vol. 197; p. 119.
- Brück, Stephen, Berlin, Germany. Apparatus for magnetically separating materials. No. 1,056,318; Mar. 18; Gaz. vol. 188; p. 630.
- Bruck, Walter. (See Herzberg and Bruck.)
- Bruckman, Frederick A., Portland, Oreg. Automatic pastry-making machine. No. 1,071,027; Aug. 26; Gaz. vol. 193; p. 765.
- Bruckman, Frederick A., Portland, Oreg. Ice-cream-cone machine. No. 1,075,625; Oct. 14; Gaz. vol. 195; p. 385.
- Bruckman, Stephen, Lebanon, Pa. Seed-planter. No. 1,083,185; Dec. 30; Gaz. vol. 197; p. 1240.
- Brückmann, Franz, Jr., and O. Dempewolf, assignors to Bremer & Brückmann, Brunswick, Germany. Can-body flanger. No. 1,049,663; Jan. 7; Gaz. vol. 186; p. 119.
- Brückmann, Werner, Brunswick, Germany. Feeding apparatus. No. 1,066,992; July 8; Gaz. vol. 192; p. 406.
- Bruckner, Hugo. (See Vacek, Johanna, assignor.)
- Bruder, Albert A. and A. J., Detroit, Mich. Water-closet. No. 1,061,522; May 13; Gaz. vol. 190; p. 365.
- Bruder, August J. (See Bruder, Albert A. and A. J.)
- Bruder, Lawrence, Covington, Ky. Dumping-vehicle. No. 1,078,246; Nov. 11; Gaz. vol. 196; p. 376.
- Bruders, Bernhard, Rochester, N. Y. Suspension-coupling for arc-lamps. No. 1,073,566; Sept. 16; Gaz. vol. 194; p. 723.
- Bruecker, John, Fort Wayne, Ind. Combination pocket-tool. No. 1,057,525; Apr. 1; Gaz. vol. 189; p. 44.
- Brueckner, Charles, *et al.* (See Healy, Christopher J., assignor.)
- Brueggeman, Alvina, St. Louis, Mo. Vapor-bath apparatus. No. 1,080,678; Dec. 9; Gaz. vol. 197; p. 294.
- Bruene, Rudolf W., Cushing, Iowa. Cultivator attachment for planters. No. 1,062,882; May 27; Gaz. vol. 190; p. 901.
- Bruet, Alexandre J. A., St. Denis, France. Auxiliary raising and centering vehicle-rim. No. 1,078,825; Nov. 18; Gaz. vol. 196; p. 610.
- Bruff, Charles C., Coalport, England. Headlight. No. 1,063,952; June 10; Gaz. vol. 191; p. 302.
- Bruger, Theodor, assignor to Hartman & Braun A. G., Frankfurt-on-the-Main, Germany. Gyroscope-compass. No. 1,074,771; Oct. 7; Gaz. vol. 195; p. 64.
- Bruggeman, Adolph J. (See Artman and Bruggeman.)
- Brühl, Paul, Dusseldorf, Germany. Ball-bearing. No. 1,071,295; Aug. 26; Gaz. vol. 193; p. 855.
- Bruh, Wilhelm G., Berlin, Germany. Taximeter. No. 1,054,903; Mar. 4; Gaz. vol. 188; p. 85.
- Brulé, Willrod A., Walpole, Mass. Friction core-picker. No. 1,069,670; Aug. 12; Gaz. vol. 193; p. 230.
- Brüll, Koloman, Budapest, Austria-Hungary. Electrically-operated reversing-gear. No. 1,080,044; Dec. 2; Gaz. vol. 197; p. 44.
- Bruman, Otto F., Berlin, Germany, assignor to R. S. Hotz, Chicago, Ill. Turbine-wheel. No. 1,074,691; Oct. 7; Gaz. vol. 195; p. 38.
- Brumbach, Eward J. (See Knudson and Brumbach.)
- Brumbaugh, Denford A., Broken Arrow, Okla. Sign-holder. No. 1,061,261; May 13; Gaz. vol. 190; p. 275.
- Brumfiel, Daniel M., Connorsville, Ind., and P. G. Wright, Williamstown, Mass. End wrench. No. 1,074,160; Sept. 30; Gaz. vol. 194; p. 977.
- Brumfield, Cadwell L., Bogalusa, La. Plow-fender. No. 1,067,638; July 15; Gaz. vol. 192; p. 664.
- Brummett, William S., Coalinga, Cal. Adjustable casing-tongs. No. 1,073,661; Sept. 23; Gaz. vol. 194; p. 779.
- Brummett, William S., and L. S. Metz, Coalinga, Cal. Combination slip-socket. No. 1,081,427; Dec. 16; Gaz. vol. 197; p. 586.
- Brun, Louis, St. Chamond, France. Reversible rotary motor. No. 1,050,760; Jan. 14; Gaz. vol. 186; p. 522.
- Brun, Louis, St. Chamond, France. Power-transmitting plant. No. 1,058,697; Apr. 8; Gaz. vol. 189; p. 491.
- Brundage, James W., West Newton, Pa. Nut-locking device. No. 1,079,834; Nov. 25; Gaz. vol. 196; p. 989.
- Brundage, Samuel M. (See Bright, Martin C., assignor.)
- Brundage, Seth W., Herington, assignor to C. W. Parker, Leavenworth, Kans. Pivotal support. No. 1,059,825; Apr. 22; Gaz. vol. 189; p. 950.
- Brundige, Samuel H., Oakland, Cal. Saw-holder. No. 1,077,588; Nov. 4; Gaz. vol. 196; p. 120.
- Brune, Ernest L., *et al.* (See Koughan, John J. K., assignor.)
- Brune, Heinrich, and H. Horst, Frankfurt-on-the-Main, assignors to E. Abresch, Neustadt-on-the-Hardt, Germany. Band-press for drying vegetable and mineral substances. No. 1,055,384; Mar. 11; Gaz. vol. 188; p. 282.
- Brunelle, Arthur, assignor to M. Brunelle, North Yakima, Wash. Elevator. No. 1,054,900; Mar. 4; Gaz. vol. 188; p. 85.
- Brunelle, Henry, Ware, Mass. Picker-stick check. No. 1,070,768; Aug. 19; Gaz. vol. 193; p. 648.
- Brunelle, Joseph, *et al.* (See Brochu, Alfred, assignor.)
- Brunelle, Matilda. (See Brunelle, Arthur, assignor.)
- Bruner, Seabury E., and H. F. Hardin, Marion, Ind. Four-wheel drive. No. 1,077,794; Nov. 4; Gaz. vol. 196; p. 190.
- Bruner, Walter, Barry, Ill. Gate. No. 1,066,792; July 8; Gaz. vol. 192; p. 340.
- Brunet, Gustave, Herblay, and L. Apra, Paris, France. Device for mounting artificial pearls. No. 1,056,625; Mar. 18; Gaz. vol. 188; p. 736.
- Brunet, Martin, North Chicago, and J. Maček, Waukegan, Ill. Sign. No. 1,074,350; Sept. 30; Gaz. vol. 194; p. 1040.
- Brunette, Auguste, Montreal, Quebec, Canada. Burner for petroleum and other hydrocarbons. No. 1,073,326; Sept. 16; Gaz. vol. 194; p. 641.
- Brunhoff, Edward, Cincinnati, Ohio, assignor to H. Traiser & Co. Inc., Boston, Mass. Cigar-display holder. No. 1,076,097; Oct. 21; Gaz. vol. 195; p. 574.
- Bruninga, John H. (See Vaughn and Bruninga.)
- Brunkin, John H., Paige, Tex. Buggy-shaft brace. No. 1,074,045; Sept. 23; Gaz. vol. 194; p. 909.
- Brunkenhoefer, Henry F., Galveston, Tex. Mail-bag-handling apparatus. No. 1,078,768; Nov. 18; Gaz. vol. 196; p. 590.
- Brunko, Franz, Zurich, Switzerland. Electric clock. No. 1,080,414; Dec. 2; Gaz. vol. 197; p. 175.
- Brunnacker, Charles R., assignor to Claes and Lehnbeuter Manufacturing Company, St. Louis, Mo. Releasing device for door-latches. No. 1,070,402; Aug. 19; Gaz. vol. 193; p. 523.
- Brunner, Alfred, Leipzig-Eutritzsch, and W. Schöndeling, assignors to Adolf Bleichert & Company, Leipzig-Gohlis, Germany. Coke quenching and conveying apparatus. No. 1,077,255; Nov. 4; Gaz. vol. 196; p. 5.
- Brunner, Clarence H., Brooklyn, N. Y. Rail-joint. No. 1,078,247; Nov. 11; Gaz. vol. 196; p. 376.
- Bruno, Lorenzo, Washington, D. C. Grafting implement. No. 1,064,127; June 10; Gaz. vol. 191; p. 362.
- Bruno, Waldemar, Berlin, Germany. Manufacturing incandescence bodies. No. 1,051,677; Jan. 28; Gaz. vol. 186; p. 906.
- Bruns, Christian and H., assignors to Christian Bruns & Cie., G. m. b. H., Munich, Germany. Objective-shutter. No. 1,053,152; Feb. 18; Gaz. vol. 187; p. 523.
- Bruns, Hans T., Nuremberg, Germany. Reversible two-cycle internal-combustion engine. No. 1,071,392; Aug. 26; Gaz. vol. 193; p. 889.
- Bruns, Hans T., Nuremberg, Germany. Starting-valve for internal-combustion engines. No. 1,077,795; Nov. 4; Gaz. vol. 196; p. 190.
- Bruns, Heinrich. (See Bruns, Christian and H.)
- Brunst, William M., assignor to The Kinnear Manufacturing Company, Columbus, Ohio. End member for the slats of fire-shutters. No. 1,081,202; Dec. 9; Gaz. vol. 197; p. 471.
- Brunswick-Balke-Collender Co., The. (See Hjort, Axel F., assignor.)
- Brunswick-Balke-Collender Company of New York, The. (See Hyatt, John W., assignor.)
- Brunswick, Charles, Canisteo, N. Y. Safety appliance for vehicles. No. 1,077,217; Oct. 28; Gaz. vol. 195; p. 1013.
- Brunton, Andrew, Chicago, Ill. Lock. No. 1,050,800; Jan. 21; Gaz. vol. 186; p. 571.
- Brunton, Andrew, Chicago, Ill. Means for holding sash in position. No. 1,050,801; Jan. 21; Gaz. vol. 186; p. 572.
- Brunton, Arthur G., Centralia, assignor of one-half to W. J. Woods, Seattle, Wash. Work-holder for lathes. No. 1,078,484; Nov. 11; Gaz. vol. 196; p. 460.
- Brunton Brothers. (See Brunton, John L. and W. P., assignors.)
- Brunton, David W., Denver, Colo. Circular slide-rule. No. 1,056,775; Mar. 25; Gaz. vol. 188; p. 818.
- Brunton, David W., Denver, Colo. Transit. No. 1,062,582; May 27; Gaz. vol. 190; p. 802.
- Brunton, John L. and W. P., Westcombe Park, assignors to Brunton Brothers, Limited, London, England. Apparatus for flooding the compartments of ships. No. 1,061,262; May 13; Gaz. vol. 190; p. 275.
- Brunton, William P. (See Brunton, John L. and W. P.)
- Brüpbacher, Fritz, New York, N. Y. Folding brush. No. 1,063,411; June 3; Gaz. vol. 191; p. 82.

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- Brush, William O., Peoria, Ill. Bearing. No. 1,065,660; June 24; Gaz. vol. 191; p. 951.
- Brush, Alanson P. (See Nacker, Owen M., assignor.)
- Brush, Alanson P., Flint, Mich. Lubricating system for automobile transmission mechanism. No. 1,055,017; Mar. 4; Gaz. vol. 188; p. 123.
- Brush, Alanson P., Flint, Mich. Transmission-gear-shifting mechanism. No. 1,057,617; Apr. 1; Gaz. vol. 189; p. 75.
- Brush, Alanson P., Flint, Mich. Carbureter. No. 1,069,671; Aug. 12; Gaz. vol. 193; p. 230.
- Brush, Alanson P., Detroit, Mich. Carbureter. No. 1,077,256; Nov. 4; Gaz. vol. 196; p. 5.
- Brush, Alanson P., Detroit, Mich. Gas-mixture producer. No. 1,082,007; Dec. 23; Gaz. vol. 197; p. 809.
- Brush, Samuel S., Buffalo, N. Y. Horseshoe-calk. No. 1,057,326; Mar. 25; Gaz. vol. 188; p. 1005.
- Brusky, Frank J., and C. G. Voelkner, assignors to Advance Screen & Manufacturing Co., Milwaukee, Wis. Roller-screen. No. 1,068,975; July 29; Gaz. vol. 192; p. 1195.
- Bruton, Jackson W., Guthrie, Mo. Garment attachment. No. 1,078,826; Nov. 18; Gaz. vol. 196; p. 610.
- Bruton, Lee, Denver, Colo. Hydraulic engine. No. 1,083,186; Dec. 30; Gaz. vol. 197; p. 1240.
- Brutscher, August G., Pittsburgh, Pa. Hat-pin-point protector. No. 1,049,806; Jan. 7; Gaz. vol. 186; p. 166.
- Bruyne, Antonius L. de. (See Schrader, Wolfgang, assignor.)
- Bruzaud, Carlos N., New York, N. Y. Eye-shield. No. 1,079,287; Nov. 18; Gaz. vol. 196; p. 766.
- Bryan, Barnabas, Washington, D. C. Wax-melting device. No. 1,056,497; Mar. 18; Gaz. vol. 188; p. 693.
- Bryan, Daniel B., *et al.* (See Schwemlein, Harry C., assignor.)
- Bryan, Harry S., St. Louis, Mo. Combined cape, blanket, and shelter-tent. No. 1,078,992; Nov. 18; Gaz. vol. 196; p. 667.
- Bryan, John B., Downers Grove, Ill. Vine-trellis. No. 1,063,502; June 3; Gaz. vol. 191; p. 112.
- Bryan, John H., Moline, Kans. Rake. No. 1,055,131; Mar. 4; Gaz. vol. 188; p. 162.
- Bryan, Joseph P., Baltimore, Md., assignor to Ask-Your-Dealer Vantage Company, Incorporated. Deck of playing-cards. No. 1,062,952; May 27; Gaz. vol. 190; p. 925.
- Bryan, Mary B., administratrix. (See Schwemlein, Harry C., assignor.)
- Bryan, Oscar M., Chanute, Kans. Hoop-forming apparatus. No. 1,052,407; Feb. 4; Gaz. vol. 187; p. 191.
- Bryan, T. Ed., *et al.* (See Sweet, Edward J., assignor.)
- Bryant, Alexander, Chicago, Ill. Airship. No. 1,071,505; Aug. 26; Gaz. vol. 193; p. 925.
- Bryant, Arthur L., and M. C. Smith, Athol, Mass. Die or tap holder. No. 1,050,802; Jan. 21; Gaz. vol. 186; p. 572.
- Bryant, Charles A., Wakefield, Mass., assignor to Consolidated Safety Pin Company, Bloomfield, N. J. Fastener. No. 1,070,403; Aug. 19; Gaz. vol. 193; p. 523.
- Bryant, Charles H. (See McGowan, William, assignor.)
- Bryant, Clarence R., Fort Worth, Tex. Packing-ring for piston-rods. No. 1,072,306; Sept. 2; Gaz. vol. 194; p. 215.
- Bryant, Courtney S., Greene, assignor to W. A. Schleit, Syracuse, N. Y. Heating system for incubators. (Re-issue.) No. 1,3515; Jan. 21; Gaz. vol. 186; p. 771.
- Bryant, Cyrus A., Passaic, assignor to V. M. Sales Co., Plainfield, N. J. Drinking-cup. No. 1,050,100; Jan. 14; Gaz. vol. 186; p. 300.
- Bryant, Cyrus A., and C. H. Rounds, Passaic, N. J. Vending-machine. No. 1,057,327; Mar. 25; Gaz. vol. 188; p. 1005.
- Bryant Electric Company, The. (See Anderson, Eric, assignor.)
- Bryant Electric Company, The. (See Burton, Frank V., assignor.)
- Bryant Electric Company, The. (See Clauder, Arthur W., assignor.)
- Bryant Electric Company, The. (See Gagnon, William J., assignor.)
- Bryant Electric Company, The. (See Goodridge, Gilbert W., assignor.)
- Bryant Electric Company, The. (See Stacey, William A., assignor.)
- Bryant Electric Company, The. (See Thomas, George B., assignor.)
- Bryant Electric Company, The. (See Tobin, Thomas J., assignor.)
- Bryant Electric Company, The. (See Trood, Samuel, assignor.)
- Bryant Electric Company, The. (See Wallbillich, Anthony F., assignor.)
- Bryant, Emmons. (See Brashear, Peter C., assignor.)
- Bryant, Emmons, *et al.* (See Hilfrank, Edward, assignor.)
- Bryant, George, Highland Park, Ill. Railway-crossing signal system. No. 1,071,506; Aug. 26; Gaz. vol. 193; p. 925.
- Bryant, George E., Utica, N. Y. Safety device for railway-locomotive tenders. No. 1,072,081; Sept. 2; Gaz. vol. 194; p. 140.
- Bryant, George E., Evansville, and L. Kell, Princeton, Ind.; said Kell assignor to said Bryant. Glass-holding attachment for headlights. No. 1,050,335; Jan. 14; Gaz. vol. 186; p. 379.
- Bryant, George J., Alexandria, Ala. Fertilizer-distributor. No. 1,050,076; Jan. 7; Gaz. vol. 186; p. 257.
- Bryant, Hugh M. (See De Laney and Bryant.)
- Bryant, Jesse M., and J. Lind, Ganado, Tex. Rotatable table. No. 1,077,218; Oct. 28; Gaz. vol. 195; p. 1013.
- Bryant, Joshua A., assignor of two-thirds to H. Quint, Princeton, Cal. Nut-lock. No. 1,076,098; Oct. 21; Gaz. vol. 195; p. 575.
- Bryant, Lester J., and J. Case, Bradford, Pa. Automatic fire-alarm. No. 1,080,323; Dec. 2; Gaz. vol. 197; p. 141.
- Bryant, Martha, *et al.* (See Riley, Samuel L., assignor.)
- Bryant, Richard C., and J. M. Darling, Roanoke, Ill. Drier for seed-corn. No. 1,052,457; Feb. 11; Gaz. vol. 187; p. 243.
- Bryant, Stanley C., assignor to Bryant Zinc Company, Chicago, Ill. Train-annunciator. No. 1,075,542; Oct. 14; Gaz. vol. 195; p. 356.
- Bryant, Stanley C., assignor to Bryant Zinc Company, Chicago, Ill. Electromagnetic device. No. 1,076,481; Oct. 21; Gaz. vol. 195; p. 708.
- Bryant, Virgil C., Berkeley, Cal. Bean-harvester. No. 1,053,567; Feb. 18; Gaz. vol. 187; p. 667.
- Bryant, William, Massillon, Ohio. Metallurgical apparatus. No. 1,061,446; May 13; Gaz. vol. 190; p. 337.
- Bryant, William L., Springfield, Vt. Metal-grinding machine. No. 1,051,483; Jan. 28; Gaz. vol. 186; p. 841.
- Bryant, William L., Springfield, Vt. Chuck. No. 1,075,756; Oct. 14; Gaz. vol. 195; p. 429.
- Bryant, Zachariah T. (See De Laney and Bryant, assignors.)
- Bryant Zinc Company. (See Bryant, Stanley C., assignor.)
- Bryce Brothers Company. (See Bell, Elmer, assignor.)
- Bryce, James W. (See Goss and Bryce.)
- Bryce, James W., Brooklyn, N. Y. Elapsed-time recorder. No. 1,069,384; Aug. 5; Gaz. vol. 193; p. 104.
- Bryce, James W., Brooklyn, N. Y. Time-recorder. No. 1,075,543; Oct. 14; Gaz. vol. 195; p. 357.
- Bryce, James W., Brooklyn, N. Y. Time-recorder. No. 1,075,544; Oct. 14; Gaz. vol. 195; p. 357.
- Bryce, James W., Brooklyn, N. Y. Synchronizing device. No. 1,075,626; Oct. 14; Gaz. vol. 195; p. 385.
- Bryce, James W., Brooklyn, N. Y. Time-recorder. No. 1,075,627; Oct. 14; Gaz. vol. 195; p. 386.
- Bryson, Boyd. (See Roberts, Brewster, and Bryson.)
- Buchalter, Joseph, New York, N. Y. Cane frame for caps and hats. No. 1,077,796; Nov. 4; Gaz. vol. 196; p. 190.
- Buchan, Hugh G., Newark, N. J. Loose-leaf binder. No. 1,053,970; Feb. 25; Gaz. vol. 187; p. 840.
- Buchanan, Frank, Syracuse, N. Y. Headlight. No. 1,057,409; Apr. 1; Gaz. vol. 189; p. 6.
- Buchanan, Frank, Dayton, Ohio. Electric-arc lamp. No. 1,083,187; Dec. 30; Gaz. vol. 197; p. 1241.
- Buchanan, James W., Asheville, N. C. Life-preserver suit. No. 1,062,435; May 20; Gaz. vol. 190; p. 711.
- Buchanan, John A., Pittsburgh, Pa. Draft appliance. No. 1,073,327; Sept. 16; Gaz. vol. 194; p. 641.
- Buchanan, John A., Pittsburgh, Pa. Draft appliance. No. 1,077,797; Nov. 4; Gaz. vol. 196; p. 191.
- Buchanan-Lawrence Company. (See Dillberg, Erik, assignor.)
- Buchanan, Luther H., Los Angeles, Cal. Game apparatus. No. 1,059,111; Apr. 15; Gaz. vol. 189; p. 674.
- Buchanan, Samuel L., Valparaiso, Ind. Flying-machine. No. 1,080,195; Dec. 2; Gaz. vol. 197; p. 97.
- Buchanan, William A., Asheville, N. C. Thill-coupling. No. 1,073,328; Sept. 16; Gaz. vol. 194; p. 642.
- Büchel, Josef, Wengern-Ruhr, Germany. Refining iron and steel by means of ferrochromium alloy. No. 1,071,873; Sept. 2; Gaz. vol. 194; p. 70.
- Bucher, John E., Coventry, R. I. Producing alkali metals. No. 1,079,974; Dec. 2; Gaz. vol. 197; p. 19.
- Bucher, John E., Coventry, R. I. Synthetic production of cyanogen compounds and the like. No. 1,082,845; Dec. 30; Gaz. vol. 197; p. 1131.
- Bucher, Julian, Kansas City, Mo. Printing-press. No. 1,079,161; Nov. 18; Gaz. vol. 196; p. 727.
- Buchheim & Heister. (See Färber, Richard, assignor.)
- Büchi, Alfred, Winterthur, Switzerland, assignor to Busch-Sulzer Bros.-Diesel Engine Company, St. Louis, Mo. Marine-engine plant. No. 1,051,308; Jan. 21; Gaz. vol. 186; p. 749.
- Büchi, Alfred, Winterthur, Switzerland, assignor to Busch-Sulzer Bros.-Diesel Engine Company, St. Louis, Mo. Engine installation for ships. No. 1,051,309; Jan. 21; Gaz. vol. 186; p. 749.
- Buchner, James A., Maquoketa, Iowa. Folding floral-display rack. No. 1,078,248; Nov. 11; Gaz. vol. 196; p. 376.
- Buchstein, Ferdinand, Minneapolis, Minn. Artificial leg. No. 1,066,882; July 8; Gaz. vol. 192; p. 369.

Alphabetical list of inventions—Continued

- Buck, Charles H., Roosevelt, Ariz. Automatic poultry-house-door opener. No. 1,059,591; Apr. 22; Gaz. vol. 189; p. 873.
- Buck, Chester H., Cleveland, Tenn. Trolley-head. No. 1,053,006; Feb. 11; Gaz. vol. 187; p. 428.
- Buck, Daniel J. F., Chicago, Ill. Heating apparatus. No. 1,080,258; Dec. 2; Gaz. vol. 197; p. 119.
- Buck, Daniel L., North Fort Worth, Tex. Fly-trap. No. 1,062,633; May 27; Gaz. vol. 190; p. 820.
- Buck, George D., St. Louis, Mo. Lubricant-indicator for engine-crank cases. No. 1,068,626; July 29; Gaz. vol. 192; p. 1073.
- Buck, Horace D., New York, N. Y. Knitting-machine attachment. No. 1,058,543; Apr. 8; Gaz. vol. 189; p. 439.
- Buck, Stephen E., Moline, Ill. Heating and feeding apparatus for feed-water-purifying compounds. No. 1,063,116; May 27; Gaz. vol. 190; p. 979.
- Buck, Thomas F., Newark, N. J. Scissors-sharpener. No. 1,075,690; Oct. 14; Gaz. vol. 195; p. 407.
- Buck, Turney E., Springfield, Ill. Rail-fastening. No. 1,052,127; Feb. 4; Gaz. vol. 187; p. 98.
- Buckels, Christopher C., Chicago, Ill. Outlet-box support. No. 1,056,498; Mar. 18; Gaz. vol. 188; p. 693.
- Buckeye, George J., Kansas City, Mo., assignor, by mesne assignments, to Automobile Combination Lock and Circuit Breaker Company. Combination-lock and circuit-breaker. No. 1,082,731; Dec. 30; Gaz. vol. 197; p. 1092.
- Buckeye, George J., assignor of one-fourth to H. L. Mason, one-fourth to S. Baker, one-fourth to S. R. Hill, Kansas City, Mo., and one-fourth to W. D. Nowlin, Glen Rose, Tex. Combination-lock and circuit-breaker. No. 1,071,633; Aug. 26; Gaz. vol. 193; p. 968.
- Buckeye Manufacturing Company, The. (See Lambert, John W., assignor.)
- Buckeye Steel Castings Company, The. (See Whitridge and Johnson, assignors.)
- Buckeye Steel Castings Company, The. (See Bush, Samuel P., assignor.)
- Buckeye Traction Ditcher Company, The. (See Brown and Gerdeman, assignors.)
- Buckeye Traction Ditcher Company, The. (See Krupp, Leo A., assignor.)
- Buckhalts, William E., Bradley, Ala. Door-lock. No. 1,060,424; Apr. 29; Gaz. vol. 189; p. 1199.
- Buckham, George T. (See Dawson and Buckham.)
- Buckhannon, William Napier, assignor, by mesne assignments, to M. W. Hefner and F. G. Hoover, Burnsville, W. Va. Folding crate. No. 1,069,639; Aug. 5; Gaz. vol. 193; p. 189.
- Buckhart, James W., Santa Clara, Cal. Cutter-head. No. 1,062,634; May 27; Gaz. vol. 190; p. 820.
- Buckingham, Earle, Hartford, Conn., assignor to Royal Typewriter Company, New York, N. Y. Margin-stop device. No. 1,053,153; Feb. 18; Gaz. vol. 187; p. 524.
- Buckingham, Edgar W., Cleveland, Ohio. Protecting attachment for faucets. No. 1,056,735; Mar. 18; Gaz. vol. 188; p. 774.
- Buckland, Amos B., Rochester, N. Y. Automatic disinfectant-holder for telephone-mouthpieces. No. 1,079,538; Nov. 25; Gaz. vol. 196; p. 883.
- Buckland, Thomas, Hunters Hill, near Sydney, New South Wales, Australia. Photographic washing apparatus. No. 1,067,403; July 15; Gaz. vol. 192; p. 584.
- Bucklar, Joseph, assignor of one-half to H. A. Frank, Washington, D. C. Calk attachment for horseshoes. No. 1,060,316; Apr. 29; Gaz. vol. 189; p. 1160.
- Buckler, Mary M., Springfield, Mass. Toy effigy. No. 1,064,051; June 10; Gaz. vol. 191; p. 336.
- Buckler, William, Leicester, England. Wearing-apparel. No. 1,068,976; July 29; Gaz. vol. 192; p. 1195.
- Buckley, Alfred H., Philadelphia, Pa., assignor to American Can Company, New York, N. Y. Incased shipping-can for oil and other fluids. No. 1,063,503; June 3; Gaz. vol. 191; p. 112.
- Buckley Automatic Flag-Pole Company. (See Buckley, John J., assignor.)
- Buckley, Ernest, assignor of one-half to S. Smith, Philadelphia, Pa. Steam-boiler furnace. No. 1,051,546; Jan. 28; Gaz. vol. 186; p. 862.
- Buckley, Harry, Louisville, Ky. Disintegrator. No. 1,060,739; May 6; Gaz. vol. 190; p. 60.
- Buckley, Jane E., Berkeley, Cal. Broiler-pan. No. 1,069,107; Aug. 5; Gaz. vol. 193; p. 6.
- Buckley, John, Lynn, Mass. Insole. No. 1,075,188; Oct. 7; Gaz. vol. 195; p. 207.
- Buckley, John, Boston, assignor to The Viscol Company, Cambridge, Mass. Electric motor. No. 1,066,582; July 8; Gaz. vol. 192; p. 266.
- Buckley, John, assignor of one-fourth to A. A. Johnson, one-fourth to G. A. Kingsford, and one-fourth to H. H. Allen, Franklin, Idaho. Sled. No. 1,069,761; Aug. 12; Gaz. vol. 193; p. 261.
- Buckley, John J., Lynn, Mass., assignor to Buckley Automatic Flag-Pole Company. Rotatable truck for flag-staffs. No. 1,061,041; May 6; Gaz. vol. 190; p. 168.
- Buckley, John J., Lynn, Mass., assignor to Buckley Automatic Flag-Pole Company. Flag-bayards cleat and carrier. No. 1,061,042; May 6; Gaz. vol. 190; p. 169.
- Buckley, John L., Weatherford, Tex. Clothes-pln. No. 1,062,764; May 27; Gaz. vol. 190; p. 862.
- Buckley, John M., Falls City, Nebr. Fire-starter. No. 1,053,782; Feb. 18; Gaz. vol. 187; p. 740.
- Buckley, Thomas J., New Brunswick, N. J. Metal container. No. 1,080,747; Dec. 9; Gaz. vol. 197; p. 320.
- Buckman, Henry H., Jr., assignor to Columbia Heating Company, Indianapolis, Ind. Oil-burner. No. 1,063,412; June 3; Gaz. vol. 191; p. 82.
- Bucknam, Worthy C., Jersey City, N. J., assignor to Davis-Bournonville Company, New York, N. Y. Rotary blowpipe apparatus. No. 1,049,807; Jan. 7; Gaz. vol. 186; p. 166.
- Bucknam, Worthy C., Jersey City, N. J., assignor to Davis-Bournonville Company, New York, N. Y. Blowpipe apparatus. No. 1,051,547; Jan. 28; Gaz. vol. 186; p. 862.
- Bucknam, Worthy C., Jersey City, N. J., assignor to Davis-Bournonville Company, New York, N. Y. Pantograph apparatus. No. 1,059,271; Apr. 15; Gaz. vol. 189; p. 728.
- Bucknam, Worthy C., Jersey City, N. J., assignor to Davis-Bournonville Company, New York, N. Y. Blowpipe apparatus. No. 1,059,329; Apr. 15; Gaz. vol. 189; p. 748.
- Bucknam, Worthy C., Jersey City, N. J., assignor to Davis-Bournonville Company, New York, N. Y. Blowpipe apparatus. No. 1,078,412; Nov. 11; Gaz. vol. 196; p. 436.
- Buckner, William T., Shelbyville, Ky. Syringe. No. 1,050,803; Jan. 21; Gaz. vol. 186; p. 572.
- Buckner, Willie L., Humboldt, Tenn. Tongue-swing. No. 1,080,951; Dec. 9; Gaz. vol. 197; p. 391.
- Buckreis, Valentine, San Antonio, Tex. Curtain-stretcher. No. 1,059,112; Apr. 15; Gaz. vol. 189; p. 675.
- Buckwalter, John T. (See Weaver, Morris, assignor.)
- Buckwalter, Tracy V., Altoona, Pa. Braking mechanism for vehicles. No. 1,058,719; Apr. 15; Gaz. vol. 189; p. 535.
- Buckwalter, Tracy V., Altoona, Pa. Cast-metal wheel. No. 1,069,598; Aug. 5; Gaz. vol. 193; p. 175.
- Buckwalter, Tracy V., Altoona, Pa. Baggage-truck. No. 1,072,817; Sept. 9; Gaz. vol. 194; p. 422.
- Buckwalter, Tracy V., Altoona, Pa. Traction-wheel. No. 1,072,818; Sept. 9; Gaz. vol. 194; p. 423.
- Buckwalter, Tracy V., Altoona, Pa. Braking mechanism for vehicles. (Reissue.) No. 13,620; Sept. 30; Gaz. vol. 194; p. 1120.
- Buda Company. (See Evans, Howard S., assignor.)
- Buda Company. (See Penrose, Edward R., assignor.)
- Buda Foundry & Manufacturing Company. (See Gard and Ruthrauff, assignors.)
- Buda, Pasquale, New York, N. Y. Method and apparatus for making patterns. No. 1,072,908; Sept. 9; Gaz. vol. 194; p. 457.
- Buda, Pasquale, New York, N. Y. Brake. No. 1,075,814; Oct. 14; Gaz. vol. 195; p. 448.
- Budd, Edward G., assignor, by mesne assignments, to Hale and Kilburn Company, Philadelphia, Pa. Seating. No. 1,067,238; July 15; Gaz. vol. 192; p. 527.
- Budd, Edward G., assignor to Hale and Kilburn Company, Philadelphia, Pa. Car construction. No. 1,077,589; Nov. 4; Gaz. vol. 196; p. 120.
- Budd, Harry, Independence, Kans. Washing-machine cylinder. No. 1,066,705; July 8; Gaz. vol. 192; p. 310.
- Budd, William E., Elizabeth, N. J. Vehicle-tire. No. 1,063,008; May 27; Gaz. vol. 190; p. 942.
- Budd, William E., Elizabeth, N. J. Resilient tire. No. 1,067,639; July 15; Gaz. vol. 192; p. 664.
- Budd, William E., Elizabeth, N. J. Antiskidding attachment for tires. No. 1,080,259; Dec. 2; Gaz. vol. 197; p. 120.
- Buddens, Wilhelm, Wiesbaden, Germany, assignor to J. Dern, Salt Lake City, Utah. Roasting fine ores. No. 1,079,897; Nov. 25; Gaz. vol. 196; p. 1011.
- Budweiser, Bernhard, Chicago, Ill. Reversible-front garment. No. 1,065,027; June 17; Gaz. vol. 191; p. 699.
- Buechner, Guenther, and H. Semrau, Schenectady, N. Y. Pneumato electric piano-player. No. 1,073,792; Sept. 23; Gaz. vol. 194; p. 824.
- Buegeleisen, Samuel, New York, N. Y. Instrument-stand. No. 1,060,581; May 6; Gaz. vol. 190; p. 6.
- Buehler, Rudolph, Philadelphia, Pa., assignor to Philadelphia Hardware & Malleable Iron Works. Frame for registers, heaters, ventilators, or other suitable devices. No. 1,051,078; Jan. 21; Gaz. vol. 186; p. 671.
- Buell, Albert W., assignor to M. H. O. Fisher, St. Paul, Minn. Brake-setting mechanism. No. 1,063,327; June 3; Gaz. vol. 191; p. 53.
- Buell, Albert W., assignor to M. H. O. Fisher, St. Paul, Minn. Hand-rake. No. 1,072,568; Sept. 9; Gaz. vol. 194; p. 336.
- Buer, Heinz, Cologne, Germany. Obtaining tasteless and inodorous lecithin. No. 1,055,514; Mar. 11; Gaz. vol. 188; p. 326.
- Buerger, Charles B., assignor of one-half to S. Lipstadt, New York, N. Y. Liquid-soap-dispensing device. No. 1,080,196; Dec. 2; Gaz. vol. 197; p. 97.
- Buermann, Henry, Newark, N. J. Tire-holder. No. 1,054,171; Feb. 25; Gaz. vol. 187; p. 908.
- Buff, Max. (See Flachslander, Gräler, and Buff.)

Alphabetical list of inventions—Continued.

- Buffalo Dental Manufacturing Company. (See Lewis, Theodore G., assignor.)
- Buffalo Draft Gear Company. (See Kanane, John J., assignor.)
- Buffalo Forge Company. (See Carrier, Willis H., assignor.)
- Buffalo Forge Company. (See Van Deventer, John H., assignor.)
- Buffalo Foundry & Machine Company, The. (See Sleeper, Oliver S., assignor.)
- Buffalo Leather Co. (See Smith, William R., assignor.)
- Buffalo Pitts Company. (See Wadleigh, George E., assignor.)
- Buffalo Sled Company. (See Orcutt, Charles D., assignor.)
- Buffington, Elisha W., Fall River, Mass. Outlet-box. No. 1,081,947; Dec. 23; Gaz. vol. 197; p. 786.
- Bugatti, Ettore, Molsheim, Germany. Spring suspension for vehicles. No. 1,055,314; Mar. 11; Gaz. vol. 188; p. 257.
- Bugbee, Glenn W., Syracuse, N. Y., assignor to Milton Bradley Company, Springfield, Mass. Game apparatus. No. 1,051,548; Jan. 28; Gaz. vol. 186; p. 863.
- Bugbee, Glenn W., Syracuse, N. Y., assignor to Milton Bradley Company, Springfield, Mass. Game apparatus. No. 1,051,549; Jan. 28; Gaz. vol. 186; p. 863.
- Bugbee, Glenn W., Syracuse, N. Y., assignor to Milton Bradley Company, Springfield, Mass. Game apparatus. No. 1,051,550; Jan. 28; Gaz. vol. 186; p. 864.
- Bugbee, Glenn W., Syracuse, N. Y., assignor to Milton Bradley Company, Springfield, Mass. Game apparatus. No. 1,051,551; Jan. 28; Gaz. vol. 186; p. 864.
- Bugg, Owen T., Hoboken, N. J. Tire or tube for wheeled vehicles. No. 1,073,329; Sept. 16; Gaz. vol. 194; p. 642.
- Bugler, Arthur G., Warner, Alberta, Canada. Gang-plow. No. 1,068,977; July 29; Gaz. vol. 192; p. 1196.
- Buhl, Augustin, Fort Worth, Tex. Stamp-rack. No. 1,069,108; Aug. 5; Gaz. vol. 193; p. 7.
- Bühler, Gustav, Arbon, Switzerland. Shuttle for embroidery-machines. No. 1,073,733; Sept. 23; Gaz. vol. 194; p. 805.
- Buhoup, Harry C., Chicago, Ill. Brake mechanism. No. 1,081,428; Dec. 16; Gaz. vol. 197; p. 586.
- Buhr, Joseph F., assignor, by mesne assignments, to H. B. Strate and J. F. Buhr, Detroit, Mich. Explosive-engine. No. 1,075,545; Oct. 14; Gaz. vol. 195; p. 358.
- Bühren, Walther, assignor to W. Post, Iserlohn, Germany. Machine for making sewing-needles. No. 1,082,493; Dec. 30; Gaz. vol. 197; p. 1006.
- Bührer, Jacob, Constance, Germany. Apparatus for drying pottery and the like. No. 1,060,425; Apr. 29; Gaz. vol. 189; p. 1199.
- Builders Iron Foundry. (See Connet, Frederick N., assignor.)
- Building Improvement Co. (See Burchartz, Ferdinand, assignor.)
- Bujese, Louis. (See Boldizzoni, Teobaldo, assignor.)
- Bukacek, John D., and L. Stok, Howell, Nebr. Shaft or pole detacher. No. 1,049,664; Jan. 7; Gaz. vol. 186; p. 119.
- Bukolt, John J., Stevens Point, Wis. Tire-armor. No. 1,061,523; May 13; Gaz. vol. 190; p. 365.
- Bukolt, John J., Stevens Point, Wis. Tire-armor. No. 1,061,524; May 13; Gaz. vol. 190; p. 366.
- Bukouski, Charles J., Pasadena, Cal. Pocket-guard. No. 1,061,162; May 6; Gaz. vol. 190; p. 205.
- Bukowski, Leonard. (See Kurrell, Schneider, and Bukowski.)
- Bulasky, Louis, New York, N. Y. Hat-trimming machine. No. 1,059,341; Apr. 22; Gaz. vol. 189; p. 788.
- Bulir, Hermann A., Berlin-Neukölln, Germany. Telescopic lamp and like support. No. 1,058,217; Apr. 8; Gaz. vol. 189; p. 327.
- Bulkley, Ralph J., Kingman, Ariz. Counter-supporter. No. 1,066,462; July 8; Gaz. vol. 192; p. 224.
- Bull, Frank W., Oshawa, Ontario, Canada. Tracker for player-pianos. No. 1,051,802; Jan. 28; Gaz. vol. 186; p. 945.
- Bull, Frederick W., New London, Conn. Adjustable sectional mold. No. 1,077,971; Nov. 11; Gaz. vol. 196; p. 282.
- Bull, George A., assignor of one-half to C. E. Lones, Bucyrus, Ohio. Door-check. No. 1,057,995; Apr. 1; Gaz. vol. 189; p. 204.
- Bull, George F., Birmingham, England. Carbureter for internal-combustion engines. No. 1,081,203; Dec. 9; Gaz. vol. 197; p. 471.
- Bull, Milford H., Yorkton, Saskatchewan, Canada. Portable grain-elevator. No. 1,068,978; July 29; Gaz. vol. 192; p. 1196.
- Bullard, Edward P., Jr., Bridgeport, Conn. Cutting-lubricant attachment for machine-tools. No. 1,076,947; Oct. 28; Gaz. vol. 195; p. 926.
- Bullard, Edward P., Jr., Bridgeport, Conn. Cutting-lubricant device for machine-tools. No. 1,076,948; Oct. 28; Gaz. vol. 195; p. 926.
- Bullard, Edward P., Jr., assignor to The Bullard Machine Tool Co., Bridgeport, Conn. Cross-rail-securing device for machine-tools. No. 1,058,720; Apr. 15; Gaz. vol. 189; p. 535.
- Bullard, Edward P., Jr., assignor to The Bullard Machine Tool Co., Bridgeport, Conn. Center-stop for machine-tools. No. 1,059,655; Apr. 22; Gaz. vol. 189; p. 894.
- Bullard, Herbert A., Berkeley, Cal. Coin-selecting mechanism. No. 1,050,336; Jan. 14; Gaz. vol. 186; p. 380.
- Bullard Machine Tool Co., The. (See Bullard, Edward P., Jr., assignor.)
- Buller, Henry S., Spring Valley township, McPherson county, Kans. Plate-holding attachment for film-cameras. No. 1,067,971; July 22; Gaz. vol. 192; p. 809.
- Bulley, George W., assignor to The Mercury Manufacturing Company, Chicago, Ill. Transmission-gearing. No. 1,075,328; Oct. 14; Gaz. vol. 195; p. 281.
- Bullion, Earl L., Prescott, Ariz. Molding-die. No. 1,057,618; Apr. 1; Gaz. vol. 189; p. 76.
- Bullis, Henry M., Milwaukee, Wis. Printing-press attachment. No. 1,081,429; Dec. 16; Gaz. vol. 197; p. 586.
- Bullock, Alfred, New York, N. Y. Tabulator for typewriters. No. 1,058,721; Apr. 15; Gaz. vol. 189; p. 536.
- Bullock, Arthur R., assignor, by mesne assignments, to The Igniter Appliance Company, Cleveland, Ohio. Electrical igniting device for explosive-engines. No. 1,065,862; June 24; Gaz. vol. 191; p. 1019.
- Bullock, Arthur S., Aitkin, Minn. Tire-shoe. No. 1,076,345; Oct. 21; Gaz. vol. 195; p. 660.
- Bullock Electric Manufacturing Company, The, *et al.* (See Behrend, Bernard A., assignor.)
- Bullock Electric Manufacturing Company, The, *et al.* (See Fechheimer, Carl J., assignor.)
- Bullock Electric Manufacturing Company, The, *et al.* (See Field, Allan B., assignor.)
- Bullock Electric Manufacturing Company, The. (See Marburg, Louis C., assignor.)
- Bullock Electric Manufacturing Company, The, *et al.* (See Powell, William H., assignor.)
- Bullock Electric Manufacturing Company, The. (See Ralston, Howard H., assignor.)
- Bullock, Henry E., *et al.* (See Houghton, Orley C., assignor.)
- Bullock, Herbert, Bradford, England. Regulating apparatus. No. 1,073,025; Sept. 9; Gaz. vol. 194; p. 498.
- Bullock, James E., *et al.* (See Houghton, Orley C., assignor.)
- Bullock, Raymond G., assignor to Art Metal Construction Company, Jamestown, N. Y. Show-case. No. 1,076,547; Oct. 21; Gaz. vol. 195; p. 731.
- Bulmer, George D., Duquesne, Pa. Vehicle-wheel. No. 1,059,026; Apr. 15; Gaz. vol. 189; p. 645.
- Bulson, Charles H., Napa, Cal. Drainer for wounds. No. 1,071,028; Aug. 26; Gaz. vol. 193; p. 765.
- Bultmann, William F., Elgin, Ill. Reed-organ. No. 1,053,273; Feb. 18; Gaz. vol. 187; p. 565.
- Bültzingslöwen, Bruno von, New York, N. Y. Lifting-propeller for aeroplanes. No. 1,071,697; Sept. 2; Gaz. vol. 194; p. 9.
- Bumann, Theodore, Litchfield, Ill. Safety-razor. No. 1,069,523; Aug. 5; Gaz. vol. 193; p. 151.
- Bumer, Frank, Monessen, Pa. Pen. No. 1,050,609; Jan. 14; Gaz. vol. 186; p. 475.
- Bump, George P., La Crosse, Wis. Means for fastening paper sheets. No. 1,065,904; June 24; Gaz. vol. 191; p. 1033.
- Bump, George P., assignor of one-half to J. C. Hawkins, Newton, Iowa. Fastening device. No. 1,065,903; June 24; Gaz. vol. 191; p. 1033.
- Bunderle, John, Des Moines township, Jackson county, Minn. Gambrel. No. 1,049,990; Jan. 7; Gaz. vol. 186; p. 226.
- Bundy, Cyrus L., Jersey City, N. J., and J. J. Acker, Horton, Kans., assignors to Commonwealth Steel Company, St. Louis, Mo. Car draw-bar carry-iron. No. 1,079,633; Nov. 25; Gaz. vol. 196; p. 917.
- Bundy, Philo D., Mount Vernon, Ind. Well-digger's tool. No. 1,079,162; Nov. 18; Gaz. vol. 196; p. 727.
- Bundy, Willard H., assignor to W. H. Bundy Recording Company, Syracuse, N. Y. Time-recorder. No. 1,082,008; Dec. 23; Gaz. vol. 197; p. 809.
- Bunet, Victor J., Paris, France. Automatic machine for placing and fixing rollers in metal tubes or eyelets. No. 1,062,765; May 27; Gaz. vol. 190; p. 862.
- Bunker, Paul D., Fort Hancock, N. J. Tracer for projectiles. No. 1,080,413; Dec. 2; Gaz. vol. 197; p. 175.
- Bunker, Walter E., Natick, Mass. Low-cut-shoe attachment. No. 1,079,835; Nov. 25; Gaz. vol. 196; p. 989.
- Bunn, Annie, *et al.* (See Bunn, Joseph D., assignor.)
- Bunn, Joseph D., assignor to H. S. Wikel, York, Pa. Jack. No. 1,064,191; June 10; Gaz. vol. 191; p. 385.
- Bunn, Joseph D., York, assignor of one-half to P. R. Koons, Mechanicsburg, and one-half to A. and M. A. Bunn, Philadelphia, Pa. Automobile-jack. No. 1,081,013; Dec. 9; Gaz. vol. 197; p. 410.
- Bunn, Maia A., *et al.* (See Bunn, Joseph D., assignor.)
- Bunnell, Charles E., *et al.* (See Foss, Walter O., assignor.)
- Bunnell, Charles S., Hammond, Ind. Collapsible core for hollow concrete constructions. No. 1,082,999; Dec. 30; Gaz. vol. 193; p. 1184.

Alphabetical list of inventions—Continued.

- Bunnell, Morton G., assignor to F. C. Austin, Chicago, Ill. Excavator and levee-builder. No. 1,064,285; June 10; Gaz. vol. 191; p. 416.
- Bunnell, Morton G., assignor to F. C. Austin, Chicago, Ill. Adjustable ventilator-frame. No. 1,078,033; Nov. 11; Gaz. vol. 196; p. 303.
- Bunnell, Morton G., assignor to F. C. Austin, Chicago, Ill. Window-screen. No. 1,078,827; Nov. 18; Gaz. vol. 196; p. 610.
- Bunnell, Morton G., Porter, Ind., assignor, by mesne assignments, to Gillette Safety Razor Company. Safety-razor. No. 1,065,109; June 17; Gaz. vol. 191; p. 727.
- Bunnell, Morton G., assignor to The Mulloy Acetylene Gas Plant and Engineering Company, Limited, Chicago, Ill. Acetylene-gas generator. No. 1,073,070; Sept. 9; Gaz. vol. 194; p. 514.
- Bunnemeyer, Julius J., Chicago, Ill. Invalid bed. No. 1,070,010; Aug. 12; Gaz. vol. 193; p. 347.
- Bunten, John B., Mount Auburn, Iowa. Harrow attachment for planters and the like. No. 1,057,033; Mar. 25; Gaz. vol. 188; p. 908.
- Bunting, Archibald F., and J. Mohn, Detroit, Mich. Safety device for automobile-engines. No. 1,066,793; July 8; Gaz. vol. 192; p. 340.
- Bunting Iron Works. (See Hall, James T., assignor.)
- Bunzel, Paul, Cöthen, Germany. Apparatus for purifying sewage and the like. No. 1,079,391; Nov. 25; Gaz. vol. 196; p. 834.
- Burbank, Louis S., Hopedale, Mass. Puzzle. No. 1,062,953; May 27; Gaz. vol. 190; p. 926.
- Burbank, Louis S., Hopedale, Mass. Puzzle. No. 1,071,874; Sept. 2; Gaz. vol. 194; p. 71.
- Burberry, Thomas, London and county of Hants, England. Legging. No. 1,061,163; May 6; Gaz. vol. 190; p. 205.
- Burby, John M., Astoria, N. Y. Recovery of pulp from printed waste papers. No. 1,060,158; Apr. 29; Gaz. vol. 189; p. 1104.
- Burch, Charles E., and C. A. Woolsey, assignors to Home Amusement Company, Minneapolis, Minn. Game apparatus. No. 1,053,568; Feb. 18; Gaz. vol. 187; p. 667.
- Burch, Charles H., and W. B. Gervais, assignors to Variety Manufacturing Company, Chicago, Ill. Counterbalanced stair. No. 1,059,272; Apr. 15; Gaz. vol. 189; p. 728.
- Burch Plow Works Co., The. (See Carpenter, George T., assignor.)
- Burch, Ray W., Ann Arbor, Mich. Dental articulator. No. 1,080,809; Dec. 9; Gaz. vol. 197; p. 343.
- Burchardi, Bernhard T., New York, N. Y., V. E. Hansen, Elizabeth, N. J., and H. S. Marsh, assignors to International Cigar Machinery Company, New York, N. Y. Cigar-machine. No. 1,075,189; Oct. 7; Gaz. vol. 195; p. 207.
- Burchardi, Bernhard T., New York, N. Y., V. E. Hansen, Elizabeth, N. J., and H. S. Marsh, assignors to International Cigar Machinery Company, New York, N. Y. Cigar-machine. No. 1,077,903; Nov. 4; Gaz. vol. 196; p. 226.
- Burchartz, Ferdinand, assignor to Building Improvement Co., New York, N. Y. Hollow building-block and making same. No. 1,054,670; Mar. 4; Gaz. vol. 188; p. 6.
- Burchartz, Johann G., Cologne, Germany. Carbureter. No. 1,079,634; Nov. 25; Gaz. vol. 196; p. 918.
- Burchess, Herman, Chicago, Ill. Suitcase. No. 1,081,014; Dec. 9; Gaz. vol. 197; p. 410.
- Burchett, Louis H., Cashion, Okla. Oil-can attachment. No. 1,075,691; Oct. 14; Gaz. vol. 195; p. 407.
- Burchfield, C. E., *et al.* (See Hupp, William R., assignor.)
- Burcik, Joseph. (See Bialozyt, Jan, assignor.)
- Bürck, Theodor, Pforzheim, Germany. Manufacture of soldered chains and wire tissues from wire of solid cross-section. No. 1,073,090; Sept. 16; Gaz. vol. 194; p. 557.
- Burckhart, Henry B., Chicago, Ill., assignor to Yawman & Erbe Manufacturing Company, Rochester, N. Y. Index-tab. No. 1,079,209; Nov. 18; Gaz. vol. 196; p. 742.
- Bürkner, Julius, Leipzig-Connewitz, Germany. Button-covering machine. No. 1,059,113; Apr. 15; Gaz. vol. 189; p. 675.
- Burdeaux, Carey E. and C. W., Huntsville, Tex. Churn. No. 1,054,086; Feb. 25; Gaz. vol. 187; p. 878.
- Burdeaux, Charles W. (See Burdeaux, Carey E. and C. W.)
- Burdett, Owen L., Buffalo, N. Y. Nautical indicating device. No. 1,067,716; July 15; Gaz. vol. 192; p. 689.
- Burdett, William V., Cowpens, S. C. Door-spring. No. 1,057,929; Apr. 1; Gaz. vol. 189; p. 182.
- Burdette, William W. (See Miller and Burdette.)
- Burdette, William W., and E. E. Davis, Montgomery, W. Va. Guard-rail. No. 1,059,708; Apr. 22; Gaz. vol. 189; p. 912.
- Burdg, Elmer. (See Menzl and Burdg.)
- Burdick, Austin F., Beloit, Wis. Heating appliance. No. 1,069,599; Aug. 5; Gaz. vol. 193; p. 175.
- Burdick, Charles J. (See Desautels and Lacroix, assignors.)
- Burdick, Charles J. (See Lacroix and Desautels, assignors.)
- Burdick, Charles L., London, England. Coin-counting machine. No. 1,066,180; July 1; Gaz. vol. 192; p. 98.
- Burdick, Charles L., London, England. Money-counting machine. No. 1,066,181; July 1; Gaz. vol. 192; p. 98.
- Burdick, Fred F., Chicago, Ill. Collapsible cabinet. No. 1,066,883; July 8; Gaz. vol. 192; p. 369.
- Burdick, Fred F., Chicago, Ill. Collapsible cabinet. No. 1,066,884; July 8; Gaz. vol. 192; p. 369.
- Burdick, James M. (See Bodmer and Burdick.)
- Burdick, James M., and E. A. Schade, assignors to Stanley Rule & Level Company, New Britain, Conn. Level. No. 1,050,610; Jan. 14; Gaz. vol. 186; p. 476.
- Burdick, James M., and C. Bodmer, assignors to The Stanley Rule & Level Company, New Britain, Conn. Plane. No. 1,053,274; Feb. 18; Gaz. vol. 187; p. 566.
- Burdick, James M., and H. P. Richards, assignors to The Stanley Rule & Level Company, New Britain, Conn. Plane. No. 1,053,356; Feb. 18; Gaz. vol. 187; p. 594.
- Burdick, Jennie, Lakewood, N. Y. Skirt-gage. No. 1,071,661; Aug. 26; Gaz. vol. 193; p. 977.
- Burdick & Son. (See Bedell and King, assignors.)
- Burdin, Eva D., White Bluff, Wash. Kitchen utensil for draining cooking vessels. No. 1,058,146; Apr. 8; Gaz. vol. 189; p. 302.
- Burdine, Charles C., Washington, D. C., assignor to Mergenthaler Linotype Company. Typographical machine. No. 1,067,503; July 15; Gaz. vol. 192; p. 618.
- Burdon, John, W. M., and M. M. Bellshill, Scotland. Liquid-fuel furnace. No. 1,081,015; Dec. 9; Gaz. vol. 197; p. 411.
- Burdon, Matthew M. (See Burdon, John, W. M., and M. M.)
- Burdon, William M. (See Burdon, John, W. M., and M. M.)
- Burga, Rómulo F., Liverpool, England. Aeroplane. No. 1,068,311; July 22; Gaz. vol. 192; p. 926.
- Burgdorf, Christian H. F., Altona, Germany. Operating mechanism for single-chain grabs. No. 1,058,031; Apr. 8; Gaz. vol. 189; p. 261.
- Burgdorf, Frederick, Lorain, Ohio. Potato-digger. No. 1,051,552; Jan. 28; Gaz. vol. 186; p. 864.
- Burge, William C., Greensboro, N. C. Hacksaw. No. 1,051,193; Jan. 21; Gaz. vol. 186; p. 709.
- Burgener, Frederick, Olney, Ill. Torpedo and fusee holder for lamps. No. 1,071,662; Aug. 26; Gaz. vol. 193; p. 977.
- Burger, Albert, Watkins, Minn., assignor of one-half to L. Atlas, Frederic, Wis. Binder-truck attachment. No. 1,050,424; Jan. 14; Gaz. vol. 186; p. 410.
- Burger, Archibald L., Ono, Cal. Hat-pin guard. No. 1,082,067; Dec. 23; Gaz. vol. 197; p. 829.
- Burger, Christian, Nuremberg, Germany. Brush. No. 1,061,814; May 13; Gaz. vol. 190; p. 461.
- Burger, Frederick W. (See Doecker and Burger.)
- Burger, Paul, Baumholder, Germany. Stone-cutting machine. No. 1,081,576; Dec. 16; Gaz. vol. 197; p. 634.
- Burgert, August, assignor to Elsaessische Maschinenbau Gesellschaft, Mülhausen, and E. Mertens, Freiburg, Breisgau, Germany. Adjustable bearing for printing-machine rollers. No. 1,068,562; July 29; Gaz. vol. 192; p. 1049.
- Burgess, Andrew O., Newark, N. J. Bracelet. No. 1,055,315; Mar. 11; Gaz. vol. 188; p. 258.
- Burgess, Arthur, assignor to J. H. Bromley, Philadelphia, Pa. Twist-lace fabric. No. 1,053,478; Feb. 18; Gaz. vol. 187; p. 636.
- Burgess, Charles F., Madison, Wis. Reducing zinc oxids. No. 1,059,342; Apr. 22; Gaz. vol. 189; p. 789.
- Burgess, Charles P., Depauw, Ind. Vehicle-wheel. No. 1,057,115; Mar. 25; Gaz. vol. 188; p. 936.
- Burgess, Edward T., Columbus, Ohio. Soldering-furnace. No. 1,075,757; Oct. 14; Gaz. vol. 195; p. 429.
- Burgess, Henry E., Brooklyn, N. Y. Concrete railway-tie. No. 1,062,436; May 20; Gaz. vol. 190; p. 712.
- Burgess, Henry M., Wellington, Ala. Nut-lock. No. 1,060,064; Apr. 29; Gaz. vol. 189; p. 1072.
- Burgess, Jonathan, Marion, Ohio. Loose-leaf binder. No. 1,079,039; Nov. 18; Gaz. vol. 196; p. 634.
- Burgess, Lysle P. (See Daniels and Burgess.)
- Burgess, Percival G., Jamaica, N. Y., assignor, by mesne assignments, to General Acoustic Company. Intercommunicating telephone system. No. 1,080,260; Dec. 2; Gaz. vol. 197; p. 120.
- Burgess, Robert, *et al.* (See Brindle, Thomas, assignor.)
- Burgess, Robert M., Columbia, Mo. Spring-wheel. No. 1,052,565; Feb. 11; Gaz. vol. 187; p. 278.
- Burgess, Yorke, Chicago, Ill. Combination electric switch. No. 1,074,241; Sept. 30; Gaz. vol. 194; p. 1003.
- Burggaller, Adolph, West Hoboken, N. J. Refuse-receptacle. No. 1,062,270; May 20; Gaz. vol. 190; p. 658.
- Burgh, John, Denver, Colo. Valve mechanism for internal-combustion engines. No. 1,070,583; Aug. 19; Gaz. vol. 193; p. 586.
- Burghardt, Frederick, Brooklyn, N. Y. Display-holder. No. 1,056,002; Mar. 18; Gaz. vol. 188; p. 523.
- Burghoff, John E., and J. B. Wilks, Leominster, Mass. Embossing and cutting device. No. 1,055,872; Mar. 11; Gaz. vol. 188; p. 446.

Alphabetical list of inventions—Continued.

- Burghoffer, Frank G., Bellingham, Wash. Gas-engine governor. No. 1,072,696; Sept. 9; Gaz. vol. 194; p. 380.
- Burgoon, Robert L., Sharpsburg, Pa. Door for box-cars. No. 1,077,798; Nov. 4; Gaz. vol. 196; p. 191.
- Burggraf, Louis, Jr., Mason City, Iowa. Means for tire inflation. No. 1,054,504; Feb. 25; Gaz. vol. 187; p. 1023.
- Burgster, Nathan G., Minneapolis, Minn. Collar-supporting device. No. 1,059,826; Apr. 22; Gaz. vol. 189; p. 950.
- Burguières, Denis P. J., C. L. Corne, and G. E. Marshall, New Orleans, La. Evaporating apparatus. No. 1,072,307; Sept. 2; Gaz. vol. 194; p. 215.
- Burgum, William C., assignor of two-eighths to D. R. McCredie, one-eighth to K. W. Runser, and two-eighths to E. S. Fownes, Pittsburgh, Pa. Gearing. No. 1,060,814; May 6; Gaz. vol. 190; p. 85.
- Burk Brothers. (See Daniels, Parvis C., assignor.)
- Burk, Charley G., Spencer, S. D. Stove-lid lifter. No. 1,068,979; July 29; Gaz. vol. 192; p. 1196.
- Burk, Maud M., Rices Landing, Pa. Curtain-pole. No. 1,061,043; May 6; Gaz. vol. 190; p. 169.
- Bürk, Richard, Schwenningen, Germany. Workman's time recorder with printing mechanism and displaceable ink-ribbon. No. 1,066,182; July 1; Gaz. vol. 192; p. 99.
- Burk, William H., St. Louis, Mo. Hollow tile. No. 1,062,077; May 20; Gaz. vol. 190; p. 592.
- Burkard, Emil, Potsdam, Germany, assignor to E. I. du Pont de Nemours Powder Company, Wilmington, Del. Detonating fuse. No. 1,049,665; Jan. 7; Gaz. vol. 186; p. 114.
- Burkard, Emil, Potsdam, Germany, assignor to E. I. du Pont de Nemours Powder Company, Wilmington, Del. Detonating fuse. No. 1,049,666; Jan. 7; Gaz. vol. 186; p. 119.
- Burke, Abraham L., Chicago, Ill., assignor to W. A. Scott, trustee. Phonograph-reproducer. No. 1,065,212; June 17; Gaz. vol. 191; p. 759.
- Burke, Alfred W., Wilkinsburg, Pa. Multirate electric meter. No. 1,082,148; Dec. 23; Gaz. vol. 197; p. 855.
- Burke, E. V. (See Pelle, Henry D., assignor.)
- Burke, Edward R., New York, N. Y. Tobacco-pipe. No. 1,051,860; Feb. 4; Gaz. vol. 187; p. 5.
- Burke Electric Company. (See Burke, James, assignor.)
- Burke, Frank G., Jr. (See Odlin, Harry W., assignor.)
- Burke, James, Erie, Pa., assignor to Burke Electric Company. Universal motor. No. 1,053,940; Feb. 18; Gaz. vol. 187; p. 792.
- Burke, James, Erie, Pa., assignor to Burke Electric Company. Commutator. No. 1,061,251; May 6; Gaz. vol. 190; p. 236.
- Burke, James, Erie, Pa., assignor to Burke Electric Company. Electric controlling apparatus. No. 1,072,422; Sept. 9; Gaz. vol. 194; p. 284.
- Burke, James, Erie, Pa., assignor to Burke Electric Company. Means for controlling synchronous machines. No. 1,073,662; Sept. 23; Gaz. vol. 194; p. 779.
- Burke, James, Erie, Pa., assignor to Burke Electric Company. Electric furnace. No. 1,082,459; Dec. 23; Gaz. vol. 197; p. 961.
- Burke, James, Erie, Pa., assignor to Chicago Pneumatic Tool Company. Electric riveting-machine. No. 1,062,883; May 27; Gaz. vol. 190; p. 901.
- Burke, John M., Scranton, Pa. Apparatus for filling cuts. No. 1,068,312; July 22; Gaz. vol. 192; p. 926.
- Burke, Lot F., Schenectady, N. Y. Combination handle-bar clamp and bracket. No. 1,059,432; Apr. 22; Gaz. vol. 189; p. 821.
- Burke, Michael J., Syracuse, N. Y. Ticket-holder. No. 1,074,102; Sept. 30; Gaz. vol. 194; p. 958.
- Burke, Patrick J. (See Combs and Burke.)
- Burke, Stephen E., Hamilton, Ind., assignor of one-half to R. M. Isenhardt, Edon, Ohio. Windmill-lubricator. No. 1,058,544; Apr. 8; Gaz. vol. 189; p. 440.
- Burke, Thomas J., New Orleans, La. Animal-trap. No. 1,059,114; Apr. 15; Gaz. vol. 189; p. 675.
- Burke, Thomas J., New Orleans, La. Animal-trap. No. 1,077,452; Nov. 4; Gaz. vol. 196; p. 75.
- Burke, Thomas N., Chicago, Ill. Aerial apparatus. No. 1,059,433; Apr. 22; Gaz. vol. 189; p. 821.
- Burke, Thomas N., Chicago, Ill. Adjustable light-holder. No. 1,062,691; May 27; Gaz. vol. 190; p. 839.
- Burke, William E., Lorain, Ohio. Stop and waste or drain cock. No. 1,073,953; Sept. 23; Gaz. vol. 194; p. 879.
- Burke, William J., et al. (See Betz, William G., assignor.)
- Burke, William J., Portsmouth, Ohio. Shoe-drying last. No. 1,057,801; Apr. 1; Gaz. vol. 189; p. 139.
- Burke, William W., Bennington, Vt. Yarn-scraper. No. 1,071,698; Sept. 2; Gaz. vol. 194; p. 9.
- Burkett, Alvie R., Manns Choice, Pa. Vehicle-wheel. No. 1,077,799; Nov. 4; Gaz. vol. 196; p. 191.
- Burkey, Harvey M., Newark, N. J., assignor to Metallurgical Company of America, New York, N. Y. Obtaining zinc oxid and sinter from alloys containing zinc. No. 1,061,447; May 13; Gaz. vol. 190; p. 337.
- Burkhardt, Alexander, Indianapolis, Ind. Multispeed-transmission gearing. No. 1,070,228; Aug. 12; Gaz. vol. 193; p. 422.
- Burkhardt, George J., Burlingame, Cal. Engine-starting device. No. 1,076,660; Oct. 28; Gaz. vol. 195; p. 823.
- Burkhardt, Firm of Hugo. (See Gübel, Otto, assignor.)
- Burkhardt, Charles F., New York, N. Y. Shoe-polishing machine. No. 1,051,387; Jan. 28; Gaz. vol. 186; p. 808.
- Burkhart, Charles F., New York, assignor to W. J. Reiman, Buffalo, N. Y. Demountable rim and tire-fastener for wheels. No. 1,051,079; Jan. 21; Gaz. vol. 186; p. 671.
- Burkhart, Frank A., Reading, Pa. Fountain-brush. No. 1,060,159; Apr. 29; Gaz. vol. 189; p. 1104.
- Burkhow, Andrew, Huxley, Iowa. Automatic return for hay-carriers. No. 1,080,045; Dec. 2; Gaz. vol. 197; p. 44.
- Burks, William E., Grit, Tex. Ax-handle. No. 1,054,823; Mar. 4; Gaz. vol. 188; p. 60.
- Burland, Jeffrey H. (See Lathey, Myron A., assignor.)
- Burlando, John A., assignor of one-half to D. M. Cash, New York, N. Y. Comb and barrette. No. 1,052,310; Feb. 4; Gaz. vol. 187; p. 158.
- Burleigh, James K., assignor to American Sign Company, Kalamazoo, Mich. Sign. No. 1,050,917; Jan. 21; Gaz. vol. 186; p. 616.
- Burleigh, James K., assignor to American Sign Company, Kalamazoo, Mich. Sign. No. 1,054,274; Feb. 25; Gaz. vol. 187; p. 943.
- Burleson, Lemuel R., Plains, Tex. Attachment for wind-mills. No. 1,066,249; July 1; Gaz. vol. 192; p. 124.
- Burlew, Richard J., Olive Branch, Ohio. Window-sash fastener. No. 1,056,003; Mar. 18; Gaz. vol. 188; p. 524.
- Burley, Wilson L., and B. A. Gilliotte, Crooksville, Ohio. Apparatus for burning earthenware. No. 1,071,663; Aug. 26; Gaz. vol. 193; p. 978.
- Burling, Charles S., San Jose, assignor, by mesne assignments, of two hundred and twenty-five one-thousandths to W. Burris, two hundred and twenty-five one-thousandths to G. Crow, two hundred and twenty-five one-thousandths to H. C. Mortensen, two hundred and twenty-five one-thousandths to G. A. Whitehurst, and one hundred one-thousandths to H. Hansen, Stanislaus county, Cal. Wave-motor. No. 1,056,319; Mar. 18; Gaz. vol. 188; p. 630.
- Burling, Walter, Grand Rapids, Mich. Mower. No. 1,053,901; Feb. 18; Gaz. vol. 187; p. 778.
- Burlingame, Elmer A., assignor to Burlingame Telegraphing Typewriter Company, Boston, Mass. Selective telegraph system. No. 1,078,899; Nov. 18; Gaz. vol. 196; p. 635.
- Burlingame Telegraphing Typewriter Company. (See Burlingame, Elmer A., assignor.)
- Burn-All Incinerator Company. (See McCause, William, assignor.)
- Burn, Louis. (See Woodward and Burn.)
- Burn, Robert, Petone, New Zealand. Folding-machine. No. 1,056,320; Mar. 18; Gaz. vol. 188; p. 630.
- Burnap, Charles E., Chicago, Ill. Cork-fastener. No. 1,066,250; July 1; Gaz. vol. 192; p. 124.
- Burne, Stanley. (See Force and Burne.)
- Burner, William L. (See Doty, Burner, and Wilcox.)
- Burnes, Joseph W. (See Smith, James H., assignor.)
- Burnett, Benjamin H., Columbus, Ohio. Car-coupling. No. 1,058,147; Apr. 8; Gaz. vol. 189; p. 302.
- Burnett, Harry W., Canton, Ohio. Plate and sheet furnace. No. 1,067,862; July 22; Gaz. vol. 192; p. 772.
- Burnett, Richard W., Montreal, Quebec, Canada. Running-board saddle. No. 1,052,566; Feb. 11; Gaz. vol. 187; p. 278.
- Burnett, Richard W., Montreal, Quebec, Canada. Passenger-car truck. No. 1,061,263; May 13; Gaz. vol. 190; p. 275.
- Burnett, Richard W., Montreal, Quebec, Canada. Grain-door. No. 1,069,672; Aug. 12; Gaz. vol. 193; p. 230.
- Burnett, Richard W., Montreal, Quebec, Canada. Card-door-locking device. No. 1,069,762; Aug. 12; Gaz. vol. 193; p. 262.
- Burnett, Richard W., Montreal, Quebec, Canada. Air-brake-pipe hanger for railway-cars. No. 1,070,770; Aug. 19; Gaz. vol. 193; p. 648.
- Burnett, Richard W., Montreal, Quebec, Canada. Dump-car door. No. 1,072,423; Sept. 9; Gaz. vol. 194; p. 284.
- Burnett, Richard W., Montreal, Quebec, Canada. Dump-car door. No. 1,079,691; Nov. 25; Gaz. vol. 196; p. 937.
- Burnett, Richard W., Montreal, Quebec, Canada. Lock for dump-car doors. No. 1,081,204; Dec. 9; Gaz. vol. 197; p. 472.
- Burnett, Richard W., Montreal, Quebec, Canada. Convertible flat and hopper bottom dumping car. No. 1,081,205; Dec. 9; Gaz. vol. 197; p. 472.
- Burnett, Richard W., Montreal, Quebec, Canada. Convertible car. No. 1,081,430; Dec. 16; Gaz. vol. 197; p. 587.
- Burnett, Richard W., Montreal, Quebec, Canada. Roof. No. 1,083,239; Dec. 30; Gaz. vol. 197; p. 1260.
- Burnett, Richard W., Montreal, Quebec, Canada. Car-roof. No. 1,083,240; Dec. 30; Gaz. vol. 197; p. 1260.
- Burnett, Richard W., and H. H. Vaughan, Montreal, Quebec, Canada. Sill for railway-cars. No. 1,078,660; Nov. 18; Gaz. vol. 196; p. 550.

Alphabetical list of inventions—Continued.

- Burnett, W. V., *et al.* (See Dennison, Charles R., assignor.)
- Burnett, William E., assignor, by mesne assignments, to Remington Typewriter Company, Ilion, N. Y. Type-writing machine. No. 1,059,926; Apr. 22; Gaz. vol. 189; p. 982.
- Burnett, William S., assignor to Morse Code Signal Co., Milwaukee, Wis. Attachment for magnetos. No. 1,063,651; June 3; Gaz. vol. 191; p. 167.
- Burnette, Benjamin, and F. C. Avery, San Diego, Cal. Gravity-hinge. No. 1,058,944; Apr. 15; Gaz. vol. 189; p. 615.
- Burney, Charles D., Kilmeston, Alvesford, England. Aeronautical apparatus. No. 1,071,140; Aug. 26; Gaz. vol. 193; p. 804.
- Burney, Charles D., Kilmeston, Alresford, England. Aeronautical apparatus. No. 1,073,567; Sept. 16; Gaz. vol. 194; p. 723.
- Burnham, George A., Cliftondale, assignor to S. B. Condit, Jr., Brookline, Mass. Electric ground-detector. No. 1,055,018; Mar. 4; Gaz. vol. 188; p. 124.
- Burnham, George A., Cliftondale, assignor to S. B. Condit, Jr., Brookline, Mass. Protecting electric motors. No. 1,063,179; June 3; Gaz. vol. 191, p. 3.
- Burnham, George A., Cliftondale, Mass., assignor of one-half to T. Howe, New York, N. Y. Feed-bag for animals. No. 1,075,758; Oct. 14; Gaz. vol. 195; p. 430.
- Burnham, Harry S., Brant, N. Y. Fabric-folding device. No. 1,081,206; Dec. 9; Gaz. vol. 197; p. 473.
- Burnham, Joseph L., Schenectady, N. Y., assignor to General Electric Company. Dynamo-electric machine. No. 1,055,873; Mar. 11; Gaz. vol. 188; p. 446.
- Burnham, Perry E., Woods Cross, Utah. Water-gate for ditches and canals. No. 1,059,656; Apr. 22; Gaz. vol. 189; p. 894.
- Burnham, Warren L., Vallejo, Cal. Safety-hook. No. 1,068,313; July 22; Gaz. vol. 192; p. 927.
- Burnite, William N., Riverhead, N. Y. Envelop-opener. No. 1,082,400; Dec. 23; Gaz. vol. 197; p. 944.
- Burnor, Frederick. (See Howe and Burnor.)
- Burns, Alexander L., Salt Lake City, Utah. Excavating-machine. No. 1,058,945; Apr. 15; Gaz. vol. 189; p. 616.
- Burns, Alexander N., *et al.* (See Fischman, Max, assignor.)
- Burns, Alonzo H., Jefferson, Ga. Planter attachment. No. 1,061,596; May 13; Gaz. vol. 190; p. 392.
- Burns and Bassick Company, The. (See Bradley, Ivan H., assignor.)
- Burns & Bassick Company, The. (See Cummins, Norman W., assignor.)
- Burns, Berend J., *et al.* (See Winkler, Frederick G., assignor.)
- Burns, Cyrus J. W. (See Burns, Leslie C., assignor.)
- Burns, Ernest R., Seattle, Wash. Seal-hasp. No. 1,078,534; Nov. 11; Gaz. vol. 196; p. 475.
- Burns, Francis J., and W. L. Andre, Spokane, Wash. Electric indicator. No. 1,059,273; Apr. 15; Gaz. vol. 189; p. 728.
- Burns, Frank H., Waltham, Mass. Hat-pin-point guard. No. 1,055,705; Mar. 11; Gaz. vol. 188; p. 389.
- Burns, James A., Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Clamping device. No. 1,049,337; Jan. 7; Gaz. vol. 186; p. 6.
- Burns, James A., Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Coil-forming apparatus. No. 1,082,494; Dec. 30; Gaz. vol. 197; p. 1007.
- Burns, James F., Vanleer, assignor of one-half to R. Clements, Dickson, Tenn. Plow. No. 1,050,264; Jan. 14; Gaz. vol. 186; p. 354.
- Burns, John A., assignor of three-tenths to D. Bloch, Mexico, Mexico. Show-case. No. 1,078,249; Nov. 11; Gaz. vol. 196; p. 377.
- Burns, John F., Bronson, Tex. Churn. No. 1,061,220; May 6; Gaz. vol. 190; p. 225.
- Burns, John J., trustee. (See Clark, George H., assignor.)
- Burns, Joseph, Okmulgee, Okla. Wire-line-rope socket. No. 1,073,469; Sept. 16; Gaz. vol. 194; p. 691.
- Burns, Joseph, Okmulgee, Okla. Wire-line-rope socket. No. 1,073,470; Sept. 16; Gaz. vol. 194; p. 691.
- Burns, Leslie C., Union Hill, assignor of one-half to C. J. W. Burns, New Brunswick, N. J. Marine steering-gear. No. 1,073,954; Sept. 23; Gaz. vol. 194; p. 879.
- Burns, Matthew F., New Haven, assignor to The Robert N. Bassett Company, Shelton, Conn. Button-clasp. No. 1,057,034; Mar. 25; Gaz. vol. 188; p. 908.
- Burns, Peter C., Chicago, Ill. Telephone-switchboard. No. 1,050,101; Jan. 14; Gaz. vol. 186; p. 300.
- Burns, Peter C., Chicago, Ill. Telephone-switchboard. No. 1,054,275; Feb. 25; Gaz. vol. 187; p. 943.
- Burns, Thomas, Washington, D. C. Necktie-form. No. 1,051,678; Jan. 28; Gaz. vol. 186; p. 906.
- Burnside, Richard R. (See Jewell, Thomas C., assignor.)
- Burpee, Frank W., Bellingham, Wash. Paper-receptacle-making apparatus. No. 1,075,329; Oct. 14; Gaz. vol. 195; p. 282.
- Burpee, Frank W., Bellingham, Wash. Conveyer. No. 1,075,546; Oct. 14; Gaz. vol. 195; p. 358.
- Burpee, John H., assignor of one-half to E. T. Hoskins, Bellingham, Wash. Molding-machine. No. 1,073,209; Sept. 16; Gaz. vol. 194; p. 599.
- Burpee, John H., assignor of one-half to E. T. Hoskins, Bellingham, Wash. Molding-machine. No. 1,073,210; Sept. 16; Gaz. vol. 194; p. 599.
- Burpee, John H., and E. T. Hoskins, Bellingham, Wash. Mechanical movement. No. 1,078,900; Nov. 18; Gaz. vol. 196; p. 635.
- Burr, Charles A., Norwich, N. Y., assignor, by mesne assignments, to J. Stevens Arms & Tool Company, Chicopee Falls, Mass. Machine for sealing envelops. No. 1,074,772; Oct. 7; Gaz. vol. 195; p. 64.
- Burr, Ellsworth, Middletown, Conn. Sanitary drinking-fountain. No. 1,065,586; June 24; Gaz. vol. 191; p. 926.
- Burr, Franklin H., Atlantic, Iowa. Mail-delivering mechanism for railway-cars. No. 1,054,634; Feb. 25; Gaz. vol. 187; p. 1065.
- Burr, George W., West Duluth, Minn. Faucet. No. 1,063,850; June 3; Gaz. vol. 191; p. 233.
- Burrage, Donald F. (See Wood and Burrage.)
- Burrell, Wallace R., *et al.* (See Parshall, Joseph P., assignor.)
- Burridge, Albert E., Hummelstown, Pa. Headless bolt. No. 1,075,759; Oct. 14; Gaz. vol. 195; p. 430.
- Burridge, Lee S., New York, N. Y. Type-writing machine. No. 1,060,582; May 6; Gaz. vol. 190; p. 6.
- Burris, William, *et al.* (See Burling, Charles S., assignor.)
- Burritt, Horace W. (See Taylor, Harry, assignor.)
- Burroughs Adding Machine Company. (See Barrett, Glenn J., assignor.)
- Burroughs Adding Machine Company. (See Chapin, John J., assignor.)
- Burroughs Adding Machine Company. (See Fisher, Harvey L., assignor.)
- Burroughs Adding Machine Company. (See Gardner, Clyde E. W., assignor.)
- Burroughs Adding Machine Company. (See Pentecost, Arthur, assignor.)
- Burroughs Adding Machine Company. (See Peters, Heber C., assignor.)
- Burroughs Adding Machine Company. (See Pike, William H., Jr., assignor.)
- Burroughs Adding Machine Company. (See Vincent, Jesse G., assignor.)
- Burroughs Adding Machine Company. (See Wheat, Frederick, assignor.)
- Burroughs, Charles F., East Orange, N. J. Fire-alarm box. No. 1,051,946; Feb. 4; Gaz. vol. 187; p. 34.
- Burroughs, Edwin M., Detroit, Mich. Soapsuds and hot-water dispenser. No. 1,077,590; Nov. 4; Gaz. vol. 196; p. 121.
- Burrows Manufacturing Company *et al.* (See Butcher, John A., assignor.)
- Burrows, William R., Newark, N. J., assignor to General Electric Company. Welding-machine. No. 1,063,504; June 3; Gaz. vol. 191; p. 113.
- Burson Manufacturing Company. (See Rolston, Walter F., assignor.)
- Burson, Preston V., Broadway, Ohio. Road-working machine. No. 1,069,524; Aug. 5; Gaz. vol. 193; p. 151.
- Burstall, Frederic W., and W. G. Moore, Birmingham, England. Treatment of carbonaceous substances. No. 1,068,314; July 22; Gaz. vol. 192; p. 927.
- Burt, Charles P., Atlanta, Ga. Lock control. No. 1,064,608; June 10; Gaz. vol. 191; p. 526.
- Burtle, William J. (See Kiley and Burtle.)
- Burtle, William J., Louisville, Ky. Rail-chair. No. 1,078,250; Nov. 11; Gaz. vol. 196; p. 377.
- Burton, Arthur L., Miles City, Mont. Cooling-tank for hardening ice-cream. No. 1,063,652; June 3; Gaz. vol. 191; p. 168.
- Burton, Charles A., Chicago, Ill. Perforating-machine. No. 1,061,979; May 20; Gaz. vol. 190; p. 559.
- Burton, Charles G., Peru, Ind. Lamp-socket and switch device. No. 1,049,562; Jan. 7; Gaz. vol. 186; p. 84.
- Burton, Charles G., Lakewood, assignor of one-half to R. D. Beatty, Cleveland, Ohio. Valve for Corliss engines and the like. No. 1,072,308; Sept. 2; Gaz. vol. 194; p. 215.
- Burton, Charles S., Oak Park, Ill. Extension-table. No. 1,062,884; May 27; Gaz. vol. 190; p. 902.
- Burton, Charles S., Oak Park, Ill. Tracker device for automatic musical instruments. No. 1,064,704; June 17; Gaz. vol. 191; p. 595.
- Burton, Charles S., Oak Park, Ill. Tracker for automatic musical instruments. No. 1,070,404; Aug. 19; Gaz. vol. 193; p. 523.
- Burton, Charles S., Oak Park, Ill., assignor to E. Tyden, Hastings, Mich. Extension-table lock. (Reissue.) No. 1,3555; Apr. 22; Gaz. vol. 189; p. 995.
- Burton, Charles S., Oak Park, Ill., assignor to E. Tyden, Hastings, Mich. Pedal-operated lock for pedestal-tables. No. 1,076,661; Oct. 28; Gaz. vol. 195; p. 823.
- Burton, Charles S., Oak Park, Ill., assignor to E. Tyden, Hastings, Mich. Foot-operated lock for pedestal-tables. No. 1,076,662; Oct. 28; Gaz. vol. 195; p. 824.

Alphabetical list of inventions—Continued.

- Burton, Charles S., Oak Park, assignor, by mesne assignments, to Melville Clark Piano Company, Chicago, Ill. Bellows-action for autopneumatic musical instruments. No. 1,062,885; May 27; Gaz. vol. 190; p. 902.
- Burton, David, Farmington, Minn. Swarming attachment for beehives. No. 1,065,999; July 1; Gaz. vol. 192; p. 33.
- Burton, Frank, assignor to A. E. Fixel and A. Rosenfeld, trustees, Detroit, Mich. Coin-selecting device. No. 1,058,946; Apr. 15; Gaz. vol. 189; p. 616.
- Burton, Frank V., assignor to The Bryant Electric Company, Bridgeport, Conn. Attachment-plug fitting. No. 1,073,955; Sept. 23; Gaz. vol. 194; p. 880.
- Burton, Frank V., assignor to The Bryant Electric Company, Bridgeport, Conn. Advertising device. No. 1,075,009; Oct. 7; Gaz. vol. 195; p. 143.
- Burton, Frank W., San Diego, Cal. Ornamental cap. No. 1,055,706; Mar. 11; Gaz. vol. 188; p. 389.
- Burton, J. H. (See Verstraelen, Michael, assignor.)
- Burton-Jones, Noel L. (See Dickson and Burton-Jones.)
- Burton, William K. (See Trimble, Joseph M., assignor.)
- Burton, William M., Chicago, Ill., assignor to Standard Oil Company, Whiting, Ind. Manufacture of gasoline. No. 1,049,667; Jan. 7; Gaz. vol. 186; p. 119.
- Burton, William M., Chicago, Ill., assignor to Standard Oil Company, Whiting, Ind. Producing asphalt. No. 1,055,707; Mar. 11; Gaz. vol. 188; p. 389.
- Burwell, George O., and C. M. Kurtz, Bellevue, Pa. Trolley. No. 1,081,809; Dec. 16; Gaz. vol. 197; p. 713.
- Burwell, John T. (See Welch, Rosia W., assignor.)
- Burwell, Robert F., New Haven, Conn. Billiard-cue. No. 1,062,816; May. 27; Gaz. vol. 190; p. 880.
- Busch, Charles H. (See Allen and Busch.)
- Busch-Sulzer Bros.-Diesel Engine Company. (See Büchl, Alfred, assignor.)
- Busch-Sulzer Bros. Diesel Engine Company. (See Diesel, Rudolf, assignor.)
- Busch-Sulzer-Bros.-Diesel Engine Company. (See Reuter, Theodor, assignor.)
- Busch-Sulzer Bros.-Diesel Engine Company. (See Schmidt, Arnold F. von, assignor.)
- Buschel, Heinrich, Bochum, Germany. Gas-purifying apparatus. No. 1,071,875; Sept. 2; Gaz. vol. 194; p. 71.
- Buse, Frederick A., Polson, Mont. Automobile-wheel. No. 1,069,109; Aug. 5; Gaz. vol. 193; p. 7.
- Busenbenz, Jacob J., assignor, by mesne assignments, to Differential Clock Co., Chicago, Ill. Clock. No. 1,069,316; Aug. 5; Gaz. vol. 193; p. 79.
- Buser, Joseph J., Freedom, Pa. Clothes-line reel. No. 1,077,245; Oct. 28; Gaz. vol. 195; p. 1022.
- Buser, William E., Chillicothe, Ohio. Clenchable button and washer for tufting-machines. No. 1,054,389; Feb. 25; Gaz. vol. 187; p. 983.
- Bush, Frank A., Oakland, Cal. Dress-shield. No. 1,081,016; Dec. 9; Gaz. vol. 197; p. 411.
- Bush, Frederick C. (See Ackerman, George, assignor.)
- Bush, Isaac W., assignor of one-third to E. C. Neill and one-third to J. F. Cotton, North Carrollton, Miss. Automatic dental blower and syringe. No. 1,080,261; Dec. 2; Gaz. vol. 197; p. 120.
- Bush, Le Grand C., Elkhart, Ind. Electric clock mechanism. No. 1,051,553; Jan. 28; Gaz. vol. 186; p. 865.
- Bush Manufacturing Company, The. (See Bush, Philip M., assignor.)
- Bush, Philip M., assignor to The Bush Manufacturing Company, Hartford, Conn. Gage for gasoline-tanks. No. 1,072,819; Sept. 9; Gaz. vol. 194; p. 423.
- Bush, Samuel P., assignor to The Buckeye Steel Castings Company, Columbus, Ohio. Car-coupling. No. 1,069,600; Aug. 5; Gaz. vol. 193; p. 176.
- Bush, Samuel P., assignor to The Buckeye Steel Castings Company, Columbus, Ohio. Car-coupling device. No. 1,077,240; Oct. 28; Gaz. vol. 195; p. 1021.
- Bushby, Ludger E., Newark, N. J. Vehicle. No. 1,073,330; Sept. 16; Gaz. vol. 194; p. 642.
- Bushfield, William M., assignor of three-fourths to H. H. Smith, Toronto, Ohio. Puzzle. No. 1,082,460; Dec. 23; Gaz. vol. 197; p. 962.
- Bushman, Ernst, New York, N. Y. Plaster-board and making same. No. 1,055,316; Mar. 11; Gaz. vol. 188; p. 258.
- Busiel, Frank P., Somerville, Mass. Lubricating device. No. 1,056,399; Mar. 18; Gaz. vol. 188; p. 655.
- Business Men's Paper Press Co., The. (See Marx, Joseph A., assignor.)
- Busky, John S., Sr., New York, N. Y. Shoe-last. No. 1,078,251; Nov. 11; Gaz. vol. 196; p. 378.
- Busse, Edwin G., assignor to Chicago Railway Equipment Company, Chicago, Ill. Brake-head. No. 1,080,889; Dec. 9; Gaz. vol. 197; p. 370.
- Basse, Edwin G., assignor to Chicago Railway Equipment Company, Chicago, Ill. Third-point support for brake-beams. No. 1,082,495; Dec. 30; Gaz. vol. 197; p. 1007.
- Bussey, Allan C., Minneapolis, Minn. Egg-box. No. 1,051,484; Jan. 28; Gaz. vol. 186; p. 841.
- Bussler, Frederick R., Quincy, Mass. Dispenser for liquids and other materials. No. 1,079,106; Nov. 18; Gaz. vol. 196; p. 707.
- Bustanoby, Jacques, New York, N. Y. Hand-mirror. No. 1,065,110; June 17; Gaz. vol. 191; p. 728.
- Buswell, Robert D., Wellington, Kans. Air-brake. No. 1,074,601; Oct. 7; Gaz. vol. 195; p. 5.
- Butchart, William A., Los Angeles, Cal. Concentrator. No. 1,052,036; Feb. 4; Gaz. vol. 187; p. 67.
- Butcher, John A., York, Pa., assignor of one-half to A. A. Thomson, Atlantic City, N. J., and one-fourth to Burrows Manufacturing Company, York, Pa. Steam-trap. No. 1,072,405; Sept. 2; Gaz. vol. 194; p. 251.
- Butkus, John A. (See Butkus, Joseph and J. A.)
- Butkus, Joseph, Chicago, Ill., and J. A. Butkus, Baltimore, Md., assignors, by mesne assignments, of one-third to said Joseph Butkus, one-third to said J. A. Butkus, and one-third to A. Eben, Chicago, Ill. Capping-head for bottle-capping machines. No. 1,080,046; Dec. 2; Gaz. vol. 197; p. 44.
- Butler, Alfred J., Charlestown, Mass. Stanchion. No. 1,052,458; Feb. 11; Gaz. vol. 187; p. 243.
- Butler, Alice H., Evanston, Ill. Doll. No. 1,053,902; Feb. 18; Gaz. vol. 187; p. 779.
- Butler, Allen C., and C. T. Blackstock, Millvale, Pa. Rail-joint. No. 1,059,027; Apr. 15; Gaz. vol. 189; p. 645.
- Butler, Charles H., Chicago, Ill. Paper vessel. No. 1,065,917; July 1; Gaz. vol. 192; p. 4.
- Butler, Cooley, New York, N. Y. Detachable anchor-bolt. No. 1,062,534; May 20; Gaz. vol. 190; p. 744.
- Butler, Cooley, New York, N. Y. Dipper for steam shovels and dredges. No. 1,076,548; Oct. 21; Gaz. vol. 195; p. 731.
- Butler, Cora S., Cleveland, Ohio. Tone-clarifying attachment for sound reproducing or transmitting instruments. No. 1,081,719; Dec. 16; Gaz. vol. 197; p. 681.
- Butler, Edward F., Sr., Cavendish, Vt., assignor to Curtis & Marble Machine Co., Worcester, Mass. Cloth-shearing machine. No. 1,081,265; Dec. 9; Gaz. vol. 197; p. 493.
- Butler, Frank. (See Ressler and Butler.)
- Butler, Frank E., Johnstown, Pa. Car-propeller. No. 1,059,434; Apr. 22; Gaz. vol. 189; p. 822.
- Butler, George P., Wallingford, Conn., assignor to W. C. Biddle, New York, N. Y. Expandible bit. No. 1,071,202; Aug. 26; Gaz. vol. 193; p. 824.
- Butler, Henry G., Kenosha, Wis. Excavator-shovel. No. 1,053,783; Feb. 18; Gaz. vol. 187; p. 740.
- Butler, Henry G., Kenosha, Wis., assignor to Shnable & Quinn, Chicago, Ill. Excavator-shovel. No. 1,070,405; Aug. 19; Gaz. vol. 193; p. 524.
- Butler, James A., Providence, R. I., assignor to F. E. Nickels, Dorchester, Mass. Voting-machine. No. 1,056,086; Mar. 18; Gaz. vol. 188; p. 552.
- Butler, James A., Winthrop, C. Reynolds, and A. J. Seaman, assignors of three-fourths to themselves, and one-fourth to C. W. Barron, Boston, Mass. Box-covering machine. No. 1,056,004; Mar. 18; Gaz. vol. 188; p. 524.
- Butler, John R., assignor of one-third to J. Fritz and one-third to D. Attebury, Durango, Colo. Pump-valve. No. 1,060,160; Apr. 29; Gaz. vol. 189; p. 1104.
- Butler, John T., et al. (See Watson, William H., assignor.)
- Butler, Joseph F., assignor of one-half to W. W. Johnson, Gordon, Tex. Gate-operating mechanism. No. 1,067,640; July 15; Gaz. vol. 192; p. 664.
- Butler, Joseph F., assignor of one-half to W. W. Johnson, Gordon, Tex. Wire stretcher and repairer. No. 1,067,641; July 15; Gaz. vol. 192; p. 664.
- Butler, Joseph F., Gordon, assignor of one-half to J. L. Cunningham, Palo Pinto, Tex. Washer. No. 1,075,760; Oct. 14; Gaz. vol. 195; p. 430.
- Butler, Lawrence T., assignor of one-half to D. G. Lyzen, Grand Rapids, Mich. Display device for casket-handles. No. 1,074,584; Sept. 30; Gaz. vol. 194; p. 1116.
- Butler, Thomas J., Harrison, N. J. Support or bracket for shaving-mugs. No. 1,064,192; June 10; Gaz. vol. 191; p. 385.
- Butler, Walter, St. Paul, Minn. Subaqueous foundation and structure. No. 1,076,743; Oct. 28; Gaz. vol. 195; p. 854.
- Butman, Thomas R., Manistee, Mich. Boiler-furnace. No. 1,063,653; June 3; Gaz. vol. 191; p. 168.
- Butner, Robert M., Rural Retreat, Va. Veterinary surgical instrument. No. 1,054,960; Mar. 4; Gaz. vol. 188; p. 103.
- Butterfield, Alfred W., E. Raafaub, Sr., and J. A. Pathe, Bloomfield, N. J. Non-refillable bottle. No. 1,055,299; Mar. 4; Gaz. vol. 188; p. 214.
- Butterfield, Eugene M., administrator. (See Butterfield, Frank E.)
- Butterfield, Frank E., deceased, Wakefield; E. M. Butterfield, Waltham, Mass., administrator, assignor to Beckwith Box Toe Company, Dover, N. H. Making stiffened foreparts of boot and shoe uppers. No. 1,070,406; Aug. 19; Gaz. vol. 193; p. 524.
- Butterfield, John C., Belmont, Iowa. Antiskidding attachment. No. 1,053,971; Feb. 25; Gaz. vol. 187; p. 840.
- Butterfield, Lewis A., assignor to Belcher & Taylor Agricultural Tool Company, Chicopee Falls, Mass. Sulky-plow. No. 1,076,001; Oct. 14; Gaz. vol. 195; p. 513.
- Butters, Charles, Oakland, Cal. Filter-leaf. No. 1,078,993; Nov. 18; Gaz. vol. 196; p. 667.

Alphabetical list of patentees—Continued.

- Butters, Charles, Oakland, Cal. Dislodging slime cakes from filter media. No. 1,078,994; Nov. 18; Gaz. vol. 196; p. 668.
- Butters Patent Vacuum Filter Company, The. (See Patterson, Clarence G., assignor.)
- Butters, Thomas B., New York, N. Y. House-boat. No. 1,054,505; Feb. 25; Gaz. vol. 187; p. 1023.
- Butters, Thomas B., New York, N. Y. Life-belt. No. 1,077,800; Nov. 4; Gaz. vol. 196; p. 191.
- Butterworth, Samuel D., Lansing, Mich. Folding seat for automobiles. No. 1,049,338; Jan. 7; Gaz. vol. 186; p. 7.
- Butterworth, Samuel D., Lansing, Mich. Child's folding carriage. No. 1,054,390; Feb. 25; Gaz. vol. 187; p. 983.
- Buttler, William, Indianapolis, Ind. Forming glass shapes. No. 1,060,583; May 6; Gaz. vol. 190; p. 7.
- Büttner, August, Uerdingen, Germany. Cellular drying apparatus. No. 1,078,125; Nov. 11; Gaz. vol. 196; p. 335.
- Button, Anson T., and W. P. Widdifield, Uxbridge, Ontario, Canada. Seeding apparatus. No. 1,081,720; Dec. 16; Gaz. vol. 197; p. 681.
- Button, Charlotte. (See Shier and Wright, assignors.)
- Button Machinery Company, The. (See Hornby, John, assignor.)
- Buttress, George. (See Buttress, Howard and G.)
- Buttress, George, assignor of one-third to J. D. Blush, one-third to G. F. Shields, and one-third to L. A. Wurts. Los Angeles, Cal. Perforating attachment for cans. No. 1,078,535; Nov. 11; Gaz. vol. 196; p. 476.
- Buttress, Howard and G., Los Angeles, Cal. Pressure-gage. No. 1,073,734; Sept. 23; Gaz. vol. 194; p. 805.
- Buttrick, Charles O., Newton, Mass. Turn-down collar. No. 1,064,705; June 17; Gaz. vol. 191; p. 596.
- Butts, Michael W., *et al.* (See Parshall, Joseph P., assignor.)
- Butts, Newton L., Norwich, assignor to J. H. Fitch, Rochester, N. Y. Mortising-machine. No. 1,062,583; May 27; Gaz. vol. 190; p. 802.
- Buttsov, George P., assignor of one-third to C. Matsen and one-third to H. P. Erb, Chicago, Ill. Boat. No. 1,061,355; May 13; Gaz. vol. 190; p. 306.
- Butz, Walter D., Norristown, assignor of one-half to L. N. D. Williams, Ogontz, Pa. Stitch-transferring device. No. 1,068,853; July 29; Gaz. vol. 192; p. 1154.
- Buvinger, William S., Pittsburgh, Pa. Calculating instrument. No. 1,058,148; Apr. 8; Gaz. vol. 189; p. 302.
- Buyer, Samuel, Yonkers, N. Y. Loop for hose-supporters. No. 1,076,265; Oct. 21; Gaz. vol. 195; p. 629.
- Buzby, Augustus C. (See Smith, Luther K., assignor.)
- Buzzell, Jesse W., Oakland, Cal. Sliding rule. No. 1,062,321; May 20; Gaz. vol. 190; p. 675.
- Byam, Charles R., Chicago, Ill. Pipe-fitting. No. 1,067,642; July 15; Gaz. vol. 192; p. 665.
- Byars, W. R. (See Sarge, George W., assignor.)
- Byer, William E., Jersey City, N. J. Liquid-dispensing device. No. 1,049,339; Jan. 7; Gaz. vol. 186; p. 7.
- Byerly, William A. (See Gibbs, James E., assignor.)
- Byers, Charles M., Fayetteville, N. C. Shade-fixture. No. 1,073,389; Sept. 16; Gaz. vol. 194; p. 663.
- Byers, Jacob J., Chicago, Ill., assignor to The National Malleable Castings Company, Cleveland, Ohio. Draft-rigging. No. 1,069,385; Aug. 5; Gaz. vol. 193; p. 105.
- Byers, Jacob J., Chicago, Ill., assignor to The National Malleable Castings Company, Cleveland, Ohio. Tie-plate. No. 1,069,386; Aug. 5; Gaz. vol. 193; p. 105.
- Byers, Joseph V., assignor of one-half to J. A. Belden, Lebanon, Kans. Device to hold joints together. No. 1,059,592; Apr. 22; Gaz. vol. 189; p. 874.
- Bylger, Frans I. L., New York, N. Y. Rotary engine. No. 1,056,400; Mar. 18; Gaz. vol. 188; p. 656.
- Bylicki, Stanislaw, and J. Pareński, Kracow, Austria-Hungary. Device for affixing and printing on labels. No. 1,056,626; Mar. 18; Gaz. vol. 188; p. 737.
- Byrd, Merritt S. (See Riley and Byrd.)
- Byrd, Oscar O., Slater, Mo., assignor of one-fourth to S. F. Whittaker, one-fourth to S. F. Whittaker, Prescott, Ariz., and one-half to J. W. Thompson, New Orleans, La. Car-brake. No. 1,073,390; Sept. 16; Gaz. vol. 194; p. 663.
- Byrd, William. (See Clifford, John, assignor.)
- Byrn, Montgomery T., Trumann, Ark. Loading-hook. No. 1,071,983; Sept. 2; Gaz. vol. 194; p. 107.
- Byrne, Edward L. (See Harrington and Byrne.)
- Byrne, Kathryn L., *et al.* (See McIntosh, George L., assignor.)
- Byrne, Luverne S., Pittsburgh, Pa. Fruit-picker. No. 1,069,849; Aug. 12; Gaz. vol. 193; p. 292.
- Byrnes, Clarence P., Sewickley, Pa. Making coiled springs. No. 1,063,505; June 3; Gaz. vol. 191; p. 113.
- Byrnes, Daniel F., assignor of one-half to W. B. Tyrrell, Delavan, Wis. Tag-holder. No. 1,075,190; Oct. 7; Gaz. vol. 195; p. 207.
- Byrnes, Edward C., *et al.* (See Gawley, Thomas H., assignor.)
- Byrnes, Eugene A., *et al.* (See Friedberger, Otto, assignor.)
- Byrnes, Eugene A., Washington, D. C., assignor to Electro Metallurgical Company, Chicago, Ill. Effecting reduction and producing ferrosilicon. No. 1,051,194; Jan. 21; Gaz. vol. 186; p. 709.
- Byrnes, Eugene A., Washington, D. C., assignor to Electro Metallurgical Company, Chicago, Ill. Producing low-carbon nickel alloys. No. 1,059,709; Apr. 22; Gaz. vol. 189; p. 912.
- Byrnes, John F., San Francisco, Cal. Manicure-file. No. 1,059,927; Apr. 22; Gaz. vol. 189; p. 982.
- Byrnes, William H., Jr., *et al.* (See Gawley, Thomas H., assignor.)
- Byrnside, M. A., *et al.* (See Miller, Henry M., assignor.)
- Byrom, John, Liverpool, England. Carbureter. No. 1,065,503; June 24; Gaz. vol. 191; p. 898.
- Byron, Clayborne, and A. Armstrong, Rialto, Cal. Orchard-heater. No. 1,072,082; Sept. 2; Gaz. vol. 194; p. 141.
- Byron Jackson Iron Works. (See Forward, Walter L., assignor.)
- Byron Jackson Iron Works. (See Muller, Rudolph F., assignor.)
- Byron Jackson Iron Works. (See Paulsmeier, Albert C., assignor.)
- Byron, Julius O., Bristol, S. D. Nose-protector. No. 1,070,584; Aug. 19; Gaz. vol. 193; p. 587.
- Byron, Marcus A. (See English and Byron.)
- Byron, Marcus A., and H. W. English, Fort Worth, Tex. Well-drilling bit. No. 1,052,567; Feb. 11; Gaz. vol. 187; p. 279.
- Bys, Peter, Great Falls, Mont. Life-saving device. No. 1,061,264; May 13; Gaz. vol. 190; p. 275.
- Bystron, Joseph, Teschen, Austria-Hungary, assignor to himself, and K. von Vietinghoff, Berlin, Germany. Treating iron-tanned leather. No. 1,061,597; May 13; Gaz. vol. 190; p. 392.
- Byther, Alfred L., Bangor, Me. Pressure-roll for planers. No. 1,075,191; Oct. 7; Gaz. vol. 195; p. 208.
- Bythiner, William W., assignor of one-half to E. D. Bernheim, Philadelphia, Pa. Locking device for telephone receivers. No. 1,068,627; July 29; Gaz. vol. 192; p. 1073.
- Bywater, William H., and W. B. Morrison, Salt Lake City, Utah. Means for automatically unlocking doors. No. 1,060,317; Apr. 29; Gaz. vol. 189; p. 1160.
- C. Cowles & Co. (See Hart, Franklin H., assignor.)
- C. Howard Hunt Pen Company. (See George, John F., assignor.)
- C. Mattison Machine Works. (See Lindquist, Alexander, assignor.)
- C. B. Cottrell & Sons Company. (See Barber, Howard M., assignor.)
- C. B. Cottrell & Sons Company. (See Cormack, Mark N., assignor.)
- C. B. Cottrell & Sons Company. (See Cottrell, Edgar H., assignor.)
- C. B. Cottrell & Sons Company. (See Cundall, Constant T., assignor.)
- C. B. Cottrell & Sons Company. (See McKee, Milton A., assignor.)
- C. & C. Electric & Manufacturing Company. (See Hills, George, assignor.)
- C. D. Osborn Company. (See Hartmann, Henry G., assignor.)
- C. F. Bochringer & Soehne. (See Straub, Walther, assignor.)
- C. F. Pease Company, The. (See Pease, Charles F., assignor.)
- C. G. Conn Co. (See Todt, Frederick W., assignor.)
- C. & G. Cooper Co., The. (See Thiel, Martin A., assignor.)
- C. G. Sargent's Sons Corporation. (See Cilley, Osborn H., assignor.)
- C. G. Sargent's Sons Corporation. (See Sargent, Frederick G., assignor.)
- C. H. Allen & Company. (See Callahan, Charles J., assignor.)
- C. H. Masland and Sons. (See Masland, Charles W., assignor.)
- C. J. Root Co., The. (See Grunow, William, Jr., assignor.)
- C. J. Root Company, The. (See Newell and Somers, assignors.)
- C. J. White Manufacturing Company. (See White, Charles J., assignor.) (Reissue.)
- C. M. Hall Lamp Company. (See Ankham, William F., assignor.)
- C. M. Kemp Manufacturing Co. (See Kemp, Clarence M. and C. E., assignors.)
- C. O. Bartlett & Snow Company, The. (See Dupuy, Arthur O., assignor.)
- C. P. Goerz American Optical Co. (See Schmid, Frederick, assignor.)
- C. P. Power Company. (See Noyes, Edward P., assignor.)
- C. R. Carver Company. (See Lockwood, Edward M., assignor.)
- C. T. Ham Manufacturing Company *et al.* (See Bergener Charles, assignor.)
- C. W. Raymond Co., The. (See Morgal, John F., assignor.)

Alphabetical list of patentees—Continued.

- Caballero, Rudolphe L., Brighton, England. Apparatus enabling photographic plates to be developed in daylight. No. 1,079,288; Nov. 18; Gaz. vol. 196; p. 766.
- Cabell, Charles A., *et al.* (See Couch, Royden O., assignor.)
- Cable Company, The. (See Hagey, James C., assignor.)
- Cabot, Sewall, Brookline, Mass. Electric conversion. No. 1,081,090; Dec. 9; Gaz. vol. 197; p. 433.
- Cabral, Daniel, Guadalajara, Mexico. Flush-tank for water-closets. No. 1,077,329; Nov. 4; Gaz. vol. 196; p. 31.
- Cabrera, Charles P., Hillsdale, N. J. Cigar-cutter. No. 1,059,827; Apr. 22; Gaz. vol. 189; p. 950.
- Cacko, Walter, Elizabeth, N. J. Faucet. No. 1,078,252; Nov. 11; Gaz. vol. 196; p. 378.
- Caddy, Sydney C., Keynsham, near Bristol, England. Apparatus for coiling steel and other wire or metal. No. 1,078,485; Nov. 11; Gaz. vol. 196; p. 460.
- Cadé, Auguste L., Paris, France. Sparking plug with removable electrode and central telescoping electrode. No. 1,082,401; Dec. 23; Gaz. vol. 197; p. 944.
- Cade, John T., Arcola, N. J., assignor to Federal Signal Company. System for vehicle control. No. 1,059,828; Apr. 22; Gaz. vol. 189; p. 950.
- Cade, John T., Arcola, N. J., assignor to Federal Signal Company. System for vehicle control. No. 1,064,441; June 10; Gaz. vol. 191; p. 471.
- Cadeau, Pacific, *et al.* (See Carrau, Edward, assignor.)
- Cadieux, Joseph O., assignor to The Connecticut Telephone and Electric Company, Meriden, Conn. Resetting-circuit for annunciators. No. 1,081,266; Dec. 9; Gaz. vol. 197; p. 493.
- Cadigan, John E., New York, N. Y. Bottle. No. 1,064,442; June 10; Gaz. vol. 191; p. 471.
- Cadman, Addi B., Beloit, Wis. Speed-indicator-driving mechanism for railway-cars. No. 1,053,569; Feb. 18; Gaz. vol. 187; p. 668.
- Cadman, Addi B., Beloit, Wis., assignor, by mesne assignments, to Stewart-Warner Speedometer Corporation. Magnetic tachometer. No. 1,067,463; July 15; Gaz. vol. 192; p. 603.
- Cadman, William H., London, England. Appliance for use in administering medicaments to the respiratory passages. No. 1,056,255; Mar. 18; Gaz. vol. 188; p. 610.
- Cadmus, Oscar P., Ludlow, N. Y. Water-distributor for urinal-slabs. No. 1,059,343; Apr. 22; Gaz. vol. 189; p. 789.
- Cadogan, Frank H., Utica, N. Y. Electric switch. No. 1,059,028; Apr. 15; Gaz. vol. 189; p. 645.
- Cadwallader, Alfred, Bushnell, Ill. Portable ditch-dam. No. 1,058,289; Apr. 8; Gaz. vol. 189; p. 351.
- Cadwell, Charles N. (See Gabel, John C., assignor.)
- Cadwell & Company, E. B. (See Farr, Frederick G., assignor.)
- Cadwell & Company, E. B. (See Latimer, William G., assignor.)
- Cadwell, Louis E., New York, N. Y. Tire-support. No. 1,072,909; Sept. 9; Gaz. vol. 194; p. 457.
- Cady, Henry G., St. Louis, Mo. Submarine vessel. No. 1,072,569; Sept. 9; Gaz. vol. 194; p. 336.
- Cady, William M. (See Turner and Cady.)
- Caesar, John. (See Morris, William S., assignor.)
- Cagle, Carter M., assignor of one-third to A. G. Haywood and one-third to G. Haywood, Downey, Cal. Annunciator. No. 1,067,464; July 15; Gaz. vol. 192; p. 604.
- Cagnassi, Uberto, Turin, Italy. Machine for erecting walls and the like. No. 1,054,635; Feb. 25; Gaz. vol. 187; p. 1066.
- Cahill, Bernard J. S., San Francisco, Cal. Map of the world. No. 1,054,276; Feb. 25; Gaz. vol. 187; p. 944.
- Cahill, Bernard J. S., San Francisco, Cal. Geographical globe. No. 1,081,207; Dec. 9; Gaz. vol. 197; p. 473.
- Cahill, Edward, New York, N. Y. Rolling blind. No. 1,081,485; Dec. 16; Gaz. vol. 197; p. 606.
- Cahill, Edward, New York, N. Y. Stop and runner for rolling blinds. No. 1,081,486; Dec. 16; Gaz. vol. 197; p. 607.
- Cahill, General W., Tiro, Ohio. Bridle-bit. No. 1,070,771; Aug. 19; Gaz. vol. 193; p. 649.
- Cahill, John L., Oklahoma, Okla. Well-bucket. No. 1,055,385; Mar. 11; Gaz. vol. 188; p. 282.
- Cahill, Walter M., Winona, Minn. Animal-shears. No. 1,053,972; Feb. 25; Gaz. vol. 187; p. 841.
- Cahill, William, and L. A. Chattelle, Caledonia, Minn. Wire cable clasp. No. 1,077,257; Nov. 4; Gaz. vol. 196; p. 6.
- Cahill, William A., Syracuse, N. Y. Carbureter. No. 1,078,413; Nov. 11; Gaz. vol. 196; p. 437.
- Cahn, Bernard, San Diego, Cal. Combined shovel and automobile traction. No. 1,061,980; May 20; Gaz. vol. 190; p. 559.
- Cahn, Charles, Baltimore, Md. Game apparatus. No. 1,051,080; Jan. 21; Gaz. vol. 186; p. 671.
- Cahn, Henry S. (See Hartman and Cahn.)
- Caille, Charles, Leperreux, France. Superheater for steam-boilers. No. 1,057,705; Apr. 1; Gaz. vol. 189; p. 106.
- Caille, Charles, Leperreux, France. Process and contrivance for superheating steam taken from a generator. No. 1,063,953; June 10; Gaz. vol. 191; p. 302.
- Caillet, Jules, assignor to Société Anonyme des Automobiles Peugeot, Paris, France. Driving-gear for automobile-vehicles. No. 1,070,772; Aug. 19; Gaz. vol. 193; p. 649.
- Cain, Donald L., Okoboji, Iowa. Plate-holder kit. No. 1,065,504; June 24; Gaz. vol. 191; p. 898.
- Cain, Frank E., Detroit, Mich. Engine. No. 1,075,962; Oct. 14; Gaz. vol. 195; p. 499.
- Caine, James C., assignor of one-half to The New England Electric Company, Denver, Colo. Outlet-box bracket. No. 1,066,706; July 8; Gaz. vol. 192; p. 311.
- Caird, Harry, Chicago, Ill., assignor to H. M. Hirschberg, New York, N. Y. Carbon for electric-arc lamps. No. 1,066,183; July 1; Gaz. vol. 192; p. 99.
- Caire, Philippe. (See Balachowsky and Caire.)
- Cairns, John, Walsall, England. Tire of wheels of vehicles or the like. No. 1,063,117; May 27; Gaz. vol. 190; p. 979.
- Cais, Frank. (See Tran and Cais.)
- Cake, John C., Chester, Pa. Pedal-operator for pneumatic pianos. No. 1,064,706; June 17; Gaz. vol. 191; p. 596.
- Cake, John C., Chester, Pa. Pedal-operating mechanism. No. 1,082,846; Dec. 30; Gaz. vol. 197; p. 1132.
- Calame, Armand, Elgin, Ill. Power-transmission device. No. 1,057,526; Apr. 1; Gaz. vol. 189; p. 44.
- Calculagraph Company. (See Abbott, Henry, assignor.) (Reissue.)
- Caldecott, William A., Johannesburg, Transvaal. Separation of liquids from crushed-ore products. No. 1,061,660; May 13; Gaz. vol. 190; p. 414.
- Calder, James R., Hamilton, Ontario, Canada. Railway-rail. No. 1,076,016; Oct. 21; Gaz. vol. 195; p. 546.
- Caldwell & Co., E. F. (See Tizley, Arthur J., assignor.)
- Caldwell, Edward P., Waterloo, Iowa. Compound rail. No. 1,073,211; Sept. 16; Gaz. vol. 194; p. 600.
- Caldwell, Edward P., Waterloo, Iowa. Compound rail. No. 1,073,212; Sept. 16; Gaz. vol. 194; p. 600.
- Caldwell, Edward P., Waterloo, Iowa. Compound rail. No. 1,073,213; Sept. 16; Gaz. vol. 194; p. 600.
- Caldwell, Eugene S., Philadelphia, Pa. Steam-trap. No. 1,081,431; Dec. 16; Gaz. vol. 197; p. 587.
- Caldwell, Eugene W., New York, N. Y. X-ray tube. No. 1,056,401; Mar. 18; Gaz. vol. 188; p. 656.
- Caldwell, Eugene W., New York, N. Y. Valve-tube. No. 1,076,949; Oct. 28; Gaz. vol. 195; p. 927.
- Caldwell, Henry, Fort Michie, N. Y. Annunciator system. No. 1,058,545; Apr. 8; Gaz. vol. 189; p. 440.
- Caldwell, Henry M., and T. Smith, London, England. Gas-regulator. No. 1,064,609; June 10; Gaz. vol. 191; p. 527.
- Caldwell, Jerome, Los Angeles, Cal. Fruit-pitting machine. No. 1,075,547; Oct. 14; Gaz. vol. 195; p. 358.
- Caldwell, John C., assignor of one-half to C. W. Thompson, Beaumont, Tex. Propelling or power-generating mechanism. No. 1,067,897; July 22; Gaz. vol. 192; p. 784.
- Caldwell, John W., Toronto, Ontario, Canada. Expansion-bit. No. 1,066,707; July 8; Gaz. vol. 192; p. 311.
- Caldwell, John W., Toronto, Ontario, Canada. Bit for boring square and angular-shaped holes. No. 1,066,708; July 8; Gaz. vol. 192; p. 311.
- Caldwell, Mira E., East Lynn, Mass. Safety-envelop. No. 1,063,506; June 3; Gaz. vol. 191; p. 113.
- Caldwell, Rex A., Paducah, Ky. Mail-box supply-signal. No. 1,057,930; Apr. 1; Gaz. vol. 189; p. 183.
- Caldwell, William. (See Eben and Caldwell.)
- Caldwell, William H., county of Inverness, Scotland. Development of photographic images. No. 1,082,622; Dec. 30; Gaz. vol. 197; p. 1054.
- Caldwell, William L., assignor to The Berger Manufacturing Company, Canton, Ohio. Metal structure. No. 1,074,242; Sept. 30; Gaz. vol. 194; p. 1004.
- Cale, Robert A. G., Paris, Ontario, Canada. Sight for firearms. No. 1,051,485; Jan. 28; Gaz. vol. 186; p. 841.
- Calfee, Andrew J., Leadvale, Tenn. Nut-lock. No. 1,051,861; Feb. 4; Gaz. vol. 187; p. 5.
- Calhoun, Archie L., Rockwell, Fla. Car-replacer. No. 1,060,584; May 6; Gaz. vol. 190; p. 7.
- Calhoun, Homer J., Chicago, Ill. Conduit-cleansing apparatus. No. 1,049,808; Jan. 7; Gaz. vol. 186; p. 167.
- Calhoun, John C. (See Ayres, Gustav, assignor.)
- Calhoun, John W., Huntington, W. Va. Valve. No. 1,061,044; May 6; Gaz. vol. 190; p. 169.
- California Barrel Co. (See Krohn, Julius J., assignor.)
- California Building Material Company. (See Hartman, Emanuel W., assignor.)
- California Corrugated Culvert Company. (See Force, Raymond C., assignor.)
- California Corrugated Culvert Company. (See Force and Burne, assignors.)
- California Corrugated Culvert Company. (See Thorsby, Karl J., assignor.)
- California Fruit Canners Association. (See Cerruti, Antonio, assignor.)
- California Fruit Canners Association. (See Keast, Alfred J. and H., assignors.)
- California Fuel Manufacturing Company. (See England, Andrew R., assignor.)
- California Valve and Air Brake Company. (See Neal, Spencer G., assignor.)

Alphabetical list of patentees—Continued.

- California Valve and Air Brake Company. (See Pierce, Guy C., assignor.)
- Calisch, James H., Yonkers, assignor to Frogs' Novelty Company, New York, N. Y. Game apparatus. No. 1,064,193; June 10; Gaz. vol. 191; p. 386.
- Calkins, Albert C., Altadena, and G. M. MacDonald, San Bernardino, Cal. Artificial honeycomb. No. 1,051,830; Jan. 28; Gaz. vol. 186; p. 955.
- Calkins, Charles E. (See Walraven and Calkins.)
- Calkins, Elizabeth, St. Joseph, Mo. Corset-fastener. No. 1,079,210; Nov. 18; Gaz. vol. 196; p. 743.
- Calkins, Fred D., and A. C. Johnson, Sunnyvale, Cal. Internal-combustion engine. No. 1,079,741; Nov. 25; Gaz. vol. 196; p. 955.
- Calkins, Fred D., and A. C. Johnson, Sunnyvale, Cal. Internal-combustion engine. No. 1,079,742; Nov. 25; Gaz. vol. 196; p. 956.
- Callaghan, William T., Chicago, Ill. Extension drawer-slide. No. 1,067,404; July 15; Gaz. vol. 192; p. 584.
- Callahan, Charles J. (See Allen and Callahan.)
- Callahan, Charles J., assignor to C. H. Allen & Company, Attleboro, Mass. Bracelet-link. No. 1,082,473; Dec. 23; Gaz. vol. 197; p. 966.
- Callahan, Charles W., Gloucester City, N. J. Gas stove and range. No. 1,067,465; July 15; Gaz. vol. 192; p. 604.
- Callahan, Cornelius J., and E. F. Chandler, New York, N. Y. Combined check-protector and postage-stamp holder. No. 1,063,413; June 3; Gaz. vol. 191; p. 82.
- Callahan, Harley W., assignor of one-third to B. Steen, Roundup, Mont. Feed-box. No. 1,072,570; Sept. 9; Gaz. vol. 194; p. 337.
- Callahan, Martin, *et al.* (See Kuhlman, Herman C., assignor.)
- Callahan, Owen W., Cleveland, Ohio. Derrick. No. 1,054,743; Mar. 4; Gaz. vol. 188; p. 31.
- Callahan, Patrick, Boston, Mass. Sand-trap. No. 1,070,773; Aug. 19; Gaz. vol. 193; p. 649.
- Callan, Charles G., Chamberlain, Saskatchewan, Canada. Threshing-cylinder and concave teeth. No. 1,052,037; Feb. 4; Gaz. vol. 187; p. 67.
- Callan, John, Ray, Ariz. Vehicle-wheel. No. 1,064,128; June 10; Gaz. vol. 191; p. 362.
- Callan, John, Ray, Ariz. Railway-tie plate. No. 1,068,315; July 22; Gaz. vol. 192; p. 927.
- Callan, John G., Lynn, Mass., assignor to General Electric Company. Thermostatic control of liquid fuels. No. 1,063,654; June 3; Gaz. vol. 191; p. 168.
- Callanan, James T., Parkersburg, W. Va. Casing-head for oil and gas wells. No. 1,072,910; Sept. 9; Gaz. vol. 194; p. 458.
- Callaway, George E., Jonesboro, La. Rotary engine. No. 1,079,743; Nov. 25; Gaz. vol. 196; p. 956.
- Callaway, William E., Trout Mills, Ontario, Canada. Car-stake. No. 1,051,862; Feb. 4; Gaz. vol. 187; p. 5.
- Calleson, Amos. (See Adriance and Calleson.)
- Calleson, Amos, assignor to B. Adriance, Brooklyn, N. Y. Bottle-sealing machine. No. 1,078,607; Nov. 18; Gaz. vol. 196; p. 532.
- Calleson, Amos, assignor to B. Adriance, Brooklyn, N. Y. Machine for operating on sheet material. No. 1,080,047; Dec. 2; Gaz. vol. 197; p. 45.
- Calleson, Amos, assignor to B. Adriance, Brooklyn, N. Y. Feed mechanism for bottle-sealing machines. No. 1,082,189; Dec. 23; Gaz. vol. 197; p. 870.
- Calmus, Phillip H., Birmingham, Ala. Punctureless vehicle-tire. No. 1,059,115; Apr. 15; Gaz. vol. 189; p. 676.
- Calta, James W., Platte, S. D. Vehicle-wheel. No. 1,069,525; Aug. 5; Gaz. vol. 193; p. 151.
- Calthrop, Everard R. (See Lynde and Calthrop.)
- Calvert, Frank W., Narberth, assignor to The Charles E. Hires Company, Philadelphia, Pa. Bottle-filling apparatus. No. 1,067,094; July 8; Gaz. vol. 192; p. 440.
- Calvert, George, Stoke Newington, London, assignor to Mechanical Decarbonising Syndicate Limited, London, England. Combustion-engine cleaner. No. 1,053,007; Feb. 11; Gaz. vol. 187; p. 429.
- Calvert, Thomas E., Chicago, Ill. Switch-stand. No. 1,067,303; July 15; Gaz. vol. 192; p. 550.
- Calvi, Giuseppe, assignor to Borsalino Giuseppe & Fratello-Societa Anonima, Alessandria, Italy. Felting-machine. No. 1,069,850; Aug. 12; Gaz. vol. 193; p. 292.
- Cambria Steel Company. (See Holmquist, John A., assignor.)
- Cambridge Novelty Company. (See Haskell, Frederick F., assignor.)
- Camden, Bernard H., Washington, D. C. Tank-gage. No. 1,074,692; Oct. 7; Gaz. vol. 195; p. 38.
- Camden Iron Works. (See Garland, Claude M., assignor.)
- Camden Iron Works. (See Jensenius, Herman A., assignor.)
- Camden Iron Works. (See Matton, Frederick V., assignor.)
- Camel Company. (See Comee, Joseph F., assignor.)
- Camel Company. (See Elliott, Percy M., assignor.)
- Camelo, Nicholas, Utica, N. Y. Sanitary cover for closet-seats. No. 1,081,091; Dec. 9; Gaz. vol. 197; p. 433.
- Cameragraph Company, The. (See Schwab, William R., assignor.)
- Cameron, Andrew C. (See Moseley and Cameron.)
- Cameron, Arthur, assignor to Ivory Safety Razor Company, Chicago, Ill. Chime-whistle. No. 1,053,275; Feb. 18; Gaz. vol. 187; p. 566.
- Cameron, Charles E., East Orange, N. J. Key-slip. No. 1,063,954; June 10; Gaz. vol. 191; p. 303.
- Cameron and Company Incorporated. (See Gans, Bertram J., assignor.)
- Cameron, Daniel, Gatesville, Mich. Staple. No. 1,051,310; Jan. 21; Gaz. vol. 186; p. 749.
- Cameron, De Lancey A. (See MacColl and Cameron.)
- Cameron, Donald. (See Sim, George, assignor.)
- Cameron, Donald, Chicago, Ill. Washing-machine. No. 1,059,029; Apr. 15; Gaz. vol. 189; p. 645.
- Cameron, Everett S., Beverly, Mass. Multiple-cylinder explosive-engine. No. 1,068,481; July 29; Gaz. vol. 192; p. 1023.
- Cameron, Frank K., Washington, D. C., and R. B. Moore, Indianapolis, Ind. Extracting iodine, chlorine, potassium hydroxid, and other useful products from the ash of seaweeds or other marine forms of algae. No. 1,051,984; Feb. 4; Gaz. vol. 187; p. 47.
- Cameron, George N. (See Young and Cameron.)
- Cameron, Harry G., Bloomington, Ill. Headlight attachment. No. 1,057,374; Mar. 25; Gaz. vol. 188; p. 1021.
- Cameron, James A., and G. B. Birch, New York, assignors to Cameron Machine Company, Brooklyn, N. Y. Slitting and rewinding machine. No. 1,076,189; Oct. 21; Gaz. vol. 195; p. 605.
- Cameron, John S., McKeesport, Pa. Pocket implement. No. 1,076,010; Oct. 14; Gaz. vol. 195; p. 516.
- Cameron, John S., Boston, assignor to Stall & Dean Manufacturing Company, Brockton, Mass. Ball-player's glove. No. 1,072,697; Sept. 9; Gaz. vol. 194; p. 380.
- Cameron Machine Company. (See Cameron and Birch, assignors.)
- Cameron, Neill C., Detroit, Tex. Tombstone-mold. No. 1,072,309; Sept. 2; Gaz. vol. 194; p. 216.
- Cameron, Roy B. (See Kahlo and Cameron.)
- Cameron, William, Toledo, Ohio. Pipe-wrench. No. 1,077,591; Nov. 4; Gaz. vol. 196; p. 121.
- Cameron, William W. (See Davis and Cameron.)
- Cammarata, Carmelo, Uniontown, Pa. Line-holder. No. 1,055,019; Mar. 4; Gaz. vol. 188; p. 124.
- Camp, Franklin I. (See Hiller and Camp.)
- Camp, George E., assignor to International Heater Company, Utica, N. Y. Grate. No. 1,078,769; Nov. 18; Gaz. vol. 196; p. 591.
- Camp, George H., Leolyn, Pa. Window-guard. No. 1,051,486; Jan. 28; Gaz. vol. 186; p. 842.
- Camp, Robert L., Rutherford county, N. C. Axle-lubricator. No. 1,060,161; Apr. 29; Gaz. vol. 189; p. 1104.
- Camp, Thomas, Atlanta, Ga. Motor-harrow. No. 1,073,026; Sept. 9; Gaz. vol. 194; p. 499.
- Camp, Warner H., Atlanta, Ga. Hydraulic press. No. 1,059,274; Apr. 15; Gaz. vol. 189; p. 729.
- Campana, John M., Morristown, N. J. Window. No. 1,073,956; Sept. 23; Gaz. vol. 194; p. 880.
- Campau, Julian G., Monroe, assignor of one-half to L. M. Connell, Jackson, Mich. Compound rail. No. 1,061,726; May 13; Gaz. vol. 190; p. 437.
- Campau, Lawrence M., Oconto, Nebr. Pump for spraying devices. No. 1,071,876; Sept. 2; Gaz. vol. 194; p. 71.
- Campbell, Albert R., Danville, Ill. Hoodwink. No. 1,056,148; Mar. 18; Gaz. vol. 188; p. 574.
- Campbell, Alexander, Los Angeles, Cal. Cover clamp and lock. No. 1,060,162; Apr. 29; Gaz. vol. 189; p. 1105.
- Campbell, Alexander, Los Angeles, Cal. Casing-cover and locking mechanism therefor. No. 1,067,717; July 15; Gaz. vol. 192; p. 690.
- Campbell, Alonzo C., Asheville, N. C. Coal-washer and ore-concentrator. No. 1,065,213; June 17; Gaz. vol. 191; p. 759.
- Campbell, Alphonso S., Medford, Mass. Binnacle-lamp and connections. No. 1,058,032; Apr. 8; Gaz. vol. 189; p. 261.
- Campbell, Andrew C., assignor to Andrew C. Campbell, Incorporated, Waterbury, Conn. Locking cotter-pin. No. 1,057,218; Mar. 25; Gaz. vol. 188; p. 971.
- Campbell, Argyle, assignor to Enterprise Railway Equipment Company, Chicago, Ill. Door mechanism for dump-cars. No. 1,051,487; Jan. 28; Gaz. vol. 186; p. 842.
- Campbell, Argyle, assignor to Enterprise Railway Equipment Company, Chicago, Ill. Dump-car-door-operating mechanism. No. 1,052,128; Feb. 4; Gaz. vol. 187; p. 98.
- Campbell, Argyle, assignor to Enterprise Railway Equipment Company, Chicago, Ill. Interchangeable side or center dump car. No. 1,053,570; Feb. 18; Gaz. vol. 187; p. 668.
- Campbell, Argyle, assignor to Enterprise Railway Equipment Company, Chicago, Ill. Interchangeable hopper and general-service dump-car. No. 1,054,087; Feb. 25; Gaz. vol. 187; p. 878.
- Campbell, Argyle, assignor to Enterprise Railway Equipment Company, Chicago, Ill. Door-operating mechanism for dump-cars. No. 1,056,883; Mar. 25; Gaz. vol. 188; p. 854.

Alphabetical list of patentees—Continued.

- Campbell, Argyle, assignor to Enterprise Railway Equipment Company, Chicago, Ill. General-service dump-car. No. 1,056,884; Mar. 25; Gaz. vol. 188; p. 855.
- Campbell, Argyle, assignor to Enterprise Railway Equipment Company, Chicago, Ill. Hopper-bottom car. No. 1,062,384; May 20; Gaz. vol. 190; p. 696.
- Campbell, Argyle, assignor to Enterprise Railway Equipment Company, Chicago, Ill. Hopper-car-door-operating mechanism. No. 1,062,385; May 20; Gaz. vol. 190; p. 696.
- Campbell, Argyle, assignor to Enterprise Railway Equipment Company, Chicago, Ill. Divertible-hopper dump-car. No. 1,063,955; June 10; Gaz. vol. 191; p. 303.
- Campbell, Argyle, assignor to Enterprise Railway Equipment Company, Chicago, Ill. Underframe for railway-cars. No. 1,065,111; June 17; Gaz. vol. 191; p. 728.
- Campbell, Argyle, assignor to Enterprise Railway Equipment Company, Chicago, Ill. Ballast-dumping car. No. 1,067,863; July 22; Gaz. vol. 192; p. 773.
- Campbell, Argyle, assignor to Enterprise Railway Equipment Company, Chicago, Ill. Hopper-bottom-car door. No. 1,068,103; July 22; Gaz. vol. 192; p. 853.
- Campbell, Argyle, assignor to Enterprise Railway Equipment Company, Chicago, Ill. Dump-car. No. 1,069,763; Aug. 12; Gaz. vol. 193; p. 262.
- Campbell, Argyle, assignor to Enterprise Railway Equipment Company, Chicago, Ill. Convertible freight-car. No. 1,071,029; Aug. 26; Gaz. vol. 193; p. 766.
- Campbell, Argyle, assignor to Enterprise Railway Equipment Company, Chicago, Ill. Hopper-car. No. 1,071,699; Sept. 2; Gaz. vol. 194; p. 10.
- Campbell, Argyle, assignor to Enterprise Railway Equipment Company, Chicago, Ill. Railway draft-rigging. No. 1,074,243; Sept. 30; Gaz. vol. 194; p. 1004.
- Campbell, Argyle, assignor to Enterprise Railway Equipment Company, Chicago, Ill. Dump-car. No. 1,076,011; Oct. 14; Gaz. vol. 195; p. 516.
- Campbell, Argyle, assignor to Enterprise Railway Equipment Company, Chicago, Ill. Dump or drop-bottom car. No. 1,077,389; Nov. 4; Gaz. vol. 196; p. 52.
- Campbell Bosworth Machinery Company. (See Warren, George E., assignor.)
- Campbell, Charles E., Lynn, Mass. Electric switch. No. 1,070,111; Aug. 12; Gaz. vol. 193; p. 381.
- Campbell, Charles E., Des Moines, Iowa. Card-index holder. No. 1,076,625; Oct. 21; Gaz. vol. 195; p. 759.
- Campbell, Charles E., assignor to Campbell Electric Company, Lynn, Mass. Electric transformer. No. 1,059,435; Apr. 22; Gaz. vol. 189; p. 822.
- Campbell, Charles G., and M. Benbrook, Milwaukee, Wis., assignors to Creamery Package Manufacturing Company, Chicago, Ill. Centrifugal fan. No. 1,053,154; Feb. 18; Gaz. vol. 187; p. 524.
- Campbell, Charles G., and M. Benbrook, Milwaukee, Wis., assignors to Creamery Package Manufacturing Company, Chicago, Ill. Vacuum-creating apparatus. No. 1,053,155; Feb. 18; Gaz. vol. 187; p. 524.
- Campbell, Charles G., and M. Benbrook, Milwaukee, Wis., assignors to The Creamery Package Mfg. Company, Chicago, Ill. Air-circulating system for vacuum-producers. No. 1,053,156; Feb. 18; Gaz. vol. 187; p. 525.
- Campbell, Charles H. (See Campbell, Joseph H. and C. H.)
- Campbell, Charles H., executor. (See Campbell, Joseph H. and C. H.)
- Campbell, Clarence G., *et al.* (See Manby and Meunier, assignors.)
- Campbell, Donald J. (See Stover, Francis E., assignor.)
- Campbell, Donald J., Muskegon, Mich. Manufacturing piston-rings. No. 1,050,102; Jan. 14; Gaz. vol. 186; p. 301.
- Campbell, Donald P. L., Vankleek Hill, Ontario, Canada. Mow-spreader. No. 1,079,211; Nov. 18; Gaz. vol. 196; p. 743.
- Campbell Electric Company. (See Campbell, Charles E., assignor.)
- Campbell, Everett H. (See Chickering, Frank W., assignor.)
- Campbell, George L. (See Stoney and Campbell.)
- Campbell, Glenn A. (See Brown, Clarence E. R., assignor.)
- Campbell, Guy L., and B. K. Postlethwaite, Minneapolis, Minn. Traction-engine. No. 1,058,546; Apr. 8; Gaz. vol. 189; p. 441.
- Campbell, Harry. (See Branham and Campbell.)
- Campbell, Harry H., Washington, D. C., and W. C. Fellows, Philadelphia, Pa., assignors to The Coin Devices Company, Washington Court House, Ohio. Coin-separator. No. 1,066,076; July 1; Gaz. vol. 192; p. 61.
- Campbell, Henry E., Bridgewater, Iowa. Barber's-chair head-rest. No. 1,078,828; Nov. 18; Gaz. vol. 196; p. 611.
- Campbell, James L., Barryton, Mich. Two-cycle explosive-engine. No. 1,082,402; Dec. 23; Gaz. vol. 197; p. 945.
- Campbell, James W., deceased; S. E. Campbell, administratrix, Germantown, N. Y., assignor to Ferguson Brothers Mfg. Co., Hoboken, N. J. Folding table. No. 1,064,286; June 10; Gaz. vol. 191; p. 417.
- Campbell, Jonah H., Hollis, Okla. Front-wheel brake for vehicles. No. 1,073,590; Sept. 23; Gaz. vol. 194; p. 753.
- Campbell, John, assignor of one-half to T. E. McDermott, Minneapolis, Minn. Boat-hull. No. 1,055,874; Mar. 11; Gaz. vol. 188; p. 446.
- Campbell, John A. L., *et al.* (See Robbins, Ira, assignor.)
- Campbell, John P., Jacksonville, Fla. Sprinkler. No. 1,080,136; Dec. 2; Gaz. vol. 197; p. 76.
- Campbell, John W. (See Daniels, Harry H., assignor.)
- Campbell, Joseph E., Upperville, assignor of one-half to A. L. Waddell, Rectortown, Va. Anvil. No. 1,065,918; July 1; Gaz. vol. 192; p. 4.
- Campbell, Joseph H., deceased, (C. H. Campbell, executor,) New York, N. Y., and C. H. Campbell, Philadelphia, Pa. Concentrating syrup. No. 1,053,784; Feb. 18; Gaz. vol. 187; p. 740.
- Campbell, Leon J., Chicago, Ill. Safety attachment for high-speed drills. No. 1,058,149; Apr. 8; Gaz. vol. 189; p. 303.
- Campbell, Leon W., Woonsocket, R. I. Carding-machine. No. 1,079,392; Nov. 25; Gaz. vol. 196; p. 834.
- Campbell, Leon W., Woonsocket, R. I. Carding-machine. No. 1,079,393; Nov. 25; Gaz. vol. 196; p. 835.
- Campbell Magnetic Separating Company. (See Etherington, James B., assignor.)
- Campbell, Ralph W. (See Carlson, John, assignor.)
- Campbell, Robert, Elizabeth, N. J. Rule attachment. No. 1,061,045; May 6; Gaz. vol. 190; p. 169.
- Campbell, Robert S., Straw Plains, Tenn. Lubricator. No. 1,070,944; Aug. 19; Gaz. vol. 193; p. 703.
- Campbell, Smith E., Grand Island, Nebr. Paper-gage for type-writers. No. 1,058,547; Apr. 8; Gaz. vol. 189; p. 441.
- Campbell, Solomon A. (See Chapman, Everett B., assignor.)
- Campbell, Sterling H. (See Fuller and Hatz, assignors.)
- Campbell, Sterling H., St. Louis, Mo. Journal-bearing for railway-cars. No. 1,056,256; Mar. 18; Gaz. vol. 188; p. 611.
- Campbell, Susan E., administratrix. (See Campbell, James W.)
- Campbell, Thomas A. (See Williams and Campbell.)
- Campbell, Thomas M., Callaway, Nebr. Automatic wagon-brake. No. 1,058,218; Apr. 8; Gaz. vol. 189; p. 327.
- Campbell, Wilson L., assignor, by mesne assignments, to First Trust and Savings Bank, trustee, Chicago, Ill. Telephone lock-out. No. 1,061,898; May 13; Gaz. vol. 190; p. 488.
- Campe, Bernard I., Yonkers, N. Y. Sweater or like garment. No. 1,052,311; Feb. 4; Gaz. vol. 187; p. 158.
- Campen, William T., South Creek, N. C. Wheel-guard for sawmill-carriages. No. 1,074,161; Sept. 30; Gaz. vol. 194; p. 977.
- Camp, William, Pelham, assignor to J. R. Clancy, Syracuse, N. Y. Stage-border-light rigging. No. 1,055,020; Mar. 4; Gaz. vol. 188; p. 124.
- Camporini, Augustine, Chicago, Ill. Shock-absorber. No. 1,078,536; Nov. 11; Gaz. vol. 196; p. 476.
- Campus, Cesare, New York, N. Y. Match-card. No. 1,055,875; Mar. 11; Gaz. vol. 188; p. 447.
- Campus, Cesare, New York, N. Y. Machine for making match-cards. No. 1,073,393; Sept. 16; Gaz. vol. 194; p. 664.
- Campus, Cesare, New York, N. Y. Book-match machine. No. 1,073,394; Sept. 16; Gaz. vol. 194; p. 665.
- Canadian Gold Car-Heating & Lighting Company. (See Ord, Lewis C., assignor.)
- Canclon, François, Roanne, France. Construction of armored concrete floors and ceilings. No. 1,058,548; Apr. 8; Gaz. vol. 189; p. 441.
- Canda, Ferdinand E., New York, N. Y. Composite metal ingot. No. 1,059,525; Apr. 22; Gaz. vol. 189; p. 852.
- Candee, Zenas P., assignor to The Waterbury Farrel Foundry and Machine Company, Waterbury, Conn. Friction-brake. No. 1,072,424; Sept. 9; Gaz. vol. 194; p. 285.
- Candee, Zenas P., assignor to Waterbury Farrel Foundry and Machine Company, Waterbury, Conn. Connection. No. 1,072,425; Sept. 9; Gaz. vol. 194; p. 285.
- Candia, Edward F. N., New York, N. Y. Automatic advertising apparatus. No. 1,082,583; Dec. 30; Gaz. vol. 197; p. 1040.
- Candland, Arthur C., Provo, Utah. Rail-fastener. No. 1,066,885; July 8; Gaz. vol. 192; p. 370.
- Candland, Arthur C., Provo, Utah. Rail-fastener. No. 1,066,886; July 8; Gaz. vol. 192; p. 370.
- Candlish, William J., Chicago, Ill. Carbureter. No. 1,058,407; Apr. 8; Gaz. vol. 189; p. 393.
- Candy, Frank and F. P., Westminster, London, England. Filter. No. 1,057,328; Mar. 25; Gaz. vol. 188; p. 1006.
- Candy, Frank P. (See Candy, Frank and F. P.)
- Cane, Pietro. (See D'Orsogna and Cane.)
- Caneavri, Joseph, assignor of one-half to F. C. Fisher, Port Arthur, Tex. Door-banger. No. 1,060,318; Apr. 29; Gaz. vol. 189; p. 1161.
- Canfield, Audley R., St. Paul, Minn. Mold for building-blocks. No. 1,050,804; Jan. 21; Gaz. vol. 186; p. 578.
- Canfield, Erwin S. (See Newton and Canfield.)

Alphabetical list of patentees—Continued.

- Canfield, Fred P., assignor to The Hanlon Tent Ring Company, Albuquerque, N. Mex. Frame for tent-openings. No. 1,064,610; June 10; Gaz. vol. 191; p. 527.
- Canfield, Harry R., assignor to The Electric Controller and Manufacturing Company, Cleveland, Ohio. Overload device. No. 1,074,602; Oct. 7; Gaz. vol. 195; p. 5.
- Canfield, Richard A. (See Brown, Harry M., assignor.)
- Canfield, Roger H., Mooringsport, La. Apparatus for boring wells. No. 1,079,836; Nov. 25; Gaz. vol. 196; p. 989.
- Canfield, Thomas, Hoosick Falls, N. Y. Triple bar. No. 1,055,876; Mar. 11; Gaz. vol. 188; p. 447.
- Canham, Percy D., assignor to Power Specialty Company, New York, N. Y. Destructor-furnace. No. 1,066,184; July 1; Gaz. vol. 192; p. 100.
- Canham, Percy D., assignor to Power Specialty Company, New York, N. Y. Destructor-furnace. No. 1,066,185; July 1; Gaz. vol. 192; p. 100.
- Canham, Percy D., assignor to Power Specialty Company, New York, N. Y. Destructor-furnace. No. 1,066,186; July 1; Gaz. vol. 192; p. 101.
- Canham, Percy D., assignor to Power Specialty Company, New York, N. Y. Furnace-charging apparatus. No. 1,072,571; Sept. 9; Gaz. vol. 194; p. 337.
- Canine, Chester W., assignor to The National Marking Machine Company, Cincinnati, Ohio. Marking-machine. No. 1,063,180; June 3; Gaz. vol. 191; p. 4.
- Canine, Chester W., Des Moines, Iowa, assignor of one-half to L. S. Smith and E. B. Stanley, Cincinnati, Ohio. Marking-machine for laundries. No. 1,059,657; Apr. 22; Gaz. vol. 189; p. 894.
- Canine, Chester W., Norwood, assignor to The National Marking Machine Company, Cincinnati, Ohio. Inking mechanism for marking-machines. No. 1,079,592; Nov. 25; Gaz. vol. 196; p. 904.
- Canion, John R., Austin, Tex. Horse-tail holder. No. 1,064,707; June 17; Gaz. vol. 191; p. 597.
- Cannaday, Lee, Park City, Utah. Amalgamating-concentrator. No. 1,059,436; Apr. 22; Gaz. vol. 189; p. 822.
- Canniff, Roy L., administrator. (See Canniff, William L.)
- Canniff, William L., deceased, by R. L. Canniff, administrator, New York, N. Y. Concrete-machine. No. 1,067,781; July 15; Gaz. vol. 192; p. 711.
- Canning, Michael. (See Terril and Canning.)
- Cannock, Francis B. (See Porter, Edwin S., assignor.)
- Cannock, Francis B., New York, N. Y. Kinetoscope-projector. No. 1,075,692; Oct. 14; Gaz. vol. 195; p. 407.
- Cannon, Louis S., Rosemary, N. C. Jacquard-card wire. No. 1,072,572; Sept. 9; Gaz. vol. 194; p. 337.
- Cannon, Vernor B. (See Anspach, Francis G., assignor.)
- Cannova, Calogero, Sioux City, Iowa. Railway-gate. No. 1,076,266; Oct. 21; Gaz. vol. 195; p. 630.
- Cantlon, William, Paris, Ill. Waste and overflow fixture. No. 1,072,911; Sept. 9; Gaz. vol. 194; p. 458.
- Canton Culvert Company, The. (See Klotz, William N., assignor.)
- Canton Culvert Company, The. (See Schlafly, Julius H., assignor.)
- Cantor, Abraham, assignor of one-half to H. Schallman, Chicago, Ill. Tape-shrinking machine. No. 1,063,507; June 3; Gaz. vol. 191; p. 114.
- Cantor, Michael J. (See Ruppert and Siegel, assignors.)
- Cantor, Solomon, Peekskill, N. Y. Bottle closure or cap. No. 1,065,587; June 24; Gaz. vol. 191; p. 927.
- Cantrell, Coy R., St. Louis, Mo. Demountable rim for pneumatic tires. No. 1,076,744; Oct. 28; Gaz. vol. 195; p. 854.
- Cantrell, Edwin B. (See Miller and Cantrell.)
- Canup, William H., Salisbury, N. C. Stock-car. No. 1,055,132; Mar. 4; Gaz. vol. 188; p. 162.
- Cap, Vratislav. (See Kral, Vacha, and Cap.)
- Capen, Thomas W., assignor to Allis-Chalmers Company, Milwaukee, Wis. Tube-mill lining. No. 1,053,084; Feb. 11; Gaz. vol. 187; p. 456.
- Capen, Thomas W., assignor to Allis-Chalmers Company, Milwaukee, Wis. Disk pulverizer. No. 1,075,192; Oct. 7; Gaz. vol. 195; p. 208.
- Capewell, George J., Jr., Hartford, Conn. Wind-shield for vehicles. No. 1,060,971; May 6; Gaz. vol. 190; p. 142.
- Capewell, William R. H., Jamesburg, N. J. Car-coupling. No. 1,077,592; Nov. 4; Gaz. vol. 196; p. 121.
- Capps, Archie L., Los Angeles, Cal. Single-bolt door-lock. No. 1,069,317; Aug. 5; Gaz. vol. 193; p. 79.
- Capron, William J., et al. (See Lewis, William W., assignor.)
- Carbery, Thomas F., St. Louis, Mo. Shield for water-gage glasses. No. 1,080,952; Dec. 9; Gaz. vol. 197; p. 391.
- Carbis, William J., assignor of one-half to R. L. Sasse, Denver, Colo. Paper-clip. No. 1,053,008; Feb. 11; Gaz. vol. 187; p. 429.
- Carbone, Tito L., Charlottenburg, Germany. Arc-lamp. (Reissue.) No. 13,618; Sept. 23; Gaz. vol. 194; p. 927.
- Carbone, Tito L., Charlottenburg, Germany. Arc-lamp. (Reissue.) No. 13,619; Sept. 23; Gaz. vol. 194; p. 928.
- Carboni, Gino, and C. Tironi, Florence, Italy. System for protecting trains. No. 1,054,277; Feb. 25; Gaz. vol. 187; p. 944.
- Carborundum Company, The. (See Allen, Thomas B., assignor.)
- Carborundum Company, The. (See Allen and Tone, assignors.)
- Carborundum Company, The. (See Rodgers, Ashmead G., assignor.)
- Carborundum Company, The. (See Smith and Tone, assignors.)
- Carborundum Company, The. (See Tone, Frank J., assignor.)
- Carborundum Company, The. (See Tone and Allen, assignors.)
- Cardell, Charles O. L., assignor to Dexter Folder Company, Pearl River, N. Y. Perforating and trimming mechanism for folding-machines. No. 1,051,803; Jan. 28; Gaz. vol. 186; p. 946.
- Cardell, Charles O. L., assignor to Dexter Folder Company, Pearl River, N. Y. Sheet-registering mechanism for folding-machines. No. 1,053,705; Feb. 18; Gaz. vol. 187; p. 715.
- Cardell, Charles O. L., assignor to Dexter Folder Company, Pearl River, N. Y. Packing-box for folding-machines. No. 1,053,706; Feb. 18; Gaz. vol. 187; p. 715.
- Cardell, Charles O. L., assignor to Dexter Folder Company, Pearl River, N. Y. Paper-feeding machine. No. 1,057,116; Mar. 25; Gaz. vol. 188; p. 936.
- Cardell, Charles O. L., assignor to Dexter Folder Company, Pearl River, N. Y. Sheet-registering gripper mechanism. No. 1,059,975; Apr. 29; Gaz. vol. 189; p. 1043.
- Cardell, Charles O. L., assignor to Dexter Folder Company, Pearl River, N. Y. Trimming mechanism for paper-folding machines. No. 1,068,104; July 22; Gaz. vol. 192; p. 853.
- Carden, Leslie C., Chicago, Ill. Garbage-receptacle. No. 1,068,854; July 29; Gaz. vol. 192; p. 1154.
- Carden, Luther W., assignor of one-half to G. H. Russell, Florence, Ala. Cattle-guard. No. 1,070,112; Aug. 12; Gaz. vol. 193; p. 382.
- Cardinell, John A., San Francisco, Cal. Machine for sharpening razor-blades. No. 1,064,885; June 17; Gaz. vol. 191; p. 654.
- Cardinell, John A., San Francisco, Cal. Razor-blade holder. No. 1,064,886; June 17; Gaz. vol. 191; p. 654.
- Cardot, Evan, Pottsville, Pa., assignor to The Phoenix Silk Manufacturing Company, Paterson, N. J. Tubular fabric. No. 1,062,143; May 20; Gaz. vol. 190; p. 615.
- Carduck, Heinrich, Saarbrücken, and J. Mattes, Brebach-on-the-Saar, Germany. Stop-block for vehicles. No. 1,081,208; Dec. 9; Gaz. vol. 197; p. 473.
- Cardwell, Allen D., New York, N. Y. Telegraph typewriter. No. 1,070,407; Aug. 19; Gaz. vol. 193; p. 525.
- Cardwell, Allen D., New York, N. Y. Controlling system for receiving apparatus. No. 1,070,945; Aug. 19; Gaz. vol. 193; p. 703.
- Cardwell, Christopher A., Concord Depot, Va. Spark-arrester. No. 1,074,603; Oct. 7; Gaz. vol. 195; p. 6.
- Cardwell, Daniel A., Topeka, Kans. Crude-oil burner. No. 1,069,851; Aug. 12; Gaz. vol. 193; p. 293.
- Cardwell, James R., Chicago, Ill. Coupling. No. 1,058,722; Apr. 15; Gaz. vol. 189; p. 536.
- Cardwell, James R., assignor to Union Draft Gear Company, Chicago, Ill. Draft-gear. No. 1,069,526; Aug. 5; Gaz. vol. 193; p. 152.
- Cardwell, James R., assignor to Union Draft Gear Company, Chicago, Ill. Draft-gear. No. 1,070,774; Aug. 19; Gaz. vol. 193; p. 650.
- Carence, Thomas, Kansas City, Mo. Means to prevent condensation of water on glass windows. No. 1,073,091; Sept. 16; Gaz. vol. 194; p. 557.
- Carence, Thomas, and E. W. Sumpter, Kansas City, Mo. Hose-coupling. No. 1,074,244; Sept. 30; Gaz. vol. 194; p. 1004.
- Carey, Arthur B., Hutchinson, Kans. Carton. No. 1,079,394; Nov. 25; Gaz. vol. 196; p. 835.
- Carey, Edward J., Baltimore, Md. Apparatus for pickling metal. No. 1,066,993; July 8; Gaz. vol. 192; p. 407.
- Carey, James D., and B. Goldenthal, New Haven, Conn. Pipe-cleaner. No. 1,078,253; Nov. 11; Gaz. vol. 196; p. 379.
- Carey, Lawrence F. (See Conroy and Sullivan, assignors.)
- Carey, Robert F., London, England. Hydraulic pump, motor, and like apparatus. No. 1,081,810; Dec. 16; Gaz. vol. 197; p. 713.
- Carey, Thomas W., Jr., New Orleans, La. Aviation apparatus. No. 1,070,011; Aug. 12; Gaz. vol. 193; p. 347.
- Carey, William L., Larimore, N. D. Slide-valve engine. No. 1,056,736; Mar. 18; Gaz. vol. 188; p. 774.
- Carhart, Franklyn M., Sea Cliff, and A. Van de Water, Glen Cove, N. Y. Tire-retainer. No. 1,052,129; Feb. 4; Gaz. vol. 187; p. 99.
- Carichoff, Eugene R., Schenectady, N. Y., assignor to General Electric Company. Fuse cut-out. No. 1,055,877; Mar. 11; Gaz. vol. 188; p. 447.
- Carichoff, Eugene R., Schenectady, N. Y., assignor to General Electric Company. Selective system. No. 1,057,035; Mar. 25; Gaz. vol. 188; p. 908.
- Carichoff, Eugene R., Schenectady, N. Y., assignor to General Electric Company. Selective system. (Reissue.) No. 13,572; June 10; Gaz. vol. 191; p. 558.

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- Carichoff, Eugene R., Schenectady, N. Y., assignor to General Electric Company. Relay for two-wire notching systems. No. 1,077,972; Nov. 11; Gaz. vol. 196; p. 282.
- Carichoff, Eugene R., East Orange, assignor to Otis Elevator Company, Jersey City, N. J. Motor-controlling system. No. 1,072,083; Sept. 2; Gaz. vol. 194; p. 141.
- Carkhuff, Norman W., assignor to Eastman Kodak Company, Rochester, N. Y. Photographic-printing mask. No. 1,061,727; May 13; Gaz. vol. 190; p. 437.
- Carl, John W., Detroit, Mich. Scaffold-bracket hanger. No. 1,066,463; July 8; Gaz. vol. 192; p. 224.
- Carlberg, Carl S. (See Olson and Carlberg.)
- Carlberg, John, Chicago, Ill. Attaching marble and other slabs to walls. No. 1,054,744; Mar. 4; Gaz. vol. 188; p. 31.
- Carley, Carrie E., Winchester, Kans. Baby-jumper. No. 1,063,956; June 10; Gaz. vol. 191; p. 303.
- Carlin Calculator Company. (See Carlin, Samuel E., assignor.)
- Carlin, Samuel E., assignor to Carlin Calculator Company, Chicago, Ill. Motor. No. 1,082,302; Dec. 23; Gaz. vol. 197; p. 912.
- Carling, Albert G., New York, N. Y. Brush. No. 1,052,312; Feb. 4; Gaz. vol. 187; p. 159.
- Carlisle, Fred B., Malden, Mass., assignor to Standard Auto Valve Company. Tire-valve. No. 1,076,267; Oct. 21; Gaz. vol. 195; p. 630.
- Carlisle, George J., Muskogee, Okla., assignor to I X L Insu-Metallic Products Company of Missouri, St. Louis, Mo. Fly-trap. No. 1,074,604; Oct. 7; Gaz. vol. 195; p. 6.
- Carll, Addison B., Boothwyn, Pa. Pipe-wrench. No. 1,052,313; Feb. 4; Gaz. vol. 187; p. 159.
- Carll, Addison B., Boothwyn, Pa. Wrench. No. 1,060,891; May 6; Gaz. vol. 190; p. 114.
- Carlsen, Andrew M., assignor, by mesne assignments, to Standard Cone Company, St. Paul, Minn. Apparatus for baking pastry cones. No. 1,078,572; Nov. 11; Gaz. vol. 196; p. 488.
- Carlson, Arthur V., Pecatonica, Ill. Rural-route mail box and collector. No. 1,083,241; Dec. 30; Gaz. vol. 197; p. 1260.
- Carlson, Axel W., Minneapolis, Minn. Thermally-released check-valve. No. 1,082,107; Dec. 23; Gaz. vol. 197; p. 842.
- Carlson, Carl A. (See Linden and Carlson.)
- Carlson, Carl A. (See Swanson, Linden, and Carlson.)
- Carlson, Carl A., San Francisco, Cal. Door-controlling mechanism. No. 1,077,594; Nov. 4; Gaz. vol. 196; p. 122.
- Carlson, Carl A., assignor to F. J. Gunnill and G. B. Peterson, Jamestown, N. Y. Lock for folding table-legs. No. 1,071,296; Aug. 26; Gaz. vol. 193; p. 856.
- Carlson, Carl A., Jamestown, N. Y., assignor of one-fifth to A. F. Nelson, one-fifth to E. R. Nelson, one-fifth to M. Dolan, and one-fifth to J. Dolan. Detachable runner for wheeled vehicles. No. 1,076,816; Oct. 28; Gaz. vol. 195; p. 879.
- Carlson, Carl G., Hawthorne, Ill. Sound-modifying reproducer for phonographs. No. 1,077,593; Nov. 4; Gaz. vol. 196; p. 122.
- Carlson, Carl S. (See Nordmark, Carl F., assignor.)
- Carlson, Charles A., Blue Island, Ill. Punch-press. No. 1,077,668; Nov. 4; Gaz. vol. 196; p. 147.
- Carlson, Charles F. (See Altgelt and Carlson.)
- Carlson, Edward, Jamestown, N. Y. Adjustable window-screen. No. 1,052,314; Feb. 4; Gaz. vol. 187; p. 159.
- Carlson, Edward E., Geneva, Ill. Window-shade. No. 1,061,728; May 13; Gaz. vol. 190; p. 437.
- Carlson, Frank A. (See Greenleaf, Rupert L., assignor.)
- Carlson, Frederick E., assignor to Landers, Frary & Clark, New Britain, Conn. Alcohol-lamp. No. 1,062,886; May 27; Gaz. vol. 190; p. 903.
- Carlson, Frederick W., Helena, Mont. Curtain-rod. No. 1,060,426; Apr. 29; Gaz. vol. 189; p. 1200.
- Carlson, Fredrick, Monessen, Pa. Burglar and fire alarm. No. 1,056,257; Mar. 18; Gaz. vol. 188; p. 611.
- Carlson, Gunnard, Rockford, Ill. Attachment for hoes. No. 1,075,330; Oct. 14; Gaz. vol. 195; p. 282.
- Carlson, Gust, and J. Wideen, Boone, Iowa. Table. No. 1,049,668; Jan. 7; Gaz. vol. 186; p. 120.
- Carlson, Gustave, assignor of one-half to W. V. Whittall, Plainfield, N. J. Mortar-mixer. No. 1,060,319; Apr. 29; Gaz. vol. 189; p. 1161.
- Carlson, Hjalmar. (See Watson and Carlson.)
- Carlson, John. (See Dahlberg, Daniel, assignor.)
- Carlson, John, Cass Lake, Minn. Fastening device. No. 1,054,824; Mar. 4; Gaz. vol. 188; p. 60.
- Carlson, John, Searsport, assignor of one-third to R. W. Campbell, Millinocket, Me. Locomotive-exhaust tip. No. 1,082,928; Dec. 30; Gaz. vol. 197; p. 1160.
- Carlson, John G. (See Watson and Carlson.)
- Carlson, John V., Burlington, Iowa. Gate. No. 1,050,611; Jan. 14; Gaz. vol. 186; p. 476.
- Carlson, John W. (See Hansen and Carlson.)
- Carlson, John W., Salt Lake City, Utah. House-number. No. 1,077,801; Nov. 4; Gaz. vol. 196; p. 192.
- Carlson, Karl O. (See Kingsley and Carlson.)
- Carlson, Karl O., assignor to National Piano Manufacturing Company, Chicago, Ill. Automatic piano-player having self-setting device. No. 1,068,217; July 2; Gaz. vol. 192; p. 893.
- Carlson, Oscar, Weedville, Pa. Gang-plow. No. 1,081,577; Dec. 16; Gaz. vol. 197; p. 634.
- Carlson, Oscar E. (See Hjorth, Henry J., assignor.)
- Carlson, Robert, Corbin, Mont. Airship. No. 1,050,337; Jan. 14; Gaz. vol. 186; p. 380.
- Carlson, William, Jamestown, N. Y. Hinge. No. 1,062,437; May 20; Gaz. vol. 190; p. 712.
- Carman, Charles L., Riverside, Cal. Ball-mill. No. 1,066,077; July 1; Gaz. vol. 192; p. 61.
- Carman, Charles L., Riverside, Cal. Feeder. No. 1,069,527; Aug. 5; Gaz. vol. 193; p. 152.
- Carman & Fryer. (See Carman, Victor H., assignor.)
- Carman, Victor H., assignor to Carman & Fryer, Indianapolis, Ind. Switch. No. 1,069,661; Aug. 5; Gaz. vol. 193; p. 196.
- Carman, William, Richmond, Va., assignor of one-half to E. C. Jorgenson, Brattleboro, Vt. Elevator-brake. No. 1,064,287; June 10; Gaz. vol. 191; p. 417.
- Carman, William, Richmond, Va., assignor of one-half to E. C. Jorgenson, Brattleboro, Vt. Elevator-brake. No. 1,068,105; July 22; Gaz. vol. 192; p. 853.
- Carmean, John M., Noblesville, Ind. Adjustable shade and curtain hanger. No. 1,061,815; May 13; Gaz. vol. 190; p. 462.
- Carmelich, Frank W., Mobile, Ala. Disinfectant-holder. No. 1,064,961; June 17; Gaz. vol. 191; p. 679.
- Carmer, James R. (See Keagy and Carmer.)
- Carmer, James R., Wilmington, Del. Roof structure for railway-cars. No. 1,050,805; Jan. 21; Gaz. vol. 186; p. 573.
- Carmichael, Luther M. (See Holmes, Eugene C., assignor.)
- Carmichael, Alexander W. (See Nicholls and Carmichael.)
- Carmine, Joseph P., Westport, New Zealand. Automatic coupling. No. 1,059,593; Apr. 22; Gaz. vol. 189; p. 874.
- Carmody, Walter R. (See Hyle, Jacob A., assignor.)
- Carmody, Walter R. (See Hyle and Carmody.)
- Carnahan, Charles T., Denver, Colo. Rotator for rock-drills. No. 1,050,806; Jan. 21; Gaz. vol. 186; p. 574.
- Carnahan, John E., and A. J. Maskrey, Canton, Ohio. Oxidizing steel or iron sheets. No. 1,056,627; Mar. 18; Gaz. vol. 188; p. 738.
- Carnegie Steel Company. (See Reese and Wales, assignors.)
- Carnegie Steel Company. (See Wales, Samuel S., assignor.)
- Carnell, Ambrose S., New York, N. Y. Vending-machine. No. 1,054,671; Mar. 4; Gaz. vol. 188; p. 7.
- Carnes Artificial Limb Company. (See Carnes, William T., assignor.)
- Carnes, William T., assignor to Carnes Artificial Limb Company, Kansas City, Mo. Supporting-harness for artificial arms. No. 1,056,499; Mar. 18; Gaz. vol. 188; p. 693.
- Carney, Edward, assignor to Eastern Sales Book Company, Glendale, N. Y. Manifold device. No. 1,075,460; Oct. 14; Gaz. vol. 195; p. 329.
- Carney, Edward D. (See Wood and Carney.)
- Carnes, Edward W., Chicago, Ill., assignor to American Can Company, New York, N. Y. Sheet-metal box. No. 1,072,820; Sept. 9; Gaz. vol. 194; p. 423.
- Carney, Frank D., and L. B. Lindemuth, Steelton, Pa. Making sound castings. No. 1,073,735; Sept. 23; Gaz. vol. 194; p. 806.
- Carney, Fred J. (See Wainwright and Carney.)
- Carney, James J., Haverhill, Mass. Axle. No. 1,051,081; Jan. 21; Gaz. vol. 186; p. 672.
- Carney, John, Chatsworth, Ill. Marker-operating mechanism. No. 1,077,669; Nov. 4; Gaz. vol. 196; p. 147.
- Carney, William C., San Diego, Cal. Device for placing a vehicle on a track. No. 1,051,082; Jan. 21; Gaz. vol. 186; p. 672.
- Carnley, John L., Ruble, Miss. Locomotive-headlight. No. 1,082,623; Dec. 30; Gaz. vol. 197; p. 1054.
- Carnovsky, Byron H., Detroit, Mich. Antifriction-slide for extension-tables. No. 1,057,706; Apr. 1; Gaz. vol. 189; p. 106.
- Caro, Alfred, Charlottenburg, Germany. Rail-filing machine. No. 1,082,732; Dec. 30; Gaz. vol. 197; p. 1092.
- Caro, David M., Montclair, N. J. Sharpening device. No. 1,066,994; July 8; Gaz. vol. 192; p. 407.
- Caron, Jacob, Nampa, Idaho. Railway-tie. No. 1,049,991; Jan. 7; Gaz. vol. 186; p. 227.
- Caron, Jacob, Nampa, Idaho. Journal-box for railway-cars. No. 1,075,761; Oct. 14; Gaz. vol. 195; p. 430.
- Carp, Arthur, St. Louis, Mo. Bobbin-retainer for bobbin-winders. No. 1,055,604; Mar. 11; Gaz. vol. 188; p. 354.
- Carp, Arthur, St. Louis, Mo. Quick-adjusting wrench. No. 1,061,046; May 6; Gaz. vol. 190; p. 170.
- Carp, Arthur, St. Louis, Mo., assignor to The Reece Button Hole Machine Company, Boston, Mass. Needle-setting device. No. 1,072,084; Sept. 2; Gaz. vol. 194; p. 141.
- Carpenter, Abram P., Goshen, N. Y. Combination railway-rail and rail-joint. No. 1,057,478; Apr. 1; Gaz. vol. 189; p. 28.

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- Carpenter, Benjamin F., Pocatello, Idaho. Fence-post. No. 1,051,679; Jan. 28; Gaz. vol. 186; p. 906.
- Carpenter, Daniel A., New York, N. Y., assignor, by mesne assignments, to Union Typewriter Company, Jersey City, N. J. Type-writing machine. No. 1,057,802; Apr. 1; Gaz. vol. 189; p. 139.
- Carpenter, Daniel A., New York, N. Y., assignor, by mesne assignments, to Union Typewriter Company, Jersey City, N. J. Type-writing machine. No. 1,057,996; Apr. 1; Gaz. vol. 189; p. 205.
- Carpenter, Delos H., Minneapolis, Minn. Die for forming dental backings. No. 1,078,829; Nov. 18; Gaz. vol. 196; p. 611.
- Carpenter, Earl C., San Antonio, Tex. Dip for animals. No. 1,071,507; Aug. 26; Gaz. vol. 193; p. 926.
- Carpenter, Francis W., St. Paul, Minn. Feeder attachment for threshing-machines. No. 1,055,987; Mar. 11; Gaz. vol. 188; p. 484.
- Carpenter Francis W., assignor to Carpenter Wing Carrier Manufacturing Company, St. Paul, Minn. Threshing-machine attachment. No. 1,055,386; Mar. 11; Gaz. vol. 188; p. 283.
- Carpenter, George T., assignor to The Burch Plow Works Co., Crestline, Ohio. Pipe for conduits or drains. No. 1,054,904; Mar. 4; Gaz. vol. 188; p. 86.
- Carpenter, Harold N. (See Taylor, Huston and J. H., assignors.)
- Carpenter, Henry L., Minneapolis, Minn. Garter. No. 1,069,852; Aug. 12; Gaz. vol. 193; p. 293.
- Carpenter, Hezekiah, assignor of one-third to N. Westenberg and one-third to G. H. Hendrix, Kremmling, Colo. Stovepipe-holder. No. 1,079,212; Nov. 18; Gaz. vol. 196; p. 743.
- Carpenter, John C., Houston, Tex. Fruit and vegetable washer. No. 1,059,030; Apr. 15; Gaz. vol. 189; p. 646.
- Carpenter, John C., Houston Heights, Tex. Carbureter-regulating mechanism. No. 1,076,268; Oct. 21; Gaz. vol. 195; p. 630.
- Carpenter, John H. (See Taylor, John A., assignor.)
- Carpenter, John H., assignor of three-fourths to J. H. Noon, Columbus, Ohio. Continuous ice-cream freezer. No. 1,076,950; Oct. 28; Gaz. vol. 195; p. 927.
- Carpenter, Kenneth G., assignor to American Manufacturing Company, St. Louis, Mo. Package of cordage and making same. No. 1,080,527; Dec. 2; Gaz. vol. 197; p. 213.
- Carpenter, Lewis A., and R. Middleton, Revere, Mass. Blade-holding device. No. 1,058,351; Apr. 8; Gaz. vol. 189; p. 374.
- Carpenter, Lewis A., and R. Middleton, Revere, Mass. Twine-cutter. No. 1,063,851; June 3; Gaz. vol. 191; p. 234.
- Carpenter, Lewis A., and R. Middleton, Revere, Mass. Pipe-hanger. No. 1,063,852; June 3; Gaz. vol. 191; p. 234.
- Carpenter, Rolla C., Ithaca, N. Y., and T. J. Fleming, Los Angeles, Cal.; said Carpenter assignor to said Fleming. Process of and apparatus for producing draft in cement-kilns and separating dust from the waste gases of such kilns. No. 1,078,254; Nov. 11; Gaz. vol. 196; p. 379.
- Carpenter, Samuel W., Pittsburgh, Pa. Nut-locking device. No. 1,063,853; June 3; Gaz. vol. 191; p. 234.
- Carpenter Wing Carrier Manufacturing Company. (See Carpenter, Francis W., assignor.)
- Carr, Albert B., Atlanta, Ga., assignor to The Procter and Gamble Company, Cincinnati, Ohio. Steam-cooker for oil-bearing meal. No. 1,082,303; Dec. 23; Gaz. vol. 197; p. 912.
- Carr, Emory M., Newcastle, Ind. Speed-governor. No. 1,049,669; Jan. 7; Gaz. vol. 186; p. 120.
- Carr Fastener Company. (See Carr, Fred S., assignor.)
- Carr, Fred S., Brookline, assignor to Carr Fastener Company, Boston, Mass. Stud-and-socket fastener. No. 1,070,113; Aug. 12; Gaz. vol. 193; p. 382.
- Carr, Frederick, *et al.* (See Hervey, Lee A., assignor.)
- Carr, George C., Nelson, Ky. Ironing-board. No. 1,082,403; Dec. 23; Gaz. vol. 197; p. 945.
- Carr, George W., Sr., Inverness, Miss. Device to prevent rails from spreading. No. 1,082,496; Dec. 30; Gaz. vol. 197; p. 1007.
- Carr, Howard G., Hoopeston, Ill. Motor-vehicle running-gear. No. 1,061,981; May 20; Gaz. vol. 190; p. 559.
- Carr, Hugh, Smyrna, Mich. Street-cleaning machine. No. 1,081,209; Dec. 9; Gaz. vol. 197; p. 473.
- Carr, John B., Detroit, Mich. Toy. No. 1,058,150; Apr. 8; Gaz. vol. 189; p. 304.
- Carr, John H., Alhambra, Cal. Platform-wheel. No. 1,068,563; July 29; Gaz. vol. 192; p. 1049.
- Carr, John H., assignor to W. K. Carr, Alhambra, Cal. Wave-power mechanism. No. 1,073,214; Sept. 16; Gaz. vol. 194; p. 601.
- Carr, John H., Alhambra, assignor of one-half to H. E. Marsh, Palms, Cal. Portable excavating-machine. No. 1,081,487; Dec. 16; Gaz. vol. 197; p. 607.
- Carr, Knowles K., St. Louis, Mo. Corn-planter. No. 1,052,459; Feb. 11; Gaz. vol. 187; p. 243.
- Carr, Samuel, executor. (See Raymond, Freeborn F., 2d.)
- Carr, Walter E., Littleton, Colo., assignor to The Ingersoll-Rand Company, New York, N. Y. Rock-cutting drill-bit. No. 1,081,721; Dec. 16; Gaz. vol. 197; p. 681.
- Carr, William C., Buffalo, N. Y. Truck. No. 1,062,887; May 27; Gaz. vol. 190; p. 903.
- Carr, William C., Buffalo, N. Y. End-gate for trucks. No. 1,066,464; July 8; Gaz. vol. 192; p. 224.
- Carr, William K. (See Carr, John H., assignor.)
- Carr, William M., Wheeling, W. Va. Apparatus for making coke and gas. No. 1,070,666; Aug. 19; Gaz. vol. 193; p. 613.
- Carrau, Edward, assignor of one-half to J. Girard, Cathlamet, Wash. Switch-operating mechanism. No. 1,057,410; Apr. 1; Gaz. vol. 189; p. 7.
- Carrau, Edward, assignor of one-third to J. Girard and one-third to P. Cadeau, Cathlamet, Wash. Switch-operating mechanism. No. 1,062,817; May 27; Gaz. vol. 190; p. 880.
- Carrau, Mario, Montevideo, Uruguay. Umbrella. No. 1,078,414; Nov. 11; Gaz. vol. 196; p. 437.
- Carrette, Adolphus, assignor of one-half to E. M. Goodman, Los Angeles, Cal. Window-lock. No. 1,074,162; Sept. 30; Gaz. vol. 194; p. 977.
- Carrick, Arthur A. (See Myers and Carrick.)
- Carrick, Frederick A., Milwaukee, Wis. Stopper. No. 1,051,680; Jan. 28; Gaz. vol. 186; p. 906.
- Carrick, Thomas, and W. A. Baisley, San Francisco, Cal. Wheel-flange oiler. No. 1,082,798; Dec. 30; Gaz. vol. 197; p. 1115.
- Carrier, Willis H., assignor to Buffalo Forge Company, Buffalo, N. Y. System for purifying, humidifying, and controlling the humidity of air. No. 1,059,976; Apr. 29; Gaz. vol. 189; p. 1043.
- Carrier, Willis H., assignor to Buffalo Forge Company, Buffalo, N. Y. Air-cooling apparatus. No. 1,078,608; Nov. 18; Gaz. vol. 196; p. 533.
- Carrington, Charles P., T. and R. L. Susemihl, New York, N. Y. Folding umbrella. No. 1,068,564; July 29; Gaz. vol. 192; p. 1050.
- Carroll, Charles. (See Spotts, James C., assignor.)
- Carroll, Charles J., Baltimore, Md. Wire cap. No. 1,055,515; Mar. 11; Gaz. vol. 188; p. 326.
- Carroll, Elbert H., assignor to Morgan Construction Company, Worcester, Mass. Wire-drawing machine. No. 1,072,085; Sept. 2; Gaz. vol. 194; p. 142.
- Carroll, George P., Bridgeport, Conn., and F. N. Roehrich, New York, N. Y.; said Roehrich assignor to said Carroll. Safety instantaneous water-heater. No. 1,059,977; Apr. 29; Gaz. vol. 189; p. 1043.
- Carroll, George R., *et al.* (See Wilson, Alfred J., assignor.)
- Carroll, Hugh J. (See Taylor, James H., assignor.)
- Carroll, James, Pittsfield, Ill. Farm-gate. No. 1,056,776; Mar. 25; Gaz. vol. 188; p. 818.
- Carroll, James, Pittsfield, Ill. Gate. No. 1,061,448; May 13; Gaz. vol. 190; p. 337.
- Carroll, John B., Chicago, Ill. Acetylene-burner. No. 1,050,338; Jan. 14; Gaz. vol. 186; p. 381.
- Carroll, Lafayette D., Westminster, England, assignor to A. G. Glasgow, Richmond, Va., and Westminster, England. Means for the manufacture of carbureted water-gas. No. 1,055,317; Mar. 11; Gaz. vol. 188; p. 258.
- Carroll, Lewis R., Charlotte, N. C. Adjustable holder for laminated forms. No. 1,079,163; Nov. 18; Gaz. vol. 196; p. 727.
- Carroll, Morris B., Schenectady, N. Y., assignor to General Electric Company. Governing mechanism for mixed-pressure turbines. No. 1,049,809; Jan. 7; Gaz. vol. 186; p. 167.
- Carroll, Norman W., Cincinnati, Ohio. Music-leaf turner. No. 1,055,443; Mar. 11; Gaz. vol. 188; p. 302.
- Carroll, Philip F., assignor to Champion Machinery Company, Joliet, Ill. Dough-proofing apparatus. No. 1,064,194; June 10; Gaz. vol. 191; p. 386.
- Carroll, Philip F., assignor to Champion Machinery Company, Joliet, Ill. Dough-divider. No. 1,050,890; Dec. 9; Gaz. vol. 197; p. 370.
- Carroll, Thomas, Oakwood, Ohio. Keyless lock. No. 1,066,465; July 8; Gaz. vol. 192; p. 224.
- Carroll, Thomas, assignor to The National Cash Register Company, Dayton, Ohio. Cash-register. No. 1,054,672; Mar. 4; Gaz. vol. 188; p. 7.
- Carroll, William H., Jersey City, N. J. Railway-car-vestibule door and trap. No. 1,056,149; Mar. 18; Gaz. vol. 188; p. 574.
- Carroll, William J., assignor to Sargent & Company, New Haven, Conn. Lock. No. 1,065,505; June 24; Gaz. vol. 191; p. 898.
- Carruthers, James, New York, N. Y. Adjusting apparatus. No. 1,053,157; Feb. 18; Gaz. vol. 187; p. 525.
- Carruthers, James, New York, N. Y. Sheet-adjusting apparatus. No. 1,055,257; Mar. 4; Gaz. vol. 188; p. 201.
- Carsalade du Pont, Paul de, assignor of one-half to G. Escarras, Paris, France. Writing-machine. No. 1,056,321; Mar. 18; Gaz. vol. 188; p. 631.
- Carscadin, Charles A., and G. A. Woodman, Chicago, Ill. Yoke for draft-gear. No. 1,076,663; Oct. 28; Gaz. vol. 195; p. 824.
- Carscadin, Charles A., and G. A. Woodman, Chicago, Ill. Yoke for draft-gear. No. 1,076,866; Oct. 28; Gaz. vol. 195; p. 897.

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- Carscadin, Charles A., and G. A. Woodman, assignors of one-third to R. C. Dudley, Chicago, Ill. Car-brake shaft. No. 1,051,488; Jan. 28; Gaz. vol. 186; p. 842.
- Carshore, William J., Jr. (See Kiefer, Raymond A., assignor.)
- Carslake, John B., *et al.*, executors. (See Hipkins, William E.)
- Carson, David R., and G. W. Russell, assignors of one-third to F. L. Orme, Ottawa, Ontario, Canada. Pneumatic player-action. No. 1,055,605; Mar. 11; Gaz. vol. 188; p. 354.
- Carson, E. A., *et al.* (See West, Charles B., assignor.)
- Carson, Helen S., Chicago, Ill. Book-marker. No. 1,056,322; Mar. 18; Gaz. vol. 188; p. 631.
- Carson, J. M., *et al.* (See West, Charles B., assignor.)
- Carson, John, Centerport, N. Y. Shock-absorbing attachment. 1,070,114; Aug. 12; Gaz. vol. 193; p. 382.
- Carson, Joseph P., Chesterfield, Va. Stopper for closing and sealing bottles. No. 1,080,891; Dec. 9; Gaz. vol. 197; p. 371.
- Carson, Robert N., San Francisco, Cal. Hood for glove-fingers. No. 1,074,351; Sept. 30; Gaz. vol. 194; p. 1040.
- Carson, William E., Riverton, Va. Fertilizer. No. 1,082,108; Dec. 23; Gaz. vol. 197; p. 843.
- Carstarphen, W. P., Jr., *et al.* (See Sigafoos, Thomas R., assignor.)
- Carswell, David, St. Joseph, Mo. Fly-killer. No. 1,055,133; Mar. 4; Gaz. vol. 188; p. 162.
- Carswell, Robert E., Minneapolis, Minn. Combined ventilator and advertising device. No. 1,072,821; Sept. 9; Gaz. vol. 194; p. 424.
- Carter, Albert, and A. E. Comber, Galesburg, Ill. Gate. No. 1,074,693; Oct. 7; Gaz. vol. 195; p. 38.
- Carter, Andrew J., Victor, Colo. Hammer-drill. No. 1,069,853; Aug. 12; Gaz. vol. 193; p. 294.
- Carter, Augustus A., Fayette, Iowa. Record-keeping card. No. 1,071,030; Aug. 26; Gaz. vol. 193; p. 766.
- Carter, Brauch J., East Side, Saginaw, Mich. Nut-lock. No. 1,068,981; July 29; Gaz. vol. 192; p. 1196.
- Carter Carburetor Company. (See Carter, William C., assignor.)
- Carter, Chapel S. (See Munger and Carter.)
- Carter, Chapel S., assignor to The H. C. Cook Company, Ansonia, Conn. Paper-fastener. No. 1,056,969; Mar. 25; Gaz. vol. 188; p. 884.
- Carter, Charles W., Detroit, Mich. Sanitary cover for wagons. No. 1,065,588; June 24; Gaz. vol. 191; p. 927.
- Carter-Crume Company, The. (See Bottle, Edward K., assignor.)
- Carter, Curtis C., Chapin, Ill. Electric regulator for incubators. No. 1,079,213; Nov. 18; Gaz. vol. 196; p. 744.
- Carter, Edwin M. and R. L., Rockville, Ind. Corn-shocker. No. 1,057,219; Mar. 25; Gaz. vol. 188; p. 971.
- Carter, Elmer, *et al.* (See Thomas, Martin E., assignor.)
- Carter, F. M. (See Cowart, Lively, assignor.)
- Cartier, Frank E., Winslow, Wash. Fastening for knock-down furniture and the like. No. 1,078,186; Nov. 11; Gaz. vol. 196; p. 356.
- Carter, George L., Collegeview, Nebr. Target-trap. No. 1,066,379; July 1; Gaz. vol. 192; p. 166.
- Carter, George W., Norway, Me. Sole-rounding machine. No. 1,061,356; May 13; Gaz. vol. 190; p. 306.
- Carter, Henry. (See Pryor, Raymond H., assignor.)
- Carter, Isaac T., Emmetsburg, Iowa. Skinning-knife. No. 1,065,863; June 24; Gaz. vol. 191; p. 1019.
- Carter, John H., Sumter, Ga. Singletree. No. 1,059,829; Apr. 22; Gaz. vol. 189; p. 951.
- Carter, John R., Toronto, Ontario, Canada. Heating device for baths and the like. No. 1,074,694; Oct. 7; Gaz. vol. 195; p. 38.
- Carter, John T., Pensacola, Fla. Vise. No. 1,059,830; Apr. 22; Gaz. vol. 189; p. 951.
- Carter, John W., Brooklyn, N. Y. Bottle-stopper. No. 1,065,896; June 24; Gaz. vol. 191; p. 1031.
- Carter, Maurice A., Granville, N. Y., assignor to The Walker Tire Chain Company, Toledo, Ohio. Chain mat for resilient tires. No. 1,065,214; June 17; Gaz. vol. 191; p. 760.
- Carter, Ralph B., Haworth, N. J. Pump. No. 1,060,815; May 6; Gaz. vol. 190; p. 86.
- Carter, Ralph B., Haworth, N. J. Pump. No. 1,060,816; May 6; Gaz. vol. 190; p. 86.
- Carter, Redden O., Sanderson, Fla. Barrel-head. No. 1,075,399; Oct. 14; Gaz. vol. 195; p. 308.
- Carter, Rice & Company. (See Adams, Charles A., assignor.)
- Carter, Rice & Company. (See Luttrupp, Sven J. C., assignor.)
- Carter, Richard B., Blair, Nebr. Hot-blast oil-burner heater. No. 1,080,810; Dec. 9; Gaz. vol. 197; p. 343.
- Carter, Richard B., assignor to The Perfection Harness and Tug Buckle Company, Blair, Nebr. Harness-buckle. No. 1,065,919; July 1; Gaz. vol. 192; p. 4.
- Carter, Robert A., Pittsburgh, Pa. Bending-machine. No. 1,071,700; Sept. 2; Gaz. vol. 194; p. 10.
- Carter, Robert S., Chicago, Ill. Garment-supporter. No. 1,074,605; Oct. 7; Gaz. vol. 195; p. 6.
- Carter, Roy L. (See Carter, Edwin M. and R. L.)
- Carter, Russell B., *et al.* (See Pendleton, William H. E., assignor.)
- Carter, Russell S., Hewlett, N. Y., assignor to Ingersoll-Rand Company, Jersey City, N. J. Water-feed-drill chuck. No. 1,071,203; Aug. 26; Gaz. vol. 193; p. 824.
- Carter, Thomas L., Atlanta, Ga. Seed-planter. No. 1,062,766; May 27; Gaz. vol. 190; p. 863.
- Carter Ticket Company. (See Martin, Calvin, assignor.)
- Carter, William C., assignor to Carter Carburetor Company, St. Louis, Mo. Internal-combustion engine. No. 1,081,432; Dec. 16; Gaz. vol. 197; p. 588.
- Carter, William E., Anderson, Ind. Collar-packager. No. 1,064,708; June 17; Gaz. vol. 191; p. 597.
- Carter, William H., assignor to The William Carter Company, Needham Heights, Mass. Forming crochet-stitch fabric-borders. No. 1,072,086; Sept. 2; Gaz. vol. 194; p. 142.
- Carter, William H., assignor, by mesne assignments, to The William Carter Co., Needham Heights, Mass. Border for fabrics. No. 1,072,380; Sept. 2; Gaz. vol. 194; p. 241.
- Carter, William L., assignor to Waterloo Register Company, Waterloo, Iowa. Adjustable foldable tray-support. No. 1,053,357; Feb. 18; Gaz. vol. 187; p. 595.
- Carter, William L., assignor to The Waterloo Register Company, Waterloo, Iowa. Ventilating device for cisterns. No. 1,080,137; Dec. 2; Gaz. vol. 197; p. 77.
- Carter, William O., Madisonville, Tex. Horse-detacher. No. 1,057,619; Apr. 1; Gaz. vol. 189; p. 76.
- Carter, Willis M., New York, N. Y., assignor to American Lithographic Company, Hinge. No. 1,055,516; Mar. 11; Gaz. vol. 188; p. 326.
- Carter's Ink Company, The. (See Schmitt, Charles A., assignor.)
- Carthage Machine Company. (See Hemings, Frederick E., assignor.)
- Cartier, Charles A. (See Ryone, Eugene S., assignor.)
- Cartin, John P. (See Abercrombie and Cartin.)
- Cartledge, Frank, Terre Haute, Ind. Cutter-head. No. 1,074,834; Oct. 7; Gaz. vol. 195; p. 83.
- Cartmill, John C., Lead, S. D. Mine-shovel. No. 1,078,255; Nov. 11; Gaz. vol. 196; p. 379.
- Cartmill, John E., Roseville, W. Va. Wrench. No. 1,078,901; Nov. 18; Gaz. vol. 196; p. 636.
- Cartwright, Charles E., Fort Wayne, Ind. Bedclothes-holder. No. 1,082,929; Dec. 30; Gaz. vol. 197; p. 1161.
- Cartwright, Ernest O., Springfield, Ohio, assignor, by mesne assignments, to J. McGunagle, New York, N. Y. Printing-press. No. 1,069,764; Aug. 12; Gaz. vol. 193; p. 262.
- Cartwright, Ernest O., Springfield, Ohio, assignor, by mesne assignments, to J. McGunagle, New York, N. Y. Apparatus for printing. No. 1,069,765; Aug. 12; Gaz. vol. 193; p. 263.
- Cartwright, Ernest O., Springfield, Ohio, assignor, by mesne assignments, to J. McGunagle, New York, N. Y. Printing-press. No. 1,069,766; Aug. 12; Gaz. vol. 193; p. 263.
- Cartwright, John, Cleveland, Ohio. Means for attaching and removing gas-mantles. No. 1,059,978; Apr. 29; Gaz. vol. 189; p. 1044.
- Cartwright, Joseph J., Shrewsbury, assignor to P. C. K. W. Murray, London, England. Cooking-range. No. 1,060,228; Apr. 29; Gaz. vol. 189; p. 1128.
- Cartwright, Joseph J., Shrewsbury, assignor to P. C. K. W. Murray, London, England. Cooking range and stove. No. 1,069,918; Aug. 12; Gaz. vol. 193; p. 315.
- Cartwright, Martha, executrix. (See Cartwright, William P.)
- Cartwright, William P., deceased, Schenectady, N. Y.; M. Cartwright, executrix, assignor to General Electric Company. Holder for heavy shades. No. 1,076,626; Oct. 21; Gaz. vol. 195; p. 760.
- Carty, Alton B., Washington, D. C. Ink-fountain. No. 1,076,482; Oct. 21; Gaz. vol. 195; p. 708.
- Carvalho, Leslie R. N., New York, assignor to Paragon Metal Cap Co., Brooklyn, N. Y. Jar-closure. No. 1,066,078; July 1; Gaz. vol. 192; p. 62.
- Carver Cotton Gin Company. (See McLean, Robert W., assignor.)
- Carver, David F., Newark, N. J. Card-index. No. 1,053,009; Feb. 11; Gaz. vol. 187; p. 429.
- Carver, George W., East Orange, N. J. Ironing-board support. No. 1,056,258; Mar. 18; Gaz. vol. 188; p. 611.
- Carveth, Hector R., Niagara Falls, assignor to The Roessler & Hasslacher Chemical Co., New York, N. Y. Apparatus for fusing electrolytes. No. 1,074,408; Sept. 30; Gaz. vol. 194; p. 1059.
- Cary-Curr, Henry J., assignor to E. H. Sargent & Co., Chicago, Ill. Extraction apparatus. No. 1,082,304; Dec. 23; Gaz. vol. 197; p. 913.
- Cary-Elwes, Charles. (See Garrett, Theodore F., assignor.)
- Cary, James G., Jackson, Tenn. Water-closet attachment. No. 1,051,985; Feb. 4; Gaz. vol. 187; p. 47.
- Cary, James G., Jackson, Tenn. Register. No. 1,073,957; Sept. 23; Gaz. vol. 194; p. 881.

Alphabetical list of patentees—Continued.

- Cary Safe Company. (See Cary, Sherman L., assignor.)
 Cary, Sherman L., assignor to Cary Safe Company, Buffalo, N. Y. Safe construction. No. 1,051,681; Jan. 28; Gaz. vol. 186; p. 906.
 Casablancas, Fernando, Sabadell, Spain. Mechanism for drawing rovings of wool and other textile fibers. No. 1,079,837; Nov. 25; Gaz. vol. 196; p. 989.
 Casad, Roland C., Covina, Cal. Oil-burner. No. 1,058,947; Apr. 15; Gaz. vol. 189; p. 616.
 Casaday, James O. (See Casaday, William L. and J. O.)
 Casaday, Maria, administratrix. (See Casaday, William L. and J. O.)
 Casaday, William L., deceased, and J. O. Casaday, South Bend, Ind.; M. Casaday, administratrix, assignor to said J. O. Casaday. Flue-cleaner. No. 1,060,163; Apr. 29; Gaz. vol. 189; p. 1105.
 Casavant, Alvin C., Gardner, Mass. Pipe-fitting. No. 1,055,318; Mar. 11; Gaz. vol. 188; p. 258.
 Casazza, August, Hoboken, N. J. Cushion-tire for vehicle-wheels. No. 1,083,000; Dec. 30; Gaz. vol. 197; p. 1184.
 Casazza, Valentino, New York, N. Y. Window-screen. No. 1,053,010; Feb. 11; Gaz. vol. 187; p. 429.
 Case, Arthur L., Plainfield, N. J. Producing stereotype printing-plates. No. 1,064,052; June 10; Gaz. vol. 191; p. 336.
 Case, Charles A., Shelter Island, N. Y. Broom-bridle. No. 1,082,497; Dec. 30; Gaz. vol. 197; p. 1007.
 Case, Charles H. (See Welch and Case.)
 Case, Edgar D., Flint, Mich. Check overflow-fitting. No. 1,058,033; Apr. 8; Gaz. vol. 189; p. 261.
 Case, Ernest W., San Diego, Cal. Combined latch and lock for doors. No. 1,073,736; Sept. 23; Gaz. vol. 194; p. 806.
 Case, Frank E., Schenectady, N. Y., assignor to General Electric Company. Pantograph-trolley. No. 1,075,331; Oct. 14; Gaz. vol. 195; p. 283.
 Case, Frank E., Schenectady, N. Y., assignor to General Electric Company. Motor-control system. No. 1,077,802; Nov. 4; Gaz. vol. 196; p. 192.
 Case, Harold S., Standfordville, N. Y. Heater or muffler attachment. No. 1,055,708; Mar. 11; Gaz. vol. 188; p. 389.
 Case, Hoy P., Stockton, Cal. Swimming-glove. No. 1,049,448; Jan. 7; Gaz. vol. 186; p. 44.
 Case, James C., Sleepy Eye, Minn. Twine-holder. No. 1,077,453; Nov. 4; Gaz. vol. 196; p. 75.
 Case, Jamie. (See Bryant and Case.)
 Case, Omer P., Canandaigua, N. Y., assignor, by mesne assignments, to Case Wrench Company, Inc. Wrench. No. 1,080,536; Dec. 9; Gaz. vol. 197; p. 248.
 Case, William, Chicago, Ill., assignor to The National Malleable Castings Company, Cleveland, Ohio. Journal-box and wear-plate therefor. No. 1,063,655; June 3; Gaz. vol. 191; p. 169.
 Case, William W., Raymond, Cal. Pencil. No. 1,064,288; June 10; Gaz. vol. 191; p. 417.
 Case, Willis W., Jr., Denver, Colo. Tilting metallurgical furnace. No. 1,066,995; July 8; Gaz. vol. 192; p. 407.
 Case, Willis W., Jr., Denver, Colo. Furnace. No. 1,076,346; Oct. 21; Gaz. vol. 195; p. 660.
 Case, Willis W., Jr., Denver, Colo. Oil-forge for drill-steel. No. 1,077,803; Nov. 4; Gaz. vol. 196; p. 192.
 Case Wrench Company. (See Case, Omer P., assignor.)
 Casebolt, Charles H., St. Louis, Mo. Shirt. No. 1,075,010; Oct. 7; Gaz. vol. 195; p. 144.
 Casein Company of America. (See Dunham, Andrew A., assignor.)
 Casevitz, Henry, Paris, France. Hygienic textile sponge. No. 1,074,245; Sept. 30; Gaz. vol. 194; p. 1005.
 Casey, Frederick A., deceased, Billerica, assignor of one-half to The Ashton Valve Company, Boston; A. C. Ashton, Somerville, and M. N. Casey, Billerica, Mass., executors. Signal for trains. No. 1,066,079; July 1; Gaz. vol. 192; p. 62.
 Casey, Irby B., Spokane, Wash. Potato-digger. No. 1,049,340; Jan. 7; Gaz. vol. 186; p. 8.
 Casey, Irby B., Kiesling Station, Wash. Potato-digger. No. 1,049,670; Jan. 7; Gaz. vol. 186; p. 120.
 Casey, John C., Cincinnati, Ohio. Woodworking machinery. No. 1,081,578; Dec. 16; Gaz. vol. 197; p. 635.
 Casey, Joseph J., Reno, Nev. Machine for severing bolts and nuts of vehicle-wheels. No. 1,054,172; Feb. 25; Gaz. vol. 187; p. 908.
 Casey, Mary N., et al., executors. (See Casey, Frederick A.)
 Casey, Owen E., Nashua, Minn. Resilient wheel. No. 1,067,504; July 15; Gaz. vol. 192; p. 618.
 Casey, Samuel J., Keeseville, N. Y. Spring-tire for vehicle-wheels. No. 1,053,707; Feb. 18; Gaz. vol. 187; p. 716.
 Casey, William F. J., and G. Cavin, Kingston, Ontario, Canada. Reversing-gear for locomotives and the like. No. 1,082,733; Dec. 30; Gaz. vol. 197; p. 1092.
 Casgrain, Louis A., Beverly, Mass., assignor to United Shoe Machinery Company, Paterson, N. J. Stitch-impression machine. No. 1,049,449; Jan. 7; Gaz. vol. 186; p. 44.
 Casgrain, Louis A., Beverly, Mass., assignor to United Shoe Machinery Company, Paterson, N. J. Machine for inserting fastenings. No. 1,053,479; Feb. 18; Gaz. vol. 187; p. 636.
 Casgrain, Louis A., Beverly, Mass., assignor to United Shoe Machinery Company, Paterson, N. J. Machine for attaching welts. No. 1,053,571; Feb. 18; Gaz. vol. 187; p. 669.
 Casgrain, Louis A., Beverly, Mass., assignor to United Shoe Machinery Company, Paterson, N. J. Machine for inserting fastenings. No. 1,054,173; Feb. 25; Gaz. vol. 187; p. 909.
 Cash, Arthur W., Newark, N. J., assignor, by mesne assignments, to Orange Hat Box Company. Hat-packing-ring machine. No. 1,060,740; May 6; Gaz. vol. 190; p. 61.
 Cash, Daniel M. (See Burlando, John A., assignor.)
 Cash, Elisa, Sandpoint, Idaho. Curtain-pole. No. 1,071,877; Sept. 2; Gaz. vol. 194; p. 72.
 Casilli, Ottavio, Newark, N. J. Escaping-gas alarm. No. 1,061,598; May 13; Gaz. vol. 190; p. 392.
 Caskey, Samuel S., assignor to Caskey Valve Company, Philadelphia, Pa. High-pressure gate-valve. No. 1,049,450; Jan. 7; Gaz. vol. 186; p. 45.
 Caskey, Samuel S., Philadelphia, assignor to Caskey Valve Company, Holmesburg, Philadelphia, Pa. Valve mechanism. No. 1,049,451; Jan. 7; Gaz. vol. 186; p. 45.
 Caskey Valve Company. (See Caskey, Samuel S., assignor.)
 Casler, Herman, Canastota, N. Y. Means for improving the definition of photographic lenses. No. 1,082,678; Dec. 30; Gaz. vol. 197; p. 1074.
 Casmire, Bert A., Indianapolis, Ind. Ice-cream freezer. No. 1,053,708; Feb. 18; Gaz. vol. 187; p. 716.
 Cason, Frederick Q. (See Moore, Henry E., assignor.)
 Casper, Rudolph J., and W. W. Clark, Cananea, Mexico. Article of apparel. No. 1,060,229; Apr. 29; Gaz. vol. 189; p. 1128.
 Caspers, Joseph, Lancaster, Wis. Calk-tongs. No. 1,061,047; May 6; Gaz. vol. 190; p. 170.
 Cass, Christopher P., Maplewood, Mo., assignor to The Westinghouse Air Brake Company, Pittsburgh, Pa. Pneumatic slack-adjuster. No. 1,055,444; Mar. 11; Gaz. vol. 188; p. 303.
 Cass, Thomas M., Fort Worth, Tex. Saw-tester. No. 1,052,568; Feb. 11; Gaz. vol. 187; p. 279.
 Cassidy, Charles L., Rodeo, N. Mex. Hat-pin protector. No. 1,060,427; Apr. 29; Gaz. vol. 189; p. 1200.
 Cassard, Hamilton. (See Miller, Andrew E., assignor.)
 Cassard, Hamilton. (See Oylor and Parker, assignors.)
 Cassard, Howard, Baltimore, Md. Refining shellac and its allied lacs. No. 1,066,794; July 8; Gaz. vol. 192; p. 340.
 Cassella Color Company. (See Kalischer, Georg, assignor.)
 Cassella Color Company. (See Nissen and Saul, assignors.)
 Cassidy, Alfred A., Minneapolis, Minn. Dispenser. No. 1,050,339; Jan. 14; Gaz. vol. 186; p. 381.
 Cassidy, Alice A., Des Moines, Iowa. Folding stool. No. 1,064,289; June 10; Gaz. vol. 191; p. 417.
 Cassidy, George W., East Orange, N. J. Portable reading-lamp. No. 1,079,315; Nov. 18; Gaz. vol. 196; p. 777.
 Cassidy, Hugh, Brooklyn, N. Y. Boiler-tube-cleaner nozzle. No. 1,057,707; Apr. 1; Gaz. vol. 189; p. 106.
 Cassidy, Hugh, Brooklyn, N. Y. Swivel-tube coupling. No. 1,075,693; Oct. 14; Gaz. vol. 195; p. 407.
 Cassidy, Thomas F. (See Moore, William J., assignor.)
 Cassity, Isaac N., Topeka, Kans. Engraver's transfer device. No. 1,081,362; Dec. 16; Gaz. vol. 197; p. 565.
 Castañeda, Eduardo, Monterey, Mexico. Disk-casting machine. No. 1,052,651; Feb. 11; Gaz. vol. 187; p. 308.
 Casteel, Ira E. (See Rose and Casteel.)
 Casteel, William D., Louisville, Ky. Combined mail receiving and delivering apparatus. No. 1,056,737; Mar. 18; Gaz. vol. 188; p. 775.
 Castello, Edward B., Chicago, Ill. Vegetable-parer. No. 1,071,603; Aug. 26; Gaz. vol. 193; p. 957.
 Castenholz, Melchior, Cologne, Germany. Making soap in the form of tablets or the like. No. 1,057,931; Apr. 1; Gaz. vol. 189; p. 183.
 Castéran, Jean F., St. Georges les Bains, Charmes, France. Pneumatic tire. No. 1,059,344; Apr. 22; Gaz. vol. 189; p. 789.
 Castets, Louis B., Lalouque, France. Apparatus for the regular and continuous distillation of resins. No. 1,052,214; Feb. 4; Gaz. vol. 187; p. 128.
 Castian, Pierre, Renaix, Belgium. Tanning for the preparation of sole-leather. No. 1,067,796; July 22; Gaz. vol. 192; p. 750.
 Castle, Edward M. (See Mardock, James H., assignor.)
 Castle, Marcus L., Malone, N. Y. Firearm. No. 1,074,046; Sept. 23; Gaz. vol. 194; p. 909.
 Castle, Peter C. D., St. Margaret's-on-Thames, England. Product for use in textile and other manufactures. No. 1,063,118; May 27; Gaz. vol. 190; p. 980.
 Castle, Thomas R., London, England, assignor to Mergenthaler Linotype Company. Mold for line-casting machines. No. 1,057,036; Mar. 25; Gaz. vol. 188; p. 909.
 Castleman, Maurice F., Berryville, Va. Cut-off shade for headlights. No. 1,051,388; Jan. 28; Gaz. vol. 186; p. 808.

Alphabetical list of patentees—Continued.

- Castles, Wesley, Melbourne, Victoria, Australia. Machine for excavating, elevating, and dumping earth, sand, silt, or gravel. No. 1,074,163; Sept. 30; Gaz. vol. 194; p. 978.
- Caswell, Andrew A., Los Angeles, Cal. Railway-tie. No. 1,073,737; Sept. 23; Gaz. vol. 194; p. 806.
- Caswell, William B., Newport, R. I. Window-shade bracket. No. 1,065,589; June 24; Gaz. vol. 191; p. 927.
- Catching, Roy W., Fairview, Mont. Self-dumping bucket. No. 1,079,744; Nov. 25; Gaz. vol. 196; p. 957.
- Catchings, Bob, Jasper, Ala. Automatic air-valve. No. 1,049,992; Jan. 7; Gaz. vol. 186; p. 227.
- Catchpole, Alfred, Geneva, N. Y. Steam-boiler. No. 1,078,187; Nov. 11; Gaz. vol. 196; p. 356.
- Caters, Pierre de, Berchem-les-Antwerp, Belgium. Armor-plate. No. 1,063,957; June 10; Gaz. vol. 191; p. 304.
- Cathcart, Benjamin F., Fresno, Cal. Lawn-sprinkler. No. 1,058,549; Apr. 8; Gaz. vol. 189; p. 441.
- Cathcart, Benjamin F., Fresno, Cal. Rotary pump. No. 1,076,627; Oct. 21; Gaz. vol. 195; p. 760.
- Cathcart, Frank H., Trenton, N. J. Shaft-coupling. No. 1,055,606; Mar. 11; Gaz. vol. 188; p. 355.
- Catlett, Charles, Staunton, Va., and D. Hancock, Birmingham, Ala. Apparatus for drying washed coal and other material. No. 1,056,738; Mar. 18; Gaz. vol. 188; p. 776.
- Catlin, De Forest B., Mankato, Minn. Massage apparatus. No. 1,059,594; Apr. 22; Gaz. vol. 189; p. 874.
- Catlin, Ephron, Jr., assignor of one-half to H. Smith, Jr., St. Louis, Mo. Liquid-container. No. 1,075,762; Oct. 14; Gaz. vol. 195; p. 431.
- Catlin, Seth. (See Sperry, Charles F., assignor.)
- Cato, Dean A. (See Brock, Frank W., assignor.)
- Cato, Dean A., Springfield, Ill. Time-actuated electric switch. No. 1,064,290; June 10; Gaz. vol. 191; p. 418.
- Catucci, Pliny, Newark, N. J., assignor to A. F. Meisselbach & Brother. Phonograph sound-box. No. 1,059,345; Apr. 22; Gaz. vol. 189; p. 790.
- Catucci, Pliny, Newark, N. J., assignor to A. F. Meisselbach & Brother. Gramophone sound-box. No. 1,059,346; Apr. 22; Gaz. vol. 189; p. 790.
- Catucci, Pliny, Newark, N. J., assignor to A. F. Meisselbach & Brother. Sound-box. No. 1,061,729; May 13; Gaz. vol. 190; p. 438.
- Catucci, Pliny, Newark, N. J., assignor to A. F. Meisselbach & Brother. Spring-balance. No. 1,063,242; June 3; Gaz. vol. 191; p. 25.
- Catucci, Pliny, Newark, N. J., assignor to A. F. Meisselbach & Brother. Automatic fishing-reel. No. 1,064,816; June 17; Gaz. vol. 191; p. 631.
- Catucci, Pliny, Newark, N. J., assignor to A. F. Meisselbach & Brother. Phonograph. No. 1,067,405; July 15; Gaz. vol. 192; p. 585.
- Catucci, Pliny, assignor to A. F. Meisselbach & Brother, Newark, N. J. Phonograph. No. 1,077,973; Nov. 11; Gaz. vol. 196; p. 283.
- Catucci, Pliny, Newark, N. J., assignor to A. F. Meisselbach & Brother. Diaphragm for sound-boxes. No. 1,080,953; Dec. 9; Gaz. vol. 197; p. 391.
- Catucci, Pliny, Newark, N. J., assignor to A. F. Meisselbach & Brother. Sound-box. No. 1,080,954; Dec. 9; Gaz. vol. 197; p. 392.
- Catuogno, Frank, New York, N. Y. Necktie-holder. No. 1,075,400; Oct. 14; Gaz. vol. 195; p. 308.
- Caughill, Stephen. (See Scanlon, Michael L., assignor.)
- Caughrean, George H., Ketchikan, Alaska. Cooking device. No. 1,070,775; Aug. 19; Gaz. vol. 193; p. 650.
- Caulfield, Thomas, Baxter, Iowa. Sack. No. 1,058,658; Apr. 8; Gaz. vol. 189; p. 477.
- Causey, Joseph L., Kansas City, Mo. Hydrostatic pipe-testing machine. No. 1,072,912; Sept. 9; Gaz. vol. 194; p. 459.
- Causey, Thomas S., assignor of one-twelfth to W. Dugan, Arlington, Tex. Composition of matter to be introduced into the inner tubes of pneumatic tires for rendering the tires puncture-proof. No. 1,062,535; May 20; Gaz. vol. 190; p. 744.
- Cavagnaro, Nicholas J. (See Cevasco, Cavagnaro, and Ambrette.)
- Cavallar, Domenic A., Clarksburg, W. Va. Folding umbrella. No. 1,063,931; June 3; Gaz. vol. 191; p. 261.
- Cavanagh, Anthony B. (See Worden, Earle M., assignor.)
- Cavanagh, John, Norwalk, Conn. Hat. No. 1,053,973; Feb. 25; Gaz. vol. 187; p. 841.
- Cavanagh, Michael, Vallejo, Cal. Stamping device for flour-packing machines. No. 1,071,604; Aug. 26; Gaz. vol. 193; p. 957.
- Cavanaugh, James F. (See Dow and Cavanaugh.)
- Cave, Daniel B., assignor of one-third to M. A. Cunningham and one-third to L. Crocker, Beatrice, Nebr. Centrifugal separator and amalgamator. No. 1,053,785; Feb. 18; Gaz. vol. 187; p. 741.
- Caven, Alva H., Youngwood, Pa. Electric signal system. No. 1,066,380; July 1; Gaz. vol. 192; p. 167.
- Caven, Trevor M. (See Hughes and Caven.)
- Caven, Trevor M., assignor to A. J. Lindemann & Hoverston Co., Milwaukee, Wis. Electric heating element. No. 1,074,928; Oct. 7; Gaz. vol. 195; p. 116.
- Cavender, Eben, Philadelphia, Pa. Clothes-washing attachment for set tubs. No. 1,080,324; Dec. 2; Gaz. vol. 197; p. 142.
- Caverly, Edward, New York, N. Y. Means for carrying out business systems. No. 1,056,500; Mar. 18; Gaz. vol. 188; p. 694.
- Caves, William, Black River Falls, Wis., and T. J. Sawyer, Albuquerque, N. Mex. Brake for logging-wheels. No. 1,059,031; Apr. 15; Gaz. vol. 189; p. 646.
- Cavette, S. O. (See Beaubien, Robert E., assignor.)
- Cavin, Gustave. (See Casey and Cavin.)
- Cavner, Walter R., Venice, Ill., assignor to Commonwealth Steel Company, St. Louis, Mo. Car end frame. No. 1,073,663; Sept. 23; Gaz. vol. 194; p. 780.
- Cawthon, Hal E., and F. L. Thornton, Seattle, Wash. Racing amusement apparatus. No. 1,064,681; June 10; Gaz. vol. 191; p. 552.
- Cayer, Joseph L., Chicago, Ill. Automobile signaling apparatus. No. 1,081,433; Dec. 16; Gaz. vol. 197; p. 588.
- Cayéré, Joseph, Oakland, Cal. Electric sad-iron. No. 1,071,204; Aug. 26; Gaz. vol. 193; p. 824.
- Cayo, Daniel L., Wooster, Ohio. Buoy for submarine boats. No. 1,071,393; Aug. 26; Gaz. vol. 193; p. 889.
- Cazen, Cnaan de, Montreal, Quebec, Canada. Cigarette-making machine. No. 1,078,034; Nov. 11; Gaz. vol. 196; p. 304.
- Cazier, Perry H., Nashville, assignor to C. S. Travis, Grand Rapids, Mich. Baling-press. No. 1,050,425; Jan. 14; Gaz. vol. 186; p. 410.
- Cebolt, John H., Indianapolis, Ind. Resilient tire. No. 1,058,151; Apr. 8; Gaz. vol. 189; p. 304.
- Cederquist, Nils H., West Alhambra, assignor of one-half to R. A. Pulfer, Los Angeles, Cal. Glazier's joint. No. 1,062,818; May 27; Gaz. vol. 190; p. 880.
- Cederquist, Wilhelmina, New York, N. Y. Adjustable abdominal bandage. No. 1,063,656; June 3; Gaz. vol. 191; p. 169.
- Cederstrom, Peter T., assignor of one-half to A. B. Groskopf, Chicago, Ill. Locking-binge. No. 1,058,842; Apr. 15; Gaz. vol. 189; p. 580.
- Ceglowski, Ceslaw S., Newark, N. J. Nose-bag. No. 1,051,682; Jan. 28; Gaz. vol. 186; p. 907.
- Celene, Charles, Port Orchard, assignor of one-half to M. Auburn, Seattle, Wash. Vermin-trap. No. 1,081,363; Dec. 16; Gaz. vol. 197; p. 565.
- Celfor Tool Company. (See Fredrickson, Oscar, assignor.)
- Celie, Baptiste, and H. C. Ayerst, Portland, Oreg. Combined check and stop valve. No. 1,066,426; July 1; Gaz. vol. 192; p. 180.
- Cell Drier Machine Company. (See Cutter, George A., assignor.)
- Celluloid Company, The. (See Lindsay, William G., assignor.)
- Center, Bert, Watseka, Ill. Controlling mechanism for transmission-gearing. No. 1,054,337; Feb. 25; Gaz. vol. 187; p. 965.
- Centofant, Samuel S., Smiths Basin, N. Y. Vessel emergency-brake. No. 1,078,902; Nov. 18; Gaz. vol. 196; p. 636.
- Central Electric Company. (See Woodhead, Daniel, assignor.)
- Central Oil and Gas Stove Company. (See Wilder, William H., assignor.)
- Central Railway Signal Company. (See Niditch, Isadore, assignor.)
- Central Scientific Company. (See Aronson, Frank, assignor.)
- Central Stamping Co., The. (See Beecher, John, assignor.)
- Central Tool Company, The. (See Jaques, Fernando O., Jr., assignor.)
- Century Stove & Manufacturing Company. (See Munro, Robert, assignor.)
- Cerasoli, Alberto. (See Humphrey and Cerasoli.)
- Cerrato, Francesco. (See Giovannola and Cerrato.)
- Cerruti, Antonio, assignor to California Fruit Canners Association, San Francisco, Cal. Exhaust-box for cans. No. 1,068,565; July 29; Gaz. vol. 192; p. 1050.
- Cevasco, James, and N. J. Cavagnaro, Brooklyn, and C. Ambrette, New York, N. Y. Valve mechanism. No. 1,072,822; Sept. 9; Gaz. vol. 194; p. 424.
- Chace, E. P. (See Sullivan, William H., assignor.)
- Chace, John E., South Attleboro, Mass. Bobbin-carrier for braiding-machines. No. 1,052,215; Feb. 4; Gaz. vol. 187; p. 129.
- Chadborn, Frederic C., Newburgh, N. Y. Burner. No. 1,079,327; Nov. 25; Gaz. vol. 196; p. 812.
- Chaddock, Charles E., Magnolia, and R. G. Chaddock, Cleveland, assignors of one-third to G. A. Kurz, Zanesville, Ohio. Glove. (Reissue.) No. 13,524; Feb. 11; Gaz. vol. 187; p. 477.
- Chaddock, Richard G. (See Chaddock, Charles E. and R. G.) (Reissue.)
- Chadeloid Chemical Company. (See Ellis, Carleton, assignor.)
- Chadwick, Francis C., Hartford, Conn., assignor to Savage Arms Company, Utica, N. Y. Cartridge-adaptor for firearms. No. 1,061,265; May 13; Gaz. vol. 190; p. 276.
- Chadwick, George C., Melbourne, Victoria, Australia. Apparatus for unloading vessels. No. 1,064,443; June 10; Gaz. vol. 191; p. 471.

Alphabetical list of patentees—Continued.

- Chadwick, Leonard B., Chelsea, assignor to General Supplies Company, Boston, Mass. Pencil-sharpener. No. 1,079,312; Nov. 18; Gaz. vol. 196; p. 775.
- Chadwick, Lewis, Nelsonville, Ohio. Mine-pump. No. 1,078,126; Nov. 11; Gaz. vol. 196; p. 335.
- Chadwick, Robert W., Davisville, Ontario, Canada. Utensil. No. 1,063,911; June 3; Gaz. vol. 191; p. 254.
- Chaffee, Edward F., assignor to O. M. Edwards, Syracuse, N. Y. Car-vestibule curtain-fixture. No. 1,051,195; Jan. 21; Gaz. vol. 186; p. 710.
- Chaffee, Edward F., Albany, assignor to O. M. Edwards, Syracuse, N. Y. Window. No. 1,077,039; Oct. 28; Gaz. vol. 195; p. 958.
- Chaffee, Frank W., Albany, N. Y. Car-door fastener. No. 1,083,001; Dec. 30; Gaz. vol. 197; p. 1185.
- Chaiken, Marcus, Chicago, Ill. Dress-fastener. No. 1,057,527; Apr. 1; Gaz. vol. 189; p. 44.
- Chaimovitsch, Isaac, Chicago, Ill. Pneumatic brush. No. 1,076,549; Oct. 21; Gaz. vol. 195; p. 731.
- Chainey, Emanuel, assignor of one-half to J. Akrigg, Florence, Wis. Saw-set. No. 1,059,347; Apr. 22; Gaz. vol. 189; p. 791.
- Chalfant, Herman S., Balston Spa, N. Y. Wood-grinding machine. No. 1,078,415; Nov. 11; Gaz. vol. 196; p. 438.
- Chalkley, Horace L., *et al.* (See Hedges, James E., assignor.)
- Chalkley, John A., *et al.* (See Hedges, James E., assignor.)
- Challenge Company. (See Lewis, Robert L., assignor.)
- Chalmers-Detroit Motor Company. (See Utz, John G., assignor.)
- Chalmers, Harry B., Schenectady, N. Y., assignor to L. B. Dunham, Elizabeth, N. J. Paint and varnish remover. No. 1,066,251; July 1; Gaz. vol. 192; p. 124.
- Chalmers, Harry B., Quogue, assignor to L. B. Dunham, New York, N. Y. Paint and varnish remover. No. 1,079,635; Nov. 25; Gaz. vol. 196; p. 918.
- Chalmers, John, Quincy, Mass. Transmission-gearing. No. 1,081,092; Dec. 9; Gaz. vol. 197; p. 434.
- Chalmers Motor Company. (See Coffin, Howard E., assignor.)
- Chalmers Motor Company. (See Dunham, George W., assignor.)
- Chamberlain, Charles H., Bellefontaine, Ohio. Headlight-cover. No. 1,050,612; Jan. 14; Gaz. vol. 186; p. 476.
- Chamberlain Company, The. (See Marks, Frank R., assignor.)
- Chamberlain, Leonard W., Boston, Mass. Inner or slip sole. No. 1,050,807; Jan. 21; Gaz. vol. 186; p. 574.
- Chamberlain, Rufus N., Chicago, and S. J. Hall, Hinsdale, Ill., assignors to Gould Storage Battery Company. Electrode. No. 1,075,897; Oct. 14; Gaz. vol. 195; p. 476.
- Chamberland, Frank A., Lynn, Mass. Combination curtain-bracket. No. 1,060,741; May 6; Gaz. vol. 190; p. 61.
- Chamberlin, Benjamin F., Jr. (See Blanchard and Chamberlin.)
- Chamberlin, Charles P., and F. Miller, Calgary, Alberta, Canada. Door-hanger. No. 1,075,089; Oct. 7; Gaz. vol. 195; p. 172.
- Chamberlin, Newton F., Libertyville, assignor of one-half to F. E. Marsh, Prairie View, Ill. Motor-plow. No. 1,071,205; Aug. 26; Gaz. vol. 193; p. 825.
- Chambers, A. M. (See McKnight, William M., assignor.)
- Chambers Brothers Company. (See King, Howard K., assignor.)
- Chambers, Charles A. and W. R. Pease, Mo. Rail-joint. No. 1,059,831; Apr. 22; Gaz. vol. 189; p. 951.
- Chambers, Edgar V., and T. C. Hammond, Huddersfield, England. Apparatus for separating and recovering fibers and the like from liquids. No. 1,079,975; Dec. 2; Gaz. vol. 197; p. 19.
- Chambers, George J., Denver, Colo. Holder for garden-hose. No. 1,051,083; Jan. 21; Gaz. vol. 186; p. 672.
- Chambers, Harry H., Fort Collins, Colo. Shoe-cleaner. No. 1,059,032; Apr. 15; Gaz. vol. 189; p. 647.
- Chambers, J. B., *et al.* (See Dennison, Charles R., assignor.)
- Chambers, James M., assignor of two-thirds to J. M. Maxwell and C. O. Longley, Twin Falls, Idaho. Air-valve. No. 1,075,332; Oct. 14; Gaz. vol. 195; p. 283.
- Chambers, John A., assignor of one-fourth to C. Moore and one-fourth to R. Dowell, Newburg, Mo. Apparatus for receiving and delivering mail. No. 1,082,498; Dec. 30; Gaz. vol. 197; p. 1008.
- Chambers, John H. (See Mowbray, James W., assignor.)
- Chambers, Levi, Bicknell, Ind. Harrow. No. 1,059,832; Apr. 22; Gaz. vol. 189; p. 952.
- Chambers, Lincoln B., Fort Columbia, Wash. Sheet-music-turning device. No. 1,079,838; Nov. 25; Gaz. vol. 196; p. 990.
- Chambers, Nelson, H. A. McCoy, T. G. Anderson, and C. Webb, Hamilton, Ontario, Canada. Transmission device for motor-cycles. No. 1,059,275; Apr. 15; Gaz. vol. 189; p. 729.
- Chambers, O. J., *et al.* (See Runnion, Alonzo, assignor.)
- Chambers, Walter R. (See Chambers, Charles A. and W. R.)
- Chambers, William G., assignor to The National Cash Register Company, Dayton, Ohio. Cash-register. No. 1,062,767; May 27; Gaz. vol. 190; p. 863.
- Chambersburg Engineering Company. (See Derbyshire, Harry E., assignor.)
- Chambersburg Engineering Company. (See Derbyshire, Henry E., assignor.)
- Chambless, Ben Y. (See Robison, William N., assignor.)
- Chambley, Alexander, Philadelphia, Pa. Ventilated prism. No. 1,083,056; Dec. 30; Gaz. vol. 197; p. 1201.
- Champ, Joseph H., Cleveland, Ohio. Air-pump. No. 1,068,218; July 22; Gaz. vol. 192; p. 893.
- Champ, Joseph H., assignor to The Standard Welding Company, Cleveland, Ohio. Demountable rim. No. 1,061,816; May 13; Gaz. vol. 190; p. 462.
- Champ, Joseph H., assignor to The Bishop & Babcock Company, Cleveland, Ohio. Bottle-filling machine. No. 1,074,585; Sept. 30; Gaz. vol. 194; p. 1116.
- Champ, Joseph H., and T. H. Schutt, assignors to The Bishop-Babcock-Becker Company, Cleveland, Ohio. Liquid-dispensing device. No. 1,075,898; Oct. 14; Gaz. vol. 195; p. 477.
- Champion, Charles S. (See Kemble and Underhill, assignors.)
- Champion Forging Machine Company, The. (See Brown, Carl, assignor.)
- Champion Ignition Company. (See Schmidt, Albert, assignor.)
- Champion, James E., *et al.* (See Champion, James P., assignor.)
- Champion, James P., assignor of one-third to J. H. Champion and one-third to J. E. Champion, Chipley, Ga. Vehicle-wheel. No. 1,078,256; Nov. 11; Gaz. vol. 196; p. 380.
- Champion, Jessie H., *et al.* (See Champion, James P., assignor.)
- Champion Machinery Company. (See Carroll, Philip F., assignor.)
- Champion Potato Machinery Company. (See Knoerzer, Otto, assignor.)
- Champion Register Company, The. (See Miller, Joseph, assignor.)
- Champion, Rody A., Denison, Iowa. Beer-faucet. No. 1,051,554; Jan. 28; Gaz. vol. 186; p. 865.
- Champion Shoe Machinery Company. (See Corcoran and Dobyne, assignors.)
- Champion Shoe Machinery Company. (See Dobyne, George A., assignor.)
- Champion Shoe Machinery Company. (See Dobyne, George A. and S. A., assignors.)
- Champion Shoe Machinery Company. (See Dobyne, Stephen A., assignor.)
- Champion Shoe Machinery Company. (See Dobyne, Stephen A. and G. A., assignors.)
- Champion Ventilator Company. (See Vaughn and Brunninga, assignors.)
- Champion Wagon Company. (See Steele, James R., Jr., assignor.)
- Chanal, Emile, New York, N. Y. Adjustable bracket. No. 1,057,932; Apr. 1; Gaz. vol. 189; p. 183.
- Chance, Henry M. (See McBean and Chance.)
- Chance and Hunt. (See Hunt and Gidden, assignors.)
- Chance, Thomas M., Philadelphia, Pa. Apparatus for pumping liquids. No. 1,079,898; Nov. 25; Gaz. vol. 196; p. 1011.
- Chancellor, Leonidas M. and S. D., Wilmington, Ohio. Die for forming wheel-rim sections. No. 1,069,919; Aug. 12; Gaz. vol. 193; p. 316.
- Chancellor, Sullivan D. (See Chancellor, Leonidas M. and S. D.)
- Chandler, Daniel L., Ayer, Mass. Bristle-tuft holder. No. 1,049,341; Jan. 7; Gaz. vol. 186; p. 8.
- Chandler, Daniel L., Ayer, Mass. Tooth-brush. No. 1,055,607; Mar. 11; Gaz. vol. 188; p. 355.
- Chandler, Edgar J., Everett, Wash. Nut-splitter. No. 1,069,528; Aug. 5; Gaz. vol. 193; p. 153.
- Chandler, Edward F. (See Callahan and Chandler.)
- Chandler, Edwin M., Salt Lake City, Utah. Pencil, book, and card-holder. No. 1,060,666; May 6; Gaz. vol. 190; p. 34.
- Chandler, Elbert G., Portland, Oreg. Log-bunk. No. 1,066,795; July 8; Gaz. vol. 192; p. 340.
- Chandler Engine Valve Company. (See Chandler, Milford G., assignor.)
- Chandler, John T., assignor of one-half to J. L. Harber, Granbury, Tex. Insect-trap. No. 1,073,793; Sept. 23; Gaz. vol. 194; p. 824.
- Chandler, Milford G., assignor to Chandler Engine Valve Company, Chicago, Ill. Rotary valve for internal-combustion engines. No. 1,080,892; Dec. 9; Gaz. vol. 197; p. 371.
- Chandler, Roy, Havre, Mont. Fish-guard. No. 1,080,415; Dec. 2; Gaz. vol. 197; p. 176.
- Chaney, Carlton, Glenwood, Ind. Traveling fan. No. 1,078,609; Nov. 18; Gaz. vol. 196; p. 533.
- Chango Locke Heel Company. (See Hazeltine, Harry H., assignor.)
- Channell, Llewellyn W. (See Batson and Channell.)
- Channon, James. (See Finch, Albert E. W., assignor.)

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- Channon, William, Des Moines, Iowa. Miner's drill. No. 1,055,608; Mar. 11; Gaz. vol. 188; p. 355.
- Chantry, Ralph E., Big Arm, Mont. Horse-releasing device. No. 1,049,993; Jan. 7; Gaz. vol. 186; p. 227.
- Chapeaurouge, Paul de. (See Unverricht, Eduard, assignor.)
- Chapin, Frederick R., Detroit, Mich., assignor to Western Electric Company, Chicago, Ill. Resetting device for heat-coils. No. 1,059,348; Apr. 22; Gaz. vol. 189; p. 791.
- Chapin, Gardner S., Chicago, Ill. Pipe-coupling. No. 1,057,708; Apr. 1; Gaz. vol. 189; p. 107.
- Chapin, Henry S., Rockville Center, N. Y. Apparatus for treating pipe-bowls. No. 1,076,867; Oct. 28; Gaz. vol. 195; p. 897.
- Chapin, Jay, Edgewood borough, assignor to Jas. H. Matthews & Co., Pittsburgh, Pa. Wall-sign structure. No. 1,057,117; Mar. 25; Gaz. vol. 188; p. 936.
- Chapin, Jay, Edgewood borough, assignor to Jas. H. Matthews & Co., Pittsburgh, Pa. Sill-sign structure. No. 1,079,469; Nov. 25; Gaz. vol. 196; p. 860.
- Chapin, John J., Detroit, Mich. Motor-cycle. No. 1,077,974; Nov. 11; Gaz. vol. 196; p. 283.
- Chapin, John J., assignor to Burroughs Adding Machine Company, Detroit, Mich. Tabulating mechanism. No. 1,063,181; June 3; Gaz. vol. 191; p. 4.
- Chapin, John J., assignor to Burroughs Adding Machine Company, Detroit, Mich. Type-writer paper-feed mechanism. No. 1,067,304; July 15; Gaz. vol. 192; p. 551.
- Chapin, Mason I., Grand Valley, Colo. Head-gate for irrigation-ditches. No. 1,059,116; Apr. 15; Gaz. vol. 189; p. 676.
- Chapman, Alonzo F., assignor of one-third to L. Meurer and one-third to W. Meurer, St. Louis, Mo. Clothes-line reel and stretcher. No. 1,055,517; Mar. 11; Gaz. vol. 188; p. 326.
- Chapman, Byron V., Newberry, S. C. Hat-pin guard. No. 1,081,888; Dec. 16; Gaz. vol. 197; p. 739.
- Chapman, Charles H., assignor to Chapman Gravity Spindle Company, Winchester, Mass. Spinning-spindle. No. 1,061,266; May 13; Gaz. vol. 190; p. 276.
- Chapman, Charles H., assignor to Chapman Gravity Spindle Company, Winchester, Mass. Spinning-spindle. No. 1,061,267; May 13; Gaz. vol. 190; p. 277.
- Chapman, Charles H., assignor to Chapman Gravity Spindle Company, Winchester, Mass. Spinning-spindle. No. 1,072,573; Sept. 9; Gaz. vol. 194; p. 338.
- Chapman, Charles H., assignor to Chapman Gravity Spindle Company, Winchester, Mass. Spinning-spindle. No. 1,075,461; Oct. 14; Gaz. vol. 195; p. 329.
- Chapman, Cyrus D. (See Shaw and Chapman.)
- Chapman, Edward H., San Francisco, Cal. Nut-tapping machine. No. 1,077,595; Nov. 4; Gaz. vol. 196; p. 122.
- Chapman Engineering Co. (See Chapman, William B., assignor.)
- Chapman, Eugene M., and C. E. Cowan, Holyoke, Mass. Truck. No. 1,081,093; Dec. 9; Gaz. vol. 197; p. 434.
- Chapman, Everett B., Boston, assignor to S. A. Campbell, Newton, Mass. Horn or whistle. No. 1,052,886; Feb. 11; Gaz. vol. 187; p. 388.
- Chapman, Frank H., and O. E. Kenney, assignors to The Yost Electric Manufacturing Company, Toledo, Ohio. Attachment-plug for electric circuits. No. 1,080,325; Dec. 2; Gaz. vol. 197; p. 142.
- Chapman, Frank H., and O. E. Kenney, assignors to The Yost Electric Manufacturing Company, Toledo, Ohio. Attachment-plug for electric circuits. No. 1,080,326; Dec. 2; Gaz. vol. 197; p. 142.
- Chapman, Frank H., and O. E. Kenney, assignors to The Yost Electric Manufacturing Company, Toledo, Ohio. Attachment-plug for electric circuits. No. 1,080,327; Dec. 2; Gaz. vol. 197; p. 143.
- Chapman, George A., and S. Tucker, assignors to Minerals Separation Limited, London, England. Ore concentration. No. 1,079,107; Nov. 18; Gaz. vol. 196; p. 707.
- Chapman Gravity Spindle Company. (See Chapman, Charles H., assignor.)
- Chapman, James. (See Clark and Chapman.)
- Chapman, James L. (See Morden and Chapman.)
- Chapman, James W., Kingman, Ariz., assignor of one-half to J. L. Williams, Los Angeles, Cal. Railway-tie plate. No. 1,067,305; July 15; Gaz. vol. 192; p. 551.
- Chapman, Leo M., Chicago, Ill. Line-casting machine. No. 1,057,803; Apr. 1; Gaz. vol. 189; p. 139.
- Chapman, Matthew T., assignor to The American Well Works, Aurora, Ill. Well-sinking apparatus. No. 1,079,396; Nov. 25; Gaz. vol. 196; p. 836.
- Chapman, Matthew T., assignor to The American Well Works, Aurora, Ill. Well-sinking apparatus. No. 1,079,539; Nov. 25; Gaz. vol. 196; p. 884.
- Chapman, Oliver E., Sharon, Mass. Device for destroying flies. No. 1,081,364; Dec. 16; Gaz. vol. 197; p. 566.
- Chapman, Richard D. (See Chrystle and Chapman.)
- Chapman, William B., assignor to Chapman Engineering Co., New York, N. Y. Gas-producer. No. 1,049,994; Jan. 7; Gaz. vol. 186; p. 228.
- Chapman, William L., New York, N. Y. Fountain-pen. No. 1,080,099; Dec. 2; Gaz. vol. 197; p. 63.
- Chapman, William L., Brooklyn, assignor to Modern Pen Company, New York, N. Y. Pocket-clip. No. 1,075,815; Oct. 14; Gaz. vol. 195; p. 449.
- Chappel, James M., New York, N. Y., assignor, by mesne assignments, to Premier Electric Company. Time-switch. No. 1,052,408; Feb. 4; Gaz. vol. 187; p. 192.
- Chappell, Howard F., New York, N. Y. Manufacture of sulfate of potash and alumina. No. 1,070,324; Aug. 12; Gaz. vol. 193; p. 455.
- Chappell, Howard F., New York, N. Y. Purifying alumina. No. 1,079,899; Nov. 25; Gaz. vol. 196; p. 1012.
- Chappell, Howard F., New York, and G. E. Cohen, Brooklyn, N. Y.; said Cohen assignor to said Chappell. Purifying alumina. No. 1,079,900; Nov. 25; Gaz. vol. 196; p. 1012.
- Chappell, John F., et al. (See Young, Champ C., assignor.)
- Chappell, Thomas E., assignor to Phillips Manufacturing Company, New York, N. Y. Machine for trimming commutators. No. 1,072,410; Sept. 2; Gaz. vol. 194; p. 252.
- Chapple, James, Cleveland, Ohio. Lawn-mower. No. 1,058,843; Apr. 15; Gaz. vol. 189; p. 580.
- Chardell, James J., and D. D. Antinazzi, Hazleton, Pa. Dish-washing machine. No. 1,070,012; Aug. 12; Gaz. vol. 193; p. 347.
- Charet, Israel, New York, N. Y. Scale. No. 1,078,416; Nov. 11; Gaz. vol. 196; p. 438.
- Charet, Israel, New York, N. Y. Scale. No. 1,078,417; Nov. 11; Gaz. vol. 196; p. 438.
- Charles Bolzau & Son. (See Dorn, Otto, assignor.)
- Charles, Clyde C., Hoisington, Kans. Neckband-pressing machine. No. 1,059,833; Apr. 22; Gaz. vol. 189; p. 952.
- Charles Cory & Son. (See Wood, Frank W., assignor.)
- Charles E. Hancock Company. (See Patten, Charles H., assignor.)
- Charles E. Hires Company, The. (See Calvert, Frank W., assignor.)
- Charles E. Reed & Company. (See Noel, Hal, assignor.)
- Charles E. Reed & Company. (See Reed, Charles E., assignor.)
- Charles Eneu Johnson & Company. (See Griffin, Harry S., assignor.)
- Charles F. Elms Engineering Works. (See Slater, Harvey, assignor.)
- Charles, John P., Laporte City, Iowa. Dish-washing machine. No. 1,069,673; Aug. 12; Gaz. vol. 193; p. 231.
- Charles, Oscar J., San Antonio, Tex. Incinerator. No. 1,056,259; Mar. 18; Gaz. vol. 188; p. 612.
- Charles, Sewall L., Neillsville, Wis. Sleigh attachment for automobiles. No. 1,054,673; Mar. 4; Gaz. vol. 188; p. 7.
- Charleston, Andrew, Chicago, Ill. Ink-fountain. No. 1,066,709; July 8; Gaz. vol. 192; p. 311.
- Charley, John J., Malvern, Victoria, Australia, and F. Lamplough, Willesden Junction, London, England; said Lamplough assignor to said Charley. Spring suspension for vehicles. No. 1,049,452; Jan. 7; Gaz. vol. 186; p. 46.
- Charlier, Joseph G., Everett, Wash. Educational device. No. 1,052,460; Feb. 11; Gaz. vol. 187; p. 244.
- Charls, George H., Middletown, Ohio, assignor to The American Rolling Mill Company, Newark, N. J. Sheet-metal culvert. No. 1,083,002; Dec. 30; Gaz. vol. 197; p. 1185.
- Charlton, Thomas, Philadelphia, Pa. Tool-holder. No. 1,053,941; Feb. 18; Gaz. vol. 187; p. 792.
- Charney, Aaron, Lynn, Mass. Glove. No. 1,069,110; Aug. 5; Gaz. vol. 193; p. 7.
- Charpentier, Gilbert. (See Fouque and Charpentier.)
- Charron, Walter E., and L. N. Richard, Ottawa, Ontario, Canada. Door-frame. No. 1,067,306; July 15; Gaz. vol. 192; p. 551.
- Charter, James A., Chicago, Ill. Combustion-engine. No. 1,081,017; Dec. 9; Gaz. vol. 197; p. 411.
- Charter, John, Whitman, Mass. Vehicle. No. 1,057,479; Apr. 1; Gaz. vol. 189; p. 29.
- Chartier, Arthur N., Dorchester, Mass. Thread-cop. No. 1,066,466; July 8; Gaz. vol. 192; p. 225.
- Chas. Keller & Co. (See Schuetz, Herman C., assignor.)
- Chas. Polacheck & Bro. Co. (See Polacheck, Arthur, assignor.)
- Chase, Alice S., administratrix. (See Sullivan, William H.)
- Chase, Augustus C., Beverly, Mass., assignor to United Shoe Machinery Company, Paterson, N. J. Lock-stitch sewing-machine. No. 1,076,951; Oct. 28; Gaz. vol. 195; p. 927.
- Chase, Aurin M., Syracuse, N. Y. Internal-combustion engine. No. 1,051,986; Feb. 4; Gaz. vol. 187; p. 47.
- Chase & Baker Company. (See Bayer, William F., assignor.)
- Chase, Charles A., Irvington, N. J. Folding box. No. 1,058,408; Apr. 8; Gaz. vol. 189; p. 394.
- Chase, Doty D., Freeville, N. Y. Grain-door for box-cars. No. 1,069,111; Aug. 5; Gaz. vol. 193; p. 8.
- Chase, Edward S., Reading, Pa., assignor to Pacific Flush Tank Company, Chicago, Ill. Siphon. No. 1,078,995; Nov. 18; Gaz. vol. 196; p. 668.

Alphabetical list of patentees—Continued.

- Chase, Frank E., Tonawanda, assignor of one-fourth to J. H. Mundie, North Tonawanda, N. Y. Pool-ball frame. No. 1,052,461; Feb. 11; Gaz. vol. 187; p. 244.
- Chase, Frank H., Chicago, Ill. Refrigerator. No. 1,056,885; Mar. 25; Gaz. vol. 188; p. 855.
- Chase, Frank H., assignor to Standard Earth Auger Co., Chicago, Ill. Expansion earth-auger. No. 1,076,817; Oct. 28; Gaz. vol. 195; p. 879.
- Chase, Frank R., and A. L. Siebenthaler, assignors to D. W. McCarthy, Cincinnati, Ohio. Coin-operated weighing and vending machine. No. 1,049,342; Jan. 7; Gaz. vol. 186; p. 8.
- Chase, Grant. (See Stevens, Sidney M., assignor.)
- Chase, Henry B., Ithaca, N. Y. Ice-creeper. No. 1,052,038. Feb. 4; Gaz. vol. 187; p. 67.
- Chase, Irwin, assignor to Electric Launch Company, Bayonne, N. J. Hydroplane-boat. No. 1,050,517; Jan. 14; Gaz. vol. 186; p. 441.
- Chase, Philip J., Los Angeles, Cal. Signal-display. No. 1,058,219; Apr. 8; Gaz. vol. 189; p. 327.
- Chase, Rodney G., West Medford, Mass. Metal tread. No. 1,076,017; Oct. 21; Gaz. vol. 195; p. 546.
- Chase Rolling Mill Co. (See Summey, David L., assignor.)
- Chase-Shawmut Company. (See Conant, Franklin N., assignor.)
- Chase, Theodore W., Barnet, Vt. Beating-engine. No. 1,060,585; May 6; Gaz. vol. 190; p. 7.
- Chase, Walter L. (See Gardner and Chase.)
- Chase, Wilfred O., Detroit, Mich. Device for preventing liquid from freezing in tanks. No. 1,061,525; May 13; Gaz. vol. 190; p. 366.
- Chassaing, Frank X. (See Shiras and Chassaing.)
- Chaswill Manufacturing Company. (See Wende, Charles and W., assignors.)
- Chatain, Henri G., Erie, Pa., assignor to General Electric Company. Locomotive. No. 1,076,407; Oct. 21; Gaz. vol. 195; p. 682.
- Chatain, Henri G., Erie, Pa., assignor to General Electric Company. Means for supporting engines. No. 1,080,748; Dec. 9; Gaz. vol. 197; p. 320.
- Chatfield, Franklin, Minneapolis, Minn. Roller-iron. No. 1,053,572; Feb. 18; Gaz. vol. 187; p. 669.
- Chatfield, James M., and K. W. Hallden, Thomaston, Conn. Machine for overhauling metal. No. 1,051,084; Jan. 21; Gaz. vol. 186; p. 673.
- Chattelle, Lorenzo A. (See Cahill and Chattelle.)
- Chatterton, Charles K., assignor of one-fourth to P. Knapp, Long Prairie, Minn. Fan attachment for smoke-stacks. No. 1,072,698; Sept. 9; Gaz. vol. 194; p. 380.
- Chaumat, Achille, Fresnoy-le-Grand, assignor to Compagnie Francaise Des Applications De La Cellulose, Paris, France. Preparation of concentrated solutions of cellulose. No. 1,062,222; May 20; Gaz. vol. 190; p. 642.
- Chavarria, Frank H., San Jose, Cal. Drip-cup for umbrellas. No. 1,068,566; July 29; Gaz. vol. 192; p. 1051.
- Cheape, John A., assignor to Match Saver Company, Charlottesville, Va. Match-box holder. No. 1,057,480; Apr. 1; Gaz. vol. 189; p. 29.
- Cheatham, Chester W., assignor of one-third to R. A. O'Hara, Hamilton, Mont. Measuring-weir. No. 1,059,834; Apr. 22; Gaz. vol. 189; p. 952.
- Cheatham Electric Switching Device Company. (See Olmsted, Elmer S., assignor.)
- Cheek, Asa S., Charlotte, N. C. Spring-motor. No. 1,058,409; Apr. 8; Gaz. vol. 189; p. 394.
- Cheesbrough, Richard W. (See Freeman and Cheesbrough.)
- Cheeseman, Lewis, Glenburn, Pa., assignor to Witherbee, Sherman & Co., Port Henry, N. Y. Sweetening and fertilizing the soil. No. 1,076,818; Oct. 28; Gaz. vol. 195; p. 880.
- Cheeseman, William W., Cincinnati, Ohio. Automobile-wheel. No. 1,055,709; Mar. 11; Gaz. vol. 188; p. 389.
- Cheesman, James E., South Orange, N. J., assignor to Empire Duplex Gin Company, New York, N. Y. Apparatus for treating lint. No. 1,056,260; Mar. 18; Gaz. vol. 188; p. 612.
- Cheffins, Harold W. J. (See Hope and Cheffins.)
- Chehey, Stephen F., Cleveland, Ohio. Base for display-forms. No. 1,072,087; Sept. 2; Gaz. vol. 194; p. 143.
- Chellis, Eugene D., deceased; G. L. Brooks, Portland, Me., administrator, assignor to National Metal Seal Corporation, Boston, Mass. Crimping-tool. No. 1,067,797; July 22; Gaz. vol. 192; p. 750.
- Chemical Products Company. (See Mork, Harry S., assignor.)
- Chemisch Technologische Studiengesellschaft mit beschränkter Haftung. (See Spalteholz and Haring, assignors.)
- Chemische Fabrik auf Actien (vorm. E. Schering). (See Loose, Anton, assignor.)
- Chemische Fabrik auf Actien (vorm. E. Schering). (See Rehländer, Paul, assignor.)
- Chemische Fabrik auf Actien (vorm. E. Schering). (See Stephan, Karl, assignor.)
- Chemische Fabrik auf Actien (vorm. E. Schering). (See Thiele, Albrecht, assignor.)
- Chemische Fabrik auf Actien (vorm. E. Schering). (See Thiele and Wichmann, assignors.)
- Chemische Fabrik auf Actien (vorm. E. Schering). (See Witte, Erhard, assignor.)
- Chemische Fabrik Germania Gesellschaft mit beschränkter Haftung. (See Koss, Morduch, assignor.)
- Chemische Fabrik Griesheim-Elektron. (See Gottschalk, Werner, and Gast, assignors.)
- Chemische Fabrik Griesheim-Elektron. (See Grünstein, Nathan, assignor.)
- Chemische Fabrik Griesheim-Elektron. (See Laska and Rath, assignors.)
- Chemische Fabrik Griesheim-Elektron. (See Münch, Gustav, assignor.)
- Chemische Fabrik Griesheim-Elektron. (See Singer, Fritz, assignor.)
- Chemische Fabrik Griesheim Elektron. (See Stock, Alfred, assignor.)
- Chemische Fabrik Greisheim-Elektron. (See Zitscher and Rath, assignors.)
- Chemische Fabrik Grünau Landshoff and Meyer Aktiengesellschaft, The. (See Arndt, Kurt, assignor.)
- Chemische Fabrik von Heyden, Aktiengesellschaft. (See Seifert and Todtenhaupt, assignors.)
- Cheneau, Louis J. J., Paris, France. Nut-lock. No. 1,071,508; Aug. 26; Gaz. vol. 193; p. 926.
- Chenault, George N., Forney, Tex. Cotton-chopper. No. 1,053,276; Feb. 18; Gaz. vol. 187; p. 566.
- Chenette, Albert, St. Ours, Quebec, Canada. Hay-press. No. 1,066,467; July 8; Gaz. vol. 192; p. 225.
- Chenette, Jesse E., Montpelier, Vt. Double runner. No. 1,079,164; Nov. 18; Gaz. vol. 196; p. 728.
- Cheney, George M., Southbridge, Mass. Loom shuttle and spindle. No. 1,054,391; Feb. 25; Gaz. vol. 187; p. 984.
- Cheney, George M., Southbridge, Mass. Self-threading shuttle. No. 1,063,316; July 22; Gaz. vol. 192; p. 928.
- Cheney, Herbert W., Milwaukee, Wis., assignor to Allis-Chalmers Company. Switch-operating mechanism. No. 1,052,409; Feb. 4; Gaz. vol. 187; p. 193.
- Cheney, John A., Shenandoah, Iowa. End-gate cleat. No. 1,066,996; July 8; Gaz. vol. 192; p. 408.
- Cheney, Jonas K., and I. F. Purdy, Chicago, Ill. Powder-pad. No. 1,055,134; Mar. 4; Gaz. vol. 188; p. 163.
- Chenoweth, John H., Chicago, Ill. Sewing-machine attachment. No. 1,055,319; Mar. 11; Gaz. vol. 188; p. 259.
- Chenoweth, John H., Chicago, Ill. Hat-chuck. No. 1,060,667; May 6; Gaz. vol. 190; p. 35.
- Chenoweth, Isaac E., Rodeo, N. Mex. Combined fence-post and wire-fastener. No. 1,064,709; June 17; Gaz. vol. 191; p. 597.
- Cherbonnier, George C., Ferguson, assignor to American Car and Foundry Company, St. Louis, Mo. Car-door-operating mechanism. No. 1,054,674; Mar. 4; Gaz. vol. 188; p. 8.
- Cherney, Anton F., Chicago, assignor of one-half to G. L. Wilson, Oak Park, Ill. Cooking utensil. No. 1,054,745; Mar. 4; Gaz. vol. 188; p. 31.
- Cherry, Cooper D. (See Irwin, Edmond J., assignor.)
- Cherry, Felix F., Aurora, N. C. Fertilizer-distributor. No. 1,072,823; Sept. 9; Gaz. vol. 194; p. 425.
- Cherry, John H., and L. R. Melendy, assignors to The Kelly Manufacturing Company, Waterloo, Iowa. Road-drag. No. 1,073,664; Sept. 23; Gaz. vol. 194; p. 780.
- Cherry, Louis, Brooklyn, N. Y. Bottle-siphon. No. 1,057,118; Mar. 25; Gaz. vol. 188; p. 936.
- Cherry, Moses, Jr., Larchmont Manor, N. Y. Wardrobe-trunk. No. 1,078,715; Nov. 18; Gaz. vol. 196; p. 571.
- Cherry, Thomas E., Revere, Mass. Multiple pump. No. 1,052,569; Feb. 11; Gaz. vol. 187; p. 279.
- Chesapeake Addressing Company, The. (See Hanrahan, John E., assignor.)
- Chesebro, Erastus D., assignor to The Atwood Machine Company, Stonington, Conn. Spindle-retaining device. No. 1,071,297; Aug. 26; Gaz. vol. 193; p. 856.
- Chesebro, Whitman Company, The. (See Faulker, Albert N., assignor.)
- Chesher, Harry, Philadelphia, Pa. Nut-lock. No. 1,082,734; Dec. 30; Gaz. vol. 197; p. 1093.
- Chesher, Harry, Philadelphia, Pa. Nut-lock. No. 1,082,735; Dec. 30; Gaz. vol. 197; p. 1093.
- Cheshire, Carey A., Des Moines, Iowa. Feeding mechanism. No. 1,073,215; Sept. 16; Gaz. vol. 194; p. 601.
- Cheshire, Carey A., Des Moines, Iowa. Feeding mechanism. No. 1,077,390; Nov. 4; Gaz. vol. 196; p. 52.
- Chesney, John, Melita, Manitoba, Canada. Motor-sleigh. No. 1,055,609; Mar. 11; Gaz. vol. 188; p. 355.
- Chess, Harvey B., Jr., Pittsburgh, Pa. Expanding sheet metal. No. 1,059,710; Apr. 22; Gaz. vol. 189; p. 912.
- Chester, Frank E., Providence, R. I. Sinkers. No. 1,068,409; July 29; Gaz. vol. 192; p. 998.
- Chester, Frank E., Providence, R. I. Forming cork balls. No. 1,074,835; Oct. 7; Gaz. vol. 195; p. 84.
- Chevola, Henry, Jr., New York, N. Y. Window-sash lock. No. 1,049,671; Jan. 7; Gaz. vol. 186; p. 121.
- Chevrette, Eugene, Shirley Center, Mass. Picker-stick. No. 1,081,579; Dec. 16; Gaz. vol. 197; p. 635.
- Chevrolet Motor Company. (See Durant, William C., assignor.)
- Chew, Albert B., Washington, D. C. Machine for forming armature-coils. No. 1,057,933; Apr. 1; Gaz. vol. 189; p. 184.

Alphabetical list of patentees—Continued.

- Chew, Richard S., Oakland, Cal. Concrete floor construction. No. 1,054,338; Feb. 25; Gaz. vol. 187; p. 965.
- Cheyne, Frederick H., Indianapolis, Ind. Speed-varying transmission. No. 1,079,934; Dec. 2; Gaz. vol. 197; p. 4.
- Chi-Il Electric Company. (See Silbert, Gustaf I., assignor.)
- Chiariglione, Hector, P. Vescovi, and E. Gobatti, Pueblo, Colo. Portable fire-escape. No. 1,074,540; Sept. 30; Gaz. vol. 194; p. 1100.
- Chicago Carton Company. (See Hagan, Herschell L., assignor.)
- Chicago-Cleveland Car Roofing Company. (See Russell, Thomas N., assignor.)
- Chicago Electric Meter Company. (See Kinney, Frank F., assignor.)
- Chicago Fuse Manufacturing Company. (See Appleton, Albert I., assignor.)
- Chicago Fuse Manufacturing Company. (See Murray, Michael, assignor.)
- Chicago Lubricator Company, The. (See Edwards, Frank W., assignor.)
- Chicago Lubricator Company, The. (See Martin, Jesse C., assignor.)
- Chicago Pneumatic Tool Co. (See Hume, John T., assignor.)
- Chicago Pneumatic Tool Co. (See Nutting, Arthur G., assignor.)
- Chicago Pneumatic Tool Company. (See Burke, James, assignor.)
- Chicago Pneumatic Tool Company. (See Mackie and Doyle, assignors.)
- Chicago Pneumatic Tool Company. (See Mackie and Thompson, assignors.)
- Chicago Pneumatic Tool Company. (See Thompson and Mackie, assignors.)
- Chicago Pneumatic Tool Company. (See Westaway, Walter C., assignor.)
- Chicago Pump Company. (See Durdin, Augustus C., Jr., assignor.)
- Chicago Railway Equipment Company. (See Busse, Edwin G., assignor.)
- Chicago Railway Equipment Company. (See Harrison, Philip B., assignor.)
- Chicago Railway Equipment Company. (See Harrison, William H., assignor.)
- Chicago Railway Equipment Company. (See Williams, Charles H., Jr., assignor.)
- Chicago Signal Company. (See Levison, Maurice, assignor.)
- Chicago Solder Company. (See Dickerson and Simpson, assignors.)
- Chicago Spring Butt Company. (See Keene, William J., assignor.)
- Chicago Steel Railway Tie Company. (See Hyle, Jacob A., assignor.)
- Chicago Steel Railway Tie Company. (See Hyle and Carmody, assignors.)
- Chicago Title and Trust Company, trustee. (See Neidig, William J., assignor.)
- Chickering, Frank W., assignor of one-half to E. H. Campbell, Hardwick, Vt. Thill and pole holdback-lock. No. 1,053,358; Feb. 18; Gaz. vol. 187; p. 595.
- Chiger, Siegmund, Berlin, Germany. Subtracting device for change-giving apparatus. No. 1,078,085; Nov. 11; Gaz. vol. 196; p. 321.
- Chiger, Siegmund, Berlin, Germany. Device for coupling the coin-ejectors in change-giving apparatus. No. 1,078,331; Nov. 11; Gaz. vol. 196; p. 407.
- Chikanceff, Anthony, Laverton, Victoria, Australia. Stove-closet and incinerator. No. 1,052,315; Feb. 4; Gaz. vol. 187; p. 160.
- Child, Stephen L., New Bedford, Mass. Hand-threading shuttle. No. 1,054,392; Feb. 25; Gaz. vol. 187; p. 984.
- Childers, Charles T., Galesburg, Ill. Lamp-guard. No. 1,054,088; Feb. 25; Gaz. vol. 187; p. 879.
- Childers, Josiah H. (See Haigh, Joseph, assignor.)
- Childrey, William H., Haw River, N. C. Web-take-up device for knitting-machines. No. 1,065,215; June 17; Gaz. vol. 191; p. 760.
- Childs, Denis L. (See Empey and Childs.)
- Childs, Oliver W., Nash, Okla. Wire cloth or screen machine. No. 1,077,040; Oct. 28; Gaz. vol. 195; p. 958.
- Childs, Samuel S., Colorado Springs, Colo. Form-retainer for four-in-hand ties. No. 1,070,013; Aug. 12; Gaz. vol. 193; p. 348.
- Childs, William, Jr. (See Hendrick, Foscolo O., assignor.)
- Chilton, Henry J., Chicago, Ill. Bottle-washing apparatus. No. 1,074,836; Oct. 7; Gaz. vol. 195; p. 84.
- Chilton, Henry J., assignor of one-half to J. H. and G. W. Roberts, Chicago, Ill. Bottle-washing machine. No. 1,053,903; Feb. 18; Gaz. vol. 187; p. 779.
- Chinnick, Walter I., Trenton, N. J. Bearing. No. 1,061,899; May 13; Gaz. vol. 190; p. 489.
- Chinnock, James E. (See Greene and Chinnock.)
- Chinter, William. (See Miles and Chinter.)
- Chipley, William G., Atlanta, Ga. Means for fastening rails to ties. No. 1,064,817; June 17; Gaz. vol. 191; p. 632.
- Chipley, William G., Atlanta, Ga. Reinforced-concrete tie. No. 1,065,430; June 24; Gaz. vol. 191; p. 873.
- Chipley, William G., Atlanta, Ga. Rail-joint. No. 1,078,716; Nov. 18; Gaz. vol. 196; p. 571.
- Chipley, William G., New Orleans, La., assignor to Pneumatic Rim & Tire Company, Wilmington, Del. Tire. No. 1,064,611; June 10; Gaz. vol. 191; p. 527.
- Chipley, William G., Atlanta, Ga., assignor to Pneumatic Rim & Tire Company, Wilmington, Del. Tire. No. 1,080,416; Dec. 2; Gaz. vol. 197; p. 176.
- Chippendale, Harry A., Wethersfield, Conn., and M. Kimmell, Providence, R. I. Gas-burner. No. 1,063,772; June 3; Gaz. vol. 191; p. 208.
- Chippendale, Harry A., Wethersfield, Conn., and M. Kimmell, Providence, R. I. Automatic safety gas-jet. No. 1,065,777; June 24; Gaz. vol. 191; p. 991.
- Chipperfield, Walter, Romford, assignor to W. E. Garforth, Pontefract, England. Kinematograph camera and projecting apparatus. No. 1,079,108; Nov. 18; Gaz. vol. 196; p. 707.
- Chipperfield, Walter, Romford, assignor to W. E. Garforth, Pontefract, England. Kinematograph camera and projecting apparatus. No. 1,082,305; Dec. 23; Gaz. vol. 197; p. 913.
- Chipperfield, Walter, Romford, and W. E. Garforth, Snydale Hall, near Pontefract, England. Kinematograph apparatus. No. 1,073,395; Sept. 16; Gaz. vol. 194; p. 665.
- Chisholm, Charles W., and E. Kibele, East Orange, N. J., assignors to H. R. Worthington. Meter-wheel. No. 1,069,854; Aug. 12; Gaz. vol. 193; p. 294.
- Chisholm, Jesse C., Dallas, Tex. Refining crude cottonseed oil. No. 1,056,261; Mar. 18; Gaz. vol. 188; p. 612.
- Chisholm, Jesse C., Dallas, Tex. Refining crude cottonseed oil. No. 1,056,262; Mar. 18; Gaz. vol. 188; p. 612.
- Chisholm, Jesse C., Dallas, Tex. Refining crude cottonseed oil. No. 1,056,263; Mar. 18; Gaz. vol. 188; p. 613.
- Chisholm, Jesse C., Dallas, Tex. Refining crude cottonseed oil. No. 1,056,264; Mar. 18; Gaz. vol. 188; p. 613.
- Chisholm, Kenneth O. (See Faller, Ernest A., assignor.)
- Chism, Louis W., Springfield, Mass., assignor, by mesne assignments, to Walsh-Standard Store Service, Incorporated, Hartford, Conn. Cable-carrier apparatus. No. 1,055,258; Mar. 4; Gaz. vol. 188; p. 201.
- Chittenden, Eason R., Surbiton, England. Spring-hook. No. 1,059,117; Apr. 15; Gaz. vol. 189; p. 676.
- Chitty, Charles W., Dover, and W. Jago, London, England. Manufacture of flour and bread. No. 1,063,414; June 3; Gaz. vol. 191; p. 82.
- Chitwood, George L., Conway Springs, Kans. Wagon-jack. No. 1,078,610; Nov. 18; Gaz. vol. 196; p. 533.
- Chitwood, George W., and R. T. Poplin, Butterfield, Mo. Eccentricless valve-gear for steam-engines. No. 1,058,152; Apr. 8; Gaz. vol. 189; p. 304.
- Chloride Process Company. (See Jewell, William M., assignor.)
- Choate, Horace H., Gloucester, Mass. Liquid-dispensing apparatus. No. 1,077,870; Nov. 4; Gaz. vol. 196; p. 215.
- Choate, William E., Melrose, Mass. Filing apparatus. No. 1,063,657; June 3; Gaz. vol. 191; p. 169.
- Chodorkow, Morris, and R. Harvey, New York, N. Y. Traveling-bag. No. 1,079,745; Nov. 25; Gaz. vol. 196; p. 958.
- Chodounský, Petr, Bezděkov, Austria-Hungary. Apparatus for the germination of grain for malting. No. 1,051,196; Jan. 21; Gaz. vol. 186; p. 710.
- Chodzko, Adam E., Los Angeles, Cal. Pneumatic pumping apparatus. No. 1,071,878; Sept. 2; Gaz. vol. 194; p. 72.
- Cholick, Joe J., Lakefield, Minn. Corn-replanting machine. No. 1,078,332; Nov. 11; Gaz. vol. 196; p. 407.
- Chorlton, Alan E. L., Manchester, England. Fluid-pressure engine. No. 1,078,661; Nov. 18; Gaz. vol. 196; p. 550.
- Chorlton, Alan E. L., Manchester, England. Fluid-pressure engine. No. 1,078,830; Nov. 18; Gaz. vol. 196; p. 612.
- Chorlton, Alan E. L., Manchester, England. Means for reversing internal-combustion engines. No. 1,082,068; Dec. 23; Gaz. vol. 197; p. 830.
- Chott, Edward L., et al. (See Welch, John W., assignor.)
- Chott, Hugo J., et al. (See Welch, John W., assignor.)
- Chowning, Le Roy C., assignor of twenty-six one-hundredths to A. B. Houghton and twenty-six one-hundredths to A. A. Houghton, Corning, N. Y. Method of regulating generation in gas-producers and apparatus therefor. No. 1,066,252; July 1; Gaz. vol. 192; p. 125.
- Chrestenson, Louis F., assignor to Port Huron Engine and Thresher Company, Port Huron, Mich. Dump-wagon. No. 1,068,737; July 29; Gaz. vol. 192; p. 1111.
- Christ, Clara B. (See Loutzenhiser, Jacob T., assignor.)
- Christman, Horace, Edgewood Park, Pa., assignor to Pittsburgh Meter Company. Meter. No. 1,078,257; Nov. 11; Gaz. vol. 196; p. 380.

Alphabetical list of patentees—Continued.

- Christ, Gustav R., Wimbledon, N. D. Doubletree-mounting. No. 1,054,825; Mar. 4; Gaz. vol. 188; p. 60.
- Christen, David, Anselmo, Nebr. Bath-tub. No. 1,067,898; July 22; Gaz. vol. 192; p. 784.
- Christensen, Carl, Bradley, assignor, by mesne assignments, to Sears, Roebuck & Company, Chicago, Ill. Agricultural implement. No. 1,074,310; Sept. 30; Gaz. vol. 194; p. 1026.
- Christensen, Christ, Indianapolis, Ind., assignor, by mesne assignments, to Triumph Voting Machine Company. Counter-actuator and voter-counter for voting-machines. No. 1,074,311; Sept. 30; Gaz. vol. 194; p. 1027.
- Christensen, Christoffer A., assignor to The International Mining & Milling Co., Portland, Ore. Centrifugal concentrator. No. 1,081,267; Dec. 9; Gaz. vol. 197; p. 494.
- Christensen, Jens P. M. M., Copenhagen, Denmark. Bridge or ferry. No. 1,073,794; Sept. 23; Gaz. vol. 194; p. 824.
- Christensen, John, Evans City, Pa. Trolley-wire hanger. No. 1,063,182; June 3; Gaz. vol. 191; p. 5.
- Christensen, Leonard, Columbus, Ohio, assignor to The Jeffrey Manufacturing Company. Tray-elevator. No. 1,057,934; Apr. 1; Gaz. vol. 189; p. 184.
- Christensen, Niels A., Milwaukee, Wis. Internal-combustion engine. No. 1,073,092; Sept. 16; Gaz. vol. 194; p. 558.
- Christensen, Niels C., Jr., Salt Lake City, Utah. Treating ores and the like. No. 1,058,034; Apr. 8; Gaz. vol. 189; p. 261.
- Christensen, Niels C., Jr., Salt Lake City, Utah. Treating ores and the like. No. 1,075,011; Oct. 7; Gaz. vol. 195; p. 144.
- Christensen, Theodore C., Menominee, Mich. Register for filing accounts. No. 1,073,027; Sept. 9; Gaz. vol. 194; p. 499.
- Christensen, Valdemar, Mexico, Mexico. Fodder and making same. No. 1,073,591; Sept. 23; Gaz. vol. 194; p. 753.
- Christenson, Claus A., Maple Park, Ill. Manure-spreader. No. 1,050,426; Jan. 14; Gaz. vol. 186; p. 411.
- Christenson, George, Jamaica, N. Y., assignor to H. W. Johns-Manville Company. Piston-packing. No. 1,076,269; Oct. 21; Gaz. vol. 195; p. 631.
- Christenson, Oscar, Milwaukee, Wis. Centering-punch. No. 1,078,770; Nov. 18; Gaz. vol. 196; p. 591.
- Christian, Arthur R., Christchurch, New Zealand. Trolley-pole. No. 1,083,266; Dec. 30; Gaz. vol. 197; p. 1268.
- Christian Bruns & Cie., G. m. b. H. (See Bruns, Christian and H., assignors.)
- Christian, Frank M., Seattle, Wash. Folding awning-arm. No. 1,050,340; Jan. 14; Gaz. vol. 186; p. 381.
- Christian, Frank M., Seattle, Wash. Folding arm for awnings. No. 1,050,341; Jan. 14; Gaz. vol. 186; p. 382.
- Christian, Gilbert, assignor to The Wilcke-Armstrong Company, Detroit, Mich. Electric signaling device. No. 1,059,835; Apr. 22; Gaz. vol. 189; p. 953.
- Christian, Madison L., assignor to The American Wire Fabric Company, Clinton, Iowa. Loom. No. 1,055,259; Mar. 4; Gaz. vol. 188; p. 201.
- Christian, Walter E., assignor to The Badger Brass Manufacturing Company, Kenosha, Wis. Lamp-socket. No. 1,054,746; Mar. 4; Gaz. vol. 188; p. 32.
- Christian, Walter E., assignor to The Badger Brass Manufacturing Company, Kenosha, Wis. Lamp. No. 1,054,747; Mar. 4; Gaz. vol. 188; p. 32.
- Christian, Stamford R., Delaware Water Gap, Pa. Withdrawing skeleton oven. No. 1,063,183; June 3; Gaz. vol. 191; p. 5.
- Christians, Christian, Barmen, Germany. Steam-generator. No. 1,052,887; Feb. 11; Gaz. vol. 187; p. 388.
- Christians, George, Freeport, N. Y. Gas-generator. No. 1,070,409; Aug. 19; Gaz. vol. 193; p. 525.
- Christians, George W., assignor to T. E. Murray, New York, N. Y. End-play device. No. 1,067,864; July 22; Gaz. vol. 192; p. 773.
- Christiansen, Charles, Gelsenkirchen, Germany. Apparatus for absorbing carbonic acid from air. No. 1,052,216; Feb. 4; Gaz. vol. 187; p. 129.
- Christiansen, Christian, Kenmare, N. D. Packer attachment for plows. No. 1,063,773; June 3; Gaz. vol. 191; p. 208.
- Christiansen, Christian, Kenmare, N. D. Harrow. No. 1,063,774; June 3; Gaz. vol. 191; p. 209.
- Christiansen, Friedrich, Kiel, Germany. Life-belt. No. 1,049,563; Jan. 7; Gaz. vol. 186; p. 85.
- Christiansen, Frits. (See Whipple and Christiansen.)
- Christiansen, Julius C., New York, N. Y. Propeller-steering. No. 1,056,247; Mar. 18; Gaz. vol. 188; p. 607.
- Christiansen, Julius C., New York, N. Y. Regulating device. No. 1,065,216; June 17; Gaz. vol. 191; p. 760.
- Christianson, Andrew, Butler, assignor to Standard Steel Car Company, Pittsburgh, Pa. Swinging buffer and draft rigging. No. 1,061,817; May 13; Gaz. vol. 190; p. 462.
- Christianson, Andrew, Butler, assignor to Standard Steel Car Company, Pittsburgh, Pa. Dumping-car. No. 1,061,818; May 13; Gaz. vol. 190; p. 463.
- Christianson, Andrew, Butler, assignor to Standard Motor Truck Co., Pittsburgh, Pa. Non-rattling spring. No. 1,064,710; June 17; Gaz. vol. 191; p. 597.
- Christianson, Oscar, Chicago, Ill. Pulverizer. No. 1,070,014; Aug. 12; Gaz. vol. 193; p. 348.
- Christianson, Oscar, Chicago, Ill. Disk pulverizer. No. 1,079,746; Nov. 25; Gaz. vol. 196; p. 958.
- Christie, Alexander J., *et al.*, executors. (See Christie, James.)
- Christie, Elizabeth R., *et al.*, executors. (See Christie, James.)
- Christie, James, Uniontown, Pa. Tunnel-head. No. 1,058,550; Apr. 8; Gaz. vol. 189; p. 442.
- Christie, James, deceased, Philadelphia, Pa.; A. J. and E. R. Christie, executors. Ventilator. No. 1,073,079; Sept. 9; Gaz. vol. 194; p. 517.
- Christlein, Paul. (See Josse and Christlein.)
- Christman, Albert R., Philadelphia, assignor of one-half to E. A. Oberrender, Melrose Park, Pa. Brick-cleaning machine. No. 1,082,306; Dec. 23; Gaz. vol. 197; p. 913.
- Christman, Albert R., Philadelphia, assignor of one-half to E. A. Oberrender, Melrose Park, Pa. Removing adhering mortar from bricks. No. 1,082,307; Dec. 23; Gaz. vol. 197; p. 914.
- Christman, Edward. (See Jones and Christman.)
- Christman, Matthias, assignor of one-third to H. L. Bissett and one-third to G. A. McLaughlin, Springfield, Mo. Wheel-hub plate. No. 1,051,683; Jan. 28; Gaz. vol. 186; p. 907.
- Christman, Peter, Green Bay, Wis. Pump. No. 1,054,174; Feb. 25; Gaz. vol. 187; p. 909.
- Christner, Gabriel D., H. R. Law, and H. B. Gorman, McKeesport, Pa. Kite-reel. No. 1,067,643; July 15; Gaz. vol. 192; p. 665.
- Christoph, George W., assignor to Sterling Blower Company, Hartford, Conn. Fan-blower. No. 1,074,606; Oct. 7; Gaz. vol. 195; p. 6.
- Christophel, Carl E., assignor to Dexter Folder Company, Pearl River, N. Y. Combination sheet slow-down and straightener for feeders. No. 1,068,106; July 22; Gaz. vol. 192; p. 853.
- Christopher, Alvah S., Boston, Mass. Gate. No. 1,063,328; June 3; Gaz. vol. 191; p. 54.
- Christopher, Calvin F., Asheville, N. C. Scale. No. 1,067,213; July 8; Gaz. vol. 192; p. 483.
- Christopher, James H., Litchfield, assignor of one-third to J. W. McCracken, one-sixth to J. Balster, and one-sixth to T. B. Neumann, Bethalto, Ill. Farm-gate. No. 1,053,786; Feb. 18; Gaz. vol. 187; p. 741.
- Christopher, Whornner B., Lone Wolf, Okla. Valve-actuating gear for steam tramping-presses. No. 1,071,701; Sept. 2; Gaz. vol. 194; p. 10.
- Christopher, William M., Tonawanda, N. Y. Broom-head holder. No. 1,076,347; Oct. 21; Gaz. vol. 195; p. 660.
- Christophersen, Henry C. L., Oconto, Wis. Milking-pail. No. 1,076,348; Oct. 21; Gaz. vol. 195; p. 661.
- Christy, Henry A., Chicago, Ill. Car-roof. No. 1,061,268; May 13; Gaz. vol. 190; p. 277.
- Christy, Henry A., Kenilworth, Ill. Metallic car-roof. No. 1,068,317; July 22; Gaz. vol. 192; p. 928.
- Christy, Henry A., Kenilworth, Ill. Car-door. No. 1,068,318; July 22; Gaz. vol. 192; p. 929.
- Christy, Henry A., Kenilworth, Ill. Car-roof. No. 1,068,319; July 22; Gaz. vol. 192; p. 929.
- Christy, Henry A., Kenilworth, Ill. Box-car. No. 1,068,320; July 22; Gaz. vol. 192; p. 929.
- Christy, Henry A., Kenilworth, Ill. Car-roof. No. 1,068,321; July 22; Gaz. vol. 192; p. 930.
- Christy, James, Akron, Ohio. Vehicle-tire. No. 1,067,307; July 15; Gaz. vol. 192; p. 552.
- Christy, Wesley, Pittsburg, Kans. Pipe-joint. No. 1,069,674; Aug. 12; Gaz. vol. 193; p. 231.
- Chriswell, Frederick W., Seattle, Wash. Car stake and bunk. No. 1,079,109; Nov. 18; Gaz. vol. 196; p. 708.
- Chromography Limited. (See Geisler, Louis, assignor.)
- Chrysler, William L., Eugene, assignor to Portland Automobile Wheel Company, Portland, Ore. Resilient wheel. No. 1,064,129; June 10; Gaz. vol. 191; p. 363.
- Chryster, Frank. (See Touceda and Chrysler.)
- Chrystie, Percival, and R. D. Chapman, assignors to Taylor Iron & Steel Company, High Bridge, N. J. Pipe-ball. No. 1,056,970; Mar. 25; Gaz. vol. 188; p. 885.
- Chubb, Lewis W., Edgewood Park, Pa., assignor to Westinghouse Electric and Manufacturing Company. Process and apparatus for electric welding. No. 1,066,468; July 8; Gaz. vol. 192; p. 225.
- Chubb, Lewis W., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Process of and apparatus for coating electric conductors. No. 1,068,410; July 29; Gaz. vol. 192; p. 999.
- Chubb, Lewis W., Wilkinsburg, Pa., assignor to Westinghouse Electric and Manufacturing Company. Method of and apparatus for coating wires. No. 1,068,411; July 29; Gaz. vol. 192; p. 999.
- Chubb, Lewis W., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Method of and apparatus for coating wires and cables. No. 1,068,413; July 29; Gaz. vol. 192; p. 1000.

Alphabetical list of patentees—Continued.

- Chubb, Lewis W., Wilkinsburg, and H. R. Edgecomb, Edgewood Park, Pa., assignors to Westinghouse Electric & Manufacturing Company. Apparatus for treating wires and cables. No. 1,068,412; July 29; Gaz. vol. 192; p. 999.
- Church, Albert E., New Britain, Conn. Drill-chuck. No. 1,061,934; May 13; Gaz. vol. 190; p. 502.
- Church, Benjamin S., New York, and A. B. Cox, Cherry Valley, N. Y. Expandible fluid-turbine. No. 1,076,952; Oct. 28; Gaz. vol. 195; p. 928.
- Church, Dennis, assignor to M. D. Knowlton Company, Rochester, N. Y. Machine for cutting corrugated paper-board. No. 1,055,610; Mar. 11; Gaz. vol. 188; p. 356.
- Church, Edmund S., assignor to The National Cash Register Company, Dayton, Ohio. Time-printer. No. 1,070,410; Aug. 19; Gaz. vol. 193; p. 526.
- Church, Edmund S., Chicago, Ill., assignor, by mesne assignments, to The National Cash Register Company, Dayton, Ohio. Mechanical cashier. (Reissue.) No. 1,3629; Oct. 21; Gaz. vol. 195; p. 771.
- Church, Frederick A. (See Prior and Church.)
- Church, Harold D., assignor of one-half to L. S. Ross, Newton, Mass. Gas-engine. No. 1,066,887; July 8; Gaz. vol. 192; p. 371.
- Church, Harold D., assignor to Packard Motor Car Company, Detroit, Mich. Lock-nut. No. 1,077,670; Nov. 4; Gaz. vol. 196; p. 148.
- Church, Lloyd E., and J. A. Cooney, Bartlesville, Okla. Heater. No. 1,068,322; July 22; Gaz. vol. 192; p. 930.
- Church-Smith, William and W. A., Whitestone, N. Y. Variable-speed gear. No. 1,069,227; Aug. 5; Gaz. vol. 193; p. 49.
- Church-Smith, William A. (See Church-Smith, William and W. A.)
- Church, William G., assignor of one-half to Universal Auto Repair Co., Hartford, Conn. Expandible reamer or similar tool. No. 1,066,796; July 8; Gaz. vol. 192; p. 341.
- Churchill, William, Corning, N. Y. Headlight and signal-lamp. No. 1,057,935; Apr. 1; Gaz. vol. 189; p. 184.
- Churchill, William, assignor to Corning Glass Works, Corning, N. Y. Fresnel lens. No. 1,076,628; Oct. 21; Gaz. vol. 195; p. 760.
- Churchill, William, assignor to Corning Glass Works, Corning, N. Y. Fresnel lens. No. 1,081,210; Dec. 9; Gaz. vol. 197; p. 474.
- Churchill, William, assignor to Corning Glass Works, Corning, N. Y. Optical system. No. 1,081,211; Dec. 9; Gaz. vol. 197; p. 474.
- Churchward International Steel Company. (See Churchward, James, assignor.)
- Churchward, James, Mount Vernon, assignor to Churchward International Steel Company, New York, N. Y. Pyrometer. No. 1,069,318; Aug. 5; Gaz. vol. 193; p. 80.
- Churchward, James, Mount Vernon, assignor to Churchward International Steel Company, New York, N. Y. Steel process. No. 1,069,387; Aug. 5; Gaz. vol. 193; p. 105.
- Churchward, James, Mount Vernon, assignor to Churchward International Steel Company, New York, N. Y. Furnace. No. 1,069,601; Aug. 5; Gaz. vol. 193; p. 176.
- Chute, Harry O., Cleveland, Ohio. Treating rubber and product of the same. No. 1,051,987; Feb. 4; Gaz. vol. 187; p. 48.
- Chvojka, Alois, *et al.* (See Stanecky, Joseph G., assignor.)
- Chwala, August. (See Kaufer and Chwala.)
- Chwalkowski, Wincent. (See Palmowski and Chwalkowski.)
- Ciccolini, Clément, Paris, France. Machine for mechanically tilling the soil. No. 1,076,745; Oct. 28; Gaz. vol. 195; p. 855.
- Ciernia, Peter M., St. Paul, Minn. Seal-bolt. No. 1,079,839; Nov. 25; Gaz. vol. 196; p. 990.
- Cigol, Frank A., Paterson, N. J. Resilient ball. No. 1,077,121; Oct. 28; Gaz. vol. 195; p. 983.
- Cibucki, John, Shenandoah, Pa. Combined firearm and sword. No. 1,052,316; Feb. 4; Gaz. vol. 187; p. 160.
- Cilley, Osborn H., Westford, assignor to C. G. Sargent's Sons Corporation, Graniteville, Mass. Conveyer. No. 1,075,548; Oct. 14; Gaz. vol. 195; p. 359.
- Cinch Repair Kit Company. (See Hornung, Charles G., assignor.)
- Cincinnati Bickford Tool Co., The. (See Norris, Henry M., assignor.)
- Cincinnati-Bickford Tool Company, The. (See Klausmeyer, David C., assignor.)
- Cincinnati Butchers' Supply Co., The. (See Naegelen and Klawitter, assignors.)
- Cincinnati Butchers' Supply Co. (See Schmidt, Charles G., assignor.)
- Cincinnati Butchers' Supply Company, The. (See Naegelsen, Charles, assignor.)
- Cincinnati Milling Machine Company, The. (See De Leeuw, Adolph L., assignor.)
- Cincinnati Planer Company, The. (See Reston, Henry P., assignor.)
- Cinelli, Peter, *et al.* (See Dacorsi, Edward, assignor.)
- Citizens Savings and Trust Company, The. (See Hughes, Dow B., assignor.)
- Citroen, André, Paris, France. Hydraulic power-transmission device. No. 1,080,000; Dec. 2; Gaz. vol. 197; p. 28.
- City Weather Proofing Company. (See Vachon, George C., assignor.)
- Claes and Lehnbeuter Manufacturing Company. (See Brunnacker, Charles R., assignor.)
- Claffin, Charles R. B., Boston, Mass., assignor, by mesne assignments, to Atlantic National Bank, Providence, R. I. Indicating device. No. 1,072,426; Sept. 9; Gaz. vol. 194; p. 286.
- Clair, Edward T., Chicago, Ill., assignor to Sulzberger & Sons Company. Thawing frozen meats. No. 1,059,597; Apr. 22; Gaz. vol. 189; p. 875.
- Clamer, Guiliam H., Philadelphia, Pa. Iron-nickel-copper alloy. No. 1,050,342; Jan. 14; Gaz. vol. 186; p. 382.
- Clancy, John C., assignor to Clancy Metals Process Company, New York, N. Y. Treatment of copper ores bearing precious metals. No. 1,057,936; Apr. 1; Gaz. vol. 189; p. 185.
- Clancy, John R. (See Camph, William, assignor.)
- Clancy, John R. (See Lees, Harry F., assignor.)
- Clancy Metals Process Company. (See Clancy, John C., assignor.)
- Clapp, Albert L., Braintree, assignor to Hide-It Leather Company, Boston, Mass. Production of leather-board stock. No. 1,063,958; June 10; Gaz. vol. 191; p. 304.
- Clapp, Albert L., Braintree, assignor to Hide-It Leather Company, Brockton, Mass. Composite leather or leather substitute and producing same. No. 1,065,028; June 17; Gaz. vol. 191; p. 700.
- Clapp-Eastham Company. (See Eastham, Melville, assignor.)
- Clapp, Edward C., York, N. Y. Adjustable lamp-bracket for automobiles. No. 1,078,831; Nov. 18; Gaz. vol. 196; p. 612.
- Clapp, George H., Hyde Park, Mass. Car-fender. No. 1,051,947; Feb. 4; Gaz. vol. 187; p. 35.
- Clapp, George W., and E. S. Ulsaver, New Rochelle, N. Y. Device for use in connection with the articulation of artificial teeth. No. 1,079,540; Nov. 25; Gaz. vol. 196; p. 884.
- Clapp, John C., Jr., Boston, Mass. Storm-sash fastener. No. 1,070,015; Aug. 12; Gaz. vol. 193; p. 348.
- Clapp, Joseph F., Los Angeles, Cal. Cableway. No. 1,064,887; June 17; Gaz. vol. 191; p. 654.
- Claremont, Ernest A. (See Tanner and Claremont.)
- Clarín, Werner E., Chicago, Ill. Window-pane support and fastener. No. 1,071,394; Aug. 26; Gaz. vol. 193; p. 889.
- Clark, Absalom F., assignor to S. Friedberger, Philadelphia, Pa. Driving mechanism for automobiles. No. 1,050,761; Jan. 14; Gaz. vol. 186; p. 523.
- Clark, Albert C., assignor to A. C. Clark & Company, Chicago, Ill. Faucet-nozzle. No. 1,068,482; July 29; Gaz. vol. 192; p. 1023.
- Clark, Alfred, East Corinth, Me. Churn. No. 1,051,684; Jan. 28; Gaz. vol. 186; p. 907.
- Clark, Alfred C., assignor of one-half to J. Scott, Philadelphia, Pa. Pneumatic hammer. No. 1,055,135; Mar. 4; Gaz. vol. 188; p. 163.
- Clark, Alice M., Ambridge, Pa. Curtain-pole. No. 1,074,164; Sept. 30; Gaz. vol. 194; p. 978.
- Clark, Allen C., *et al.* (See Gray, Ross E., assignor.)
- Clark, Amasa B., New York, N. Y. Pile-driver. No. 1,066,469; July 8; Gaz. vol. 192; p. 226.
- Clark, Arthur L. (See Masters and Clark.)
- Clark, Byron G. (See Bayliss, Thomas A., assignor.)
- Clark, Byron O., Honolulu, Hawaii. Apparatus for treating fruit-juices, &c. No. 1,062,888; May 27; Gaz. vol. 190; p. 903.
- Clark Car Company. (See Clark, Charles H., assignor.)
- Clark, Charles A., Hartford, assignor to Trumbull Electric Manufacturing Company, Plainville, Conn. Push-button switch. No. 1,063,854; June 3; Gaz. vol. 191; p. 234.
- Clark, Charles E. (See Rea and Clark.)
- Clark, Charles H., Kalamazoo, Mich. Milk-strainer. No. 1,080,262; Dec. 2; Gaz. vol. 197; p. 121.
- Clark, Charles H., San Francisco, Cal., assignor to Standard Gear Motor Company, Phoenix, Ariz. Rotary engine. No. 1,058,153; Apr. 8; Gaz. vol. 189; p. 304.
- Clark, Charles H., Crafton, assignor to Clark Car Company, Pittsburgh, Pa. Dump-car. No. 1,065,217; June 17; Gaz. vol. 191; p. 761.
- Clark, Charles H., Crafton, assignor to Clark Car Company, Pittsburgh, Pa. Side-dump car. No. 1,065,218; June 17; Gaz. vol. 191; p. 761.
- Clark, Charles M., Chicago, Ill. Boiler-feed regulator. No. 1,075,963; Oct. 14; Gaz. vol. 195; p. 499.
- Clark, Charles P., Pawtucket, R. I. Wrench. No. 1,056,628; Mar. 18; Gaz. vol. 188; p. 738.
- Clark, Charles W., Chicago, Ill. Combined motor-truck and plow. No. 1,080,749; Dec. 9; Gaz. vol. 197; p. 320.
- Clark, Chester E., New York, N. Y. Binding. No. 1,068,855; July 29; Gaz. vol. 192; p. 1155.
- Clark, Clifford R., assignor of one-half to F. P. Clark, New Haven, Conn. Automatic gas-burner. No. 1,070,016; Aug. 12; Gaz. vol. 193; p. 349.
- Clark, Cyrus C., Stoughton, Wis. Coupling device. No. 1,053,277; Feb. 18; Gaz. vol. 187; p. 567.

Alphabetical list of patentees—Continued.

- Clark, David, *et al.* (See Duryea, Charles E., assignor.)
- Clark, David A., Capay, Cal. Insect-excluding attachment for buildings. No. 1,080,417; Dec. 2; Gaz. vol. 197; p. 177.
- Clark, David P., Dayton, Ohio. Power plant. No. 1,054,339; Feb. 25; Gaz. vol. 187; p. 965.
- Clark, David P., Dayton, Ohio. Spring-actuated toy. No. 1,063,959; June 10; Gaz. vol. 191; p. 304.
- Clark, Della L., Birmingham, Ala. Tire-filler. No. 1,083,188; Dec. 30; Gaz. vol. 197; p. 1241.
- Clark, Dwight G., Plainville, Conn., assignor, by mesne assignments, to Corrugated Bar Company, St. Louis, Mo. Expanded metal. No. 1,080,418; Dec. 2; Gaz. vol. 197; p. 177.
- Clark, Edgar M., Dayton, Ohio. Scaffolding-bracket. No. 1,076,270; Oct. 21; Gaz. vol. 195; p. 631.
- Clark, Edward L., Scranton, Pa. Crusher-roller for coal-breakers, &c. No. 1,058,948; Apr. 15; Gaz. vol. 189; p. 617.
- Clark, Ernest G., De Kalb, assignor to Melville Clark Piano Company, Chicago, Ill. Note-sheet terminal. No. 1,078,771; Nov. 18; Gaz. vol. 196; p. 592.
- Clark Foundry Company. (See Jannell, Leslie D., assignor.)
- Clark, Francis C., Kansas City, Kans. Type-writer. No. 1,077,804; Nov. 4; Gaz. vol. 196; p. 193.
- Clark, Francis L., assignor of one-half to W. B. Raymond, Kansas City, Kans. Oil-burner. No. 1,051,085; Jan. 21; Gaz. vol. 186; p. 673.
- Clark, Francis R., Bedford, Iowa. Wire-splicer. No. 1,075,333; Oct. 14; Gaz. vol. 195; p. 283.
- Clark, Fred D., St. Joseph, Mo. Embalmer's tray. No. 1,058,551; Apr. 8; Gaz. vol. 189; p. 442.
- Clark, Frederick J., assignor to Eastman Machine Company, Buffalo, N. Y. Cloth-cutting machine. No. 1,051,685; Jan. 28; Gaz. vol. 186; p. 907.
- Clark, Frederick J., assignor to Eastman Machine Company, Buffalo, N. Y. Cloth-cutting machine. No. 1,051,686; Jan. 28; Gaz. vol. 186; p. 908.
- Clark, Freeman P. (See Clark, Clifford R., assignor.)
- Clark, G. W. (See Fleishman, Joseph, assignor.)
- Clark, George, Landsborough, Victoria, assignor to Mono Situ Concrete Company, Richmond, Australia. Core for use in molding concrete walls. No. 1,077,952; Nov. 4; Gaz. vol. 196; p. 245.
- Clark, George H., Winthrop, assignor to J. J. Burns, trustee, Boston, Mass. Lasting-machine. No. 1,057,804; Apr. 1; Gaz. vol. 189; p. 140.
- Clark, George J., Defiance, Ohio. Oil-burner. No. 1,063,329; June 3; Gaz. vol. 191; p. 54.
- Clark, George J., assignor of one-half to G. A. Rigrish, Defiance, Ohio. Railway-tie and rail-fastening device. No. 1,063,775; June 3; Gaz. vol. 191; p. 209.
- Clark, George J., and H. Curtland, Defiance, Ohio. Metallic barrel. No. 1,043,396; Sept. 16; Gaz. vol. 194; p. 666.
- Clark, George M. and H. W., Ball Ground, Ga. Automatic air-car-coupling. No. 1,083,189; Dec. 30; Gaz. vol. 197; p. 1241.
- Clark, Guy K., Canon City, Colo. Motor attachment. No. 1,074,695; Oct. 7; Gaz. vol. 195; p. 39.
- Clark, H. E. (See Stine, Frank D., assignor.)
- Clark Harp Mfg. Co. (See Clark, Melville A., assignor.)
- Clark, Harry A., and E. J. Larkin, New Orleans, La., assignors, by mesne assignments, to C. W. Benedict, St. Louis, Mo. Rubber-like substance and making same. No. 1,076,349; Oct. 21; Gaz. vol. 195; p. 661.
- Clark, Henry T., Jr., Hendersonville, Tenn. Gate-latch. No. 1,049,453; Jan. 7; Gaz. vol. 186; p. 46.
- Clark, Henry W. (See Clark, George M. and H. W.)
- Clark, Herbert B., Springfield, Mass. Necktie former and clasp. No. 1,055,136; Mar. 4; Gaz. vol. 188; p. 163.
- Clark, Horace F. (See Shock, Edgar, assignor.)
- Clark, Hugh D., Columbus, Ohio. Fence-post. No. 1,058,035; Apr. 8; Gaz. vol. 189; p. 262.
- Clark, Hugh D., Columbus, Ohio. Demonstrating device. No. 1,075,401; Oct. 14; Gaz. vol. 195; p. 308.
- Clark, Hugh D., Columbus, Ohio. Metallic fence-post. No. 1,075,899; Oct. 14; Gaz. vol. 195; p. 477.
- Clark, Hugh T., Vallejo, Cal. Lubricator. No. 1,065,219; June 17; Gaz. vol. 191; p. 761.
- Clark, James, assignor to S. R. Dresser Manufacturing Company, Bradford, Pa. Repair device for pipe-lines. No. 1,051,086; Jan. 21; Gaz. vol. 186; p. 673.
- Clark, James, assignor to S. R. Dresser Manufacturing Company, Bradford, Pa. Clamp for pipe-joints of the bell-and-spigot type. No. 1,051,087; Jan. 21; Gaz. vol. 186; p. 674.
- Clark, James, assignor to S. R. Dresser Manufacturing Company, Bradford, Pa. Making clamping-rings for pipe-couplings. No. 1,060,320; Apr. 29; Gaz. vol. 189; p. 1161.
- Clark, James, assignor to S. R. Dresser Manufacturing Company, Bradford, Pa. Wrought-metal ring for collar-clamps, &c. No. 1,062,438; May 20; Gaz. vol. 190; p. 712.
- Clark, James, assignor to S. R. Dresser Manufacturing Company, Bradford, Pa. Clamp for pipe-joints of the bell-and-spigot type. No. 1,070,667; Aug. 19; Gaz. vol. 193; p. 614.
- Clark, James A., Albany, N. Y. Fireproof filing-case. No. 1,071,984; Sept. 2; Gaz. vol. 194; p. 107.
- Clark, James J., Nashville, Tenn. Metallic packing-ring. No. 1,060,586; May 6; Gaz. vol. 190; p. 8.
- Clark, John A., Bolckow, Mo. Brooder. No. 1,081,811; Dec. 16; Gaz. vol. 197; p. 713.
- Clark, John A., Worcester, Mass., and J. K. Dalkranian, Weehawken Heights, N. J.; said Dalkranian assignor to United States Persian Carpet Company and said Clark assignor to Crompton & Knowles Loom Works. Pile or tuft fabric loom. No. 1,077,241; Oct. 28; Gaz. vol. 195; p. 1021.
- Clark, John M., Chicago, and G. A. Gustafson, Harvey, Ill. Metallic ring. No. 1,052,462; Feb. 11; Gaz. vol. 187; p. 245.
- Clark, John T., Provo, Utah. Resilient tire for vehicles. No. 1,059,437; Apr. 22; Gaz. vol. 189; p. 823.
- Clark, John T., Provo, Utah. Resilient vehicle-tire. No. 1,072,699; Sept. 9; Gaz. vol. 194; p. 381.
- Clark, John T., Provo, Utah. Resilient vehicle-tire. No. 1,072,700; Sept. 9; Gaz. vol. 194; p. 381.
- Clark, John T., Provo, Utah. Vehicle-tire. No. 1,074,246; Sept. 30; Gaz. vol. 194; p. 1005.
- Clark, John T., Provo, Utah. Vehicle-tire. No. 1,079,397; Nov. 25; Gaz. vol. 196; p. 836.
- Clark, John W., Jr., Provo, Utah. Railway-tie. No. 1,070,411; Aug. 19; Gaz. vol. 193; p. 526.
- Clark, John W., Jr., Salt Lake City, T. J. Clark and J. S. Wing, Springville, Utah. Railway-tie. No. 1,059,033; Apr. 15; Gaz. vol. 189; p. 647.
- Clark, Le Vert, Detroit, Mich. Heating, ventilating, street-annunciating, and draft-producing system for cars. No. 1,051,687; Jan. 28; Gaz. vol. 186; p. 908.
- Clark, Le Vert, Detroit, Mich. Vehicle. No. 1,069,228; Aug. 5; Gaz. vol. 193; p. 50.
- Clark, Lindley, Greenfield, Ind. Tying-machine. No. 1,056,087; Mar. 18; Gaz. vol. 188; p. 552.
- Clark, Loren E., Meadville, Pa. Ignition and starting mechanism for internal-combustion engines. No. 1,075,763; Oct. 14; Gaz. vol. 195; p. 432.
- Clark, Melville, Chicago, Ill. Antiskidding device for road-vehicles. No. 1,055,518; Mar. 11; Gaz. vol. 188; p. 326.
- Clark, Melville, assignor to Melville Clark Piano Company, Chicago, Ill. Bellows-operating pedal. No. 1,081,948; Dec. 23; Gaz. vol. 197; p. 787.
- Clark, Melville, assignor to Melville Clark Piano Company, Chicago, Ill. Means for recording music. No. 1,082,499; Dec. 30; Gaz. vol. 197; p. 1008.
- Clark, Melville, assignor to Melville Clark Piano Company, Chicago, Ill. Stop-recording action for automatic musical instruments. No. 1,082,500; Dec. 30; Gaz. vol. 197; p. 1009.
- Clark, Melville A., assignor to Clark Harp Mfg. Co., Syracuse, N. Y. Harp-taboret. No. 1,065,661; June 24; Gaz. vol. 191; p. 951.
- Clark, Norman, and A. E. Plank, Quincy, Ill. Aeroplane. No. 1,067,466; July 15; Gaz. vol. 192; p. 604.
- Clark, Norris E., Plainville, Conn. Rivet manufacture. No. 1,051,088; Jan. 21; Gaz. vol. 186; p. 675.
- Clark, Norris E., Plainville, Conn. Metal-working. No. 1,052,888; Feb. 11; Gaz. vol. 187; p. 388.
- Clark, Norris E., Plainville, Conn., assignor to The National Metal Fabric Company, New York, N. Y. Expanded-metal manufacture. No. 1,062,768; May 27; Gaz. vol. 190; p. 863.
- Clark, Orson B., Sherburne, N. Y. Dish-washing machine. No. 1,051,311; Jan. 21; Gaz. vol. 186; p. 749.
- Clark, Oscar, and J. Chapman, Binghamton, N. Y. Alarm-lock for doors. No. 1,068,738; July 29; Gaz. vol. 192; p. 1112.
- Clark, Peter T., Roxbury, Mass. Bottle-wrapper. No. 1,076,018; Oct. 21; Gaz. vol. 195; p. 547.
- Clark, Raymond L., Rochester, N. Y. Attachment for perambulators. No. 1,082,930; Dec. 30; Gaz. vol. 197; p. 1161.
- Clark, Robert, assignor to Bridgeport Brass Company, Bridgeport, Conn. Pipe-coupling. No. 1,059,438; Apr. 22; Gaz. vol. 189; p. 823.
- Clark, Robert, assignor to Bridgeport Brass Company, Bridgeport, Conn. L for wastes and overflows. No. 1,068,039; July 22; Gaz. vol. 192; p. 832.
- Clark, Robert O., Ralston, Okla. Twine-holder. No. 1,049,672; Jan. 7; Gaz. vol. 186; p. 121.
- Clark, Samuel, Marlboro, Mass. Electric-lamp holder. No. 1,058,036; Apr. 8; Gaz. vol. 189; p. 262.
- Clark, Spencer L., Hale, Mich. Mold for fence-posts. No. 1,073,471; Sept. 16; Gaz. vol. 194; p. 692.
- Clark, Spencer L., Hale, Mich. Molding fence-posts. No. 1,073,472; Sept. 16; Gaz. vol. 194; p. 692.
- Clark, Thomas E. (See Williams, George W., assignor.)
- Clark, Thomas J. (See Clark and Wing.)
- Clark, Ulysses G. (See Curry, Joseph F., assignor.)
- Clark, Walter A., assignor to Slingsby Manfg. Co. Ltd., Brantford, Ontario, Canada. Shuttle-box-selecting mechanism for looms. No. 1,077,904; Nov. 4; Gaz. vol. 196; p. 227.
- Clark, Walter C., Canby, Oreg. Automatic pump. No. 1,077,597; Nov. 4; Gaz. vol. 196; p. 123.

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- Clark, Walter G., New York, N. Y. Geographical-position indicator. No. 1,077,596; Nov. 4; Gaz. vol. 196; p. 122.
- Clark, Walter G., New York, N. Y. Excavating-machine. No. 1,082,501; Dec. 30; Gaz. vol. 197; p. 1009.
- Clark, Warren H., West Burlington, N. Y. Spring-spoke. No. 1,052,570; Feb. 11; Gaz. vol. 187; p. 280.
- Clark, Wilbur T., Buffalo, N. Y. Concrete compressed-air cistern. No. 1,068,383; July 22; Gaz. vol. 192; p. 950.
- Clark, William, Dunfermline, Scotland. Cutter for walk-paper. No. 1,053,359; Feb. 18; Gaz. vol. 187; p. 595.
- Clark, William B., St. Joseph, Mo. Truck attachment. No. 1,059,595; Apr. 22; Gaz. vol. 189; p. 874.
- Clark, William F., Coraopolis, Pa. Skelp-charging bench. No. 1,071,879; Sept. 2; Gaz. vol. 194; p. 72.
- Clark, William G., London, England. Coating metal articles with other minerals. No. 1,061,164; May 6; Gaz. vol. 190; p. 206.
- Clark, William W. (See Casper and Clark.)
- Clarke, Charles P., Boston, Mass. Air-pump. No. 1,070,585; Aug. 19; Gaz. vol. 193; p. 587.
- Clarke, Charles W., Charleston, W. Va. Rail and road-bed construction. No. 1,076,190; Oct. 21; Gaz. vol. 195; p. 605.
- Clarke, David E. G., New York, N. Y. Washing-machine. No. 1,077,330; Nov. 4; Gaz. vol. 196; p. 31.
- Clarke, Edward F., Birmingham, England. Fuel-economizing apparatus. No. 1,073,795; Sept. 23; Gaz. vol. 194; p. 825.
- Clarke, Edward R. (See Barr and Clarke.)
- Clarke, Graham, assignor to The Ohio Chemical and Manufacturing Company, Cleveland, Ohio. Attachment for anesthetizing apparatus. No. 1,068,628; July 29; Gaz. vol. 192; p. 1074.
- Clarke, Henry B., Highland Park, Ill. Electrocuting insect-trap. No. 1,076,019; Oct. 21; Gaz. vol. 195; p. 547.
- Clarke, James A., Pine Hill, Ala. Seed-planter and fertilizer-distributor. No. 1,058,552; Apr. 1; Gaz. vol. 189; p. 442.
- Clarke, James U., Philadelphia, Pa. Revolving target. No. 1,076,002; Oct. 14; Gaz. vol. 195; p. 513.
- Clarke, John Q., Crawfordsville, Ind. Animal-trough. No. 1,066,710; July 8; Gaz. vol. 192; p. 312.
- Clarke, John R. (See Mt. Joy, Albert, assignor.)
- Clarke, John S., East Cleveland, Ohio. Convertible engine and compressor. No. 1,055,611; Mar. 11; Gaz. vol. 188; p. 356.
- Clarke, Marcus S., Houston, Tex., assignor to one-half to E. L. Adreon, Jr., St. Louis, Mo. Tie-plate. No. 1,059,439; Apr. 22; Gaz. vol. 189; p. 824.
- Clarke, Matthew, Wilkes-Barre, Pa. Safety-pocket. No. 1,058,844; Apr. 15; Gaz. vol. 189; p. 580.
- Clarke, Ralph S., assignor to C. S. Bird, East Walpole, Mass. Carton-feeding machine. No. 1,068,323; July 22; Gaz. vol. 192; p. 930.
- Clarke, Richard T., Columbus, Ohio. Garment-supporter. No. 1,077,671; Nov. 4; Gaz. vol. 196; p. 148.
- Clarke, Samuel H., Richmond, Va. Door-lock. No. 1,061,449; May 13; Gaz. vol. 190; p. 338.
- Clarke, St. John, Bogota, N. J. Apparatus for handling concrete and like materials. No. 1,050,427; Jan. 14; Gaz. vol. 186; p. 411.
- Clarke, Thomas J., Jamestown, N. Y. Label-holder. No. 1,065,112; June 17; Gaz. vol. 191; p. 728.
- Clarke, Thomas J., Jamestown, N. Y. Label-holder. No. 1,065,293; June 17; Gaz. vol. 191; p. 788.
- Clarke, Walter J., assignor, by mesne assignments, to The Gasoline Safety Appliance Company, San Francisco, Cal. Safety spout-closure. No. 1,052,710; Feb. 11; Gaz. vol. 187; p. 327.
- Clarke, William H., New York, N. Y., and O. A. Ross, Chicago, Ill., assignors to General Electric Company. Electric regulator. No. 1,074,773; Oct. 7; Gaz. vol. 195; p. 65.
- Clarke, William J., Montreal, Mo. Spray-pump and tank. No. 1,069,767; Aug. 12; Gaz. vol. 193; p. 264.
- Clarkson, Eliud J. (See Clarkson, William H., assignor.)
- Clarkson, William H., Edwards Station, Ill. Coal-drill. No. 1,049,454; Jan. 7; Gaz. vol. 186; p. 46.
- Clarkson, William H., assignor to E. J. Clarkson, Edwards Station, Ill. Adjustable handle for tools. No. 1,049,455; Jan. 7; Gaz. vol. 186; p. 47.
- Clarus, Bruno, Liege, Belgium. Recoil-loader with fixed barrel. No. 1,057,329; Mar. 25; Gaz. vol. 188; p. 1006.
- Clary, Burton N., Beverly, Mass., assignor to United Shoe Machinery Company, Paterson, N. J. Machine for pulling tacks from lasted shoes. No. 1,059,349; Apr. 22; Gaz. vol. 189; p. 791.
- Clasen, Claus J. W., Davenport, assignor to The Bettendorf Company, Bettendorf, Iowa. Car-truck. No. 1,070,325; Aug. 12; Gaz. vol. 193; p. 455.
- Clasen, Claus J. W., Davenport, assignor, by mesne assignments, to The Bettendorf Company, Bettendorf, Iowa. Hopper-bottom dump-car. No. 1,071,141; Aug. 26; Gaz. vol. 193; p. 804.
- Claude, Georges, assignor to Société L'Air Liquide (Société Anonyme pour l'Etude et l'Exploitation des Procédés Georges Claude), Paris, France. Separation of the constituents of gaseous mixtures. No. 1,068,219; July 22; Gaz. vol. 192; p. 893.
- Claudel, Charles H., Paris, France. Carbureter. No. 1,073,473; Sept. 16; Gaz. vol. 194; p. 692.
- Clauder, Arthur W., assignor to The Bryant Electric Company, Bridgeport, Conn. Electric-lamp key-socket. No. 1,055,137; Mar. 4; Gaz. vol. 188; p. 163.
- Clauder, Arthur W., assignor to The Bryant Electric Company, Bridgeport, Conn. Electric-lamp socket. No. 1,082,404; Dec. 23; Gaz. vol. 197; p. 945.
- Claus, Emil A. (See Claussen and Claus.)
- Claus, Philip S., Detroit, Mich. Internal-combustion engine. No. 1,076,953; Oct. 28; Gaz. vol. 195; p. 928.
- Clausen, Henry P., and W. T. Curtis, assignors to S. C. Scotten, trustee, Chicago, Ill. Call-register. No. 1,078,772; Nov. 18; Gaz. vol. 196; p. 592.
- Clausing, George, assignor to The Vulcan Box Toe Process Co., Portsmouth, Ohio. Last-turning lathe. No. 1,052,217; Feb. 4; Gaz. vol. 187; p. 129.
- Claussen, Edward E., and E. A. Claus, Hartford, Conn., assignors to Public Service Cup Company, New York, N. Y. Coating-machine. No. 1,055,320; Mar. 11; Gaz. vol. 188; p. 259.
- Claussen, Walter E., Hartford, Conn. Paper drinking-cup. No. 1,069,675; Aug. 12; Gaz. vol. 193; p. 231.
- Clavans, Morris Z., assignor of one-half to W. Goldstein, Philadelphia, Pa. Cloth or fabric cutter. No. 1,061,982; May 20; Gaz. vol. 190; p. 560.
- Clavel, Alexander, assignor to Farberei & Appreturgesellschaft vormals A. Clavel & Fritz Lindenmeyer, Basel, Switzerland. Apparatus for smoothing hanks of textile materials. No. 1,083,003; Dec. 30; Gaz. vol. 197; p. 1185.
- Clawson, Charles F., Mount Pleasant, Iowa. Combination tie-plate and track-anchor. No. 1,050,613; Jan. 14; Gaz. vol. 186; p. 477.
- Clawson, George E., Lebanon, and R. E. Ferris, Indianapolis, Ind. Coin-controlled lock. No. 1,070,408; Aug. 19; Gaz. vol. 193; p. 525.
- Clawson, Leonard E., San Francisco, Cal. Fireplace stove structure. No. 1,059,034; Apr. 15; Gaz. vol. 189; p. 647.
- Clawson, Selden I., Salt Lake City, Utah. Fume-arrester. No. 1,083,057; Dec. 30; Gaz. vol. 197; p. 1202.
- Clay, Harry C., Columbus, Ind., assignor to Emerson-Brantingham Company, Rockford, Ill. Transmission-gearing for traction-engines. No. 1,066,997; July 8; Gaz. vol. 192; p. 408.
- Clay, Harry C., Columbus, Ind., assignor to Emerson-Brantingham Company, Rockford, Ill. Power steering-gear for traction-engines. No. 1,072,824; Sept. 9; Gaz. vol. 194; p. 425.
- Clay, Joseph D., Enola, Pa. Impulse-valve. No. 1,065,220; June 17; Gaz. vol. 191; p. 762.
- Clay, Odin G., Washington, D. C. Cellar-door. No. 1,068,856; July 29; Gaz. vol. 192; p. 1155.
- Clay, Samuel, Garwood, Tex. Automatic wrench. No. 1,049,995; Jan. 7; Gaz. vol. 186; p. 228.
- Clay, William O. (See Adams, James H., assignor.)
- Claybourn, Leslie W. (See Brown, Cyrus G., assignor.)
- Claypoole, Guy C., West Somerville, assignor of one-fourth to A. J. Leavitt, Boston, Mass. Voting-machine. No. 1,058,723; Apr. 15; Gaz. vol. 189; p. 536.
- Clayton, John W., Yantis, Tex. Cotton-chopper. No. 1,070,873; Aug. 19; Gaz. vol. 193; p. 681.
- Clayton, Joy, Stotts City, Mo. Holdback. No. 1,073,028; Sept. 9; Gaz. vol. 194; p. 499.
- Clayton, Lee A., Cottondale, Ala. Combined incubator and brooder. No. 1,051,988; Feb. 4; Gaz. vol. 187; p. 48.
- Clayton, O. W., et al. (See Holsclaw, Thomas C., assignor.)
- Clayton, Robert F., Wimberly, Tex. Drill-cable clamp. No. 1,061,221; May 6; Gaz. vol. 190; p. 225.
- Clayton, William F., Arden, N. C. Bottle-stopper remover. No. 1,065,113; June 17; Gaz. vol. 191; p. 729.
- Clayton, William H. (See Dorman and Clayton.)
- Clayton, William H., Poplar Bluff, assignor to Dalton Adding Machine Company, St. Louis, Mo. Type-writing machine. No. 1,053,480; Feb. 18; Gaz. vol. 187; p. 637.
- Clayton, William R., Barberton, Ohio. Moisture-proof construction. No. 1,072,310; Sept. 2; Gaz. vol. 194; p. 216.
- Clayton, Woodfred E., assignor of one-half to T. C. Lutnesky, Los Angeles, Cal. Dental engine. No. 1,071,395; Aug. 26; Gaz. vol. 193; p. 890.
- Cleal, Joseph P., assignor, by mesne assignments, to The National Cash Register Company, Dayton, Ohio. Cash-register. No. 1,080,001; Dec. 2; Gaz. vol. 197; p. 29.
- Cleary, John C. (See Cleary, William J., W. B., and J. C.)
- Cleary, Joseph N., assignor of one-half to J. S. Zehner, Trenton, N. J. Plasterer's non-callous hawk-bearing. No. 1,059,035; Apr. 15; Gaz. vol. 189; p. 648.
- Cleary, Maud L., Boise, Idaho. Calculator. No. 1,061,819; May 13; Gaz. vol. 190; p. 463.
- Cleary, William B. (See Cleary, William J., W. B., and J. C.)
- Cleary, William J., W. B., and J. C., Jeffersontown, assignors of one-fourth to W. R. B. Hall, Mount Washington, Ky. Nut-lock. No. 1,073,665; Sept. 23; Gaz. vol. 194; p. 780.

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- Cleek, James D. (See Dye, Lilburn, assignor.)
 Cleff, Robert C. vom. (See Eckhardt and Cleff.)
 Cleff, Robert C. vom, Hoboken, N. J. Millinery-pliers. No. 1,077,672; Nov. 4; Gaz. vol. 196; p. 148.
 Clegg, Wilton L., Monroe, Ga. Swingletree. No. 1,055,612; Mar. 11; Gaz. vol. 188; p. 357.
 Cleghorn, John M. (See Fairall, Boley, and Cleghorn.)
 Clehous, Colon A., Haven, Kans. Concrete floor and wall. No. 1,063,658; June 3; Gaz. vol. 191; p. 170.
 Cleland, Hance H. (See Stafford, Tyra B., assignor.)
 Clelland, William J., assignor of one-half to Watertown Specialty Company, Watertown, N. Y. Combined hand and air brake. No. 1,061,900; May 13; Gaz. vol. 190; p. 489.
 Clemans, William M., *et al.* (See Dillon, Friend E., assignor.)
 Clemen, William F., *et al.* (See Lake, John L., assignor.)
 Cléménec, Louis E., Paris, France. Clutch. No. 1,061,048; May 6; Gaz. vol. 190; p. 170.
 Clemens, Albert, Louisville, Ky. Device for delivering material from a container. No. 1,072,427; Sept. 9; Gaz. vol. 194; p. 286.
 Clemens, John E., Pampa, Wash. Currycomb. No. 1,050,103; Jan. 14; Gaz. vol. 186; p. 301.
 Clemens, John G., assignor of one-half to F. H. Kaiser, Buffalo, N. Y. Refillable fuse-plug. No. 1,062,889; May 27; Gaz. vol. 190; p. 904.
 Clemens, Maurice C., *et al.* (See Morral, John, assignor.)
 Clemens, William M., *et al.* (See Dillon, Friend E., assignor.)
 Clement, Alfred J. B., Plainfield, N. J. Puzzle. No. 1,080,955; Dec. 9; Gaz. vol. 197; p. 392.
 Clement, Don L., Evangeline, La. Traction-wheel. No. 1,052,317; Feb. 4; Gaz. vol. 187; p. 161.
 Clement, Edward E., Washington, D. C., assignor to The Clement International Engineering Corporation, Camden, N. J. Automatic switch for telephone-exchange systems. No. 1,076,020; Oct. 21; Gaz. vol. 195; p. 547.
 Clement, George A., Beloit, Wis. Carbureter. No. 1,061,582; May 13; Gaz. vol. 190; p. 387.
 Clement, Henry W., Rutland, Vt. Transfer mechanism for calculating-machines. No. 1,078,662; Nov. 18; Gaz. vol. 196; p. 551.
 Clement International Engineering Corporation, The. (See Clement, Edward E., assignor.)
 Clement, James W., Vernon Center, Minn. Door-check. No. 1,069,676; Aug. 12; Gaz. vol. 193; p. 232.
 Clement, Joseph, assignor of one-fourth to J. Reneaud, Proctor, Minn. Car-replacer. No. 1,064,818; June 17; Gaz. vol. 191; p. 632.
 Clement, Margaret, administratrix. (See Clement, Nelson.)
 Clement, Nelson, deceased; M. Clement, administratrix. Chicago, Ill. Bed. No. 1,071,396; Aug. 26; Gaz. vol. 193; p. 890.
 Clement, Styles K. (See Boller and Clement.)
 Clement, Styles K. (See Boller, Blemer, and Clement.)
 Clement, William, Phillipsburg, N. J., assignor to Ingersoll-Rand Company, New York, N. Y. Percussive tool. No. 1,078,188; Nov. 11; Gaz. vol. 196; p. 356.
 Clements, Charles J., Brooklyn, assignor to The Clements Co., New York, N. Y. Attachment for sheet-metal constructions. No. 1,062,635; May 27; Gaz. vol. 190; p. 821.
 Clements, Charlton M., McRae, Ga. Riding-cultivator. No. 1,050,614; Jan. 14; Gaz. vol. 186; p. 477.
 Clements Co., The. (See Clements, Charles J., assignor.)
 Clements, George, Chicago, Ill., assignor to Clements Mfg. Co. Bellows attachment for vacuum-cleaners. No. 1,060,742; May 6; Gaz. vol. 190; p. 62.
 Clements, George, assignor to Clements Mfg. Co., Chicago, Ill. Handle-clips for vacuum-cleaners. No. 1,082,069; Dec. 23; Gaz. vol. 197; p. 830.
 Clements, George S., assignor of one-half to F. P. Bartley, Bellefonte, Pa. Faucet. No. 1,049,673; Jan. 7; Gaz. vol. 186; p. 121.
 Clements Mfg. Co. (See Clements, George, assignor.)
 Clements, Perry. (See Meadows, Peter W. L., assignor.)
 Clements, Robert. (See Burns, James F., assignor.)
 Clements, Roy. (See Evans and Clements.)
 Clemetsen Company, The. (See Vaaler, Jens, assignor.)
 Clemm, Nora K., Bridgeport, Conn. Kitchen utensil. No. 1,053,573; Feb. 18; Gaz. vol. 187; p. 669.
 Clemmer, Howard M., Gastonia, N. C. Metal shingle. No. 1,072,825; Sept. 9; Gaz. vol. 194; p. 426.
 Clemons, Harry K., St. Paul, Minn. Road-grader. No. 1,067,308; July 15; Gaz. vol. 192; p. 552.
 Clemson, Richard D., Middletown, N. Y. Cranking device. No. 1,052,438; Feb. 4; Gaz. vol. 187; p. 203.
 Clerke, Augustus B. H. (See Hadfield, Jack, and Clerke.)
 Cleve, Clarence T., San Francisco, Cal. Valve mechanism for internal-combustion engines. No. 1,067,865; July 22; Gaz. vol. 192; p. 773.
 Cleveland Armature Works. (See Pifer, Alvin A., assignor.)
 Cleveland Car Specialty Company. (See Bidle and Costello, assignors.)
 Cleveland Car Specialty Company. (See Costello, Joseph A., assignor.)
 Cleveland, Charles C., Boulder, Colo. Combined tire-pressure indicator and signal. No. 1,071,880; Sept. 2; Gaz. vol. 194; p. 73.
 Cleveland, Charles E., Fond du Lac, Wis. Twin band-saw mill. No. 1,081,525; Dec. 16; Gaz. vol. 197; p. 620.
 Cleveland, Charles E., Fond du Lac, Wis. Lumber-trimmer. No. 1,082,405; Dec. 23; Gaz. vol. 197; p. 945.
 Cleveland, Edgar W., Grand Rapids, Mich. Adjustable arm for multiple-spindle drills. No. 1,082,009; Dec. 23; Gaz. vol. 197; p. 810.
 Cleveland, Francis D., Winchester, assignor to William Underwood Company, Boston, Mass. Machine for cutting off the heads and tails of fish. No. 1,078,717; Nov. 18; Gaz. vol. 196; p. 572.
 Cleveland, Francis D., Winchester, assignor to William Underwood Company, Boston, Mass. Machine for handling and cutting fish. No. 1,078,718; Nov. 18; Gaz. vol. 196; p. 572.
 Cleveland, Francis D., Winchester, assignor to William Underwood Company, Boston, Mass. Fish-cutting machine. No. 1,078,719; Nov. 18; Gaz. vol. 196; p. 572.
 Cleveland, Francis D., Winchester, assignor to William Underwood Company, Boston, Mass. Positioning fish. No. 1,078,720; Nov. 18; Gaz. vol. 196; p. 573.
 Cleveland, Fred P., assignor to B. F. Perkins and Son, Incorporated, Holyoke, Mass. Strength-testing machine. No. 1,066,447; July 1; Gaz. vol. 192; p. 188.
 Cleveland, George H., San Antonio, Tex. Railway-script holder. No. 1,081,094; Dec. 9; Gaz. vol. 197; p. 435.
 Cleveland Hardware Company, The. (See Vanderveer, David E., assignor.)
 Cleveland Ice Machine & Manufacturing Company, The. (See Zimmer, Wilson A., assignor.)
 Cleveland, J. Fred. (See Schreck, Adolph, assignor.)
 Cleveland Pneumatic Tool Company, The. (See Scott, Arthur, assignor.)
 Cleveland Rock Drill Company, The. (See Richards, Charles B., assignor.)
 Cleveland Rock Drill Company, The. (See Richards and Jenkins, assignors.)
 Cleveland, William H., Jr., Superior, Wis. Gage attachment for drawing-knives. No. 1,080,419; Dec. 2; Gaz. vol. 197; p. 177.
 Cliff, George H., assignor to The De Long Hook and Eye Company, Philadelphia, Pa. Snap-fastener. No. 1,059,979; Apr. 29; Gaz. vol. 189; p. 1044.
 Cliff, George H., and W. J. Galt, Jr., assignors to The De Long Hook and Eye Company, Philadelphia, Pa. Means for tagging hook-and-eye tape. No. 1,056,088; Mar. 18; Gaz. vol. 188; p. 552.
 Clifford, Herbert, Jersey City, N. J. Resilient and suspension wheel for vehicles. No. 1,066,797; July 8; Gaz. vol. 192; p. 341.
 Clifford, James J., Green Island, N. Y. Demijohn-washer. No. 1,082,502; Dec. 30; Gaz. vol. 197; p. 1010.
 Clifford, John, assignor of one-half to W. Byrd, Colfax, Wash. Burner for lamps. No. 1,081,095; Dec. 9; Gaz. vol. 197; p. 435.
 Clifford, Stanley, Laleham-on-Thames, England. Appliance for use in playing a game of golf. No. 1,063,119; May 27; Gaz. vol. 190; p. 980.
 Clift, Arthur S., London, England. Plant or apparatus for the sampling of ores. No. 1,062,636; May 27; Gaz. vol. 190; p. 821.
 Clifton, James P., assignor to Water Power Vacuum Cleaner Co., Buffalo, N. Y. Vacuum cleaning apparatus. No. 1,080,420; Dec. 2; Gaz. vol. 197; p. 177.
 Clifton Manufacturing Company. (See Thoma, Andrew, assignor.)
 Clifton Manufacturing Company. (See Zickerman, Wilhelm A., assignor.)
 Clifton, Robert F., Mount Airy, N. C. Wagon-hounds. No. 1,073,958; Sept. 23; Gaz. vol. 194; p. 881.
 Climax Lock and Ventilator Company. (See Martzloff and Marshall, assignors.)
 Climer, Laura A., Chicago, Ill. Furniture-caster. No. 1,076,954; Oct. 28; Gaz. vol. 195; p. 929.
 Clinchard, Edward W., Sedro Woolley, Wash. Dental-appliance holder. No. 1,076,550; Oct. 21; Gaz. vol. 195; p. 732.
 Cline, Albert B., Ashland, Nebr. Anvil attachment. No. 1,058,220; Apr. 8; Gaz. vol. 189; p. 328.
 Cline, Benjamin F., and J. F. Hensley, Indianapolis, Ind. Sign. No. 1,072,088; Sept. 2; Gaz. vol. 194; p. 143.
 Cline, David, Watsontown, Pa. Heating apparatus for vehicles. No. 1,052,318; Feb. 4; Gaz. vol. 187; p. 161.
 Cline, David L. (See Arnold, James E., assignor.)
 Cline, Fred N., Chicago, Ill. Casting-machine. No. 1,057,528; Apr. 1; Gaz. vol. 189; p. 45.
 Cline, Jerome G., Plainfield, N. J., assignor to The Yale & Towne Manufacturing Company, Stamford, Conn. Bushing for the suspension-plates of hoist-blocks. No. 1,064,612; June 10; Gaz. vol. 191; p. 528.
 Cline, Thurman R., Andrews, Ind. Inflatable ball. No. 1,059,836; Apr. 22; Gaz. vol. 189; p. 953.
 Clingeffer, Alan B., Stewart Island, New Zealand. Hat-fastener. No. 1,063,855; June 3; Gaz. vol. 191; p. 235.
 Clingenpeel, Lloyd E., Bringhurst, Ind. Mail-bag catching and delivery apparatus. No. 1,058,553; Apr. 8; Gaz. vol. 189; p. 442.

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- Clingman, William H., Chicago, Ill. Journal-cooling device. No. 1,082,503; Dec. 30; Gaz. vol. 197; p. 1010.
- Clinton Fireproofing Co. of New England, The. (See Berry, Michael E., assignor.)
- Clinton, William C., Brooklyn, N. Y. Drill. No. 1,065,778; June 24; Gaz. vol. 191; p. 991.
- Clinton Wire Cloth Company. (See Smith, Herbert L., assignor.)
- Clippinger, Amos B., Kansas City, Mo. Wagon-box. No. 1,082,584; Dec. 30; Gaz. vol. 197; p. 1040.
- Cloes, Benjamin J., Los Angeles, Cal. Grape-picking implement. No. 1,061,661; May 13; Gaz. vol. 190; p. 414.
- Cloninger, William M., Paris, Ark. Portable electric light. No. 1,057,529; Apr. 1; Gaz. vol. 189; p. 45.
- Close, Charles F., Barnard, N. Y. Chamfering-hovel. No. 1,063,120; May 27; Gaz. vol. 190; p. 980.
- Closson, Walter, Verviers, and J. Miessen, Ensival, Belgium. Apparatus for starting internal-combustion motors. No. 1,082,149; Dec. 23; Gaz. vol. 197; p. 855.
- Clothier, Willis, New Castle, Del. Automatic weighing-machine. No. 1,061,983; May 20; Gaz. vol. 190; p. 560.
- Clothmeter Manufacturing Company. (See Heckel, Kachel, Goessling, and Pauk, assignors.)
- Cloud, Benjamin F., Cupertino, Cal. Gas-engine starter. No. 1,058,554; Apr. 8; Gaz. vol. 189; p. 443.
- Cloud, Don E., Inavale, Nebr. Topper attachment for corn harvesters or binders. No. 1,053,278; Feb. 18; Gaz. vol. 187; p. 567.
- Cloud, John W., London, England, assignor to The Westinghouse Air Brake Company, Pittsburgh, Pa. Combined automatic and straight-air brake. No. 1,075,549; Oct. 14; Gaz. vol. 195; p. 359.
- Cloud, John W., London, England, assignor to The Westinghouse Air Brake Company, Pittsburgh, Pa. Fluid-pressure brake. No. 1,076,664; Oct. 28; Gaz. vol. 195; p. 825.
- Clouette, Nelson C. (See Gould and Clouette.)
- Clough, Harry. (See Snow, Isaac, assignor.)
- Clough, Henry W., South Pasadena, Cal. Window-shade fixture. No. 1,082,736; Dec. 30; Gaz. vol. 197; p. 1093.
- Clough, William R., Alton, N. H. Easel or holder for photographs, cards, price-tickets, and the like. No. 1,081,018; Dec. 9; Gaz. vol. 197; p. 412.
- Cloutier, Louis J., Providence, R. I. Blow-torch. No. 1,077,391; Nov. 4; Gaz. vol. 196; p. 53.
- Clover, Cuvier L., et al. (See Moore, Otis G., assignor.)
- Clover Manufacturing Company. (See Gallaher, Edward B., assignor.)
- Clowes, Sumpter A., Pittsburgh, Pa. Die. No. 1,071,702; Sept. 2; Gaz. vol. 194; p. 11.
- Cluett, Peabody & Co. (See Friedmann, Harry, assignor.)
- Cluett, Peabody & Co. (See Halliday Samuel J., assignor.)
- Cluett, Peabody & Co. (See Hurd, Hubbard F., assignor.)
- Cluett, Peabody & Co. (See Schreiner and Kurz, assignors.)
- Cluett, Sanford L., Hoosick Falls, N. Y. Harrow-tooth clip. No. 1,063,508; June 3; Gaz. vol. 191; p. 114.
- Clune, William H. (See Brown, Harry D., assignor.)
- Clute, Nettie A., Rensselaer, N. Y. Folding crate. No. 1,079,328; Nov. 25; Gaz. vol. 196; p. 813.
- Cluthe, Alfred, et al. (See Cluthe, Charles, assignor.)
- Cluthe, Charles, Glen Ridge, N. J., assignor to C., Jr., F. W. H., and A. Cluthe. Truss. No. 1,073,216; Sept. 16; Gaz. vol. 194; p. 601.
- Cluthe, Charles, Glen Ridge, N. J., assignor to C., Jr., F. W. H., and A. Cluthe. Holding-pad for rupture-trusses. No. 1,073,217; Sept. 16; Gaz. vol. 194; p. 602.
- Cluthe, Charles, Sr., Glen Ridge, N. J. Truss-pad supporter. No. 1,063,009; May 27; Gaz. vol. 190; p. 943.
- Cluthe, Frederick, et al. (See Cluthe, Charles, assignor.)
- Cluthe, Hermann, et al. (See Cluthe, Charles, assignor.)
- Clutsam, Frederick, assignor of one-half to E. Jacob, Berlin, Germany. Keyboard for musical instruments. No. 1,072,311; Sept. 2; Gaz. vol. 194; p. 216.
- Clutter, Elmer H., Innisfree, Alberta, Canada. Computing-scale. No. 1,066,583; July 8; Gaz. vol. 192; p. 267.
- Clutter, Samuel T. (See Gow and Clutter.)
- Clyde Iron Works. (See Beckwith and Bjorge, assignors.)
- Clyne, Robert G., Alton, assignor to Western Cartridge Company, East Alton, Ill. Cartridge. No. 1,060,817; May 6; Gaz. vol. 190; p. 87.
- Clyne, Robert G., Alton, assignor to Western Cartridge Company, East Alton, Ill. Cartridge. No. 1,060,818; May 6; Gaz. vol. 190; p. 87.
- Co-operative Manufacturing Company. (See Barteaux, John M., assignor.)
- Co-Ran Bed Company. (See Conant, John, assignor.)
- Coakley, William F., and J. S. Levene, Kansas City, Mo. Vacuum separating-trap. No. 1,079,398; Nov. 25; Gaz. vol. 196; p. 837.
- Coan, Fred W., Manchester, N. H. Machine for opening and flattening seams. No. 1,071,298; Aug. 26; Gaz. vol. 193; p. 856.
- Coates, Albert O., et al. (See Denison, Nathan B., assignor.)
- Coates, Emma F., Chattanooga, Tenn. Manifold check-holder. No. 1,075,090; Oct. 7; Gaz. vol. 195; p. 173.
- Coates, Frederick, assignor to Standard Automatic Machine Company, New York, N. Y. Automatic label-applying machine. No. 1,049,996; Jan. 7; Gaz. vol. 186; p. 228.
- Coates, George H., Worcester, Mass. Gearing. No. 1,068,483; July 29; Gaz. vol. 192; p. 1024.
- Coates, John, Manchester, England. Dynamometer. No. 1,059,837; Apr. 22; Gaz. vol. 189; p. 953.
- Coates, John, Worcester, England. Superheater. No. 1,070,115; Aug. 12; Gaz. vol. 193; p. 382.
- Coates, Leo, Pittsburgh, Pa. Hose-coupling. No. 1,050,615; Jan. 14; Gaz. vol. 186; p. 477.
- Coates, Robert, Washington, D. C. Combined comb and hair-cutter. No. 1,050,343; Jan. 14; Gaz. vol. 186; p. 382.
- Coates, Robert, assignor to Schunck & Ogg, New York, N. Y. Lubricator. No. 1,069,677; Aug. 12; Gaz. vol. 193; p. 232.
- Coates, William A., Sidell, Ill. Combination cord-holder and fastener-clencher. No. 1,061,165; May 6; Gaz. vol. 190; p. 206.
- Coates, William W., Enid, Okla. Silo-door. No. 1,068,857; July 29; Gaz. vol. 192; p. 1155.
- Cobb, Alton E., and H. L. Parker, Los Angeles, Cal. Suction-pounder for washing-machines. No. 1,072,312; Sept. 2; Gaz. vol. 194; p. 216.
- Cobb, Benjamin J., Rome, Ga. Nut-lock. No. 1,064,711; June 17; Gaz. vol. 191; p. 598.
- Cobb, Charles H., Great Falls, Mont. Signaling device for locomotives. No. 1,067,407; July 15; Gaz. vol. 192; p. 585.
- Cobb, Dillard, and C. H. Shaw, Nineveh, Ind., assignors to Sunshine Specialty Manufacturing Company. Umbrella-holder for corn-plows. No. 1,072,574; Sept. 9; Gaz. vol. 194; p. 338.
- Cobb, Edward S., Whittier, Cal. Railway intersection. No. 1,074,082; Sept. 23; Gaz. vol. 194; p. 921.
- Cobb, Edward S., Whittier, Cal. Railway intersection. No. 1,074,083; Sept. 23; Gaz. vol. 194; p. 922.
- Cobb, Henry Z., Winchester, Mass., assignor, by mesne assignments, to Revere Rubber Company. Braided fabric and making it. (Reissue.) No. 13,568; May 27; Gaz. vol. 190; p. 999.
- Cobb, Lyman H., Fitchburg, Mass., assignor, by mesne assignments, to Young Safety Razor Company, Philadelphia, Pa. Safety-razor. (Reissue.) No. 13,563; May 20; Gaz. vol. 190; p. 760.
- Cobb, Richard R., Texarkana, Ark. Preserving meats. No. 1,054,905; Mar. 4; Gaz. vol. 188; p. 86.
- Cobb, William, Jackson, Mich. Mold for concrete blocks. No. 1,052,571; Feb. 11; Gaz. vol. 187; p. 280.
- Cobb, William H., Sharon Hill, Pa. Show-case. No. 1,075,334; Oct. 14; Gaz. vol. 195; p. 284.
- Cobbin, Harry G., assignor to Bastian Brothers Company, Rochester, N. Y. Combined mirror and pin. No. 1,058,845; Apr. 15; Gaz. vol. 189; p. 581.
- Coberly, Jesse L. (See Gillisple and Coberly.)
- Coblentz, William W., Washington, D. C. Thermal generator. No. 1,077,219; Oct. 28; Gaz. vol. 195; p. 1013.
- Coblentz, William W., Washington, D. C. Thermopile. No. 1,081,365; Dec. 16; Gaz. vol. 197; p. 566.
- Cocanari, Silvio, Vieux-Dieu, Belgium. Magazine film-holder. No. 1,076,191; Oct. 21; Gaz. vol. 195; p. 605.
- Coccia, Gaetano, Pittsburgh, Pa. Railway-rail and track construction. No. 1,065,779; June 24; Gaz. vol. 191; p. 991.
- Cochran, Andrew, assignor to Cochran, Drugan & Co., Trenton, N. J. Siphon water-closet. No. 1,067,095; July 8; Gaz. vol. 192; p. 440.
- Cochran, Andrew, assignor to Cochran, Drugan & Co., Trenton, N. J. Siphon water-closet. No. 1,067,096; July 8; Gaz. vol. 192; p. 441.
- Cochran, Clyde E. (See Ahlm and Cochran.)
- Cochran, Clyde E., assignor to The Elwell-Parker Electric Company of America, Cleveland, Ohio. Controller. No. 1,073,397; Sept. 16; Gaz. vol. 194; p. 666.
- Cochran, David, Richton, Miss. Plow. No. 1,082,406; Dec. 23; Gaz. vol. 197; p. 946.
- Cochran, Drugan & Co. (See Cochran, Andrew, assignor.)
- Cochran, James M., Chicago, Ill. Wrench. No. 1,071,703; Sept. 2; Gaz. vol. 194; p. 11.
- Cochran, Joseph E., et al. (See Keil, Peter, assignor.)
- Cochran, Joseph E. (See Keil and Stephens, assignors.)
- Cochran, Thomas J., Monessen, Pa. Wire-painting brush. No. 1,051,555; Jan. 28; Gaz. vol. 186; p. 866.
- Cochran, William, Paterson, N. J. Jacquard-card-cutting machine. No. 1,069,529; Aug. 5; Gaz. vol. 193; p. 153.
- Cochran, William R., Jr., Toledo, Ohio. Oil-burner. No. 1,057,937; Apr. 1; Gaz. vol. 189; p. 185.
- Cochrane, Charles, Cincinnati, Ohio. Pinless clothes-line. No. 1,057,119; Mar. 25; Gaz. vol. 188; p. 937.
- Cochrane, James J., Jersey City, N. J. Eyeglass-cleaner. No. 1,059,440; Apr. 22; Gaz. vol. 189; p. 824.
- Cochrane, R. F., et al. (See Alexander, Jesse, assignor.)

Alphabetical list of patentees—Continued.

- Cock, Benjamin, assignor to Holman Brothers, Limited, Camborne, England. Chuck. No. 1,062,223; May 20; Gaz. vol. 190; p. 642.
- Cock, Lucius A., Chicago, Ill. Indicator. No. 1,078,573; Nov. 11; Gaz. vol. 196; p. 489.
- Cockburn, Robert, and D. MacNicol, Cardonald, Glasgow, Scotland. Safety-valve. No. 1,056,005; Mar. 18; Gaz. vol. 188; p. 524.
- Cockcroft, Walter, Bethlehem, Pa. Shade-roller support. No. 1,054,506; Feb. 25; Gaz. vol. 187; p. 1024.
- Cockcroft, Walter, New York, N. Y., assignor of one-half to W. J. Murray, Bristol, Pa. Collar-button. No. 1,063,776; June 3; Gaz. vol. 191; p. 210.
- Cocke, A. A. (See Schmidt, Harel, assignor.)
- Cocker & Co., M. (See Cocker, Frederick W., assignor.)
- Cocker, Frederick W., assignor to M. Cocker & Co., Philadelphia, Pa. Brush. No. 1,064,444; June 10; Gaz. vol. 191; p. 472.
- Cocker, John A. (See Sprague and Cocker.)
- Cockins, Almira, New Concord, Ohio. Dish-drainer. No. 1,059,350; Apr. 22; Gaz. vol. 189; p. 792.
- Cocksedge, Herbert E. (See Freeth and Cocksedge.)
- Codd, Joseph W. (See Harriid, Guilford R., assignor.)
- Coddington, Harry W., Roanoke, Va. Flange-lubricator. No. 1,073,093; Sept. 16; Gaz. vol. 194; p. 558.
- Codling, Robert B., Bristol, assignor to The Bristol Company, Waterbury, Conn. Belt-coupling device. No. 1,076,868; Oct. 28; Gaz. vol. 195; p. 898.
- Cody, Thomas F., Hawley, S. D. Whiffletree. No. 1,053,011; Feb. 11; Gaz. vol. 187; p. 430.
- Coe, Charles E., assignor to W. F. Morrison, St. Louis, Mo. Belt-fastener. No. 1,062,078; May 20; Gaz. vol. 190; p. 593.
- Coe, Curtis P., McMinnville, Oreg. Calculating device. No. 1,049,997; Jan. 7; Gaz. vol. 186; p. 229.
- Coe, Robert A., Stratford, Okla. Folding chair. No. 1,054,906; Mar. 4; Gaz. vol. 188; p. 86.
- Coe, Sara L. W., New York, N. Y. Stamp or ticket vending machine. No. 1,080,138; Dec. 2; Gaz. vol. 197; p. 77.
- Coe, Sara L. W., H. T. and E. W. Werden, New York, N. Y. Vending-machine. No. 1,074,607; Oct. 7; Gaz. vol. 195; p. 6.
- Coe-Stapley Manufacturing Company, The. (See Garrison, Edward N., assignor.)
- Coen, Frederick W., Los Angeles, Cal. Valve for internal-combustion engines. No. 1,063,567; July 29; Gaz. vol. 192; p. 1051.
- Coen, Garnet W., Venice, Cal. Hydrocarbon-burner. No. 1,060,164; Apr. 29; Gaz. vol. 189; p. 1105.
- Coen, Louis, Victoria, London, England. Smoke-filter for cigarettes. No. 1,070,412; Aug. 19; Gaz. vol. 193; p. 527.
- Coffey, William H., *et al.* (See Morris, William H., assignor.)
- Coffield Motor Washer Co., The. (See Yassenoff, Isidor, assignor.)
- Coffield Motor Washer Company, The. (See Coffield, Peter T., assignor.)
- Coffield, Peter T., assignor to The Coffield Motor Washer Company, Dayton, Ohio. Reciprocating fluid-pressure motor. No. 1,049,456; Jan. 7; Gaz. vol. 186; p. 47.
- Coffin, Antoinette A., Cleveland, Ohio. Door-stop. No. 1,061,269; May 13; Gaz. vol. 190; p. 277.
- Coffin, Arthur E., *et al.* (See Dodge, Frank, assignor.)
- Coffin, Francis P., Schenectady, N. Y., assignor to General Electric Company. Vapor electric device. No. 1,075,402; Oct. 14; Gaz. vol. 195; p. 308.
- Coffin, Howard E. (See Taylor and Coffin.)
- Coffin, Howard E., Detroit, Mich. Explosion-engine. No. 1,060,819; May 6; Gaz. vol. 190; p. 87.
- Coffin, Howard E., Detroit, Mich. Starting device for explosion-engines. No. 1,060,820; May 6; Gaz. vol. 190; p. 88.
- Coffin, Howard E., Detroit, Mich. Overhead storage for manufacturing establishments. No. 1,071,549; Aug. 26; Gaz. vol. 193; p. 939.
- Coffin, Howard E., assignor to Chalmers Motor Company, Detroit, Mich. Speed-control mechanism for motor-vehicles. No. 1,059,526; Apr. 22; Gaz. vol. 189; p. 852.
- Coffin, Joseph G., New York, N. Y., assignor to W. F. Cushman, Boston, Mass. Fountain-pen. No. 1,080,197; Dec. 2; Gaz. vol. 197; p. 97.
- Coffin, Vestal P., Boise, Idaho. Valve mechanism for internal-combustion engines. No. 1,076,551; Oct. 21; Gaz. vol. 195; p. 732.
- Coffin, Walter E., assignor to The National Malleable Castings Company, Cleveland, Ohio. Engine-coupling pocket. No. 1,051,863; Feb. 4; Gaz. vol. 187; p. 6.
- Coffin, Walter E., assignor to The National Malleable Castings Company, Cleveland, Ohio. Timber-pocket. No. 1,054,175; Feb. 25; Gaz. vol. 187; p. 910.
- Coffin, Walter E., assignor to The National Malleable Castings Company, Cleveland, Ohio. Operating mechanism for car-couplings. No. 1,067,584; July 15; Gaz. vol. 192; p. 644.
- Coffin, Walter E., assignor to National Malleable Castings Company, Cleveland, Ohio. Car-coupling. No. 1,067,798; July 22; Gaz. vol. 192; p. 750.
- Coffinger, Arthur W., Jr., Grand Rapids, Mich. Drilling-machine. No. 1,082,150; Dec. 23; Gaz. vol. 197; p. 855.
- Coffman, Albert. (See Craig and Coffman.)
- Coffman, Albert, and R. B. Craig, Kansas City, Mo., assignors to The Automatic Vending Machines Co., Cleveland, Ohio. Automatic vending-machine. No. 1,055,966; Mar. 11; Gaz. vol. 188; p. 476.
- Coffman, Albert L. (See Craig and Coffman.)
- Coffman, Clinton J., East Stroudsburg, Pa. Faucet. No. 1,077,122; Oct. 28; Gaz. vol. 195; p. 983.
- Coffman, Hurshel R., Kansas City, Mo. Flying-machine. No. 1,077,258; Nov. 4; Gaz. vol. 196; p. 6.
- Coffman, William H., Bluefield, W. Va. Bending-machine. No. 1,054,675; Mar. 4; Gaz. vol. 188; p. 8.
- Cogger, William B., Cleveland, assignor to T. Kundtz, Lakewood, Ohio. Support for swinging seats. No. 1,050,518; Jan. 14; Gaz. vol. 186; p. 444.
- Coggin, Charley J., San Angelo, Tex. Spring-axle. No. 1,064,613; June 10; Gaz. vol. 191; p. 528.
- Coggin, Frank F., assignor to The Economy Car Heating Company, New York, N. Y. Exhaust-steam-controlling apparatus. No. 1,062,079; May 20; Gaz. vol. 190; p. 593.
- Coggin, Frank F., Matawan, N. J., assignor to The Economy Car Heating Company, New York, N. Y. Mechanism for controlling the flow of exhaust-steam. No. 1,062,080; May 20; Gaz. vol. 190; p. 593.
- Cogswell, James A., Boston, Mass. Paving-block. No. 1,068,739; July 29; Gaz. vol. 192; p. 1112.
- Cohen, Frederick W., and M. G. Hilpert, Harrisburg, assignors to The Pennsylvania Steel Company, Philadelphia, Pa. Mechanism for lifting heavy weights. No. 1,063,156; May 27; Gaz. vol. 190; p. 991.
- Cohen, Gustav E. (See Chappell and Cohen.)
- Cohen, Hyman, Brooklyn, N. Y. Automobile-hood. No. 1,073,398; Sept. 16; Gaz. vol. 194; p. 667.
- Cohen, Isadore, and A. Landsberg, New York, N. Y. Eye-letting-machine with automatic feed. No. 1,074,490; Sept. 30; Gaz. vol. 194; p. 1085.
- Cohen, Jacob, Rochester, assignor of one-third to F. A. Satter, Chili Center, one-third to J. Cohen and one-third to J. Cohen, Rochester, N. Y. Liquid-soap feeder for washboards. No. 1,067,585; July 15; Gaz. vol. 192; p. 645.
- Cohen, Joseph, *et al.* (See Cohen, Jacob, assignor.)
- Cohen, Reuben, assignor to Manhattan Shoe Trimming Company, Brooklyn, N. Y. Shoe. No. 1,053,974; Feb. 25; Gaz. vol. 187; p. 841.
- Cohn, Adolph, West Hoboken, N. J. Adjustable support for electric lamps. No. 1,052,889; Feb. 11; Gaz. vol. 187; p. 389.
- Cohn, Arthur, Neukölln, near Berlin, Germany. Manufacture of lacquers and varnishes. No. 1,080,100; Dec. 2; Gaz. vol. 197; p. 64.
- Cohn, Max G. (See Parfrey, William J., assignor.)
- Cohn, Max M., Piedmont, assignor of one-half to C. R. Hadley, Los Angeles, Cal. Envelop. No. 1,068,858; July 29; Gaz. vol. 192; p. 1155.
- Cohn, Moses M. (See Bray, William L., assignor.)
- Cohee, Wallace P., and E. C. Fox, assignors of one-third to The William Davies Company, Limited, Toronto, Ontario, Canada. Sausage and casing therefor. No. 1,070,776; Aug. 19; Gaz. vol. 193; p. 651.
- Coil, Ernest B. (See Spooner, Jay B., assignor.)
- Coin Controlled Lock Co. (See Farnsworth, Willis S., assignor.)
- Coin Devices Company, The. (See Campbell and Fellows, assignors.)
- Cokel Company. (See Cooke, Ernest W., assignor.)
- Colardeau, Louis J. E., and J. Richard, Paris, France. Display device. No. 1,073,331; Sept. 16; Gaz. vol. 194; p. 642.
- Colbath, Frank, assignor of one-half to G. Kettle, Dallas, Tex. Reflector for spirit-levels. No. 1,055,878; Mar. 11; Gaz. vol. 188; p. 447.
- Colbath, Monroe D. (See Kemp, Clarence M., assignor.)
- Colbert, Charles W., Westhoff, Tex. Combined book and pencil holder. No. 1,061,820; May 13; Gaz. vol. 190; p. 464.
- Colbert, Clarence F., Hoopeston, Ill. Filling-machine. No. 1,072,428; Sept. 9; Gaz. vol. 194; p. 286.
- Colbert, Clarence F., Hoopeston, Ill. Filling-machine. No. 1,072,429; Sept. 9; Gaz. vol. 194; p. 287.
- Colborne, Oliver, Chicago, Ill. Rimming-machine. No. 1,071,881; Sept. 2; Gaz. vol. 194; p. 73.
- Colborne, Robert F., Strathfield, near Sydney, New South Wales, Australia. Mechanism for operating wheel-brakes by hand for railway purposes. No. 1,075,012; Oct. 7; Gaz. vol. 195; p. 144.
- Colburn, Bethuel V. (See Hilles and Colburn.)
- Colburn, Leslie H., assignor to Colburn Machine Tool Company, Franklin, Pa. Compound table for drill-presses. No. 1,068,324; July 22; Gaz. vol. 192; p. 931.
- Colburn Machine Tool Company. (See Colburn, Leslie H., assignor.)
- Colby, Edward L., Auburn, N. Y. Receiving-transformer for wireless-telegraph systems. No. 1,058,555; Apr. 8; Gaz. vol. 189; p. 443.

Alphabetical list of patentees—Continued.

- Colby, Harry W., and C. Sippel, Chicago, Ill., assignors to Automatic Racking Machine Company. Branding-machine. No. 1,079,313; Nov. 18; Gaz. vol. 196; p. 776.
- Colby, Ora A., Wilkesburg, Pa., assignor to Westinghouse Electric and Manufacturing Company. Electric heating apparatus. No. 1,068,740; July 29; Gaz. vol. 192; p. 1112.
- Coldman, Henry C., Lewisham, and C. F. Webb, Lee, England. Apparatus for mechanically operating musical instruments. No. 1,075,013; Oct. 7; Gaz. vol. 195; p. 145.
- Coldwell, William H., Newburgh, N. Y. Motor lawn-mower. No. 1,059,711; Apr. 22; Gaz. vol. 189; p. 912.
- Coldwell, William H., Newburgh, N. Y. Lawn-mower. No. 1,082,931; Dec. 30; Gaz. vol. 197; p. 1161.
- Cole, Albert L., Auburndale, assignor to F. J. V. Dakin, trustee, Boston, Mass. Interlocking tie-plate for rails. No. 1,062,692; May 27; Gaz. vol. 190; p. 839.
- Cole, Albert L., Auburndale, assignor to F. J. V. Dakin, trustee, Boston, Mass. Interlocking tie-plate for rails. No. 1,062,693; May 27; Gaz. vol. 190; p. 839.
- Cole, Albert L., Auburndale, assignor to F. J. V. Dakin, trustee, Boston, Mass. Combination tie-plate and brace for railway-rails. No. 1,062,694; May 27; Gaz. vol. 190; p. 840.
- Cole, Albert L., Auburndale, assignor to F. C. Parmenter, Gloucester, Mass. Packing. No. 1,078,333; Nov. 11; Gaz. vol. 196; p. 408.
- Cole, Christopher O., Bellingham, Wash. Hauling apparatus. No. 1,060,165; Apr. 29; Gaz. vol. 189; p. 1106.
- Cole, Christopher O., Bellingham, Wash. Hauling apparatus. No. 1,071,882; Sept. 2; Gaz. vol. 194; p. 74.
- Cole, Eben W. (See Turner, Darwin H., assignor.)
- Cole, Edward S., New York, N. Y. Recording device. No. 1,053,085; Feb. 11; Gaz. vol. 187; p. 456.
- Cole, Edward S., Upper Montclair, N. J. Recording device. No. 1,053,086; Feb. 11; Gaz. vol. 187; p. 457.
- Cole, Edwin S. (See Dear and Cole.)
- Cole, Ernest C., Chicago, Ill. Range and stove. No. 1,064,614; June 10; Gaz. vol. 191; p. 528.
- Cole, Eugene M., Charlotte, N. C. Fertilizer-distributor. No. 1,074,929; Oct. 7; Gaz. vol. 195; p. 116.
- Cole, Eugene M., Charlotte, N. C. Stalk-cutter. No. 1,074,930; Oct. 7; Gaz. vol. 195; p. 116.
- Cole, Eugene M., Charlotte, N. C. Fertilizer-distributor. No. 1,075,193; Oct. 7; Gaz. vol. 195; p. 208.
- Cole, Eusebius A., Charlotte, N. C. Safety-razor. No. 1,051,389; Jan. 28; Gaz. vol. 186; p. 808.
- Cole, Francis J., Schenectady, N. Y. Locomotive driving-box. No. 1,057,220; Mar. 25; Gaz. vol. 188; p. 972.
- Cole, Francis J., Schenectady, N. Y. Drifting-valve for locomotives. No. 1,058,352; Apr. 8; Gaz. vol. 189; p. 374.
- Cole, Francis J., Schenectady, N. Y. Locomotive-engine. No. 1,060,230; Apr. 29; Gaz. vol. 189; p. 1129.
- Cole, Francis J., Schenectady, N. Y. Valve-gear. No. 1,076,099; Oct. 21; Gaz. vol. 195; p. 575.
- Cole, Francis J., Schenectady, and S. Hoffmann, assignors to Locomotive Superheater Co., New York, N. Y. Steam-collector for superheaters. No. 1,054,676; Mar. 4; Gaz. vol. 188; p. 8.
- Cole, Frank G., Conway, N. H. Adjustable square and bevel. No. 1,079,110; Nov. 18; Gaz. vol. 196; p. 709.
- Cole, Frederick B., Longbeach, Cal. Concrete-shingle mold. No. 1,075,403; Oct. 14; Gaz. vol. 195; p. 309.
- Cole, Frederick W., Newton Highlands, Mass., assignor to The Gamewell Fire-Alarm Telegraph Company, New York, N. Y. Whistle-blowing apparatus. No. 1,050,053; Jan. 7; Gaz. vol. 186; p. 249.
- Cole, Frederick W., Newton, Mass., assignor to The Gamewell Fire Alarm Telegraph Company, New York, N. Y. Supervisory signal system. No. 1,058,724; Apr. 15; Gaz. vol. 189; p. 537.
- Cole, Frederick W., Newton, Mass., assignor to The Gamewell Fire Alarm Telegraph Company, New York, N. Y. Combined auxiliary and automatic fire-alarm system. No. 1,058,725; Apr. 15; Gaz. vol. 189; p. 537.
- Cole, Frederick W., Newton, Mass., assignor to The Gamewell Fire Alarm Telegraph Company, New York, N. Y. Watchman's signal system. No. 1,058,726; Apr. 15; Gaz. vol. 189; p. 538.
- Cole, Frederick W., Newton, Mass., assignor to The Gamewell Fire Alarm Telegraph Company, New York, N. Y. Watchman's signal system. No. 1,058,727; Apr. 15; Gaz. vol. 189; p. 538.
- Cole, Frederick W., Newton, Mass., assignor to The Gamewell Fire Alarm Telegraph Company, New York, N. Y. Electric signal-transmitting apparatus. No. 1,058,728; Apr. 15; Gaz. vol. 189; p. 539.
- Cole, George A., Sanborn, Iowa. Wire-stretcher. No. 1,079,214; Nov. 18; Gaz. vol. 196; p. 744.
- Cole, George W., Tenafly, N. J., assignor to Many-Use Oil Company, New York, N. Y. Can and similar receptacle. No. 1,051,688; Jan. 28; Gaz. vol. 186; p. 909.
- Cole, Harlan P., assignor to The Anatomik Footwear Co., New York, N. Y. Footwear. No. 1,054,278; Feb. 25; Gaz. vol. 187; p. 944.
- Cole, Henry, Denver, Colo. Water-elevator. No. 1,072,430; Sept. 9; Gaz. vol. 194; p. 287.
- Cole, Henry J., Gainesville, Tex. Railway-joint. No. 1,052,711; Feb. 11; Gaz. vol. 187; p. 327.
- Cole, John A., Chicago, Ill. Tag for water-pipe valves. No. 1,061,730; May 13; Gaz. vol. 190; p. 438.
- Cole, John C., assignor to Fisk Rubber Company, Chicopee Falls, Mass. Sectional solid tire. No. 1,068,040; July 22; Gaz. vol. 192; p. 833.
- Cole, John C., assignor to Fisk Rubber Company, Chicopee Falls, Mass. Rim construction. No. 1,068,041; July 22; Gaz. vol. 192; p. 833.
- Cole, Louis M., Los Angeles, Cal. Label. No. 1,054,826; Mar. 4; Gaz. vol. 188; p. 61.
- Cole, Michael S., New York, N. Y. Cigar-holder. No. 1,081,889; Dec. 16; Gaz. vol. 197; p. 739.
- Cole, Percy F., New York, N. Y. Carbureter. No. 1,066,080; July 1; Gaz. vol. 192; p. 62.
- Cole, Robert E., Highland Creek, Ontario, assignor of one-half to W. Douglas, Toronto, Canada. Vehicle-wheel. No. 1,068,107; July 22; Gaz. vol. 192; p. 854.
- Cole, Robert F., Ysleta, Tex. Orchard-heater. No. 1,071,704; Sept. 2; Gaz. vol. 194; p. 11.
- Cole, Thomas A., Lucas, Mich. Transplanter. No. 1,071,001; Aug. 19; Gaz. vol. 193; p. 722.
- Cole, William E., assignor to Boston Pressed Metal Company, Worcester, Mass. Metal-turning machine. No. 1,069,319; Aug. 5; Gaz. vol. 193; p. 80.
- Colegate, Ernest, London, England. Snap-fastener. No. 1,074,247; Sept. 30; Gaz. vol. 194; p. 1005.
- Colegate, Ernest, Gillingham, England. Fastening or sealing boxes, packets, wrappers, and the like. No. 1,076,955; Oct. 28; Gaz. vol. 195; p. 929.
- Coleman, Arthur, Higgins, Tex. Differential mechanism. No. 1,061,450; May 13; Gaz. vol. 190; p. 338.
- Coleman, Clarence W., deceased, Westfield, N. J.; K. Coleman, administratrix, assignor to The Hall Signal Company. Railway signal-relay. No. 1,066,081; July 1; Gaz. vol. 192; p. 63.
- Coleman, Clarence W., deceased, Westfield, N. J.; K. Coleman, administratrix. Self-propelled vehicle. No. 1,077,598; Nov. 4; Gaz. vol. 196; p. 123.
- Coleman, Clyde J., New York, N. Y. Refrigerating apparatus. No. 1,054,507; Feb. 25; Gaz. vol. 187; p. 1024.
- Coleman, Clyde J., Rockaway, N. J., assignor to C. Hubert, New York, N. Y. Starting means for internal-combustion engines. No. 1,053,360; Feb. 18; Gaz. vol. 187; p. 595.
- Coleman, Clyde J., assignor to C. Hubert, New York, N. Y. Making vacuum-jacketed vessels. No. 1,056,971; Mar. 25; Gaz. vol. 188; p. 885.
- Coleman, Clyde J., assignor to C. Hubert, New York, N. Y. Engine-starter. No. 1,056,972; Mar. 25; Gaz. vol. 188; p. 885.
- Coleman, Clyde J., assignor to C. Hubert, New York, N. Y. Storage-reservoir for explosive fluids. No. 1,080,263; Dec. 2; Gaz. vol. 197; p. 121.
- Coleman, George, Lynn, assignor of one-half to Reece Shoe Machinery Company, Boston, and one-fourth to L. Murr, Swampscott, Mass. Insole. No. 1,062,536; May 20; Gaz. vol. 190; p. 744.
- Coleman, George S., Washington, D. C. Base-ball scoreboard. No. 1,069,920; Aug. 12; Gaz. vol. 193; p. 316.
- Coleman, Hamilton D., New Orleans, La. Lighter. No. 1,069,530; Aug. 5; Gaz. vol. 193; p. 153.
- Coleman, Henry F., Sneedsville, Tenn. Animal-trap. No. 1,073,094; Sept. 16; Gaz. vol. 194; p. 559.
- Coleman, Hugh E., Anniston, Ala. Banding-wheel. No. 1,051,689; Jan. 28; Gaz. vol. 186; p. 910.
- Coleman, James M., Westmount, Quebec, Canada. Car body and truck locking device. No. 1,061,984; May 20; Gaz. vol. 190; p. 560.
- Coleman, James M., Westmount, Quebec, Canada. Refrigerator-car. No. 1,068,741; July 29; Gaz. vol. 192; p. 1113.
- Coleman, James M., Montreal, Quebec, Canada. Car construction. No. 1,068,629; July 29; Gaz. vol. 192; p. 1074.
- Coleman, James M., Montreal, Quebec, Canada. Sander. No. 1,072,206; Sept. 2; Gaz. vol. 194; p. 183.
- Coleman, James M., Montreal, Quebec, Canada. Convertible car. No. 1,076,746; Oct. 28; Gaz. vol. 195; p. 855.
- Coleman, John A. (See Hoover and Coleman.)
- Coleman, John P., New York, N. Y., assignor to The Union Switch & Signal Company, Swissvale, Pa. Railway-signal. No. 1,078,127; Nov. 11; Gaz. vol. 196; p. 335.
- Coleman, Katherine, administratrix. (See Coleman, Clarence W.)
- Coleman, Morris T. (See O'Neill and Coleman.)
- Coleman, Robert. (See Cruse and Coleman.)
- Coleman, Robert J. (See Martin and Coleman.)
- Coleman, Robert M., Higden, Ark. Bivalve-catcher. No. 1,052,652; Feb. 11; Gaz. vol. 187; p. 308.
- Coleman, Roderick D., Greenwood, Va. Cattle-guard. No. 1,051,197; Jan. 21; Gaz. vol. 186; p. 710.
- Coleman, Roderick D., Greenwood, Va. Hat-pin protector. No. 1,073,959; Sept. 23; Gaz. vol. 194; p. 881.
- Coleman, Samuel H. (See Edwards, Stillman B., assignor.)
- Coleman, Thomas, Bridgeport, Nova Scotia, Canada. Rail-chair. No. 1,069,229; Aug. 5; Gaz. vol. 193; p. 51.

- Coles, David H., Brooklyn, N. Y. Airship. No. 1,059,036; Apr. 15; Gaz. vol. 189; p. 648.
- Coles, William E., assignor to Bates & Bacon, Attleboro, Mass. Bracelet unit. No. 1,077,673; Nov. 4; Gaz. vol. 196; p. 149.
- Coleston, William C. (See Patnaude, William E., assignor.)
- Colfax Manufacturing Company. (See Brown, Eugene, assignor.)
- Colgan, James W., Roxbury, assignor to James W. Colgan Co., Boston, Mass. Symbol-mount. No. 1,068,484; July 29; Gaz. vol. 192; p. 1024.
- Colglazier, Harry C., Larned, Kans. Whiffletree-hook. No. 1,078,418; Nov. 11; Gaz. vol. 196; p. 439.
- Collina, William, assignor to Scovill Manufacturing Company, Waterbury, Conn. Lamp-burner. No. 1,080,537; Dec. 9; Gaz. vol. 197; p. 248.
- Collar, Adoniram J., Yreka, Cal. Valve. No. 1,059,037; Apr. 15; Gaz. vol. 189; p. 648.
- Collar, Adoniram J., Yreka, Cal. Fish-screen. No. 1,076,483; Oct. 21; Gaz. vol. 195; p. 708.
- Collar, Adoniram J., Yreka, Cal. Fish-ladder. No. 1,082,109; Dec. 23; Gaz. vol. 197; p. 843.
- Collée, Paul M. H. L. (See Werst, Collée, and Egmond.)
- Colles, George W. (See Gugler and Colles.)
- Collett, Emil, Christiania, Norway. Manufacturing sulfate of ammonia. No. 1,052,797; Feb. 11; Gaz. vol. 187; p. 358.
- Collett, Emil, Christiania, Norway. Oxidizing sulfite by means of air or other oxidizing gas. No. 1,076,747; Oct. 28; Gaz. vol. 195; p. 855.
- Collett, Emil, assignor to Norsk Hydro-Elektrisk Kvaestofaktieselskab, Christiania, Norway. Simultaneously producing phosphate and nitrate of ammonia. No. 1,058,037; Apr. 8; Gaz. vol. 189; p. 263.
- Collett, Emil, assignor to Norsk Hydro-Elektrisk Kvaestofaktieselskab, Christiania, Norway. Concentrating acid such as nitric acid by means of a drying agent. No. 1,079,541; Nov. 25; Gaz. vol. 196; p. 884.
- Collett, Henry A. (See Wernet and Collett.)
- Colley, Clayton D., assignor of one-half to J. D. Lovell, Narrows, Va. Index apparatus. No. 1,067,799; July 22; Gaz. vol. 192; p. 751.
- Colley, Frank, assignor of one-third to J. J. Hill and one-third to C. G. Lott, Pelham, Ga. Wire-stretcher. No. 1,056,777; Mar. 25; Gaz. vol. 188; p. 819.
- Colley, John I., Jackson, Mich., assignor of one-half to A. L. Wurster, Pittsburgh, Pa. Chain. No. 1,058,038; Apr. 8; Gaz. vol. 189; p. 263.
- Collias, Peter G. (See Pliones and Collias.)
- Collier, Arthur T., St. Albans, England. Change-speed gear. No. 1,072,913; Sept. 9; Gaz. vol. 194; p. 459.
- Collier, Arthur T., St. Albans, assignor of one-third to J. Dangerfield, London, England. Magnetic clutch. No. 1,077,805; Nov. 4; Gaz. vol. 196; p. 193.
- Collier, David R., assignor to Collier-Keyworth Company, Gardner, Mass. Sanitary nursery-chair. No. 1,061,935; May 13; Gaz. vol. 190; p. 502.
- Collier, Guy B. (See Wales, Nathaniel B., assignor.)
- Collier, Guy B., Kinderhook, N. Y. Turbine. No. 1,050,918; Jan. 21; Gaz. vol. 186; p. 616.
- Collier, Guy B., Kinderhook, N. Y. Automobile windshield. No. 1,074,774; Oct. 7; Gaz. vol. 195; p. 65.
- Collier, Guy B., Kinderhook, N. Y. Heating apparatus. No. 1,077,041; Oct. 28; Gaz. vol. 195; p. 959.
- Collier, Guy B., Kinderhook, N. Y. Goggles. No. 1,080,893; Dec. 9; Gaz. vol. 197; p. 371.
- Collier, James D., Redlands, Cal. Spring-wheel. No. 1,079,840; Nov. 25; Gaz. vol. 196; p. 990.
- Collier-Keyworth Company. (See Collier, David R., assignor.)
- Collignon, William C. P., *et al.* (See Foss, Andrew H., assignor.)
- Collin, Carl, Offenbach-on-the-Main, Germany. Type setting and distributing machine. No. 1,078,832; Nov. 18; Gaz. vol. 196; p. 612.
- Collin, George W., assignor to The Collin Valve Company, Bridgeport, Conn. Regulating-valve. No. 1,050,808; Jan. 21; Gaz. vol. 186; p. 574.
- Collin, George W., assignor to The Collin Valve Co., Bridgeport, Conn. Regulating-valve. No. 1,076,665; Oct. 28; Gaz. vol. 195; p. 825.
- Collin Valve Company, The. (See Collin, George W., assignor.)
- Colling, Charles J., Jr., assignor to The W. W. Sly Manufacturing Company, Cleveland, Ohio. Box. No. 1,049,998; Jan. 7; Gaz. vol. 186; p. 229.
- Colling, Charles J., Sr., assignor of one-half to J. Elsoffer, Cleveland, Ohio. Stool. No. 1,075,964; Oct. 14; Gaz. vol. 195; p. 500.
- Colling, George E. (See Townsend, Colling, and Ligon.)
- Colling, John A., Missoula, Mont. Combined heel-leveler and shank-stiffener. No. 1,063,856; June 3; Gaz. vol. 191; p. 235.
- Collings, Edward T., Phoenix, Ariz. Spring harrow-tooth. No. 1,077,806; Nov. 4; Gaz. vol. 196; p. 194.
- Collins, Albert K., Rock Hill, S. C. Coin-changing machine. No. 1,055,138; Mar. 4; Gaz. vol. 188; p. 164.
- Collins, Albert K., Lancaster, S. C. Vending-machine. No. 1,081,212; Dec. 9; Gaz. vol. 197; p. 474.
- Collins, Alonzo K., *et al.* (See Black, Albert G., assignor.)
- Collins, Archie F., Newark, N. J. Phonographic wireless telephone. No. 1,050,777; Jan. 14; Gaz. vol. 186; p. 528.
- Collins, Arthur A., Large, Pa. Safety device for elevators. No. 1,058,154; Apr. 8; Gaz. vol. 189; p. 305.
- Collins, Arthur F., A. Kerr, Christchurch, and A. E. Russell, Wellington, New Zealand. Internal-combustion engine. No. 1,082,932; Dec. 30; Gaz. vol. 197; p. 1161.
- Collins, Asa G., Everett, Wash. Contractile well-boring tool. No. 1,065,590; June 24; Gaz. vol. 191; p. 928.
- Collins, Asa G., Everett, assignor to Hydraulic Drilling Company, Seattle, Wash. Well-boring tool. No. 1,065,294; June 17; Gaz. vol. 191; p. 788.
- Collins Brothers Machine Co. (See Collins, Charles E., assignor.)
- Collins, Carl A., Brockton, Mass. Engine. No. 1,072,701; Sept. 9; Gaz. vol. 194; p. 381.
- Collins, Charles E., Pawtucket, assignor to Collins Brothers Machine Co., Inc., Providence, R. I. Combination separator and stray-yarn severer for spinning and twisting machines. No. 1,062,272; May 20; Gaz. vol. 190; p. 659.
- Collins, Charles H., Albany, N. Y. Matching device for weaving-machines. No. 1,053,279; Feb. 18; Gaz. vol. 187; p. 567.
- Collins, Clarkson A. (See Blauvelt, Tufts, and Collins.)
- Collins, Clyde F., New Kensington, Pa. Drill-shank and driving member. No. 1,053,709; Feb. 18; Gaz. vol. 187; p. 717.
- Collins, Daniel F. (See Anderson and Collins.)
- Collins, Edward L., Weir, Tex. Churn. No. 1,056,778; Mar. 25; Gaz. vol. 188; p. 819.
- Collins, J. Ross. (See Plass, Robert H., assignor.)
- Collins, Jairus, Quaker City, Ohio, assignor of one-half to W. K. Collins, Cripple Creek, Colo. Telephone-transmitter. No. 1,067,718; July 15; Gaz. vol. 192; p. 690.
- Collins, Jeffrey N., Jackson, Mich. Curtain-mounting for vehicles. No. 1,066,448; July 1; Gaz. vol. 192; p. 188.
- Collins, John C., assignor of one-half to O. F. Miller, New York, N. Y. Intermittent motion for moving-picture machines. No. 1,059,276; Apr. 15; Gaz. vol. 189; p. 730.
- Collins, Joseph, North Tarrytown, N. Y. Ticket-holder. No. 1,051,198; Jan. 21; Gaz. vol. 186; p. 710.
- Collins, Kittie. (See Kohler, Joseph, assignor.)
- Collins, Patrick J., Philadelphia, Pa. Dish-handler. No. 1,071,705; Sept. 2; Gaz. vol. 194; p. 12.
- Collins, Patrick J., assignor to American Silencer Company, Philadelphia, Pa. Muffler for engines. No. 1,067,467; July 15; Gaz. vol. 192; p. 605.
- Collins, Patrick J., assignor to American Silencer Company, Philadelphia, Pa. Muffler. No. 1,067,468; July 15; Gaz. vol. 192; p. 605.
- Collins, Roderick G., Jr., New York, N. Y. Pneumatic despatch-tube carrier. No. 1,080,538; Dec. 9; Gaz. vol. 197; p. 248.
- Collins, Roy V., assignor to American Automatic Switch Company, New York, N. Y. Electric switch. No. 1,070,777; Aug. 19; Gaz. vol. 193; p. 651.
- Collins, Simon C., Falmouth, Pa. Rail-fastener. No. 1,065,343; June 24; Gaz. vol. 191; p. 842.
- Collins, Simon C., Meadville, Pa. Brake-rigging. No. 1,065,780; June 24; Gaz. vol. 191; p. 991.
- Collins, Thomas A., *et al.* (See Sullivan, Daniel F., assignor.)
- Collins, W. K. (See Collins, Jairus, assignor.)
- Collins, Walter L., Milford, Mass. Building construction. No. 1,067,469; July 15; Gaz. vol. 192; p. 605.
- Collins, Warren, College Point, N. Y., assignor to Stamford Gas Stove Company, Stamford, Conn. Gas-heater. No. 1,074,312; Sept. 30; Gaz. vol. 194; p. 1027.
- Collins, William G. J., Chicago, Ill. Apparatus for displaying and vending cigars and other articles. No. 1,052,798; Feb. 11; Gaz. vol. 187; p. 358.
- Collins, William L., assignor of one-third to W. A. Gray, Gray, Okla. Fence-post. No. 1,080,048; Dec. 2; Gaz. vol. 197; p. 45.
- Collins, William R., Chicago, Ill. Drill-supporting mechanism. No. 1,061,451; May 13; Gaz. vol. 190; p. 339.
- Collinsworth, Jack, Huntington, W. Va. Table. No. 1,052,799; Feb. 11; Gaz. vol. 187; p. 358.
- Collinsworth, John W., Leary, Tex. Wheel. No. 1,082,151; Dec. 23; Gaz. vol. 197; p. 856.
- Collis, Harry N. (See Foley and Collis.)
- Collis, Henry J., Taunton, Mass. Ankle support and protector. No. 1,081,366; Dec. 16; Gaz. vol. 197; p. 566.
- Collom Demountable Rim Manufacturing Company, The. (See Collom, Martin H., assignor.)
- Collom, Martin H., assignor to The Collom Demountable Rim Manufacturing Company, Denver, Colo. Demountable tire-rim for vehicle-wheels. No. 1,071,206; Aug. 26; Gaz. vol. 193; p. 825.
- Colman, Howard D., Rockford, Ill. Textile-machine. No. 1,050,762; Jan. 14; Gaz. vol. 186; p. 523.
- Colman, Howard D., assignor, by mesne assignments, to Barber-Colman Company, Rockford, Ill. Warp-drawing machine. No. 1,062,271; May 20; Gaz. vol. 190; p. 659.

Alphabetical list of patentees—Continued.

- Colman, Howard D., assignor, by mesne assignments, to Barber-Colman Company, Rockford, Ill. Warp-unlitting machine. No. 1,069,081; July 29; Gaz. vol. 192; p. 1231.
- Colman, Howard D., assignor to Barber-Colman Company, Rockford, Ill. Warp-end-supporting means. No. 1,069,082; July 29; Gaz. vol. 192; p. 1231.
- Colman, Howard D., assignor, by mesne assignments, to Barber-Colman Company, Rockford, Ill. Knot-staggering mechanism. No. 1,070,116; Aug. 12; Gaz. vol. 193; p. 383.
- Colman, Howard D., assignor, by mesne assignments, to Barber-Colman Company, Rockford, Ill. Knotter. No. 1,072,575; Sept. 9; Gaz. vol. 194; p. 338.
- Colman, Howard D., assignor, by mesne assignments, to Barber-Colman Company, Rockford, Ill. Spooler. No. 1,078,574; Nov. 11; Gaz. vol. 196; p. 489.
- Colman, Howard D., assignor, by mesne assignments, to Barber-Colman Company, Rockford, Ill. Warp-tying machine. No. 1,079,470; Nov. 25; Gaz. vol. 196; p. 861.
- Colman, Howard D., assignor, by mesne assignments, to Barber-Colman Company, Rockford, Ill. Warp-tying apparatus. No. 1,082,474; Dec. 23; Gaz. vol. 197; p. 966.
- Colman, Howard D., and B. A. Peterson, assignors to Barber-Colman Company, Rockford, Ill. Doffer. No. 1,062,439; May 20; Gaz. vol. 190; p. 713.
- Colman, Stuart M., London, England. Indication of the speed of moving vehicles. No. 1,057,938; Apr. 1; Gaz. vol. 189; p. 185.
- Colón, Jose B., Greenville, Tenn. Bottle. No. 1,075,900; Oct. 14; Gaz. vol. 195; p. 477.
- Colonial Trust Company, The, trustee. (See Bibbins, James R., assignor.)
- Colonial Trust Company, The, trustee. (See Crist, Mark B., assignor.)
- Colonial Trust Company, The, trustee. (See Flanders, Warren B., assignor.)
- Colonial Trust Company, The, trustee. (See Herr, Herbert T., assignor.)
- Colonial Trust Company, The, trustee. (See Hodgkinson, Francis, assignor.)
- Colonial Trust Company, The, trustee. (See Hodgkinson and Bole, assignors.)
- Colonial Trust Company, The, trustee. (See Knappe, Charles N. F., assignor.)
- Colonial Trust Company, The, trustee. (See London, William J. A., assignor.)
- Colonial Trust Company, The, trustee. (See Longwell, Henry E., assignor.)
- Colonial Trust Company, The, trustee. (See Mees, Gustav, assignor.)
- Colonial Trust Company, The, trustee. (See Mildon, Reginald B., assignor.)
- Colonial Trust Company, The, trustee. (See Seaver, Edward, Jr., assignor.)
- Colonial Trust Company, The, trustee. (See Snyder, John E., assignor.)
- Colonial Trust Company, The, trustee. (See Westinghouse, George, assignor.)
- Colorado Builders Supply Company, The. (See Jackson, Louis F., assignor.)
- Colorado Iron Works Co. (See Akins, Randall P., assignor.)
- Colorado-Yule Marble Company, The (See Meek, Channing F., assignor.)
- Coloroll Manufacturing Company, The. (See Wood, Henry E., assignor.)
- Colpitts, Calvin N., assignor to American Shade Machine Company, Boston, Mass. Machine for cutting and creasing sheet material. No. 1,079,542; Nov. 25; Gaz. vol. 196; p. 885.
- Colson, Charles H., assignor of one-third to B. J. Fritze and one-third to W. B. Fritze, Forrester, Ill. Band-tightener. No. 1,055,021; Mar. 4; Gaz. vol. 188; p. 125.
- Colthar, William U. (See Blizard and Colthar.)
- Colton, Arthur, assignor to Arthur Colton Company, Detroit, Mich. Capsule-filling machine. No. 1,077,392; Nov. 4; Gaz. vol. 196; p. 53.
- Colton Combination Tool Company. (See Colton, Rosto E., assignor.)
- Colton, Rosto E., Easthampton, Mass., assignor to Colton Combination Tool Company, Chester, Vt. Apparatus for cutting and facing articles. No. 1,063,184; June 3; Gaz. vol. 191; p. 5.
- Colucci, Giuseppe, Boston, Mass. Omnibus-aeroplane. No. 1,068,108; July 22; Gaz. vol. 192; p. 854.
- Columbia Carriage Company, The. (See Wright, John E., assignor.)
- Columbia Heating Company. (See Buckman, Henry H., Jr., assignor.)
- Columbia Machine Works & Malleable Iron Co., The. (See Grady, James, assignor.)
- Columbia Manufacturing Company. (See Bowers, Lionel F., assignor.)
- Columbia Motor Car Company, The. (See Alden, Herbert W., assignor.)
- Columbia Nut and Bolt Company. (See MacFarland, Merle, assignor.)
- Columbia Nut and Bolt Company. (See Meredith-Jones, Hubert, assignor.)
- Columbia Optical Company. (See Kingsley, Ray C., assignor.)
- Columbia Postal Supply Company. (See Ielfield, August, assignor.)
- Columbia Postal Supply Company. (See Ielfield, Fred C., assignor.)
- Columbus, Bernhard, New York, N. Y. Heater. No. 1,053,012; Feb. 11; Gaz. vol. 187; p. 430.
- Columbus Dental Manufacturing Company, The. (See Grant, George W., assignor.)
- Columbus Dental Manufacturing Company, The. (See Steele, Thomas, assignor.)
- Columbus Railway Supply Company, The. (See Winsworth, William H., assignor.)
- Colvin, George R., Spokane, Wash. Advertising-sign. No. 1,065,897; June 24; Gaz. vol. 191; p. 1031.
- Colvin, Margaret, Inverness, Scotland. Detergent. No. 1,074,491; Sept. 30; Gaz. vol. 194; p. 1086.
- Colwell, James M., Terre Haute, Ind. Internal-combustion engine. No. 1,051,690; Jan. 28; Gaz. vol. 186; p. 910.
- Colwell, Lewis, Chicago, Ill. Can-puncturing and pouring attachment. No. 1,069,388; Aug. 5; Gaz. vol. 193; p. 106.
- Colwell, Robert C., Beaver Falls, Pa. Slide-rule. No. 1,080,811; Dec. 9; Gaz. vol. 197; p. 344.
- Colzi, Virgilio, and F. Bardelli, Turin, Italy. Telemeter. No. 1,058,556; Apr. 8; Gaz. vol. 189; p. 443.
- Colzi, Virgilio, and F. Bardelli, Turin, Italy. Telemeter. No. 1,080,421; Dec. 2; Gaz. vol. 197; p. 178.
- Comber, Albert E. (See Carter and Comber.)
- Combs, Charles E., Kansas City, Mo. Can. No. 1,062,440; May 20; Gaz. vol. 190; p. 713.
- Combs, Edgar E., Lander, Wyo. Railway-gate. No. 1,067,309; July 15; Gaz. vol. 192; p. 552.
- Combs, George W., Leavenworth, Kans. Gyrotory structure. No. 1,071,706; Sept. 2; Gaz. vol. 194; p. 12.
- Combs, George W., Leavenworth, Kans. Gyrotory structure. No. 1,071,707; Sept. 2; Gaz. vol. 194; p. 12.
- Combs, Guy P., and P. J. Burke, Rochester, N. Y. Non-refillable bottle. No. 1,082,407; Dec. 23; Gaz. vol. 197; p. 946.
- Combs, Marshall C., assignor of one-half to J. F. Skidmore, Lexington, Ky. Window-shade bracket. No. 1,071,883; Sept. 2; Gaz. vol. 194; p. 74.
- Combustion Utilities Company. (See Eldred, Byron E., assignor.)
- Comeau, Larry L., Haverhill, Mass. Enameled-leather softener and making the same. No. 1,049,674; Jan. 7; Gaz. vol. 186; p. 121.
- Comeau, Phillip, New Bedford, Mass. Shuttle. No. 1,056,501; Mar. 18; Gaz. vol. 188; p. 694.
- Comee, Joseph F., assignor to Camel Company, Chicago, Ill. Car-door. No. 1,076,484; Oct. 21; Gaz. vol. 195; p. 708.
- Comegys, Martha S., Burlington, N. J. Game apparatus. No. 1,063,415; June 3; Gaz. vol. 191; p. 83.
- Comer, John J., assignor to Automatic Enunciator Company, Chicago, Ill. Differential-microphone repeater. No. 1,050,104; Jan. 14; Gaz. vol. 186; p. 301.
- Comer, John J., assignor to Automatic Enunciator Company, Chicago, Ill. Microphone. No. 1,079,931; Dec. 2; Gaz. vol. 197; p. 3.
- Comeron, Brewster. (See Worthen, Burt L., assignor.)
- Comes, Charles, Jersey City, N. J. Vapor-lamp. No. 1,057,120; Mar. 25; Gaz. vol. 188; p. 937.
- Comey, Henry N. (See Blanchard, Fred M., assignor.)
- Comfort-Bennor Tie Company. (See Comfort, David, assignor.)
- Comfort, David, assignor to Comfort-Bennor Tie Company, Tifton, Ga. Package-tie. No. 1,066,082; July 1; Gaz. vol. 192; p. 63.
- Comings, William R., Wimbledon, England. Cartridge or like charge of tobacco. No. 1,072,914; Sept. 9; Gaz. vol. 194; p. 459.
- Comins, May R. D., Vineland, N. J. Adjustable toilet-seat. No. 1,068,109; July 22; Gaz. vol. 192; p. 854.
- Commerce Trust Company, The. (See Rapp, Nathaniel, assignor.)
- Commercial Bank and Savings Company, The. (See Slocum, John C., assignor.)
- Commercial Cable Company. (See Gott, John, assignor.)
- Commercial Camera Company. (See Dey, Gilbert S., assignor.)
- Commercial Truck Company of America. (See Whitney, Eddy R., assignor.)
- Commercial Truck Company of America. (See Whitney and Hare, assignors.)
- Commercial Wireless & Development Co. (See Jensen and Pridham, assignors.)
- Commerford, Arthur B., and S. E. Watson, Newport, R. I. Button. No. 1,081,096; Dec. 9; Gaz. vol. 197; p. 435.
- Commonwealth Steel Company. (See Bundy and Acker, assignors.)
- Commonwealth Steel Company. (See Caverner, Walter R., assignor.)
- Commonwealth Steel Company. (See Frede, Charles F., assignor.)

Alphabetical list of patentees—Continued.

- Commonwealth Steel Company. (See Howard, Clarence H., assignor.)
- Commonwealth Steel Company. (See Howard and Pfleger, assignors.)
- Commonwealth Steel Company. (See Johnson, Boone V. H., assignor.)
- Commonwealth Steel Company. (See Knox, William J., assignor.)
- Commonwealth Steel Company. (See Shallenberger, Charles S., assignor.)
- Commonwealth Steel Company, The. (See Shallenberger and Pfleger, assignors.)
- Commonwealth Steel Company. (See Westlake, Charles T., assignor.)
- Comp, John A., Harrisburg, Pa. Extension car-step. No. 1,052,319; Feb. 4; Gaz. vol. 187; p. 162.
- Compagnie Francaise Des Applications De La Cellulose. (See Chaumat, Achille, assignor.)
- Composite Tie-Plate Corporation. (See Braine, Daniel L., assignor.)
- Compton, Melvin D., New York, N. Y. Rapid-service lifeboat system. No. 1,062,637; May 27; Gaz. vol. 190; p. 821.
- Computing Scale Company, The, *et al.* (See Dunn, Henry F., assignor.)
- Computing Scale Company. (See Hopkinson, Joseph, assignor.)
- Comstock, Alphonso S., Evanston, Ill. Carbureter. No. 1,064,445; June 10; Gaz. vol. 191; p. 472.
- Comstock, Asa M. (See Folger and Comstock.)
- Comstock, Elmer E., assignor of one-half to J. M. Hambleton, Fresno, Cal. Crude-oil burner. No. 1,077,123; Oct. 28; Gaz. vol. 195; p. 983.
- Comstock, Harry, Mineville, N. Y. Means for automatically weighing material on conveyer-belts. No. 1,067,972; July 22; Gaz. vol. 192; p. 809.
- Comstock, Roger H., Milford, Conn. Plant-support. No. 1,051,390; Jan. 28; Gaz. vol. 186; p. 809.
- Comtois, Alfred L. (See Washburn and Comtois.)
- Conant, Clarence F., Portland, Oreg. Window-cleaner. No. 1,062,322; May 20; Gaz. vol. 190; p. 676.
- Conant, Franklin N., Newburyport, assignor to Chase-Shawmut Company, Boston, Mass. Inclosed electric fuse. No. 1,081,213; Dec. 9; Gaz. vol. 197; p. 475.
- Conant, Franklin N., Newburyport, assignor to Chase-Shawmut Company, Boston, Mass. Inclosed electric fuse. No. 1,081,214; Dec. 9; Gaz. vol. 197; p. 475.
- Conant, John, assignor to Co-Ran Bed Company, Oakland, Cal. Bed-canopy. No. 1,078,128; Nov. 11; Gaz. vol. 196; p. 336.
- Conard, William R., Burlington, N. J. Molding compound. No. 1,053,787; Feb. 18; Gaz. vol. 187; p. 742.
- Conard, William R., Burlington, N. J. Preparing molds. No. 1,053,949; Feb. 18; Gaz. vol. 187; p. 795.
- Conaway, Franklin, Harper, Kans. Mail delivering and receiving device. No. 1,065,221; June 17; Gaz. vol. 191; p. 762.
- Concannon, Frank, New York, N. Y. Advertising apparatus. No. 1,063,010; May 27; Gaz. vol. 190; p. 943.
- Concealed Door Check Company. (See Nordquist, Per E., assignor.)
- Concord Company. (See Anderson, Alfred, assignor.)
- Concrete Monument Company. (See Worthington, James P., assignor.)
- Condell, Henry and P. E., Troy, Idaho. Gate-operating mechanism. No. 1,075,694; Oct. 14; Gaz. vol. 195; p. 408.
- Condell, Paul E. (See Condell, Henry and P. E.)
- Condensite Company of America. (See Aylsworth, Jonas W., assignor.)
- Condit, Arthur M., East Orange, N. J. Rotary engine. No. 1,061,452; May 13; Gaz. vol. 190; p. 340.
- Cordit, Sears B., Jr. (See Badeau, Charles C., assignor.)
- Cordit, Sears B., Jr. (See Burnham, George A., assignor.)
- Cordit, Harry H., Indianapolis, Ind., assignor of one-half to W. W. Moyer, Ephrata, Pa. Undershirt and similar garment. No. 1,077,188; Oct. 28; Gaz. vol. 195; p. 1003.
- Condon, Edward T., Jr., New York, N. Y. Double-pointed reproducing-stylus for talking-machines, and holder therefor. No. 1,080,328; Dec. 2; Gaz. vol. 197; p. 143.
- Condos, Ellen M., Goldfield, Nev. Extension-step for railway-cars. No. 1,072,207; Sept. 2; Gaz. vol. 194; p. 183.
- Cone, William H., Minneapolis, Minn. Reflexograph. No. 1,071,708; Sept. 2; Gaz. vol. 194; p. 13.
- Conen, Alexander J., Louisville, Ky. Adding-machine. No. 1,061,901; May 13; Gaz. vol. 190; p. 490.
- Conens, G. L., *et al.* (See Connor, Thomas, assignor.)
- Coney, James D., Detroit, Mich. Garment-supporter. No. 1,070,668; Aug. 19; Gaz. vol. 193; p. 614.
- Conkey, Alfred J. (See Dewey and Conkey.)
- Conkey, Leonard L., Grand Rapids, Mich. Veterinary operating-table. No. 1,059,712; Apr. 22; Gaz. vol. 189; p. 913.
- Conkey, Peter M., Longbeach, Cal. Cooker. No. 1,070,586; Aug. 19; Gaz. vol. 193; p. 587.
- Conklin, Charles M., Middletown, assignor of one-half to H. M. Dalton, Cincinnati, Ohio. Carbureter. No. 1,069,389; Aug. 5; Gaz. vol. 193; p. 106.
- Conklin, Edward R., Aurora, Ill. Carbureter. No. 1,062,273; May 20; Gaz. vol. 190; p. 659.
- Conklin, George W., assignor to The O. K. Tool Holder Company, Shelton, Conn. Milling-cutter. No. 1,063,659; June 3; Gaz. vol. 191; p. 170.
- Conklin, George W., and P. H. Robinson, assignors to The O. K. Tool Holder Company, Shelton, Conn. Tool-holder. No. 1,056,089; Mar. 18; Gaz. vol. 188; p. 553.
- Conklin, Herbert J., Lowell, Mich., assignor to W. Ziegenbalg, Portland, Oreg. Brush-holder. No. 1,073,568; Sept. 16; Gaz. vol. 194; p. 723.
- Conklin, James R., Cartersville, Mo. Safety-razor. No. 1,052,039; Feb. 4; Gaz. vol. 187; p. 68.
- Conklin, Oliver F., Anderson, Ind. Armature. No. 1,059,351; Apr. 22; Gaz. vol. 189; p. 792.
- Conkling, Cloud C., Buffalo, assignor to Lackawanna Steel Company, Lackawanna, N. Y. Protected piling. No. 1,063,185; June 3; Gaz. vol. 191; p. 6.
- Conkling, Cloud C., Buffalo, assignor to Lackawanna Steel Company, Lackawanna, N. Y. Caisson construction. No. 1,071,985; Sept. 2; Gaz. vol. 194; p. 108.
- Conkling, Cloud C., Buffalo, assignor to Lackawanna Steel Company, Lackawanna, N. Y. Integral sheet-piling. No. 1,076,021; Oct. 21; Gaz. vol. 195; p. 548.
- Conlan, William, Quincy, Wash. Cresting-holder. No. 1,060,587; May 6; Gaz. vol. 190; p. 8.
- Conley, John M., Raum, Ill. Vise. No. 1,050,919; Jan. 21; Gaz. vol. 186; p. 617.
- Conley, John M., Golconda, Ill. Wire-clamp. No. 1,065,222; June 17; Gaz. vol. 191; p. 762.
- Conley, John M., Golconda, Ill. Vise. No. 1,069,678; Aug. 12; Gaz. vol. 193; p. 232.
- Conley, Katherine F., Canton, Ohio. Attachment for high chairs. No. 1,050,205; Jan. 14; Gaz. vol. 186; p. 334.
- Conlin, John J., Cleveland, Ohio. Brace. No. 1,064,130; June 10; Gaz. vol. 191; p. 363.
- Conlin, Martin, Columbia Falls, Mont. Shoe-fastener. No. 1,059,838; Apr. 22; Gaz. vol. 189; p. 953.
- Conlon, John J., Derby, Conn. Rotary wire-straightener. No. 1,075,282; Oct. 7; Gaz. vol. 195; p. 241.
- Conn, Charles A. (See Mills and Conn.)
- Conn, Charles G., Elkhart, Ind. Mouthpiece for cornets. No. 1,050,344; Jan. 14; Gaz. vol. 186; p. 382.
- Connable, Frank L. (See Williams, David T., assignor.)
- Connacher, Charles H., Arlington, Wash. Nut-lock. No. 1,056,323; Mar. 18; Gaz. vol. 188; p. 631.
- Connaghan, Francis, Paola, Kans. Lock. No. 1,057,330; Mar. 25; Gaz. vol. 188; p. 1006.
- Connecticut Hook & Eye Company, The. (See Kleinert, Paul F., assignor.)
- Connecticut Telephone and Electric Company, The. (See Cadieux, Joseph O., assignor.)
- Connecticut Turbine Manufacturing Company. (See Rearick, Charles B., assignor.)
- Connecticut Valley Manufacturing Company, The. (See Hayden, Louis S., assignor.)
- Connell, Andrew J., and J. W. Rapp, New York, N. Y.; said Connell assignor to said Rapp. Metal window frame and sash. No. 1,056,973; Mar. 25; Gaz. vol. 188; p. 886.
- Connell, Leo M. (See Campau, Julian G., assignor.)
- Connell, William F., New York, N. Y. Instep-support. No. 1,077,871; Nov. 4; Gaz. vol. 196; p. 215.
- Connell, William H., Pittsburgh, Pa. Manufacture of ingots. No. 1,074,248; Sept. 30; Gaz. vol. 194; p. 1006.
- Connell, William H., Pittsburgh, Pa. Manufacture of ingots. No. 1,074,249; Sept. 30; Gaz. vol. 194; p. 1006.
- Connell, William H., Pittsburgh, Pa. Casting apparatus. No. 1,074,250; Sept. 30; Gaz. vol. 194; p. 1006.
- Connell, William H., Pittsburgh, Pa. Apparatus for manufacturing ingots. No. 1,074,251; Sept. 30; Gaz. vol. 194; p. 1006.
- Connolly, Joseph M., Philadelphia, Pa. Collapsible wardrobe. No. 1,072,089; Sept. 2; Gaz. vol. 194; p. 143.
- Conner, Amber R., Meredith Center, N. H. Cutter-bar. No. 1,049,675; Jan. 7; Gaz. vol. 186; p. 121.
- Conner, Amber R., Meredith Center, and A. A. Veasey, Bristol, N. H. Milk-bottle receptacle. No. 1,053,942; Feb. 18; Gaz. vol. 187; p. 792.
- Conner, Clyde, Marietta, Ohio. Attachment for buffing-lathes. No. 1,076,022; Oct. 21; Gaz. vol. 195; p. 548.
- Conner, Frank, assignor of one-third to W. Davis and one-third to C. W. Kelly, Topeka, Kans. Door-opener. No. 1,073,399; Sept. 16; Gaz. vol. 194; p. 667.
- Conner, George F., Port Huron, Mich. Saw-sawage. No. 1,066,998; July 8; Gaz. vol. 192; p. 408.
- Conner, George F., Port Huron, Mich. Priming-cup. No. 1,067,310; July 15; Gaz. vol. 192; p. 553.
- Conner, George F., Port Huron, Mich., assignor to The Indiana Manufacturing Company, Indianapolis, Ind. Pneumatic stacker. No. 1,059,658; Apr. 22; Gaz. vol. 189; p. 895.
- Conner, Joshua H., Elmdale, Tex. Chicken-roost. No. 1,055,387; Mar. 11; Gaz. vol. 188; p. 283.
- Conner, Theodore M. (See Pearson and Conner.)
- Connors, Henry B., Sioux City, Iowa. Hinge. No. 1,079,215; Nov. 18; Gaz. vol. 196; p. 744.
- Connet, Frederick N., Providence, R. I. Displacement-float for fluid-measuring devices. No. 1,063,186; June 3; Gaz. vol. 191; p. 6.

Alphabetical list of patenters—Continued.

- Connet, Frederick N., assignor to Builders Iron Foundry, Providence, R. I. Integrating and recording apparatus for meters. No. 1,059,277; Apr. 15; Gaz. vol. 189; p. 730.
- Conoio, Alexander, Buenos Aires, Argentina. Calculating-machine. No. 1,068,982; July 29; Gaz. vol. 192; p. 1197.
- Connolly, Frank M., *et al.* (See Knutson, Alfred W., assignor.)
- Connolly, James F., New York, N. Y. Smokeless broiler. No. 1,069,390; Aug. 5; Gaz. vol. 193; p. 106.
- Connor, Edmond P., and J. C. Winans, Waldron, Mich. Starting device for internal-combustion engines. No. 1,083,190; Dec. 30; Gaz. vol. 197; p. 1241.
- Connor, Elmer R. (See Connor, Joseph M. and E. R.)
- Connor, James, Greenville, Tex. Badge. No. 1,082,679; Dec. 30; Gaz. vol. 197; p. 1074.
- Connor, John J., assignor to The Youngstown Sheet and Tube Company, Youngstown, Ohio. Pipe-mill. No. 1,049,999; Jan. 7; Gaz. vol. 186; p. 230.
- Connor, Joseph M., New York, and E. R. Connor, Port Richmond, N. Y. Life-saving device. No. 1,057,221; Mar. 25; Gaz. vol. 188; p. 972.
- Connor, Louis C. (See Ready, Connor, and Bevans.)
- Connor, Michael L., Pony, Mont. Tire-deflating tool. No. 1,058,557; Apr. 8; Gaz. vol. 189; p. 444.
- Connor, Miles, Pueblo, Colo. Hydrocarbon-furnace. No. 1,069,230; Aug. 5; Gaz. vol. 193; p. 51.
- Connor, Thomas, San Francisco, assignor of forty-five one-hundredths to G. L. Conens, San Mateo, and ten one-hundredths to E. J. Hall, San Francisco, Cal. Shock-absorbing door and gate latch. No. 1,055,613; Mar. 11; Gaz. vol. 188; p. 357.
- Connors, Alfred. (See Green and Connors.)
- Connors, Ernest S., St. Francis, Me. Bark-softening vat. No. 1,081,890; Dec. 16; Gaz. vol. 194; p. 740.
- Connors, Mathaeu M., *et al.* (See Hines, William J., assignor.)
- Connors, Thomas H., Scaforth, Minn. Road-map holder. No. 1,065,295; June 17; Gaz. vol. 191; p. 788.
- Conover, Edwin K., assignor to Conover Motor Car Company, Paterson, N. J. Brake-operating apparatus. No. 1,076,100; Oct. 21; Gaz. vol. 195; p. 575.
- Conover Motor Car Company. (See Conover, Edwin K., assignor.)
- Conrad, Edwin S., and C. P. Shepherd, assignors to Grand Rapids Band Instrument Company, Grand Rapids, Mich. Valve for wind instruments. No. 1,055,445; Mar. 11; Gaz. vol. 188; p. 303.
- Conrad, Frank, Milwaukee, Wis. Deck-sash pivot mechanism. No. 1,073,738; Sept. 23; Gaz. vol. 194; p. 806.
- Conrad, Frank, Swissvale, Pa., assignor to Westinghouse Electric and Manufacturing Company. Wattmeter. No. 1,067,311; July 15; Gaz. vol. 192; p. 553.
- Conrad, Frank, Swissvale, and Y. Sakai, East Pittsburgh, Pa., assignors to Westinghouse Electric and Manufacturing Company. Impedance device for use with current-rectifiers. No. 1,075,404; Oct. 14; Gaz. vol. 195; p. 309.
- Conrad, Henry G., Chicago, Ill. Valve for exhaust-pipes. No. 1,064,291; June 10; Gaz. vol. 191; p. 418.
- Conrad, John, Larchmont, N. Y. Manifold writing-tablet. No. 1,070,413; Aug. 19; Gaz. vol. 193; p. 527.
- Conrad, Joseph R., Chicago, Ill., assignor, by mesne assignments, to U. S. Expansion Bolt Co., New York, N. Y. Expansion-bolt. No. 1,050,345; Jan. 14; Gaz. vol. 186; p. 382.
- Conrad, Joshua C., Cement, Okla. Cotton-machine. No. 1,058,846; Apr. 15; Gaz. vol. 189; p. 581.
- Conrad, Leonard, Pasadena, Cal. Gate-latch. No. 1,082,408; Dec. 23; Gaz. vol. 197; p. 946.
- Conrad, Miller E., Atlantic, Iowa. Shoe. No. 1,061,222; May 6; Gaz. vol. 190; p. 226.
- Conrad, Nicholas J. (See Schweitzer and Conrad.)
- Conrad, Richard D. (See Gebiring and Conrad.)
- Conrad, Robert S. (See Sixel and Conrad.)
- Conrader, Rudolph, Erie, Pa. Air-compressor governor. No. 1,053,904; Feb. 18; Gaz. vol. 187; p. 779.
- Conrader, Rudolph, Erie, Pa. Pumping apparatus. No. 1,055,139; Mar. 4; Gaz. vol. 188; p. 164.
- Conrader, Rudolph, Erie, Pa. Pump. No. 1,066,798; July 8; Gaz. vol. 192; p. 342.
- Conrader, Rudolph, Erie, Pa. Pump. No. 1,067,312; July 15; Gaz. vol. 192; p. 553.
- Conrader, Rudolph, Erie, Pa. Pump. No. 1,067,313; July 15; Gaz. vol. 192; p. 553.
- Conrader, Rudolph, Erie, Pa. Pump. No. 1,067,314; July 15; Gaz. vol. 192; p. 554.
- Conrader, Rudolph, Erie, Pa. Pump. No. 1,067,315; July 15; Gaz. vol. 192; p. 554.
- Conrader, Rudolph, Erie, Pa. Pump. No. 1,067,316; July 15; Gaz. vol. 192; p. 554.
- Conrader, Rudolph, Erie, Pa. Controlling device for compressors. No. 1,072,576; Sept. 9; Gaz. vol. 194; p. 339.
- Conradi, Edward W., Seattle, Wash. Double-seaming can-machine. No. 1,077,393; Nov. 4; Gaz. vol. 196; p. 53.
- Conradi, Joseph, St. Louis, Mo. Feed-bag. No. 1,075,764; Oct. 14; Gaz. vol. 195; p. 432.
- Conron, William, Danville, Ill. Skate. No. 1,054,508; Feb. 25; Gaz. vol. 187; p. 1024.
- Conroy, Anthony J., and J. T. Sullivan, New York, N. Y., assignors of one-third to L. F. Carey, Philadelphia, Pa. Vacuum-jacketed receptacle. No. 1,055,710; Mar. 11; Gaz. vol. 188; p. 390.
- Conroy, Harry C., Chicago, Ill. Auxiliary brake. No. 1,067,586; July 15; Gaz. vol. 192; p. 645.
- Conroy, Thomas, Chicago, Ill. Hoof-pad. No. 1,057,222; Mar. 25; Gaz. vol. 188; p. 972.
- Conroy, Thomas L., McLean, Ill. Tinner's tool. No. 1,065,223; June 17; Gaz. vol. 191; p. 763.
- Conser, Charles J., Chicago, Ill. Kitchen-cabinet. No. 1,055,519; Mar. 11; Gaz. vol. 188; p. 327.
- Consigliere, Stefano, Genoa, Italy. Production of metallic bodies by means of electrodeposition. No. 1,051,556; Jan. 28; Gaz. vol. 186; p. 866.
- Consol Automatic Aerators Limited. (See Pearce and Barratt, assignors.)
- Consolidated Car-Heating Company. (See Farmer, Thomas, Jr., assignor.)
- Consolidated Car Heating Company. (See McElroy, James F., assignor.)
- Consolidated Car Heating Company. (See McWhirter, John S., assignor.)
- Consolidated Color & Chemical Co. (See Siepermann, Otto, assignor.)
- Consolidated Dental Manufacturing Company. (See Hardy, James F., assignor.)
- Consolidated Fire Alarm Company. (See Dean, William W., assignor.)
- Consolidated Optical Company. (See Beck, Astridge, and Whitteker, assignors.)
- Consolidated Safety Pin Company. (See Bryant, Charles A., assignor.)
- Constabel, Adolph C. J., Honolulu, Hawaii. Sound-box. No. 1,073,961; Sept. 23; Gaz. vol. 194; p. 882.
- Constant, Nelson T., Danielson, Conn. Shuttle. No. 1,056,629; Mar. 18; Gaz. vol. 188; p. 738.
- Constantin, Louis, Paris, France. Means for reducing the resistance to the passage of vehicles in fluids. No. 1,065,506; June 24; Gaz. vol. 191; p. 899.
- Constantine, Rutherford C., assignor to The Seinsheimer Paper Company, Inc., Cincinnati, Ohio. Merchandise-wrapper. No. 1,068,859; July 29; Gaz. vol. 192; p. 1155.
- Constantinescu, Gogu, Bloomsbury, London, England. Vaporizing apparatus. (Reissue.) No. 13,635; Oct. 28; Gaz. vol. 195; p. 1023.
- Constantini, Cesare L. (See Barghausen and Constantini.)
- Consumers Malting Co. (See Lob, Guido E., assignor.)
- Contant, William C., *et al.* (See Rohrdantz, Henry, assignor.)
- Conte, James, Lima, Ohio. Conveyer mechanism. No. 1,079,163; Nov. 18; Gaz. vol. 196; p. 728.
- Conte, Pasquale C., Freeport, Pa. Ratchet mechanism. No. 1,072,313; Sept. 2; Gaz. vol. 194; p. 217.
- Contenti, Filiberto, assignor of one-half to P. Torello, New Haven, Conn. Marking device. No. 1,073,592; Sept. 23; Gaz. vol. 194; p. 754.
- Contenti, Filiberto, assignor of one-half to P. Torello, New Haven, Conn. Garment-form. No. 1,073,960; Sept. 23; Gaz. vol. 194; p. 881.
- Continental Can Company. (See Robinson, Daniel P., assignor.)
- Continental Computing Cash-Register Company. (See Almen, John O., assignor.)
- Continental Motor Truck Co., The. (See McKeage, Robert S., assignor.)
- Continental Railway Equipment Company. (See Murray, George C., assignor.)
- Continental Water Purifying Corporation. (See Hagg, Virgil B., assignor.)
- Continuous Rail Company. (See Noll, John, assignor.)
- Continuous Rail Company. (See Rhodes, Edgar, assignor.)
- Contos, John, Grand Island, Nebr. Track-adjusting device. No. 1,070,414; Aug. 19; Gaz. vol. 193; p. 527.
- Converse, Atherton D., Winchendon, Mass. Collapsible shoo-fly rocker. No. 1,079,399; Nov. 25; Gaz. vol. 196; p. 837.
- Converse, Charles H., and W. H. C. Rider, Chicago, Ill. Picture-projecting apparatus. No. 1,062,081; May 20; Gaz. vol. 190; p. 594.
- Converse, Frederic S., Binghamton, N. Y. Rotary screen. No. 1,057,709; Apr. 1; Gaz. vol. 189; p. 107.
- Converse, Frederic S., Binghamton, N. Y. Rotary coal-screen. No. 1,079,543; Nov. 25; Gaz. vol. 196; p. 885.
- Converse, Newton B., Fresno, Cal., assignor to himself, as trustee. Flying-machine. No. 1,068,110; July 22; Gaz. vol. 192; p. 855.
- Converse, Newton B., Fresno, Cal., assignor to N. B. Converse, J. E. Dickinson, F. M. Wright, B. W. Norton, L. Z. Ickes, and K. Arakelian, trustees. Fruit-seeding cylinder. No. 1,051,804; Jan. 28; Gaz. vol. 186; p. 946.
- Conveying Weigher Company, The. (See Kinne, Samuel D., assignor.)
- Conway, Carle C. (See Norton, Sereno E., assignor.)
- Conway, George H. (See Herboldt, John, assignor.)

Alphabetical list of patentees—Continued.

- Conway, James M., Bessemer, assignor of one-half to C. P. Hammond, Fossil, Ala. Lock for whip-sockets. No. 1,054,340; Feb. 25; Gaz. vol. 187; p. 966.
- Conway, Robert J. (See Morgan, Jack C., assignor.)
- Conway, Thomas J., Oakland, Cal. Mixing cylinder or drum for concrete-mixers. No. 1,056,974; Mar. 25; Gaz. vol. 188; p. 886.
- Conway, William, Montclair Heights, N. J. Clasp. No. 1,080,539; Dec. 9; Gaz. vol. 197; p. 249.
- Conway, William A. (See Kaylor, William, assignor.)
- Conwell, Robert J., Buffalo, N. Y. Liquid-dispensing device. No. 1,081,019; Dec. 9; Gaz. vol. 197; p. 412.
- Conzelman, John E., assignor to Unit Construction Company, St. Louis, Mo. Double-wall construction. No. 1,079,111; Nov. 18; Gaz. vol. 196; p. 709.
- Conzelman, John E., Webster Groves, assignor to Unit Construction Company, St. Louis, Mo. Wall construction. No. 1,079,112; Nov. 18; Gaz. vol. 196; p. 709.
- Conzelman, John E., Webster Groves, assignor to Unit Construction Company, St. Louis, Mo. Double-wall construction. No. 1,079,113; Nov. 18; Gaz. vol. 196; p. 710.
- Cook, Albert E., Odebolt, Iowa. Motor-plow. No. 1,071,397; Aug. 26; Gaz. vol. 193; p. 890.
- Cook, Andrew A., Irwin, assignor to National Electric Shoe Shining Machine Company, Pittsburgh, Pa. Automatic shoe-shining machine. No. 1,063,416; June 3; Gaz. vol. 191; p. 83.
- Cook, August D., Lawrenceburg, Ind. Strainer for driven wells. No. 1,079,216; Nov. 18; Gaz. vol. 196; p. 745.
- Cook, August D., Lawrenceburg, Ind. Burial-vault. No. 1,079,217; Nov. 18; Gaz. vol. 196; p. 745.
- Cook, Benjamin W., Midland, Mich. Milk-pail strainer. No. 1,070,415; Aug. 19; Gaz. vol. 193; p. 528.
- Cook, Bert J., Amsterdam, N. Y. Combination-tool. No. 1,076,350; Oct. 21; Gaz. vol. 195; p. 661.
- Cook, Byron G., Covington, Tenn. Trap. No. 1,063,857; June 3; Gaz. vol. 191; p. 235.
- Cook, Caleb E., Los Angeles, Cal. Mechanical advertising device. No. 1,081,722; Dec. 16; Gaz. vol. 197; p. 682.
- Cook, Cas W., Mathis, Tex. Machine for cleaning and feeding cotton. No. 1,078,833; Nov. 18; Gaz. vol. 196; p. 613.
- Cook, Charles, New Britain, Conn. Curtain and shade-roller supporter. No. 1,059,118; Apr. 15; Gaz. vol. 189; p. 677.
- Cook, Charles L., Louisville, Ky. Explosion-engine. No. 1,062,323; May 20; Gaz. vol. 190; p. 676.
- Cook, Charles L., Louisville, Ky. Metallic packing. No. 1,066,711; July 8; Gaz. vol. 192; p. 312.
- Cook, Charles W., Milwaukee, Wis. Life-raft. No. 1,078,334; Nov. 11; Gaz. vol. 196; p. 408.
- Cook, Christian W., Provo, Utah. Window-sash holder. No. 1,073,739; Sept. 23; Gaz. vol. 194; p. 807.
- Cook, Darwin H., and E. J. Wilson, Minot, N. D. Clutch for blower-fans and the like. No. 1,052,040; Feb. 4; Gaz. vol. 187; p. 68.
- Cook, Edward G., Brooklyn, assignor to Brass & Copper Products Company, New York, N. Y. Making compound hollow metal bodies. No. 1,063,417; June 3; Gaz. vol. 191; p. 83.
- Cook, Edward G., New York, N. Y., assignor to J. J. Hay, Maplewood, N. J., and C. J. Forsberg, Brooklyn, N. Y. Fluid-control supply-valve for flush-tanks. No. 1,059,038; Apr. 15; Gaz. vol. 189; p. 649.
- Cook, Elmer B., Gilroy, Cal. Machine for washing eggs. No. 1,081,367; Dec. 16; Gaz. vol. 197; p. 567.
- Cook, Enoch J. (See Ussery and Cook.)
- Cook, Eugene. (See Bowers and Cook.)
- Cook, Eugene, assignor to V. R. Cook, Kalamazoo, Mich. Screw lifting-jack. No. 1,049,564; Jan. 7; Gaz. vol. 186; p. 85.
- Cook, Eugene, Kalamazoo, assignor to National Standard Company, Niles, Mich. Drilling-machine. No. 1,073,218; Sept. 16; Gaz. vol. 194; p. 602.
- Cook, Frank A., Hartford, Conn., assignor to Underwood Typewriter Company, New York, N. Y. Type-writing machine. No. 1,055,520; Mar. 11; Gaz. vol. 188; p. 327.
- Cook, Frank A., Hartford, Conn., assignor to Underwood Typewriter Company, New York, N. Y. Type-writing machine. No. 1,063,858; June 3; Gaz. vol. 191; p. 235.
- Cook, Frank A., Hartford, Conn., assignor to Underwood Typewriter Company, New York, N. Y. Type-writing machine. No. 1,066,083; July 1; Gaz. vol. 192; p. 63.
- Cook, Frank B., Chicago, Ill. Folding bracket. No. 1,050,809; Jan. 21; Gaz. vol. 186; p. 575.
- Cook, Frank H., Greenfield, Mass. Screw-cutting die. No. 1,053,158; Feb. 18; Gaz. vol. 187; p. 525.
- Cook, Frank H., and C. C. Stannard, Leominster, Mass.; said Stannard assignor to said Cook. Cutting and embossing device. No. 1,072,915; Sept. 9; Gaz. vol. 194; p. 459.
- Cook, Fred A., Portland, Oreg. Counterbalanced unloading device for trucks. No. 1,061,223; May 6; Gaz. vol. 190; p. 226.
- Cook, Frederick C., Portland, Oreg., and C. B. McCroskey, San Francisco, Cal., said McCroskey assignor to said Cook. Metal store-front. No. 1,065,507; June 24; Gaz. vol. 191; p. 899.
- Cook, George, Allendale, assignor to American Brake Shoe & Foundry Company, Mahwah, N. J. Back for brake-shoes. No. 1,074,352; Sept. 30; Gaz. vol. 194; p. 1040.
- Cook, George E., Herrin, Ill. Shade and curtain bracket. No. 1,062,819; May 27; Gaz. vol. 190; p. 880.
- Cook, Henry, Wellston, Ohio. Safety brake-rigging. No. 1,069,391; Aug. 5; Gaz. vol. 193; p. 106.
- Cook, Herbert C., Springfield, Mass. Balloting device. No. 1,056,502; Mar. 18; Gaz. vol. 188; p. 695.
- Cook, Herbert F., and M. J. Vedvig, Lake Mills, Iowa. Lawn-mower sharpener. No. 1,069,392; Aug. 5; Gaz. vol. 193; p. 107.
- Cook, Herbert F., and C. C. Hildreth, Lake Mills, Iowa. Back-stop for bowling-alleys. No. 1,073,400; Sept. 16; Gaz. vol. 194; p. 667.
- Cook, Herbert F., and C. C. Hildreth, Lake Mills, Iowa. Bowling-alley. No. 1,077,807; Nov. 4; Gaz. vol. 196; p. 194.
- Cook, Howard D., Elyria, Ohio. Feed device for rolling-mills. No. 1,054,748; Mar. 4; Gaz. vol. 188; p. 33.
- Cook, James F., Fayetteville, Ark. Axle for railway-cars. No. 1,057,037; Mar. 25; Gaz. vol. 188; p. 909.
- Cook, James J., Jersey City, N. J. Thermo-electric generator. No. 1,083,191; Dec. 30; Gaz. vol. 197; p. 1242.
- Cook, James L., assignor of forty-nine one-hundredths to O. H. Rogers, Sacramento, Cal. Hay-baling machine. No. 1,069,112; Aug. 5; Gaz. vol. 193; p. 8.
- Cook, James O., Oceanpark, Cal. Amusement device. No. 1,059,596; Apr. 22; Gaz. vol. 189; p. 875.
- Cook, Jay C., and C. E. Welever, Pasadena, Cal. Cylinder lubrication. No. 1,053,574; Feb. 18; Gaz. vol. 187; p. 670.
- Cook, John B., Troy, N. Y. Beach-chair. No. 1,061,270; May 13; Gaz. vol. 190; p. 278.
- Cook, John H. (See Schafer and Cook.)
- Cook, John W., Avalon, Pa. Lock for screens. No. 1,066,799; July 8; Gaz. vol. 192; p. 342.
- Cook, Judson, Philadelphia, Pa. Reinforced brake-shoe. No. 1,063,777; June 3; Gaz. vol. 191; p. 210.
- Cook, Katherine B., Hubbard, Tex. Insect-trap. No. 1,074,837; Oct. 7; Gaz. vol. 195; p. 84.
- Cook, Ludlow G., Everett, Wash. Instrument for measuring standing timber. No. 1,072,577; Sept. 9; Gaz. vol. 194; p. 339.
- Cook, Marcy A., deceased, Peoria, Ill.; M. A. Cook, executrix. Sectional boiler. No. 1,075,194; Oct. 7; Gaz. vol. 195; p. 209.
- Cook, Mary A., executrix. (See Cook, Marcy A.)
- Cook, Otis, Talladega, Ala. Device for raising and lowering automobile-tops. No. 1,073,332; Sept. 16; Gaz. vol. 194; p. 643.
- Cook, Pardon. (See Cook, Wesson J. and P.)
- Cook Railway Signal Company, The. (See Cook, William J., assignor.)
- Cook Railway Signal Company, The. (See Fallek, Nathan, assignor.)
- Cook, Roswell F., New York, N. Y. Trolley. No. 1,056,630; Mar. 18; Gaz. vol. 188; p. 738.
- Cook, Samuel J., Kansas City, Mo. Music-leaf turner. No. 1,075,765; Oct. 14; Gaz. vol. 195; p. 432.
- Cook, Samuel R., Rockport, Ind. Game apparatus. No. 1,059,928; Apr. 22; Gaz. vol. 189; p. 982.
- Cook, Stanley S. (See Parsons and Cook.)
- Cook, Stanley S. (See Parsons, Cook, and Douglas.)
- Cook, Theodore W., assignor of one-half to H. B. Painter, Philadelphia, Pa. Gun-cleaning rod. No. 1,080,679; Dec. 9; Gaz. vol. 197; p. 295.
- Cook, Thomas, Indiana, Pa. Gaseous-fuel mixer. No. 1,078,834; Nov. 18; Gaz. vol. 196; p. 613.
- Cook, Thomas L., Logan, Okla. Wheel. No. 1,075,241; Oct. 7; Gaz. vol. 195; p. 225.
- Cook, Virginia R. (See Cook, Eugene, assignor.)
- Cook, Walter H., New Orleans, La. Shock-absorber. No. 1,058,410; Apr. 8; Gaz. vol. 189; p. 395.
- Cook, Walter H., New Orleans, La. Shock-absorber for automobiles. No. 1,058,411; Apr. 8; Gaz. vol. 189; p. 395.
- Cook, Walter H., New Orleans, La. Shock-absorber for automobiles. No. 1,058,412; Apr. 8; Gaz. vol. 189; p. 395.
- Cook, Walter H., New Orleans, La. Shock-absorber for automobiles. No. 1,058,413; Apr. 8; Gaz. vol. 189; p. 396.
- Cook, Walter H., New Orleans, La. Shock-absorber for automobiles. No. 1,058,414; Apr. 8; Gaz. vol. 189; p. 396.
- Cook, Walter H., New Orleans, La. Shock-absorber. No. 1,062,441; May 20; Gaz. vol. 190; p. 714.
- Cook, Walter H., New Orleans, La. Shock-absorber. No. 1,066,999; July 8; Gaz. vol. 192; p. 409.
- Cook, Walter H., New Orleans, La. Shock-absorber. No. 1,073,401; Sept. 16; Gaz. vol. 194; p. 667.
- Cook, Walter H., New Orleans, La. Steam-cooker. No. 1,079,841; Nov. 25; Gaz. vol. 196; p. 991.
- Cook, Walter H., New Orleans, La. Shock-absorber for automobiles. No. 1,079,842; Nov. 25; Gaz. vol. 196; p. 991.
- Cook, Walter H., London, England. Wrench. No. 1,072,090; Sept. 2; Gaz. vol. 194; p. 143.

Alphabetical list of patentees—Continued.

- Cook, Wesson J. and P., Albany, N. Y. Spring-wheel. No. 1,076,003; Oct. 14; Gaz. vol. 195; p. 514.
- Cook, William E., Brazil, Ind. Train-coach attachment. No. 1,073,962; Sept. 23; Gaz. vol. 194; p. 882.
- Cook, William H., Webster City, Iowa. Tone-modifying device. No. 1,062,224; May 20; Gaz. vol. 190; p. 642.
- Cook, William J., assignor to The Cook Railway Signal Company, Denver, Colo. Electric railway signaling apparatus. No. 1,056,402; Mar. 18; Gaz. vol. 188; p. 657.
- Cook, William J., Denver, Colo., assignor to The Cook Railway Signal Company. Railway signaling apparatus. No. 1,057,038; Mar. 25; Gaz. vol. 188; p. 909.
- Cook, William J., assignor to The Cook Railway Signaling Company, Denver, Colo. Automatically-operated electric signals for railways. No. 1,071,884; Sept. 2; Gaz. vol. 194; p. 74.
- Cook, William O. (See Bashaw, Cook, and Withrow.)
- Cooke, Alexander H., New York, N. Y. Variable-speed-transmission gearing. No. 1,077,454; Nov. 4; Gaz. vol. 196; p. 76.
- Cooke, Arabella C. (See Cooke, Frank N., assignor.)
- Cooke, Charles J., Albany, N. Y. Testing device for motor-vehicles. No. 1,064,615; June 10; Gaz. vol. 191; p. 529.
- Cooke, Clayton G., assignor to The George M. Griswold Machine Company, New Haven, Conn. Paper-box machine. No. 1,053,087; Feb. 11; Gaz. vol. 187; p. 457.
- Cooke, Dwight I., assignor to Vacuum Car Ventilating Co., Chicago, Ill. Car-ventilating system. No. 1,051,312; Jan. 21; Gaz. vol. 186; p. 750.
- Cooke, Ernest W., New York, N. Y., assignor to Cokel Company. Dehydrating apparatus. No. 1,080,198; Dec. 2; Gaz. vol. 197; p. 98.
- Cooke, Frank N., assignor to A. C. Cooke, Danvers, Mass. Air-feeding attachment. No. 1,079,636; Nov. 25; Gaz. vol. 196; p. 918.
- Cooke, George L. (See Sherwood and Cooke.)
- Cooke, James. (See Davies and Cooke.)
- Cooke, James H., Connellsville, Pa. Rail-joint. No. 1,067,973; July 22; Gaz. vol. 192; p. 810.
- Cooke, Truman, Louisville, Ky. Knockdown crate. No. 1,072,826; Sept. 9; Gaz. vol. 194; p. 426.
- Cooke, Warner B., Jenkintown, assignor to William Wharton, Jr., & Company, Incorporated, Philadelphia, Pa. Switch-stand. No. 1,059,119; Apr. 15; Gaz. vol. 189; p. 677.
- Cookingham, De Witt C., and J. H. Hertner, assignors to The Rauch and Lang Carriage Company, Cleveland, Ohio. Gear-truing machine. No. 1,058,353; Apr. 8; Gaz. vol. 189; p. 375.
- Cookingham, De Witt C., and J. H. Hertner, assignors to The Rauch and Lang Carriage Company, Cleveland, Ohio. Steering-post support. No. 1,066,584; July 8; Gaz. vol. 192; p. 267.
- Cookson, Charles L., Kansas City, Mo. Rotary valve for internal-combustion engines. No. 1,061,599; May 13; Gaz. vol. 190; p. 393.
- Cookson, Charles L., assignor to Admiral Hay Press Company, Kansas City, Mo. Baling-press. No. 1,069,231; Aug. 5; Gaz. vol. 193; p. 52.
- Cooley, Henry B., New Britain, assignor to The American Paper Goods Company, Kensington, Conn. Flat-bed rotary printing-press. No. 1,070,117; Aug. 12; Gaz. vol. 193; p. 383.
- Cooley, Henry B., New Britain, assignor to The American Paper Goods Company, Kensington, Conn. Vending-machine. No. 1,074,696; Oct. 7; Gaz. vol. 195; p. 39.
- Cooley, Henry B., New Britain, assignor to The American Paper Goods Company, Kensington, Conn. Flat-bed rotary printing-press. No. 1,076,004; Oct. 14; Gaz. vol. 195; p. 514.
- Cooley, Herbert M., Mexico, Mexico. Flying-machine. No. 1,056,150; Mar. 18; Gaz. vol. 188; p. 574.
- Cooley, John F., assignor, by mesne assignments, to C. Hubert, New York, N. Y. Lubricator. No. 1,054,636; Feb. 25; Gaz. vol. 187; p. 1066.
- Cooley, Proctor P., assignor to Culter & Proctor Stove Co., Peoria, Ill. Soft-coal burner. No. 1,075,335; Oct. 14; Gaz. vol. 195; p. 284.
- Coolidge, Charles H., Malden, Mass., assignor to Boston Refrigerating Company. Combined cooling and ventilating apparatus. No. 1,054,749; Mar. 4; Gaz. vol. 188; p. 33.
- Coolidge, William D., Schenectady, N. Y., assignor to General Electric Company. Production of refractory conductors. No. 1,077,674; Nov. 4; Gaz. vol. 196; p. 149.
- Coolidge, William D., Schenectady, N. Y., assignor to General Electric Company. Tungsten and making the same for use as filaments of incandescent electric lamps and for other purposes. No. 1,082,933; Dec. 30; Gaz. vol. 197; p. 1162.
- Coon, Edith M. (See Learman and Coon.)
- Cooney, John A. (See Church and Cooney.)
- Cooney, Robert L., Atlanta, Ga. Stationary fire-extinguisher system. No. 1,075,014; Oct. 7; Gaz. vol. 195; p. 145.
- Cooney, Robert L., Atlanta, Ga. Stationary fire-extinguisher system. No. 1,075,015; Oct. 7; Gaz. vol. 195; p. 146.
- Cooney, Robert L., Atlanta, Ga. Stationary fire-extinguisher system. No. 1,075,016; Oct. 7; Gaz. vol. 195; p. 146.
- Cooney, Robert L., Atlanta, Ga. Stationary fire-extinguisher system. No. 1,075,017; Oct. 7; Gaz. vol. 195; p. 146.
- Cooney, Robert L., Atlanta, Ga. Chemical-mixing fire-extinguisher system. No. 1,075,018; Oct. 7; Gaz. vol. 195; p. 147.
- Cooney, Robert L., Atlanta, Ga. Dry-pipe water-service fire-extinguisher system. No. 1,075,019; Oct. 7; Gaz. vol. 195; p. 147.
- Cooney, Robert L., Atlanta, Ga. Stationary fire-extinguisher system. No. 1,075,020; Oct. 7; Gaz. vol. 195; p. 148.
- Cooney, Robert L., Atlanta, Ga. Dry-pipe water-service fire-extinguisher system. No. 1,075,021; Oct. 7; Gaz. vol. 195; p. 148.
- Cooney, Robert L., Atlanta, Ga. Stationary fire-extinguisher system. No. 1,075,091; Oct. 7; Gaz. vol. 195; p. 173.
- Cooney, Robert L., Atlanta, Ga. Chemical-mixing fire-extinguisher system. No. 1,075,195; Oct. 7; Gaz. vol. 195; p. 209.
- Cooney, Robert L., Atlanta, Ga. Pressure-controlled fire-extinguisher system. No. 1,075,283; Oct. 7; Gaz. vol. 195; p. 242.
- Coonley, Howard, assignor to Coonley Manufacturing Company, Clyde, Ill. Bail-handle. No. 1,073,740; Sept. 23; Gaz. vol. 194; p. 807.
- Coonley Manufacturing Company. (See Coonley, Howard, assignor.)
- Coons, Burton C., Rochester, N. Y. Apparatus for feeding apples. No. 1,070,416; Aug. 19; Gaz. vol. 193; p. 528.
- Cooper Airship Company. (See Cooper, Joseph E., assignor.)
- Cooper, Albert N., Raton, N. Mex. Pump. No. 1,054,827; Mar. 4; Gaz. vol. 188; p. 61.
- Cooper, Alfred J., Totland Bay, Isle of Wight, England. Apparatus for indicating and recording the speed of ships. No. 1,061,985; May 20; Gaz. vol. 190; p. 561.
- Cooper, Alfred L., Odessa, Mo. Cable-hanger. No. 1,054,750; Mar. 4; Gaz. vol. 188; p. 33.
- Cooper, Andrew H., Mulberry, Fla. Ball-and-socket pipe-coupling. No. 1,057,939; Apr. 1; Gaz. vol. 189; p. 185.
- Cooper, August A. (See Young and Cooper.)
- Cooper, Augustus S., Santa Barbara, Cal. Removing heavy liquids and other liquidable matter from wells. No. 1,057,121; Mar. 25; Gaz. vol. 188; p. 937.
- Cooper, Benson P., assignor of one-sixteenth to R. C. Wilson and one-sixteenth to W. Wilson, Ithaca, N. Y. Cushioning means for vehicles. No. 1,066,712; July 8; Gaz. vol. 192; p. 312.
- Cooper, Cecil C., McPherson, Kans. Straw-spreader. No. 1,054,828; Mar. 4; Gaz. vol. 188; p. 61.
- Cooper, Charles C., Los Angeles, and H. F. Richter, Pasadena, Cal. Heater and fuel-economizer. No. 1,063,912; June 3; Gaz. vol. 191; p. 254.
- Cooper, Daniel M., Rochester, N. Y., assignor, by mesne assignments, to American Laundry Machinery Company, Cincinnati, Ohio. Pressing-machine. No. 1,069,232; Aug. 5; Gaz. vol. 193; p. 52.
- Cooper, Daniel M., Rochester, N. Y., assignor to The American Laundry Machinery Company, Chicago, Ill. Stop mechanism. No. 1,073,887; Sept. 23; Gaz. vol. 194; p. 856.
- Cooper, Daniel M., Rochester, N. Y., assignor to The American Laundry Machinery Company, Chicago, Ill. Stop mechanism for machinery. No. 1,073,888; Sept. 23; Gaz. vol. 194; p. 857.
- Cooper, Daniel M., Rochester, N. Y., assignor to The American Laundry Machinery Company, Cincinnati, Ohio. Stop mechanism for machinery. No. 1,073,889; Sept. 23; Gaz. vol. 194; p. 857.
- Cooper, Daniel M., Rochester, N. Y., assignor to American Laundry Machinery Company, Cincinnati, Ohio. Laundry-press. No. 1,073,890; Sept. 23; Gaz. vol. 194; p. 858.
- Cooper, Edward B., Oak Lane, Pa. Parallel-adjustment mechanism for cameras. No. 1,071,299; Aug. 26; Gaz. vol. 193; p. 857.
- Cooper, Edward W., New Orleans, La. Window-cleaner's scaffold. No. 1,083,192; Dec. 30; Gaz. vol. 197; p. 1242.
- Cooper, Frank. (See Hodges and Cooper.)
- Cooper, Frank J., Emporia, Kans. Rifle. No. 1,079,471; Nov. 25; Gaz. vol. 196; p. 861.
- Cooper, Frederick C., Toronto, Ontario, Canada. Cigarette-former. No. 1,069,921; Aug. 12; Gaz. vol. 193; p. 316.
- Cooper, Harry L., Albany, Oreg. Burglar-alarm. No. 1,060,535; Apr. 29; Gaz. vol. 189; p. 1236.
- Cooper Heater Company, The. (See Pascoe, William F., Jr., assignor.)
- Cooper Hewitt Electric Co. (See Pole, Joseph C., assignor.)
- Cooper Hewitt Electric Company. (See Bastian, Charles O., assignor.)
- Cooper Hewitt Electric Company. (See Hewitt, Peter C., assignor.)

Alphabetical list of patentees—Continued.

- Cooper Hewitt Electric Company. (See Hewitt and Rogers, assignors.)
- Cooper Hewitt Electric Company. (See Keller, Frederick H. von, assignor.)
- Cooper Hewitt Electric Company. (See Keyes, Frederick G., assignor.)
- Cooper Hewitt Electric Company. (See Thomas, Percy H., assignor.)
- Cooper, Howell C. (See Pew and Cooper.)
- Cooper, James A., Grand Saline, Tex. Fruit-cutter and juice-extractor. No. 1,070,417; Aug. 19; Gaz. vol. 193; p. 528.
- Cooper, James A., assignor of one-half to D. W. Hughes, Chattanooga, Tenn. Rim and tire for vehicle-wheels. No. 1,053,141; Feb. 11; Gaz. vol. 187; p. 476.
- Cooper, James J., assignor to American Car and Foundry Company, St. Louis, Mo. Railway-car end construction. No. 1,072,431; Sept. 9; Gaz. vol. 194; p. 288.
- Cooper, John J., London, England, assignor to Underwood Typewriter Company, New York, N. Y. Type-writing machine. No. 1,068,325; July 22; Gaz. vol. 192; p. 931.
- Cooper, John J., London, England, assignor, by mesne assignments, to Underwood Typewriter Company, New York, N. Y. Type-writing machine. No. 1,071,885; Sept. 2; Gaz. vol. 194; p. 75.
- Cooper, Joseph E., Chicago, Ill. Breath deflector or guard. No. 1,077,042; Oct. 28; Gaz. vol. 195; p. 959.
- Cooper, Joseph E., Cripple Creek, Colo., assignor to Cooper Airship Company, Chicago, Ill. Military and passenger airship. No. 1,056,503; Mar. 18; Gaz. vol. 188; p. 695.
- Cooper, Joseph H., Paola, Kans. System of feeding treated water to boilers. No. 1,050,616; Jan. 14; Gaz. vol. 186; p. 477.
- Cooper, Joseph H., Paola, Kans., assignor to Dearborn Drug & Chemical Works, Chicago, Ill. Chemical-feeder. No. 1,075,022; Oct. 7; Gaz. vol. 195; p. 149.
- Cooper, Leslie A., assignor of one-half to G. W. Kimball, Springfield, Mass. Fluid-delivery and pressure-governing device. No. 1,050,763; Jan. 14; Gaz. vol. 186; p. 524.
- Cooper, Morton, Bainbridge, N. Y. Vermin-killing poultry-perch. No. 1,082,585; Dec. 30; Gaz. vol. 197; p. 1040.
- Cooper, Rosabelle F., New York, N. Y. Scarf-coat. No. 1,057,331; Mar. 25; Gaz. vol. 188; p. 1007.
- Cooper, Thomas, Kings Lynn, England. Roller-bearing. No. 1,059,839; Apr. 22; Gaz. vol. 189; p. 954.
- Cooper, Thomas W., Buckhead, Ga. Steam-heating system. No. 1,079,637; Nov. 25; Gaz. vol. 196; p. 918.
- Cooper, Voras L., Chicago, Ill. Railway-crossing. No. 1,071,398; Aug. 26; Gaz. vol. 193; p. 891.
- Cooper, W. H. (See Vickery, Thomas F., assignor.)
- Cooper, William, Pittsburgh, Pa., assignor to Westinghouse Electric and Manufacturing Company. Car-lighting system. No. 1,079,400; Nov. 25; Gaz. vol. 196; p. 837.
- Cooper, William, Pittsburgh, Pa., assignor to Westinghouse Electric and Manufacturing Company. Car-lighting system. No. 1,079,401; Nov. 25; Gaz. vol. 196; p. 837.
- Cooper, William, Wilkinsburg, assignor to General Refrigerating Company, Pittsburgh, Pa. Refrigerating apparatus. No. 1,080,540; Dec. 9; Gaz. vol. 197; p. 249.
- Cooper, William C., Perry, Mich. Internal-combustion turbine-engine. No. 1,064,962; June 17; Gaz. vol. 191; p. 679.
- Cooper, William F., Norwalk, Ohio. Pneumatic motor. No. 1,058,847; Apr. 15; Gaz. vol. 189; p. 581.
- Coopersmith, Rudolph, St. Louis, Mo. Bed-bottom fabric. No. 1,052,890; Feb. 11; Gaz. vol. 187; p. 389.
- Coopersmith, Rudolph, St. Louis, Mo. Sofa-bedstead. No. 1,061,986; May 20; Gaz. vol. 190; p. 561.
- Cope, Joseph H., Windsor, Colo. Irrigating head-gate. No. 1,056,006; Mar. 18; Gaz. vol. 188; p. 525.
- Cope, Troy, New Waterford, Ohio. Trolley-contact signal or switch system. No. 1,050,000; Jan. 7; Gaz. vol. 186; p. 230.
- Copeland, Hugh B., Denver, Colo. Building construction. No. 1,050,428; Jan. 14; Gaz. vol. 186; p. 412.
- Copeland, James S., Hartford, assignor, by mesne assignments, to The New Departure Manufacturing Company, Bristol, Conn. Driving and braking mechanism for vehicles. No. 1,069,603; Aug. 5; Gaz. vol. 193; p. 177.
- Copeland, Lucius D., Camden, N. J. Vacuum-alarm. No. 1,080,541; Dec. 9; Gaz. vol. 197; p. 249.
- Copeland, Merritt, St. Paul, Ind. Attachment for grain-drills. No. 1,064,616; June 10; Gaz. vol. 191; p. 529.
- Copeman Electric Stove Company, The. (See Copeman, Lloyd G., assignor.)
- Copeman, Lloyd G., Flint, Mich. Electric switch. No. 1,069,531; Aug. 5; Gaz. vol. 193; p. 154.
- Copeman, Lloyd G., assignor to The Copeman Electric Stove Company, Flint, Mich. Electrically-heated oven construction. No. 1,050,105; Jan. 14; Gaz. vol. 186; p. 301.
- Copeman, Lloyd G., assignor to The Copeman Electric Stove Company, Flint, Mich. Electric cooker. No. 1,053,280; Feb. 18; Gaz. vol. 187; p. 568.
- Copeman, Lloyd G., assignor to The Copeman Electric Stove Company, Flint, Mich. Thermostat and thermometer. No. 1,055,446; Mar. 11; Gaz. vol. 188; p. 304.
- Copenhagen, Herman C., Auburn, Wash. Harrow. No. 1,077,455; Nov. 4; Gaz. vol. 196; p. 76.
- Coplestone, Herbert W., Bunbury, Western Australia, assignor of one-half to W. L. Marsh, Bunbury, Australia. Pneumatic-operated pump for liquids. No. 1,073,474; Sept. 16; Gaz. vol. 194; p. 693.
- Copley, James B., Camden, W. Va. Adjustable spur. No. 1,057,620; Apr. 1; Gaz. vol. 189; p. 76.
- Copley, Richard H., Seattle, Wash. Oil-burner. No. 1,056,504; Mar. 18; Gaz. vol. 188; p. 695.
- Coplon, Joseph, Buffalo, N. Y. Speed-controller for motor-vehicles. No. 1,067,317; July 15; Gaz. vol. 192; p. 555.
- Copony, Alfred, Montreal, Quebec, Canada. Car construction. No. 1,056,975; Mar. 25; Gaz. vol. 188; p. 886.
- Copony, Alfred, Verdun, Quebec, Canada. Bolster-guide plate for railway-car trucks. No. 1,073,333; Sept. 16; Gaz. vol. 194; p. 643.
- Copp, Alfred E. (See McCarty, William F. M., assignor.)
- Copp, Charles H., et al. (See Dillon, Friend E., assignor.)
- Coppage, La Rue R., Chicago, Ill. Temporary binder. No. 1,063,243; June 3; Gaz. vol. 191; p. 26.
- Coppedge, George A. N., Henderson, N. C. Dry closet. No. 1,067,097; July 8; Gaz. vol. 192; p. 441.
- Copper Clad Malleable Range Company. (See Scruggs, Loyd, assignor.)
- Copper Oil Products Company. (See Ellis, Carleton, assignor.)
- Copper Process Company. (See Lovett, Thomas J., assignor.)
- Coppock, Andrew J., et al. (See Crockett, Daniel W., assignor.)
- Coppock, Lambert W., Decatur, Ind. Automobile. No. 1,075,816; Oct. 14; Gaz. vol. 195; p. 449.
- Coppus Engineering and Equipment Company. (See Coppus, Frans H. C., assignor.)
- Coppus, Frans H. C., assignor to Coppus Engineering and Equipment Company, Worcester, Mass. Steam-turbine. No. 1,056,151; Mar. 18; Gaz. vol. 188; p. 574.
- Corbett, John P., Fayette, Ala. Rim-brace and tire-clamp. No. 1,052,572; Feb. 11; Gaz. vol. 187; p. 280.
- Corbett, Michael A., Columbus, Ohio. Gas-meter connection. No. 1,069,393; Aug. 5; Gaz. vol. 193; p. 107.
- Corbett, William P. (See Craig, Harry L., assignor.)
- Corbin, Douglas H. (See Bates, Kelly, and Corbin.)
- Corbin, James W., Huntingdon, Pa. Railway-tie. No. 1,060,428; Apr. 29; Gaz. vol. 189; p. 1200.
- Corbit, Wardner N., Atkinson, Nebr. Hitch-strap and line fastener. No. 1,056,007; Mar. 18; Gaz. vol. 188; p. 525.
- Corbitt, Duvon C., Pearson, Ga. Supporting-bracket. No. 1,059,039; Apr. 15; Gaz. vol. 189; p. 649.
- Corcoran, Cornelius B., assignor to Underwood Typewriter Company, New York, N. Y. Type-writing machine. No. 1,053,575; Feb. 18; Gaz. vol. 187; p. 670.
- Corcoran, Cornelius B., assignor to Underwood Typewriter Company, New York, N. Y. Type-writing machine. No. 1,060,321; Apr. 29; Gaz. vol. 189; p. 1162.
- Corcoran, Cornelius B., assignor to Underwood Typewriter Company, New York, N. Y. Type-writing machine. No. 1,061,600; May 13; Gaz. vol. 190; p. 393.
- Corcoran, Cornelius B., assignor to Underwood Typewriter Company, New York, N. Y. Type-writing machine. No. 1,062,386; May 20; Gaz. vol. 190; p. 697.
- Corcoran, Cornelius B., assignor to Underwood Typewriter Company, New York, N. Y. Desk-clamp for type-writing machines. No. 1,064,712; June 17; Gaz. vol. 191; p. 598.
- Corcoran, Cornelius B., assignor to Underwood Typewriter Company, New York, N. Y. Type-writing machine. No. 1,067,318; July 15; Gaz. vol. 192; p. 555.
- Corcoran, Cornelius B., assignor to Underwood Typewriter Company, New York, N. Y. Type-writing machine. No. 1,078,537; Nov. 11; Gaz. vol. 196; p. 477.
- Corcoran, George L. and G. A. Dobyne, assignors to Champion Shoe Machinery Company, St. Louis, Mo. Shoe-sewing machine. No. 1,056,750; Mar. 18; Gaz. vol. 188; p. 781.
- Corcoran, William M., Stockton, Cal. Mail-collecting device. No. 1,050,106; Jan. 14; Gaz. vol. 186; p. 302.
- Corcos, Joseph, Brooklyn, N. Y. Hat-securing device. No. 1,070,778; Aug. 19; Gaz. vol. 193; p. 651.
- Corder, William H. (See Morgan and Corder.)
- Cordero, Ramón F., Rubio, Venezuela. Front vehicle suspension. No. 1,073,796; Sept. 23; Gaz. vol. 194; p. 825.
- Cordero, Ramón F., Rubio, Venezuela. Vehicle suspension. No. 1,073,797; Sept. 23; Gaz. vol. 194; p. 825.
- Cordero, Ramón F., Rubio, Venezuela. Marine signal. No. 1,073,798; Sept. 23; Gaz. vol. 194; p. 826.
- Cordley, Henry G. (See Long and Cordley.)
- Cordley, Henry G., Glen Ridge, N. J. Water-cooler. No. 1,054,677; Mar. 4; Gaz. vol. 188; p. 9.
- Cordray, James M., Los Angeles, Cal. Tree-wax. No. 1,054,751; Mar. 4; Gaz. vol. 188; p. 34.
- Cordray, James M., Los Angeles, Cal. Extensible car-strap. No. 1,056,152; Mar. 18; Gaz. vol. 188; p. 575.
- Cordray, James M., Los Angeles, Cal. Compound for igniting blast-fuses. No. 1,072,827; Sept. 9; Gaz. vol. 194; p. 426.

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- Core, A. A. (See Allen, James H., assignor.)
- Corell, Leon O., Kalamazoo, Mich. Current-controlling device. No. 1,052,891; Feb. 11; Gaz. vol. 187; p. 389.
- Corey, Daniel W., St. Louis, Mo., assignor to Union Special Sewing Machine Company, Chicago, Ill. Thread-controlling mechanism for sewing-machines. No. 1,075,695; Oct. 14; Gaz. vol. 195; p. 408.
- Corey, Francis E., Alhambra, Cal. Sanitary lavatory. No. 1,069,233; Aug. 5; Gaz. vol. 193; p. 53.
- Corey, Fred B., Schenectady, N. Y., assignor, by mesne assignments, to The Union Switch and Signal Company. Control of railway apparatus. No. 1,051,557; Jan. 28; Gaz. vol. 186; p. 866.
- Corey, Fred B., Edgewood Park, Pa., assignor, by mesne assignments, to The Union Switch & Signal Company. Dash-pot. No. 1,058,290; Apr. 8; Gaz. vol. 189; p. 351.
- Corey, Harry R., New York, assignor to American Stopper Company, Brooklyn, N. Y. Bottle-cap. No. 1,062,820; May 27; Gaz. vol. 190; p. 881.
- Coriell, Louis D., Baltimore, Md. Shaving-brush. No. 1,082,934; Dec. 30; Gaz. vol. 197; p. 1162.
- Cork Insert Company, The. (See Whitcomb, Lawrence, assignor.)
- Corley, Quentin D., Dallas, Tex. Dressing device for armless people. No. 1,054,279; Feb. 25; Gaz. vol. 187; p. 944.
- Cormack, John, *et al.* (See Olson, Rorem, and Hill, assignors.)
- Cormack, Mark N., assignor to C. B. Cottrell & Sons Company, New York, N. Y. Offset mechanism for printing-machines. No. 1,082,409; Dec. 23; Gaz. vol. 197; p. 947.
- Corn, Joseph, New York, N. Y. Self-fitting skirt. No. 1,058,039; Apr. 8; Gaz. vol. 189; p. 263.
- Corn Products Refining Company. (See Bauer, Louis P., assignor.)
- Corn Products Refining Company. (See Breyer, Theodor E., assignor.)
- Corn Products Refining Company. (See Jefferies, Frederick L., assignor.)
- Corn Products Refining Company. (See Jefferies and Spain, assignors.)
- Corne, Charles L. (See Burguières, Corne, and Marshall.)
- Cornell, Robert F., San Diego, Cal. Folding bed. No. 1,078,613; Nov. 18; Gaz. vol. 196; p. 534.
- Cornelius, Benjamin F., Davis, Okla. Washing or cooking boiler. No. 1,051,558; Jan. 28; Gaz. vol. 186; p. 867.
- Cornelius, Benjamin L., Hutchinson, Kans. Oil-burner. No. 1,063,913; June 3; Gaz. vol. 191; p. 255.
- Cornelius, Louis A., Grand Rapids, Mich. Chain-post. No. 1,054,829; Mar. 4; Gaz. vol. 188; p. 61.
- Cornelius, Louis A., Grand Rapids, Mich. Sanitary drinking-cup. No. 1,062,695; May 27; Gaz. vol. 190; p. 840.
- Cornelius, Louis A., Grand Rapids, Mich. Repair-screw for boilers. No. 1,066,253; July 1; Gaz. vol. 192; p. 125.
- Cornelius, Louis W. C. (See Lynnock, Carl, assignor.)
- Cornell, Arthur B., Ottawa township, Franklin county, Kans. Signal for baling-presses. No. 1,069,602; Aug. 5; Gaz. vol. 193; p. 176.
- Cornell, James, *et al.* (See De Hymel, Franklin O., assignor.)
- Cornell, Joseph D., *et al.* (See Crosbie, Daniel L., assignor.)
- Cornell, Ray V., Centuria, Wis. Igniting device for gas-engines. No. 1,070,874; Aug. 19; Gaz. vol. 193; p. 681.
- Cornely, Robert. (See Reichardt, Erich, assignor.)
- Cornett, Barney T., assignor to M. E. Farris, Showens, Tenn. Scaling-torch. No. 1,078,903; Nov. 18; Gaz. vol. 196; p. 636.
- Corning Glass Works. (See Churchill, William, assignor.)
- Corns, John L., assignor of one-third to W. A. Howard and one-third to H. J. Swarts, Chelsea, Okla. Detachable reach end. No. 1,062,769; May 27; Gaz. vol. 190; p. 864.
- Cornwall, Frederick R. (See Boerner, Hermann, assignor.)
- Cornwall, George R., Rye, N. Y. Offset-blanket. No. 1,074,775; Oct. 7; Gaz. vol. 195; p. 65.
- Cornwall, George R., Rye, N. Y., assignor to American Planograph Company. Producing planographic printing-forms. No. 1,069,855; Aug. 12; Gaz. vol. 193; p. 294.
- Cornwall, George R., Rye, N. Y., assignor to American Planograph Company. Printing-plate. No. 1,069,856; Aug. 12; Gaz. vol. 193; p. 295.
- Cornwall, George R., Rye, N. Y., assignor to American Planograph Company. Planographic printing surface. No. 1,069,857; Aug. 12; Gaz. vol. 193; p. 295.
- Cornwall, George R., Rye, N. Y., assignor to American Planograph Company. Types. No. 1,079,402; Nov. 25; Gaz. vol. 196; p. 838.
- Cornwall, John B., assignor to Barnard and Leas Manufacturing Company, Moline, Ill. Packer. No. 1,077,808; Nov. 4; Gaz. vol. 196; p. 194.
- Cornwell, Claude C., Toledo, Ohio. Fabric renovating and cleaning device. No. 1,055,879; Mar. 11; Gaz. vol. 188; p. 448.
- Cornyn, James M., Philadelphia, Pa. Stove attachment. No. 1,070,118; Aug. 12; Gaz. vol. 193; p. 383.
- Corona Chemical Company. (See Hall, Clare H., assignor.)
- Corona Mfg. Co., The. (See Harris, Edward E., assignor.)
- Corrie, David A., Vincennes, Ind. Spindle-lubricator. No. 1,065,781; June 24; Gaz. vol. 191; p. 992.
- Corrigan, John A., St. Paul, and E. M. Mortimer, Minneapolis, Minn. Joint for train-pipe connections. No. 1,078,129; Nov. 11; Gaz. vol. 196; p. 336.
- Corrugated Bar Company. (See Clark, Dwight G., assignor.)
- Corrugated Bar Company. (See Lindau, Alfred E., assignor.)
- Corser, Irving, Portland, Oreg. Vaporizing oil-burner. No. 1,051,559; Jan. 28; Gaz. vol. 186; p. 867.
- Corser, Lorenzo D., Bridgton, Me. Spring supporter and repairer. No. 1,056,631; Mar. 18; Gaz. vol. 188; p. 739.
- Corson, William L., assignor to Union Gas Engine Company, San Francisco, Cal. Gasifier for liquid fuels. No. 1,080,139; Dec. 2; Gaz. vol. 197; p. 77.
- Cort, Charles H., San Francisco, Cal. Feed-water purifier. No. 1,064,195; June 10; Gaz. vol. 191; p. 387.
- Cort-Kitsee Co. (See Kitsee, Isidor, assignor.)
- Corthesy, Jules H., Sr., and J. H., Jr., London, England. Turbine. No. 1,052,800; Feb. 11; Gaz. vol. 187; p. 359.
- Cortissoz, Samuel W., Philadelphia, Pa. Feed and delivery attachment for printing-presses. No. 1,061,526; May 13; Gaz. vol. 190; p. 367.
- Corwin, Elmer R., Chicago, Ill. Telephony. No. 1,055,988; Mar. 11; Gaz. vol. 188; p. 484.
- Corwin, Elmer R., Chicago, Ill. Telephony. No. 1,055,989; Mar. 11; Gaz. vol. 188; p. 485.
- Corwin, Elmer R., Chicago, Ill., assignor to Corwin Telephone Manufacturing Company. Telephony. No. 1,054,176; Feb. 25; Gaz. vol. 187; p. 910.
- Corwin, Elmer R., assignor to Corwin Telephone Manufacturing Company, Chicago, Ill. Telephone system. No. 1,071,208; Aug. 26; Gaz. vol. 193; p. 826.
- Corwin, Elmer R., assignor to Corwin Telephone Manufacturing Company, Chicago, Ill. Telephone-exchange system. No. 1,071,209; Aug. 26; Gaz. vol. 193; p. 827.
- Corwin, Elmer R., assignor to Corwin Telephone Manufacturing Company, Chicago, Ill. Telephony. No. 1,071,210; Aug. 26; Gaz. vol. 193; p. 827.
- Corwin, Elmer R., assignor to Corwin Telephone Manufacturing Company, Chicago, Ill. Telephony. No. 1,071,211; Aug. 26; Gaz. vol. 193; p. 828.
- Corwin, Elmer R., assignor to Corwin Telephone Manufacturing Company, Chicago, Ill. Telephony. No. 1,071,212; Aug. 26; Gaz. vol. 193; p. 829.
- Corwin, Elmer R., and C. A. Bals, assignors to Corwin Telephone Manufacturing Company, Chicago, Ill. Telephone system. No. 1,071,207; Aug. 26; Gaz. vol. 193; p. 826.
- Corwin Telephone Manufacturing Company. (See Bals, Charles A., assignor.)
- Corwin Telephone Manufacturing Company. (See Corwin, Elmer R., assignor.)
- Corwin Telephone Manufacturing Company. (See Corwin and Bals, assignors.)
- Corwin Telephone Manufacturing Company. (See Johnson, Morton L., assignor.)
- Cory, Emuel, Colfax, Ind. Broom-corn-cleaning machine. No. 1,064,617; June 10; Gaz. vol. 191; p. 529.
- Cory, Henry T., Dexter, N. Y. Rail-clip. No. 1,063,859; June 3; Gaz. vol. 191; p. 235.
- Coryell, Joe H. (See Abrames and Coryell.)
- Coryell, John, Coryell, Mich. Lifting-jack. No. 1,075,766; Oct. 14; Gaz. vol. 195; p. 432.
- Coryell, William C., Youngstown, Ohio. Reinforcing-bar for concrete and similar structures. No. 1,076,192; Oct. 21; Gaz. vol. 195; p. 606.
- Cosgrove, Christopher H., Atlanta, Ga. Railway-ticket. No. 1,061,821; May 13; Gaz. vol. 190; p. 464.
- Cosgrove, James M., Malden, Mass. Street and road construction. No. 1,078,773; Nov. 18; Gaz. vol. 196; p. 593.
- Cosgrove, Jesse, Harrisburg, Pa. Metallic railway-tie and securing means therefor. No. 1,070,779; Aug. 19; Gaz. vol. 193; p. 651.
- Cosgrove, John W. (See Erickson and Cosgrove.)
- Cosgrove, John W., Medford, and E. Erickson, Beverly, Mass., assignors to United Shoe Machinery Company, Paterson, N. J. Sole-pressing machine. No. 1,058,729; Apr. 15; Gaz. vol. 189; p. 539.
- Cossin, Celestin. (See Lewis and Cossin.)
- Costello, George W. (See Pandow, Emil G., assignor.)
- Costello, Joseph A. (See Bidle and Costello.)
- Costello, Joseph A., assignor to Cleveland Car Specialty Company, Cleveland, Ohio. Car-roof. No. 1,053,710; Feb. 18; Gaz. vol. 187; p. 717.
- Costello, Joseph A., assignor to Cleveland Car Specialty Company, Cleveland, Ohio. Car-roof construction. No. 1,056,505; Mar. 18; Gaz. vol. 188; p. 696.
- Coster, Arthur V., Marple, England. Hydro-explosive motor. No. 1,055,880; Mar. 11; Gaz. vol. 188; p. 448.
- Costikyan & Company. (See Morookian, Harutune, assignor.)
- Costmeter Company, The. (See Quigley, John T., assignor.)

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- Coston, Herbert E., London, England. Photographic flash-lighting. No. 1,059,278; Apr. 15; Gaz. vol. 189; p. 731.
- Cota, Daniel E., assignor of one-half to himself and one-half to J. Fischer, Boston, Mass. Packing. No. 1,079,976; Dec. 2; Gaz. vol. 197; p. 19.
- Côte, Cyrille, Paris, assignor to Société des Etablissements Côte, Pantin, France. Two-cycle explosion-motor. No. 1,072,314; Sept. 2; Gaz. vol. 194; p. 217.
- Coté, Edmund. (See Philblade, Eric R., assignor.)
- Côte, Elysée, assignor to Société des Etablissements Côte, Pantin, France. Admission-pipe for two-stroke internal-combustion engines. No. 1,063,011; May 27; Gaz. vol. 190; p. 944.
- Coté, George A., Montreal, Quebec, Canada. Sink-stopper. No. 1,081,434; Dec. 16; Gaz. vol. 197; p. 588.
- Côté, Louis E., Ottawa, Ontario, and W. F. Kelley, Halifax, Nova Scotia, Canada. Means for producing sound-waves. No. 1,068,220; July 22; Gaz. vol. 192; p. 894.
- Côté, Louis E., Ottawa, Ontario, Canada, and W. F. Kelley, Ithaca, N. Y. Means for producing sound-waves. No. 1,080,264; Dec. 2; Gaz. vol. 197; p. 122.
- Cotten, P. S., administrator. (See Bright, William S.)
- Cotter, George L., Rock Island, assignor to Deere & Company, Moline, Ill. Headboard for harvesters. No. 1,075,696; Oct. 14; Gaz. vol. 195; p. 408.
- Cotter, Henderson W. (See Mitchell and Cotter.)
- Cottet, Eugene, Bloomington, Ill. Combined carpet-sweeper and vacuum-cleaner. No. 1,051,391; Jan. 28; Gaz. vol. 186; p. 809.
- Cottew, Charles W., Sheridan, Ill. Combination portable elevator and wagon-dump. No. 1,075,196; Oct. 7; Gaz. vol. 194; p. 210.
- Cottle, John, assignor of one-half to F. V. Hallen, Des Moines, Iowa. Bed-plate adjustment for printing-presses. No. 1,056,090; Mar. 18; Gaz. vol. 188; p. 553.
- Cottle, John H., New York, N. Y. Nozzle. No. 1,073,963; Sept. 23; Gaz. vol. 194; p. 882.
- Cottle, Thomas W., Oakland, Kans. Lock. No. 1,063,157; May 27; Gaz. vol. 190; p. 992.
- Cotton, Alfred, Newark, N. J. Air-regulator for steam-boiler furnaces. No. 1,067,319; July 15; Gaz. vol. 192; p. 556.
- Cotton, Alfred, Newark, N. J., assignor of one-half to J. F. Potts, New York, N. Y. Shoe ventilator. No. 1,056,008; Mar. 18; Gaz. vol. 188; p. 525.
- Cotton, Charles, Burkett, Nebr. Wrench. No. 1,069,858; Aug. 12; Gaz. vol. 193; p. 295.
- Cotton Harvester Company. (See Patterson, Warren A., assignor.)
- Cotton, Jesse F., *et al.* (See Bush, Isaac W., assignor.)
- Cotton, Michael, Clinton, Ind. Lamp. No. 1,071,550; Aug. 26; Gaz. vol. 193; p. 940.
- Cotton, Robert C., U. S. Army. Trolley-head. No. 1,055,140; Mar. 4; Gaz. vol. 188; p. 164.
- Cotton, Walter H., assignor of fifty-one one-hundredths to W. Lytton, Chicago, Ill. Spark-coil. No. 1,059,120; Apr. 15; Gaz. vol. 189; p. 677.
- Cottrell, Edgar H., Stonington, Conn., assignor to C. B. Cottrell & Sons Company, New York, N. Y. Cutting and folding machine. No. 1,067,470; July 15; Gaz. vol. 192; p. 605.
- Cottrell, Edgar H., assignor to C. B. Cottrell & Sons Company, New York, N. Y. Cutting and folding machine. No. 1,067,471; July 15; Gaz. vol. 192; p. 606.
- Cottrell, Edgar H., assignor to C. B. Cottrell & Sons Company, New York, N. Y. Printing-machine. No. 1,072,702; Sept. 9; Gaz. vol. 194; p. 382.
- Cottrell, Edgar H., assignor to C. B. Cottrell & Sons Company, New York, N. Y. Printing-machine. No. 1,072,703; Sept. 9; Gaz. vol. 194; p. 382.
- Cottrell, Frederick G., Berkeley, assignor to International Precipitation Company, Los Angeles, Cal. Filtering medium and making same. No. 1,060,065; Apr. 29; Gaz. vol. 189; p. 1072.
- Cottrell, Frederick G., Berkeley, assignor to International Precipitation Company, Los Angeles, Cal. Discharge of electricity into gases. No. 1,067,974; July 22; Gaz. vol. 192; p. 810.
- Cottrell, Henry W. (See Rountree, Henry W., assignor.)
- Cottrell, Irving M., West Somerville, and G. Bimber, East Boston, Mass. Silencer for exhaust-pipes. No. 1,059,279; Apr. 15; Gaz. vol. 189; p. 731.
- Couch, Buel, *et al.* (See Kneeder, John D., assignor.)
- Couch-Dean Corporation, The. (See Couch, Elbert L., assignor.)
- Couch, Elbert L., assignor to The Couch-Dean Corporation, Incorporated, Hartford, Conn. Apparatus for cleaning articles. No. 1,068,568; July 29; Gaz. vol. 192; p. 1052.
- Couch, Harlo C., and H. J. Pierson, Lititz, Pa. Attachment for paper-making machines. No. 1,052,463; Feb. 11; Gaz. vol. 187; p. 245.
- Couch, Marvin L., Avinger, Tex. Extension-bed. No. 1,069,320; Aug. 5; Gaz. vol. 193; p. 80.
- Couch, Royden O., Charleston, assignor of one-third to C. A. Cabell, Carbon, and one-third to G. A. Willey, Charleston, W. Va. Loading-machine. No. 1,057,122; Mar. 25; Gaz. vol. 188; p. 938.
- Couesnon, Amédée, Paris, France. Horn for motor-cars and other vehicles. No. 1,056,265; Mar. 18; Gaz. vol. 188; p. 613.
- Coughlan, Jeremiah H., Boston, Mass. Portable refrigerator. No. 1,059,840; Apr. 22; Gaz. vol. 189; p. 954.
- Coullery, Henri, La Chaux de Fonds, Switzerland. Measuring instrument. No. 1,053,281; Feb. 18; Gaz. vol. 187; p. 568.
- Coullery, Henri, La Chaux-de-Fonds, Switzerland. Metronome. No. 1,058,659; Apr. 8; Gaz. vol. 189; p. 477.
- Coulombe, Ignace, Fall River, Mass. Brake-belt link. No. 1,062,442; May 20; Gaz. vol. 190; p. 714.
- Coulombe, Ignace, Fall River, Mass. Let-off motion for looms. No. 1,062,443; May 20; Gaz. vol. 190; p. 714.
- Coulon, Emery, Blaton, assignor to Societe Anonyme Supertextile, Antwerp, Belgium. Machine for removing wood from ramie-stalks in the green state. No. 1,054,752; Mar. 4; Gaz. vol. 188; p. 34.
- Coulon, Emery, Blaton, assignor to Societe Anonyme Supertextile, Antwerp, Belgium. Machine for removing the wood from ramie-stalks in the dry state. No. 1,054,753; Mar. 4; Gaz. vol. 188; p. 34.
- Couls, George R., Seattle, Wash. Bottle. No. 1,053,905; Feb. 18; Gaz. vol. 187; p. 780.
- Coulson, Harry G. (See Votaw and Coulson.)
- Coulson, William T., Penge, England. Lens. No. 1,081,215; Dec. 9; Gaz. vol. 197; p. 476.
- Coulston, Harry. (See Schwartz and Coulston.)
- Coultas, Thomas and T. I., Pittsburgh, Pa. Blast-furnace stove. No. 1,057,940; Apr. 1; Gaz. vol. 189; p. 186.
- Coultas, Thomas I. (See Coultas, Thomas and T. I.)
- Coulter, Howard M., Rifle, Colo. Rail-joint. No. 1,054,280; Feb. 25; Gaz. vol. 187; p. 945.
- Coulter, Howard M., Rifle, Colo. Railway-track structure. No. 1,076,748; Oct. 28; Gaz. vol. 195; p. 855.
- Coulter, John H. (See Hiett, De Kerna J. T., assignor.)
- Coulter, Oakland F., Rochester, Pa. Combination step-ladder and ironing-table. No. 1,062,890; May 27; Gaz. vol. 190; p. 904.
- Coulter, William G., Blackburn, Okla. Railway-tie. No. 1,069,532; Aug. 5; Gaz. vol. 193; p. 154.
- Coulthurst, John F., Owensboro, Ky. Tool-maker's micrometer adjusting feeler-gage. No. 1,068,983; July 29; Gaz. vol. 192; p. 1197.
- Countryman, George W., Birmingham, Iowa. Form for concrete culverts. No. 1,074,492; Sept. 30; Gaz. vol. 194; p. 1086.
- Counts, Lawson C. (See Anderson, Young R., assignor.)
- Counts, W. L. (See Long, Edward C., assignor.)
- Coup, John, Marion, Ohio. Non-corrosive metallic alloy. No. 1,069,113; Aug. 5; Gaz. vol. 193; p. 8.
- Coupe, Thomas E., Toronto, Ontario, Canada. Composition of matter for the treating of molding-sand. No. 1,064,713; June 17; Gaz. vol. 191; p. 598.
- Couplin, Levi S., South Greenfield, Mo. Fly-screen. No. 1,060,743; May 6; Gaz. vol. 190; p. 62.
- Courant, Curt, Brooklyn, N. Y. Pencil-sharpener. No. 1,055,711; Mar. 11; Gaz. vol. 188; p. 390.
- Courlander, Louis, Croydon, England. Construction of eyeglasses, spectacles, and the like. No. 1,079,932; Dec. 2; Gaz. vol. 197; p. 4.
- Courser, Fred M., Rochester, N. Y. Device for cleaning and truing emery-wheels, &c. No. 1,078,258; Nov. 11; Gaz. vol. 196; p. 380.
- Courson, Charles L., Pitcairn, Pa. Air-hose coupling and uncoupling tool. No. 1,056,506; Mar. 18; Gaz. vol. 188; p. 696.
- Courson, Cornelius F., Memphis, Tenn. Latch device for windows, &c. No. 1,071,509; Aug. 26; Gaz. vol. 193; p. 926.
- Courson, Cornelius F., assignor of one-half to P. Lenzi, Memphis, Tenn. Window-screen hanger. No. 1,059,713; Apr. 22; Gaz. vol. 189; p. 913.
- Courson, James L., Barborton, Ohio. Photographer's flash-light. No. 1,063,778; June 3; Gaz. vol. 191; p. 210.
- Courson, James L., Barborton, Ohio. Flash-machine. No. 1,080,750; Dec. 9; Gaz. vol. 197; p. 321.
- Courson, John F., Pitcairn, Pa. Friction draft-gear. No. 1,067,587; July 15; Gaz. vol. 192; p. 645.
- Courson, John F., Pitcairn, Pa. Draft-gear. No. 1,070,229; Aug. 12; Gaz. vol. 193; p. 422.
- Courson, John F., Pitcairn, Pa. Draft-gear. No. 1,071,399; Aug. 26; Gaz. vol. 193; p. 891.
- Courson, John F., Pitcairn, Pa. Draft-gear. No. 1,076,749; Oct. 28; Gaz. vol. 195; p. 856.
- Court, Frederic V., *et al.* (See Venners, James H., assignor.)
- Court, Walter W., *et al.* (See Venners, James H., assignor.)
- Courtenay, Charles R., Watertown, N. Y. Internal-combustion engine. No. 1,068,414; July 29; Gaz. vol. 192; p. 1000.
- Courtney, George J., Richmond Hill, N. Y., assignor to Sanger Nozzle Co., Inc. Coupling. No. 1,063,418; June 3; Gaz. vol. 191; p. 84.
- Courtney, Gilbert Y., Holland, Mich. Tool-holding mechanism. No. 1,083,193; Dec. 30; Gaz. vol. 197; p. 1242.
- Courtney, John, Forbes Road, Pa. Miner's acetylene-lamp. No. 1,063,419; June 3; Gaz. vol. 191; p. 84.

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- Courtney, John N., Detroit, Mich. Mothproof receptacle. No. 1,064,446; June 10; Gaz. vol. 191; p. 473.
- Courtney, Thomas, *et al.* (See Osborn, Homer A., assignor.)
- Courtright, Otho C., and A. D. Mika, Fort Madison, Iowa; said Mika assignor to said Courtright. Photo printing-machine. No. 1,051,691; Jan. 28; Gaz. vol. 186; p. 910.
- Courvoisier, Alfred, Jr., Chicago, Ill. Brooch-pin. No. 1,049,457; Jan. 7; Gaz. vol. 186; p. 48.
- Cousin, Arthur S., Rosebank, N. Y. Hose-clamp. No. 1,070,418; Aug. 19; Gaz. vol. 193; p. 529.
- Cousin, Paul A. J., Nord, France. Gas-furnace. No. 1,072,578; Sept. 9; Gaz. vol. 194; p. 340.
- Cousins, Harry, and J. W. Botsford, Cardiff, England. Paper punch or perforator. No. 1,049,676; Jan. 7; Gaz. vol. 186; p. 122.
- Cousins, Robert W. (See Brassert and Cousins.)
- Cousot, Achille, Geneva, Switzerland. Tool-holder. No. 1,080,422; Dec. 2; Gaz. vol. 197; p. 178.
- Coutant, Raoul, Champeaux, and E. J. J. Salmson, Paris, France. Machine for consolidating the road metal in the construction and maintenance of metalled roadways. No. 1,070,326; Aug. 12; Gaz. vol. 193; p. 455.
- Coutelle, Carl. (See Hofmann and Coutelle.)
- Coutelle, Carl. (See Hofmann, Coutelle, and Tank.)
- Coutelle, Carl. (See Hofmann, Coutelle, Delbrück, and Meisenburg.)
- Coutelle, Carl, assignor to Farbenfabriken vorm. Friedr. Bayer & Co., Elberfeld, Germany. Producing caoutchouc-like substances. No. 1,073,845; Sept. 23; Gaz. vol. 194; p. 841.
- Couter, George L., Cumberland, Md. Spark-plug. No. 1,081,660; Dec. 16; Gaz. vol. 197; p. 661.
- Coutu, George J., Lowell, Mass. Fire-extinguishing apparatus. No. 1,074,165; Sept. 30; Gaz. vol. 194; p. 978.
- Couturier, Ernst A., Chicago, Ill. Cornet. No. 1,073,593; Sept. 23; Gaz. vol. 194; p. 754.
- Coventry Ordnance Works, The. (See Bacon and Redpath, assignors.)
- Coventry, Walter, Pendleton, Salford, England. Burner for incandescent gas-lighting. No. 1,070,875; Aug. 19; Gaz. vol. 193; p. 681.
- Covert, C. M., *et al.* (See Patrick, James H., assignor.)
- Covert, Fred W., assignor to Covert Manufacturing Company, Watervliet, N. Y. Coupling member for chains. No. 1,060,744; May 6; Gaz. vol. 190; p. 62.
- Covert Manufacturing Company. (See Baxter, John B., assignor.)
- Covert Manufacturing Company. (See Covert, Fred W., assignor.)
- Covert, Stanley S., Montclair, N. J. Chimney-flue reverser. No. 1,074,252; Sept. 30; Gaz. vol. 194; p. 1007.
- Covey, Frank E., Oakland, assignor of one-half to C. W. Yolland, Berkeley, Cal. Car-trolley. No. 1,082,799; Dec. 30; Gaz. vol. 197; p. 1116.
- Covey, Thomas H., Cleburne, Tex. Obtaining oil and stock food from cotton-seed. No. 1,067,975; July 22; Gaz. vol. 192; p. 810.
- Covington, Capres M., Harrison, Ark. Fishing-line-drying reel. No. 1,081,435; Dec. 16; Gaz. vol. 197; p. 589.
- Covington Machine Company. (See Huhn, John H., assignor.)
- Covington Machine Company. (See Huhn, Abraham, and Ham, assignors.)
- Covington Machine Company. (See Sangster, William, assignor.)
- Cowan, Charles E. (See Chapman and Cowan.)
- Cowan, Harry R., Chicago, Ill. Calculating and printing machine. No. 1,077,220; Oct. 28; Gaz. vol. 195; p. 1014.
- Cowan, John W., Crete, Nebr. Separable suspension-hinge. No. 1,054,907; Mar. 4; Gaz. vol. 188; p. 87.
- Cowan, Joseph P., Pittsburgh, Pa. Water-closet. No. 1,077,221; Oct. 28; Gaz. vol. 195; p. 1014.
- Cowan, Kitt, Fort Worth, Tex. Odorless sanitary dry closet. No. 1,065,662; June 24; Gaz. vol. 191; p. 952.
- Cowan, Samuel M., New York, N. Y., and E. W. Barnum, Danbury, Conn. Spring-mounted vehicle-wheel. No. 1,067,800; July 22; Gaz. vol. 192; p. 751.
- Cowart, Lively, assignor of one-half to F. M. Carter, Picnic, Fla. Rotary harrow. No. 1,051,199; Jan. 21; Gaz. vol. 186; p. 711.
- Cowart, Stephen A., Midlothian, Tex. Wagon-standard. No. 1,061,224; May 6; Gaz. vol. 190; p. 226.
- Cowart, William G., Nocatee, Fla. Plant-protector. No. 1,051,692; Jan. 28; Gaz. vol. 186; p. 911.
- Cowart, William G., Nocatee, Fla. Plant-protector. No. 1,051,693; Jan. 28; Gaz. vol. 186; p. 911.
- Cowden, Albert D., Waterford, Cal. Schedule for trains, ticket-rates, and time-tables. No. 1,065,591; June 24; Gaz. vol. 191; p. 928.
- Cowdery, Arthur B., Boston, Mass., assignor to Barrett Manufacturing Company, New York, N. Y. Pavement and making same. No. 1,058,848; Apr. 15; Gaz. vol. 189; p. 582.
- Cowdrey, Charles F., *et al.* (See Farnum, William C., assignor.)
- Cowdrey, Henry E., *et al.* (See Farnum, William C., assignor.)
- Cowell, Frederick E., Copper City, British Columbia, Canada. Saw-set. No. 1,055,712; Mar. 11; Gaz. vol. 188; p. 391.
- Cowell, William H., Columbus, Ohio. Draw-bar equipment. No. 1,061,049; May 6; Gaz. vol. 190; p. 171.
- Cowen, Harry. (See Wolf and Cowen.)
- Cowen, Joshua L., New York, N. Y. Toy construction. No. 1,065,344; June 24; Gaz. vol. 191; p. 842.
- Cowen, Max, New York, N. Y. Riding-habit. No. 1,059,527; Apr. 22; Gaz. vol. 189; p. 853.
- Cowen, Max, New York, N. Y. Combined breeches and leggings. No. 1,082,737; Dec. 30; Gaz. vol. 197; p. 1094.
- Cowherd, Douglas H., Louisville, Ky. Smoke-consumer. No. 1,079,692; Nov. 25; Gaz. vol. 196; p. 937.
- Cowing, Helen H., Cleveland, Ohio. School-register. No. 1,050,001; Jan. 7; Gaz. vol. 186; p. 230.
- Cowing, Percy F., New York, N. Y. Means for the study of musical compositions. No. 1,068,569; July 29; Gaz. vol. 192; p. 1052.
- Cowles, Alfred H., assignor to The Electric Smelting and Aluminum Company, Sewaren, N. J. Process of and apparatus for feeding cars into and through tunnel-furnaces. No. 1,073,219; Sept. 16; Gaz. vol. 194; p. 603.
- Cowles, Edward P., Sparta, Mich. Electric igniting device for explosive-engines. No. 1,050,002; Jan. 7; Gaz. vol. 186; p. 231.
- Cowles, Edward P., Warren, Ohio. Variable-speed friction-gearing. No. 1,067,408; July 15; Gaz. vol. 192; p. 585.
- Cowles, Edward P., Warren, Ohio, assignor, by mesne assignments, to Packard Motor Car Company, Detroit, Mich. Motor-vehicle. No. 1,050,810; Jan. 21; Gaz. vol. 186; p. 576.
- Cowles, Harry S., Chicago, Ill. Game apparatus. No. 1,054,341; Feb. 25; Gaz. vol. 187; p. 966.
- Cowles, Irving, Chicago, Ill. Automatic valve-actuating means. No. 1,069,604; Aug. 5; Gaz. vol. 193; p. 177.
- Cowles, John T., Chicago, Ill. Bedclothes-holder. No. 1,051,560; Jan. 28; Gaz. vol. 186; p. 868.
- Cowles, William B., Cleveland, Ohio. Internal-combustion engine. No. 1,053,013; Feb. 11; Gaz. vol. 187; p. 430.
- Cowles, William P., assignor of one-half to S. F. Evans, Minneapolis, Minn. Reinforced-concrete building. No. 1,078,575; Nov. 11; Gaz. vol. 196; p. 489.
- Cowper-Coles, Sherard O., Westminster, London, England. Protecting iron surfaces from corrosion. No. 1,072,091; Sept. 2; Gaz. vol. 194; p. 144.
- Cox, Abraham B. (See Church and Cox.)
- Cox, Anna H., administratrix. (See Cox, Joseph N.)
- Cox, Charles C., Pulaski, Va. Automatic vehicle-brake. No. 1,082,410; Dec. 23; Gaz. vol. 197; p. 947.
- Cox, Clarence C., Vigo, Ohio. Automatic marker. No. 1,068,326; July 22; Gaz. vol. 192; p. 932.
- Cox, Clarence L., Cleveland, Ohio. Non-refillable receptacle. No. 1,065,224; June 17; Gaz. vol. 191; p. 763.
- Cox, David H., Roselle, N. J. Automobile marker-bracket. No. 1,074,838; Oct. 7; Gaz. vol. 195; p. 84.
- Cox, Edgar, *et al.* (See Stamm, Charles H., assignor.)
- Cox, Edward, Rugby, England, assignor to General Electric Company. Governing mechanism for prime movers. No. 1,076,101; Oct. 21; Gaz. vol. 195; p. 575.
- Cox, Edwin A., Newark, N. J. Apparatus for separating, feeding, and delivering sheets. No. 1,075,697; Oct. 14; Gaz. vol. 195; p. 409.
- Cox, Edwin A., Irvington, N. J., assignor to The Rotospeed Company, Dayton, Ohio. Stencil sheet. No. 1,066,585; July 8; Gaz. vol. 192; p. 267.
- Cox, Edwin A., Syracuse, N. Y., assignor to The Rotospeed Company, Dayton, Ohio. Stencil-printing machine. No. 1,070,419; Aug. 19; Gaz. vol. 193; p. 529.
- Cox, Edwin R., Jr. (See Lyon and Cox.)
- Cox, Eli R., Ladonia, Tex. Demountable rim. No. 1,051,694; Jan. 28; Gaz. vol. 186; p. 911.
- Cox, Emmett T., McKenney, Va. Corn-harvester. No. 1,067,644; July 15; Gaz. vol. 192; p. 666.
- Cox, Frank J., Dodge City, Kans. Sanitary holder for barbers' checks and accessories. No. 1,077,809; Nov. 4; Gaz. vol. 196; p. 194.
- Cox, Frederick J., London, England, assignor, by mesne assignments, to Airgas Syndicate Incorporated, New York, N. Y. Air-gas apparatus. No. 1,082,070; Dec. 23; Gaz. vol. 197; p. 830.
- Cox, George E., *et al.*, administrators. (See Spurge, Edward C.)
- Cox, Harry L. (See Witt, William E., assignor.)
- Cox, Henry J., Elizabeth, N. J., assignor to The Singer Manufacturing Company. Sewing-machine. No. 1,062,696; May 27; Gaz. vol. 190; p. 840.
- Cox, James B., Chicago, Ill. Smoke-jack. No. 1,070,420; Aug. 19; Gaz. vol. 193; p. 529.
- Cox, James J., Oskaloosa, Iowa. Oil-can and funnel. No. 1,074,697; Oct. 7; Gaz. vol. 195; p. 39.
- Cox, James W. (See Miller and Cox.)
- Cox, John H., Hot Springs, Ark. Metallic railway-tie. No. 1,062,891; May 27; Gaz. vol. 190; p. 905.
- Cox, John H., Hot Springs, Ark. Metallic rail-tie. No. 1,067,588; July 15; Gaz. vol. 192; p. 646.

Alphabetical list of patentees—Continued.

- Cox, Joseph N., deceased, Toledo, Ohio; A. H. Cox, administrator. Life-boat release. No. 1,057,039; Mar. 25; Gaz. vol. 188; p. 910.
- Cox, Millard F., Louisville, Ky. Self-adjusting stay-bolt. No. 1,072,315; Sept. 2; Gaz. vol. 194; p. 217.
- Cox Multi-Mailer Company. (See Cox, Sanford C., assignor.)
- Cox, Oscar M., Plainview, Tex. Traction-engine. No. 1,061,453; May 13; Gaz. vol. 190; p. 340.
- Cox, Paul F., assignor to The Goss Printing Press Company, Chicago, Ill. Printing-press. No. 1,052,712; Feb. 11; Gaz. vol. 187; p. 327.
- Cox, Paul F., assignor to The Goss Printing Press Company, Chicago, Ill. Chases. No. 1,072,092; Sept. 2; Gaz. vol. 194; p. 144.
- Cox, Ray, Bentonport, Iowa. Cylinder-tooth. No. 1,052,041; Feb. 4; Gaz. vol. 187; p. 68.
- Cox, Samuel C., Washington, D. C. Indicator. No. 1,058,558; Apr. 8; Gaz. vol. 189; p. 444.
- Cox, Sanford C., Brookline, Mass., assignor to Cox Multi-Mailer Company, Augusta, Me. Slug or linotype distributor for addressing-machines. No. 1,054,393; Feb. 25; Gaz. vol. 187; p. 984.
- Cox, Sanford C., Brookline, Mass., assignor to Cox Multi-Mailer Company, Augusta, Me. Printing or addressing machine. No. 1,075,965; Oct. 14; Gaz. vol. 195; p. 500.
- Cox, Sanford C., Edison Park, Ill., assignor to Cox Multi-Mailer Company, Augusta, Me. Paper-feeder. No. 1,054,394; Feb. 25; Gaz. vol. 187; p. 985.
- Cox, Sanford C., Chicago, Ill., assignor, by mesne assignments, to Cox Multi-Mailer Company, Augusta, Me. Feeder for addressing-machines. No. 1,073,741; Sept. 23; Gaz. vol. 194; p. 808.
- Cox, Sanford C., Chicago, Ill., assignor to Cox Multi-Mailer Company, Augusta, Me. Type or slug feed for printing or addressing machines. No. 1,075,966; Oct. 14; Gaz. vol. 195; p. 501.
- Cox, Stacy, Upton, Wyo. Lamp-burner. No. 1,056,886; Mar. 25; Gaz. vol. 188; p. 856.
- Cox, Stephen J., Cranford, N. J., assignor to L. Mann, Brooklyn, N. Y. Rack for umbrellas and other articles. No. 1,050,519; Jan. 14; Gaz. vol. 186; p. 444.
- Cox, William E. (See Rankin and Cox.)
- Cox, William N., *et al.* (See Attridge, Oliver H., assignor.)
- Coy, Frederick W., Boston, assignor to C. F. Brown, trustee, Reading, Mass. Adjustable seat. No. 1,052,042; Feb. 4; Gaz. vol. 187; p. 69.
- Coy, Willis, Council Bluffs, Iowa. Packing. No. 1,067,000; July 8; Gaz. vol. 192; p. 409.
- Coykendall, Thomas C., Kingston, N. Y. Electromagnetic receiver. No. 1,069,922; Aug. 12; Gaz. vol. 193; p. 317.
- Coyle, Alfred R., Jr., Trafford, Pa. Hair-cutting apparatus. No. 1,064,053; June 10; Gaz. vol. 191; p. 337.
- Coyle, Andrew M. (See Gurney and Coyle.)
- Coyle, Walter. (See Milley, Benjamin, assignor.)
- Coyne, Alfred F., assignor of one-half to J. A. Gemmill, Menard, Ill. Mechanical movement. No. 1,060,429; Apr. 29; Gaz. vol. 189; p. 1201.
- Coyne, William, assignor of one-half to De Clark Brothers, Kewanee, Ill. Pump. No. 1,081,020; Dec. 9; Gaz. vol. 197; p. 412.
- Cozart, Wallace A., Caps, Tex. Maize, Kafir-corn, and cane heading machine. No. 1,065,296; June 17; Gaz. vol. 191; p. 788.
- Cozzolino, Donato, San Diego, Cal. Evaporating apparatus. No. 1,069,394; Aug. 5; Gaz. vol. 193; p. 107.
- Cozzolino, Donato, San Diego, Cal. Evaporating apparatus. No. 1,082,411; Dec. 23; Gaz. vol. 197; p. 947.
- Crabb, Charles L., Millington, N. J., assignor to Topping Brothers, New York, N. Y. Lifting-jack. No. 1,071,213; Aug. 26; Gaz. vol. 193; p. 829.
- Crabb, Hugh A., Streatham, assignor of one-third to C. H. Hutchinson and one-third to A. H. F. Perl, Theobald's Road, county of London, England. Cue for billiards, bagatelle, and the like. No. 1,054,830; Mar. 4; Gaz. vol. 188; p. 62.
- Crabb, Robert, Newark, N. J., assignor to William Crabb & Company. Needle or pin point grinding machine. No. 1,060,322; Apr. 29; Gaz. vol. 189; p. 1162.
- Crabbs, David H. (See Flint, McDonald, and Crabbs.)
- Crabill, John W., Plattsmouth, Nebr. Sharpening device. No. 1,052,130; Feb. 4; Gaz. vol. 187; p. 99.
- Cracraft, John W. (See Piper, Herbert H., assignor.)
- Cracraft-Leich Electric Company. (See Leich, Oscar M., assignor.)
- Cracraft-Leich Electric Company. (See Pedersen, Niels, assignor.)
- Cracraft, Leich Electric Company. (See Reid, Alexander C., assignor.)
- Cracraft, Chester O., Sewaren, N. J. Water-cycle. No. 1,071,709; Sept. 2; Gaz. vol. 194; p. 13.
- Craft, Edward B. (See Scribner, McQuarrie, and Craft.)
- Craft, Edward B., Hackensack, N. J., assignor to Western Electric Company, New York, N. Y. Key shelf and base. No. 1,050,520; Jan. 14; Gaz. vol. 186; p. 445.
- Craft, Edward B., Hackensack, N. J., assignor to Western Electric Company, New York, N. Y. Automatic vibrating circuit-breaker. No. 1,071,142; Aug. 26; Gaz. vol. 193; p. 804.
- Craft, Edward B., Hackensack, N. J., assignor to Western Electric Company, New York, N. Y. Crank-arm. No. 1,079,472; Nov. 25; Gaz. vol. 196; p. 861.
- Craft, Edward B., Hackensack, N. J., and J. N. Reynolds, Greenwich, Conn., assignors to Western Electric Company, New York, N. Y. Telephone-receiver. No. 1,062,082; May 20; Gaz. vol. 190; p. 594.
- Craft, Edward B., and A. F. Dixon, New York, N. Y., assignors to Western Electric Company, Chicago, Ill. Selector mechanism. No. 1,081,368; Dec. 16; Gaz. vol. 197; p. 567.
- Craft, Frederick M., Cranford, and G. H. Davis, West Orange, N. J. Tempo-marking device for music-rolls. No. 1,059,040; Apr. 15; Gaz. vol. 189; p. 650.
- Crafts, Walter N., Oberlin, Ohio. Electric furnace. No. 1,069,923; Aug. 12; Gaz. vol. 193; p. 318.
- Crafts, Walter N., Oberlin, Ohio. Electric furnace. No. 1,069,924; Aug. 12; Gaz. vol. 193; p. 318.
- Crafts, Walter N., Oberlin, Ohio. Electric furnace. No. 1,070,017; Aug. 12; Gaz. vol. 193; p. 349.
- Craggs, Ross V., Gainsborough, England, assignor to R. H. Wright, Durham, N. C. Feed-regulator. No. 1,054,509; Feb. 25; Gaz. vol. 187; p. 1024.
- Craggs, Ross V., Gainsborough, England, assignor to R. H. Wright, Durham, N. C. Apparatus for filling and packing materials into receptacles. No. 1,077,810; Nov. 4; Gaz. vol. 196; p. 195.
- Crago, Felix H., Trident, Mont. Current-motor. No. 1,076,102; Oct. 21; Gaz. vol. 195; p. 576.
- Craig, Alfred O., assignor of one-half to E. Levy, Seattle, Wash. Electric-lamp positioning and removing device. No. 1,067,899; July 22; Gaz. vol. 192; p. 784.
- Craig, Andrew B., Tarkio, Mo. Cooling device for pneumatic tires. No. 1,049,677; Jan. 7; Gaz. vol. 186; p. 122.
- Craig, Andrew B., Tarkio, Mo. Cooling device for pneumatic tires. No. 1,049,678; Jan. 7; Gaz. vol. 186; p. 123.
- Craig, Arthur D., Lamar, Mo. Lantern. No. 1,061,454; May 13; Gaz. vol. 190; p. 341.
- Craig, Birchard L., Cincinnati, Ohio. Vehicle-body. No. 1,055,713; Mar. 11; Gaz. vol. 188; p. 391.
- Craig, Birchard L., Cincinnati, Ohio. Vehicle-body. No. 1,055,714; Mar. 11; Gaz. vol. 188; p. 391.
- Craig, Charles V., Los Angeles, Cal. Flume construction. No. 1,078,835; Nov. 18; Gaz. vol. 196; p. 614.
- Craig, Charley J., Lathrop, Mo. Resilient wheel. No. 1,055,447; Mar. 11; Gaz. vol. 188; p. 304.
- Craig, Clarence H., and H. A. Reiber, Boulder, Colo. Mechanical movement. No. 1,057,710; Apr. 1; Gaz. vol. 189; p. 107.
- Craig, Frederick G., Jr., Highland Park, Mich. Fuse-plug. No. 1,067,866; July 22; Gaz. vol. 192; p. 774.
- Craig, Fredrick, Knightstown, Ind. Heating apparatus. No. 1,081,891; Dec. 16; Gaz. vol. 197; p. 740.
- Craig, Harry L., assignor of one-half to W. P. Corbett, Middletown, N. Y. Signal device for railways. No. 1,081,892; Dec. 16; Gaz. vol. 197; p. 740.
- Craig, James A., Toronto, Ontario, Canada, assignor of one-half to J. M. Wogan, New Orleans, La. Feed-mixer. No. 1,061,987; May 20; Gaz. vol. 190; p. 561.
- Craig, Lee D., San Francisco, Cal., assignor to National Trenching Machine Company, Washington, D. C. Road-cutter or the like. No. 1,050,003; Jan. 7; Gaz. vol. 186; p. 231.
- Craig, Ras, Los Angeles, Cal. Well-drilling tool. No. 1,064,618; June 10; Gaz. vol. 191; p. 530.
- Craig, Robert B. (See Coffman and Craig.)
- Craig, Robert B., Kansas City, Mo. Multiple machine-tool holder. No. 1,061,822; May 13; Gaz. vol. 190; p. 464.
- Craig, Robert B., and A. Coffman, Dayton, assignors to The Automatic Vending Machines Co., Cleveland, Ohio. Automatic vending-machine. No. 1,055,614; Mar. 11; Gaz. vol. 188; p. 357.
- Craig, Robert B., and A. L. Coffman, Kansas City, Mo., assignors to The Automatic Scale Vending Company, Santa Fe, N. Mex. Automatic vending-machine. No. 1,065,029; June 17; Gaz. vol. 191; p. 700.
- Craig, Sam A., El Paso, Tex. Gate. No. 1,078,130; Nov. 11; Gaz. vol. 196; p. 336.
- Craig, Samuel, Decatur, Ill. Lifting-jack. No. 1,082,412; Dec. 23; Gaz. vol. 197; p. 948.
- Craig, St. George, Clarksville, Tenn. Bed-table. No. 1,066,187; July 1; Gaz. vol. 192; p. 101.
- Craig, William M., Healdsburg, Cal. Collapsible umbrella. No. 1,050,346; Jan. 14; Gaz. vol. 186; p. 383.
- Craighead, James R., Schenectady, N. Y., assignor to General Electric Company. Power-factor indicator. No. 1,064,131; June 10; Gaz. vol. 191; p. 364.
- Crain, Alonzo W., Petroleum, Ind. Guard for tires. No. 1,067,239; July 15; Gaz. vol. 192; p. 527.
- Crain, John J., Quincy, Mass. Shaft-revolution-indicator system. No. 1,068,111; July 22; Gaz. vol. 192; p. 855.
- Crain, Lester A., Webster, S. D. Trap. No. 1,052,320; Feb. 4; Gaz. vol. 187; p. 162.
- Crain, Rudolf E., Oberursel-am-Taunus, assignor to Moen Machine Company, Frankfurt-on-the-Main, Germany. Pincers for pulling-over and lasting machines. No. 1,058,155; Apr. 8; Gaz. vol. 189; p. 305.

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- Cram, Charles R., New York, N. Y. Overshoe for horses. No. 1,068,415; July 29; Gaz. vol. 192; p. 1001.
- Cram, Harry O., assignor to The Bridgeport Motor Co., Inc., Bridgeport, Conn. Ignition device for internal combustion engines. No. 1,060,231; Apr. 29; Gaz. vol. 189; p. 1129.
- Cramer, Alfred L., Colby, Wis. Attachment for cattle-stanchions. No. 1,079,166; Nov. 18; Gaz. vol. 196; p. 728.
- Cramer, Charles W., Scranton, Pa. Antiskidding device for vehicles. No. 1,071,031; Aug. 26; Gaz. vol. 193; p. 766.
- Cramer, Charles W., Scranton, Pa. Vehicle-wheel. No. 1,071,032; Aug. 26; Gaz. vol. 193; p. 767.
- Cramer, Charles W., Scranton, Pa. Antiskidding device for vehicle-tires. No. 1,072,579; Sept. 9; Gaz. vol. 194; p. 340.
- Cramer, Eduard, Berlin, Germany. Treatment of fusible ceramic bodies for indicating temperature in furnaces. No. 1,063,012; May 27; Gaz. vol. 190; p. 944.
- Cramer, Fred J., Chicago, Ill. Washing-machine. No. 1,052,131; Feb. 4; Gaz. vol. 187; p. 99.
- Cramer, John N. P., et al. (See Rosedale, Adolph, assignor.)
- Cramer, Joseph C., Roseburg, Ore. Grinding-machine. No. 1,051,695; Jan. 28; Gaz. vol. 186; p. 911.
- Cramer, Joseph C., Roseburg, Ore. Grain-cleaning machine. No. 1,080,423; Dec. 2; Gaz. vol. 197; p. 179.
- Cramer, Paul, Berck-Plage, France. Air and gas regulator. No. 1,050,617; Jan. 14; Gaz. vol. 186; p. 478.
- Cramer, Stuart W., Charlotte, N. C. Air-conditioning apparatus. No. 1,073,095; Sept. 16; Gaz. vol. 194; p. 559.
- Cramer, Stuart W., Charlotte, N. C. Air-conditioning apparatus. No. 1,073,096; Sept. 16; Gaz. vol. 194; p. 559.
- Cramer, Stuart W., Charlotte, N. C. Air-conditioning apparatus. No. 1,073,475; Sept. 16; Gaz. vol. 194; p. 693.
- Cramer, Stuart W., and W. B. Hodge, Charlotte, N. C.; said Hodge assignor to said Cramer. Air-conditioning apparatus. No. 1,075,197; Oct. 7; Gaz. vol. 195; p. 210.
- Cramp, George B., Harrisburg, Pa. Mechanical stoker. No. 1,066,254; July 1; Gaz. vol. 192; p. 125.
- Crampton, Max H., New York, N. Y. Passenger-counting device. No. 1,064,619; June 10; Gaz. vol. 191; p. 530.
- Crandall, Jay E., Cherry Valley, Ill. Grinding-machine. No. 1,073,097; Sept. 16; Gaz. vol. 194; p. 560.
- Crandall, Max E., Fairfax, Okla. Wrench. No. 1,061,662; May 13; Gaz. vol. 190; p. 414.
- Crandall, Thomas W., et al. (See Matthew, Amos H., assignor.)
- Crandall, William M., Stilwell, Kans. Safety appliance for air-brake mechanisms. No. 1,078,663; Nov. 18; Gaz. vol. 196; p. 551.
- Crandell, Henry A., Harrison, Ark. Wire-stretching device. No. 1,050,429; Jan. 14; Gaz. vol. 186; p. 412.
- Crane, Augustus W., Kalamazoo, Mich. Automobile. No. 1,075,628; Oct. 14; Gaz. vol. 195; p. 386.
- Crane, Charles E., Seattle, Wash. Arc-lamp. No. 1,071,675; Aug. 26; Gaz. vol. 193; p. 981.
- Crane Company. (See Doolittle, William W., assignor.)
- Crane Company. (See Houser, Arthur M., assignor.)
- Crane Company. (See Manning, John H., assignor.)
- Crane, Edward F., Newark, N. J. Concrete tile. No. 1,061,455; May 13; Gaz. vol. 190; p. 341.
- Crane, Edward F., Newark, N. J. Floor construction. No. 1,077,394; Nov. 4; Gaz. vol. 196; p. 54.
- Crane Electric Specialty Company. (See Crane, Frank R., Jr., assignor.)
- Crane, Elmer E. (See Klugel, Oscar G., assignor.)
- Crane, Ernest M., assignor to The Pelton & Crane Co., Detroit, Mich. Dental appliance. No. 1,072,432; Sept. 9; Gaz. vol. 194; p. 288.
- Crane, Frank, Fort Collins, Colo., assignor of one-half to The Great Western Sugar Company. Tube cleaning and polishing apparatus. No. 1,056,403; Mar. 18; Gaz. vol. 188; p. 658.
- Crane, Frank S. (See Mooney, Frank H., assignor.)
- Crane, Frank R., Jr., Chicago, Ill., assignor to Crane Electric Specialty Company. Electric sign. No. 1,075,767; Oct. 14; Gaz. vol. 195; p. 433.
- Crane, Frank R., Jr., assignor of one-third to H. Jampolis and one-third to G. N. Nelson, Chicago, Ill. Arc-lamp electrode. No. 1,075,768; Oct. 14; Gaz. vol. 195; p. 433.
- Crane, James E., Middlebury, Vt. Comb-honey-shipping case. No. 1,053,576; Feb. 18; Gaz. vol. 187; p. 670.
- Crane, Judd B., Ellensburg, Wash. Safety door-hasps. No. 1,062,821; May 27; Gaz. vol. 190; p. 881.
- Crane Manufacturing Company. (See Perkins, Charles H., assignor.)
- Crane, Martin S., Hoboken, N. J. Sash. No. 1,082,308; Dec. 23; Gaz. vol. 197; p. 914.
- Crane, Peter B., Long Lake, Minn. Quack-grass and weed eradicator. No. 1,063,660; June 3; Gaz. vol. 191; p. 170.
- Crane, Samuel W., La Fayette, Ind. Account-register. No. 1,052,132; Feb. 4; Gaz. vol. 187; p. 100.
- Crane & Theurer. (See Toblissan, Tobias A., assignor.)
- Crankshaw, Alfred H., Lyndhurst, N. J., assignor to H. Bridgman Smith Company, Brooklyn, N. Y. Display-box. No. 1,053,711; Feb. 18; Gaz. vol. 187; p. 718.
- Cranwell, Benjamin F., Henderson, New Zealand. Apparatus for spraying fruit-trees and the like. No. 1,056,324; Mar. 18; Gaz. vol. 188; p. 632.
- Cranzler, Jacob, New York, N. Y. Hinge for suit-cases. No. 1,052,892; Feb. 11; Gaz. vol. 187; p. 390.
- Crapo, Henry T., New York, N. Y., assignor to G. R. Webb, Baltimore, Md. Motion-picture and voice-reproducing machine. No. 1,062,324; May 20; Gaz. vol. 190; p. 676.
- Crapo, Henry T., New York, N. Y., assignor, by mesne assignments, to The Webb Talking Pictures Company. Means for synchronizing talking-machines and moving-picture machines. No. 1,080,265; Dec. 2; Gaz. vol. 197; p. 122.
- Crater, Oriel E., Constantine, Mich. Razor-guard. No. 1,060,166; Apr. 29; Gaz. vol. 189; p. 1106.
- Cravath, James R., Chicago, Ill. Lantern. No. 1,081,580; Dec. 16; Gaz. vol. 197; p. 636.
- Craven, Andrew J., Spruce Pine, Ala. Hole-digging implement. No. 1,082,263; Dec. 23; Gaz. vol. 197; p. 897.
- Craven Engineering Company. (See Craven, James F., assignor.) (Reissue.)
- Craven, Francis S., U. S. Navy. Speed-indicator. No. 1,052,321; Feb. 4; Gaz. vol. 187; p. 162.
- Craven, James F., assignor to Craven Engineering Company, Pittsburgh, Pa. Wax package or candle. No. 1,053,577; Feb. 18; Gaz. vol. 187; p. 671.
- Craven, James F., assignor to Craven Engineering Company, Pittsburgh, Pa. Receptacle for containing and discharging semisolid and pasty substances. No. 1,053,712; Feb. 18; Gaz. vol. 187; p. 718.
- Craven, James F., assignor to Craven Engineering Company, Pittsburgh, Pa. Receptacle for containing and discharging semisolid and pasty substances. (Reissue.) No. 1,053,712; Apr. 22; Gaz. vol. 189; p. 997.
- Craven, James F., assignor to Craven Engineering Company, Pittsburgh, Pa. Receptacle with metal label. No. 1,077,259; Nov. 4; Gaz. vol. 196; p. 6.
- Craven, John P., Elizabeth, N. J. Miner's pick. No. 1,076,103; Oct. 21; Gaz. vol. 195; p. 576.
- Craven, Peter H., assignor to P. H. Craven Machinery Company, Spokane, Wash. Apparatus for concentrating ore. No. 1,060,323; Apr. 29; Gaz. vol. 189; p. 1163.
- Craven, Peter H., assignor to P. H. Craven Machinery Company, Spokane, Wash. Ore-concentrator belt. No. 1,060,536; Apr. 29; Gaz. vol. 189; p. 1237.
- Craven, Peter H., assignor to P. H. Craven Machinery Company, Spokane, Wash. Ore-concentrator belt. No. 1,083,058; Dec. 30; Gaz. vol. 197; p. 1202.
- Cravenette Co., U. S. A. (See Geer, Langdon, assignor.)
- Crawford, Andrew, assignor to T. Smith, Paterson, N. J. Tension device. No. 1,064,292; June 10; Gaz. vol. 191; p. 419.
- Crawford, Cary W. (See Kellogg, Ray E., assignor.)
- Crawford, Cary W., Los Angeles, Cal. Shock-absorber. No. 1,075,901; Oct. 14; Gaz. vol. 195; p. 477.
- Crawford, Cary W., assignor to Eureka Shock Absorber Company, Los Angeles, Cal. Shock-absorber. No. 1,060,537; Apr. 29; Gaz. vol. 189; p. 1237.
- Crawford, Daniel, Jr., Philadelphia, Pa. Metallic tie. No. 1,057,805; Apr. 1; Gaz. vol. 189; p. 140.
- Crawford, Daniel, Jr., Philadelphia, Pa. Metallic tie. No. 1,063,013; May 27; Gaz. vol. 190; p. 944.
- Crawford, Daniel, Jr., Philadelphia, Pa. Metallic tie. No. 1,063,014; May 27; Gaz. vol. 190; p. 944.
- Crawford, David F., Pittsburgh, Pa. Stoker. No. 1,050,054; Jan. 7; Gaz. vol. 186; p. 250.
- Crawford, David F., Pittsburgh, Pa. Multiple-control mechanism for steam-locomotives. No. 1,057,941; Apr. 1; Gaz. vol. 189; p. 186.
- Crawford, David F., Pittsburgh, Pa. Stoker mechanism. No. 1,063,420; June 3; Gaz. vol. 191; p. 85.
- Crawford, Edmund M., Schenectady, N. Y. Locomotive-bell. No. 1,078,335; Nov. 11; Gaz. vol. 196; p. 408.
- Crawford, Emanuel M. (See Evers, Henry F., assignor.)
- Crawford-Frost, William A., Baltimore, Md. Automobile-fender. No. 1,054,510; Feb. 25; Gaz. vol. 187; p. 1025.
- Crawford-Frost, William A., Baltimore, Md. Spring-wheel. No. 1,072,433; Sept. 9; Gaz. vol. 194; p. 289.
- Crawford, Guy H., New York, N. Y., assignor, by mesne assignments, to Neva-Slip Shirt Waist Grip Co., (Inc.) Waist-grip. No. 1,065,297; June 17; Gaz. vol. 191; p. 788.
- Crawford, Harry, Toledo, Ohio. Adjustable ventilator for windows. No. 1,070,421; Aug. 19; Gaz. vol. 193; p. 530.
- Crawford, Harry G. (See Griffin, Charles M., assignor.)
- Crawford, Harvey F., Brockton, Mass. Shoe and tread member thereof. No. 1,072,916; Sept. 9; Gaz. vol. 194; p. 460.
- Crawford, James B., Sioux City, Iowa, assignor of one-half to H. Houghton. Tire and rim for wheels. No. 1,081,812; Dec. 16; Gaz. vol. 197; p. 714.
- Crawford, James D., et al. (See McCall, Joseph W., assignor.)

Alphabetical list of patentees—Continued.

- Crawford, John, Rochester, N. Y. Vessel for dispensing liquids. No. 1,061,663; May 13; Gaz. vol. 190; p. 415.
- Crawford, John J. (See Allison and Crawford.)
- Crawford, Robert L., Franklin, Ind. Animal-trap. No. 1,054,177; Feb. 25; Gaz. vol. 187; p. 911.
- Crawford, Robert P., Allegheny, Pa. Burglar-alarm. No. 1,065,508; June 24; Gaz. vol. 191; p. 899.
- Crawford, William W., assignor of one-half to W. S. Howell, New York, N. Y. Electric measuring instrument. No. 1,066,084; July 1; Gaz. vol. 192; p. 64.
- Crawley, Mansfield C., Orcutt, Cal., assignor to Addograph Company. Adding attachment for type-writing machines. No. 1,050,347; Jan. 14; Gaz. vol. 186; p. 383.
- Crawley, Mansfield C., San Francisco, Cal., assignor to Addograph Company. Type-writer. No. 1,077,675; Nov. 4; Gaz. vol. 196; p. 149.
- Crawshaw, Gervase W., Leeds, England. Helmet for use in the driving of reinforced-concrete piles. No. 1,060,668; May 6; Gaz. vol. 190; p. 35.
- Crayssac, Desiré, Villeurbanne, France. Rotary valveless motor. No. 1,082,224; Dec. 23; Gaz. vol. 197; p. 881.
- Cream Cone Machine Company. (See Pierce, Simeon F., assignor.)
- Creamer, Frank D. (See Beil, Arthur H., assignor.)
- Creamery Package Manufacturing Company. (See Campbell and Benbrook, assignors.)
- Creamery Package Manufacturing Company. (See Macnish, Frederick J., assignor.)
- Creamery Packing Manufacturing Company. (See Penn, William E., assignor.)
- Creamery Package Manufacturing Company. (See Valerius, Theodore L., assignor.)
- Creamery Package Manufacturing Company. (See Valerius and Larsen, assignors.)
- Creasey, Samuel E., Alfred, assignor to Sanford Novelty Company, Sanford, Me. Spool-holder. No. 1,050,764; Jan. 14; Gaz. vol. 186; p. 524.
- Creasy, Reuben B., Ballinger, Tex. Saw filing and gumming machine. No. 1,054,908; Mar. 4; Gaz. vol. 188; p. 87.
- Crececius, Louis J., assignor to C. A. Thompson, St. Louis, Mo. Refillable bottle. No. 1,079,403; Nov. 25; Gaz. vol. 196; p. 838.
- Crececius, Theodore E. (See Feldmann and Crececius.)
- Crececius, Theodore E., assignor to Multiplex Display Fixture Company, St. Louis, Mo. Assembling-table. No. 1,060,430; Apr. 29; Gaz. vol. 189; p. 1201.
- Crececius, Theodore E., assignor to Multiplex Display Fixture Company, St. Louis, Mo. Display-rack. No. 1,067,801; July 22; Gaz. vol. 192; p. 752.
- Crececius, Theodore E., assignor to Multiplex Display Fixture Company, St. Louis, Mo. Fastening-clip for wings or leaves for display-racks. No. 1,068,416; July 29; Gaz. vol. 192; p. 1001.
- Crececius, Theodore E., assignor to Multiplex Display Fixture Company, St. Louis, Mo. Wing or panel for display-racks. No. 1,069,114; Aug. 5; Gaz. vol. 193; p. 9.
- Crececius, Theodore E., assignor to Multiplex Display Fixture Company, St. Louis, Mo. Welding-machine. No. 1,076,271; Oct. 21; Gaz. vol. 195; p. 631.
- Crech, Virgil W., Mason City, Iowa. Governor. No. 1,066,586; July 8; Gaz. vol. 192; p. 268.
- Crech, Virgil W., Mason City, Iowa. Spring-motor. No. 1,075,023; Oct. 7; Gaz. vol. 195; p. 150.
- Creedy, David R., Jr., *et al.* (See Allard, Andrew J., assignor.)
- Creed, Fred A., San Francisco, Cal. Disinfectant-holder. No. 1,067,472; July 15; Gaz. vol. 192; p. 606.
- Creek, Walter O., Arcadia, Ind. Attachment for riding-cultivators. No. 1,075,092; Oct. 7; Gaz. vol. 195; p. 173.
- Creel, Reuben E., *et al.* (See Gorton, William E., assignor.)
- Creel, Reuben E., *et al.* (See Osborn, Homer A., assignor.)
- Cregg, Frank J. (See Laury, Joseph A., assignor.)
- Creighton, Elmer E. F., Schenectady, N. Y., assignor to General Electric Company. Protective device. No. 1,055,881; Mar. 11; Gaz. vol. 188; p. 448.
- Creighton, Elmer E. F., Schenectady, N. Y., assignor to General Electric Company. Storm and surge alarm for transmission-lines. No. 1,062,083; May 20; Gaz. vol. 190; p. 594.
- Creighton, Elmer E. F., Schenectady, N. Y., assignor to General Electric Company. Lightning-arrester. No. 1,071,710; Sept. 2; Gaz. vol. 194; p. 13.
- Creighton, Elmer E. F., Schenectady, N. Y., assignor to General Electric Company. Protective device for street-cars. No. 1,078,131; Nov. 11; Gaz. vol. 196; p. 337.
- Creighton, John H. (See Dickson, Oliver E., assignor.)
- Cremona, Frank P., Baltimore, Md. Electric railway signaling system. No. 1,065,114; June 17; Gaz. vol. 191; p. 729.
- Crepaux, Claude. (See Pagerie, Joanny, assignor.)
- Creque, Frank J., Cuyaboga Falls, Ohio. Toy balloon. No. 1,070,422; Aug. 19; Gaz. vol. 193; p. 530.
- Crescent Machine Company, The. (See Harrold, Elmer, assignor.)
- Crescent Machine Company, The. (See Harrold and Wil-derson, assignors.)
- Crescimbeni, Ettore, Terni, Italy. Automatic railway-car-coupling device. No. 1,057,711; Apr. 1; Gaz. vol. 189; p. 108.
- Cress, Jesse E., Litchfield, Ill. Propelling mechanism for vehicles. No. 1,072,093; Sept. 2; Gaz. vol. 194; p. 144.
- Cresse, Wadsworth. (See Evans, John G., assignor.)
- Cresswell, Milton B., Des Moines, Iowa. Defecator. No. 1,075,629; Oct. 14; Gaz. vol. 195; p. 387.
- Cresswell, Milton B., Des Moines, Iowa. Finishing-evaporator. No. 1,075,630; Oct. 14; Gaz. vol. 195; p. 388.
- Cresswell, William J. (See Seaman and Cresswell.)
- Cressy, Walter. (See Pillsbury, Franklin C., assignor.)
- Creswell, William H., assignor of one-half to H. Leyendekkers, Los Angeles, Cal. Crate. No. 1,055,521; Mar. 11; Gaz. vol. 188; p. 327.
- Cretors, Charles, Chicago, Ill. Corn-popper. No. 1,075,550; Oct. 14; Gaz. vol. 195; p. 359.
- Cretors, Jesse B., St. Paris, Ohio. Storm-front for vehicles. No. 1,080,812; Dec. 9; Gaz. vol. 197; p. 344.
- Creveling, John L., New York, N. Y., assignor to Safety Car Heating and Lighting Company. Reversible brush-holder for use with dynamos. No. 1,058,730; Apr. 15; Gaz. vol. 189; p. 540.
- Creveling, John L., New York, N. Y., assignor to Safety Car Heating and Lighting Company. Electric regulation. No. 1,058,731; Apr. 15; Gaz. vol. 189; p. 540.
- Creveling, John L., New York, N. Y., assignor to Safety Car Heating and Lighting Company. Electric regulation. No. 1,082,110; Dec. 23; Gaz. vol. 197; p. 843.
- Creveling, John L., New York, N. Y., assignor to Safety Car Heating and Lighting Company. Electric regulation. No. 1,082,111; Dec. 23; Gaz. vol. 197; p. 843.
- Crew, Forest C., Helena, Mont. Game. No. 1,053,788; Feb. 18; Gaz. vol. 187; p. 742.
- Crewson, Charles C., Kansas City, and E. A. Crewson, Versailles, Mo. Gong-ringing device. No. 1,058,849; Apr. 15; Gaz. vol. 189; p. 582.
- Crewson, Evander A. (See Crewson, Charles C. and E. A.)
- Cribbs, William D., Grape Vine, Tex. Quilting-frame. No. 1,053,713; Feb. 18; Gaz. vol. 187; p. 718.
- Crichton-Clarke, William H., New York, N. Y., assignor to Gillette Safety Razor Company, Boston, Mass. Safety-razor. No. 1,071,711; Sept. 2; Gaz. vol. 194; p. 13.
- Crichton, George, Pearl River, N. Y. Fly-trap. No. 1,053,714; Feb. 18; Gaz. vol. 187; p. 719.
- Criddle, Thomas B., *et al.* (See Martin, William A., assignor.)
- Cridler, Oren W. (See Roe, Jackson M., assignor.)
- Cridland, Ernest A. (See Bates and Cridland.)
- Crim, Henry F., *et al.* (See Loy, William C., assignor.)
- Crippen, Herbert O., New York, N. Y. Spike. No. 1,059,121; Apr. 15; Gaz. vol. 189; p. 677.
- Crippen, Herbert O., New York, N. Y. Spike. No. 1,074,409; Sept. 30; Gaz. vol. 194; p. 1059.
- Crippen, Robert W., Arlington, Kans. Threshing-machine. No. 1,050,206; Jan. 14; Gaz. vol. 186; p. 334.
- Cripps, George T., Toronto, Ontario, Canada. Egg-tester. No. 1,073,594; Sept. 23; Gaz. vol. 194; p. 754.
- Crisman, Alonzo M., Davenport, Iowa. Planter-frame. No. 1,061,456; May 13; Gaz. vol. 190; p. 341.
- Crisp, Charles, London, England. Type-casting and similar machine. No. 1,072,917; Sept. 9; Gaz. vol. 194; p. 460.
- Crisp, Joseph E., Somerville, Mass., assignor to United Shoe Machinery Company, Paterson, N. J. Work-support for shoe-machines. No. 1,060,232; Apr. 29; Gaz. vol. 189; p. 1130.
- Crisp, William N. (See Merritt, George E., assignor.)
- Crist, Andrew J., Amorita, Okla. Motor-car attachment. No. 1,080,680; Dec. 9; Gaz. vol. 197; p. 295.
- Crist, Charles V. (See Glesseman and Crist.)
- Crist, Harvey T. (See Dillman, William B., assignor.)
- Crist, Mark B., assignor, by mesne assignments, to The Colonial Trust Company, trustee, Pittsburgh, Pa. Valve-gear for explosion-motors. No. 1,063,330; June 3; Gaz. vol. 191; p. 54.
- Criswell, Alexander P., Chicago, Ill. Ice-receptacle for refrigerators. No. 1,052,464; Feb. 11; Gaz. vol. 187; p. 245.
- Critz, Frank A., Jr., West Point, Miss. Stock-trough. No. 1,063,661; June 3; Gaz. vol. 191; p. 170.
- Critzer, Lawrence W., and H. J. H. Koster, Protection, Kans. Screen-door trap. No. 1,081,369; Dec. 16; Gaz. vol. 197; p. 567.
- Croan, Jesse M., Beatrice, Nebr. Hay-stacker. No. 1,057,040; Mar. 25; Gaz. vol. 188; p. 910.
- Croce, Ferdinando D., New York, N. Y. Paper-bag holder. No. 1,061,357; May 13; Gaz. vol. 190; p. 307.
- Crockatt, William, Glasgow, Scotland. Machine for facing or refacing valve-seats and for like purposes. No. 1,075,198; Oct. 7; Gaz. vol. 195; p. 210.
- Crocker, Emmons. (See Spring, Herbert E., assignor.)
- Crocker, Lloyd, *et al.* (See Cave, Daniel B., assignor.)
- Crocker, Lloyd O., Beatrice, Nebr. Amalgamator. No. 1,074,410; Sept. 30; Gaz. vol. 194; p. 1060.
- Crocker, Nellie H., Washington, D. C. Dress-shield. No. 1,054,342; Feb. 25; Gaz. vol. 187; p. 967.

Alphabetical list of patentees—Continued.

- Crocker, Ray S., Wellington, Ohio. Lifter. No. 1,060,167; Apr. 29; Gaz. vol. 189; p. 1106.
- Crocker, Sallie S., Lakewood, N. J. Stop or buffer for flush-tanks. No. 1,074,411; Sept. 30; Gaz. vol. 194; p. 1060.
- Crocker-Wheeler Company. (See Pikler, Armin H., assignor.)
- Crockett, Cyrenius W., Passaic, assignor to Alco Deo Company, Wallington, N. J. Apparatus for making diacetone alcohol. No. 1,075,284; Oct. 7; Gaz. vol. 195; p. 242.
- Crockett, Daniel W., assignor to C. W. Mabey and A. J. Coppock, Indianapolis, Ind. Keyless lock. No. 1,071,510; Aug. 26; Gaz. vol. 193; p. 926.
- Crockett, Joseph, and L. Lockwood, Bandon, Oreg. Protecting device for piling. No. 1,074,698; Oct. 7; Gaz. vol. 195; p. 39.
- Crockett, Samuel D., *et al.* (See Elliott, Thomas, assignor.)
- Crockford, Frank K., Bristol, R. I. Drinking-fountain. No. 1,060,972; May 6; Gaz. vol. 190; p. 142.
- Crohn, Marcus, New York, N. Y. Scarf-pin fastener. No. 1,054,178; Feb. 25; Gaz. vol. 187; p. 911.
- Crolla, Pieter J., and P. J. Schmitz, Volkenburg, Netherlands, assignors to Firm of C. H. Winterhoff, Remscheid, Germany. Wrench. No. 1,051,562; Jan. 28; Gaz. vol. 186; p. 868.
- Crombie, Herbert S., Woburn, assignor to Boston Toggle Company, Boston, Mass. Machine for making toggles. No. 1,060,168; Apr. 29; Gaz. vol. 189; p. 1107.
- Cromley, John M., Lewisburg, Pa. Radiator. No. 1,065,663; June 24; Gaz. vol. 191; p. 952.
- Crompton Company. (See Morton, Arthur, assignor.)
- Crompton, Frank E. (See Woodward and Crompton.)
- Crompton & Knowles Loom Works *et al.* (See Clark and Dalkranian, assignors.)
- Crompton & Knowles Loom Works *et al.* (See Cyr and Dalkranian, assignors.)
- Crompton & Knowles Loom Works. (See Gordon, Albert A., Jr., assignor.)
- Crompton & Knowles Loom Works. (See Hutchins, George F., assignor.)
- Crompton & Knowles Loom Works. (See Le Doux, Hector, assignor.)
- Crompton & Knowles Loom Works *et al.* (See Le Doux and Dalkranian, assignors.)
- Crompton & Knowles Loom Works. (See McGuiness, Benjamin F., assignor.)
- Crompton & Knowles Loom Works. (See Morell and Gordon, assignors.)
- Crompton & Knowles Loom Works. (See Regan, John, assignor.)
- Crompton & Knowles Loom Works. (See Ryon, Eppa H., assignor.)
- Crompton & Knowles Loom Works. (See Wattle, William, assignor.)
- Crompton & Knowles Loom Works. (See Whitmore, Fred A., assignor.)
- Crompton & Knowles Loom Works. (See Wyman, Horace, assignor.)
- Crompton & Knowles Loom Works. (See Wyman and Hutchins, assignors.)
- Crompton, Randolph, Marlboro, N. H. Automatic filling-replenishing loom. No. 1,057,411; Apr. 1; Gaz. vol. 189; p. 7.
- Crompton, Randolph, Marlboro, N. H. Apparatus for developing photographs. No. 1,057,712; Apr. 1; Gaz. vol. 189; p. 108.
- Crompton, Randolph, Marlboro, N. H. Spinning yarn. No. 1,060,233; Apr. 29; Gaz. vol. 189; p. 1130.
- Crompton, Rookes E. B., and E. T. J. Tapp, London, England. Road-roller. No. 1,078,538; Nov. 11; Gaz. vol. 196; p. 477.
- Cromwell, John C., Cleveland, Ohio. Bearing. No. 1,053,715; Feb. 18; Gaz. vol. 187; p. 719.
- Cromwell, William A., White Plains, N. Y. Mop-wringer. No. 1,060,821; May 6; Gaz. vol. 190; p. 88.
- Cron, Peter L., Elizabeth, N. J. Pneumatic plastering-machine. No. 1,053,014; Feb. 11; Gaz. vol. 187; p. 431.
- Cronander, Carl J., Moline, Ill., assignor to Moline Plow Company. Rod-bending machine. No. 1,050,348; Jan. 14; Gaz. vol. 186; p. 384.
- Crone, John V., Greeley, Colo. Radiator-cap. No. 1,050,265; Jan. 14; Gaz. vol. 186; p. 354.
- Crone, Seth A., East Orange, N. J. Brake-beam for railway-cars. No. 1,073,220; Sept. 16; Gaz. vol. 194; p. 603.
- Crone, Seth A., East Orange, N. J. Brake-beam for railway-cars. No. 1,076,956; Oct. 28; Gaz. vol. 195; p. 929.
- Crone, Stanley M., Fullerton, Pa. Horseshoe-forming machine. No. 1,063,779; June 3; Gaz. vol. 191; p. 211.
- Cronin Electrical Appliances Company, The. (See Cronin, Jeremiah, assignor.)
- Cronin, Jeremiah, assignor to The Cronin Electrical Appliances Company, Wapakoneta, Ohio. Implement for installing and repairing electric conductors. No. 1,050,004; Jan. 7; Gaz. vol. 186; p. 232.
- Cronin, Jeremiah, assignor to The Cronin Electrical Appliances Company, Wapakoneta, Ohio. Tie-wire for high-voltage circuits. No. 1,061,823; May 13; Gaz. vol. 190; p. 465.
- Cronin, John J., Plattsburg, N. Y. Sleeve for garments. No. 1,066,713; July 8; Gaz. vol. 192; p. 313.
- Cronin, John P., Paterson, N. J. Creel. No. 1,072,580; Sept. 9; Gaz. vol. 194; p. 340.
- Cronin, William, Philadelphia, Pa. Means for securing heads to spools. No. 1,078,419; Nov. 11; Gaz. vol. 196; p. 439.
- Cronjager, Henry, New York, N. Y. Camera. No. 1,056,507; Mar. 18; Gaz. vol. 188; p. 696.
- Cronk, Adolphus V., Burwell, Nebr. Insect-destroyer. No. 1,065,782; June 24; Gaz. vol. 191; p. 992.
- Cronk, Harrison T., New York, N. Y. Float control. No. 1,063,509; June 3; Gaz. vol. 191; p. 114.
- Cronk, Harrison T., New York, N. Y. Closet-trap. No. 1,064,196; June 10; Gaz. vol. 191; p. 387.
- Cronk, William, Montour Falls, N. Y. Combination weeding-hoe. No. 1,051,864; Feb. 4; Gaz. vol. 187; p. 6.
- Crook, Charles M., assignor to Stromberg Electric Company, Chicago, Ill. Card-elevating mechanism for time-recorders. No. 1,064,054; June 10; Gaz. vol. 191; p. 337.
- Crook, Charles M., assignor to The Willis Electric Meter Co., Chicago, Ill. Electrical measuring instrument. No. 1,073,098; Sept. 16; Gaz. vol. 194; p. 560.
- Crook, Thomas J., Wichita, Kans. Oil-burner. No. 1,070,230; Aug. 12; Gaz. vol. 193; p. 423.
- Crooker, Edwin R. (See Bolls and Crooker.)
- Crookes, Henry, London, England. Production of colloidal metals. No. 1,059,841; Apr. 22; Gaz. vol. 189; p. 954.
- Crooks, James W., Mount Vernon, N. Y., assignor to Aeolian Company. Means for regulating the relative speed of operation of reproducing-machines. No. 1,057,332; Mar. 25; Gaz. vol. 188; p. 1007.
- Croom, Robert F. (See Lundy, Joseph G., assignor.)
- Crosbie, Daniel L., assignor of one-third to J. D. Cornell and one-third to V. J. Bartels, Sacramento, Cal. Resilient wheel. No. 1,058,221; Apr. 8; Gaz. vol. 189; p. 328.
- Crosbie, Sydney, Hertford, England. Liquid-fuel burner. No. 1,072,918; Sept. 9; Gaz. vol. 194; p. 460.
- Crosby, Charles F. (See Dietz, Herman L., assignor.)
- Crosby, Franklin B., Short Hills, N. J. Merry-go-round. No. 1,050,430; Jan. 14; Gaz. vol. 186; p. 412.
- Crosby, George H., and C. H. Jones, Duluth, Minn. Blast-ing-tube. No. 1,065,664; June 24; Gaz. vol. 191; p. 953.
- Crosby, Gorham, New York, N. Y., assignor to Gould Coupler Company. Electrical system of distribution. No. 1,078,721; Nov. 18; Gaz. vol. 196; p. 573.
- Crosby, Oliver, assignor to American Hoist & Derrick Company, St. Paul, Minn. Derrick. No. 1,052,439; Feb. 4; Gaz. vol. 187; p. 204.
- Crosby Steam Gage and Valve Company. (See Phillips, Arthur P., assignor.)
- Crosher, Archibald T., Te Aroha, New Zealand. Connecting electric wires to lamp-holders, plugs, and the like. No. 1,060,822; May 6; Gaz. vol. 190; p. 88.
- Crosier, Fred D., Montello, Mass., assignor to United Shoe Machinery Company, Paterson, N. J. Lasting-tool. No. 1,054,089; Feb. 25; Gaz. vol. 187; p. 879.
- Cross, Andrew J., New York, N. Y. Bifocal lens. No. 1,063,421; June 3; Gaz. vol. 191; p. 85.
- Cross, Arthur J., Boston, Mass. Lifting-jack. No. 1,050,107; Jan. 14; Gaz. vol. 186; p. 302.
- Cross, Arthur R. (See Gault, Albert C., assignor.)
- Cross, Charles C., Philadelphia, Pa. Nut and bolt lock. No. 1,064,447; June 10; Gaz. vol. 191; p. 473.
- Cross, Charles H., 2nd, Brookline, Mass., assignor to Regal Shoe Company, Portland, Me. Advertising device. No. 1,076,629; Oct. 21; Gaz. vol. 195; p. 760.
- Cross, Frank L., Detroit, Mich. Means for controlling flow through a conduit. No. 1,054,179; Feb. 25; Gaz. vol. 187; p. 912.
- Cross, Frank L., Detroit, Mich. Valve. No. 1,057,621; Apr. 1; Gaz. vol. 189; p. 77.
- Cross, Frank L., Wollaston, Mass., assignor to Cross Paper Feeder Company. Paper-folding machine. No. 1,063,860; June 3; Gaz. vol. 191; p. 236.
- Cross, George W., Fort Smith, Ark. Valve-lock. No. 1,082,935; Dec. 30; Gaz. vol. 197; p. 1162.
- Cross, Hartsell H., and W. F. Wrathford, Hendricks, W. Va. Column for steam-boilers. No. 1,074,493; Sept. 30; Gaz. vol. 194; p. 1086.
- Cross, James P. (See Morrow, David W., assignor.)
- Cross, Noah C., Buford, Ga. Fertilizer-distributor. No. 1,055,321; Mar. 11; Gaz. vol. 188; p. 260.
- Cross, Noah C., Buford, Ga. Planter. No. 1,073,742; Sept. 23; Gaz. vol. 194; p. 808.
- Cross Paper Feeder Company. (See Cross, Frank L., assignor.)
- Cross, Ralph W., Tyler, Tex. Weather strip or seal for sliding window-sashes. No. 1,059,280; Apr. 15; Gaz. vol. 189; p. 731.
- Cross, Walter M., Kansas City, Mo. Steam-generating system. No. 1,059,980; Apr. 29; Gaz. vol. 189; p. 1044.

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- Cross, William A., Chicago, Ill. Warehouse-door. No. 1,059,981; Apr. 29; Gaz. vol. 189; p. 1045.
- Crosser, Calvin S., *et al.* (See Robinson, Arthur G., assignor.)
- Crosser, John R., Blythedale, Pa. Rail-joint. No. 1,069,321; Aug. 5; Gaz. vol. 193; p. 81.
- Crossley, Albert D., Hartford, Conn., assignor of one-fourth to J. J. Harty, Kingston, Ontario, and one-fourth to W. P. O'Brien, Montreal, Quebec, Canada. Fire-ladder truck. No. 1,076,104; Oct. 21; Gaz. vol. 195; p. 577.
- Crossley, Edward, Erie, Pa. Net-pulling machine. No. 1,058,156; Apr. 8; Gaz. vol. 189; p. 305.
- Crossley, Ernest G., Stockbridge, Mich. Mail-bag delivering and receiving apparatus. No. 1,070,231; Aug. 12; Gaz. vol. 193; p. 423.
- Crossley, Francis M., Detroit, Mich. Railway-tie. No. 1,079,638; Nov. 25; Gaz. vol. 196; p. 919.
- Crossley, George, Manchester, England. Fireproof door and the like. No. 1,064,293; June 10; Gaz. vol. 191; p. 419.
- Crossley, James S., assignor to Pass & Seymour, Inc., Solvay, N. Y. Receptacle for incandescent electric lamps. No. 1,081,581; Dec. 16; Gaz. vol. 197; p. 636.
- Crossley, James W., Banks, Ark. Combination-tool. No. 1,062,584; May 27; Gaz. vol. 190; p. 803.
- Crossman, Martin R., Boston, Mass. Fountain-pen. No. 1,054,678; Mar. 4; Gaz. vol. 188; p. 9.
- Croswhite, James H. (See Hornbostel and Croswhite.)
- Croteau, Herman, Montreal, Quebec, Canada. Fire-escape. No. 1,081,813; Dec. 16; Gaz. vol. 197; p. 714.
- Crothers, Clarence B., assignor of one-half to R. A. Lemmon, Shoshone, Idaho. Tool-holder. No. 1,057,942; Apr. 1; Gaz. vol. 189; p. 186.
- Crottsly, Ashel W., Arlington Heights, assignor to Wheeling Corrugating Company, Chicago, Ill. Metallic building construction. No. 1,060,745; May 6; Gaz. vol. 190; p. 62.
- Crouch, Lee D., Oneonta, N. Y. Automatic cut-off device. No. 1,056,009; Mar. 18; Gaz. vol. 188; p. 526.
- Crouse, David E., and C. G. Eidson, Annapolis, assignors to The Auto Air Appliance Company, Baltimore, Md. Variable-speed mechanism. No. 1,082,624; Dec. 30; Gaz. vol. 197; p. 1054.
- Crouse-Hinds Company. (See Bissell, Carl H., assignor.)
- Crouse-Hinds Company. (See Hinds and Dossert, assignors.)
- Crouse-Hinds Company. (See Olley, Edwin A., assignor.)
- Crouse-Hinds Company. (See Olley, Raymond H., assignor.)
- Crouse-Hinds Company. (See Schneider, Edward L., assignor.)
- Crouse-Hinds Company. (See Van Ranst, Samuel B., assignor.)
- Crouse, John L., Pittsburgh, Pa., assignor to Westinghouse Electric and Manufacturing Company. System of train control. No. 1,075,462; Oct. 14; Gaz. vol. 195; p. 330.
- Crouse, Joshua. (See Peters, Lundy L., assignor.)
- Crow, C. E. (See Giovannoni, Charles, assignor.)
- Crow, George, *et al.* (See Burling, Charles S., assignor.)
- Crow, William A., Chickasha, Okla. Cotton-chopper. No. 1,074,494; Sept. 30; Gaz. vol. 194; p. 1086.
- Crowdus, Walter A., assignor of one-half to A. R. Porter, Chicago, Ill. Storage battery. No. 1,076,485; Oct. 21; Gaz. vol. 195; p. 709.
- Crowe, Charles E., Chicago, Ill. Tracheal tube. No. 1,065,920; July 1; Gaz. vol. 192; p. 5.
- Crowe, James H., Cleveland, Tenn. Roundabout. No. 1,065,783; June 24; Gaz. vol. 191; p. 992.
- Crowe, Paul L., Jersey City, N. J. Oscillating engine. No. 1,066,470; July 8; Gaz. vol. 192; p. 226.
- Crowe, Paul L., Jersey City, N. J. Stoker. No. 1,077,872; Nov. 4; Gaz. vol. 196; p. 215.
- Crowell, Charles H., Swampscott, Mass. Moistening-machine. No. 1,081,582; Dec. 16; Gaz. vol. 197; p. 636.
- Crowell, Charles H., Swampscott, Mass. Machine for preparing stay-strips. No. 1,081,583; Dec. 16; Gaz. vol. 197; p. 637.
- Crowell, Clayton C., and N. A. Siebenaller, Tiffin, Ohio. Train-pipe coupling. No. 1,051,563; Jan. 28; Gaz. vol. 186; p. 868.
- Crowell, Frank S., Toledo, Ohio. Lighting-fixture. No. 1,059,441; Apr. 22; Gaz. vol. 189; p. 824.
- Crowell, Giles E., Concord, N. C. Harrow. No. 1,058,415; Apr. 8; Gaz. vol. 189; p. 396.
- Crowell, John H., Vineyard Haven, Mass. Freezer-holder. No. 1,072,434; Sept. 9; Gaz. vol. 194; p. 289.
- Crowell, John H., Vineyard Haven, Mass. Press. No. 1,076,023; Oct. 21; Gaz. vol. 195; p. 548.
- Crowell, John H., Vineyard Haven, Mass. Poultry automatic water-feeder. No. 1,076,351; Oct. 21; Gaz. vol. 195; p. 661.
- Crowell, William F., Providence, R. I. Envelop. No. 1,052,322; Feb. 4; Gaz. vol. 187; p. 163.
- Crowley, Cornelius J., Burlington, Iowa. Tool-holder. No. 1,062,225; May 20; Gaz. vol. 190; p. 643.
- Crowley, Joseph P., Toledo, Ohio. Pneumatic measuring-machine. No. 1,052,653; Feb. 11; Gaz. vol. 187; p. 309.
- Crowley, Joseph P., Toledo, Ohio. Measuring-machine for tobacco, &c. No. 1,052,654; Feb. 11; Gaz. vol. 187; p. 309.
- Crowley, William H., Marine City, and A. Fitzgerald, assignors to Morehead Manufacturing Company, Detroit, Mich. Vacuum steam-heating system. No. 1,071,214; Aug. 26; Gaz. vol. 193; p. 829.
- Crown Cork and Seal Company of Baltimore City, The. (See La Porte, Norbert M., assignor.)
- Crown Die & Tool Company. (See Beck, Edward E., assignor.)
- Croxton, David T., Cleveland, Ohio. Method of and apparatus for handling slag and similar friable material. No. 1,056,632; Mar. 18; Gaz. vol. 188; p. 739.
- Crozier, Harry C., Phoenix, Ariz. Loose-leaf binder. No. 1,072,919; Sept. 9; Gaz. vol. 194; p. 461.
- Crozier, Van K., *et al.* (See O'Neal, William J., assignor.)
- Crucible Steel Company of America. (See Gathmann, Emil, assignor.)
- Crucible Steel Company of America. (See Soden, Alfred J., assignor.)
- Cruise, Daniel. (See Knapp and Cruise.)
- Cruise, Daniel, assignor to J. M. Ehrlich, New York, N. Y. Horseshoe-pad. No. 1,075,199; Oct. 7; Gaz. vol. 195; p. 211.
- Cruikshank, James W. (See Hachmeister, Henry W., assignor.)
- Cruikshank, James W., Pittsburgh, Pa. Apparatus for grinding and polishing plate-glass. No. 1,069,395; Aug. 5; Gaz. vol. 193; p. 108.
- Cruise, Michael H., Hebron, Nebr. Spring-wheel. No. 1,060,823; May 6; Gaz. vol. 190; p. 89.
- Crum, Clarence M., Hannah, N. D. Automobile headlight control. No. 1,065,784; June 24; Gaz. vol. 191; p. 992.
- Crumb, Edward S., Charlestown, R. I. Closure for poison-bottles. No. 1,082,413; Dec. 23; Gaz. vol. 197; p. 948.
- Crume, John W., and A. Austin, Stillwater, Okla. Magazine smoking-pipe. No. 1,050,005; Jan. 7; Gaz. vol. 186; p. 232.
- Crump Company, The. (See Crump, Samuel, assignor.)
- Crump, Frank H., Los Angeles, Cal. Loose-leaf binder. No. 1,070,780; Aug. 19; Gaz. vol. 193; p. 652.
- Crump, John B., Ballarat, Victoria, Australia. Potato-planting apparatus. No. 1,052,893; Feb. 11; Gaz. vol. 187; p. 390.
- Crump, Samuel, assignor to The Crump Company, New York, N. Y. Apparatus for cleaning printers' rollers. No. 1,058,040; Apr. 8; Gaz. vol. 189; p. 263.
- Crumpton, Thomas E. D., Coalinga, Cal. Tubing-catcher. No. 1,066,000; July 1; Gaz. vol. 192; p. 34.
- Cruse, John H., Jr., and R. Coleman, Birmingham, Ala. Wagon-gear. No. 1,065,431; June 24; Gaz. vol. 191; p. 873.
- Cruser, Frederick V. D. (See Fairburn, Cruser, and Green.) (Reissue.)
- Crush, Albert B., Louisville, Ky. Railway-crossing. No. 1,068,984; July 29; Gaz. vol. 192; p. 1197.
- Crush, Florian A., Louisville, Ky. Display-rack. No. 1,053,159; Feb. 18; Gaz. vol. 187; p. 526.
- Crutchfield, George P., Greensboro, N. C. Windlass attachment for vehicle-brakes. No. 1,075,902; Oct. 14; Gaz. vol. 195; p. 478.
- Crutchley, Harry, Jersey City, N. J., assignor to Underwood Typewriter Company, New York, N. Y. Typewriting machine. No. 1,067,645; July 15; Gaz. vol. 192; p. 666.
- Cruttenden, Henry L., Northfield, Minn. Die for forming tooth-backings. No. 1,076,957; Oct. 28; Gaz. vol. 195; p. 930.
- Cruzan, John E., Eldora, Iowa. Tank-heater. No. 1,050,349; Jan. 14; Gaz. vol. 186; p. 384.
- Cruzan, Joseph W., Mattoon, Ill. Engine-cylinder. No. 1,080,894; Dec. 9; Gaz. vol. 197; p. 372.
- Cryder, Louis K., Kingston, Ohio. Bundle-separator for threshing-machines. No. 1,049,810; Jan. 7; Gaz. vol. 186; p. 167.
- Csèki, Alexander, Cleveland, Ohio. Life-preserver. No. 1,059,442; Apr. 22; Gaz. vol. 189; p. 824.
- Csèki, Alexander, Cleveland, Ohio. Swimming device. No. 1,059,443; Apr. 22; Gaz. vol. 189; p. 825.
- Csèki, Alexander, Cleveland, Ohio. Life-preserver. No. 1,059,444; Apr. 22; Gaz. vol. 189; p. 825.
- Csiszarik, Filip, Springdale, Pa. Rat-trap. No. 1,066,888; July 8; Gaz. vol. 192; p. 372.
- Cuba, John L., Taylor, Tex. Punch. No. 1,083,194; Dec. 30; Gaz. vol. 197; p. 1243.
- Cubbison, Harry B. (See Cubbison and McFarland, assignors.)
- Cubbison, Paul J., and R. G. McFarland, assignors of one-third to H. B. Cubbison, New Castle, Pa. Shock-absorber. No. 1,066,255; July 1; Gaz. vol. 192; p. 126.
- Cubelic, Ludwig, Charlottenburg, Germany, assignor to General Electric Company. Labyrinth-packing. No. 1,049,811; Jan. 7; Gaz. vol. 186; p. 168.
- Cubelic, Ludwig, Charlottenburg, Germany, assignor to General Electric Company. Governing mechanism for low-pressure turbines. No. 1,050,006; Jan. 7; Gaz. vol. 186; p. 232.
- Cubelic, Ludwig, Charlottenburg, Germany, assignor to General Electric Company. Utilizing leakage steam in steam-turbines. No. 1,062,892; May 27; Gaz. vol. 190; p. 905.

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- Cubelic, Ludwig, Charlottenburg, Germany, assignor to General Electric Company. Tapped turbine. No. 1,063,513; June 3; Gaz. vol. 191; p. 116.
- Cubelic, Ludwig, Charlottenburg, and G. Forner, Berlin, Germany, assignors to General Electric Company. Steam-turbine. No. 1,063,510; June 3; Gaz. vol. 191; p. 115.
- Cubelle, Ludwig, Charlottenburg, and G. Forner, Berlin, Germany, assignors to General Electric Company. Steam-turbine and governing mechanism therefor. No. 1,063,511; June 3; Gaz. vol. 191; p. 115.
- Cubitt, Archibald S., Rugby, England, assignor to General Electric Company. Electrically-heated stove. No. 1,052,894; Feb. 11; Gaz. vol. 187; p. 391.
- Cubitt, Archibald S., Rugby, England, assignor to General Electric Company. Electromagnetic switch. No. 1,071,886; Sept. 2; Gaz. vol. 194; p. 75.
- Cubitt, Archibald S., Pittsfield, Mass., assignor to General Electric Company. Electric heater. No. 1,055,882; Mar. 11; Gaz. vol. 188; p. 448.
- Cubitt, Archibald S., Pittsfield, Mass., assignor to General Electric Company. Electric heater. No. 1,077,676; Nov. 4; Gaz. vol. 196; p. 150.
- Cubley, Harold, assignor to Matthew Harvey and Company Limited, Walsall, England. Snap-flask. No. 1,065,921; July 1; Gaz. vol. 192; p. 5.
- Cuddy-Gardner Company. (See Gardner and Chase, assignors.)
- Cuenot, Paul A., Steelton, assignor to The Pennsylvania Steel Company, Philadelphia, Pa. Roller-bearing for turn-tables. No. 1,079,911; Nov. 25; Gaz. vol. 196; p. 1016.
- Cuff, John K., Rio, Wis. Ditching-machine. No. 1,060,538; Apr. 29; Gaz. vol. 189; p. 1237.
- Culbertson, William C., Rushville, Ind. Liquid-supply regulator. No. 1,062,537; May 20; Gaz. vol. 190; p. 744.
- Cull, James M., Davenport, S. D. Wind-motor. No. 1,059,929; Apr. 22; Gaz. vol. 189; p. 983.
- Cullen, Thomas J. (See Lehrmann and Cullen.)
- Culli, George, Millstadt, Ill. Whiffletree. No. 1,061,166; May 6; Gaz. vol. 190; p. 206.
- Cullin, Jasper F., Clinton, Mich. Internal-combustion motor. No. 1,077,811; Nov. 4; Gaz. vol. 196; p. 195.
- Cullon, John P., Toronto, Ontario, Canada. Flue-cleaner. No. 1,076,869; Oct. 28; Gaz. vol. 195; p. 898.
- Culmer, John W., Beaver Falls, Pa., assignor, by mesne assignments, to National Scale Company. Computing-scale. No. 1,054,180; Feb. 25; Gaz. vol. 187; p. 912.
- Culp, Charles M., South Bend, Ind. Cushion-tire. No. 1,076,024; Oct. 21; Gaz. vol. 195; p. 549.
- Culp, Henry J., Goshen, Ind. Burial apparatus. No. 1,065,030; June 17; Gaz. vol. 191; p. 700.
- Culp, John W., Huntington, Ind. Swing. No. 1,079,933; Dec. 2; Gaz. vol. 197; p. 4.
- Culter & Proctor Stove Co. (See Cooley, Proctor P., assignor.)
- Culter & Proctor Stove Co. (See Genthner, Charles M., assignor.)
- Culver, Carl C. (See Lemon and Culver.)
- Culver, Edmund B., Great Barrington, Mass. Sewer-cleaning device. No. 1,081,488; Dec. 16; Gaz. vol. 197; p. 607.
- Culver, Edward P., Schenectady, N. Y. Heat-controlling system. No. 1,063,780; June 3; Gaz. vol. 191; p. 211.
- Culver, Edwin R., assignor to Culver Military Academy, Culver, Ind. Sleeping-porch. No. 1,074,103; Sept. 30; Gaz. vol. 194; p. 958.
- Culver, Forest E., Chicago, Ill. Pliers. No. 1,061,358; May 13; Gaz. vol. 190; p. 307.
- Culver, Francis D., Humboldt, Kans. Holder. No. 1,077,510; Nov. 4; Gaz. vol. 196; p. 96.
- Culver, Frederick S., Taunton, Mass. Spinning-machine. No. 1,080,266; Dec. 2; Gaz. vol. 197; p. 123.
- Culver Military Academy. (See Culver, Edwin R., assignor.)
- Cumberland Steel Company. (See Muncaster, Walter J., assignor.)
- Cummer, Harry, Buffalo, N. Y. Weighing-scale. No. 1,076,486; Oct. 21; Gaz. vol. 195; p. 709.
- Cumming, Paul R., assignor to The Barnet Manufacturing Company Ltd., Renfrew, Ontario, Canada. Shelf-bracket. No. 1,055,522; Mar. 11; Gaz. vol. 188; p. 328.
- Cummings, Asa B. (See Snow and Cummings.)
- Cummings, Benjamin F., Dryden, Okla. Whiffletree. No. 1,076,352; Oct. 21; Gaz. vol. 195; p. 662.
- Cummings, Charlie C., St. Louis, Mo. Attachment for boots, shoes, and the like. No. 1,053,361; Feb. 18; Gaz. vol. 187; p. 596.
- Cummings, Edward J., Chicago, Ill. Lifting-jack. No. 1,065,031; June 17; Gaz. vol. 191; p. 701.
- Cummings, George, Gosforth, England. Door mat, tread, and the like. No. 1,074,586; Sept. 20; Gaz. vol. 194; p. 1117.
- Cummings, Harry. (See Green, Randall E., assignor.)
- Cummings, Henry H., Newton, Mass. Air-veil for gun-sights. No. 1,072,828; Sept. 9; Gaz. vol. 194; p. 426.
- Cummings, Henry H., Newton, Mass., assignor, by mesne assignments, to Atlantic National Bank, Providence, R. I. Target-practice apparatus. No. 1,078,259; Nov. 11; Gaz. vol. 196; p. 381.
- Cummings, Henry H., Newton Highlands, and A. M. English, Boston, Mass., assignors to Penn Metal Company. Machine for attaching wires to metallic studs. No. 1,070,327; Aug. 12; Gaz. vol. 193; p. 456.
- Cummings, Martin E., assignor of one-half to J. B. Olinger, Denver, Colo. Ribbon measuring and marking machine. No. 1,054,090; Feb. 25; Gaz. vol. 187; p. 880.
- Cummins, Herbert L. (See Quayle and Cummins.)
- Cummins, Norman W., assignor to The Burns & Bassick Company, Bridgeport, Conn. Lubricator. No. 1,069,925; Aug. 12; Gaz. vol. 193; p. 318.
- Cumnock, Arthur J., Rye, N. Y. Cutting-machine. No. 1,069,396; Aug. 5; Gaz. vol. 193; p. 108.
- Cumnock, Arthur J., Rye, N. Y. Woven fabric. No. 1,071,143; Aug. 26; Gaz. vol. 193; p. 804.
- Cumnock, Arthur J., Rye, N. Y. Web-cutting machine. No. 1,072,829; Sept. 9; Gaz. vol. 194; p. 427.
- Cumnock, Arthur J., New York, N. Y. Making collars. No. 1,073,080; Sept. 9; Gaz. vol. 194; p. 518.
- Cundall, Constant T., Stonington, Conn., assignor to C. B. Cottrell & Sons Company, New York, N. Y. Plate-registering device for plate-cylinders of printing-presses. No. 1,070,669; Aug. 19; Gaz. vol. 193; p. 614.
- Cundall, Constant T., Stonington, Conn., assignor to C. B. Cottrell & Sons Company, New York, N. Y. Web cutting and folding machine. No. 1,072,094; Sept. 2; Gaz. vol. 194; p. 144.
- Cundall, Constant T., Stonington, Conn., assignor to C. B. Cottrell & Sons Company, New York, N. Y. Web cutting and folding machine. No. 1,072,316; Sept. 2; Gaz. vol. 194; p. 217.
- Cunin, Joseph E., assignor to The McCaskey Register Company, Alliance, Ohio. Clamping device. No. 1,067,320; July 15; Gaz. vol. 192; p. 556.
- Cunniff, Edward A., New Bedford, assignor to Draper Company, Hopedale, Mass. Thread-cutting loom-temple. No. 1,049,458; Jan. 7; Gaz. vol. 186; p. 48.
- Cunniff, John V., Fall River, assignor of one-half to J. K. Lanning, Boston, Mass. Top-roll saddle for spinning-frames. No. 1,072,317; Sept. 2; Gaz. vol. 194; p. 218.
- Cunning, James, Indianapolis, Ind. Hog-scraping machine. No. 1,050,521; Jan. 14; Gaz. vol. 186; p. 445.
- Cunningham, Andrew C., Norfolk, Va. Manufacture of car-axles. No. 1,068,630; July 29; Gaz. vol. 192; p. 1074.
- Cunningham, Charles A., Chico, Cal. Decoy. No. 1,066,587; July 8; Gaz. vol. 192; p. 268.
- Cunningham, Clement J., Mount Vernon, Ill. Machine for spreading lime and the like. No. 1,065,665; June 24; Gaz. vol. 191; p. 953.
- Cunningham, Edward R., assignor of one-third to E. B. Beighler and one-third to F. C. Tate, Des Moines, Iowa. Block-signal system. No. 1,053,362; Feb. 18; Gaz. vol. 187; p. 596.
- Cunningham, Harry, Illiopolis, Ill. Pawl mechanism for wire-stretchers. No. 1,052,655; Feb. 11; Gaz. vol. 187; p. 309.
- Cunningham, John E., and L. E. Haines, Martinsville, Ind. Plow-clévis. No. 1,052,573; Feb. 11; Gaz. vol. 187; p. 281.
- Cunningham, John F., San Francisco, Cal. Advertising device. No. 1,081,021; Dec. 9; Gaz. vol. 197; p. 412.
- Cunningham, John L. (See Butler, Joseph F., assignor.)
- Cunningham, Michael A., et al. (See Cave, Daniel B., assignor.)
- Cunningham, Michael J. H., Lynn, Mass. Bag, satchel, and similar receptacle. No. 1,060,824; May 6; Gaz. vol. 190; p. 89.
- Cunningham, Otto H., Leechburg, Pa., assignor, by mesne assignments, to General Electric Company. Manufacturing silicon-steel products. No. 1,081,370; Dec. 16; Gaz. vol. 197; p. 568.
- Cunningham, Samuel A., New York, N. Y. Therapeutic device for utilizing radiant energy. No. 1,061,225; May 6; Gaz. vol. 190; p. 227.
- Cunningham, Wayne. (See Torrance, William M., assignor.)
- Cunningham, William S., Springfield, Mo. Deep-well pump. No. 1,065,225; June 17; Gaz. vol. 191; p. 764.
- Cunnius, Alfred R., Brooklyn, N. Y., assignor of one-half to L. Kaiser, East Orange, N. J. Sound-reproducing machine. No. 1,054,395; Feb. 25; Gaz. vol. 187; p. 985.
- Cuno, Charles H., Meriden, Conn. Engine-starter. No. 1,049,679; Jan. 7; Gaz. vol. 186; p. 123.
- Cuno, Charles H., Meriden, Conn. Gas-engine starter. No. 1,064,055; June 10; Gaz. vol. 191; p. 337.
- Cuno, Charles H., Meriden, Conn. Gas-engine starter. No. 1,078,260; Nov. 11; Gaz. vol. 196; p. 381.
- Cuntz, John H., Hoboken, N. J. Wave-detector. No. 1,080,681; Dec. 9; Gaz. vol. 197; p. 295.
- Cupper, William, Malden, Mass. Fastening device. No. 1,071,986; Sept. 2; Gaz. vol. 194; p. 108.
- Cupples, Harry, Jr. (See Talbot and Cupples.)
- Cupstid, Thomas J., Blaney, S. C. Hub and axle connection. No. 1,062,226; May 20; Gaz. vol. 190; p. 643.

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- Curby, George W., Bonham, Tex. Saw gage and filing clamp. No. 1,057,806; Apr. 1; Gaz. vol. 189; p. 141.
- Cureau, Armand H., Tarrytown, N. Y. Canister-support. No. 1,075,242; Oct. 7; Gaz. vol. 195; p. 225.
- Curlee, Andrew J., Waxahachie, Tex. Impregnator. No. 1,052,895; Feb. 11; Gaz. vol. 187; p. 391.
- Curnow, Francis A., Pittsburg, Kans. Roasting-furnace. No. 1,072,920; Sept. 9; Gaz. vol. 194; p. 461.
- Curnutt, John Z., and E. E. Lloyd, Maryville, Mo. Lighting-rod. No. 1,061,824; May 13; Gaz. vol. 190; p. 465.
- Curoi, Etienne, Cut Off, La. Seine-pursing device. No. 1,070,232; Aug. 12; Gaz. vol. 193; p. 423.
- Curran, Con P. (See Morrissey, David J., assignor.)
- Curran, John W., Newport, Ky., and A. P. Prendergast, Cincinnati, Ohio. Metal brake-shelf for cars. No. 1,051,696; Jan. 28; Gaz. vol. 186; p. 912.
- Curran, Joseph W., Vancouver, British Columbia, Canada. Junction-seam for sweater-garments. No. 1,066,256; July 1; Gaz. vol. 192; p. 127.
- Curran, Joseph W., Vancouver, British Columbia, Canada. Presser-foot. No. 1,066,257; July 1; Gaz. vol. 192; p. 127.
- Curran, William C., Maysville, Ky. Wheel-guard for deflecting objects from the track. No. 1,073,743; Sept. 23; Gaz. vol. 194; p. 808.
- Currell, James M., Paso Robles, Cal. Well-drill. No. 1,065,298; June 17; Gaz. vol. 191; p. 789.
- Currie, Alexander, assignor of one-third to A. H. Lidders, Los Angeles, Cal. Boat. No. 1,081,489; Dec. 16; Gaz. vol. 197; p. 608.
- Currie, Alexander A., Monessen, Pa. Curtain-fixture. No. 1,061,988; May 20; Gaz. vol. 190; p. 562.
- Currie, Donald H. (See Long, Currie, and Simpson.)
- Currie, James C. (See Tuma, Frank, assignor.)
- Currie, Jasper J., assignor of one-half to J. H. Flecksteiner, Detroit, Mich. Draft-regulator for furnaces. No. 1,049,343; Jan. 7; Gaz. vol. 186; p. 9.
- Currier, Arthur L., Newton Highlands, assignor to J. W. Moore Machine Company, Boston, Mass. Button-carding machine. No. 1,055,523; Mar. 11; Gaz. vol. 188; p. 328.
- Currier Publishing Company. (See Moore, Frank V., assignor.)
- Curran, John, New York, N. Y. Eyeglass-case. No. 1,080,267; Dec. 2; Gaz. vol. 197; p. 123.
- Curran, Sydney A., Bristol, England. Demountable rim for resilient wheels. No. 1,054,679; Mar. 4; Gaz. vol. 188; p. 9.
- Curran, Sydney A., Bristol, England. Vehicle-wheel. No. 1,081,216; Dec. 9; Gaz. vol. 197; p. 476.
- Curry, Edward C., *et al.* (See Geraghty and Naylor, assignors.)
- Curry, Harry W., Hudson Heights, N. J. Convertible box-car. No. 1,067,719; July 15; Gaz. vol. 192; p. 691.
- Curry, John B., Telluride, Colo. Ignition device. No. 1,055,260; Mar. 4; Gaz. vol. 188; p. 202.
- Curry, John P., New York, N. Y. Bag-tying machine. No. 1,074,587; Sept. 30; Gaz. vol. 194; p. 1117.
- Curry, John P., New York, N. Y. Apparatus for automatically regulating weight. No. 1,081,723; Dec. 16; Gaz. vol. 197; p. 682.
- Curry, Joseph F., Newark, N. J., assignor to U. G. Clark, New York, N. Y. Lock-joint for wind-shields. No. 1,074,839; Oct. 7; Gaz. vol. 195; p. 85.
- Curry, Robert, New York, N. Y. Resilient tire. No. 1,083,059; Dec. 30; Gaz. vol. 197; p. 1203.
- Curry, William C., Louisville, Ky. Silo. No. 1,050,007; Jan. 7; Gaz. vol. 186; p. 233.
- Curtain Supply Company, The. (See Forsyth, William H., assignor.)
- Curtain Supply Company. (See Forsyth and Whitmore, assignors.)
- Curtain Supply Company, The. (See Hopkins, Charles L., assignor.)
- Curtain Supply Company, The. (See Hotaling, Irving L., assignor.)
- Curtain Supply Company, The. (See Levan, John, assignor.)
- Curtain Supply Company, The. (See Whitmore, Edward E., assignor.)
- Curtice, William H., Louisville, Ky. Convertible furniture. No. 1,077,189; Oct. 28; Gaz. vol. 195; p. 1003.
- Curtin, Frank, Gloversville, and W. C. Shields, assignors to Shields Brothers, Bombay, N. Y. Moccasin. No. 1,052,133; Feb. 4; Gaz. vol. 187; p. 100.
- Curtin, Henry, Gloversville, N. Y. Tool-holder. No. 1,068,221; July 22; Gaz. vol. 192; p. 894.
- Curtis, Allen, Glens Falls, assignor to International Paper Company, New York, N. Y. Sharpening attachment for wood-pulp grinders. No. 1,070,328; Aug. 12; Gaz. vol. 193; p. 456.
- Curtis, Allen L. (See Wentz and Curtis.)
- Curtis, Arthur R., Denver, Colo. Starting mechanism for internal-combustion engines. No. 1,064,132; June 10; Gaz. vol. 191; p. 364.
- Curtis, Benjamin F., Covington, Ky. Holding means for attachments for sewing-machines. No. 1,072,581; Sept. 9; Gaz. vol. 194; p. 341.
- Curtis, Charles G., New York, N. Y. Elastic-fluid turbine. No. 1,071,887; Sept. 2; Gaz. vol. 194; p. 75.
- Curtis, Charles G., New York, N. Y. Gearing. No. 1,078,836; Nov. 18; Gaz. vol. 196; p. 614.
- Curtis, Charles G., New York, N. Y. Gearing. No. 1,078,837; Nov. 18; Gaz. vol. 196; p. 614.
- Curtis, Charles G., New York, N. Y. Steam prime mover for marine propulsion. No. 1,078,838; Nov. 18; Gaz. vol. 196; p. 614.
- Curtis & Company Manufacturing Company. (See Steedman, Edwin H., assignor.)
- Curtis, Edward F. (See Curtis, William S. and E. F.)
- Curtis, Emsley. (See Curtis, William W., assignor.)
- Curtis, George V., assignor to Baush Machine Tool Company, Springfield, Mass. Shaft flexible coupling. No. 1,070,233; Aug. 12; Gaz. vol. 193; p. 423.
- Curtis, George W., Oakland, Cal. Mail-bag holder. No. 1,073,402; Sept. 16; Gaz. vol. 194; p. 668.
- Curtis, Harry C. (See Dudson, John E., assignor.)
- Curtis, Harry H., Paris, Ill. Machine for evening broom-corn. No. 1,076,025; Oct. 21; Gaz. vol. 195; p. 549.
- Curtis, James G. (See Hulse and Curtis.)
- Curtis, James J., New York, N. Y. Conveyor. No. 1,079,218; Nov. 18; Gaz. vol. 196; p. 745.
- Curtis, John W., and M. M. Parker, Wilmington, N. C. Rotary engine. No. 1,058,157; Apr. 8; Gaz. vol. 189; p. 306.
- Curtis, Lewis A., and E. H. Hall, Alameda, Cal. Washing-machine. No. 1,078,486; Nov. 11; Gaz. vol. 196; p. 460.
- Curtis, Lewis B., Bridgeport, Conn. Pipe-threading machine. No. 1,072,830; Sept. 9; Gaz. vol. 194; p. 427.
- Curtis, Lewis E., Kenilworth, Ill., assignor to Ames Steel Lath Company, St. Louis, Mo. Machine for slitting sheet metal. No. 1,071,712; Sept. 2; Gaz. vol. 194; p. 14.
- Curtis Machine Corporation. (See Lucas, Louis, assignor.)
- Curtis & Marble Machine Co. (See Butler, Edward F., Sr., assignor.)
- Curtis, Myron S., Youngstown, Ohio. Pipe-pickling apparatus. No. 1,066,800; July 8; Gaz. vol. 192; p. 342.
- Curtis Publishing Company, The. (See Martin, John C., assignor.)
- Curtis Publishing Company, The. (See Sargent, William P., assignor.)
- Curtis, William J., New York, N. Y. Adjustable support for beds. No. 1,059,842; Apr. 22; Gaz. vol. 189; p. 954.
- Curtis, William S. and E. F., Portland, Oreg. Dredge. No. 1,056,633; Mar. 18; Gaz. vol. 188; p. 739.
- Curtis, William T. (See Clausen and Curtis.)
- Curtis, William W., assignor of one-half to E. Curtis. Independence, Mo. Combined plow and pulverizing-machine. No. 1,070,423; Aug. 19; Gaz. vol. 193; p. 530.
- Curtiss, Allen H., Conneaut, Ohio. Spout-closure for receptacles. No. 1,077,677; Nov. 4; Gaz. vol. 196; p. 150.
- Curtiss, Frederick A., *et al.* (See Reichhelm, George L., assignor.)
- Curtland, Herbert. (See Clark and Curtland.)
- Curwen, Henry R., Ingram, Pa. Steering and braking mechanism for sleds. No. 1,055,883; Mar. 11; Gaz. vol. 188; p. 449.
- Cusenza, Salvatore. (See Brown and Cusenza.)
- Cushing, James R., deceased; M. K. Cushing, administratrix, Columbus, Ohio. Steam-boiler. No. 1,072,831; Sept. 9; Gaz. vol. 194; p. 427.
- Cushing, Mary K., administratrix. (See Cushing, James R.)
- Cushion Corner Bed Spring Company. (See Manson, Louis H., assignor.)
- Cushman, Amos A., Butler, Ohio. Paper-hanging device. No. 1,063,861; June 3; Gaz. vol. 191; p. 236.
- Cushman & Denison Manufacturing Company. (See Alsenz, Julius, assignor.)
- Cushman, Everett B., Lincoln, Nebr. Agricultural machine. No. 1,082,847; Dec. 30; Gaz. vol. 197; p. 1132.
- Cushman, Everett B., assignor to Cushman Motor Works, Lincoln, Nebr. Motor-supporting bracket for harvesting-machines. No. 1,073,099; Sept. 16; Gaz. vol. 194; p. 561.
- Cushman, Leslie S., Los Angeles, Cal. Traction-vehicle. No. 1,080,101; Dec. 2; Gaz. vol. 197; p. 64.
- Cushman Motor Works. (See Cushman, Everett B., assignor.)
- Cushman, William F. (See Coffin, Joseph G., assignor.)
- Cusson, Japhet S., De Kalb, Ill. Checkrein fastener or holder. No. 1,079,639; Nov. 25; Gaz. vol. 196; p. 919.
- Cusson, Japhet S., De Kalb, Ill. Harness back-pad. No. 1,080,895; Dec. 9; Gaz. vol. 197; p. 372.
- Custard, Cornelius R. (See Williams, John T. B., assignor.)
- Custer, Edgar A., Philadelphia, Pa. Manganese-steel casting and producing the same. No. 1,066,258; July 1; Gaz. vol. 192; p. 127.
- Custer, George M., Mattoon, Ill. Convertible vehicle. No. 1,075,336; Oct. 14; Gaz. vol. 195; p. 285.
- Cutler, Clifford A., *et al.* (See Winkler, Frederick G., assignor.)
- Cutler, David, Troy, N. Y. Receptacle. No. 1,065,922; July 1; Gaz. vol. 192; p. 6.

Alphabetical list of patentees—Continued.

- Cutler, David, Baltimore, Md. Hat-pin. No. 1,076,353; Oct. 21; Gaz. vol. 195; p. 662.
- Cutler, David A., Mount Vernon, N. Y. Devulcanizing rubber. No. 1,078,086; Nov. 11; Gaz. vol. 196; p. 321.
- Cutler-Hammer Clutch Company. (See Rowell, Lewis D., assignor.)
- Cutler-Hammer Mfg. Co., The. (See Barnum, Thomas E., assignor.)
- Cutler-Hammer Mfg. Co., The. (See Berresford, Arthur W., assignor.)
- Cutler-Hammer Mfg. Co., The. (See Henderson, Clark T., assignor.)
- Cutler-Hammer Mfg. Co., The. (See Horton, Albert J., assignor.)
- Cutler-Hammer Mfg. Co., The. (See Reisbach, Gustave B., assignor.)
- Cutler-Hammer Mfg. Co., The. (See Schureman, Jacob L., assignor.)
- Cutler-Hammer Mfg. Co., The. (See Simon, Arthur, assignor.)
- Cutler-Hammer Mfg. Co., The. (See Tatum, Lewis L., assignor.)
- Cutler-Hammer Mfg. Co., The. (See Tower, Edwin B. H., Jr., assignor.)
- Cutler-Hammer Mfg. Co., The. (See Wiegand, Henry J., assignor.)
- Cutler-Hammer Mfg. Co., The. (See Wirt, Charles, assignor.)
- Cutler, Harry, Pittsburgh, Pa. Trolley-wheel construction. No. 1,061,989; May 20; Gaz. vol. 190; p. 562.
- Cutler, John A. (See Evens, Leo E., assignor.)
- Cutler, L. D., Windsor Locks, Conn. Eyeglass-mounting. No. 1,053,716; Feb. 18; Gaz. vol. 187; p. 719.
- Cutler, L. D., Windsor Locks, Conn. Goggles. No. 1,082,480; Dec. 23; Gaz. vol. 197; p. 968.
- Cutler, Lawrence, Pittsburgh, Pa. Wrench. No. 1,082,112; Dec. 23; Gaz. vol. 197; p. 844.
- Cutler, Samuel C., and W. H. Brown, Cleveland, Ohio. Lubricator. No. 1,065,345; June 24; Gaz. vol. 191; p. 843.
- Cuttan, Elisha B., Erie, Pa. Reducing zinc compounds. No. 1,080,102; Dec. 2; Gaz. vol. 197; p. 64.
- Cutter Electrical and Manufacturing Company, The. (See Scott, William M., assignor.)
- Cutter, George A., Taunton, Mass., assignor to Cell Drier Machine Company. Drying-machine. No. 1,052,896; Feb. 11; Gaz. vol. 187; p. 391.
- Cutter, George A., Taunton, assignor to Stone & Webster, Boston, Mass. Lever-brace. No. 1,079,912; Nov. 25; Gaz. vol. 196; p. 1016.
- Cutting, Francis. (See Esterberg, William, assignor.)
- Cutting, Philip F., San Francisco, Cal. Means of identifying railway-tickets. No. 1,076,750; Oct. 28; Gaz. vol. 195; p. 856.
- Cuvellier, Louis, assignor of one-half to R. E. Verge, Halifax, Nova Scotia, Canada. Reversible heel. No. 1,062,538; May 20; Gaz. vol. 190; p. 745.
- Cyphers Incubator Company. (See Adair, Charles E., assignor.)
- Cyr, Joseph T., Worcester, Mass., and J. K. Dalkranian, Weehawken Heights, N. J.; said Dalkranian assignor to United States Persian Carpet Company and said Cyr assignor to Crompton & Knowles Loom Works. Pile-cutting mechanism for tuft-fabric looms. No. 1,077,242; Oct. 28; Gaz. vol. 195; p. 1021.
- Czapas, Stanislaw, Brockton, Mass. Escapement. No. 1,080,896; Dec. 9; Gaz. vol. 197; p. 372.
- Czaran, Otto, New York, N. Y. Catamenial appliance. No. 1,052,218; Feb. 4; Gaz. vol. 187; p. 130.
- Czokowski, Stanislaw. (See Jendrusik, Aleksander, assignor.)
- D. H. Burrell & Company. (See Dalzell and Feldmeier, assignors.)
- D. H. Burrell & Company. (See Feldmeier and Dalzell, assignors.)
- D. H. Burrell & Company. (See Hoyt, Matthew L., assignor.)
- D. H. Burrell & Company. (See Miner, Ralph K., assignor.)
- D. M. Sechler Implement & Carriage Company. (See Englund, Ernst E., assignor.)
- D. T. Owen Company, The. (See Brown, Edward N., assignor.)
- D. & W. Fuse Co. (See Downes and Faxon, assignors.)
- D & W Fuse Company. (See Patton, Ralph C., assignor.)
- D'Aix, Fritz C. L., New York, N. Y. Typographic machine. No. 1,062,770; May 27; Gaz. vol. 190; p. 864.
- D'Aix, Fritz C. L., New York, N. Y. Line-casting machine. No. 1,065,329; June 17; Gaz. vol. 191; p. 800.
- D'Aix, Fritz C. L., Brooklyn, N. Y. Typographic machine. No. 1,083,195; Dec. 30; Gaz. vol. 197; p. 1243.
- D'Amours, Léon, Trois Pistoles, Quebec, Canada. Lubricator for vehicle-wheels. No. 1,075,551; Oct. 14; Gaz. vol. 195; p. 360.
- D'Harveng, Jules, Liege, Belgium. Two-cycle explosion-motor. No. 1,081,492; Dec. 16; Gaz. vol. 197; p. 608.
- D'Isepo, Giuseppe A., Passaic, N. J. Clothes-line support. No. 1,057,715; Apr. 1; Gaz. vol. 189; p. 109.
- D'Orbessan, Fernand, Ozone Park, N. Y. Flying-machine. No. 1,052,803; Feb. 11; Gaz. vol. 187; p. 360.
- D'Orsogna, Louis S., and P. Cane, Philadelphia, Pa. Pattern for drafting garments. No. 1,078,576; Nov. 11; Gaz. vol. 196; p. 490.
- D'Orsogna, Louis S., and P. Cane, Coney Island, assignors to N. D'Orsogna, Brooklyn, N. Y. Pattern for drafting and fitting garments. No. 1,078,087; Nov. 11; Gaz. vol. 196; p. 322.
- D'Orsogna, Nicholas. (See D'Orsogna and Cane, assignors.)
- D'Oultremont, Pierre, Brussels, Belgium. Lubricator. No. 1,052,982; Feb. 4; Gaz. vol. 187; p. 46.
- D'Urso, Vito E., New York, N. Y. Dress-form. No. 1,069,055; July 29; Gaz. vol. 192; p. 1221.
- Da Costa, Albert, Frankfort, N. Y. Cooler for liquid-dispensing apparatus. No. 1,065,666; June 24; Gaz. vol. 191; p. 953.
- Dade, Thomas G., Kansas City, Mo. Caster. No. 1,051,697; Jan. 28; Gaz. vol. 186; p. 912.
- Daellenbach, Carl R., Ellwood City, Pa. Carbureter. No. 1,053,136; Feb. 11; Gaz. vol. 187; p. 474.
- Daft, Joseph, Eden Vale, Cal. Lighting device. No. 1,063,187; June 3; Gaz. vol. 191; p. 7.
- Daft, Leo, Rutherford, N. J., assignor to Electro-Chemical Rubber & Manufacturing Company. Attaching rubber to metals. No. 1,057,333; Mar. 25; Gaz. vol. 188; p. 1007.
- Daft, Leo, Rutherford, N. J., assignor to Electro-Chemical Rubber & Manufacturing Company. Attaching rubber to metals. No. 1,057,334; Mar. 25; Gaz. vol. 188; p. 1008.
- Dagenhart, Christopher J. (See Riphan, Henry E., assignor.)
- Daggett, Hannah E., Souris, Manitoba, Canada. Umbrella. No. 1,051,698; Jan. 28; Gaz. vol. 186; p. 912.
- Dague, Morton H., Newport, Ark. Envelop. No. 1,060,431; Apr. 29; Gaz. vol. 189; p. 1201.
- Dahan, Anton M. (See Adamian and Dahan.)
- Dahl, Benjamin, Minneapolis, Minn. Conduit fish-wire machine. No. 1,076,870; Oct. 28; Gaz. vol. 195; p. 898.
- Dahl, Bennie, Brantford, N. D. Draft attachment. No. 1,082,010; Dec. 23; Gaz. vol. 197; p. 810.
- Dahl, Hans, and M. Martin, Berlin, Germany; said Martin assignor to said Dahl. Clockwork for speed-indicators. No. 1,069,234; Aug. 5; Gaz. vol. 193; p. 53.
- Dahl, Harry J., Philadelphia, Pa., assignor to Union Special Machine Company, Chicago, Ill. Ruffling attachment. No. 1,049,680; Jan. 7; Gaz. vol. 186; p. 124.
- Dahl, James. (See Lafquist and Dahl.)
- Dahl, Knut M., assignor to Union Iron Works Co., San Francisco, Cal. Firing boilers or furnaces by hydrocarbon. No. 1,055,715; Mar. 11; Gaz. vol. 188; p. 392.
- Dahl, Knut M., assignor to Union Iron Works Co., San Francisco, Cal. Heater or condenser. No. 1,068,742; July 29; Gaz. vol. 192; p. 1113.
- Dahl, Knut M., assignor to Union Iron Works Co., San Francisco, Cal. Closure for hand-holes. No. 1,068,743; July 29; Gaz. vol. 192; p. 1113.
- Dahl, Knut M., assignor to Union Iron Works Co., San Francisco, Cal. Oil-burning furnace. No. 1,068,744; July 29; Gaz. vol. 192; p. 1114.
- Dahl, Knut M., assignor to Union Iron Works Co., San Francisco, Cal. Means for connecting pipes with heads, &c. No. 1,072,208; Sept. 2; Gaz. vol. 194; p. 183.
- Dahl Manufacturing Company. (See Gasstrom, Herman, assignor.)
- Dahl, Mens A., Hartford, Conn. Engraver's ruling-machine tool-holder. No. 1,051,564; Jan. 28; Gaz. vol. 186; p. 869.
- Dahl, Ole M. (See Uchtmann, Weet R., assignor.)
- Dahl, Walter B., Minneapolis, Minn. Ring-tray. No. 1,063,662; June 3; Gaz. vol. 191; p. 171.
- Dahl, William, Funkstown, Md. Railway-tie. No. 1,054,281; Feb. 25; Gaz. vol. 187; p. 945.
- Dahlberg, Albin, Des Moines, Iowa. Curtain-holder. No. 1,056,325; Mar. 18; Gaz. vol. 188; p. 632.
- Dahlberg, Charles L., Des Moines, Iowa. Note-book holder. No. 1,069,859; Aug. 12; Gaz. vol. 193; p. 296.
- Dahlberg, Daniel, assignor of one-third to J. Carlson, Braham, Minn. Wrench. No. 1,074,412; Sept. 30; Gaz. vol. 194; p. 1061.
- Dahlgren, John W. (See Fischer and Dahlgren.)
- Dahlgren, Leonard, assignor to Aetna Manufacturing Company, Attleboro, Mass. Cuff-link. No. 1,060,066; Apr. 29; Gaz. vol. 189; p. 1072.
- Dahlke, Oskar, Charlottenberg, Germany, assignor to General Electric Company. Shaft-packing. No. 1,080,751; Dec. 9; Gaz. vol. 197; p. 321.
- Dahlmann, Wilhelm. (See Gohlke and Dahlmann.)
- Dailey, Fred A., St. Paul, Minn. Plastic packing. No. 1,056,010; Mar. 18; Gaz. vol. 188; p. 526.

Alphabetical list of patentees—Continued.

- Dailey, John, and D. Bertolino, Hepzibah, W. Va. Cable-saving device. No. 1,075,405; Oct. 14; Gaz. vol. 195; p. 309.
- Dailey, Russell L., Kansas City, Kans. Oil-burner. No. 1,077,678; Nov. 4; Gaz. vol. 196; p. 150.
- Daimler Motoren-gesellschaft. (See Daimler, Paul, assignor.)
- Daimler Motoren-gesellschaft. (See Daimler and Heess, assignors.)
- Daimler, Paul, Cannstatt, assignor to Daimler Motoren-gesellschaft, Untertürkheim-Stuttgart, Germany. Lubricating system. No. 1,050,811; Jan. 21; Gaz. vol. 186; p. 576.
- Daimler, Paul, Cannstatt, assignor to Firm of Daimler-Motoren-Gesellschaft, Untertürkheim, Germany. Engine-cooling system. No. 1,066,714; July 8; Gaz. vol. 192; p. 313.
- Daimler, Paul, and A. Heess, Cannstatt, assignors to Daimler Motoren-gesellschaft, Stuttgart-Untertürkheim, Germany. Lubricating system. No. 1,050,108; Jan. 14; Gaz. vol. 186; p. 302.
- Dain, Arthur L. (See Gage, Will V., assignor.)
- Dain, Joseph, Ottumwa, Iowa. Motor-vehicle. No. 1,082,504; Dec. 30; Gaz. vol. 197; p. 1011.
- Daines, Edwin U., Detroit, Mich. Window-cleaning device. No. 1,072,832; Sept. 9; Gaz. vol. 194; p. 428.
- Dairy Machinery and Construction Company. (See Becker, John G., assignor.)
- Dairy Machinery and Construction Company. (See Willmann, Joseph, assignor.)
- Dairymen's Manufacturing Company. (See Peacock, Edward M., assignor.)
- Dairymen's Supply Company, The. (See Wood and Steer, assignors.)
- Daisy Mfg. Company. (See Williams, Maurice O., assignor.)
- Dake, Charles W., assignor to Pyle-National Electric Headlight Company, Chicago, Ill. Turbine-bucket. No. 1,063,331; June 3; Gaz. vol. 191; p. 55.
- Dake Engine Co. (See Zellar, Frederick J., assignor.)
- Dakin, Ernest F., Worcester, Mass. Sash-lock. No. 1,055,716; Mar. 11; Gaz. vol. 188; p. 392.
- Dakin, Francis J. V., trustee. (See Cole, Albert L., assignor.)
- Dakota Farm Machine Company. (See Veitl, Albert, assignor.)
- Dale, Albert C., Longbeach, Cal. Oil-gas generator and burner. No. 1,069,860; Aug. 12; Gaz. vol. 193; p. 296.
- Dale, David, Chicago, Ill. Railway signal system. No. 1,076,552; Oct. 21; Gaz. vol. 195; p. 732.
- Dalén, Gustaf, Stockholm, Sweden. Incandescent gas-light burner. No. 1,057,943; Apr. 1; Gaz. vol. 189; p. 186.
- Dalén, Gustaf, Stockholm, Sweden, assignor to American Gasaccumulator Company, Philadelphia, Pa. Light-signal apparatus. No. 1,079,544; Nov. 25; Gaz. vol. 196; p. 885.
- Daley, Dennis W. and F. R., Parkersburg, W. Va. Hot-water system. No. 1,061,359; May 13; Gaz. vol. 190; p. 307.
- Daley, Frank R. (See Daley, Dennis W. and F. R.)
- Daley, Fred A. (See Albright, Chester W., assignor.)
- Daley, Hugh, Chicago, Ill. Hydrocarbon-burner. No. 1,077,260; Nov. 4; Gaz. vol. 196; p. 6.
- Daley, John J., Chicago, Ill. Gas-controlling device. No. 1,056,887; Mar. 25; Gaz. vol. 188; p. 856.
- Daley, Walter A., Chicago, Ill. Sewing-machine attachment. No. 1,069,235; Aug. 5; Gaz. vol. 193; p. 53.
- Dalfond, Octavien, Fall River, Mass. Hand-threading shuttle. No. 1,053,160; Feb. 18; Gaz. vol. 187; p. 526.
- Dalfond, Octavien, Fall River, Mass., assignor to The Standard Equipment Company. Automatic friction let-off. No. 1,064,294; June 10; Gaz. vol. 191; p. 419.
- Dalkranian, James K. (See Clark and Dalkranian.)
- Dalkranian, James K. (See Cyr and Dalkranian.)
- Dalkranian, James K. (See Le Doux and Dalkranian.)
- Dall, Charles W., Waukesha, Wis. Oil-burner attachment for stoves. No. 1,070,587; Aug. 10; Gaz. vol. 193; p. 587.
- Dall, William, Dunedin, New Zealand. Fence-dropper. No. 1,075,769; Oct. 14; Gaz. vol. 195; p. 433.
- Dallis, Roy. (See Austin and Dallis.)
- Dallwig, Ernst, Königsberg, Germany. Organ. No. 1,071,888; Sept. 2; Gaz. vol. 194; p. 76.
- Dalmar, Richard. (See Wander and Dalmar.)
- Dalpez, Matteo L., Telluride, Colo. Cuspidor. No. 1,055,141; Mar. 4; Gaz. vol. 188; p. 164.
- Dalton Adding Machine Company. (See Brown, Byron E., assignor.)
- Dalton Adding Machine Company. (See Clayton, William H., assignor.)
- Dalton Adding Machine Company. (See Dorman and Clayton, assignors.)
- Dalton Adding Machine Company. (See Landsiedel, Harry, assignor.)
- Dalton Adding Machine Company. (See Raber, Joseph, assignor.)
- Dalton, Harold G., Chester, Pa. Cushion-tire. No. 1,058,559; Apr. 8; Gaz. vol. 189; p. 444.
- Dalton, Harry M. (See Conklin, Charles M., assignor.)
- Dalton, Philip J., Joliet, Ill., assignor to The Rail Joint Company, New York, N. Y. Rail-joint. No. 1,068,631; July 29; Gaz. vol. 192; p. 1075.
- Dalton, William, Schenectady, N. Y. Steam-boiler superheater. No. 1,070,018; Aug. 12; Gaz. vol. 193; p. 349.
- Dalton, William, Schenectady, N. Y. Steam-engine valve-reversing gear. No. 1,073,403; Sept. 16; Gaz. vol. 194; p. 668.
- Dalton, William, Schenectady, N. Y. Steam-engine valve-reversing gear. No. 1,078,774; Nov. 18; Gaz. vol. 196; p. 593.
- Daly, Charles J., Philadelphia, Pa. Handle or lever for air-brake valves. No. 1,064,888; June 17; Gaz. vol. 191; p. 655.
- Daly, Charles M., and G. A. Weidhaas, New York, N. Y. Moving-eye figure. No. 1,061,965; May 13; Gaz. vol. 190; p. 512.
- Daly, George A., Klamath Falls, Oreg. Sawing apparatus. No. 1,053,578; Feb. 18; Gaz. vol. 187; p. 671.
- Daly, Henry F. (See Fritz, Henry L., assignor.)
- Daly, John J., New Brunswick, assignor to P. J. Quilty, deceased, Newark, N. J.; C. Quilty, administratrix. Sprinkler-head for fire-extinguishers. No. 1,051,865; Feb. 4; Gaz. vol. 187; p. 6.
- Daly, William O., Mobile, Ala. Washboard. No. 1,055,142; Mar. 4; Gaz. vol. 188; p. 165.
- Dalzell, Charles B. (See Feldmeier and Dalzell.)
- Dalzell, Charles B., and H. Feldmeier, assignors to D. H. Burrell & Company, Little Falls, N. Y. Liquid cooler or heater. No. 1,067,505; July 15; Gaz. vol. 192; p. 618.
- Dam, Andrew C., and A. Marshall, New York, N. Y. Valve device for internal-combustion engines. No. 1,068,632; July 29; Gaz. vol. 192; p. 1075.
- Damaizin, Frédéric J., and J. Pujos, assignors to Société Anonyme l'Evolution Automobile (Brevets D & P), Paris, France. Change-speed gearing. No. 1,050,522; Jan. 14; Gaz. vol. 186; p. 446.
- Damascus Brake Beam Company, The. (See Handiges, Philip T., assignor.)
- Dambaugh, William P. (See Rucker and Dambaugh.)
- Daminaitis, Charles, Cleveland, Ohio. Time-controlled stock-feeder. No. 1,076,193; Oct. 21; Gaz. vol. 195; p. 606.
- Damm, James, Manitowoc, Wis. Car-door. No. 1,050,109; Jan. 14; Gaz. vol. 186; p. 303.
- Damman, Harold H., Ellensburg, Wash. Excavating-machine. No. 1,082,011; Dec. 23; Gaz. vol. 197; p. 810.
- Damon, George B., Glenside, Pa., assignor, by mesne assignments, to Lehigh Coal & Navigation Co. Apparatus for separating fine coal and the waste materials thereof. No. 1,072,833; Sept. 9; Gaz. vol. 194; p. 428.
- Dana, George F., Cincinnati, Ohio. Mop-wringer. No. 1,071,144; Aug. 26; Gaz. vol. 193; p. 805.
- Dana, John, Burwell, Nebr. Cushion-tire for vehicles. No. 1,059,122; Apr. 15; Gaz. vol. 189; p. 678.
- Dana, William H., assignor to L. Rauh, Dayton, Ohio. Voting-machine. No. 1,062,893; May 27; Gaz. vol. 190; p. 905.
- Dana, Woodbury K., Westbrook, Me. Vacuum-head for cotton-picking machines. No. 1,067,802; July 22; Gaz. vol. 192; p. 752.
- Danberg, John J., assignor of one-half to J. Pierzina, Beach, N. D. Hose-coupling. No. 1,051,805; Jan. 28; Gaz. vol. 186; p. 947.
- Dance, Harry C., York, Pa. Interchangeable flat-back front tooth. No. 1,064,963; June 17; Gaz. vol. 191; p. 680.
- Dancy, Lucius H., Holly Springs, Miss. Fountain-comb. No. 1,058,560; Apr. 8; Gaz. vol. 189; p. 444.
- Dandás, Julius, Altoona, Pa., assignor of one-half to J. Szalay, New York, N. Y. Violin-bow. No. 1,068,985; July 29; Gaz. vol. 192; p. 1198.
- Danenbower, Sloan, Bridgeport, Conn. Visual signal for submarines. No. 1,057,223; Mar. 25; Gaz. vol. 188; p. 973.
- Dancy, Guillaume L., Paris, France. Extinguishing fires. No. 1,062,894; May 27; Gaz. vol. 190; p. 906.
- Danforth, Eugene, Montreal, Quebec, Canada. Horse-blanket fastener. No. 1,063,121; May 27; Gaz. vol. 190; p. 980.
- Danforth, George L., Jr., Chicago, Ill. Treatment of slag. No. 1,058,158; Apr. 8; Gaz. vol. 189; p. 306.
- Danforth, George L., Jr., Chicago, Ill. Treatment of slag. No. 1,071,605; Aug. 26; Gaz. vol. 193; p. 958.
- Dangerfield, James. (See Collier, Arthur T., assignor.)
- Dangleman, George H., Philadelphia, Pa. Shock-absorber. No. 1,077,124; Oct. 28; Gaz. vol. 195; p. 984.
- Danglo, Aaron, and L. Resch, New York, N. Y. Window-shade fixture. No. 1,068,222; July 22; Gaz. vol. 192; p. 895.
- Danhauer, William E. (See Kollenberg, Frederick G., assignor.)
- Daniel, Bessie E., Kurtz, Ind. Buzz-ball. No. 1,076,354; Oct. 21; Gaz. vol. 195; p. 663.
- Daniel, Frederick H. (See Poole, Robert M., assignor.)
- Daniel, George, and E. G. Lewis, Mabscott, W. Va. Registering car-lock. No. 1,062,539; May 20; Gaz. vol. 190; p. 745.
- Daniel Green Felt Shoe Company. (See Green, James A., assignor.)

Alphabetical list of patentees—Continued.

- Daniel, James E., Texarkana, Tex. Cooking-range. No. 1,078,722; Nov. 18; Gaz. vol. 196; p. 573.
- Daniel, Paul, Jamaica, N. Y. Fire-extinguisher. No. 1,067,803; July 22; Gaz. vol. 192; p. 752.
- Daniel, Robert E., Spartanburg, S. C. Foot-cushion for sewing-machines. No. 1,066,381; July 1; Gaz. vol. 192; p. 167.
- Daniel, Robert O., Dodsonville, Tex. Ribbon-cabinet. No. 1,083,196; Dec. 30; Gaz. vol. 197; p. 1244.
- Daniel, William H., Birmingham, Ala. Water cut-off. No. 1,067,409; July 15; Gaz. vol. 192; p. 586.
- Daniell, Frederick H. (See Hebden and Daniell.)
- Daniell, Mary B., executrix. (See Hebden and Daniell.)
- Daniels, Adelbert W., Morrison, Ill. Cultivator and plow attachment. No. 1,074,166; Sept. 30; Gaz. vol. 194; p. 979.
- Daniels, Daniel, and L. P. Burgess, Los Angeles, Cal. Means for testing pump-barrels. No. 1,059,598; Apr. 22; Gaz. vol. 189; p. 875.
- Daniels, Harry H., Winthrop, Mass., assignor to J. W. Campbell, New York, N. Y. Vending-machine. No. 1,056,508; Mar. 18; Gaz. vol. 188; p. 697.
- Daniels, Harry H., Winthrop, Mass., assignor to J. W. Campbell, Teaneck, N. J. Vending-machine. No. 1,056,509; Mar. 18; Gaz. vol. 188; p. 697.
- Daniels, Harvey C., Grand Rapids, Mich. Dump-wagon. No. 1,064,448; June 10; Gaz. vol. 191; p. 473.
- Daniels, Herbert A., Simeon, Nebr. Hay-stacker. No. 1,071,511; Aug. 26; Gaz. vol. 193; p. 927.
- Daniels, Margarette M., Dalton, Nebr. Jump-seat for go-carts. No. 1,062,227; May 20; Gaz. vol. 190; p. 644.
- Daniels, Parvis C., assignor to Burk Brothers, Philadelphia, Pa. Leather-staking machine. No. 1,055,717; Mar. 11; Gaz. vol. 188; p. 392.
- Daniels, Taylor E. (See Ogle, Harley A., assignor.)
- Daniels, Walter S., New York, N. Y. Flower-holder. No. 1,081,097; Dec. 9; Gaz. vol. 197; p. 436.
- Daniels, Winfield S., Dallas, Tex. Spike. No. 1,066,471; July 8; Gaz. vol. 192; p. 226.
- Danielsen, Wilhelm G., Independence, Mo. Gear for connecting and guiding gang-plow frames. No. 1,068,570; July 29; Gaz. vol. 192; p. 1052.
- Danielson, Arthur C., Colfax, Wis. Folding chicken-coop. No. 1,080,542; Dec. 9; Gaz. vol. 197; p. 250.
- Danielson, Carl G., Kansas City, Mo. Metallic door. No. 1,082,071; Dec. 23; Gaz. vol. 197; p. 831.
- Danielson, Charles, Cannon Falls, Minn. Ironing-board. No. 1,073,404; Sept. 16; Gaz. vol. 194; p. 669.
- Danielson, Charles, Cannon Falls, Minn. Folding combined washbench and ironing-board support. No. 1,080,956; Dec. 9; Gaz. vol. 197; p. 392.
- Danielson, Charles, Cannon Falls, Minn. Convertible davenport, reclining-couch, and bed. No. 1,082,680; Dec. 30; Gaz. vol. 197; p. 1074.
- Danison, Arthur, Blue Earth, Minn. Corn-popper. No. 1,067,226; July 8; Gaz. vol. 192; p. 487.
- Dankberg, Moses, New York, N. Y., assignor to B. Glassner, Newark, N. J. Masticating-machine. No. 1,056,153; Mar. 18; Gaz. vol. 188; p. 575.
- Dankmyer, Frederick C. (See Miller and Dankmyer.)
- Dann, Charles H., Brookfield, and L. Duris, Chicago, Ill. Sewing-machine. No. 1,051,313; Jan. 21; Gaz. vol. 186; p. 750.
- Dann, Duane, Chicago, Ill. Indicator for automobiles. No. 1,050,812; Jan. 21; Gaz. vol. 186; p. 577.
- Danner, William E., Perth, Ontario, Canada. Tooth-powder. No. 1,082,681; Dec. 30; Gaz. vol. 197; p. 1075.
- Danquard, Thomas, New York, N. Y., assignor to Auto Pneumatic Action Co. Indicator for note-sheets. No. 1,058,041; Apr. 8; Gaz. vol. 189; p. 264.
- Dansereau, Prime J., assignor to Eaton, Crane & Pike Co., Pittsfield, Mass. Imprinting attachment for envelop-machines. No. 1,062,895; May 27; Gaz. vol. 190; p. 906.
- Dansey, John G., Topeka, Kans. Door-securer. No. 1,064,449; June 10; Gaz. vol. 191; p. 473.
- Danuser, Florian, Tacoma, Wash. Lamp-burner. No. 1,083,060; Dec. 30; Gaz. vol. 197; p. 1203.
- Danver, James H., Beaver, assignor to United States Sanitary Manufacturing Company, Pittsburgh, Pa. Lavatory, sink, &c. No. 1,070,424; Aug. 19; Gaz. vol. 193; p. 531.
- Danzenbaker, Francis, Norfolk, Va. Entrance bee-feeder. No. 1,056,266; Mar. 18; Gaz. vol. 188; p. 614.
- Danzer, Henry, Paris, France. Recovering the material of the support of cinematographic films and waste portions of the same. No. 1,065,115; June 17; Gaz. vol. 191; p. 730.
- Daoust, John, assignor of one-half to L. E. White and one-half to W. E. Hover, Charleston, W. Va. Ironing-table. No. 1,050,920; Jan. 21; Gaz. vol. 186; p. 617.
- Darby, Harry W. (See West and Darby.)
- Darby, John, Summit, N. J. Lamp-socket. No. 1,056,154; Mar. 18; Gaz. vol. 188; p. 575.
- Darby, John, Summit, N. J. Lamp-socket. No. 1,075,463; Oct. 14; Gaz. vol. 195; p. 330.
- Darby, John, Summit, and C. D. Meeker, Orange, N. J. Lamp-socket. No. 1,076,026; Oct. 21; Gaz. vol. 195; p. 549.
- Darby, Levi I., Newark, N. J., assignor to Darby Machine Company. Adding-machine. No. 1,068,384; July 22; Gaz. vol. 192; p. 951.
- Darby Machine Company. (See Darby, Levi I., assignor.)
- Darche, James, Corpus Christi, Tex. Airship. No. 1,050,921; Jan. 21; Gaz. vol. 186; p. 617.
- Dardeau, Léon J. M., Paris, France. Variable-combination key for safety-locks. No. 1,070,329; Aug. 12; Gaz. vol. 193; p. 456.
- Dardeau, Léon J. M., Paris, France. Safety device with combinations for locks of all kinds. No. 1,083,061; Dec. 30; Gaz. vol. 197; p. 1203.
- Darden, Mills W. (See Eisenhart and Darden.)
- Dare, Arthur, Philadelphia, Pa. Device for muffling sounds. No. 1,081,490; Dec. 16; Gaz. vol. 197; p. 608.
- Dare, Lisle J., Spokane, Wash. Wall construction. No. 1,080,002; Dec. 2; Gaz. vol. 197; p. 29.
- Dargin, Percy W., Denver, Colo. Adjustable binder. No. 1,082,848; Dec. 30; Gaz. vol. 197; p. 1132.
- Darling, Albert C., Jr., Lodi, N. Y. Countersinking-drill. No. 1,070,425; Aug. 19; Gaz. vol. 193; p. 531.
- Darling, Arthur R., assignor to Edwards Instrument Company, Indianapolis, Ind. Holder for high-tension electrodes. No. 1,078,597; Nov. 11; Gaz. vol. 196; p. 497.
- Darling, Frank, Plano, Ill. Combined snow plow and shovel. No. 1,049,812; Jan. 7; Gaz. vol. 186; p. 168.
- Darling, Jess M. (See Bryant and Darling.)
- Darlington, Benjamin, Vaughan, W. Va. Coffee-pot attachment. No. 1,053,015; Feb. 11; Gaz. vol. 187; p. 432.
- Darlington, Philip J., Plainville, Conn. Rotary fluid-pressure motor. No. 1,070,588; Aug. 19; Gaz. vol. 193; p. 588.
- Darlington, Philip J., Pittsburgh, Pa. Rotary motor. No. 1,071,145; Aug. 26; Gaz. vol. 193; p. 805.
- Darnall, Benjamin P., San Antonio, Tex. Roof-jack. No. 1,054,091; Feb. 25; Gaz. vol. 187; p. 880.
- Darnall, Carl R., Washington, D. C. Apparatus for purifying water. No. 1,060,669; May 6; Gaz. vol. 190; p. 35.
- Darqué, Etienne M., Clichy, France. Tin-box opener. No. 1,082,800; Dec. 30; Gaz. vol. 197; p. 1116.
- Darrin, Charles B. and M., Bellingham, Wash. Retort. No. 1,074,104; Sept. 30; Gaz. vol. 194; p. 959.
- Darrin, David H., New York, N. Y., assignor to Automatic Switch Company. Regulating apparatus. No. 1,050,431; Jan. 14; Gaz. vol. 186; p. 413.
- Darrin, Marc. (See Darrin, Charles B. and M.)
- Darrow, Edward N., Homer, Mich. Gyroscope. No. 1,075,770; Oct. 14; Gaz. vol. 195; p. 433.
- Darrow, Henry W., Chicago, Ill., assignor, by mesne assignments, to F. Muser, New York, N. Y. Cylinder washing-machine. No. 1,077,043; Oct. 28; Gaz. vol. 195; p. 960.
- Darrow, William W., Chicago, Ill. Mechanism for opening doors of freight-cars. No. 1,081,294; Dec. 16; Gaz. vol. 197; p. 541.
- Darrow, Wilton E., Sutter Creek, Cal. Pulp-distributor. No. 1,078,775; Nov. 18; Gaz. vol. 196; p. 593.
- Darrow, Wilton E., Amador City, Cal. Aerating solutions. No. 1,081,436; Dec. 16; Gaz. vol. 197; p. 589.
- Darssin, Charles F., Brockton, Mass. Diving apparatus. No. 1,076,820; Oct. 28; Gaz. vol. 195; p. 880.
- Dart, Fred W., et al. (See Austin, Samuel, assignor.)
- Dart, Joseph, et al. (See Austin, Samuel, assignor.)
- Darwin, David, Iron River, Wis. Grain-door. No. 1,068,327; July 22; Gaz. vol. 192; p. 932.
- Darwood, Henry L., Philadelphia, Pa. Strainer for suction-pumps. No. 1,053,975; Feb. 25; Gaz. vol. 187; p. 841.
- Dashiell, R. Grayson, curator. (See Tietz, William.)
- Dashner, Lou C., and H. E. Jacobs, assignors of one-third to A. Walker, Point Pleasant, W. Va. Nut-lock. No. 1,081,661; Dec. 16; Gaz. vol. 197; p. 662.
- Dassori, Frederick, New York, N. Y. Truss. No. 1,049,813; Jan. 7; Gaz. vol. 186; p. 169.
- Daszko, Andrew, and A. Bielech, Chicago, Ill. Trolley. No. 1,054,092; Feb. 25; Gaz. vol. 187; p. 880.
- Dath, Charles E., assignor to W. H. Miner, Chicago, Ill. Draft-yoke for railway-car draft-rigging. No. 1,070,119; Aug. 12; Gaz. vol. 193; p. 384.
- Dath, Emmanuel, Newton, Mass. Cleaning device for roving. No. 1,059,714; Apr. 22; Gaz. vol. 189; p. 914.
- Dattelzweig, M. Fred. (See Krech, Frederick W., assignor.)
- Daubenspeck, Henry C. (See Winder, Samuel E., assignor.)
- Dauber-Bell Machine Company, The. (See Bell and Dauber, assignors.)
- Dauber, Charles G. (See Bell and Dauber.)
- Dauber, Charles G., assignor to E. J. Bell, Oshkosh, Wis. Dowel cutting-off and pointing machine. No. 1,073,846; Sept. 23; Gaz. vol. 194; p. 841.
- Daubert, Alfred F. (See Matthews and Freeman, assignors.)
- Daubresse, Ulysse, Novinger, Mo. Acetylene-gas generator. No. 1,052,134; Feb. 4; Gaz. vol. 187; p. 100.
- Daudelin, Eusebe H. (See Daudelin, Jean B. and E. H.)

Alphabetical list of patentees—Continued.

- Daudelin, Eusebe H., assignor to himself and J. B. Daudelin, Fall River, Mass. Shuttle. No. 1,078,261; Nov. 11; Gaz. vol. 196; p. 382.
- Daudelin, Jean B. (See Daudelin, Eusebe H., assignor.)
- Daudelin, Jean B. and E. H., Fall River, Mass. Shuttle. No. 1,065,592; June 24; Gaz. vol. 191; p. 928.
- Daudelin, Jean B. and E. H., Fall River, Mass. Shuttle. No. 1,079,473; Nov. 25; Gaz. vol. 196; p. 862.
- Daudelin, Narcisse N. S., Fall River, Mass. Separating device. No. 1,074,931; Oct. 7; Gaz. vol. 195; p. 117.
- Daugherty, George E. (See Benson and Scott, assignors.)
- Daughtrey, George H., Arcanum, Ohio. Locking device. No. 1,076,105; Oct. 21; Gaz. vol. 195; p. 577.
- Daughtry, Willie L., Mulberry, Fla. Shaft-brace. No. 1,073,476; Sept. 16; Gaz. vol. 194; p. 694.
- Dauler, Cyrus S., assignor to The Electric Controller and Manufacturing Company, Cleveland, Ohio. Motor-control system. No. 1,080,140; Dec. 2; Gaz. vol. 197; p. 78.
- Dauler, John J. (See Gray and Dauler.)
- Daum, Albert F., Pittsburgh, Pa. Safety-fuse. No. 1,061,226; May 6; Gaz. vol. 190; p. 227.
- Daum, Albert F., Pittsburgh, Pa. Cartridge-fuse. No. 1,061,227; May 6; Gaz. vol. 190; p. 228.
- Daum, Albert F., Pittsburgh, Pa. Cartridge-fuse. No. 1,061,228; May 6; Gaz. vol. 190; p. 228.
- Daum, Louis, assignor to Richard Pick Manufacturing Company, Chicago, Ill. Blank for aprons. No. 1,062,697; May 27; Gaz. vol. 190; p. 840.
- Dauphinais, Henry C., Fargo, N. D. Telegraph-key. No. 1,064,819; June 17; Gaz. vol. 191; p. 632.
- Dautrebande, Léon, Daussoix, Belgium. Treatment of beet-roots. No. 1,067,976; July 22; Gaz. vol. 192; p. 810.
- Dautreppe, Louis, Brussels, Belgium. Impregnating wood. No. 1,076,553; Oct. 21; Gaz. vol. 195; p. 733.
- Dauwalter, Conrad, Deepwater, Mo. Broom. No. 1,049,459; Jan. 7; Gaz. vol. 186; p. 48.
- Davenport, Birge W., assignor to Dispatch Motor Car Company, Minneapolis, Minn. Frictional transmission mechanism. No. 1,066,472; July 8; Gaz. vol. 192; p. 227.
- Davenport, Carl, assignor of one-half to R. Nicholson, Sheffield, England. Percussive rock-drill. No. 1,054,181; Feb. 25; Gaz. vol. 187; p. 912.
- Davenport, Eugene F., Melrose, Mass., assignor to United Shoe Machinery Company, Paterson, N. J. Transmitting device. No. 1,078,664; Nov. 18; Gaz. vol. 196; p. 552.
- Davenport, George M., Keo, Ark. Automobile wheel and tire. No. 1,077,044; Oct. 28; Gaz. vol. 195; p. 960.
- Davenport, Harrison H., Tropic, Cal. Protector for pilot-lights. No. 1,074,840; Oct. 7; Gaz. vol. 195; p. 85.
- Davenport, Herman A., Brockton, Mass., assignor to United Shoe Machinery Company, Paterson, N. J. Sole-pressing machine. No. 1,058,732; Apr. 15; Gaz. vol. 189; p. 541.
- Davenport, Herman A., Brockton, Mass., assignor to United Shoe Machinery Company, Paterson, N. J. Sole-pressing machine. No. 1,066,473; July 8; Gaz. vol. 192; p. 227.
- Davenport Locomotive Works. (See Barger, Lorin W., assignor.)
- Davenport Washing Machine Company. (See Wahle, Adolph, assignor.)
- Davenport, William S., New Bedford, Mass. Screw-cutting machine. No. 1,055,448; Mar. 11; Gaz. vol. 188; p. 304.
- Davey, Archie P., York, Pa. Target-trap. No. 1,071,512; Aug. 26; Gaz. vol. 193; p. 927.
- Davicion, Maurice, Paris, France. Gas-generator. No. 1,051,314; Jan. 21; Gaz. vol. 186; p. 750.
- David, Albert, Brooklyn, assignor to Midland Ores and Patents Co., New York, N. Y. Cyclic process of extracting metals from cupriferos materials. No. 1,075,093; Oct. 7; Gaz. vol. 195; p. 174.
- David Lupton's Sons Company. (See Brogden and Watkins, assignors.)
- David, Reese C., assignor to Republic Bank Note Company, Pittsburgh, Pa. Loose-leaf binder. No. 1,051,089; Jan. 21; Gaz. vol. 186; p. 675.
- David Wigert Boiler Works. (See Wigert, David, assignor.)
- David, William H., Tottenville, N. Y. Garment-supporter. No. 1,066,715; July 8; Gaz. vol. 192; p. 313.
- Davidovitz, Harry. (See Zieve and Davidovitz.)
- Davidson, Alexander H., Colma, Cal. Close-cutting lawnmower. No. 1,067,900; July 22; Gaz. vol. 192; p. 785.
- Davidson, Alexander H., and S. Sundellus, Colma, Cal. Cremation-furnace. No. 1,068,571; July 29; Gaz. vol. 192; p. 1053.
- Davidson, Arthur C. (See Forsyth, Davidson, and Gallagher.)
- Davidson, Edward B. (See Norwood and Davidson.)
- Davidson, Harry C., New York, N. Y. Puzzle. No. 1,049,681; Jan. 7; Gaz. vol. 186; p. 124.
- Davidson, Ike, Paris, Tex. Portable commode. No. 1,053,363; Feb. 18; Gaz. vol. 187; p. 597.
- Davidson, Isador, Seattle, assignor to J. Duke, King county, Wash. Bedstead-joint. No. 1,068,745; July 29; Gaz. vol. 192; p. 1114.
- Davidson, James C., Des Moines, Iowa. Confection and making same. No. 1,076,751; Oct. 28; Gaz. vol. 195; p. 856.
- Davidson, John, Pendleton, England. Valve-gear for steam-engines. No. 1,050,618; Jan. 14; Gaz. vol. 186; p. 478.
- Davidson, John, Pendleton, and W. O. Larmuth, Salford, England. Steam-engine expansion-gear. No. 1,049,814; Jan. 7; Gaz. vol. 186; p. 169.
- Davidson, John A., Chicago, Ill. Leveling-caster. No. 1,068,485; July 29; Gaz. vol. 192; p. 1024.
- Davidson, John M., assignor to Wm. B. Scaife & Sons Company, Pittsburgh, Pa. Cleaning apparatus for swimming-pools and the like. No. 1,056,779; Mar. 25; Gaz. vol. 188; p. 820.
- Davidson, Joseph, East Point, Ga., assignor of one-half to American Machine & Manufacturing Company. Pumping device. No. 1,075,406; Oct. 14; Gaz. vol. 195; p. 310.
- Davidson, Joseph, Greenville, S. C., assignor of one-half to American Machine & Manufacturing Company. Seed-hulling machine. No. 1,083,004; Dec. 30; Gaz. vol. 197; p. 1186.
- Davidson, Marshall T. (See Simpson, Napoleon B., assignor.)
- Davidson, Morgan W., Vermilion, S. D. Draftsman's table or stand. No. 1,055,884; Mar. 11; Gaz. vol. 188; p. 449.
- Davidson, Robert J., Hillburn, N. Y. Double-locking switch-stand. No. 1,056,888; Mar. 25; Gaz. vol. 188; p. 856.
- Davidson, Robert J., Chicago, Ill. Rotary engine. No. 1,077,222; Oct. 28; Gaz. vol. 195; p. 1015.
- Davidson, Robert J., Chicago, Ill. Rotary engine. No. 1,078,539; Nov. 11; Gaz. vol. 196; p. 477.
- Davidson, Samuel, Detroit, Mich. Emergency-tire for automobiles. No. 1,052,801; Feb. 11; Gaz. vol. 187; p. 359.
- Davidson, Samuel, Indianapolis, Ind. Emergency-tire for automobiles. No. 1,070,670; Aug. 19; Gaz. vol. 193; p. 614.
- Davidson, Samuel C., Belfast, Ireland. Tea-leaf rolling and mixing machine. No. 1,069,861; Aug. 12; Gaz. vol. 193; p. 296.
- Davies, Alfred H., Akron, assignor to B. F. Johnson and W. Ward, Cleveland, Ohio. Gas-heated sad-iron. No. 1,076,958; Oct. 28; Gaz. vol. 195; p. 930.
- Davies, Charles W. T., New York, N. Y. Body-garment. No. 1,068,042; July 22; Gaz. vol. 192; p. 833.
- Davies, Charles W. T., New York, N. Y. Necktie. No. 1,075,464; Oct. 14; Gaz. vol. 195; p. 330.
- Davies, David, Salt Lake City, Utah. Water-gage cock. No. 1,078,420; Nov. 11; Gaz. vol. 196; p. 439.
- Davies, David A. (See Teter and Davies.)
- Davies, Edna B., *et al.* (See Davies, William P., assignor.)
- Davies, Evan L., Tregenna, England. Mill-roll. No. 1,057,713; Apr. 1; Gaz. vol. 189; p. 109.
- Davies, Harold J., and T. A. Judge, Sheffield, England. Manufacture of double helical metallic tubing. No. 1,080,897; Dec. 9; Gaz. vol. 197; p. 372.
- Davies, Hugh, and J. Cooke, West New York, N. J. Incandescent-lamp lock and seal. No. 1,062,228; May 20; Gaz. vol. 190; p. 644.
- Davies, Hugh, and J. Cooke, West New York, N. J. Incandescent-lamp lock and seal. No. 1,070,426; Aug. 19; Gaz. vol. 193; p. 531.
- Davies, John P., Putney, London, England. Water-tube boiler. No. 1,058,733; Apr. 15; Gaz. vol. 189; p. 541.
- Davies, Jonah, Hazleton, Pa. Washing-machine. No. 1,056,634; Mar. 18; Gaz. vol. 188; p. 740.
- Davies, Owen P. (See Wood and Burrage, assignors.)
- Davies, Roderick W., Chicago Heights, Ill. Dumping-car. No. 1,079,977; Dec. 2; Gaz. vol. 197; p. 20.
- Davies, William H., Quinton, assignor of one-half to L. E. Hires, Salem, N. J. Device for cleaning fruit and vegetables. No. 1,060,825; May 6; Gaz. vol. 190; p. 89.
- Davies, William P., assignor to E. B. Davies, Bellevue, Ky., and G. I. Bainum, Carthage, Ohio. Mounting for railway-rails. No. 1,075,200; Oct. 7; Gaz. vol. 195; p. 211.
- Davis, Albert G., Schenectady, N. Y., assignor to General Electric Company. Incandescent lamp. No. 1,082,012; Dec. 23; Gaz. vol. 197; p. 811.
- Davis, Alex B., assignor to The Eli Lilly and Company, Indianapolis, Ind. Mercury compounds and producing same. No. 1,079,693; Nov. 25; Gaz. vol. 196; p. 938.
- Davis, Alice U., El Paso, Tex. Paper-guide. No. 1,068,223; July 22; Gaz. vol. 192; p. 895.
- Davis, Anthony E., Philadelphia, Pa. Device for positioning rods in concrete structure. No. 1,063,663; June 3; Gaz. vol. 191; p. 171.
- Davis, Arthur B., and A. B. Leffel, Springfield, Ohio. Ink-ing device for printing-presses. No. 1,072,095; Sept. 2; Gaz. vol. 194; p. 145.
- Davis, Arthur C., *et al.* (See Marsh, Elmer E., assignor.)
- Davis, Benjamin F., Freeport, Ill. Wire-twister. No. 1,059,281; Apr. 15; Gaz. vol. 189; p. 732.

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- Davis, Benjamin F., assignor, by mesne assignments, to J. M. Himes, Washington, D. C. Heat-distributor or bake-oven for gas and gasoline stoves. No. 1,079,219; Nov. 18; Gaz. vol. 196; p. 746.
- Davis-Bournonville Company. (See Bucknam, Worthy C., assignor.)
- Davis-Bournonville Company. (See Whitford, John W., assignor.)
- Davis, Calvin R., Chicago Heights, assignor to Emerson-Brantingham Company, Rockford, Ill. Hay-loader. No. 1,076,194; Oct. 21; Gaz. vol. 195; p. 606.
- Davis, Charles C. (See Hull and Davis.)
- Davis, Charles D., Sacramento, Cal. Calf-feeder. No. 1,074,313; Sept. 30; Gaz. vol. 194; p. 1027.
- Davis, Charles F., Downers Grove, Ill. Folding chair. No. 1,061,050; May 6; Gaz. vol. 190; p. 177.
- Davis, Charles R., Marlinton, W. Va. Planter. No. 1,073,405; Sept. 16; Gaz. vol. 194; p. 669.
- Davis, Charles W., Dallas, Tex. Rail-brace. No. 1,069,115; Aug. 5; Gaz. vol. 193; p. 9.
- Davis, Charles W., Edgeworth, assignor to Standard Underground Cable Company, Pittsburgh, Pa. Junction-box for electrical cables. No. 1,061,527; May 13; Gaz. vol. 190; p. 367.
- Davis, Charles W., Montreal, and G. W. Davis, Westmount, Quebec, Canada. Type-writer. No. 1,054,093; Feb. 25; Gaz. vol. 187; p. 881.
- Davis, Clarence K., Wilmington, N. C. Calendar key-ring. No. 1,069,533; Aug. 5; Gaz. vol. 193; p. 154.
- Davis, Claude E. (See Thorp, Roy M. P., assignor.)
- Davis, Cleland, U. S. Navy. Apparatus for determining ranges. No. 1,063,862; June 3; Gaz. vol. 191; p. 236.
- Davis, Curtis W., Donaldson, Minn. Grain-drill. No. 1,052,072; Dec. 23; Gaz. vol. 197; p. 831.
- Davis, Edward G., Jeffersonville, Ind. Nut-lock. No. 1,070,946; Aug. 19; Gaz. vol. 193; p. 704.
- Davis, Edward H., and E. J. Rhodes, San Martin, Cal. Safety steering device. No. 1,069,862; Aug. 12; Gaz. vol. 193; p. 297.
- Davis, Edward S., Jersey City, N. J., assignor to Rockwell Furnace Company. Non-oxidizing annealing-furnace. No. 1,052,574; Feb. 11; Gaz. vol. 187; p. 281.
- Davis, Edwin O., Paducah, Ky. Machine for uniting knit fabrics. No. 1,050,432; Jan. 14; Gaz. vol. 186; p. 413.
- Davis, Edwin O., Paducah, Ky. Machine for sewing looped fabric. No. 1,054,658; Feb. 25; Gaz. vol. 187; p. 1074.
- Davis, Edwin O., assignor to Southern Textile Machinery Company, Paducah, Ky. Machine for uniting knit fabrics. No. 1,050,433; Jan. 14; Gaz. vol. 186; p. 414.
- Davis, Ellis, Tippecanoe City, Ohio. Combined step-ladder and ironing-board. No. 1,049,682; Jan. 7; Gaz. vol. 186; p. 125.
- Davis, Emery E., assignor to Matthews-Davis Tool Company, St. Louis, Mo. Boring-tool. No. 1,078,611; Nov. 18; Gaz. vol. 196; p. 534.
- Davis, Emry, New York, N. Y. Inkstand. No. 1,082,152; Dec. 23; Gaz. vol. 197; p. 856.
- Davis, Ernest E. (See Burdette and Davis.)
- Davis, Eugene H. (See Lacroix, Joseph D., assignor.)
- Davis, Frank, Atlanta, Ga. Ruling-machine. No. 1,067,001; July 8; Gaz. vol. 192; p. 409.
- Davis, Frank E., Payette, Idaho. Coaling apparatus. No. 1,051,699; Jan. 28; Gaz. vol. 186; p. 913.
- Davis, Frank E., La Crosse, Wis. Seeding-machine. No. 1,073,666; Sept. 23; Gaz. vol. 194; p. 781.
- Davis, Frank E., assignor of one-half to La Crosse Plow Company, La Crosse, Wis. Plow. No. 1,076,871; Oct. 28; Gaz. vol. 195; p. 898.
- Davis, Frank E., and W. W. Cameron, assignors to La Crosse Plow Co., La Crosse, Wis. Flexible harrow. No. 1,067,506; July 15; Gaz. vol. 192; p. 619.
- Davis, George C., assignor of one-third to J. S. Davis and one-third to T. Grady, Louisville, Ky. Valve. No. 1,057,944; Apr. 1; Gaz. vol. 189; p. 187.
- Davis, George F. F. (See Turnbull, Davis, and Turnbull.)
- Davis, George H. (See Craft and Davis.)
- Davis, George H., West Orange, N. J. Music-roll-marking machine. No. 1,057,622; Apr. 1; Gaz. vol. 189; p. 77.
- Davis, George H., West Orange, N. J. Music-roll spool. No. 1,059,041; Apr. 15; Gaz. vol. 189; p. 650.
- Davis, George H., West Orange, N. J. Adjustable music-roll spool. No. 1,059,042; Apr. 15; Gaz. vol. 189; p. 650.
- Davis, George H., West Orange, N. J. Combined marking and spooling machine for music-rolls. No. 1,074,776; Oct. 7; Gaz. vol. 195; p. 66.
- Davis, George H., Orange, N. J. Expression mechanism for automatic pianos. No. 1,080,424; Dec. 2; Gaz. vol. 197; p. 179.
- Davis, George H., West Orange, N. J. Automatic music-sheet-guiding device for self-playing musical instruments. No. 1,082,849; Dec. 30; Gaz. vol. 197; p. 1133.
- Davis, George H., Portland, Me. Acetylene-gas generator. No. 1,060,670; May 6; Gaz. vol. 190; p. 36.
- Davis, George H., Portland, Me. Acetylene-gas generator. No. 1,060,671; May 6; Gaz. vol. 190; p. 36.
- Davis, George H., Portland, Me. Acetylene-gas generator. No. 1,061,052; May 6; Gaz. vol. 190; p. 172.
- Davis, George H., West Orange, assignor to Standard Music Roll Company, Orange, N. J. Perforating-machine. No. 1,061,051; May 6; Gaz. vol. 190; p. 171.
- Davis, George R., Seattle, Wash. Shoe construction. No. 1,058,561; Apr. 8; Gaz. vol. 189; p. 445.
- Davis, George W. (See Davis, Charles W. and G. W.)
- Davis, George W., et al. (See Morrison, Joseph O., assignor.)
- Davis, George W. (See Stokes and Davis.)
- Davis, George W., Westmount, Quebec, Canada. Type-writer-carriage construction. No. 1,049,565; Jan. 7; Gaz. vol. 186; p. 85.
- Davis, George W., Westmount, Quebec, Canada. Shift mechanism for type-writers. No. 1,054,396; Feb. 25; Gaz. vol. 187; p. 985.
- Davis, George W., Sacramento, Cal. Curtain-roller. No. 1,054,182; Feb. 25; Gaz. vol. 187; p. 913.
- Davis, George W., and J. S. Dumas, Westmount, Quebec, Canada. Type-lock of type-writing machines. No. 1,054,397; Feb. 25; Gaz. vol. 187; p. 986.
- Davis, Harry P., and T. Varney, Pittsburgh, Pa., assignors to Westinghouse Electric & Manufacturing Company. Supporting structure for trolley-conductors. No. 1,076,630; Oct. 21; Gaz. vol. 195; p. 761.
- Davis, Henry, Derby, England. Anemometer. No. 1,050,350; Jan. 14; Gaz. vol. 186; p. 384.
- Davis, Henry J., Birmingham, Ala. Cotton-tramper. No. 1,050,110; Jan. 14; Gaz. vol. 186; p. 303.
- Davis, Henry J., Birmingham, Ala. Cotton-cleaner. No. 1,054,183; Feb. 25; Gaz. vol. 187; p. 913.
- Davis, Henry L., London, England. Metal-shank button. No. 1,072,921; Sept. 9; Gaz. vol. 194; p. 461.
- Davis, Jacob. (See Brown, Morris H., assignor.)
- Davis, James C., Hinsdale, assignor to American Steel Foundries, Chicago, Ill. Cast-steel spring-plank. No. 1,056,635; Mar. 18; Gaz. vol. 188; p. 740.
- Davis, James L., Westmoreland, Kans. Gate. No. 1,068,486; July 29; Gaz. vol. 192; p. 1024.
- Davis, James S., assignor of one-fourth to A. W. Aston and one-fourth to L. D. Holdredth, Meadowview, Va. Pivot connection. No. 1,081,940; Dec. 16; Gaz. vol. 197; p. 756.
- Davis, Jasper N., Denver, Colo. Storage-battery grid. No. 1,076,027; Oct. 21; Gaz. vol. 195; p. 550.
- Davis, Jean D., Greenwich, Conn., assignor to National White Cross Milk Company, Jersey City, N. J. Manufacture of desiccated milk. No. 1,070,781; Aug. 19; Gaz. vol. 193; p. 652.
- Davis, John A., Chicago, Ill. Insect-trap. No. 1,057,224; Mar. 25; Gaz. vol. 188; p. 973.
- Davis, John B., Lansdowne, and H. Leuchsenring, Norwood, assignors to The S. S. White Dental Manufacturing Company, Philadelphia, Pa. Dental articulator. No. 1,055,718; Mar. 11; Gaz. vol. 188; p. 392.
- Davis, John E. (See Apgar and Davis.)
- Davis, John E. (See Super, Frank J., assignor.)
- Davis, John F., and R. L. Ford, Decatur, Ill., assignors to Pioneer Implement Company, Council Bluffs, Iowa. Transmission-gearing. No. 1,079,747; Nov. 25; Gaz. vol. 196; p. 959.
- Davis, John S., et al. (See Davis, George C., assignor.)
- Davis, John T., Alameda, assignor to Technical Development Co., San Francisco, Cal. Utilizing garbage. No. 1,054,282; Feb. 25; Gaz. vol. 187; p. 945.
- Davis, John T., Alameda, assignor to Technical Development Co., San Francisco, Cal. Apparatus for making combustible gas out of petroleum. No. 1,058,660; Apr. 8; Gaz. vol. 189; p. 478.
- Davis, John T., assignor to Davis Oil Refining Co., San Francisco, Cal. Making coffee extract. No. 1,079,474; Nov. 25; Gaz. vol. 196; p. 862.
- Davis, John W., Minneapolis, Minn. Buckle. No. 1,057,714; Apr. 1; Gaz. vol. 189; p. 109.
- Davis, John W., Derby, Ind. Land-roller. No. 1,065,785; June 24; Gaz. vol. 191; p. 992.
- Davis, John W., assignor of one-fourth to C. F. Briegleb, St. Clair, Mo. Transformer of electricity. No. 1,056,739; Mar. 18; Gaz. vol. 188; p. 776.
- Davis, Joseph. (See Rausch, Frederick, assignor.)
- Davis, Joseph, Chicago, Ill. Lock for sliding doors. No. 1,050,922; Jan. 21; Gaz. vol. 186; p. 617.
- Davis, Joseph L., Pittsburgh, Pa., assignor to Westinghouse Electric and Manufacturing Company. Electric locomotive. No. 1,074,841; Oct. 7; Gaz. vol. 195; p. 85.
- Davis, Judson, East Rochester, N. Y. Life-saving vessel. No. 1,052,323; Feb. 4; Gaz. vol. 187; p. 163.
- Davis, Lawrence C., assignor of one-half to W. R. Gray, Cedar Falls, Iowa. Dentifrice-applicator. No. 1,052,043; Feb. 4; Gaz. vol. 187; p. 69.
- Davis, Lewis A., Everett, Wash. Cement-mixing machine. No. 1,072,318; Sept. 2; Gaz. vol. 194; p. 218.
- Davis, Louis, New York, N. Y. Fluid-mixing attachment for faucets. No. 1,080,957; Dec. 9; Gaz. vol. 197; p. 393.
- Davis, Micajah R., Kemp, Okla. Seed-cotton cleaner. No. 1,071,987; Sept. 2; Gaz. vol. 194; p. 108.
- Davis, Milo, Dederick, Mo. Fifth-wheel connection for vehicles. No. 1,079,475; Nov. 25; Gaz. vol. 196; p. 862.
- Davis Oil Refining Co. (See Davis, John T., assignor.)

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- Davis, Oliver P. M., Bedford, Ind. Moving-picture machine. No. 1,075,407; Oct. 14; Gaz. vol. 195; p. 310.
- Davis, Ostinell A., *et al.* (See Loy, William C., assignor.)
- Davis, Otis L., Iowa City, Iowa. Electrical switch. No. 1,081,022; Dec. 9; Gaz. vol. 197; p. 413.
- Davis, Patrick, New York, N. Y. Cutlery-polishing machine. No. 1,065,593; June 24; Gaz. vol. 191; p. 929.
- Davis, Percy L., San Francisco, Cal. Display-stand. No. 1,072,704; Sept. 9; Gaz. vol. 194; p. 382.
- Davis, Perry G., Chicago, Ill. Mop. No. 1,059,528; Apr. 22; Gaz. vol. 189; p. 853.
- Davis, Ray, Lehigh, Iowa. Controlling mechanism. No. 1,074,495; Sept. 30; Gaz. vol. 194; p. 1086.
- Davis, Richard. (See Baxter and Davis.)
- Davis, Robert H. (See O'Neill, Maurice J., assignor.)
- Davis, Samuel G., Horatio, Ark. Railway safety device. No. 1,065,786; June 24; Gaz. vol. 191; p. 993.
- Davis, Walter G. (See Jacobs, Abraham L., assignor.)
- Davis, Weaver B., Madison county, Ind. Hollow-building-block structure. No. 1,067,804; July 22; Gaz. vol. 192; p. 752.
- Davis, Willard G., Nicholasville, Ky. Head and tail light control. No. 1,061,053; May 6; Gaz. vol. 190; p. 172.
- Davis, William, *et al.* (See Conner, Frank, assignor.)
- Davis, William A. (See Robinson and Davis.)
- Davis, William C., *et al.* (See Hughes, David S., assignor.)
- Davis, William C., and J. Miller, Freeport, assignors of one-half to said Miller and one-half to W. K. Sanderson, Portland, Me. Hide-stretcher. No. 1,081,584; Dec. 16; Gaz. vol. 197; p. 637.
- Davis, William E., New Ipswich, N. H. Smoking-pipe. No. 1,059,956; Apr. 22; Gaz. vol. 189; p. 993.
- Davis, William F., San Francisco, Cal. Adjustable start for hames. No. 1,065,594; June 24; Gaz. vol. 191; p. 929.
- Davis, William F., Kansas City, Kans., assignor to McKeen Motor Car Company, Omaha, Nebr. Igniting mechanism for explosive-engines. No. 1,065,923; July 1; Gaz. vol. 192; p. 6.
- Davis, William F., Kansas City, Kans., assignor to McKeen Motor Car Company. Car-motor. No. 1,077,679; Nov. 4; Gaz. vol. 196; p. 151.
- Davis, William F., Kansas City, Kans., assignor to McKeen Motor Car Company. Explosion-motor for cars and the like. No. 1,079,220; Nov. 18; Gaz. vol. 196; p. 746.
- Davis, William F., assignor to Universal Refrigerating Company, Portland, Oreg. Refrigerating apparatus. No. 1,071,002; Aug. 19; Gaz. vol. 193; p. 722.
- Davis, William F., assignor to Universal Refrigerating Company, Portland, Oreg. Refrigerating-machine. No. 1,071,713; Sept. 2; Gaz. vol. 194; p. 14.
- Davis, William H., Bayonne, N. J., assignor to Eureka Fire Hose Manufacturing Company, Jersey City, N. J. Expander. No. 1,068,860; July 29; Gaz. vol. 192; p. 1156.
- Davis, William V., Dealville, N. C. Marking attachment for plows. No. 1,080,425; Dec. 2; Gaz. vol. 197; p. 179.
- Davison, Abbie M., Loyalton, Cal. Picture-holder. No. 1,056,636; Mar. 18; Gaz. vol. 188; p. 740.
- Davison, Charles L., *et al.* (See Gardner, Henry C., assignor.)
- Davison, Dorsett A., Richmond, Va. Window. No. 1,081,893; Dec. 16; Gaz. vol. 197; p. 740.
- Davison, Frank G., Boston, Mass. Picture or sign frame. No. 1,064,450; June 10; Gaz. vol. 191; p. 474.
- Davison, G. Lanza. (See Dyer, Silas H., assignor.)
- Davison, Gregory C., Quincy, Mass. Folding hydroplane for submersible boats. No. 1,073,100; Sept. 16; Gaz. vol. 194; p. 561.
- Davison, Gregory C., New London, Conn., assignor to Electric Boat Company, New York, N. Y. Ignition apparatus for power-generating systems. No. 1,079,748; Nov. 25; Gaz. vol. 196; p. 959.
- Davison, Herbert H., Winnipeg, Manitoba, Canada. Sheaf-loader. No. 1,078,132; Nov. 11; Gaz. vol. 196; p. 337.
- Davison, Morgan, Alameda, Tex. Smoothing-drag. No. 1,061,990; May 20; Gaz. vol. 190; p. 562.
- Davison, Roy E., Catoosa, Okla. Agricultural implement. No. 1,079,114; Nov. 18; Gaz. vol. 196; p. 710.
- Davy, Charles F., Mohawk, N. Y. Fire-escape. No. 1,066,716; July 8; Gaz. vol. 192; p. 313.
- Davy, Clarence F., and T. Richardson, Fitzroy, New Zealand. Non-refillable bottle. No. 1,081,491; Dec. 16; Gaz. vol. 197; p. 608.
- Dawes, Robert, *et al.* (See Teresa, Antonio, assignor.)
- Dawley, Clarence A., Plainfield, assignor to Thomas W. Pangborn Company, Jersey City, N. J. Fluid-pressure motor. No. 1,054,754; Mar. 4; Gaz. vol. 188; p. 34.
- Dawley, William H., Houston, Tex. Oil-cup. No. 1,071,400; Aug. 26; Gaz. vol. 193; p. 891.
- Dawson, Arthur T., and G. T. Buckham, Westminster, London, assignors, by mesne assignments, to Vickers Limited, Westminster, England. Breech-loading ordnance. No. 1,064,197; June 10; Gaz. vol. 191; p. 387.
- Dawson, Arthur T., and G. T. Buckham, Westminster, London, assignors to Vickers Limited, London, England. Electrical apparatus for transmitting and receiving signals. No. 1,064,682; June 10; Gaz. vol. 191; p. 552.
- Dawson, Arthur T., and G. T. Buckham, Westminster, London, England, assignors to J. J. Knapp, trustee, Washington, D. C. Breech-loading ordnance. No. 1,067,720; July 15; Gaz. vol. 192; p. 691.
- Dawson, Arthur T., and G. T. Buckham, assignors to Vickers Limited, Westminster, England. Pedestal gun-mounting. No. 1,071,607; Aug. 26; Gaz. vol. 193; p. 959.
- Dawson, Arthur T., and G. T. Buckham, Westminster, London, assignors to Vickers Limited, Westminster, England. Breech-loading ordnance. No. 1,072,435; Sept. 9; Gaz. vol. 194; p. 289.
- Dawson, Arthur T., and G. T. Buckham, Westminster, London, assignors to Vickers Limited, Westminster, England. Breech-block-actuating gear for ordnance. No. 1,074,842; Oct. 7; Gaz. vol. 195; p. 86.
- Dawson, Arthur T., and G. T. Buckham, Westminster, London, assignors to Vickers Limited, Westminster, England. Automatic gun. No. 1,077,680; Nov. 4; Gaz. vol. 196; p. 151.
- Dawson, Arthur T., and G. T. Buckham, Westminster, London, assignors to Vickers Limited, Westminster, England. Firearm. No. 1,077,873; Nov. 4; Gaz. vol. 196; p. 216.
- Dawson, Arthur T., and G. T. Buckham, Westminster, London, assignors to Vickers Limited, Westminster, England. Hang-fire device for breech-loading ordnance. No. 1,078,665; Nov. 18; Gaz. vol. 196; p. 552.
- Dawson, Arthur T., and G. T. Buckham, Westminster, assignors to Vickers Limited, London, England. Hang-fire device for breech-loading ordnance. No. 1,079,314; Nov. 18; Gaz. vol. 196; p. 776.
- Dawson, Arthur T., and G. T. Buckham, assignors to Vickers Limited, Westminster, London, England. Sighting apparatus for ordnance. No. 1,079,749; Nov. 25; Gaz. vol. 196; p. 960.
- Dawson, Arthur T., and G. T. Buckham, Westminster, London, assignors to Vickers Limited, Westminster, England. Breech mechanism of ordnance. No. 1,080,268; Dec. 2; Gaz. vol. 197; p. 123.
- Dawson, Arthur T., Westminster, London, and J. Horne, Barrow-in-Furness, assignors, by mesne assignments, to Vickers Limited, Westminster, England. Ammunition-loading apparatus for heavy guns. No. 1,071,606; Aug. 26; Gaz. vol. 193; p. 958.
- Dawson, Arthur T., Westminster, London, and J. Horne, Barrow-in-Furness, assignors to Vickers Limited, Westminster, England. Breech-actuating apparatus of heavy guns. No. 1,072,319; Sept. 2; Gaz. vol. 194; p. 218.
- Dawson, Arthur T., Westminster, London, and J. Horne, Barrow-in-Furness, assignors to Vickers Limited, Westminster, England. Recoil and run-out gear of heavy ordnance. No. 1,074,541; Sept. 30; Gaz. vol. 194; p. 1101.
- Dawson, Arthur T., Westminster, London, and J. Horne, Barrow-in-Furness, assignors to Vickers Limited, Westminster, England. Run-out gear of heavy ordnance. No. 1,074,566; Sept. 30; Gaz. vol. 194; p. 1109.
- Dawson, Edward P., Butte, Mont. Gas-engine. No. 1,056,510; Mar. 18; Gaz. vol. 188; p. 698.
- Dawson, James B., Pompeys Pillar, Mont. Beet-crowner. No. 1,067,589; July 15; Gaz. vol. 192; p. 646.
- Dawson, James B., Pompeys Pillar, Mont. Beet toppler or crowner. No. 1,068,986; July 29; Gaz. vol. 192; p. 1198.
- Dawson, James C., Webster Groves, Mo. Loose-leaf binder. No. 1,053,161; Feb. 18; Gaz. vol. 187; p. 526.
- Dawson, James C., Webster Groves, Mo. Loose-leaf binder. No. 1,053,579; Feb. 18; Gaz. vol. 187; p. 671.
- Dawson, James C., Webster Groves, Mo. Loose-leaf binder. No. 1,077,682; Nov. 4; Gaz. vol. 196; p. 152.
- Dawson, James C., Webster Groves, assignor to George D. Barnard & Co., St. Louis, Mo. Loose-leaf binder. No. 1,077,681; Nov. 4; Gaz. vol. 196; p. 152.
- Dawson, John. (See Gwinn and Dawson.)
- Dawson, Joseph W., assignor to Barry-Wehmiller Machinery Company, St. Louis, Mo. Basket for bottle-conveyers. No. 1,078,262; Nov. 11; Gaz. vol. 196; p. 382.
- Dawson, Joseph W., assignor to Barry-Wehmiller Machinery Company, St. Louis, Mo. Bottle-carrier for soaking-machines. No. 1,079,750; Nov. 25; Gaz. vol. 196; p. 960.
- Dawson, Mary, Vancouver, British Columbia, Canada. Tire. No. 1,059,843; Apr. 22; Gaz. vol. 189; p. 955.
- Dawson, Thomas, Livingston Manor, N. Y. Furnace-grate. No. 1,050,619; Jan. 14; Gaz. vol. 186; p. 478.
- Dawson, Thomas, Beverly, assignor of one-half to S. F. Thompson, Springfield, Mass. Seasoning-machine. No. 1,074,588; Sept. 30; Gaz. vol. 194; p. 1117.
- Dawson, William F., Rugby, England, assignor to General Electric Company. Support for end turns or connections of coils for dynamo-electric machines. No. 1,064,295; June 10; Gaz. vol. 191; p. 420.
- Dawson, William M. (See Baumann and Dawson.)

Alphabetical list of patentees—Continued.

- Day, Albert V. T., assignor, by mesne assignments, to The Hall Switch & Signal Company, New York, N. Y. Railway signaling system. No. 1,081,925; Dec. 16; Gaz. vol. 197; p. 751.
- Day, Arthur L., Washington, D. C., assignor to Empire Machine Company, Portland, Me. Means for maintaining a constant working level in glass-furnaces. No. 1,074,167; Sept. 30; Gaz. vol. 194; p. 979.
- Day, Benjamin, Summit, N. J. Film-frame apparatus. No. 1,063,016; May 27; Gaz. vol. 190; p. 945.
- Day, Benjamin, Summit, N. J. Wide-range holdfast. No. 1,063,017; May 27; Gaz. vol. 190; p. 945.
- Day, Benjamin, Summit, N. J., assignor to Ben. Day, Inc. Film apparatus. No. 1,060,892; May 6; Gaz. vol. 190; p. 114.
- Day, Benjamin, Summit, N. J., assignor to Ben. Day, Inc. Film-frame apparatus. No. 1,063,015; May 27; Gaz. vol. 190; p. 945.
- Day, Charles, and G. E. Windeler, Stockport, England, assignors to General Electric Company. Starting mechanism for internal-combustion engines. No. 1,049,815; Jan. 7; Gaz. vol. 186; p. 169.
- Day, Charles, and G. E. Windeler, Stockport, England, assignors to General Electric Company. Centrifugal governor. No. 1,071,988; Sept. 2; Gaz. vol. 194; p. 109.
- Day, George H., assignor to American Optical Company, Southbridge, Mass. Watchmaker's loupe. No. 1,065,346; June 24; Gaz. vol. 191; p. 843.
- Day, Harry L., assignor of five-sixths to L. B. Langston and one-sixth to C. E. Stavelly, Paducah, Ky. Cross-tie. No. 1,073,406; Sept. 16; Gaz. vol. 194; p. 669.
- Day, Henry S. (See Ergenzinger and Day.)
- Day, John L., Memphis, Tenn. Indicator for vehicles. No. 1,054,511; Feb. 25; Gaz. vol. 187; p. 1025.
- Day, Leonard. (See Allen and Day.)
- Day, Mark A. (See Brown, Carl E., assignor.)
- Day, Patrick L., Birmingham, Ala. Sealing means for doors. No. 1,066,259; July 1; Gaz. vol. 192; p. 127.
- Day, Willard G., Baltimore, Md. Apparatus to indicate the proximity of icebergs at sea. No. 1,057,807; Apr. 1; Gaz. vol. 189; p. 141.
- Day, William, Hornby Island, British Columbia, Canada. Seed-planter. No. 1,075,817; Oct. 14; Gaz. vol. 195; p. 449.
- Day, William A., assignor of one-half to W. M. Wilmer, Bellingham, Wash. Float-valve. No. 1,055,143; Mar. 4; Gaz. vol. 188; p. 165.
- Day, William L. (See Bradley, William W., assignor.)
- Day, William L., and B. F. Williams, Weldona, Colo. Wheel-flange lubricator. No. 1,069,926; Aug. 12; Gaz. vol. 193; p. 319.
- Day, William P., assignor to International Steel Tie Company, Cleveland, Ohio. Rail-support. No. 1,066,085; July 1; Gaz. vol. 192; p. 64.
- Daylight Burner Co., The. (See Kuhr, Emil H., assignor.)
- Dayton, Clyde W., Chatsworth, Cal. Bee-feeder. No. 1,052,324; Feb. 4; Gaz. vol. 187; p. 163.
- Dayton Engineering Laboratories Co., The. (See Kettering, Charles F., assignor.)
- Dayton, James B., Corinth, N. Y. Device for cutting incisions in hollow cylinders. No. 1,057,945; Apr. 1; Gaz. vol. 189; p. 187.
- Dayton, James M., assignor to Excelsior Needle Company, Torrington, Conn. Carbureter. No. 1,052,897; Feb. 11; Gaz. vol. 187; p. 391.
- Dayton Paper Bottle Company, The. (See Glesseman and Crist, assignors.)
- Dayton, William L., Fort Worth, Tex. Spring-motor. No. 1,052,410; Feb. 4; Gaz. vol. 187; p. 193.
- De Angelis, Frank, New York, N. Y. Cooking-range. No. 1,072,097; Sept. 2; Gaz. vol. 194; p. 146.
- De Bassini, Vera, New York, N. Y. Comb. No. 1,059,282; Apr. 15; Gaz. vol. 189; p. 732.
- De Baun, Harry C., Hackensack, N. J., and J. E. De Baun, Mount Vernon, N. Y. Suture appliance. No. 1,074,413; Sept. 30; Gaz. vol. 194; p. 1061.
- De Baun, John E. (See De Baun, Harry C. and J. E.)
- De Baun, John E., Spring Valley, N. Y. Airship. No. 1,070,782; Aug. 19; Gaz. vol. 193; p. 653.
- De Bernochi, Francesco, Turin, Italy. Facsimile telegraph. No. 1,069,535; Aug. 5; Gaz. vol. 193; p. 155.
- De Bevoise, Charles R., Newark, N. J. Dress-form. No. 1,072,923; Sept. 9; Gaz. vol. 194; p. 462.
- De Bevoise, Charles R., Newark, N. J. Dress-form. No. 1,081,814; Dec. 16; Gaz. vol. 197; p. 715.
- De Canio, Victor A., Union Hill, N. J. Refrigerator-lining. No. 1,060,432; Apr. 29; Gaz. vol. 189; p. 1202.
- De Cew, Judson A., Montreal, Quebec, Canada. Wood product. No. 1,075,552; Oct. 14; Gaz. vol. 195; p. 360.
- De Cew, Judson A., Montreal, Quebec, Canada. Recovering escaping acid-gases from sulfite-towers. No. 1,077,243; Oct. 28; Gaz. vol. 195; p. 1022.
- De Cew, Judson A., and R. J. Marx, Montreal, Quebec, Canada; said De Cew assignor to said Marx. Beating-engine. No. 1,067,227; July 8; Gaz. vol. 192; p. 488.
- De Clairmont, Adolfo, Toledo, Ohio. Spark-plug tester. No. 1,054,909; Mar. 4; Gaz. vol. 188; p. 87.
- De Clark Brothers. (See Coyne, William, assignor.)
- De Clark, George O., Brooklyn, N. Y. Double-faced clock. No. 1,068,417; July 29; Gaz. vol. 192; p. 1001.
- De Clark, Nelson, Jersey City, N. J. Photographic-printing stand. No. 1,051,700; Jan. 28; Gaz. vol. 186; p. 913.
- De Clercq, Emil, Kankakee, Ill. Window-shade holder. No. 1,060,433; Apr. 29; Gaz. vol. 189; p. 1202.
- De Coninck, Arthur, Woluwe-St.-Lambert, near Brussels, Belgium. Crank-shaft. No. 1,077,511; Nov. 4; Gaz. vol. 196; p. 96.
- De Coster, Jules M., and N. Bathe, St. Louis, Mo. Fruit-picker. No. 1,053,789; Feb. 18; Gaz. vol. 187; p. 743.
- De Dragits, Isabella, San Francisco, Cal. Bank-note tester. No. 1,074,316; Sept. 30; Gaz. vol. 194; p. 1028.
- De Felice, Frank, Rochester, N. Y. Burner attachment. No. 1,055,145; Mar. 4; Gaz. vol. 188; p. 165.
- De Fevre, George, and J. E. Woodbridge, New York, N. Y., assignors to The A-Z Company. Automobile. No. 1,081,023; Dec. 9; Gaz. vol. 197; p. 413.
- De Fonblanque, Arthur F. (See Gilbert-Stringer and Druitt, assignors.)
- De Force, George I., assignor of one-third to A. H. Smith, one-third to L. E. Stancliff, and one-third to E. D. Smith, Erie, Pa. Plow. No. 1,076,872; Oct. 28; Gaz. vol. 195; p. 899.
- De Ford, John W., Marion, Ind. Street or station indicator. No. 1,083,063; Dec. 30; Gaz. vol. 197; p. 1204.
- De Ford, William H., Des Moines, Iowa, assignor to E. De Trey & Sons, Philadelphia, Pa. Mouth-inhaler. No. 1,050,620; Jan. 14; Gaz. vol. 186; p. 479.
- De Ford, William H., Des Moines, Iowa, assignor to E. De Trey & Sons, Philadelphia, Pa. Inhaler. No. 1,050,621; Jan. 14; Gaz. vol. 186; p. 479.
- De Forest, Charles, Los Angeles, assignor to Sanitary Utilities Company, San Bernardino, Cal. Sanitary churn. No. 1,077,456; Nov. 4; Gaz. vol. 196; p. 76.
- De Forest, Edward L., Westhampton, N. Y. Calculating-machine. No. 1,064,451; June 10; Gaz. vol. 191; p. 474.
- De Good, Joseph L., Detroit, Mich. Trombone. No. 1,059,043; Apr. 15; Gaz. vol. 189; p. 650.
- De Graaf, Benjamin and G. A., Bloomfield, N. J.; said Benjamin De Graaf assignor to said G. A. De Graaf. Diamond-polishing machine. No. 1,077,396; Nov. 4; Gaz. vol. 196; p. 55.
- De Graaf, Gerrit A. (See De Graaf, Benjamin and G. A.)
- De Grasse, George F., New York, N. Y. Blackboard illusion device. No. 1,076,649; Oct. 21; Gaz. vol. 195; p. 769.
- De Groat, John. (See Ferneau, James W., assignor.)
- De Guise, Joseph A. P., Maisonneuve, Quebec, Canada. Combination-lock. No. 1,060,234; Apr. 29; Gaz. vol. 189; p. 1130.
- De Hart, Orlando M., Nelson, Nebr. Mail-carrying device. No. 1,050,008; Jan. 7; Gaz. vol. 186; p. 233.
- De Hibbs, Cassell, Fort Worth, Tex. Puncture-proof tire. No. 1,057,946; Apr. 1; Gaz. vol. 189; p. 187.
- De Hymel, Catherine D., et al. (See De Hymel, Franklin O., assignor.)
- De Hymel, Franklin O., San Antonio, Tex. Air suction and force pump. No. 1,074,608; Oct. 7; Gaz. vol. 194; p. 7.
- De Hymel, Franklin O., San Antonio, assignor of one-fourth to B. C. De Witt, Sutton county, one-half to C. D. De Hymel, San Antonio, one-eighth to J. Cornell, Sutton county, and one-eighth to O. F. Seargeant, Kinney county, Tex. Combined pneumatic lift and force pump. No. 1,060,826; May 6; Gaz. vol. 190; p. 90.
- De Journo, Ernest, Allentown, Pa., assignor to S. Labé, New York, N. Y. Vehicle-wheel. No. 1,068,224; July 22; Gaz. vol. 192; p. 895.
- De Koning, Frank, Freeport, N. Y. Screw-propeller. No. 1,064,695; June 10; Gaz. vol. 191; p. 557.
- De La Garza, Marcos, El Paso, Tex. Solar heating apparatus. No. 1,081,098; Dec. 9; Gaz. vol. 197; p. 436.
- De la Harpe, Charles. (See Bodmer and De la Harpe.)
- De la Harpe, Charles, and E. Bodmer, assignors to Dye Works formerly L. Durand, Huguenin & Co., Basel, Switzerland. Orange-red to bluish-red mordant dye-stuffs and making same. No. 1,055,885; Mar. 11; Gaz. vol. 188; p. 449.
- De La Rosa, José M., Arequipa, Peru. Arithmetical abacus. No. 1,081,815; Dec. 16; Gaz. vol. 197; p. 715.
- De la Rue, Ernest, London, England. Sound-box for gramophones. No. 1,051,489; Jan. 28; Gaz. vol. 186; p. 843.
- De la Torre, Gonzalo, Mexico, Mexico. Cabinet for desk implements. No. 1,055,146; Mar. 4; Gaz. vol. 188; p. 166.
- De La Vergne Machine Company. (See Franchetti, Alessandro, assignor.)
- De La Vergne Machine Company. (See Kehoe, Robert P., assignor.)
- De La Vergne Machine Company. (See Lebrecht, Alfred, assignor.)
- De La Vergne Machine Company. (See Norton, Edward M., assignor.)
- De Laney, Charles W., Hammond, Ind. Label-moistener. No. 1,080,141; Dec. 2; Gaz. vol. 197; p. 78.
- De Laney, Edward M., and H. M. Bryant, assignors of one-fifth to Z. T. Bryant, Portland, Oreg. Stopper attachment for cans. No. 1,082,850; Dec. 30; Gaz. vol. 197; p. 1133.

Alphabetical list of patentees—Continued.

- De Laney, John C., Watertown, Mass. Shaft-coupling. No. 1,056,889; Mar. 25; Gaz. vol. 188; p. 857.
- De Large, Robert, Ray, Ariz. Vanner concentrating-belt. No. 1,082,309; Dec. 23; Gaz. vol. 197; p. 914.
- De Laski & Thropp Circular Woven Tire Company, The. (See Thropp, Peter D., assignor.)
- De Laval Separator Company, The. (See Goebler, Charles, assignor.)
- De Laval Separator Company, The. (See Hulbert, John L., assignor.)
- De Laval Separator Company, The. (See Wennberg, Sven, assignor.)
- De Laval Separator Company, The. (See Wright, Bert R., assignor.)
- De Laval Steam Turbine Company. (See Kennedy, Frank W., assignor.)
- De Laval Steam Turbine Company. (See Peterson, Per A., assignor.)
- De Laval Steam Turbine Company. (See Waller, Carl R., assignor.)
- De Lappe, Charles C., Dorchester, Mass. Sash-lock. No. 1,067,508; July 15; Gaz. vol. 192; p. 619.
- De Leeuw, Adolph L., assignor to The Cincinnati Milling Machine Company, Cincinnati, Ohio. Tooth-rest. No. 1,071,634; Aug. 26; Gaz. vol. 193; p. 968.
- De Leeuw, Adolph L., assignor to The Cincinnati Milling Machine Company, Cincinnati, Ohio. Cutter-setting dial. No. 1,075,285; Oct. 7; Gaz. vol. 195; p. 242.
- De Leeuw, Adolph L., Cincinnati, assignor to The Cincinnati Milling Machine Company, Oakley, Ohio. Gear-cutter grinder. No. 1,078,540; Nov. 11; Gaz. vol. 196; p. 478.
- De Leon, Carlos, assignor to R. N. King, Dayton, Ohio. Tobacco-harvester. No. 1,055,023; Mar. 4; Gaz. vol. 188; p. 126.
- De Long, Harry A., Ephrata, Pa. Insulator. No. 1,055,322; Mar. 11; Gaz. vol. 188; p. 260.
- De Long Hook and Eye Company, The. (See Cliff, George H., assignor.)
- De Long Hook and Eye Company, The. (See Cliff and Galt, assignors.)
- De Long Hook and Eye Company, The. (See Williams, James P., assignor.)
- De Long, John S., Osborn, Ohio. Transplanter. No. 1,062,585; May 27; Gaz. vol. 190; p. 803.
- De Long, John S., Osborn, Ohio. Weeder and soil-pulverizer. No. 1,081,437; Dec. 16; Gaz. vol. 197; p. 589.
- De Lorenzo, Guio D., Utica, N. Y. Razor. No. 1,056,404; Mar. 18; Gaz. vol. 188; p. 658.
- De Lukasevics, Charles, New York, N. Y. Siphon-head. No. 1,061,857; May 13; Gaz. vol. 190; p. 475.
- De Lukasevics, Charles, West Nutley, N. J. Internal-combustion engine. No. 1,081,816; Dec. 16; Gaz. vol. 197; p. 716.
- De Marais, D. E. (See Stewart, Frank, assignor.)
- De Marais, Victor, assignor of one-half to G. E. Gardner, Oroville, Cal. Firearm. No. 1,055,147; Mar. 4; Gaz. vol. 188; p. 166.
- De Mendoza ver Mehr, John M. (See Owen, John S., assignor.)
- De Mill, Roy M., Stevensville, Mont. Current-motor. No. 1,071,513; Aug. 26; Gaz. vol. 193; p. 927.
- De Milt, David G., assignor of one-half to J. Maas, Tampa, Fla. Water-faucet. No. 1,054,910; Mar. 4; Gaz. vol. 188; p. 88.
- De Mont, John J., Bayonne, N. J. Smoke-consumer and fume-arrester. No. 1,056,011; Mar. 18; Gaz. vol. 188; p. 526.
- De Moulin, Emil, National City, Ill. Pneumatic hog and cattle splitter. No. 1,060,169; Apr. 29; Gaz. vol. 189; p. 1107.
- De Neergaard, Lewis E., Port Chester, assignor, by mesne assignments, to Technology Sales Co., Inc., New York, N. Y. Sash-lock. No. 1,072,099; Sept. 2; Gaz. vol. 194; p. 146.
- De Neergaard, Lewis E., Port Chester, assignor, by mesne assignments, to Technology Sales Co., Inc., New York, N. Y. Adjustable sash-lock. No. 1,072,100; Sept. 2; Gaz. vol. 194; p. 146.
- De Nick, Frank, and J. F. M. Baldi, Philadelphia, Pa. Display device. No. 1,055,886; Mar. 11; Gaz. vol. 188; p. 450.
- De Nick, Frank, and J. F. M. Baldi, Philadelphia, Pa. Collapsible boat. No. 1,055,887; Mar. 11; Gaz. vol. 188; p. 450.
- De Pasquale, Angelo R. (See Sghelli, Rodolfo, assignor.)
- De Pass, Addison R., Columbia, S. C. Jaw-brace. No. 1,081,296; Dec. 16; Gaz. vol. 197; p. 542.
- De Paul, Alfonso. (See Sacca, Anthony, assignor.)
- De Peel, Gay V., Crocker, S. D. Draft appliance for automobiles. No. 1,054,831; Mar. 4; Gaz. vol. 188; p. 62.
- De Puy, Edward S., Oakland, Cal. Composite letter and attachment. (Reissue.) No. 13,525; Feb. 11; Gaz. vol. 187; p. 477.
- De Puy, Ira M., Hackensack, N. J. Registering device. No. 1,064,620; June 10; Gaz. vol. 191; p. 530.
- De Raasloff, Harald, and T. E. Brown, New York, N. Y. Centrifugal separation. No. 1,050,622; Jan. 14; Gaz. vol. 186; p. 479.
- De Raasloff, Harald, and T. E. Brown, New York, N. Y. Centrifugal separation. No. 1,050,720; Jan. 14; Gaz. vol. 186; p. 509.
- De Reamer, Frank C., Schenectady, N. Y., assignor to General Electric Company. Electric switch. No. 1,059,846; Apr. 22; Gaz. vol. 189; p. 956.
- De Rehlinger, Alexis, Los Angeles, Cal. Concrete construction. No. 1,064,056; June 10; Gaz. vol. 191; p. 338.
- De Remer, William L., Chicago, Ill. Rolling tie-plates. No. 1,066,383; July 1; Gaz. vol. 192; p. 168.
- De Remer, William L., Chicago, Ill. Tie-plate. No. 1,075,312; Oct. 7; Gaz. vol. 195; p. 252.
- De Rosa, Gennaro, New York, N. Y. Valve for closet-tanks. No. 1,064,621; June 10; Gaz. vol. 191; p. 530.
- De Simone, Michele G. (See Berardini and De Simone.)
- De Simone, Michele G., assignor to A. C. Scavullo, New York, N. Y. Coffee-making machine. No. 1,063,188; June 3; Gaz. vol. 191; p. 7.
- De Smith, Henry, assignor to M. D. Knowlton Company, Rochester, N. Y. Sheet-feeding mechanism. No. 1,055,719; Mar. 11; Gaz. vol. 188; p. 393.
- De Smith, Henry, assignor to M. D. Knowlton Company, Rochester, N. Y. Carton. No. 1,081,724; Dec. 16; Gaz. vol. 197; p. 683.
- De Smith, Henry, and C. R. Seymour, assignors to M. D. Knowlton Company, Rochester, N. Y. Scoring-machine. No. 1,054,962; Mar. 4; Gaz. vol. 188; p. 104.
- De Trey & Sons, E. (See De Ford, William H., assignor.)
- De Valdes, Elena M., New York, N. Y. Bottle-stopper. No. 1,080,331; Dec. 2; Gaz. vol. 197; p. 144.
- De Viese, McRoy, Fresno, Cal. Plow. No. 1,050,923; Jan. 21; Gaz. vol. 186; p. 618.
- De Viese, McRoy, Fresno, Cal. Traction-engine. No. 1,051,201; Jan. 21; Gaz. vol. 186; p. 711.
- De Vilbiss, Allen, Jr., assignor to Toledo Computing Scale Company, Toledo, Ohio. Weighing-scale. No. 1,053,582; Feb. 18; Gaz. vol. 187; p. 672.
- De Vilbiss, Allen, Jr., Toledo, Ohio, assignor to Toledo Scale Company, Newark, N. J. Scale. No. 1,063,169; May 27; Gaz. vol. 190; p. 996.
- De Vilbiss Manufacturing Company, The. (See De Vilbiss, Thomas A., assignor.)
- De Vilbiss, Thomas A., Toledo, Ohio. Automatic article-coating machine. No. 1,070,428; Aug. 19; Gaz. vol. 193; p. 532.
- De Vilbiss, Thomas A., Toledo, Ohio. Pump. No. 1,070,429; Aug. 19; Gaz. vol. 193; p. 532.
- De Vilbiss, Thomas A., assignor to The De Vilbiss Manufacturing Company, Toledo, Ohio. Spray-head. No. 1,052,223; Feb. 4; Gaz. vol. 187; p. 131.
- De Villa, John F., assignor of one-half to T. C. Van Ness, Jr., San Francisco, Cal. Aeroplane. No. 1,056,643; Mar. 18; Gaz. vol. 188; p. 743.
- De Voe, Albert H., Elizabeth, N. J., assignor to The Singer Manufacturing Company. Thread-controller for sewing-machines. No. 1,060,540; Apr. 29; Gaz. vol. 189; p. 1238.
- De Voe, Albert H., Elizabeth, N. J., assignor to The Singer Manufacturing Company. Ruffling and stitching machine. No. 1,074,845; Oct. 7; Gaz. vol. 195; p. 87.
- De Voe, Albert H., Westfield, N. J., assignor to The Singer Manufacturing Company. Sewing-machine presser-foot. No. 1,081,586; Dec. 16; Gaz. vol. 197; p. 638.
- De Voe, Earl C. (See Rickard and De Voe.)
- De Vos, Leopold, and A. F. Sanders, Minneota, Minn. Grain-separator. No. 1,053,791; Feb. 18; Gaz. vol. 187; p. 743.
- De Wallace, Harry, assignor of one-half to C. Gabrielson, Syracuse, N. Y. Electric water-heater. No. 1,069,679; Aug. 12; Gaz. vol. 193; p. 233.
- De Wein, George F., Milwaukee, Wis., assignor, by mesne assignments, to H. W. Johns-Manville Company, New York, N. Y. Packing-expander. No. 1,079,404; Nov. 25; Gaz. vol. 196; p. 838.
- De Wein, George F., Milwaukee, Wis., assignor, by mesne assignments, to Allis-Chalmers Manufacturing Company, Vanner. No. 1,081,894; Dec. 16; Gaz. vol. 197; p. 741.
- De Wein, George F., Milwaukee, Wis., assignor, by mesne assignments, to Allis-Chalmers Manufacturing Company. Trimmer-saw. No. 1,083,006; Dec. 30; Gaz. vol. 197; p. 1187.
- De Witt, Bart C., *et al.* (See De Hymel, Franklin O., assignor.)
- De Witt, Clarence E., Mount Jewett, Pa. Engine-muffler. No. 1,061,272; May 13; Gaz. vol. 190; p. 278.
- De Wolfe, Willis H., assignor to Reading Hardware Company, Reading, Pa. Glass-knob shank. No. 1,059,659; Apr. 22; Gaz. vol. 189; p. 895.
- De Zeng, Henry L., Maple Shade, N. J. Optical instrument. No. 1,059,715; Apr. 22; Gaz. vol. 189; p. 914.
- De Zeng, Henry L., Maple Shade, N. J. Ophthalmoscope. No. 1,066,386; July 1; Gaz. vol. 192; p. 169.
- De Zeng, Henry L., Maple Shade, N. J. Optical instrument. No. 1,068,226; July 22; Gaz. vol. 192; p. 896.
- De Zeng, Henry L., Philadelphia, Pa. Auriscope. No. 1,062,698; May 27; Gaz. vol. 190; p. 841.
- Deacon, George B., London, Ontario, Canada. Carpet-sweeper. No. 1,079,694; Nov. 25; Gaz. vol. 196; p. 938.

Alphabetical list of patentees—Continued.

- Deacon, Martin, and W. Gore, London, England. Apparatus for mixing liquids. No. 1,050,111; Jan. 14; Gaz. vol. 186; p. 303.
- Deacon, Martin, and W. Gore, London, England. Apparatus for adding reagents to liquids or for mixing liquids. No. 1,056,780; Mar. 25; Gaz. vol. 188; p. 820.
- Denderick, Thomas, Nashville, Tenn. Electrical appliance. No. 1,052,044; Feb. 4; Gaz. vol. 187; p. 69.
- Deagan, John C., Chicago, Ill. Musical bell. No. 1,052,713; Feb. 11; Gaz. vol. 187; p. 328.
- Deakins, Henry B., Logan, Iowa. Clevis. No. 1,079,476; Nov. 25; Gaz. vol. 196; p. 862.
- Deal, Josiah J., deceased, Canton, Ohio; O. F. Deal, administrator. Necktie-holder. No. 1,065,509; June 24; Gaz. vol. 191; p. 900.
- Deal, Oman F., administrator. (See Deal, Josiah J.)
- Deam, Harry. (See Desmond, John, assignor.)
- Dean, Albert E., *et al.* (See Barnes, Bartlett J., assignor.)
- Dean, Alexander, Los Angeles, Cal. Device for refining and coking oil. No. 1,053,282; Feb. 18; Gaz. vol. 187; p. 568.
- Dean, Clark A., Harvey, Ill. Lighting system for vehicles. No. 1,072,096; Sept. 2; Gaz. vol. 194; p. 145.
- Dean Electric Company, The. (See Manson, Ray H., assignor.)
- Dean, Elmer G. (See Woodward and Dean.)
- Dean, Elmer G., assignor to Automatic Liquid Box Company, Niagara Falls, N. Y. Tube-making machine. No. 1,054,961; Mar. 4; Gaz. vol. 188; p. 103.
- Dean, Ernest W., Harrington, assignor of one-half to W. T. Bennett, Laurel, Del. Means for transmitting train-orders. No. 1,083,197; Dec. 30; Gaz. vol. 197; p. 1244.
- Dean, Francis J., assignor to F. J. Dean Manufacturing Company, Los Angeles, Cal. Key-holder. No. 1,052,802; Feb. 11; Gaz. vol. 187; p. 359.
- Dean, George R., Chicago, Ill. Power-transmitting device. No. 1,050,351; Jan. 14; Gaz. vol. 186; p. 385.
- Dean, Henry A., assignor of one-fourth to J. B. Sullivan, Rome, one-fourth to W. D. Paden and one-fourth to W. A. Parker, Atlanta, Ga. Handle-mount for plows. No. 1,059,844; Apr. 22; Gaz. vol. 189; p. 955.
- Dean, James H., St. Paul, Minn., assignor, by mesne assignments, to Empire Voting Machine Company. Voting-machine. No. 1,055,449; Mar. 11; Gaz. vol. 188; p. 305.
- Dean, James H., Chicago, Ill., assignor, by mesne assignments, to Empire Voting Machine Company. Voting-machine. No. 1,055,450; Mar. 11; Gaz. vol. 188; p. 305.
- Dean, James H., Chicago, Ill., assignor to Empire Voting Machine Company, Jamestown, N. Y. Voting-machine. No. 1,055,451; Mar. 11; Gaz. vol. 188; p. 305.
- Dean, James H., Chicago, Ill., assignor to Empire Voting Machine Company, Jamestown, N. Y. Voting-machine. No. 1,055,452; Mar. 11; Gaz. vol. 188; p. 306.
- Dean, James H., Chicago, Ill., assignor, by mesne assignments, to Empire Voting Machine Company. Voting-machine. No. 1,066,588; July 8; Gaz. vol. 192; p. 268.
- Dean, James H., Chicago, Ill., assignor to Empire Voting Machine Company, Jamestown, N. Y. Voting-machine. No. 1,066,589; July 8; Gaz. vol. 192; p. 269.
- Dean, James H., Chicago, Ill., assignor, by mesne assignments, to Empire Voting Machine Company. Voting-machine. No. 1,069,322; Aug. 5; Gaz. vol. 193; p. 81.
- Dean, James H., Chicago, Ill., assignor, by mesne assignments, to Empire Voting Machine Company. Voting-machine. No. 1,072,922; Sept. 9; Gaz. vol. 194; p. 461.
- Dean, James H., Chicago, Ill., assignor to Empire Voting Machine Company, Jamestown, N. Y. Voting-machine. No. 1,073,407; Sept. 16; Gaz. vol. 194; p. 670.
- Dean, James H., Chicago, Ill., assignor, by mesne assignments, to Triumph Voting Machine Company. Voting-machine. No. 1,074,314; Sept. 30; Gaz. vol. 194; p. 1028.
- Dean, James H., Chicago, Ill., assignor, by mesne assignments, to The Triumph Voting Machine Company. Interlocking mechanism for voting-machines. No. 1,080,063; Dec. 2; Gaz. vol. 197; p. 29.
- Dean, John H., Birmingham, Ala. Fastening means for butt-joint metal culverts. No. 1,073,965; Sept. 23; Gaz. vol. 194; p. 883.
- Dean, John H., Birmingham, Ala. Sheet-metal culvert. No. 1,086,329; Dec. 2; Gaz. vol. 197; p. 144.
- Dean, John H., Birmingham, Ala. Fastening means for butt-joint metal culverts. No. 1,081,295; Dec. 16; Gaz. vol. 197; p. 541.
- Dean, John H., Birmingham, Ala. Sheet-metal culvert. No. 1,083,062; Dec. 30; Gaz. vol. 197; p. 1204.
- Dean, John H., Birmingham, Ala., assignor to The U. S. Sheet & Metal Culvert Co. Sheet-metal culvert. No. 1,049,816; Jan. 7; Gaz. vol. 186; p. 170.
- Dean, John H., Birmingham, Ala., assignor to The U. S. Sheet & Metal Culvert Co. Sheet-metal culvert. No. 1,049,817; Jan. 7; Gaz. vol. 186; p. 170.
- Dean, John H., Birmingham, Ala., assignor to The U. S. Sheet & Metal Culvert Co. Sheet-metal culvert. No. 1,050,055; Jan. 7; Gaz. vol. 186; p. 250.
- Dean, John H., Birmingham, Ala., assignor to The U. S. Sheet & Metal Culvert Co. Sheet-metal culvert. No. 1,050,056; Jan. 7; Gaz. vol. 186; p. 251.
- Dean, Philip C., Roscoe, Mont. Wire-stretcher. No. 1,075,337; Oct. 14; Gaz. vol. 195; p. 285.
- Dean Rapid Telegraph Co. (See Wood, George, assignor.)
- Dean, Richmond, assignor to The Pullman Company, Chicago, Ill. Car. No. 1,055,615; Mar. 11; Gaz. vol. 188; p. 357.
- Dean, William H., Newark, Del. Wheel. No. 1,068,572; July 29; Gaz. vol. 192; p. 1053.
- Dean, William H., Sioux City, Iowa. Stream-deflector. No. 1,080,049; Dec. 2; Gaz. vol. 197; p. 45.
- Dean, William W., Chicago, Ill., assignor, by mesne assignments, to Consolidated Fire Alarm Company, New York, N. Y. Combined telephone and fire-alarm system. No. 1,056,637; Mar. 18; Gaz. vol. 188; p. 740.
- Dean, William W., Elyria, Ohio, assignor to The Consolidated Fire Alarm Company, New York, N. Y. Thermostat. No. 1,056,638; Mar. 18; Gaz. vol. 188; p. 741.
- Deaner, William F. (See Word, John R., assignor.)
- Dear, William Y., Jersey City, N. J. Bundling-machine. No. 1,055,022; Mar. 4; Gaz. vol. 188; p. 125.
- Dear, William Y., and E. S. Cole, assignors to The Jersey City Printing Company, Jersey City, N. J. Protective device for printing-presses or the like. No. 1,068,573; July 29; Gaz. vol. 192; p. 1054.
- Dear, William Y., and E. S. Cole, assignors to The Jersey City Printing Company, Jersey City, N. J. Protective device for printing-presses or the like. No. 1,071,608; Aug. 26; Gaz. vol. 193; p. 959.
- Dearborn Drug & Chemical Works. (See Cooper, Joseph H., assignor.)
- Dearborn Hardware Manufacturing Company. (See Allen, Joseph E., assignor.)
- Dearborn Novelty Company. (See Armstrong, Thomas H., assignor.)
- Dearborn, Richard J., Beverly, Mass., assignor of one-half to S. O. Tarbox, Farmington, Me. Knife-sharpener. No. 1,069,768; Aug. 12; Gaz. vol. 193; p. 264.
- Deardorff, George A., Occoquan, Va. Route-indicator. No. 1,050,434; Jan. 14; Gaz. vol. 186; p. 414.
- Deardorff, George A., Occoquan, Va., assignor of one-fourth to H. M. Taylor, Canal Dover, Ohio. Road-map for automobiles. No. 1,068,112; July 22; Gaz. vol. 192; p. 855.
- Deardorff, Ray P., Buffalo, N. Y. Speed-governing mechanism. No. 1,082,225; Dec. 23; Gaz. vol. 197; p. 882.
- Dearwood, Joseph S., Sault Ste. Marie, Mich. Landing-ladder for ships. No. 1,067,002; July 8; Gaz. vol. 192; p. 409.
- Deason, Adolphus E., assignor of one-fourth to R. S. Bridgman, Poteau, Okla. Safety check or draft cutter. No. 1,069,534; Aug. 5; Gaz. vol. 193; p. 154.
- Deatrich, George W., Sr., Schuylkill Haven, Pa. Car-fender. No. 1,066,382; July 1; Gaz. vol. 192; p. 167.
- Deats, William. (See Scott and Deats.)
- Deats, William, Yonkers, N. Y., assignor to Otis Elevator Company, Jersey City, N. J. Mechanically-operated accelerating mechanism. No. 1,077,395; Nov. 4; Gaz. vol. 196; p. 55.
- Deats, William, and C. Scott, Yonkers, N. Y., assignors to National Carbon Company, Cleveland, Ohio. Making electrical conductors. No. 1,067,003; July 8; Gaz. vol. 192; p. 410.
- Deavenport, James M. (See Sisler and Deavenport.)
- Debacher, Robert R., Hoboken, N. J. Combined powder-box and mirror. No. 1,055,616; Mar. 11; Gaz. vol. 188; p. 358.
- Debacher, Robert R., Hoboken, N. J. Combined framing and handle for toilet articles. No. 1,075,698; Oct. 14; Gaz. vol. 195; p. 409.
- Debauge, Henry P. C. G. (See Bary, Charles P., assignor.)
- Debbas, Démétrius, Paris, France. Machine for manufacturing leaden seals. No. 1,083,198; Dec. 30; Gaz. vol. 197; p. 1244.
- Debeuckelaere, Adonis C., *et al.* (See Maxwell, Grover C., assignor.)
- Debeuckelaere, William H., *et al.* (See Maxwell, Grover C., assignor.)
- Debrosee, Michael L., Jr. (See Dignon and Debrosee.)
- Decarie, Alexander S. (See Decarie, Felix L., A. S., and L. A. R.)
- Decarie, Felix L., A. S., and L. A. R., Minneapolis, Minn. Incinerator. No. 1,065,864; June 24; Gaz. vol. 191; p. 1019.
- Decarie, Louis A. R. (See Decarie, Felix L., A. S., and L. A. R.)
- Decastiau, Berthe A. A. G., residuary legatee. (See Decastiau, Henry S.)
- Decastiau, Henry S., deceased, Levallois-Perret; B. A. A. G. vve. Decastiau, residuary legatee, Paris, France. Means for maintaining uniformity of motion of spring-driven mechanism. No. 1,063,781; June 3; Gaz. vol. 191; p. 211.
- Dechnik, Thomas, South Chicago, Ill. Drill-chuck. No. 1,075,699; Oct. 14; Gaz. vol. 195; p. 409.
- Decius, Hiram B., Boise, Idaho. Ice-creeper. No. 1,055,144; Mar. 4; Gaz. vol. 188; p. 165.
- Deck, Charles F., Toronto, Ontario, Canada. Sash. No. 1,065,032; June 17; Gaz. vol. 191; p. 701.

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- Deckard, Charles L., Pittsburg, Kans. Chuck for planing-machines. No. 1,071,215; Aug. 26; Gaz. vol. 193; p. 830.
- Deckebach, Henry E., Cincinnati, Ohio. Combined cooler and carbonator for liquids. No. 1,075,408; Oct. 14; Gaz. vol. 195; p. 311.
- Decker, Alexander, Montgomery, Pa. Shock-absorber for vehicles. No. 1,056,639; Mar. 18; Gaz. vol. 188; p. 741.
- Decker, Alonzo G., Orangeville, Md., assignor to International Taximeter Company of America, New York, N. Y. Fare-indicator. No. 1,058,222; Apr. 8; Gaz. vol. 189; p. 328.
- Decker & Cohn, Alfred. (See Peine, Adolphus G., assignor.)
- Decker, Emmet S. (See Decker, William H., assignor.)
- Decker, Harry R., Houston, Tex. Rotary and method of securing the pipe-gripping device thereon. No. 1,054,512; Feb. 25; Gaz. vol. 187; p. 1025.
- Decker, Harry R., Houston, Tex. Aeroplane. No. 1,057,225; Mar. 25; Gaz. vol. 188; p. 973.
- Decker, Herman, Hanover, assignor to Farbenfabriken vorm. Friedr. Bayer & Co., Elberfeld, Germany. Alkylhomopiperonylamins and making them. No. 1,073,966; Sept. 23; Gaz. vol. 194; p. 883.
- Decker, Robert M., West Newton, Pa. Machine for manufacturing envelopes. No. 1,062,954; May 27; Gaz. vol. 190; p. 926.
- Decker, Walter, Zella St. Bl., Germany. Revolver. No. 1,067,004; July 8; Gaz. vol. 192; p. 410.
- Decker, William H., assignor of one-third to E. S. Decker, Youngstown, Ohio. Paper-hanging appliance. No. 1,058,159; Apr. 8; Gaz. vol. 189; p. 306.
- Deckert, August E. C., Dresden, Germany. Apparatus for recording speeds of vehicles. No. 1,054,398; Feb. 25; Gaz. vol. 187; p. 986.
- Decoteau, Paul, Dutchtown, La. Cattle-guard. No. 1,069,116; Aug. 5; Gaz. vol. 193; p. 9.
- Dee, Daniel, Chicago, Ill. Fire-back. No. 1,068,418; July 29; Gaz. vol. 192; p. 1002.
- Dee, Daniel, Kansas City, Mo., assignor to Dee Manufacturing Company, Pocatello, Idaho. Grate-bar. No. 1,064,820; June 17; Gaz. vol. 191; p. 633.
- Dee Manufacturing Company. (See Dee, Daniel, assignor.)
- Deegan, Edward J., New York, N. Y. Regulator. No. 1,064,714; June 17; Gaz. vol. 191; p. 598.
- Deem, Addison P. S., Belpre, Ohio. Hose-supporter. No. 1,050,813; Jan. 21; Gaz. vol. 186; p. 577.
- Deemar, Henry V., St. Louis, Mo. Steam-generator. No. 1,058,850; Apr. 15; Gaz. vol. 189; p. 582.
- Deemer, Selden S., New Castle, Del., assignor of one-half to B. T. Allen, Harrisburg, Pa. Tide-motor. No. 1,067,977; July 22; Gaz. vol. 192; p. 811.
- Deems, John F., Burlington, Iowa, assignor to Economy Car Heating Company, Portland, Me. Steam-controlling apparatus. No. 1,065,347; June 24; Gaz. vol. 191; p. 843.
- Deems, John F., Burlington, Iowa, and W. V. Turner, Edgewood, Pa., assignors to Economy Car Heating Company, Portland, Me. Steam-controlling apparatus. No. 1,063,664; June 3; Gaz. vol. 191; p. 172.
- Deeney, John H., and F. H. Kamps, Los Angeles, Cal. Combined artist's case and easel. No. 1,069,879; Aug. 12; Gaz. vol. 193; p. 302.
- Deere & Company. (See Cotter, George L., assignor.)
- Deere & Company. (See Kiel, John, assignor.)
- Deere & Company. (See Poole, Staley D., assignor.)
- Deere & Company. (See Sklovsky, Max, assignor.)
- Deere & Mansur Co. (See Friberg, Charles P. A., assignor.)
- Deere & Mansur Company. (See White, Charles E., assignor.)
- Deery, Daniel H., Bridgeport, Conn. Resilient tire for trucks. No. 1,077,683; Nov. 4; Gaz. vol. 196; p. 152.
- Dees, Mark A., Pascagoula, Miss., and T. M. Dees, Midlothian, Tex., assignors to American Tire Company, St. Louis, Mo. Antiskidding vehicle wheel-tire. No. 1,067,507; July 15; Gaz. vol. 192; p. 619.
- Dees, Otis B., and P. F. McIntosh, Mayo, Fla. Skimmer for making syrup. No. 1,077,331; Nov. 4; Gaz. vol. 196; p. 31.
- Dees, Thomas M. (See Dees, Mark A. and T. M.)
- Defiance Machine Works. (See Ensign, George A., assignor.)
- Defiance Machine Works. (See Root and Ensign, assignors.)
- Defiance Manufacturing Company. (See Marx, Richard, assignor.)
- Defiance Pressed Steel Company, The. (See Klenk, Gottlieb, assignor.)
- Defoy, Iréné, Quebec, Quebec, Canada. Automatic regulating-valve. No. 1,060,067; Apr. 29; Gaz. vol. 189; p. 1073.
- Degaille, Pierre A. (See Laird, Menteyne, and Degaille.)
- Degaille, Pierre A. (See Menteyne and Degaille.)
- Degener, Gustave O., New York, N. Y., and H. Resch, Bayonne, N. J., assignors to Underwood Computing Machine Company, New York, N. Y. Combined type-writing and computing machine. No. 1,077,684; Nov. 4; Gaz. vol. 196; p. 152.
- Degener, Heinrich, Berlin, Germany, assignor to Mergenthaler Linotype Company. Type-setting and line-casting machine. No. 1,055,300; Mar. 4; Gaz. vol. 188; p. 215.
- Degener, Heinrich, Berlin, Germany, assignor to Mergenthaler Linotype Company. Linotype-machine. No. 1,055,301; Mar. 4; Gaz. vol. 188; p. 215.
- Degener, Heinrich, Berlin, Germany, assignor to Mergenthaler Linotype Company. Trimming apparatus of type-line-casting machines. No. 1,055,302; Mar. 4; Gaz. vol. 188; p. 215.
- Degener, Heinrich, Berlin, Germany, assignor to Mergenthaler Linotype Company. Line setting and casting machine. No. 1,066,086; July 1; Gaz. vol. 192; p. 65.
- Degener, Heinrich, Berlin, Germany, assignor to Mergenthaler Linotype Company. Matrix-setting and type-line-casting machine. No. 1,067,590; July 15; Gaz. vol. 192; p. 646.
- Degener, Heinrich, Berlin, Germany, assignor to Mergenthaler Linotype Company. Type-setting and line-casting machine. No. 1,067,591; July 15; Gaz. vol. 192; p. 647.
- Degener, Heinrich, Berlin, Germany, assignor to Mergenthaler Linotype Company. Matrix-setting and line-casting machine. No. 1,067,592; July 15; Gaz. vol. 192; p. 647.
- Degener, Heinrich, Berlin, Germany, assignor to Mergenthaler Linotype Company. Line setting and casting machine. No. 1,069,927; Aug. 12; Gaz. vol. 193; p. 319.
- Degener, Heinrich, Berlin, Germany, assignor to Mergenthaler Linotype Company. Type-casting machine. No. 1,070,876; Aug. 19; Gaz. vol. 193; p. 681.
- Degener, Heinrich, Berlin, Germany, assignor to Mergenthaler Linotype Company. Line setting and casting machine for producing mixed copy. No. 1,070,947; Aug. 19; Gaz. vol. 193; p. 704.
- Degener, Heinrich, Berlin, Germany, assignor to Mergenthaler Linotype Company. Matrix-setting and type-line-casting machine. No. 1,074,843; Oct. 7; Gaz. vol. 195; p. 86.
- Degener, Heinrich, Berlin, Germany, assignor to Mergenthaler Linotype Company. Line setting and casting machine. No. 1,075,024; Oct. 7; Gaz. vol. 195; p. 150.
- Degener, Heinrich, Berlin, Germany, assignor to Mergenthaler Linotype Company. Mold-carrier of machines for casting printing-bars. No. 1,075,141; Oct. 7; Gaz. vol. 195; p. 190.
- Degener, Heinrich, Berlin, Germany, assignor to Mergenthaler Linotype Company. Matrix-setting and line-casting machine. No. 1,076,408; Oct. 21; Gaz. vol. 195; p. 682.
- Degener, Heinrich, Berlin, Germany, assignor to Mergenthaler Linotype Company. Typographical line-casting machine. No. 1,076,487; Oct. 21; Gaz. vol. 195; p. 709.
- Degener, Heinrich, Berlin, Germany, assignor to Mergenthaler Linotype Company. Matrix-setting and type-line-casting machine. No. 1,077,332; Nov. 4; Gaz. vol. 196; p. 32.
- Degener, Heinrich, Berlin, Germany, assignor to Mergenthaler Linotype Company. Matrix for type-setting and line-casting machines. No. 1,080,330; Dec. 2; Gaz. vol. 197; p. 144.
- Degenfelder, Alois J., Buffalo, N. Y. Device for supporting containers. No. 1,077,190; Oct. 28; Gaz. vol. 195; p. 1004.
- Dehl, Heinrich, Cologne-Lindenthal, assignor to Bergische Märkische Steinindustrie, Aktiengesellschaft, Cologne-on-the-Rhine, Germany. Stone-cutting chisel. No. 1,063,018; May 27; Gaz. vol. 190; p. 946.
- Dehlin, August G., Seattle, assignor of one-third to A. A. Hilton, Tacoma, Wash. Shingle-cutting machine. No. 1,063,914; June 3; Gaz. vol. 191; p. 255.
- Dehn, George J., Chicago, Ill. Grease-trap. No. 1,071,889; Sept. 2; Gaz. vol. 194; p. 76.
- Dehnenbach, Robert, Jersey City, N. J. Non-refillable bottle. No. 1,068,113; July 22; Gaz. vol. 192; p. 856.
- Dehu, Arthur, Brussels, Belgium. Grease-box for the axles of vehicles. No. 1,071,989; Sept. 2; Gaz. vol. 194; p. 109.
- Deidesheimer, August, Neustadt-on-the-Hardt, Germany. Paving-block composition. No. 1,062,771; May 27; Gaz. vol. 190; p. 864.
- Deidesheimer, Matilda, et al. (See Moran and Mosher, assignors.)
- Deisher, John R., Pottsville, Pa. Car-coupling. No. 1,079,221; Nov. 18; Gaz. vol. 196; p. 746.
- Deister, William F., Fort Wayne, Ind. Slime-concentrator. No. 1,071,714; Sept. 2; Gaz. vol. 194; p. 15.
- Deister, William F., Fort Wayne, Ind. Process and apparatus for classifying crushed ores. No. 1,071,715; Sept. 2; Gaz. vol. 194; p. 15.
- Dekan, Frank K., and A. Glauber, Lorain, Ohio. Music-leaf turner. No. 1,059,445; Apr. 22; Gaz. vol. 189; p. 825.
- Dekan, Frank K., and A. Glauber, Lorain, Ohio. Automatic gate for railway-crossings. No. 1,078,421; Nov. 11; Gaz. vol. 196; p. 440.
- Dekker, Nicolas H. M., Paris, France. Treatment of ores. No. 1,075,409; Oct. 14; Gaz. vol. 195; p. 311.
- Del Giudice, Angelo. (See Gentile and Del Giudice.)

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- Del Prato, Cesare. (See Del Prato, Vincenzina, G., V., C., and M.)
- Del Prato, Giovanni. (See Del Prato, Vincenzina, G., V., C., and M.)
- Del Prato, Maria. (See Del Prato, Vincenzina, G., V., C., and M.)
- Del Prato, Vincenzo. (See Del Prato, Vincenzina, G., V., C., and M.)
- Del Prato, nata Viscardi, Vincenzina, G., V., C., and M., Naples, Italy. Separating vegetable or animal fiber. No. 1,061,902; May 13; Gaz. vol. 190; p. 490.
- Delac Plaster Company. (See MacColl and Cameron, assignors.)
- Delahanty, Clarence P., West Pittston, Pa. Dyeing-machine. No. 1,059,845; Apr. 22; Gaz. vol. 189; p. 955.
- Delaney, Henry J., Milwaukee, Wis. Smoke-purifier. No. 1,067,321; July 15; Gaz. vol. 192; p. 557.
- Delaney, John T., Worcester, Mass. Blanket-holder for automobiles and the like. No. 1,056,155; Mar. 18; Gaz. vol. 188; p. 576.
- Delaney, Thomas A., Chicago, Ill., assignor to Hills-McCanna Co. Pneumatic motor. No. 1,078,598; Nov. 11; Gaz. vol. 196; p. 498.
- Delaney, Thomas J., Paterson, N. J. Sand-box for street-cars. No. 1,063,019; May 27; Gaz. vol. 190; p. 946.
- Delano, Ira L., Rocklin, Cal. Bush-hammer for the bushing and cutting of granite. No. 1,054,184; Feb. 25; Gaz. vol. 187; p. 913.
- Delano, P. H., et al. (See Watson, Alexander, assignor.)
- Delano, Paul H., Kingston, Mass. Valve. No. 1,057,226; Mar. 25; Gaz. vol. 188; p. 974.
- Delany, Edward L., New York, N. Y. Ball-cock. No. 1,070,234; Aug. 12; Gaz. vol. 193; p. 424.
- Delany, Edward L., New York, N. Y. Valve for flush-tanks. No. 1,077,457; Nov. 4; Gaz. vol. 196; p. 77.
- Delany, Patrick B., South Orange, N. J. Telegraphy. No. 1,060,325; Apr. 29; Gaz. vol. 189; p. 1164.
- Delany, Patrick B., South Orange, N. J., assignor to Telepost Company, New York, N. Y. Automatic telegraphy. No. 1,052,219; Feb. 4; Gaz. vol. 187; p. 130.
- Delaunay-Belleville, Louis M. G., Paris, assignor to The Société Anonyme des Automobiles Delaunay-Belleville, St.-Denis, France. Multiple-cylinder explosion-motor. No. 1,051,866; Feb. 4; Gaz. vol. 187; p. 7.
- Delaunay-Belleville, Louis M. G., Paris, France, assignor to Société Anonyme des Automobiles Delaunay-Belleville, St.-Denis, France. Hydraulic power-transmission mechanism. No. 1,057,623; Apr. 1; Gaz. vol. 189; p. 77.
- Delaunay-Belleville, Robert, assignor to Société Anonyme Des Etablissements Delaunay-Belleville, St. Denis, Seine, France. Valve. No. 1,062,213; May 20; Gaz. vol. 190; p. 638.
- Delaunay-Belleville, Robert, assignor to Société Anonyme des Etablissements Delaunay-Belleville, St.-Denis, France. Water-tube boiler. No. 1,083,199; Dec. 30; Gaz. vol. 197; p. 1245.
- Delaware Leather Machinery Company. (See Anderson, George V., assignor.)
- Delay, Clyde, Sandborn, Ind. Poultry-brooder. No. 1,079,545; Nov. 25; Gaz. vol. 196; p. 886.
- Delbert, Alphonse F., New Orleans, La. Cane-mill. No. 1,056,640; Mar. 18; Gaz. vol. 188; p. 742.
- Delbrück, Konrad. (See Hofmann and Delbrück.)
- Delbrück, Konrad. (See Hofmann, Delbrück, and Meisenburg.)
- Delbrück, Konrad. (See Hofmann, Coutelle, Meisenburg, and Delbrück.)
- Delbrück, Konrad, and K. Meisenburg, assignors to Farbenfabriken vorm. Friedr. Bayer & Co., Elberfeld, Germany. Manufacture and production of a caoutchouc-like material. No. 1,076,195; Oct. 21; Gaz. vol. 195; p. 607.
- Delbrück, Konrad, and K. Meisenburg, assignors to Farbenfabriken vorm. Friedr. Bayer & Co., Elberfeld, Germany. Substance similar to caoutchouc and making same. No. 1,076,196; Oct. 21; Gaz. vol. 195; p. 607.
- Delette, Eugène, Lure, France. Combining-machine. No. 1,058,160; Apr. 8; Gaz. vol. 189; p. 307.
- Delgado, Thomas R., assignor of one-half to J. H. Beck, Trinidad, Colo. Culinary article. No. 1,051,701; Jan. 28; Gaz. vol. 186; p. 913.
- Dell, Phillip J., Jr., assignor of one-half to J. N. King, Rochelle, Ga. Time-controlled alarm system for telephone-exchanges. No. 1,050,765; Jan. 14; Gaz. vol. 186; p. 525.
- Dellinger, Abraham M., Lancaster, Pa. Grinding and crushing mill. No. 1,074,844; Oct. 7; Gaz. vol. 195; p. 86.
- Dellinger, Frank J. (See Marquardt and Dellinger.)
- Dellwik-Fleischer Wassergas Gesellschaft m. b. H. (See Stammschulte, Friedrich, assignor.)
- Delohery, Michael, Danbury, Conn. Hat-pouncing machine. No. 1,068,574; July 29; Gaz. vol. 192; p. 1054.
- Delphos Manufacturing Company, The. (See Leilich, Henry L., assignor.)
- Delsing, Paul, Seattle, Wash. Fireplace-damper. No. 1,049,566; Jan. 7; Gaz. vol. 186; p. 86.
- Delsing, Paul A., Seattle, Wash. Fireplace-damper. No. 1,078,189; Nov. 11; Gaz. vol. 196; p. 357.
- Delta-Star Electric Company. (See Young, Herbert W., assignor.)
- Delvaux, Arthur L., Champaign, Ill. Valve. No. 1,062,144; May 20; Gaz. vol. 190; p. 615.
- Demary, John B., Plattsburg, N. Y. Rail-holding device. No. 1,065,595; June 24; Gaz. vol. 191; p. 929.
- Demas, Demetrios J., Pittsburgh, Pa. Life-preserver. No. 1,060,434; Apr. 29; Gaz. vol. 189; p. 1202.
- Demel, Fritz, London, England. Manufacture of metallic films. No. 1,056,641; Mar. 18; Gaz. vol. 188; p. 742.
- Demel, Fritz, London, England. Substitute for gold-leaf. No. 1,076,197; Oct. 21; Gaz. vol. 195; p. 607.
- Dement, Isaac S., St. Nicholas, Fla. Counting-wheel. No. 1,070,427; Aug. 19; Gaz. vol. 193; p. 532.
- Demeree, Charles E., Binghamton, N. Y. Invalid-carrier. No. 1,050,814; Jan. 21; Gaz. vol. 186; p. 577.
- Demers, Cyrille. (See Lavoie and Demers.)
- Deming Apparatus Company. (See Deming, Eugene W., assignor.)
- Deming Apparatus Company. (See Wedderburn, Augustus, assignor.)
- Deming Company, The. (See Deming, William L., assignor.)
- Deming Company, The. (See Stratton, James M., assignor.)
- Deming, Eli R., San Francisco, Cal. Measuring-pump. No. 1,081,817; Dec. 16; Gaz. vol. 197; p. 716.
- Deming, Eugene W., assignor to Deming Apparatus Company, New York, N. Y. Process and apparatus for treating liquids. No. 1,052,220; Feb. 4; Gaz. vol. 187; p. 130.
- Deming, Holmes W., Appleton, Wis. Roofing for buildings. No. 1,051,702; Jan. 28; Gaz. vol. 186; p. 914.
- Deming, Joseph H., assignor of one-half to O. Nelson, Middletown, Conn. Differential coupling device. No. 1,075,142; Oct. 7; Gaz. vol. 195; p. 191.
- Deming, William L., Salem, Ohio. Cash-drawer. No. 1,051,200; Jan. 21; Gaz. vol. 186; p. 711.
- Deming, William L., Salem, Ohio. Toilet-case. No. 1,069,117; Aug. 5; Gaz. vol. 193; p. 10.
- Deming, William L., assignor to The Deming Company, Salem, Ohio. Pump-holder. No. 1,076,488; Oct. 21; Gaz. vol. 195; p. 710.
- Demore, George H., assignor to O. M. Edwards, Syracuse, N. Y. Winding-roller construction. No. 1,076,959; Oct. 28; Gaz. vol. 195; p. 930.
- Demorey, André, and B. Tournier, Lyon, France. Cushioned boot-heel. No. 1,068,575; July 29; Gaz. vol. 192; p. 1054.
- Dempewolf, Otto. (See Brückmann and Dempewolf.)
- Dempsey, Charles H., Whitman, Nebr. Pulverizing attachment for wheeled plows. No. 1,059,283; Apr. 15; Gaz. vol. 189; p. 732.
- Dempsey, Irving L., Galena, Md. Sash-lock. No. 1,081,585; Dec. 16; Gaz. vol. 197; p. 637.
- Dempsey, Jesse F., Delta, Ala. Harrow attachment for plows. No. 1,071,551; Aug. 26; Gaz. vol. 193; p. 940.
- Dempster, John T. H., Schenectady, N. Y., assignor to General Electric Company. Electrode. (Reissue.) No. 13,510; Jan. 14; Gaz. vol. 186; p. 529.
- Dempster, John T. H., Schenectady, N. Y., assignor to General Electric Company. Mercury-lamp-starting device. No. 1,057,041; Mar. 25; Gaz. vol. 188; p. 910.
- Dempster, John T. H., Schenectady, N. Y., assignor to General Electric Company. Electrical heat-storage device. No. 1,062,896; May 27; Gaz. vol. 190; p. 906.
- Dempster, John T. H., Schenectady, N. Y., assignor to General Electric Company. Vapor electric apparatus. No. 1,074,253; Sept. 30; Gaz. vol. 194; p. 1007.
- Dempster Mill Manufacturing Company. (See Elliott, Loeber, and Schlachter, assignors.)
- Dempster, Thomas, Jr., Grand Rapids, Mich. Clamp for printers' forms. No. 1,073,221; Sept. 16; Gaz. vol. 194; p. 604.
- Denby, Wythe, Chicago, Ill. Gas-range. No. 1,072,582; Sept. 9; Gaz. vol. 194; p. 341.
- Dench, William L., Pelham, N. Y., assignor to Elliott-Fisher Company, Harrisburg, Pa. Retraction-lock for combined type-writers and adders. No. 1,049,818; Jan. 7; Gaz. vol. 186; p. 170.
- Dench, William L., Pelham, N. Y., assignor to Elliott-Fisher Company, Harrisburg, Pa. Register for adding-machines. No. 1,070,783; Aug. 19; Gaz. vol. 193; p. 653.
- Dénéreaz, Auguste, assignor to Société Anonyme pour l'Exploitation des Brévets A. Dénéreaz, Montreux, Switzerland. Connection for lamps or other electric apparatus. No. 1,067,005; July 8; Gaz. vol. 192; p. 410.
- Denham, John B., and G. Vance, Sandford, Ind. Cultivator. No. 1,075,243; Oct. 7; Gaz. vol. 195; p. 225.
- Denicke, Fredrick H., Mauston, Wis. Soldering-furnace. No. 1,055,967; Mar. 11; Gaz. vol. 188; p. 477.
- Denis, Albert, Springfield, Mass. Demountable rim. No. 1,056,156; Mar. 18; Gaz. vol. 188; p. 576.
- Denison, George H., et al. (See Korte, Christian, assignor.)
- Denison, George W., Cleveland Heights, Ohio. Wall-tying device. No. 1,079,115; Nov. 18; Gaz. vol. 196; p. 710.
- Denison, James R., Tacoma, Wash. Extra deck. No. 1,052,221; Feb. 4; Gaz. vol. 187; p. 130.

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- Denison, Nathan B., Pawtucket, assignor to F. W. Lockwood, Warwick, and A. O. Coates, Providence, R. I. Window-lock. No. 1,082,013; Dec. 23; Gaz. vol. 197; p. 811.
- Denison, Samuel, *et al.* (See Korte, Christian, assignor.)
- Denmead, John W., Akron, Ohio, assignor to The Diamond Match Company, Chicago, Ill. Box-filling machine. No. 1,063,960; June 10; Gaz. vol. 191; p. 304.
- Denmead, John W., Akron, and J. P. Wright, Barberton, Ohio, assignors to The Diamond Match Company, Chicago, Ill. Box-filling machine. No. 1,064,452; June 10; Gaz. vol. 191; p. 474.
- Denmead, Perry T., Akron, assignor to T. W. Ross, Cleveland, Ohio. Match-stick. No. 1,054,680; Mar. 4; Gaz. vol. 188; p. 9.
- Denne, Mark T., Rushden, England. Horn-operating mechanism of slugging, nailing, or like machines. No. 1,056,405; Mar. 18; Gaz. vol. 188; p. 658.
- Denneen, Francis S. (See Mead and Denneen.)
- Dennehy, Denis, assignor of one-half to M. H. Dennehy, Pittsburgh, Pa. Valve. No. 1,079,222; Nov. 18; Gaz. vol. 196; p. 746.
- Dennehy, Michael H. (See Dennehy, Davis, assignor.)
- Dennett, Alfredo, and C. Didier, Santiago de Chile, Chile. Feed-water heater for locomotive-boilers. No. 1,049,819; Jan. 7; Gaz. vol. 186; p. 171.
- Denney, Andrew J., Cambridge, Idaho. Self-propelled sleigh. No. 1,075,465; Oct. 14; Gaz. vol. 195; p. 331.
- Denney, Charles A., assignor of one-half to R. P. Stewart, Lehigh, Iowa. Pallet. No. 1,052,222; Feb. 4; Gaz. vol. 187; p. 131.
- Denney, Charles S., Toms Creek, Va. Anchoring means for movable machinery. No. 1,068,114; July 22; Gaz. vol. 192; p. 856.
- Denney, John C., assignor to Seneca Button Company, Poughkeepsie, N. Y. Treating vegetable-ivory nuts. No. 1,053,162; Feb. 18; Gaz. vol. 187; p. 526.
- Denney, Newman G., Millbrook, Mich. Ribbon-holder. No. 1,060,435; Apr. 29; Gaz. vol. 189; p. 1203.
- Denninger, Frank, New York, N. Y. Pedal mechanism for pianofortes. No. 1,062,955; May 27; Gaz. vol. 190; p. 926.
- Dennis, Edmond, Fall River, Mass. Ladder-gripping attachment for shoes. No. 1,059,284; Apr. 15; Gaz. vol. 189; p. 732.
- Dennis, Edward D., and A. A. Kreuter, Plymouth, Wis. Indicating mechanism. No. 1,054,185; Feb. 25; Gaz. vol. 187; p. 913.
- Dennis, Elmer L., assignor to Andrews Wire & Iron Works, Rockford, Ill. Carpet-beater. No. 1,078,839; Nov. 18; Gaz. vol. 196; p. 615.
- Dennis, Fred J. (See Seegmiller, Charles H., assignor.)
- Dennis, George W., Harvey, Ill. Machine for molding metal in indeterminate lengths. No. 1,077,458; Nov. 4; Gaz. vol. 196; p. 77.
- Dennis, James S. (See Schreiner, Albert, assignor.)
- Dennis, Lee J., Memphis, Tenn. Drying grain. No. 1,058,291; Apr. 8; Gaz. vol. 189; p. 352.
- Dennis, Oliver C. (See Hoglund, Gustave E., assignor.)
- Dennis, Vace E., Pony, Mont. Cattle-guard. No. 1,071,146; Aug. 26; Gaz. vol. 193; p. 805.
- Dennis, William, assignor, by mesne assignments, to Verges Manufacturing Co., Milwaukee, Wis. Friction-clutch. No. 1,053,163; Feb. 18; Gaz. vol. 187; p. 527.
- Dennis, William C., Litchfield, Minn. Clothes-tongs. No. 1,080,898; Dec. 9; Gaz. vol. 197; p. 373.
- Dennison, Calvin H. (See Bell and Dennison.)
- Dennison, Charles R., Youngstown, Ohio. Placer-mining machine. No. 1,064,297; June 10; Gaz. vol. 191; p. 421.
- Dennison, Charles R., Youngstown, Ohio. Gold-extracting machine. No. 1,077,261; Nov. 4; Gaz. vol. 196; p. 7.
- Dennison, Charles R., assignor of one-third to J. B. Chambers and one-third to W. V. Burnett, Youngstown, Ohio. Placer-mining machine. No. 1,064,296; June 10; Gaz. vol. 191; p. 420.
- Dennison Manufacturing Company. (See Potter, Harry J., assignor.)
- Dennison Manufacturing Company. (See Scott, James A., assignor.)
- Dennison, Wilburn N., Merchantville, N. J., assignor to Victor Talking Machine Company. Cutter for reproducing-styli. No. 1,050,815; Jan. 21; Gaz. vol. 186; p. 577.
- Dennison, Wilburn N., Merchantville, N. J., assignor to Victor Talking Machine Company. Talking-machine. No. 1,060,235; Apr. 29; Gaz. vol. 189; p. 1131.
- Dennison, Wilburn N., Merchantville, N. J., assignor to Victor Talking Machine Company. Sound-box for talking-machines. No. 1,060,672; May 6; Gaz. vol. 190; p. 37.
- Dennison, Wilburn N., Merchantville, N. J., assignor to Victor Talking Machine Company. Governor for motors. No. 1,060,827; May 6; Gaz. vol. 190; p. 90.
- Denny-Renton Clay & Coal Company. (See Keenan, John F., assignor.)
- Dent, George G. (See Sayer and Dent.)
- Dental Denture Improvement Company, The. (See Gollubin and Bornstein, assignors.)
- Denton, John, Paterson, N. J. Furnace-controlling apparatus. No. 1,074,609; Oct. 7; Gaz. vol. 195; p. 7.
- Denton, William W., Andalusia, Ala. Vehicle-brake. No. 1,057,042; Mar. 25; Gaz. vol. 188; p. 911.
- Denver Bedding Company, The. (See Barton, Samuel E., assignor.)
- Denver Rock Drill & Manufacturing Company, The. (See Waugh, Daniel S., assignor.)
- Deonier, William P., Harrah, Okla. Antislipping device for vehicle-wheels. No. 1,056,642; Mar. 18; Gaz. vol. 188; p. 742.
- Deperdussin, Armand J. A., Paris, France. Aeroplane. No. 1,049,820; Jan. 7; Gaz. vol. 186; p. 171.
- Deperdussin, Armand J. A., Paris, France. Aeroplane. No. 1,055,990; Mar. 11; Gaz. vol. 188; p. 485.
- Depew, James I., Loup City, Nebr. Power-hammer. No. 1,076,554; Oct. 21; Gaz. vol. 195; p. 733.
- Deprator, Edward, Lewis Run, Pa. Rail. No. 1,053,137; Feb. 11; Gaz. vol. 187; p. 475.
- Deprez, Oscar, Brussels, and A. Richir, Anderlecht-Brussels, Belgium. Valveless two-cycle motor. No. 1,061,528; May 13; Gaz. vol. 190; p. 368.
- Derby, David A., Kit Carson Colo. Thill-releasing device. No. 1,068,328; July 22; Gaz. vol. 192; p. 932.
- Derby, Frank W., and H. Kaiser, Oakland, Cal. Piston for explosive-engines. No. 1,053,790; Feb. 18; Gaz. vol. 187; p. 743.
- Derby, John, New York, N. Y. Electric signal-box. No. 1,060,539; Apr. 29; Gaz. vol. 189; p. 1238.
- Derby, John H., Brookline, Mass. Flow-indicating device for sprinkler systems. No. 1,058,042; Apr. 8; Gaz. vol. 189; p. 264.
- Derbyshire, Alfred E., Lansing, Kans. Puzzle or game apparatus. No. 1,070,330; Aug. 12; Gaz. vol. 193; p. 456.
- Derbyshire, Harry E., assignor to Chambersburg Engineering Company, Chambersburg, Pa. Drop-hammer roll-release mechanism. No. 1,068,225; July 22; Gaz. vol. 192; p. 895.
- Derbyshire, Henry E., assignor to Chambersburg Engineering Company, Chambersburg, Pa. Hammer construction. No. 1,077,812; Nov. 4; Gaz. vol. 196; p. 195.
- Derihon, Martin, Loncin-lez-Liege, Belgium. Shock-absorber for vehicles. No. 1,068,329; July 22; Gaz. vol. 192; p. 933.
- Derihon, Martin, Loncin-lez-Liege, Belgium. Shock-absorber for vehicles. No. 1,068,330; July 22; Gaz. vol. 192; p. 933.
- Dern, John. (See Buddés, Wilhelm, assignor.)
- Derryberry, John H., University Place, Nebr. Combined door check and buffer. No. 1,053,717; Feb. 18; Gaz. vol. 187; p. 720.
- Dersch, Frank T., Chicago, Ill. Machine for turning off crank-pins or like parts. No. 1,068,861; July 29; Gaz. vol. 192; p. 1156.
- Deruy, Abdon F., Pittsburg, Kans. Boxing for coal-drilling machines. No. 1,079,289; Nov. 18; Gaz. vol. 196; p. 766.
- Dervoz, Meho, Los Angeles, Cal. Cement-finishing tool. No. 1,064,133; June 10; Gaz. vol. 191; p. 365.
- Des Jardins, Benjamin M., West Hartford, assignor, by mesne assignments, to The Unitype Company, Manchester, Conn. Type-justifying mechanism. No. 1,070,235; Aug. 12; Gaz. vol. 193; p. 424.
- Des Rivières, François X., Montreal, Quebec, Canada. Adjustable rest for ratchet-braces. No. 1,057,776; Apr. 1; Gaz. vol. 189; p. 129.
- Desalvo, Joe, Center Ridge, Ark. Adjustable harrow. No. 1,049,683; Jan. 7; Gaz. vol. 186; p. 125.
- Desamari, Kurt. (See Zart and Desamari.)
- Desamari, Kurt, assignor to Farbenfabriken vorm. Friedr. Bayer & Co., Elberfeld, Germany. Azo color. No. 1,051,565; Jan. 28; Gaz. vol. 186; p. 869.
- Desamari, Kurt, assignor to Farbenfabriken vorm. Friedr. Bayer & Co., Elberfeld, Germany. Azo dye. No. 1,059,599; Apr. 22; Gaz. vol. 189; p. 876.
- Desamari, Kurt, Elberfeld, and A. Zart, Vohwinkel, assignors to Farbenfabriken vorm. Friedr. Bayer & Co., Elberfeld, Germany. Disazo dye. No. 1,052,136; Feb. 4; Gaz. vol. 187; p. 101.
- Desamari, Kurt, Elberfeld, and A. Zart, Vohwinkel, assignors to Farbenfabriken vorm. Friedr. Bayer & Co., Elberfeld, Germany. Disazo dye. No. 1,052,137; Feb. 4; Gaz. vol. 187; p. 102.
- Desamari, Kurt, Elberfeld, and A. Zart, Vohwinkel, near Elberfeld, assignors to Farbenfabriken vorm. Friedr. Bayer & Co., Elberfeld, Germany. Monoazo dye. No. 1,058,562; Apr. 8; Gaz. vol. 189; p. 445.
- Desamari, Kurt, O. Günther, H. Schweitzer, Elberfeld, and A. Zart, Vohwinkel, assignors to Farbenfabriken vorm. Friedr. Bayer & Co., Elberfeld, Germany. Azo dye. No. 1,052,135; Feb. 4; Gaz. vol. 187; p. 101.
- Desautels, Joseph. (See Lacroix and Desautels.)
- Desautels, Joseph, and J. Lacroix, Fall River, Mass., assignors of one-third to each of themselves and one-third to C. J. Burdick, Providence, R. I. Drip rail-plate for twisting-frames. No. 1,083,005; Dec. 30; Gaz. vol. 197; p. 1186.
- Desbecker, Harold C., Schenectady, assignor to H. W. Block, New York, N. Y. Electrically-operated sash-holder. No. 1,062,084; May 20; Gaz. vol. 190; p. 595.

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- Desbecker, Harold C., Schenectady, assignor to H. W. Block, New York, N. Y. Window-operating apparatus. No. 1,062,085; May 20; Gaz. vol. 190; p. 595.
- Deschamps, Jules, Paris, France. Automatic electric despatch system. No. 1,078,035; Nov. 11; Gaz. vol. 196; p. 304.
- Descommunaux, Marc, Paris, France. Metal case for sash-windows. No. 1,052,465; Feb. 11; Gaz. vol. 187; p. 246.
- Desgraz, Adolphe H., Hanover, Germany. Extracting zinc from residues containing zinc, especially slags, in reverberatory furnaces. No. 1,072,209; Sept. 2; Gaz. vol. 194; p. 184.
- Deslauriers Column Mold Company. (See Deslauriers, Philippe A. and L. P., assignors.)
- Deslauriers, Louis P. (See Deslauriers, Philippe A. and L. P.)
- Deslauriers, Philippe A. and L. P., St. Paul, Minn., assignors, by mesne assignments, to Deslauriers Column Mold Company. Column and ceiling mold. No. 1,050,816; Jan. 21; Gaz. vol. 186; p. 578.
- Desmarais, John S., New York, N. Y. Bowl and canister. No. 1,066,384; July 1; Gaz. vol. 192; p. 168.
- Desmond, Bernard J. and M. J., Winnipeg, Manitoba, Canada. Manure-loading machine. No. 1,053,580; Feb. 18; Gaz. vol. 187; p. 671.
- Desmond, Clinton A., and W. T. Henley, Winnemucca, Nev. Placer-mining machine. No. 1,067,098; July 8; Gaz. vol. 192; p. 441.
- Desmond, John, assignor to Artizan Brass Company, Chicago, Ill. Controller for electric motors. No. 1,049,460; Jan. 7; Gaz. vol. 186; p. 48.
- Desmond, John, assignor, by mesne assignments, to W. S. Potwin, Chicago, Ill. Air-pump for inflating automobile-tires. No. 1,051,090; Jan. 21; Gaz. vol. 186; p. 675.
- Desmond, John, assignor to W. S. Potwin, Chicago, Ill. Electric pneumatic switch. No. 1,053,581; Feb. 18; Gaz. vol. 187; p. 672.
- Desmond, John, Wilmette, assignor to W. S. Potwin, Chicago, Ill. Air-compressing apparatus. No. 1,056,511; Mar. 18; Gaz. vol. 188; p. 698.
- Desmond, John, Chicago, assignor of one-half to H. Deam, Riverside, Ill. Liquid-dispenser. No. 1,071,890; Sept. 2; Gaz. vol. 194; p. 77.
- Desmond, Matthew J. (See Desmond, Bernard J. and M. J.)
- Despins, Pierre P., Lyon, France. Pedestal-chair. No. 1,069,863; Aug. 12; Gaz. vol. 193; p. 297.
- Destribats, Louis P., Trenton, N. J. Apparatus for impregnating and coating materials. No. 1,072,705; Sept. 9; Gaz. vol. 194; p. 382.
- Determann, August P., Lyons, Iowa. Pneumatic straw-stacker. No. 1,066,260; July 1; Gaz. vol. 192; p. 128.
- Dethier, Louis, Mount Vernon, Ohio. Car-coupling. No. 1,049,684; Jan. 7; Gaz. vol. 186; p. 125.
- Dethier, Louis, Mount Vernon, Ohio. Draft-rigging. No. 1,060,436; Apr. 29; Gaz. vol. 189; p. 1203.
- Dethlefs, Max, Stuttgart, assignor to C. F. W. Schneemann, Hanover, Germany. Obtaining a mat surface on printed matter with glossy surface. No. 1,057,624; Apr. 1; Gaz. vol. 189; p. 78.
- Detmer, Martin J., Chicago, Ill. Acetylene-gas apparatus. No. 1,065,116; June 17; Gaz. vol. 191; p. 730.
- Detrick, Harry, Houston, Tex. Display-board. No. 1,074,414; Sept. 30; Gaz. vol. 194; p. 1061.
- Detroit Alaska Knitting Mills. (See Holmes, Frank D., assignor.)
- Detroit Can Company. (See Ford, Ben K., assignor.)
- Detroit Can Company. (See Harbeck, Jervis R., assignor.)
- Detroit Demountable Rim Co. (See Harbridge, Chester C., assignor.)
- Detroit Lubricator Company. (See Kenfield, William L., assignor.)
- Detroit Sanitary Supply Company. (See Hay, Peter D., assignor.)
- Detroit Stoker Company. (See Bromley, Frank L., assignor.)
- Detroit Tractor Company. (See Baker, George J. and F. E., assignors.)
- Detroit Utensil Company. (See Winter, John R., assignor.)
- Detwiler, Forest V., Chicago, Ill. Refrigerator. No. 1,063,514; June 3; Gaz. vol. 191; p. 116.
- Detwiler, Forest V., Chicago, Ill. Cooking apparatus. No. 1,064,298; June 10; Gaz. vol. 191; p. 421.
- Deuberry, William C., et al. (See Williamson, Newton H., assignor.)
- Deubler, Franz, assignor to G. Roth, Aktiengesellschaft, Vienna, Austria-Hungary. Grenade projected from small-arms. No. 1,058,563; Apr. 8; Gaz. vol. 189; p. 446.
- Deuel, John F., et al. (See Beery, Clinton E., assignor.)
- Deuel, Joseph J., Bakersfield, assignor to Axelson Machine Co., Los Angeles, Cal. Pump-protector. No. 1,077,685; Nov. 4; Gaz. vol. 196; p. 153.
- Deuel, Sanford H., Chicago, Ill. Composition for coating slides. No. 1,055,720; Mar. 11; Gaz. vol. 188; p. 393.
- Deutsch, Hermann, Szabadka, Austria-Hungary. Manufacture of sausage-skins and the like. No. 1,076,005; Oct. 14; Gaz. vol. 195; p. 515.
- Deutsche Gasglühlicht A. G. (Auergesellschaft). (See Krause, Otto, assignor.)
- Deutsche Gasglühlicht Aktiengesellschaft. (See Süßman and Mayer, assignors.)
- Deutsche Konit-Gesellschaft m. b. H. (See Sborowitz, Siegmund, assignor.)
- Deutsche Kunstleder Aktien-Gesellschaft. (See Hesse, Fritz, assignor.)
- Deutsche Post- und Eisenbahn-Verkehrswesen Aktiengesellschaft, (Dapag-Efubag.) (See Lerche, Julius, assignor.)
- Deutsche Raster-Gesellschaft mit beschränkter Haftung. (See Krayn, Robert, assignor.)
- Deutsche Waffen- und Munitionsfabriken. (See Eitner, Berthold, assignor.)
- Deutsche Waffen- & Munitionsfabriken. (See Hanus, Ewald, assignor.)
- Deutscher, Maximilian, Heidelberg, Germany. Automatic lubricator. No. 1,077,813; Nov. 4; Gaz. vol. 196; p. 196.
- Deutschman, Alexander and R., Bounty, Saskatchewan, Canada. Caster. No. 1,050,352; Jan. 14; Gaz. vol. 186; p. 385.
- Deutschman, Robert. (See Deutschman, Alexander and R.)
- Deverell, Delbert, Woodstock, Oreg. Concentrating apparatus. No. 1,068,633; July 29; Gaz. vol. 192; p. 1075.
- Devès, François, New York, N. Y. Transmission-gearing. No. 1,064,889; June 17; Gaz. vol. 191; p. 655.
- Devine, John F., administrator. (See Tileston, Henry M.)
- Devine, Manasses, Jackson, Cal. Bread or dough cutter. No. 1,081,099; Dec. 9; Gaz. vol. 197; p. 436.
- Devine, William P., Dorchester, assignor to American Optical Company, Southbridge, Mass. Apparatus for covering eyeglass-cases. No. 1,049,344; Jan. 7; Gaz. vol. 186; p. 9.
- Devini, John H., Cleveland, Tex. Bag-holder. No. 1,049,821; Jan. 7; Gaz. vol. 186; p. 171.
- Devitt, John C., Elyria, Ohio. Pipe-bender. No. 1,056,781; Mar. 25; Gaz. vol. 188; p. 820.
- Devitt, Joseph A., assignor of one-half to W. O. Kirker, Philadelphia, Pa. Car-fender. No. 1,055,721; Mar. 11; Gaz. vol. 188; p. 393.
- Devlin, Henry, assignor to The M. Garland Company, Bay City, Mich. Transmission mechanism. No. 1,072,834; Sept. 9; Gaz. vol. 194; p. 428.
- Devlin, Henry, assignor to The M. Garland Company, Bay City, Mich. Transmission mechanism. No. 1,079,477; Nov. 25; Gaz. vol. 196; p. 863.
- Devore, Espy L., Aurelia, Iowa. Spring for vehicles. No. 1,064,057; June 10; Gaz. vol. 191; p. 338.
- Deweese, Benjamin F., assignor, by mesne assignments, of one-half to J. R. Henderson and J. B. Woods, Logan, W. Va. Trolley attachment. No. 1,066,385; July 1; Gaz. vol. 192; p. 169.
- Deweese, George P., Kansas City, Mo. Hat-holder. No. 1,065,117; June 17; Gaz. vol. 191; p. 730.
- Dewey, Arthur J., and A. J. Conkey, assignors of one-third to F. F. Roberts, New London, Iowa. Combination step-ladder and ironing-table. No. 1,073,799; Sept. 23; Gaz. vol. 194; p. 826.
- Dewey, Charles F. (See Krieger and Dewey.)
- Dewey, Edward L., Whiting, Ind. Automobile-muffler. No. 1,077,905; Nov. 4; Gaz. vol. 196; p. 227.
- Dewey, Haywood G., East Orange, N. J., assignor to Single Service Package Corporation of America, New York, N. Y. Automatic filling-machine. No. 1,075,903; Oct. 14; Gaz. vol. 195; p. 478.
- Dewey, John M., Albion township, Butler county, Iowa. Binding-machine. No. 1,069,323; Aug. 5; Gaz. vol. 193; p. 81.
- Dewey, William F., Iola, Kans. Heater. No. 1,061,825; May 13; Gaz. vol. 190; p. 466.
- Dewson, Edward H., New York, N. Y., assignor to The Westinghouse Air Brake Company, Pittsburgh, Pa. Unloading device for pumps. No. 1,060,588; May 6; Gaz. vol. 190; p. 8.
- Dexheimer, Charles. (See Dowdle, Alva J., assignor.)
- Dexter, Ernest F., Hartford, Conn. Automatic door-check. No. 1,055,888; Mar. 11; Gaz. vol. 188; p. 450.
- Dexter Folder Company. (See Cardell, Charles O. L., assignor.)
- Dexter Folder Company. (See Christophel, Carl E., assignor.)
- Dexter Folder Company. (See Dexter and Jones, assignors.)
- Dexter Folder Company. (See Jones, Richard E., assignor.)
- Dexter Folder Company. (See Holdt, George H., assignor.)
- Dexter Folder Company. (See Martin, George A., assignor.)
- Dexter, MacDougald, and J. L. Duke, Columbus, Ga. Adjustable oven. No. 1,082,414; Dec. 23; Gaz. vol. 197; p. 948.

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- Dexter, Talbot C., and R. E. Jones, assignors to Dexter Folder Company, Pearl River, N. Y. Sheet-straightening mechanism for paper-feeding machines. No. 1,057,123; Mar. 25; Gaz. vol. 188; p. 938.
- Dey, Gilbert S., Rochester, N. Y., assignor, by mesne assignments, to Commercial Camera Company, Providence, R. I. Feeding mechanism for cameras. No. 1,057,412; Apr. 1; Gaz. vol. 189; p. 7.
- Deysten, Theodor von, Visselhövede, Germany. Making flat match-slabs. No. 1,070,784; Aug. 19; Gaz. vol. 193; p. 654.
- Dezendorf, Richard L., Richmond Hill, N. Y. Meter-testing apparatus. No. 1,061,271; May 13; Gaz. vol. 190; p. 278.
- Dezouche, Charles F., *et al.* (See Baker, Edward, assignor.)
- Dhale, Elizabeth M., Fruitvale, Cal. Abdominal supporter. No. 1,080,958; Dec. 9; Gaz. vol. 197; p. 393.
- Di Francesca, Salvatore, Stonington, Conn. Newspaper-holder. No. 1,067,214; July 8; Gaz. vol. 192; p. 483.
- Di Giovanni, Gaetano, New York, assignor of one-fourth to S. Zito and one-fourth to J. W. Saitta, Brooklyn, N. Y. Window-washer. No. 1,080,100; Dec. 9; Gaz. vol. 197; p. 436.
- Di Paolo, Michael. (See Olton, Lawrence, assignor.)
- Diamalt Aktien-Gesellschaft. (See Jacoby, Ernst, assignor.)
- Diamond Forging & Manufacturing Company. (See Smith, David M., assignor.)
- Diamond, James K., assignor to J. B. Stone Co., Grand Rapids, Mich. Tool for clenching belt-fasteners. No. 1,060,746; May 6; Gaz. vol. 190; p. 63.
- Diamond, James K., assignor to J. B. Stone Co., Grand Rapids, Mich. Carding-paper for belt-fasteners. No. 1,066,801; July 8; Gaz. vol. 192; p. 343.
- Diamond Light and Heating Company of Canada. (See Thornton, Harold S., assignor.)
- Diamond Manufacturing Company. (See Allen, Bertram M., assignor.)
- Diamond Match Company, The. (See Denmead, John W., assignor.)
- Diamond Match Company, The. (See Denmead and Wright, assignors.)
- Diamond Match Company, The. (See Donnelly, Joseph C., assignor.)
- Diamond Match Company, The. (See Fairburn, William A., assignor.)
- Diamond Match Company. (See Fairburn, Cruser, and Green, assignors.) (Reissue.)
- Diamond Match Company, The. (See Wright and Schafer, assignors.)
- Diamond Point Pen Company. (See Dods, Harry B., assignor.)
- Diamond Power Specialty Company. (See Hodge, Robert O., assignor.)
- Diamond Power Specialty Company. (See Magee, John, assignor.)
- Diamond Power Specialty Company. (See Waller, Thomas S., assignor.)
- Dianovszky, John, assignor of one-half to O. A. Schlegel, Passaic, N. J. Steam-turbine. No. 1,068,987; July 29; Gaz. vol. 192; p. 1199.
- Diber, Jacob, Beaver, Ohio. Pipe-molding machine. No. 1,060,437; Apr. 29; Gaz. vol. 189; p. 1203.
- Dibert, George R., Ford, Idaho. Nail-extractor. No. 1,079,843; Nov. 25; Gaz. vol. 196; p. 991.
- Dibert, Loyd C., San Francisco, Cal. Separator. No. 1,055,722; Mar. 11; Gaz. vol. 188; p. 394.
- Dibert, Loyd C., San Francisco, Cal. Gold-saving machine. No. 1,071,891; Sept. 2; Gaz. vol. 194; p. 77.
- Diboll, Collins C., *et al.* (See Febiger, Henry B., assignor.)
- Dichmann, William. (See Wakeman, Charles A., assignor.)
- Dick, Albert B., Lake Forest, assignor to A. B. Dick Company, Chicago, Ill. Type-holder. No. 1,053,364; Feb. 18; Gaz. vol. 187; p. 597.
- Dick, Albert B., Lake Forest, assignor to A. B. Dick Company, Chicago, Ill. Type setting and distributing apparatus. No. 1,053,365; Feb. 18; Gaz. vol. 187; p. 597.
- Dick, Albert B., Lake Forest, assignor to A. B. Dick Company, Chicago, Ill. Stencil-duplicating machine. No. 1,054,399; Feb. 25; Gaz. vol. 187; p. 987.
- Dick, Albert B., Lake Forest, assignor to A. B. Dick Company, Chicago, Ill. Sheet-feeding apparatus. No. 1,054,637; Feb. 25; Gaz. vol. 187; p. 1067.
- Dick, Albert B., Lake Forest, assignor to A. B. Dick Company, Chicago, Ill. Stencil-duplicating apparatus. No. 1,057,124; Mar. 25; Gaz. vol. 188; p. 939.
- Dick, Albert B., Lake Forest, assignor to A. B. Dick Company, Chicago, Ill. Printing apparatus. No. 1,057,125; Mar. 25; Gaz. vol. 188; p. 939.
- Dick, Albert B., Lake Forest, assignor to A. B. Dick Company, Chicago, Ill. Stencil-duplicating machine. No. 1,057,808; Apr. 1; Gaz. vol. 189; p. 141.
- Dick, Archie P., Jr., Fort Worth, assignor of one-half to J. O. Setser, Big Springs, Tex. Crate. No. 1,059,352; Apr. 22; Gaz. vol. 189; p. 792.
- Dick, Joseph, Canton, Ohio. Discharge-spout. No. 1,050,623; Jan. 14; Gaz. vol. 186; p. 480.
- Dick, Joseph, Canton, Ohio. Conveyer. No. 1,065,596; June 24; Gaz. vol. 191; p. 930.
- Dick, Joseph, Canton, Ohio. Fodder-cutter. No. 1,070,019; Aug. 12; Gaz. vol. 193; p. 350.
- Dick, Joseph, Canton, Ohio. Fodder-cutter. No. 1,072,924; Sept. 9; Gaz. vol. 194; p. 462.
- Dick, William. (See Rojohn and Dick.)
- Dickenson, Richardson W., Sioux Falls, S. D. Appliance to facilitate the washing and drying of dishes. No. 1,074,932; Oct. 7; Gaz. vol. 195; p. 117.
- Dickenson, William, New Orleans, La., assignor to General Electric Company. Machine for cutting out mica between segments in commutators. No. 1,064,715; June 17; Gaz. vol. 191; p. 599.
- Dickenson, William, assignor of one-half to H. J. Dressel, New Orleans, La. Car-fender. No. 1,067,006; July 8; Gaz. vol. 192; p. 411.
- Dickerson, Arthur D. (See Brown, Charles F., assignor.)
- Dickerson, Fred G., and E. A. Simpson, assignors, by mesne assignments, to Chicago Solder Company, Chicago, Ill. Machine for soldering cans. No. 1,064,299; June 10; Gaz. vol. 191; p. 421.
- Dickerson, John R., assignor to Hamp Williams Hardware Co., Hot Springs, Ark. Canner. No. 1,067,099; July 8; Gaz. vol. 192; p. 442.
- Dickerson, Simeon K., Cleveland, Ohio. Coupling-rod extension. No. 1,076,272; Oct. 21; Gaz. vol. 195; p. 632.
- Dickerson, Walter H., Muskegon, Mich. Treating liquors containing sulfurous acid or sulfites. No. 1,059,716; Apr. 22; Gaz. vol. 189; p. 914.
- Dickerson, Warren C., Los Angeles, Cal. Flat-closing drinking-cup. No. 1,069,236; Aug. 5; Gaz. vol. 193; p. 54.
- Dickey, Arthur V., assignor of one-half to W. M. Sheffield, Seattle, Wash. Air-gun. No. 1,078,487; Nov. 11; Gaz. vol. 196; p. 460.
- Dickey, Charles A. (See Dickey, George O. and C. A.)
- Dickey, George O., Pittcock, and C. A. Dickey, New Sheffield, Pa. Lamp-bracket for semaphore-signals. No. 1,063,782; June 3; Gaz. vol. 191; p. 212.
- Dickey, George W., Salt Lake City, Utah. Rail-joint support. No. 1,068,419; July 29; Gaz. vol. 192; p. 1002.
- Dickhute, Albert C., Shelby, Nebr. Pitman connection for harvesting-machines. No. 1,062,444; May 20; Gaz. vol. 190; p. 715.
- Dickinson, Bruce J. (See Pratt and Dickinson.)
- Dickinson, Charles E., assignor of one-half to S. E. Austin, Garden City, Kans. Steam and hot-water radiator. No. 1,071,716; Sept. 2; Gaz. vol. 194; p. 16.
- Dickinson, Clinton W., La Crosse, Wis. Plow. No. 1,076,752; Oct. 28; Gaz. vol. 195; p. 857.
- Dickinson, Fairleigh S., Rutherford, N. J. Case for hypodermic syringes. No. 1,059,285; Apr. 15; Gaz. vol. 189; p. 733.
- Dickinson, J. E., *et al.*, trustees. (See Converse, Newton B., assignor.)
- Dickinson, Samuel L., Cranford, N. J. Player-piano. No. 1,059,123; Apr. 15; Gaz. vol. 189; p. 678.
- Dickman, Charles F. and J. P., Dayton, Ohio. Device for promoting deep breathing. No. 1,074,846; Oct. 7; Gaz. vol. 195; p. 88.
- Dickman, John P. (See Dickman, Charles F. and J. P.)
- Dicks, Thomas A., Wilkinsburg, assignor of one-half to F. P. Laufer, Irwin, Pa. Manufacture of metal bars, rails, &c. No. 1,072,436; Sept. 9; Gaz. vol. 194; p. 290.
- Dickson, Albert E., Hannibal, Mo. Mail delivering and receiving apparatus. No. 1,068,988; July 29; Gaz. vol. 192; p. 1199.
- Dickson, Charles A., Kodarma, Bengal, and N. L. Burton-Jones, Taraghaty, Bengal. British India. Railway diamond and other crossings. No. 1,072,706; Sept. 9; Gaz. vol. 194; p. 383.
- Dickson, Charles T., Winnsboro, Tex. Crate-clamping machine. No. 1,055,723; Mar. 11; Gaz. vol. 188; p. 394.
- Dickson, David J., Cincinnati, Ohio. Music representation. No. 1,053,366; Feb. 18; Gaz. vol. 187; p. 597.
- Dickson, Frank H., Oswego, N. Y. Chain wrench. No. 1,055,148; Mar. 4; Gaz. vol. 188; p. 166.
- Dickson, George E., New Lenox, Ill. Flying-machine. No. 1,073,334; Sept. 16; Gaz. vol. 194; p. 643.
- Dickson, Horace L., San Leandro, Cal. Pipe-wrench. No. 1,055,724; Mar. 11; Gaz. vol. 188; p. 394.
- Dickson, James, Goderich, Ontario, Canada. Garden-rake. No. 1,050,721; Jan. 14; Gaz. vol. 186; p. 510.
- Dickson, James T., Los Angeles, Cal. Vacuum-brake. No. 1,076,198; Oct. 21; Gaz. vol. 195; p. 607.
- Dickson, Oliver E., assignor of one-half to J. H. Creighton, Herminie, Pa. Check-holder for mine-cars. No. 1,054,513; Feb. 25; Gaz. vol. 187; p. 1025.
- Dickson, Theodore, Mendota, Wash. Shoe-protector. No. 1,056,091; Mar. 18; Gaz. vol. 188; p. 553.
- Diden, Edward T., assignor of one-half to S. J. Nummy, Prattville, Ala. Pneumatic conveyer. No. 1,082,113; Dec. 23; Gaz. vol. 197; p. 844.
- Didier, Cirilo. (See Dennett and Didier.)
- Didier, Edmund, Baltimore, Md., assignor to The Universal Safety Elevator Locking Device Co. Safety appliance for elevators. No. 1,072,835; Sept. 9; Gaz. vol. 194; p. 429.

Alphabetical list of patentees—Continued.

- Didlake, William H., Crystal Springs, Miss. Ship construction. No. 1,061,826; May 13; Gaz. vol. 190; p. 466.
- Didschuneit, Julius, assignor of one-fourth to L. A. Wittkowsky, Camden, S. C. Automobile-fender. No. 1,082,415; Dec. 23; Gaz. vol. 197; p. 948.
- Diebel, Edward M., Concordia, Kans. Shoe-fastener. No. 1,070,877; Aug. 19; Gaz. vol. 193; p. 682.
- Diebel, Henry, Long Prairie, Minn. Silo. No. 1,058,949; Apr. 15; Gaz. vol. 189; p. 617.
- Diebold Safe & Lock Company, The. (See Klohs, Bartholomew F., assignor.)
- Diederichs, Jean C., Bourgoins, France. Weft-end controlling means for weft-replenishing mechanism. No. 1,053,123; Feb. 11; Gaz. vol. 187; p. 470.
- Diehl, Albert C., Camden, N. J., assignor to Victor Talking Machine Company. Sound-box. No. 1,073,408; Sept. 16; Gaz. vol. 194; p. 670.
- Diehl, Arthur. (See Diepenhorst and Diehl.)
- Diehl, Charles R., Jackson, Mich. Automatic gas-valve. No. 1,057,625; Apr. 1; Gaz. vol. 189; p. 78.
- Diehl, Hiram E., Lawton, Okla. Electric well-drill. No. 1,083,200; Dec. 30; Gaz. vol. 197; p. 1245.
- Diehl, Jacob, Sheboygan, Wis. Clamp. No. 1,063,332; June 3; Gaz. vol. 191; p. 55.
- Diehl, Jacob, Sheboygan, Wis. Bed. No. 1,064,890; June 17; Gaz. vol. 191; p. 655.
- Diehl, Jacob, Sheboygan, Wis. Door-latch. No. 1,064,891; June 17; Gaz. vol. 191; p. 656.
- Diehl Manufacturing Company. (See Marx, Gustave C., assignor.)
- Diehl Manufacturing Company. (See Marx and Becker, assignors.)
- Diehl Manufacturing Company. (See Zabriskie, Henry L., assignor.)
- Diehl, Philip, Elizabeth, N. J., assignor to The Singer Manufacturing Company. Tuck-marker for sewing-machines. No. 1,079,329; Nov. 25; Gaz. vol. 196; p. 813.
- Diehl, Philip, and M. Hemleb, Elizabeth, N. J., assignors to The Singer Manufacturing Company. Sewing-machine stand. No. 1,057,809; Apr. 1; Gaz. vol. 189; p. 142.
- Diehl, William. (See Eisele, Herman, assignor.)
- Diemer, Anton, assignor to Firm of R. Bosch, Stuttgart, Germany. Electric ignition system for internal-combustion engines. No. 1,056,512; Mar. 18; Gaz. vol. 188; p. 699.
- Diemer, Anton, assignor to The Firm of R. Bosch, Stuttgart, Germany. Distributer for electrical ignition systems. No. 1,074,777; Oct. 7; Gaz. vol. 195; p. 66.
- Diepenhorst, Frederick, and A. Diehl, Milwaukee, Wis. Cycle-frame. No. 1,071,892; Sept. 2; Gaz. vol. 194; p. 78.
- Dierdorff, Henry B., Columbus, Ohio, assignor to The Jeffrey Manufacturing Company. Mining-machine. No. 1,081,818; Dec. 16; Gaz. vol. 197; p. 716.
- Dierdorff, Joseph, Columbus, Ohio, assignor to The Jeffrey Manufacturing Company. Belt conveyer. No. 1,062,325; May 20; Gaz. vol. 190; p. 677.
- Diesbach, Heinrich von. (See Luttringhaus, Diesbach, and Schwarz.)
- Diescher, Samuel E., Pittsburgh, Pa. Manufacture of seamless tubes. No. 1,056,326; Mar. 18; Gaz. vol. 188; p. 632.
- Diescher, Samuel E., Pittsburgh, Pa. Feed mechanism. No. 1,067,805; July 22; Gaz. vol. 192; p. 753.
- Diescher, Samuel E., assignor to Metals Working Company, Pittsburgh, Pa. Manufacture of seamless tubes. No. 1,067,806; July 22; Gaz. vol. 192; p. 753.
- Diesel, Rudolf, Munich, Germany, assignor to Busch-Sulzer Bros. Diesel Engine Company, St. Louis, Mo. Air compressing and storage apparatus. No. 1,066,261; July 1; Gaz. vol. 192; p. 128.
- Diesel, Rudolf, Munich, Germany, assignor to Busch-Sulzer Bros. Diesel Engine Company, St. Louis, Mo. Driving of motor-vehicles and similar motor plants. No. 1,080,624; Dec. 9; Gaz. vol. 197; p. 277.
- Diesel, Rudolf, Munich, Germany, assignor to Busch-Sulzer Bros. Diesel Engine Company, St. Louis, Mo. Internal-combustion propulsion apparatus. No. 1,080,625; Dec. 9; Gaz. vol. 197; p. 277.
- Dieterich, Edward A., New York, N. Y. Antiseptic protector for mouthpieces. No. 1,049,822; Jan. 7; Gaz. vol. 186; p. 172.
- Dieterich, Edward A., New York, N. Y. Egg-carrier. No. 1,074,415; Sept. 30; Gaz. vol. 194; p. 1061.
- Dieterich, Ludwig M., Kansas City, Mo. Variable-power transmitting and controlling mechanism. No. 1,063,244; June 3; Gaz. vol. 191; p. 26.
- Dietler, Friedrich, assignor to Vereinigte Kunstseidefabriken A. G., Keilsterbach-on-the-Main, Germany. Manufacturing artificial lustrous threads, bands, and filaments. No. 1,073,891; Sept. 23; Gaz. vol. 194; p. 853.
- Dietrich, Edward C. (See Barker and Dietrich.)
- Dietrich, Joseph F., Gold Hill, Nev., assignor to P. Hahnewald, Avon, Colo. Discharge-screen for centrifugal grinding-mills. No. 1,058,416; Apr. 8; Gaz. vol. 189; p. 397.
- Dietz, Carl, and E. Gofferje, Leverkusen, near Cologne, assignors to Farbenfabriken vorm. Friedr. Bayer & Co., Elberfeld, Germany. Crushing or pulverizing materials. No. 1,074,847; Oct. 7; Gaz. vol. 195; p. 88.
- Dietz, Charles F. (See Dietz, Valentine, Jr., and C. F.)
- Dietz, Frederick, New York, N. Y. Tubular lantern. No. 1,067,509; July 15; Gaz. vol. 192; p. 620.
- Dietz, Frederick, assignor to R. E. Dietz Company, New York, N. Y. Lantern-burner. No. 1,067,593; July 15; Gaz. vol. 192; p. 648.
- Dietz, Frederick, assignor to R. E. Dietz Company, New York, N. Y. Lamp-socket. No. 1,073,477; Sept. 16; Gaz. vol. 194; p. 694.
- Dietz, Herman L., assignor to C. F. Crosby, Chicago, Ill. Surface-cleaner. No. 1,057,947; Apr. 1; Gaz. vol. 189; p. 187.
- Dietz, John, assignor to The John Dietz Manufacturing Company, Cincinnati, Ohio. Operating mechanism. No. 1,073,409; Sept. 16; Gaz. vol. 194; p. 670.
- Dietz, John F., Johnstown, Pa. Shingle. No. 1,053,792; Feb. 18; Gaz. vol. 187; p. 744.
- Dietz, Louis H., Chicago, Ill. Construction of horse-blankets. No. 1,064,453; June 10; Gaz. vol. 191; p. 475.
- Dietz, Paul, Brooklyn, assignor, by mesne assignments, to New Ideas Manufacturing Company, New York, N. Y. Flash-light attachment for cameras. No. 1,080,543; Dec. 9; Gaz. vol. 197; p. 250.
- Dietz, Valentine, Jr., and C. F., Yonkers, N. Y. Apparatus for disinfecting gases. No. 1,052,898; Feb. 11; Gaz. vol. 187; p. 392.
- Dietze, Walter A., assignor to J. J. Merki, Chicago, Ill. Magazine for moving-picture machines. No. 1,081,926; Dec. 16; Gaz. vol. 197; p. 751.
- Dietzel, Georg E., Dusseldorf, assignor to Rheinische Metallwaaren- und Maschinenfabrik, Dusseldorf-Derendorf, Germany. Mechanism for automatically firing guns. No. 1,054,514; Feb. 25; Gaz. vol. 187; p. 1026.
- Dievendorf, William B., Sprakers, N. Y. Dirigible lamp for automobiles. No. 1,079,844; Nov. 25; Gaz. vol. 196; p. 991.
- Differential Clock Co. (See Busenbenz, Jacob J., assignor.)
- Difo, Harry, assignor to The Eclipse Metallic Specialty Company, Philadelphia, Pa. Sad-iron. No. 1,067,100; July 8; Gaz. vol. 192; p. 442.
- Difo, Harry, assignor of one-fourth to T. T. Jones and one-fourth to W. Weckesser, Philadelphia, Pa. Threading-chuck. No. 1,068,227; July 22; Gaz. vol. 192; p. 896.
- Digby, William P., London, England, P. W. Beatty, Bahia Blanca, Argentina, and A. C. Huskinson, Barnes, England. Means for measuring, indicating, and recording vibrations. No. 1,082,014; Dec. 23; Gaz. vol. 197; p. 811.
- Dight, W. M. (See Moon, Herman, assignor.)
- Dight, William M., Grove City, Pa. Window-sash holder. No. 1,073,595; Sept. 23; Gaz. vol. 194; p. 755.
- Dignon, Sydney L., and M. L. Debrosee, Jr., New York, N. Y. Non-refillable bottle. No. 1,072,583; Sept. 9; Gaz. vol. 194; p. 341.
- Digweed, Richard G., assignor of one-half to J. P. Jones, Liverpool, England. Multiple-exposure attachment for cameras. No. 1,068,862; July 29; Gaz. vol. 192; p. 1156.
- Dikeman, Harvey, assignor of seven-twentieths to W. H. Foley, Danbury, Conn. Milk-bottle. No. 1,083,201; Dec. 30; Gaz. vol. 197; p. 1246.
- Dikeman, Joseph S., Norwalk, Conn. Saw-clamp. No. 1,077,191; Oct. 28; Gaz. vol. 195; p. 1004.
- Dilg, Charles H. J., New York, N. Y. Grinding and polishing machine. No. 1,060,170; Apr. 29; Gaz. vol. 189; p. 1108.
- Dilg, Charles H. J., New York, N. Y. Drilling and tapping device. No. 1,071,216; Aug. 26; Gaz. vol. 193; p. 830.
- Dilg, Charles H. J., New York, N. Y. Food-treating machine. No. 1,071,300; Aug. 26; Gaz. vol. 193; p. 857.
- Dill, Harry E., and W. P. Marsh, Dayton, Ohio, assignors to National Coning Machinery Company, Indianapolis, Ind. Machine for making paper receptacles. No. 1,055,024; Mar. 4; Gaz. vol. 188; p. 126.
- Dillberg, Erik, assignor to Buchanan-Lawrence Company, Joliet, Ill. Wool sole for slippers. No. 1,060,589; May 6; Gaz. vol. 190; p. 9.
- Diller, Amos C., Bluffton, Ohio. Kiln. No. 1,078,488; Nov. 11; Gaz. vol. 196; p. 461.
- Diller Manufacturing Company, The. (See Triplett, Ray L., assignor.)
- Dillich, George, Butler borough, Pa. Folding swing. No. 1,069,864; Aug. 12; Gaz. vol. 193; p. 297.
- Dillman, William B., assignor of one-third to H. T. Crist, St. Louis, Mo. Automatic oiling and greasing device. No. 1,056,890; Mar. 25; Gaz. vol. 188; p. 857.
- Dillman, William C. (See Helin, Eero W., assignor.)
- Dillon, Albert, Aitch, Ohio. Rail-joint. No. 1,050,353; Jan. 14; Gaz. vol. 186; p. 385.
- Dillon, Benjamin C., Taylors Store, Va. Railway-spike. No. 1,051,703; Jan. 28; Gaz. vol. 186; p. 914.
- Dillon, Charles A., assignor to The United Electric Company, Canton, Ohio. Vertical bearing. No. 1,062,638; May 27; Gaz. vol. 190; p. 822.
- Dillon, Friend E., assignor of two-tenths to C. H. Copp, two-tenths to H. Speidel, and two tenths to G. O. Nagle, Wheeling, W. Va. Rail-clamp. No. 1,050,009; Jan. 7; Gaz. vol. 186; p. 233.

Alphabetical list of patentees—Continued.

- Dillon, Friend E., Martins Ferry, Ohio, assignor of one-eighth to W. M. Clemens, one-sixth to C. H. Copp, one-sixth to H. Speidel, and one-sixth to G. O. Nagle, Wheeling, W. Va. Rail-joint. No. 1,055,991; Mar. 11; Gaz. vol. 188; p. 485.
- Dillon, Friend E., assignor of one-fifth to C. H. Copp, one-fifth to H. Speidel, one-fifth to G. O. Nagle, and one-eighth to W. M. Clemens, Wheeling, W. Va. Rail-joint. No. 1,064,058; June 10; Gaz. vol. 191; p. 338.
- Dillon, George W., New Lothrop, Mich. Attachment for rakes. No. 1,049,823; Jan. 7; Gaz. vol. 186; p. 172.
- Dillon, Henry, North Yakima, Wash. Bumper. No. 1,053,016; Feb. 11; Gaz. vol. 187; p. 432.
- Dillon, James A., Chicago, Ill. Water-heater. No. 1,073,222; Sept. 16; Gaz. vol. 194; p. 604.
- Dillon, James T., Greenwich, Conn. Automobile-jack. No. 1,076,555; Oct. 21; Gaz. vol. 195; p. 733.
- Dillon, L. D., *et al.* (See Bonner, Samuel, assignor.)
- Dillon, Mark. (See Fussell, George, assignor.)
- Dillon, Richard B., Oshawa, Ontario, Canada. Pole-track extension for litter-carriers. No. 1,067,807; July 22; Gaz. vol. 192; p. 754.
- Dilorenzo, Michael, Irondale, Wash. Farm-gate. No. 1,076,960; Oct. 28; Gaz. vol. 195; p. 930.
- Dilworth, John C. (See Handloser and Dilworth.)
- Dilworth, Porter & Company. (See Handloser and Dilworth, assignors.)
- Dimelow, Thomas E., Philadelphia, Pa. Artificial tooth. No. 1,070,785; Aug. 19; Gaz. vol. 193; p. 654.
- Dimmick, James G. (See Melvin and Enterline, assignors.)
- Dimmitt, Merton A. (See Thomas and Dimmitt.)
- Dimmitt, Ora, Green Castle, Mo. Tire. No. 1,072,925; Sept. 9; Gaz. vol. 194; p. 463.
- Dines, William L., Jr., assignor to William L. Dines, Jr., Co., Worcester, Mass. Feed-regulator. No. 1,061,731; May 13; Gaz. vol. 190; p. 438.
- Dinesen, Hans P., Herlöv, Denmark. Boat. No. 1,070,878; Aug. 19; Gaz. vol. 193; p. 682.
- Dinesen, Laurits, Veile, Denmark. Milking apparatus. No. 1,072,584; Sept. 9; Gaz. vol. 194; p. 341.
- Dingee, Charles R., assignor of one-half to A. C. Kelso, Lonest, Ill. Self-locking whip-socket. No. 1,073,967; Sept. 23; Gaz. vol. 194; p. 884.
- Dinger, Gustave, assignor to Dinger's Ondulateur Parfait Limited, London, England. Curling-iron and the like. No. 1,061,273; May 13; Gaz. vol. 190; p. 279.
- Dinger's Ondulateur Parfait Limited. (See Dinger, Gustave, assignor.)
- Dingfelder, Herman J., Fountain City, Wis. Swingletree-book. No. 1,082,738; Dec. 30; Gaz. vol. 197; p. 1094.
- Dingle, William G., and F. J. Hamilton, Los Angeles, Cal. Gas-generator for fumigating apparatus. No. 1,066,001; July 1; Gaz. vol. 192; p. 34.
- Dingley, Otis E. (See Marble and Dingley.)
- Dingwall, Alexander, Montreal, Quebec, Canada. Vessel. No. 1,066,087; July 1; Gaz. vol. 192; p. 65.
- Dinkel, George, Jersey City, N. J., assignor to American Tool & Machine Company, Boston, Mass. Mount for electric motors. No. 1,059,930; Apr. 22; Gaz. vol. 189; p. 983.
- Dinkelbühler, Charles L. H., Cincinnati, Ohio. Adjustable fulcrum. No. 1,055,889; Mar. 11; Gaz. vol. 188; p. 450.
- Dinkins, John M., and F. B. Hays, assignors of eight-fifteenths to W. L. Taylor, Indianapolis, Ind. Magneto ignition system. No. 1,074,416; Sept. 30; Gaz. vol. 194; p. 1062.
- Dinsmore, James W., Lookeba, Okla. Cotton-picker. No. 1,080,899; Dec. 9; Gaz. vol. 197; p. 373.
- Dion, Arsène, Berkeley, R. I. Self-threading shuttle. No. 1,051,704; Jan. 28; Gaz. vol. 186; p. 914.
- Dippel, Charles F., assignor of one-half to D. E. Teague and E. G. Langhammer, Brenham, Tex. Explosive compound. No. 1,054,515; Feb. 25; Gaz. vol. 187; p. 1026.
- Dippold, John A., New Haven, Conn. Puzzle. No. 1,071,401; Aug. 26; Gaz. vol. 193; p. 892.
- Direct-Line General Telephone Company. (See Andriano, Albert K., assignor.)
- Dirksen, Theodor L., Springfield, assignor of one-half to H. W. Le Tissier, Bath, and one-half to W. Hartter, Springfield, Ill. Self-dumping wheelbarrow. No. 1,071,717; Sept. 2; Gaz. vol. 194; p. 16.
- Disbrow, Reuben B., Owatonna, Minn. Combined churn and butter-worker. No. 1,052,899; Feb. 11; Gaz. vol. 187; p. 392.
- Discher, Grant F., Milwaukee, Wis. Bumper-bracket. No. 1,052,224; Feb. 4; Gaz. vol. 187; p. 131.
- Discher, William. (See Holland and Discher.)
- Diserens, Thomas H., Dallas, assignor of one-half to J. C. Garner, Brownwood, Tex. Street-sweeping machine. No. 1,071,301; Aug. 26; Gaz. vol. 193; p. 858.
- Diskin, Moses B., assignor to N. Kirzner, New York, N. Y. Water-heater. No. 1,049,461; Jan. 7; Gaz. vol. 186; p. 48.
- Dismuke, W. H., *et al.* (See Morton, Frank M., assignor.)
- Dispatch Motor Car Company. (See Davenport, Birge W., assignor.)
- Display Vending Co. (See Whitmore, Frederick C., assignor.)
- Diss, Albert B., Newark, N. J., assignor to Universal Caster & Foundry Company, New York, N. Y. Caster. No. 1,051,705; Jan. 28; Gaz. vol. 186; p. 915.
- Diss, Albert B., Newark, N. J., assignor to Universal Caster & Foundry Company, New York, N. Y. Caster. No. 1,051,706; Jan. 28; Gaz. vol. 186; p. 915.
- Diss, Albert B., Newark, N. J., assignor to Universal Caster & Foundry Company, New York, N. Y. Caster. No. 1,062,897; May 27; Gaz. vol. 190; p. 907.
- Diss, Albert B., Newark, N. J., assignor to Universal Caster & Foundry Company, New York, N. Y. Caster for furniture. No. 1,072,210; Sept. 2; Gaz. vol. 194; p. 184.
- Distelhorst, George A., Leshara, assignor of one-third to J. A. Swanson, Omaha, Nebr. Wheel-rim. No. 1,050,624; Jan. 14; Gaz. vol. 186; p. 480.
- Ditmars, Frederick R. S., Kansas City, Mo. Stamp-affixing and envelop-sealing machine. No. 1,072,585; Sept. 9; Gaz. vol. 194; p. 342.
- Dittman, Samuel E., New York, N. Y. Producing printing-surfaces. No. 1,060,893; May 6; Gaz. vol. 190; p. 114.
- Dittmar, John A. (See Goeth, Rodgers, and Dittmar.)
- Dittmer, William A., Tekoa, Wash. Gage-cock. No. 1,080,426; Dec. 2; Gaz. vol. 197; p. 180.
- Divine, Charles A. (See Mason, Richard F., assignor.)
- Divine, Bradford H., Utica, N. Y. Vehicle-tire. No. 1,056,976; Mar. 25; Gaz. vol. 188; p. 887.
- Divine, Bradford H., Utica, N. Y. Tire. No. 1,056,977; Mar. 25; Gaz. vol. 188; p. 887.
- Dixfield Toothpick Company. (See Ricker and Guild, assignors.)
- Dixie Cotton Picker Company. (See Appleby, John F., assignor.)
- Dixon, Amos F. (See Craft and Dixon.)
- Dixon, Amos F. (See Reynolds and Dixon.)
- Dixon, Amos F., Newark, N. J., assignor to Western Electric Company, New York, N. Y. Electrical protective apparatus. No. 1,057,126; Mar. 25; Gaz. vol. 188; p. 939.
- Dixon, Amos F., assignor to Western Electric Company, Chicago, Ill. Fastening device. No. 1,062,145; May 20; Gaz. vol. 190; p. 616.
- Dixon, Amos F., Newark, N. J., assignor to Western Electric Company, New York, N. Y. Pneumatic valve. No. 1,065,924; July 1; Gaz. vol. 192; p. 6.
- Dixon, Elbert S., and H. E. Werner, Houston, Tex. Feed-mixer. No. 1,062,086; May 20; Gaz. vol. 190; p. 596.
- Dixon, Ezra, Bristol, R. I. Weight-lever for spinning-machines. No. 1,078,996; Nov. 18; Gaz. vol. 196; p. 668.
- Dixon, James F., Kansas City, Mo., assignor to I. Hill, Lawrence, Kans. Package. No. 1,078,263; Nov. 11; Gaz. vol. 196; p. 382.
- Dixon, Laurens P., New York, and G. E. Post, Brooklyn, assignors to Anderson & Prigge, New York, N. Y. Binder-frame. No. 1,081,297; Dec. 16; Gaz. vol. 197; p. 542.
- Dixon, Ralph H., Newark, N. J. Centrifugal pump. No. 1,050,523; Jan. 14; Gaz. vol. 186; p. 446.
- Dixon, Robert M., East Orange, N. J., assignor to Safety Car Heating & Lighting Company. Heating system. No. 1,052,900; Feb. 11; Gaz. vol. 187; p. 393.
- Dixon, Robert M., East Orange, N. J., assignor, by mesne assignments, to Standard Heat and Ventilation Company, Inc., New York, N. Y. Heater for water-circulating systems. No. 1,055,725; Mar. 11; Gaz. vol. 188; p. 395.
- Dixon, Robert M., East Orange, N. J., assignor, by mesne assignments, to Standard Heat and Ventilation Company, Inc., New York, N. Y. Hot-water system. No. 1,055,726; Mar. 11; Gaz. vol. 188; p. 395.
- Dixon, Robert M., East Orange, N. J., assignor, by mesne assignments, to Standard Heat and Ventilation Company, Inc., New York, N. Y. Heating system. No. 1,062,639; May 27; Gaz. vol. 190; p. 822.
- Dixon, Roderick J., New Britain, Conn. Floor structure. No. 1,077,223; Oct. 28; Gaz. vol. 195; p. 1015.
- Dixon, William. (See Gaudron, Edward N., assignor.)
- Dixon, William J., Kansas City, Mo. Window-ventilator. No. 1,075,967; Oct. 14; Gaz. vol. 195; p. 501.
- Dixon, William J., Kansas City, Mo. Car-replacer. No. 1,082,936; Dec. 30; Gaz. vol. 197; p. 1163.
- Dmen, Octave, Rochester, N. Y. Switch-throwing device. No. 1,061,457; May 13; Gaz. vol. 190; p. 342.
- Doak, Frederick M., San Francisco, Cal. Water-flume. No. 1,052,901; Feb. 11; Gaz. vol. 187; p. 393.
- Doan, Charles O., Chicago, Ill. Wind-shield for vehicles. No. 1,050,524; Jan. 14; Gaz. vol. 186; p. 447.
- Doane, Harry E., assignor to The J. D. Randall Company, Cincinnati, Ohio. Horse-collar-stuffing machine. No. 1,069,769; Aug. 12; Gaz. vol. 193; p. 264.
- Dobbins, Thomas M. (See Podmore, Arthur J., assignor.)
- Dobbins, Timothy C., Los Angeles, Cal. Tool for repairing pneumatic tires, &c. No. 1,051,490; Jan. 28; Gaz. vol. 186; p. 843.

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- Dobbs, Arthur E., Winona, Minn. Lamp-support for vehicles. No. 1,064,454; June 10; Gaz. vol. 191; p. 476.
- Dobelin, Charles W. (See Jenewein and Dobelin.)
- Dobkevitch, Gaëtan, assignor to Société Internationale de la Lampe Electrique O. R., Paris, France. Manufacture of incandescent filaments. No. 1,076,873; Oct. 28; Gaz. vol. 195; p. 899.
- Doble, Abner, Waltham, Mass. Fuel and water regulator for boilers. No. 1,067,101; July 8; Gaz. vol. 192; p. 442.
- Doble, Mary E. (See Doble, William A., assignor.)
- Doble, William A., assignor to M. E. Doble, San Francisco, Cal. Spring. No. 1,076,961; Oct. 28; Gaz. vol. 195; p. 931.
- Doble, William A., assignor to M. E. Doble, San Francisco, Cal. Nozzle for hydraulic motors. No. 1,076,962; Oct. 28; Gaz. vol. 195; p. 931.
- Doble, William A., assignor to M. E. Doble, San Francisco, Cal. Hydraulic regulating-nozzle. No. 1,076,963; Oct. 28; Gaz. vol. 195; p. 931.
- Doble, William H., *et al.* (See Field, Samuel B., assignor.)
- Dobmeier, Fred, Buffalo, N. Y. Rail-fastener. No. 1,053,583; Feb. 18; Gaz. vol. 187; p. 673.
- Dobmeier, Jacob A., Park River, N. D. Tender for traction-engines. No. 1,051,202; Jan. 21; Gaz. vol. 186; p. 712.
- Dobrowolski, Konstanty, New York, N. Y. Wrench. No. 1,072,101; Sept. 2; Gaz. vol. 194; p. 147.
- Dobson, James, Birmingham, England. Weighing-machine. No. 1,061,229; May 6; Gaz. vol. 190; p. 228.
- Dobson, John E., New York, assignor to E. W. Bliss Company, Brooklyn, N. Y. Machine for forming metal cups. No. 1,056,012; Mar. 18; Gaz. vol. 188; p. 527.
- Dobson, Randolph R. S., New York, N. Y. Safety attachment for elevator-doors. No. 1,059,717; Apr. 22; Gaz. vol. 189; p. 914.
- Dobson, Shadrach M., Portland, Me. Steam-turbine. No. 1,063,333; June 3; Gaz. vol. 191; p. 55.
- Dobyne, George A. (See Corcoran and Dobyne.)
- Dobyne, George A. (See Dobyne, Stephen A. and G. A.)
- Dobyne, George A., assignor to Champion Shoe Machinery Company, St. Louis, Mo. Heel-cutting machine. No. 1,066,387; July 1; Gaz. vol. 192; p. 169.
- Dobyne, George A., assignor to Champion Shoe Machinery Company, St. Louis, Mo. Leather-rolling machine. No. 1,067,164; July 8; Gaz. vol. 192; p. 465.
- Dobyne, George A., assignor to Champion Shoe Machinery Company, St. Louis, Mo. Leather-working machine. No. 1,067,165; July 8; Gaz. vol. 192; p. 465.
- Dobyne, George A., assignor, by mesne assignments, to W. Wolfe and M. Koehler, trustees, St. Louis, Mo. Heel-building machine. No. 1,080,682; Dec. 9; Gaz. vol. 197; p. 296.
- Dobyne, George A. and S. A., assignors to Champion Shoe Machinery Company, St. Louis, Mo. Seam for shoe-soles. No. 1,072,211; Sept. 2; Gaz. vol. 194; p. 184.
- Dobyne, George A. and S. A., assignors to Champion Shoe Machinery Company, St. Louis, Mo. Shoe-nail. No. 1,072,213; Sept. 2; Gaz. vol. 194; p. 185.
- Dobyne, Stephen A. (See Dobyne, George A. and S. A.)
- Dobyne, Stephen A., assignor to Champion Shoe Machinery Company, St. Louis, Mo. Reel for mailing-machines. No. 1,056,751; Mar. 18; Gaz. vol. 188; p. 781.
- Dobyne, Stephen A., assignor to Champion Shoe Machinery Company, St. Louis, Mo. Nail-making machine. No. 1,058,661; Apr. 8; Gaz. vol. 189; p. 478.
- Dobyne, Stephen A., assignor to Champion Shoe Machinery Company, St. Louis, Mo. String-nail-making machine. No. 1,058,662; Apr. 8; Gaz. vol. 189; p. 478.
- Dobyne, Stephen A., assignor to Champion Shoe Machinery Company, St. Louis, Mo. Work-support for nailing-machines. No. 1,058,663; Apr. 8; Gaz. vol. 189; p. 479.
- Dobyne, Stephen A. and G. A., assignors to Champion Shoe Machinery Company, St. Louis, Mo. Making seams for shoe-soles. No. 1,072,212; Sept. 2; Gaz. vol. 194; p. 184.
- Doccetti, Silvio, Cagliari, Italy. Device for lighting kinematographic projection apparatus by means of sunlight. No. 1,059,286; Apr. 15; Gaz. vol. 189; p. 733.
- Docherty, Charles, Brooklyn, N. Y. Means for removing animals from burning structures. No. 1,081,662; Dec. 16; Gaz. vol. 197; p. 662.
- Dock, Herman, Westerly, R. I. Pump-valve-actuating mechanism. No. 1,050,817; Jan. 21; Gaz. vol. 186; p. 578.
- Docking, Arthur, Nottingham, England. Gas and air mixer. No. 1,053,793; Feb. 18; Gaz. vol. 187; p. 744.
- Dockings, John, Hamilton, Ontario, Canada. Balanced slide-valve. No. 1,066,427; July 1; Gaz. vol. 192; p. 181.
- Dockstader, Daniel, Palatine Bridge, N. Y. Railway-switch-operating mechanism. No. 1,062,822; May 27; Gaz. vol. 190; p. 881.
- Dodard, Alexander C., Marnhull, England. Insect-trap. No. 1,059,934; Apr. 22; Gaz. vol. 189; p. 985.
- Dodd, Jacob E., Yoakum, Tex. Baby-protector. No. 1,073,478; Sept. 16; Gaz. vol. 194; p. 694.
- Dodd, John, Merryville, La. Chain-release for logging-cars. No. 1,081,371; Dec. 16; Gaz. vol. 197; p. 568.
- Dodd, John W. (See Shirey and Dodd.)
- Dodd, Thomas W., Des Moines, Iowa. Cable and tube coupling. No. 1,070,948; Aug. 19; Gaz. vol. 193; p. 704.
- Dodd, Willis G., San Francisco, Cal. Piston packing-ring. No. 1,064,300; June 10; Gaz. vol. 191; p. 422.
- Dodds, Barbara C., Minneapolis, Minn. Window-sash lock. No. 1,070,671; Aug. 19; Gaz. vol. 193; p. 615.
- Dodds, Belle C., Black Mountain, N. C. Safety watch-pocket. No. 1,082,190; Dec. 23; Gaz. vol. 197; p. 870.
- Dodds, Ethan I., Central Valley, N. Y., assignor to Kerner Manufacturing Company, Pittsburgh, Pa. Stay-bolt for locomotive and other boilers. No. 1,061,274; May 13; Gaz. vol. 190; p. 279.
- Dodds, Ethan I., Central Valley, N. Y., assignor to Kerner Manufacturing Company, Pittsburgh, Pa. Fire-box stay-bolt for locomotive and other boilers. No. 1,077,975; Nov. 11; Gaz. vol. 196; p. 283.
- Dodds, Ethan I., Central Valley, N. Y., assignor to Kerner Manufacturing Company, Pittsburgh, Pa. Lock-nut. No. 1,080,332; Dec. 2; Gaz. vol. 197; p. 145.
- Dodds, Ethan I., Central Valley, N. Y., assignor, by mesne assignments, to Flannery Bolt Company, Pittsburgh, Pa. Stay-bolt. No. 1,077,045; Oct. 28; Gaz. vol. 195; p. 960.
- Dodds, Ethan I., Central Valley, N. Y., assignor, by mesne assignments, to Flannery Bolt Company, Pittsburgh, Pa. Stay-bolt. No. 1,077,046; Oct. 28; Gaz. vol. 195; p. 961.
- Dodds, Ethan I., Central Valley, N. Y., assignor, by mesne assignments, to Flannery Bolt Company, Pittsburgh, Pa. Stay-bolt. No. 1,077,047; Oct. 28; Gaz. vol. 195; p. 961.
- Dodds, Ethan I., Central Valley, N. Y., assignor, by mesne assignments, to Flannery Bolt Company, Pittsburgh, Pa. Stay-bolt. No. 1,077,048; Oct. 28; Gaz. vol. 195; p. 961.
- Dodds, Ethan I., Central Valley, N. Y., assignor, by mesne assignments, to Flannery Bolt Company, Pittsburgh, Pa. Stay-bolt. No. 1,077,049; Oct. 28; Gaz. vol. 195; p. 961.
- Dodds, Ethan I., Central Valley, N. Y., assignor, by mesne assignments, to Flannery Bolt Company, Pittsburgh, Pa. Stay-bolt. No. 1,077,050; Oct. 28; Gaz. vol. 195; p. 962.
- Dodds, Ethan I., Central Valley, N. Y., assignor, by mesne assignments, to Flannery Bolt Company, Pittsburgh, Pa. Stay-bolt. No. 1,077,051; Oct. 28; Gaz. vol. 195; p. 962.
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- Dodds, Ethan I., Central Valley, N. Y., assignor, by mesne assignments, to Flannery Bolt Company, Pittsburgh, Pa. Stay-bolt. No. 1,077,054; Oct. 28; Gaz. vol. 195; p. 963.
- Dodds, Ethan I., Central Valley, N. Y., assignor, by mesne assignments, to Flannery Bolt Company, Pittsburgh, Pa. Stay-bolt. No. 1,079,223; Nov. 18; Gaz. vol. 196; p. 747.
- Dodds, Ethan I., Central Valley, N. Y., assignor, by mesne assignments, to Flannery Bolt Company, Pittsburgh, Pa. Stay-bolt. No. 1,079,224; Nov. 18; Gaz. vol. 196; p. 747.
- Dodge, Austin R., Schenectady, N. Y., assignor to General Electric Company. Meter for measuring elastic fluids. No. 1,056,513; Mar. 18; Gaz. vol. 188; p. 609.
- Dodge, Daniel L., Inwood, and T. F. Armstrong, Far Rockaway, N. Y. Centrifugal pump. No. 1,081,725; Dec. 16; Gaz. vol. 197; p. 683.
- Dodge, Frank, Boston, assignor to F. R. Sawyer, Malden, and A. E. Coffin, Newton, Mass. Labeling-machine. No. 1,078,723; Nov. 18; Gaz. vol. 196; p. 574.
- Dodge, Frank E., and N. M. Loomis, Hartford, Conn. Electric coin-controlled device. No. 1,074,496; Sept. 30; Gaz. vol. 194; p. 1087.
- Dodge, James M., Philadelphia, Pa., assignor to Link-Belt Company, Chicago, Ill. Drive-chain links. No. 1,063,245; June 3; Gaz. vol. 191; p. 27.
- Dodge, James M., Philadelphia, Pa., assignor to Link-Belt Company, Chicago, Ill. Chain-link. No. 1,069,536; Aug. 5; Gaz. vol. 193; p. 155.
- Dodge, James M., assignor to Link-Belt Company, Chicago, Ill. Chain. No. 1,067,166; July 8; Gaz. vol. 192; p. 466.
- Dodge, Leon G., St. Louis, Mo., W. F. Freeman, and A. Vanderveld, assignors to Grand Rapids Show Case Company, Grand Rapids, Mich. Movable garment-support. (Reissue.) No. 13,660; Dec. 23; Gaz. vol. 197; p. 969.
- Dodge, Norman, East Orange, N. J., assignor to Mergenthaler Linotype Company. Typographical machine. No. 1,077,397; Nov. 4; Gaz. vol. 196; p. 55.
- Dodge, Norman, East Orange, N. J., assignor to Mergenthaler Linotype Company. Pi-stacking device for typographical machines. No. 1,078,612; Nov. 18; Gaz. vol. 196; p. 534.
- Dodge, Norman, East Orange, N. J., assignor to Mergenthaler Linotype Company. Typographical machine. No. 1,082,114; Dec. 23; Gaz. vol. 197; p. 844.

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- Dodge, Philip T., Washington, D. C. Motor-vehicle. No. 1,057,127; Mar. 25; Gaz. vol. 188; p. 940.
- Dodge, Philip T., Washington, D. C., assignor to Mergenthaler Linotype Company. Type-casting machine. No. 1,055,388; Mar. 11; Gaz. vol. 188; p. 283.
- Dodge, Philip T., Washington, D. C., assignor to Mergenthaler Linotype Company. Line-casting machine. No. 1,074,105; Sept. 30; Gaz. vol. 194; p. 959.
- Dodge, Philip T., Washington, D. C., assignor to Mergenthaler Linotype Company. Typographical composing-machine. No. 1,074,933; Oct. 7; Gaz. vol. 195; p. 117.
- Dodge, Philip T., Washington, D. C., assignor to Mergenthaler Linotype Company. Typographical machine. No. 1,076,409; Oct. 21; Gaz. vol. 195; p. 682.
- Dodge, Philip T., Washington, D. C., assignor to Mergenthaler Linotype Company. Type casting and composing machine. No. 1,081,025; Dec. 9; Gaz. vol. 197; p. 414.
- Dodge, Philip T., Washington, D. C., assignor to Mergenthaler Linotype Company. Line-casting machine. No. 1,081,026; Dec. 9; Gaz. vol. 197; p. 414.
- Dodge, Philip T., New York, N. Y., assignor to Mergenthaler Linotype Company. Typographical machine. No. 1,056,267; Mar. 18; Gaz. vol. 188; p. 614.
- Dodge, Philip T., New York, N. Y., assignor to Mergenthaler Linotype Company. Printing-form. No. 1,064,455; June 10; Gaz. vol. 191; p. 476.
- Dodge, Philip T., New York, N. Y., assignor to Mergenthaler Linotype Company. Typographical machine. No. 1,074,848; Oct. 7; Gaz. vol. 195; p. 88.
- Dodge, Philip T., New York, N. Y., assignor to Mergenthaler Linotype Company. Typographical machine. No. 1,079,478; Nov. 25; Gaz. vol. 196; p. 863.
- Dodge, Raymond E., New Haven, Conn. Ironing-machine. No. 1,081,027; Dec. 9; Gaz. vol. 197; p. 415.
- Dodge, Walter L., Chicago, Ill. Bath apparatus. No. 1,060,236; Apr. 29; Gaz. vol. 189; p. 1131.
- Dodge, Zenas U., New York, N. Y. Apparatus for making and harvesting ice. No. 1,066,262; July 1; Gaz. vol. 192; p. 128.
- Dodge, Zenas U., assignor to United Ice Improvement Company, New York, N. Y. Apparatus for making ice. No. 1,074,417; Sept. 30; Gaz. vol. 194; p. 1062.
- Dodgson, Frank L., Rochester, assignor, by mesne assignments, to General Railway Signal Company, Gates, N. Y. Railway-traffic-controlling system. No. 1,076,631; Oct. 21; Gaz. vol. 195; p. 761.
- Dods, Harry B., Brooklyn, assignor to Diamond Point Pen Company, New York, N. Y. Non-leaking fountain-pen. No. 1,075,631; Oct. 14; Gaz. vol. 195; p. 388.
- Dodson, Charles I., Pittsburg, Kans. Tire-vulcanizer. No. 1,056,013; Mar. 18; Gaz. vol. 188; p. 527.
- Dodson, Charles I., Pittsburg, Kans., assignor to Funk Brothers, Chicago Heights, Ill. Fastener for feed-heads. No. 1,073,101; Sept. 16; Gaz. vol. 194; p. 561.
- Dodson, Warren H., Bovill, Idaho. Mail-box. No. 1,054,911; Mar. 4; Gaz. vol. 188; p. 88.
- Dodwell, Malby G. C., Wellington, New Zealand. Resilient tire for the wheels of vehicles. No. 1,054,516; Feb. 25; Gaz. vol. 187; p. 1026.
- Doebelin, Fred L., Rush Hill, Mo. Support for bridge-planks. No. 1,057,997; Apr. 1; Gaz. vol. 189; p. 205.
- Doedyns, Andrew G., Dunkirk, N. Y. Rotary engine. No. 1,052,045; Feb. 4; Gaz. vol. 187; p. 69.
- Doen, Nathan M., Swampscott, Mass. Carding articles of merchandise. No. 1,072,836; Sept. 9; Gaz. vol. 194; p. 429.
- Doepker, Joseph, and F. W. Burger, Fort Wayne, Ind. Power-transmission mechanism. No. 1,057,530; Apr. 1; Gaz. vol. 189; p. 45.
- Doerflinger, William F., Halesite, N. Y. Producing diacetone alcohol. No. 1,066,474; July 8; Gaz. vol. 192; p. 228.
- Doerflinger, William F., New York, N. Y., assignor, by mesne assignments, to Niagara Alkali Company. Manufacture of stannic chlorid. No. 1,055,617; Mar. 11; Gaz. vol. 188; p. 358.
- Doerflinger, William F., Huntington, N. Y., assignor, by mesne assignments, to Niagara Alkali Company. Producing hydrates of stannic chlorid. No. 1,055,727; Mar. 11; Gaz. vol. 188; p. 395.
- Doering, Albert B., Woodstock, Minn. Flame and spark arrester. No. 1,065,118; June 17; Gaz. vol. 191; p. 730.
- Doering, Charles, Glencoe, Mo. Mowing-machine. No. 1,057,948; Apr. 1; Gaz. vol. 189; p. 188.
- Doering, Charles, Jr., assignor to Adams & Elting Co., Chicago, Ill. Apparatus for coating articles with pulverulent material. No. 1,068,863; July 29; Gaz. vol. 192; p. 1157.
- Doering, Charles, Jr., assignor to Adams & Elting Co., Chicago, Ill. Apparatus for coating articles with pulverulent material. No. 1,068,864; July 29; Gaz. vol. 192; p. 1157.
- Doering, Charles J. and W. M., Cincinnati, Ohio. Advertising display-stand. No. 1,069,770; Aug. 12; Gaz. vol. 193; p. 264.
- Doering, William, Nappanee, Ind. Grain-shocking device. No. 1,056,891; Mar. 25; Gaz. vol. 188; p. 857.
- Doering, William M. (See Doering, Charles J. and W. M.)
- Doeringer, Edward M., and A. C. St. Marie, San Francisco, Cal.; said Doeringer assignor to said St. Marie. Antiseptic container. No. 1,081,493; Dec. 16; Gaz. vol. 197; p. 609.
- Doettloff, Egmont. (See Thomsen and Doettloff.)
- Doherty, Henry L., New York, N. Y. Apparatus for producing gas. No. 1,060,171; Apr. 29; Gaz. vol. 189; p. 1108.
- Doherty, Henry L., New York, N. Y. Gas-producer. No. 1,066,717; July 8; Gaz. vol. 192; p. 314.
- Doherty, Henry L., New York, N. Y. Hydrating lime. No. 1,066,718; July 8; Gaz. vol. 192; p. 315.
- Doherty, Henry L., New York, N. Y. Hydrating lime and utilizing heat of hydration. No. 1,066,719; July 8; Gaz. vol. 192; p. 315.
- Doherty, Henry L., New York, N. Y. Treating combustible metallurgical-furnace gas to increase its calorific value. No. 1,069,865; Aug. 12; Gaz. vol. 193; p. 298.
- Doherty, Henry L., New York, N. Y. Operating gas-producers. No. 1,069,866; Aug. 12; Gaz. vol. 193; p. 298.
- Doherty, Henry L., New York, N. Y. Producing a retarded combustion of a gas-flame. No. 1,069,867; Aug. 12; Gaz. vol. 193; p. 299.
- Doherty, Henry L., New York, N. Y. Removing suspended matter from gaseous fluids. No. 1,071,893; Sept. 2; Gaz. vol. 194; p. 78.
- Doherty, Henry L., New York, N. Y. Apparatus for coking coal. No. 1,080,142; Dec. 2; Gaz. vol. 197; p. 79.
- Döhle, Fritz, Leipzig, assignor to Adolf Bleichert & Company, Leipzig-Gohlis, Germany. Carriage for ropeways and the like. No. 1,073,410; Sept. 16; Gaz. vol. 194; p. 671.
- Dohm, Charles W., Chicago Heights, Ill., assignor to Paraffine Paint Company, San Francisco, Cal. Package-forming means. No. 1,076,199; Oct. 21; Gaz. vol. 195; p. 608.
- Dohm, Frederick W., assignor of one-fourth to J. C. Bramwell and one-fourth to D. F. Reese, St. Paul, Minn. Curtain-rod bracket. No. 1,057,043; Mar. 25; Gaz. vol. 188; p. 911.
- Döhn, Fritz von, Berlin, Germany. Atomizer-valve. No. 1,066,263; July 1; Gaz. vol. 192; p. 129.
- Döhnke, William A., Evanston, Ill. Automobile-signal. No. 1,050,525; Jan. 14; Gaz. vol. 186; p. 447.
- Dohoney, Priscilla W., Columbia, Ky. Curtain-pole. No. 1,072,214; Sept. 2; Gaz. vol. 194; p. 185.
- Doidge, John J., assignor, by mesne assignments, to The R. H. Long Machinery Company, South Framingham, Mass. Feeding device. No. 1,077,055; Oct. 28; Gaz. vol. 195; p. 963.
- Doinikoff, Wladimir, Baden, Switzerland. Alternating-current dynamo-electric machine. No. 1,061,529; May 13; Gaz. vol. 190; p. 368.
- Dolan, Hugh F., Pottsville, Pa. Excavator and loader. No. 1,064,456; June 10; Gaz. vol. 191; p. 476.
- Dolan, John, *et al.* (See Carlson, Carl A., assignor.)
- Dolan, John, Duquesne, Pa. Wrench. No. 1,082,851; Dec. 30; Gaz. vol. 197; p. 1134.
- Dolan, Martin, *et al.* (See Carlson, Carl A., assignor.)
- Dolbear, Clinton E., Berkeley, Cal., assignor to F. H. Hitchcock, Washington, D. C. Refining potash-bearing brines. No. 1,058,684; Apr. 8; Gaz. vol. 189; p. 486.
- Dole, Raymond C., and C. H. Hinemeyer, Toledo, Ohio. Bottle or jar seal. No. 1,065,911; June 24; Gaz. vol. 191; p. 1036.
- Dole Valve Company. (See Allen, Everett P., assignor.)
- Dolge, William, San Francisco, Cal. Combined self-addressed statement and envelop. No. 1,069,928; Aug. 12; Gaz. vol. 193; p. 319.
- Dolivo-Dobrowolsky, Michael, Wilmersdorf, Germany, assignor to General Electric Company. Dynamometer-wattmeter. No. 1,060,894; May 6; Gaz. vol. 190; p. 115.
- Doll, Benjamin G., Lancaster, Pa. Hot-water heater. No. 1,075,700; Oct. 14; Gaz. vol. 195; p. 410.
- Doll, Clarence W., Indianapolis, Ind. Combination and arrangement of rotary web-printing machines. No. 1,074,699; Oct. 7; Gaz. vol. 195; p. 39.
- Doll, Jacob, Jr., New York, N. Y. String-plate for upright pianos. No. 1,055,323; Mar. 11; Gaz. vol. 188; p. 260.
- Doll, William F., Liberty, N. Y., assignor of one-half to L. McClung, Washington, D. C. Resilient wheel. No. 1,053,976; Feb. 25; Gaz. vol. 187; p. 842.
- Dollar, Edward, Pietersburg, Transvaal, South Africa. Operating means for stamp-mills. No. 1,082,015; Dec. 23; Gaz. vol. 197; p. 812.
- Dolle, Charles F., Cincinnati, Ohio. Tobacco-pipe. No. 1,058,734; Apr. 15; Gaz. vol. 189; p. 541.
- Dolley, Charles W., assignor of one-fourth to E. M. Vroman and one-fourth to S. D. Ketchum, Edmore, Mich. Burner. No. 1,057,128; Mar. 25; Gaz. vol. 188; p. 940.
- Dolley, Leon H., Sherman Mills, Me. Recoil-operated firearm. No. 1,067,721; July 15; Gaz. vol. 192; p. 691.
- Dollinger, Charles A., *et al.* (See Schulte, Henry P., assignor.)
- Dolman, Walter S., Philadelphia, Pa. Mechanical toy. No. 1,049,345; Jan. 7; Gaz. vol. 186; p. 10.

Alphabetical list of patentees--Continued.

- Dolph, Cyrus, Preston, Ontario, Canada. Barn. No. 1,079,040; Nov. 18; Gaz. vol. 196; p. 685.
- Dolph, Selden H., Olyphant, Pa. Cable-release for elevators. No. 1,073,968; Sept. 23; Gaz. vol. 194; p. 884.
- Dols, John A. (See Olson and Dols.)
- Dom, Chesley, assignor to The Samuel C. Tatum Company, Cincinnati, Ohio. Temporary binder. No. 1,079,640; Nov. 25; Gaz. vol. 196; p. 919.
- Dom, Chesley, assignor to The Samuel C. Tatum Company, Cincinnati, Ohio. Temporary binder. No. 1,082,852; Dec. 30; Gaz. vol. 197; p. 1134.
- Dom, Chesley, assignor to The Samuel C. Tatum Company, Cincinnati, Ohio. Bookbinder. No. 1,082,853; Dec. 30; Gaz. vol. 197; p. 1134.
- Doman, Lewis B., Elbridge, N. Y. Wind-inducing device for self-playing musical instruments. No. 1,073,223; Sept. 16; Gaz. vol. 194; p. 605.
- Doman, Lewis B., assignor to Amphion Piano Player Company, Elbridge, N. Y. Motor-action for self-playing musical instruments. No. 1,067,215; July 8; Gaz. vol. 192; p. 483.
- Doman, Lewis B., assignor to Amphion Piano Player Company, Elbridge, N. Y. Self-playing musical instrument. No. 1,075,313; Oct. 7; Gaz. vol. 195; p. 252.
- Dombowski, Anthony, Seaton, Pa. Rat-trap. No. 1,055,890; Mar. 11; Gaz. vol. 188; p. 451.
- Dombrink, Henry, Oakland, Cal. Safety-razor-frame cleaner. No. 1,059,044; Apr. 15; Gaz. vol. 189; p. 651.
- Domestic Vacuum Cleaner Company. (See Quist and Blanch, assignors.) (Reissue.)
- Dominick, George J., and E. J. Kuhlman, Knoxville, Tenn. Stovepipe. No. 1,051,867; Feb. 4; Gaz. vol. 187; p. 7.
- Donahoe, Edward H., Peoria, Ill. Valve. No. 1,063,515; June 3; Gaz. vol. 191; p. 117.
- Donahoo, Peter B., Oakland, Cal. Vehicle-wheel. No. 1,081,587; Dec. 16; Gaz. vol. 197; p. 638.
- Donahue, James W., Pe Ell, Wash. Undercut-saw guide. No. 1,054,517; Feb. 25; Gaz. vol. 187; p. 1027.
- Donald, Robert V., Skipton, Victoria, Australia. Anti-fraud bottle device. No. 1,076,489; Oct. 21; Gaz. vol. 195; p. 710.
- Donaldson, John, Glasgow, Scotland. Riddling-machine. No. 1,052,434; Feb. 4; Gaz. vol. 187; p. 202.
- Donath, Adolf, New York, N. Y. Aeronautical apparatus. No. 1,078,614; Nov. 18; Gaz. vol. 196; p. 535.
- Donath, Otto A., Sedalia, Mo. Valve-gear. No. 1,073,576; Sept. 16; Gaz. vol. 194; p. 726.
- Donavin, George B. (See Parsons, Charles J., assignor.)
- Donegan, Frank, Lynchburg, Va. Bag-closure. No. 1,064,301; June 10; Gaz. vol. 191; p. 422.
- Donegan, William R., Hartford, Conn., assignor, by mesne assignments, to Pope Manufacturing Company. Manufacture of cushions. No. 1,062,564; May 20; Gaz. vol. 190; p. 754.
- Doner, William F., Winnipeg, Manitoba, Canada. Rotary engine. No. 1,077,874; Nov. 4; Gaz. vol. 196; p. 216.
- Doney, Frank, assignor of one-half to W. T. Smith, Colfax, Wash. Insect-exterminator. No. 1,073,029; Sept. 9; Gaz. vol. 194; p. 499.
- Donges, George, Philadelphia, Pa. Ironing-table. No. 1,074,778; Oct. 7; Gaz. vol. 195; p. 67.
- Donlan, Robert W. L., Seattle, Wash. Vehicle spring device. No. 1,072,586; Sept. 9; Gaz. vol. 194; p. 342.
- Donley, George W., Modest, Ohio. Single-pedestal sanitary school desk and chair base. No. 1,053,088; Feb. 11; Gaz. vol. 187; p. 458.
- Donnell, George E., Chapel Hill, assignor of one-half to R. L. Strowd, Orange county, N. C. Retaining device for blind-slats. No. 1,050,010; Jan. 7; Gaz. vol. 186; p. 233.
- Donnell, William F., Hematite, Mo. Milk-can. No. 1,065,667; June 24; Gaz. vol. 191; p. 953.
- Donnellan, James L., *et al.* (See Bock, Alfred C. O., assignor.)
- Donnellan, John J., *et al.* (See Bock, Alfred C. O., assignor.)
- Donnelly, Edward G., Highland Park, Ill. Horseshoe. No. 1,074,353; Sept. 30; Gaz. vol. 194; p. 1041.
- Donnelly, Frank A., New York, and J. E. Blanthorn, Brooklyn, N. Y. Spring-mattress fabric. No. 1,052,466; Feb. 11; Gaz. vol. 187; p. 246.
- Donnelly, John R., assignor to Wayne Process Company, Fort Wayne, Ind. Liquid-fuel burner. No. 1,059,660; Apr. 22; Gaz. vol. 189; p. 896.
- Donnelly, John R., assignor of one-half to himself and one-half to C. F. Libby, Portland, Me. Valve for hydrocarbons. No. 1,063,334; June 3; Gaz. vol. 191; p. 56.
- Donnelly, Joseph C., Barberton, Ohio, assignor to The Diamond Match Company, Chicago, Ill. Splint-drying means for match-machines. No. 1,070,020; Aug. 12; Gaz. vol. 193; p. 350.
- Donnelly, William T., Brooklyn, N. Y. Combined deck and carline for ships. No. 1,049,685; Jan. 7; Gaz. vol. 186; p. 126.
- Donnelly, William T., Brooklyn, N. Y. Floating dry-dock. No. 1,052,225; Feb. 4; Gaz. vol. 187; p. 131.
- Donnelly, William T., Brooklyn, N. Y. Flexible transmitting-coupling. No. 1,055,025; Mar. 4; Gaz. vol. 188; p. 127.
- Donnenwerth, William J., Chariton, Iowa. Seesaw. No. 1,060,590; May 6; Gaz. vol. 190; p. 9.
- Donner, Percy E. (See Snyder, Jacob R., assignor.)
- Donning, George W., East Orange, assignor to H. T. Ambrose, Orange, N. J. Type-writer. No. 1,056,644; Mar. 18; Gaz. vol. 188; p. 743.
- Donning, George W., Stamford, Conn., assignor to H. T. Ambrose, Orange, N. J. Temporary line-adjusting device for type-writers. No. 1,056,645; Mar. 18; Gaz. vol. 188; p. 743.
- Donning, George W., Stamford, Conn., assignor to H. T. Ambrose, Orange, N. J. Type-writer. No. 1,056,646; Mar. 18; Gaz. vol. 188; p. 744.
- Donohue, Rebecca M., Oakland, Cal. Envelop. No. 1,064,302; June 10; Gaz. vol. 191; p. 422.
- Donovan, Carl D., Los Angeles, Cal. Water-gage cock. No. 1,069,929; Aug. 12; Gaz. vol. 193; p. 319.
- Donovan, James, Port Chester, N. Y. Street-sign. No. 1,063,783; June 3; Gaz. vol. 191; p. 212.
- Donovan, James P., Georgetown, Ky. Railway-tie. No. 1,078,666; Nov. 18; Gaz. vol. 196; p. 552.
- Donovan, John B., assignor of one-half to H. C. Walter, Yellow Pine, La. Engine. No. 1,081,217; Dec. 9; Gaz. vol. 197; p. 476.
- Donovan, John J., Dorchester, Mass. Floor-drain trap. No. 1,079,593; Nov. 25; Gaz. vol. 196; p. 905.
- Donovan, Lee R., Marysville, Pa. Shade-bracket. No. 1,075,466; Oct. 14; Gaz. vol. 195; p. 331.
- Doody, Fred C., St. Onge, S. D. Wagon attachment. No. 1,055,968; Mar. 11; Gaz. vol. 188; p. 477.
- Dooley, Chester G. and G. W., San Bernardino, Cal. Knife-blade scraper. (Reissue.) No. 1,057,777; June 17; Gaz. vol. 191; p. 802.
- Dooley, Clarence H., Rock Island, Ill. Planter. No. 1,067,594; July 15; Gaz. vol. 192; p. 648.
- Dooley, Frank P., Chicago, Ill. Wire fabric. No. 1,081,438; Dec. 16; Gaz. vol. 197; p. 590.
- Dooley, George W. (See Dooley, Chester G. and G. W.) (Reissue.)
- Dooley, Joseph R., Mobile, Ala. Railway-tie. No. 1,073,030; Sept. 9; Gaz. vol. 194; p. 500.
- Dooley, Thomas B., and H. A. Sévigné, said Dooley assignor to B. A. Ball, Boston, Mass. Bread-wrapping machine. No. 1,064,964; June 17; Gaz. vol. 191; p. 680.
- Doolittle, Jacob M., New Kensington, Pa. Lock-nut. No. 1,080,199; Dec. 2; Gaz. vol. 197; p. 98.
- Doolittle, Perry E., Toronto, Ontario, Canada. Adjustable hanger. No. 1,063,149; May 27; Gaz. vol. 190; p. 989.
- Doolittle, Tracy W., C. S. Winsor, and C. H. Vergason, Binghamton, N. Y. Adjustably-mounted swivel-roller. No. 1,077,906; Nov. 4; Gaz. vol. 196; p. 228.
- Doolittle, William W., assignor to Crane Company, Chicago, Ill. Molding-machine. No. 1,071,402; Aug. 26; Gaz. vol. 193; p. 892.
- Doorenbos, Jacob, Kalamazoo, Mich. Incandescent oil-lamp. No. 1,076,821; Oct. 28; Gaz. vol. 195; p. 881.
- Doose, Gabriel H. W., San Francisco, Cal. Garment hanger and stretcher. No. 1,070,236; Aug. 12; Gaz. vol. 193; p. 425.
- Dor-Delattre, Emile, Liege, Belgium. Gas-producer. No. 1,072,098; Sept. 2; Gaz. vol. 194; p. 146.
- Doran, James A. (See Doran, James C. and J. A.)
- Doran, James C. and J. A., Providence, R. I. Fastener for soft collars. No. 1,059,353; Apr. 22; Gaz. vol. 189; p. 792.
- Doran, John C. (See Rosenwald and Doran.)
- Doran, John H., Schenectady, N. Y. Seam. No. 1,072,102; Sept. 2; Gaz. vol. 194; p. 147.
- Dorchester, Watson E. (See McCulloch and Dorchester.)
- Doredant, Theodore C., New Orleans, La. Monkey-wrench. No. 1,064,059; June 10; Gaz. vol. 191; p. 338.
- Doremus, Charles A., New York, N. Y., assignor of one-half to J. S. Hoyt, Darien, Conn. Making potassium sulfate, &c. No. 1,054,518; Feb. 25; Gaz. vol. 187; p. 1027.
- Dorer, Primus O., Lee, assignor to S. Smith & Son, Limited, Westminster, England. Centrifugal governor and speed-indicator. No. 1,073,031; Sept. 9; Gaz. vol. 194; p. 500.
- Dorey, George B., assignor to F. H. Hopkins, Montreal, Quebec, Canada. Car-spring. No. 1,073,102; Sept. 16; Gaz. vol. 194; p. 561.
- Dorffel, George, Oakland, Cal. Pump. No. 1,068,865; July 29; Gaz. vol. 192; p. 1157.
- Dorffel, George, Oakland, Cal. Resilient wheel. No. 1,070,949; Aug. 19; Gaz. vol. 193; p. 705.
- Dorfman, Nathan, Chicago, Ill. Lock. No. 1,051,707; Jan. 28; Gaz. vol. 186; p. 915.
- Dorland, Max A. (See Bookwalter and Dorland.)
- Dorland, Simeon C., Norman, Okla. Fly-trap. No. 1,069,537; Aug. 5; Gaz. vol. 193; p. 155.
- Dorman, Samuel G., and W. H. Clayton, Poplar Bluff, assignors to Dalton Adding Machine Company, St. Louis, Mo. Adding and writing machine. No. 1,053,943; Feb. 18; Gaz. vol. 187; p. 793.
- Dormandy, Garry J., assignor to United Shirt and Collar Company, Troy, N. Y. Folding-machine. No. 1,054,094; Feb. 25; Gaz. vol. 187; p. 881.
- Dormandy, Garry J., assignor of one-half to United Shirt and Collar Company, Troy, N. Y. Gluing-machine. No. 1,067,867; July 22; Gaz. vol. 192; p. 775.

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- Dormandy, Garry J., assignor of one-half to United Shirt and Collar Company, Troy, N. Y. Electric-lamp fixture. No. 1,072,926; Sept. 9; Gaz. vol. 194; p. 463.
- Dorment, Frank C., assignor to Wireless Vibrator Company, Detroit, Mich. Vibrator. No. 1,064,716; June 17; Gaz. vol. 191; p. 599.
- Dorment, Frank C., assignor to Wireless Vibrator Company, Detroit, Mich. Atomizer. No. 1,075,467; Oct. 14; Gaz. vol. 195; p. 331.
- Dorn, Otto, Newark, assignor of two-thirds to Charles Bolzau & Son, Harrison, N. J. Double shade and curtain bracket. No. 1,068,043; July 22; Gaz. vol. 192; p. 834.
- Dorn, Victor. (See Plathner and Dorn.)
- Dornan Brothers. (See Shinn, Nathaniel M., assignor.)
- Dorneth, Julius, assignor to Typograph G. m. b. H., Berlin, Germany. Type setting and casting machine. No. 1,058,735; Apr. 15; Gaz. vol. 189; p. 542.
- Dorneth, Julius, assignor to Typograph G. m. b. H., Berlin, Germany. Matrix-setting and line-casting machine. No. 1,059,718; Apr. 22; Gaz. vol. 189; p. 915.
- Dorneth, Julius, assignor to Typograph G. m. b. H., Berlin, Germany. Typograph composing-machine. No. 1,072,927; Sept. 9; Gaz. vol. 194; p. 463.
- Dorneth, Julius, assignor to Typograph G. m. b. H., Berlin, Germany. Line setting and casting machine. No. 1,078,422; Nov. 11; Gaz. vol. 196; p. 440.
- Dorney, Clark L., assignor of one-half to J. E. Sells, Dayton, Ohio. Hood and drip-pan fastener. No. 1,062,229; May 20; Gaz. vol. 190; p. 645.
- Dorney, Oliver C., Allentown, Pa. Necktie-holder. No. 1,060,438; Apr. 29; Gaz. vol. 189; p. 1203.
- Dornfeld, John F., Chicago, Ill. Malt-turning machine. No. 1,066,088; July 1; Gaz. vol. 192; p. 65.
- Dorr, Benjamin B., West Toledo, Ohio. Explosive-engine. No. 1,079,845; Nov. 25; Gaz. vol. 196; p. 992.
- Dorr, Charles A., Jr., Montello, Mass. Saw-vice. No. 1,064,622; June 10; Gaz. vol. 191; p. 531.
- Dorr Cyanide Machinery Company, The. (See Trott, Maynard J., assignor.)
- Dorr, John V., Denver, Colo. Apparatus for thickening and agitating pulp. No. 1,076,666; Oct. 28; Gaz. vol. 195; p. 826.
- Dorrance, John T., Cinnaminson, N. J., assignor to Joseph Campbell Company. Preparing fruit products. No. 1,068,746; July 29; Gaz. vol. 192; p. 1114.
- Dorricott, Charles W., Philadelphia, assignor to Electrelle Company, Summerdale, Philadelphia, Pa. Pneumatic-electric tracker-bar for musical instruments. No. 1,078,133; Nov. 11; Gaz. vol. 196; p. 337.
- Dorsey, Farnum F. (See Hodgkinson, Percy W., assignor.)
- Dorsey, Farnum F., New York, N. Y., assignor to B. Phillips, Lynn, Mass. Shuttle-thread-replenishing mechanism. No. 1,077,056; Oct. 28; Gaz. vol. 195; p. 963.
- Dorsey, Farnum F., assignor to Seneca Camera Manufacturing Company, Rochester, N. Y. Spring-adjusting mechanism. No. 1,078,134; Nov. 11; Gaz. vol. 196; p. 338.
- Dorsey, John M., Ellensburg, Wash. Rail-joint fastening and the like. No. 1,078,904; Nov. 18; Gaz. vol. 196; p. 637.
- Dorsey, Linton S., Mogollon, N. Mex. Fountain-cuspidor. No. 1,058,564; Apr. 8; Gaz. vol. 189; p. 446.
- Dorsey Manufacturing Company. (See Gibbs, Howard W., assignor.)
- Dorsey Manufacturing Company. (See Roberts, Henry P., assignor.)
- Dorsey, Vernon M., Laurel Grove, Md., assignor to Empire Machine Company, Portland, Me. Glass-blowing machine. No. 1,052,902; Feb. 11; Gaz. vol. 187; p. 394.
- Dortch, Henry A., Hayti, Mo. Internal-combustion engine. No. 1,050,625; Jan. 14; Gaz. vol. 186; p. 480.
- Dosch, Charles R. (See Dosch, Peter and C. R.)
- Dosch, Emmet O., Cashton, Wis. Milk-can-ventilating device. No. 1,065,925; July 1; Gaz. vol. 192; p. 7.
- Dosch, Louis, Brooklyn, N. Y. Game-table. No. 1,080,427; Dec. 2; Gaz. vol. 197; p. 180.
- Dosch, Peter and C. R., Stratford, Conn.; said C. R. Dosch assignor to said Peter Dosch. Clamping appliance. No. 1,058,223; Apr. 8; Gaz. vol. 189; p. 329.
- Doss, Charles C., Jackson, Ohio. Lubricating device. No. 1,071,894; Sept. 2; Gaz. vol. 194; p. 78.
- Dossert, John J. (See Hinds and Dossert.)
- Dossert, John J., Syracuse, N. Y. Transposer for pneumatic musical instruments. No. 1,052,138; Feb. 4; Gaz. vol. 187; p. 102.
- Dotts, Worthington E. (See Birdsall, James E., assignor.)
- Doty, Charles H., W. L. Burner, Columbus, and J. M. Wilcox, Cleveland, assignors to The Kilbourne and Jacobs Manufacturing Company, Columbus, Ohio. Dump-car device. No. 1,057,413; Apr. 1; Gaz. vol. 189; p. 8.
- Doty, John W., Brooklyn, N. Y., assignor to The Foundation Company, Caissons and joining them. No. 1,068,228; July 22; Gaz. vol. 192; p. 897.
- Dotzler, Joseph. (See Keplinger, Karl, assignor.)
- Double Body Bolster Company. (See Frede, Charles F., assignor.)
- Double Body Bolster Company. (See Howard and Pfager, assignors.)
- Double Body Bolster Company. (See Howard and Westlake, assignors.)
- Double Body Bolster Company. (See Johnson, Boone V. H., assignor.)
- Double Body Bolster Company. (See Pfager, Harry M., assignor.)
- Double Body Bolster Company. (See Shallenberger, Charles S., assignor.)
- Double Body Bolster Company. (See Taylor, John W., assignor.)
- Double Body Bolster Company. (See Westlake and Frede, assignors.)
- Double, Edward. (See Bole, Robert E., assignor.)
- Double, Edward, et al. (See Griffin, Thomas J., assignor.)
- Double Spring Shuttle Co. (See Lacroix, Joseph, assignor.)
- Doudney, Raymond P., Batticaloa, Ceylon. Carbureting apparatus. No. 1,055,891; Mar. 11; Gaz. vol. 188; p. 451.
- Douds, Frank F. (See Swanton, Hugh, assignor.)
- Dougan, John, Dunedin, New Zealand. Ventilating-frieze for blinds. No. 1,065,510; June 24; Gaz. vol. 191; p. 900.
- Dougan, John B. (See Pearson and Conner, assignors.)
- Dougan, Kennedy, Minneapolis, Minn. Grain-blender. No. 1,069,771; Aug. 12; Gaz. vol. 193; p. 265.
- Dougan, Kennedy, Minneapolis, Minn. Governing mechanism. No. 1,071,895; Sept. 2; Gaz. vol. 194; p. 78.
- Dougherty, Thomas R., Hibbing, Minn. Nailless detachable horseshoe. No. 1,068,989; July 29; Gaz. vol. 192; p. 1200.
- Doughty, Frank M., Bronson, Kans. Lock. No. 1,074,418; Sept. 30; Gaz. vol. 194; p. 1063.
- Doughty, Henry J., Edgewood, R. I. Fabric for tire-casing. No. 1,077,125; Oct. 28; Gaz. vol. 195; p. 984.
- Doughty, Henry J., Edgewood, R. I. Friction-calender for tire fabric. No. 1,077,126; Oct. 28; Gaz. vol. 195; p. 984.
- Doughty, Henry J., Edgewood, R. I. Forming a tire-casing. No. 1,077,127; Oct. 28; Gaz. vol. 195; p. 984.
- Doughty, Henry J., Edgewood, R. I. Vehicle-tire. No. 1,077,128; Oct. 28; Gaz. vol. 195; p. 985.
- Doughty, Herman W. (See Beach and Doughty.)
- Doughty, Herman W., Binghamton, assignor to G. O. Knapp, New York, N. Y. Signaling system. No. 1,073,335; Sept. 16; Gaz. vol. 194; p. 644.
- Doughty, Howard W., Amherst, Mass. Automatic fire-extinguisher. No. 1,050,626; Jan. 14; Gaz. vol. 186; p. 481.
- Doughty, Howard W., Amherst, Mass. Automatic fire-extinguisher. No. 1,050,627; Jan. 14; Gaz. vol. 186; p. 481.
- Douglas, Elizabeth J., Los Angeles, Cal. Voting-booth. No. 1,070,879; Aug. 19; Gaz. vol. 193; p. 682.
- Douglas, Elizabeth J., Los Angeles, Cal. Folding booth. No. 1,071,896; Sept. 2; Gaz. vol. 194; p. 79.
- Douglas, Harry A., Chicago, Ill. Electric lamp. No. 1,068,331; July 22; Gaz. vol. 192; p. 933.
- Douglas, Horace L. (See Osha and Douglas.)
- Douglas, James, Westfield, N. Y. Dasher for ice-cream freezers. No. 1,067,007; July 8; Gaz. vol. 192; p. 411.
- Douglas, James A., Grand Chain, Ill. Holding attachment. No. 1,050,112; Jan. 14; Gaz. vol. 186; p. 304.
- Douglas-Jones, Walter D., London, England. Wheel for road-vehicles. No. 1,080,004; Dec. 2; Gaz. vol. 197; p. 30.
- Douglas, L. V., Wymore, Nebr. Sulky high chair. No. 1,082,854; Dec. 30; Gaz. vol. 197; p. 1134.
- Douglas, Louis M. (See Parsons, Cook, and Douglas.)
- Douglas, Paul H., East Cleveland, assignor to The Wellman-Seaver-Morgan Company, Cleveland, Ohio. Coal-leveling machine. No. 1,067,240; July 15; Gaz. vol. 192; p. 527.
- Douglas, Robert, Lipton, Saskatchewan, Canada. Furrow-slicing machine. No. 1,055,618; Mar. 11; Gaz. vol. 188; p. 359.
- Douglas, Robert, Rochester, N. Y. Food product. No. 1,082,682; Dec. 30; Gaz. vol. 197; p. 1075.
- Douglas, Roy C., San Francisco, Cal. Electric fog-signal light. No. 1,077,398; Nov. 4; Gaz. vol. 196; p. 56.
- Douglas, Theodore, New York, N. Y. Endless tread for automobile-wheels. No. 1,077,129; Oct. 28; Gaz. vol. 195; p. 985.
- Douglas, Theodore, Scarboro, N. Y. Speed-governor. No. 1,078,336; Nov. 11; Gaz. vol. 196; p. 409.
- Douglas, Theodore, Scarboro, N. Y. Power-vehicle governor. No. 1,078,337; Nov. 11; Gaz. vol. 196; p. 409.
- Douglas, William. (See Cole, Robert E., assignor.)
- Douglas, William A., Centralia, Wash. Life-saving suit. No. 1,068,866; July 29; Gaz. vol. 192; p. 1158.
- Douglas, William D., Minneapolis, Minn. Drainage, irrigation, and aeration device. No. 1,052,226; Feb. 4; Gaz. vol. 187; p. 132.
- Douglas, William H., Belleville, N. J., assignor to Healey & Co., New York, N. Y. Folding chair for automobiles. No. 1,079,846; Nov. 25; Gaz. vol. 196; p. 993.
- Douglas, William M., Galveston, Tex. Projectile. No. 1,069,237; Aug. 5; Gaz. vol. 193; p. 54.

Alphabetical list of patentees—Continued.

- Douglass, Benjamin, Jr., Orange, N. J. Pneumatic anti-slip device for power-driven vehicles. No. 1,057,044; Mar. 25; Gaz. vol. 188; p. 911.
- Douglass, Benjamin F., St. Louis, Mo. Collapsible tent-frame. No. 1,082,937; Dec. 30; Gaz. vol. 197; p. 1163.
- Douglass, Ernest D., Chicago, Ill., assignor to F. S. Betz, Hammond, Ind. Emasculator. No. 1,062,087; May 20; Gaz. vol. 190; p. 596.
- Douglass, Ernest D., Chicago, Ill., assignor to F. S. Betz, Hammond, Ind. Emasculator. No. 1,062,146; May 20; Gaz. vol. 190; p. 616.
- Douglass, Napoleon B. (See Ball, Waldron S., assignor.)
- Douglass, Napoleon B. (See Frye, Lee E., assignor.)
- Douglass, Napoleon B., Berkeley, Cal. Wall-bed. No. 1,053,481; Feb. 18; Gaz. vol. 187; p. 637.
- Douglass, Napoleon B., Berkeley, Cal. Wall-bed. No. 1,056,647; Mar. 18; Gaz. vol. 188; p. 744.
- Douglass, Samuel F., Prairie du Rocher, Ill. Vehicle running-gear. No. 1,068,044; July 22; Gaz. vol. 192; p. 834.
- Douthett, Merle W., Superior, Nebr. Silo-door. No. 1,068,045; July 22; Gaz. vol. 192; p. 834.
- Douttiel, George N., Wilksburg, Pa. Mail-bag-handling apparatus. No. 1,065,432; June 24; Gaz. vol. 191; p. 873.
- Douttiel, George N., Wilksburg, Pa. Mail-bag-delivery apparatus. No. 1,067,473; July 15; Gaz. vol. 192; p. 607.
- Dove, Claude H., Lynn, Nebr. Rake attachment for mowers. No. 1,077,262; Nov. 4; Gaz. vol. 196; p. 7.
- Dover, George W., Cranston, R. I. Pin. No. 1,077,599; Nov. 4; Gaz. vol. 196; p. 124.
- Dover Stamping & Manufacturing Company. (See Whitney, Horace E., assignor.)
- Dow, Alonzo, assignor of one-half to C. C. Adams, Wooster, Ohio. Electrogalvanic generator. No. 1,053,977; Feb. 25; Gaz. vol. 187; p. 842.
- Dow Chemical Company, The. (See Dow and Schaefer, assignors.)
- Dow Chemical Company, The. (See Griswold, Thomas, Jr., assignor.)
- Dow, E. E. (See Barnard, Charles, assignor.)
- Dow, George B. N., and J. F. Cavanaugh, Manchester, N. H. Vegetable-fork. No. 1,065,433; June 24; Gaz. vol. 191; p. 874.
- Dow, Herbert H., and A. E. Schaefer, assignors to The Dow Chemical Company, Midland, Mich. Making ferric chlorid. No. 1,054,400; Feb. 25; Gaz. vol. 187; p. 988.
- Dow, Herman L. (See Rosen, Sixten A., assignor.)
- Dow, John L., Melrose Highlands, Mass., assignor to United Shoe Machinery Company, Paterson, N. J. Inseam-trimming machine. No. 1,049,462; Jan. 7; Gaz. vol. 186; p. 49.
- Dow, Paul P., assignor of one-third to A. B. Manning, Montreal, Quebec, Canada. Telegraph-transmitter. No. 1,059,529; Apr. 22; Gaz. vol. 189; p. 854.
- Dow, Robert. (See Ledoux and Turcotte, assignors.)
- Dow, Willard E., Braintree, Mass. Magneto-interrupter. No. 1,053,164; Feb. 18; Gaz. vol. 187; p. 527.
- Dow, Willard W., Newton, Mass. Receptacle for memorandum-cards. No. 1,067,901; July 22; Gaz. vol. 192; p. 785.
- Dowd, Daniel, Portland, Ore. Door or window frame. No. 1,050,924; Jan. 21; Gaz. vol. 186; p. 618.
- Dowda, Earl G. (See Stanton and Dowda.)
- Dowdell, Dock B., Redbird, Okla. Cotton cultivator and chopper. No. 1,075,553; Oct. 14; Gaz. vol. 195; p. 360.
- Dowdle, Alva J., Des Moines, Iowa, assignor of one-half to C. Dexheimer, St. Louis, Mo. Cabinet. No. 1,055,728; Mar. 11; Gaz. vol. 188; p. 396.
- Dowell, Albert B., Garrettsville, Ohio. Wire-stretcher. No. 1,054,283; Feb. 25; Gaz. vol. 187; p. 945.
- Dowell, Harry E., Newport, Ark. Tooth. No. 1,069,680; Aug. 12; Gaz. vol. 193; p. 233.
- Dowell, Ralph, *et al.* (See Chambers, John A., assignor.)
- Dower, Will A. (See Neilsen, Charles W., assignor.)
- Dowling, James E., Little Rock, Wash. Tobacco-pipe. No. 1,049,824; Jan. 7; Gaz. vol. 186; p. 173.
- Down, William R., Reading, Pa. Drill. No. 1,069,930; Aug. 12; Gaz. vol. 193; p. 320.
- Downer, Harry B., Bridgeport, Conn. Wire corset-stay. No. 1,075,338; Oct. 14; Gaz. vol. 195; p. 285.
- Downer, Moses M., Bridgeport, Conn. Wire corset-stay. No. 1,075,339; Oct. 14; Gaz. vol. 195; p. 286.
- Downes, Louis W., and A. W. Faxon, said Faxon assignor to D. & W. Fuse Co., Providence, R. I. Magnetic chuck. No. 1,079,546; Nov. 25; Gaz. vol. 196; p. 886.
- Downey, Albert J., Piqua, Ohio. Search-light for umbrella-handles. No. 1,067,646; July 15; Gaz. vol. 192; p. 666.
- Downey, Hugh J., Modesto, Cal. Metallic railway-tie. No. 1,083,064; Dec. 30; Gaz. vol. 197; p. 1204.
- Downey, Richard F. (See Watson and Downey.)
- Downey, Uri O., Platte county, near Rushville, Mo. Rotary barrow. No. 1,056,514; Mar. 18; Gaz. vol. 188; p. 700.
- Downham, William, Jr., Philadelphia, Pa. Vehicle-wheel. No. 1,061,458; May 13; Gaz. vol. 190; p. 342.
- Downie, James K., Wawanesa, Manitoba, Canada. Rotary weeder. No. 1,078,338; Nov. 11; Gaz. vol. 196; p. 409.
- Downie, Manzer W., Presque Isle, Me., assignor of one-third to F. H. McNaught, Woodstock, Canada, and one-third to F. E. Bennett, Presque Isle, Me. Combination track-gage and recorder. No. 1,066,188; July 1; Gaz. vol. 192; p. 101.
- Downing, Charles, Chicago, Ill., assignor to American Can Company, New York, N. Y. Electrically-driven can-tester. No. 1,072,837; Sept. 9; Gaz. vol. 194; p. 430.
- Downing, Frank J., assignor to Rock Island Plow Company, Rock Island, Ill. Plow. No. 1,072,838; Sept. 9; Gaz. vol. 194; p. 430.
- Downingtown Manufacturing Company. (See Miller, Guyon, assignor.)
- Downs, George W., New York, N. Y. Sanitary telephone attachment. No. 1,066,388; July 1; Gaz. vol. 192; p. 169.
- Downs, John H., Jersey City, N. J. Reinforced fence-post. No. 1,056,515; Mar. 18; Gaz. vol. 188; p. 700.
- Downs, Joseph E., and G. D. McNames, Battle Creek, Mich. Horseshoe. No. 1,050,526; Jan. 14; Gaz. vol. 186; p. 447.
- Dowson, Bernard W. (See Bagguley, William, assignor.)
- Doxford, Arthur, Sunderland, England. Forming driving-blocks upon multiple-wire cables. No. 1,059,124; Apr. 15; Gaz. vol. 189; p. 679.
- Doxford, Charles D. and R., Durham, England. Boat-lowering apparatus for navigable vessels. No. 1,083,065; Dec. 30; Gaz. vol. 197; p. 1205.
- Doxford, Robert. (See Doxford, Charles D. and R.)
- Doyle, Albert T., Union, Ore. Mail-pouch fastener. No. 1,051,708; Jan. 28; Gaz. vol. 186; p. 916.
- Doyle, Francis J., Chicago, Ill. Gas-burner. No. 1,061,360; May 13; Gaz. vol. 190; p. 308.
- Doyle, Francis J., Chicago, Ill. Furnace. No. 1,062,147; May 20; Gaz. vol. 190; p. 617.
- Doyle, Francis J., Chicago, Ill. Locomotive. No. 1,080,103; Dec. 2; Gaz. vol. 197; p. 64.
- Doyle, Francis J., Chicago, Ill. Locomotive. No. 1,081,494; Dec. 16; Gaz. vol. 197; p. 609.
- Doyle, James S. (See Hedley and Doyle.)
- Doyle, James S., New York, N. Y. Counterbalanced window. No. 1,076,753; Oct. 28; Gaz. vol. 195; p. 857.
- Doyle, Patrick J. (See Scharding and Doyle.)
- Doyle, Percival F. (See Mackie and Doyle.)
- Doyle, Thomas, Eldorado, Ill. Safety supply-box and powder-magazine. No. 1,053,165; Feb. 18; Gaz. vol. 187; p. 528.
- Dr. C. Otto & Comp. Ges. mit beschränkter Haftung. (See Rottmann, August, assignor.)
- Dr. Erich F. Huth, G. m. b. H. (See Hirsch, Richard, assignor.)
- Dragan, Philip, C. D. George, and R. J. Palmerio, Philadelphia, Pa. Trolley-guard. No. 1,078,489; Nov. 11; Gaz. vol. 196; p. 461.
- Drager, Herman J., Orlando, Okla. Draft attachment for binders. No. 1,052,467; Feb. 11; Gaz. vol. 187; p. 246.
- Dräger, Johann H., assignor to Drägerwerk, Heinh. & Bernh. Dräger, Lübeck, Germany. Artificial breathing apparatus. No. 1,049,346; Jan. 7; Gaz. vol. 186; p. 10.
- Drägerwerk, Heinh. & Bernh. Dräger. (See Dräger, Johann H., assignor.)
- Drägerwerk, Heinh. & Bernh. Dräger. (See Stelzner, Hermann, assignor.)
- Drago, Louis A., Seattle, Wash. Fuel-controlling device. No. 1,075,701; Oct. 14; Gaz. vol. 195; p. 410.
- Dragoo, Robert E., Meadville, Pa., assignor to E. H. Fallows, New York, N. Y. Tie-plate. No. 1,059,446; Apr. 22; Gaz. vol. 189; p. 826.
- Drain, Daniel, Spokane, Wash. Horseshoe-creeper. No. 1,067,474; July 15; Gaz. vol. 192; p. 607.
- Drake, Alson L., and C. Schlayer, New York, N. Y. Elevator. No. 1,057,414; Apr. 1; Gaz. vol. 189; p. 8.
- Drake, Anna. (See Drake, Ward L. and A.)
- Drake, Arthur J. (See Hewitt and Drake.)
- Drake, Charles W., Wellington, Tex. Grapple. No. 1,056,516; Mar. 18; Gaz. vol. 188; p. 700.
- Drake, Charles W., Wellington, Tex. Railway-brake. No. 1,074,700; Oct. 7; Gaz. vol. 195; p. 40.
- Drake, Charles W., Kester, W. Va. Rail-joint. No. 1,067,322; July 15; Gaz. vol. 192; p. 557.
- Drake, Clarke S., Milwaukee, Wis. Cigar-lighter. No. 1,065,434; June 24; Gaz. vol. 191; p. 874.
- Drake, Clarke S., Milwaukee, Wis. Humidifier. No. 1,079,925; Dec. 2; Gaz. vol. 197; p. 5.
- Drake, Edwin R., De Land, Fla. Plant-protector. No. 1,077,057; Oct. 28; Gaz. vol. 195; p. 964.
- Drake, Emmett C., and E. S. Brown, Blockton, Iowa. Harness-buckle. No. 1,061,955; May 13; Gaz. vol. 190; p. 509.
- Drake, Frank, Altamont, S. D. Removable trap-teeth. No. 1,052,326; Feb. 4; Gaz. vol. 187; p. 163.
- Drake, George H., and C. Promenchenkel, Detroit, Mich. Demountable rim. No. 1,058,354; Apr. 8; Gaz. vol. 189; p. 375.
- Drake, James E., New York, N. Y. Paper-weight. No. 1,078,905; Nov. 18; Gaz. vol. 196; p. 637.
- Drake, John. (See Goff, Henry A., assignor.)
- Drake, Mina E., Los Angeles, Cal. Petticoat. No. 1,082,416; Dec. 23; Gaz. vol. 197; p. 948.

Alphabetical list of patentees—Continued.

- Drake, Murry E., and D. B. Barnett, Bessemer, Ala. Trolley-wheel. No. 1,059,931; Apr. 22; Gaz. vol. 189; p. 984.
- Drake, Stanley, Dunnville, Ontario, Canada. Parachute attachment for aeroplanes. No. 1,051,709; Jan. 28; Gaz. vol. 186; p. 916.
- Drake, Ward L. and A. Redfield, S. D. Egg-cabinet for incubators. No. 1,051,710; Jan. 28; Gaz. vol. 186; p. 916.
- Drake, Willet B., Trenton, N. J. Flower-stemmer. No. 1,064,892; June 17; Gaz. vol. 191; p. 656.
- Drake, William, *et al.* (See Morral, John, assignor.)
- Drake, William H., Columbia, S. C. Shade-bracket. No. 1,079,641; Nov. 25; Gaz. vol. 196; p. 919.
- Draper, Arthur F., Berkeley, Cal. Automobile-seat. No. 1,054,755; Mar. 4; Gaz. vol. 188; p. 35.
- Draper, Arthur F., Berkeley, Cal. Vehicle-seat. No. 1,067,008; July 8; Gaz. vol. 192; p. 411.
- Draper, Charles T., assignor to The Draper Manufacturing Company, Cleveland, Ohio. Reversible faucet and bung. No. 1,070,880; Aug. 19; Gaz. vol. 193; p. 682.
- Draper, Clare H., and C. F. Roper, assignors to C. F. Roper & Company, Hopedale, Mass. Gage. No. 1,051,711; Jan. 28; Gaz. vol. 186; p. 917.
- Draper, Clare H., and J. Northrop, Hopedale, Mass., assignors, by mesne assignments, to Draper Company. Shuttle-checking mechanism for looms. No. 1,058,292; Apr. 8; Gaz. vol. 189; p. 352.
- Draper Company. (See Ashton, Francis E., assignor.)
- Draper Company. (See Bailey, Carl E., assignor.)
- Draper Company. (See Ballou, Eugene H., assignor.)
- Draper Company. (See Cuniff, Edward A., assignor.)
- Draper Company. (See Draper and Northrop, assignors.)
- Draper Company. (See Hendry, John, assignor.)
- Draper Company. (See Koehlin, Albert G., assignor.)
- Draper Company. (See Northrop, Jonas, assignor.)
- Draper Company. (See O'Neill, John F., assignor.)
- Draper Company. (See Patterson, George, assignor.)
- Draper Company. (See Pope, Toombs O., assignor.)
- Draper Company. (See Rhoades, Alonzo E., assignor.)
- Draper Company. (See Riley, Andrew J., assignor.)
- Draper Company. (See Smith, John, assignor.)
- Draper Company. (See Stimpson, Edward S., assignor.)
- Draper Company. (See Stone, Melvin L., assignor.)
- Draper Company. (See Whiting, Charles D., assignor.)
- Draper, Francis W., assignor to Starr Piano Company, Richmond, Ind. Sheet-driving mechanism for automatic players. No. 1,071,897; Sept. 2; Gaz. vol. 194; p. 79.
- Draper Manufacturing Company, The. (See Draper, Charles T., assignor.)
- Draughton, William H., assignor of one-tenth to L. H. Montgomery, Nashville, Tenn. Platform-scale. No. 1,053,718; Feb. 18; Gaz. vol. 187; p. 720.
- Dratzburg, Peter, Cincinnati, Ohio. Liquid-gage. No. 1,075,025; Oct. 7; Gaz. vol. 195; p. 150.
- Drayton, Theophilus J. B., and F. K. Woodroffe, Liverpool, England. Carbureter. No. 1,071,003; Aug. 19; Gaz. vol. 193; p. 723.
- Drayton, William, Shawnee, Ohio. Kiln. No. 1,075,904; Oct. 14; Gaz. vol. 195; p. 479.
- Dreger, Edward F., Oakland, and F. E. Pfister, Piedmont, Cal. Rim for mounting pneumatic tires. No. 1,080,814; Dec. 9; Gaz. vol. 197; p. 345.
- Dreher, Charles L., South Norwalk, Conn. Sanitary seat-cover for railway-coaches. No. 1,051,566; Jan. 28; Gaz. vol. 186; p. 869.
- Dreher, Gustave F., Schenectady, N. Y., assignor to General Electric Company. Insulating compound and making the same. No. 1,064,893; June 17; Gaz. vol. 191; p. 656.
- Dreher, Gustave F., Schenectady, N. Y., assignor to General Electric Company. Making insulating fabric. No. 1,076,874; Oct. 28; Gaz. vol. 195; p. 900.
- Dreher, Phillip J., Toledo, Ohio. Sheet-winding mechanism. No. 1,066,590; July 8; Gaz. vol. 192; p. 269.
- Dreher, Phillip J., Toledo, Ohio. Sheet-feeding means for type-writers, &c. No. 1,070,021; Aug. 12; Gaz. vol. 193; p. 350.
- Dreher, Phillip J., Toledo, Ohio. Platen-roll-turning means for type-writers. No. 1,070,237; Aug. 12; Gaz. vol. 193; p. 425.
- Dreher, Phillip J., Toledo, Ohio. Sheet-winding mechanism. No. 1,072,411; Sept. 2; Gaz. vol. 194; p. 253.
- Dreier, Dominick, Livingston, Mont. Pipe-threader. No. 1,053,482; Feb. 18; Gaz. vol. 187; p. 637.
- Dreier, Dominick, Livingston, Mont. Milling-thread cutter. No. 1,064,198; June 10; Gaz. vol. 191; p. 387.
- Dreier, Dominick, Springdale, Mont. Hydraulic motor. No. 1,058,950; Apr. 15; Gaz. vol. 189; p. 618.
- Dreisbach, John W., S. E. Flexer, and E. A. Slagle, Union Bridge, Md. Apparatus for burning cement. No. 1,071,303; Aug. 26; Gaz. vol. 193; p. 858.
- Dreivogt, Herman C., Santa Clara county, Cal. Cornice-brake machine. No. 1,067,167; July 8; Gaz. vol. 192; p. 466.
- Drenshtein, Ephraim, New York, N. Y. Combined corset and abdominal supporter. No. 1,061,664; May 13; Gaz. vol. 190; p. 415.
- Dresses, Henry, and E. J. Spaeth, assignors to Dresses Machine Tool Co., Cincinnati, Ohio. Automatic tool-stop. No. 1,063,665; June 3; Gaz. vol. 191; p. 172.
- Dresses Machine Tool Co. (See Dresses and Spaeth, assignors.)
- Dresler, Joel T., assignor of one-half to C. E. Goodwin, Salem, Va. Lace-fastening device for shoes, gloves, and the like. No. 1,067,323; July 15; Gaz. vol. 192; p. 557.
- Dressel, Frederick W., New York, N. Y. Signal-glass holder. No. 1,073,224; Sept. 16; Gaz. vol. 194; p. 605.
- Dressel, Frederick W., New York, N. Y., assignor to The Dressel Railway Lamp Works. Headlight-burner. No. 1,051,392; Jan. 28; Gaz. vol. 186; p. 809.
- Dressel, Frederick W., New York, N. Y., assignor to The Dressel Railway Lamp Works. Lantern. No. 1,069,605; Aug. 5; Gaz. vol. 193; p. 177.
- Dressel, Henry J. (See Dickenson, William, assignor.)
- Dressel Railway Lamp Works, The. (See Dressel, Frederick W., assignor.)
- Dresser, Charles A., and H. Fankboner, assignors, by mesne assignments, to G. A. E. Kohler, Chicago, Ill. Alternating-current-motor controller. No. 1,080,200; Dec. 2; Gaz. vol. 197; p. 99.
- Dressler, Charles E., and I. W. Ullman, New York, N. Y. Moving-picture film. No. 1,073,411; Sept. 16; Gaz. vol. 194; p. 671.
- Dressler, Rudolph G., New York, N. Y. Flying-machine. No. 1,068,332; July 22; Gaz. vol. 192; p. 934.
- Dressler, Rudolph G., Coney Island, N. Y. Aerodrome. No. 1,079,167; Nov. 18; Gaz. vol. 196; p. 729.
- Dreuw, Heinrich, Berlin, Germany. Massage instrument. No. 1,076,490; Oct. 21; Gaz. vol. 195; p. 710.
- Dreux, Alexander H., Newark, N. J., assignor to Scoop Folding Box Company, New York, N. Y. Antisifting box or carton. No. 1,073,103; Sept. 16; Gaz. vol. 194; p. 562.
- Drew Carrier Company. (See Wagner, Victor, assignor.)
- Drew, Fred, Boston, Mass. Automobile. No. 1,062,898; May 27; Gaz. vol. 190; p. 907.
- Drew, James W., Brackettville, Tex. Vehicle. No. 1,081,372; Dec. 16; Gaz. vol. 197; p. 568.
- Drew, John E. (See Sheehan and Drew.)
- Drew, Warren F., assignor, by mesne assignments, to Rotico Fitting and Supply Company, New York, N. Y. Flush-tank device. No. 1,069,658; Aug. 5; Gaz. vol. 193; p. 195.
- Drewell, Heinrich, Charlottenburg, assignor to Schnellsetzmaschinen-gesellschaft mit beschränkter Haftung, Berlin, Germany. Matrix-setting and type-casting machine. No. 1,077,512; Nov. 4; Gaz. vol. 196; p. 97.
- Drewry, George H. (See Rux, Ferdinand G., assignor.)
- Drexel, Martin, Buenos Aires, Argentina. Means for propelling vehicles, vessels, or the like. No. 1,069,238; Aug. 5; Gaz. vol. 193; p. 54.
- Drey, Wilfred J., Catawissa, Pa., assignor to United Shoe Machinery Company, Paterson, N. J. Shoe. No. 1,068,867; July 29; Gaz. vol. 192; p. 1159.
- Dreyer, Henry G., Cleveland, Ohio. Display-stand for flowers. No. 1,063,961; June 10; Gaz. vol. 191; p. 305.
- Dreyer, Henry G., Cleveland, Ohio. Device for fastening automobile-tops. No. 1,070,672; Aug. 19; Gaz. vol. 193; p. 615.
- Dreyfoos, Alexander W., Mount Vernon, N. Y. Photographic-printing apparatus. No. 1,051,567; Jan. 28; Gaz. vol. 186; p. 869.
- Dreyfus, Ludwig. (See Linke and Dreyfus.)
- Drieschman, William F., San Francisco, Cal. Clothes-wringer rack. No. 1,057,716; Apr. 1; Gaz. vol. 189; p. 109.
- Driggs, Mary E., administratrix. (See Driggs, William H.)
- Driggs, William H., deceased, Washington, D. C.; M. E. Driggs, administratrix. Semi-automatic gun. No. 1,076,875; Oct. 28; Gaz. vol. 195; p. 900.
- Driscoll, Con. (See Prevost, Frank, assignor.)
- Driscoll, Daniel A., Buffalo, N. Y. Toilet-powder case. No. 1,077,459; Nov. 4; Gaz. vol. 196; p. 77.
- Driscoll, Joseph B., Clifton Forge, Va. Car-door lock. No. 1,065,788; June 24; Gaz. vol. 191; p. 993.
- Driscoll, Lucy, *et al.* (See Driscoll, Spurgeon E., assignor.)
- Driscoll, Robert H., Aylmer, Quebec, Canada. Feed-mixer. No. 1,077,814; Nov. 4; Gaz. vol. 196; p. 196.
- Driscoll, Spurgeon E., assignor of one-fourth to L. Driscoll and one-fourth to A. B. Farris, Shiro, Tex. Window-sash fastener. No. 1,081,101; Dec. 9; Gaz. vol. 197; p. 437.
- Driver, Theodore P., Melrose, Mass. Automobile-lamp. No. 1,077,192; Oct. 28; Gaz. vol. 195; p. 1004.
- Droitcour, Michael A., Oak Park, Ill. Making printing-plates. No. 1,064,134; June 10; Gaz. vol. 191; p. 365.
- Droitcour, Michael A., Oak Park, Ill. Paper-feeder. No. 1,077,399; Nov. 4; Gaz. vol. 196; p. 57.
- Droitcour, Michael A., Chicago, Ill. Means for converting rotary into reciprocating motion. No. 1,073,104; Sept. 16; Gaz. vol. 194; p. 562.
- Droitcour, Michael A., assignor to Miehle Printing Press and Manufacturing Company, Chicago, Ill. Making toned printing-plates. No. 1,051,203; Jan. 21; Gaz. vol. 186; p. 712.

Alphabetical list of patentees—Continued.

- Droitcour, Michael A., Oak Park, assignor to The Miehle Printing Press & Manufacturing Company, Chicago, Ill. Plate registering and clamping device. No. 1,075,632; Oct. 14; Gaz. vol. 195; p. 388.
- Droitcour, Michael A., Oak Park, assignor to Miehle Printing Press and Manufacturing Company, Chicago, Ill. Paper-delivery mechanism. No. 1,077,400; Nov. 4; Gaz. vol. 196; p. 57.
- Droitcour, Michael A., Oak Park, assignor to Miehle Printing Press and Manufacturing Company, Chicago, Ill. Mechanical movement. No. 1,077,815; Nov. 4; Gaz. vol. 196; p. 196.
- Droitcour, Michael A., Oak Park, assignor to Miehle Printing Press and Manufacturing Company, Chicago, Ill. Sheet-delivery mechanism for rotary printing-presses. No. 1,078,997; Nov. 18; Gaz. vol. 196; p. 669.
- Dronsfeld, Albert J. (See Potter, John W., assignor.)
- Dronsfeld, Albert J., assignor of forty-nine one-hundredths to E. L. Martin, Providence, R. I. Preparing cotton for dyeing and bleaching. No. 1,077,263; Nov. 4; Gaz. vol. 196; p. 8.
- Drosin, Louis, New York, N. Y. Vaginal speculum. No. 1,066,889; July 8; Gaz. vol. 192; p. 372.
- Drosser, Joseph H., Douglas, Ariz. Developing-tank. No. 1,075,905; Oct. 14; Gaz. vol. 195; p. 480.
- Drossner & Cie. (See Drossner and Ort, assignors.)
- Drossner, Hermann. (See Ort, Anton, assignor.)
- Drossner, Hermann, and A. Ort, assignors to Drossner & Cie., Paris, France. Two-needle embroidery-sewing machine. No. 1,066,089; July 1; Gaz. vol. 192; p. 66.
- Droste, William F., Waverly, Iowa. Car-stake. No. 1,073,892; Sept. 23; Gaz. vol. 194; p. 858.
- Droutledge, Henry, Ponsonby, Auckland, New Zealand. Milking-machine. No. 1,060,828; May 6; Gaz. vol. 190; p. 91.
- Druckerman, Max, Brooklyn, N. Y. Sewing-machine. No. 1,051,315; Jan. 21; Gaz. vol. 186; p. 751.
- Druckerman, Max, Brooklyn, N. Y. Circular seam for sewed articles. No. 1,051,316; Jan. 21; Gaz. vol. 186; p. 751.
- Drube, George W., Oakland, Cal. Photographic-printing frame. No. 1,072,215; Sept. 2; Gaz. vol. 194; p. 185.
- Druitt, Percy W. (See Gilbert-Stringer and Druitt.)
- Drullard, Martha B., Los Angeles, Cal. Bonnet. No. 1,061,991; May 20; Gaz. vol. 190; p. 562.
- Drum, Alphonsus L., Highland Park, Ill. Station construction and method of handling traffic. No. 1,050,818; Jan. 21; Gaz. vol. 186; p. 578.
- Drum, Alphonsus L., Highland Park, Ill. Station construction. No. 1,057,626; Apr. 1; Gaz. vol. 189; p. 78.
- Drum, Alphonsus L., Highland Park, Ill. Subway construction. No. 1,069,931; Aug. 12; Gaz. vol. 193; p. 320.
- Drum, Alphonsus L., Highland Park, Ill. Railway system and handling traffic. No. 1,076,355; Oct. 21; Gaz. vol. 195; p. 663.
- Drum, Alphonsus L., Chicago, Ill. Station construction and method of handling traffic. No. 1,056,978; Mar. 25; Gaz. vol. 188; p. 887.
- Drum, Alphonsus L., Chicago, Ill. Station construction and method of handling traffic. No. 1,056,979; Mar. 25; Gaz. vol. 188; p. 887.
- Drum, George E. (See Smith, Drum, and Skitt.)
- Drum, Harry C., *et al.* (See Forsyth, John A., assignor.)
- Drum, Robert E., *et al.* (See Forsyth, John A., assignor.)
- Drum, Thomas C., *et al.* (See Erb, Ada M., assignor.)
- Drumbheller, William P., Springfield, assignor, by mesne assignments, to The William Carter Co., Needham Heights, Mass. Crochet or overseaming machine. No. 1,057,375; Mar. 25; Gaz. vol. 188; p. 1021.
- Drumbheller, William P., Springfield, assignor to The William Carter Co., Needham Heights, Mass. Crochet or overseaming machine. No. 1,057,376; Mar. 25; Gaz. vol. 188; p. 1021.
- Drumm, Nannie G., *et al.* (See Watkins, William J., assignor.)
- Drummond Atmospheric Pump Company. (See Drummond, William H., assignor.)
- Drummond, David A., Grand Rapids, Mich. Dish-washing machine. No. 1,064,135; June 10; Gaz. vol. 191; p. 365.
- Drummond, Lewis A., Preston, Minn. Disk cultivator. No. 1,075,410; Oct. 14; Gaz. vol. 195; p. 311.
- Drummond, Robert, Philadelphia, Pa. Permutation-padlock. No. 1,081,218; Dec. 9; Gaz. vol. 197; p. 477.
- Drummond, William H., assignor to Drummond Atmospheric Pump Company, Denver, Colo. Automatic vacuum-pump. No. 1,069,772; Aug. 12; Gaz. vol. 193; p. 265.
- Drummond, William T., *et al.* (See Payne, William R. and J. T., assignors.)
- Drury, Archie, Elgin, Kans. Lock and latch. No. 1,059,932; Apr. 22; Gaz. vol. 189; p. 984.
- Drury, Joseph A., Wykoff, Minn. Steering device for tongues. No. 1,064,060; June 10; Gaz. vol. 191; p. 339.
- Drury, Michael J., and G. W. Wright, La Junta, Colo. Coupling. No. 1,057,810; Apr. 1; Gaz. vol. 189; p. 142.
- Druschel, Henry, Columbia, Pa. Combined friction and positive clutch. No. 1,078,840; Nov. 18; Gaz. vol. 196; p. 615.
- Druse, Otis M., Omaha, Nebr. Protecting-plate. No. 1,076,556; Oct. 21; Gaz. vol. 195; p. 734.
- Druseidt, Paul, Remscheid, Germany. Electric switch or cut-out. No. 1,052,903; Feb. 11; Gaz. vol. 187; p. 394.
- Dryfoos, Milton M., New York, N. Y. Wearing-apparel. No. 1,054,519; Feb. 25; Gaz. vol. 187; p. 1027.
- Dryfoos, Milton M., New York, N. Y. Wearing-apparel. No. 1,079,041; Nov. 18; Gaz. vol. 196; p. 686.
- Dryfoos, Nathan I., Cleveland, Ohio. Soldering-tool. No. 1,062,088; May 20; Gaz. vol. 190; p. 596.
- Drysdale, James T., North Vancouver, British Columbia, Canada. Attachment for grain-binders. No. 1,071,403; Aug. 26; Gaz. vol. 193; p. 892.
- Drysdale, John, New York, N. Y. Window-sash lock. No. 1,060,747; May 6; Gaz. vol. 190; p. 63.
- Du Bois, Alexander D., Chicago, Ill., assignor, by mesne assignments, to General Electric Company. Variable-speed electric drive for planers. No. 1,057,045; Mar. 25; Gaz. vol. 188; p. 911.
- Du Bois, Howard M., Detroit, Mich. Electrolysis. No. 1,075,026; Oct. 7; Gaz. vol. 195; p. 151.
- Du Brock, Hugo. (See Voss, Antoinette, assignor.)
- Du Brul, Napoleon, assignor to The Miller, Du Brul and Peters Manufacturing Company, Cincinnati, Ohio. Rotary knife-grinder. No. 1,077,333; Nov. 4; Gaz. vol. 196; p. 32.
- Du Chemin, William P., Middletown, Ohio, assignor to The American Rolling Mill Company, Newark, N. J. Metallic culvert. No. 1,083,242; Dec. 30; Gaz. vol. 197; p. 1261.
- Du Mesnil, Charles C. (See Yancey and Du Mesnil.)
- Du Mond, Frank, Rochester, N. Y. Antisiphon-trap. No. 1,050,527; Jan. 14; Gaz. vol. 186; p. 448.
- Du Pont, Antoine B., Cleveland, Ohio. Car adapted for subway use. No. 1,073,106; Sept. 16; Gaz. vol. 194; p. 563.
- Du Pont, Eugene E. (See Reyam and Du Pont.)
- Du Pont, Francis I., Wilmington, Del. Gravity liquid separation of solids. No. 1,064,459; June 10; Gaz. vol. 191; p. 477.
- Du Pont, Francis I., Wilmington, Del. Apparatus for gravity liquid separation of solids. No. 1,067,410; July 15; Gaz. vol. 192; p. 586.
- Du Pont, Francis I., Wilmington, Del., assignor to International Haloid Company. Production of bromin or bromids. No. 1,064,460; June 10; Gaz. vol. 191; p. 478.
- Du Pont, Francis I., Wilmington, Del., assignor to International Haloid Company. Recovering separating liquids from separated solids. No. 1,081,949; Dec. 23; Gaz. vol. 197; p. 787.
- Duane H. Nash Inc. (See Taff, Frederick N., assignor.)
- Dub, Joseph, Cleveland, Ohio. Gas-valve shut-off. No. 1,069,681; Aug. 12; Gaz. vol. 193; p. 233.
- Dubbeldam, Hendrik, Hzn., Gorinchem, Netherlands. Fireproofing roofing materials. No. 1,073,800; Sept. 23; Gaz. vol. 194; p. 826.
- Dubbel, Henry, Viola, Minn. Rotary wire-splicer. No. 1,058,565; Apr. 8; Gaz. vol. 189; p. 446.
- Dubbs, Jesse A., Los Angeles, Cal. Treating petroleum and petroleum residues. No. 1,057,227; Mar. 25; Gaz. vol. 188; p. 974.
- Dubi, Joseph. (See Kotkovsky, Benjamin, assignor.)
- Dublier, William, New York, N. Y. Electric heater. No. 1,079,225; Nov. 18; Gaz. vol. 196; p. 747.
- Dubish, Mike, *et al.* (See Basinski, Ignac, assignor.)
- Dubois, James, S. Novario, and J. E. Jones, Westville, Ill. Coupling for mining-cars. No. 1,062,823; May 27; Gaz. vol. 190; p. 882.
- Dubruel, Omer F., Duluth, Minn. Combined wire-puller and fish-tape guide. No. 1,049,825; Jan. 7; Gaz. vol. 186; p. 173.
- Dubruel, Omer F., Duluth, Minn. Self-adjusting outlet-box. No. 1,058,851; Apr. 15; Gaz. vol. 189; p. 583.
- Dubue, Arthur A., and P. H. Voigt, Houston, Tex. Pump. No. 1,068,487; July 29; Gaz. vol. 192; p. 1025.
- Ducancel, Pierre. (See Gouthiere and Ducancel.)
- Ducharme, Joseph L., Schenectady, N. Y. Gas-igniter. No. 1,081,219; Dec. 9; Gaz. vol. 197; p. 477.
- Duche & Sons, T. M. (See White, Henry J., assignor.)
- Duck, Abram W., Oakland, Cal. Saddle-mount. No. 1,050,925; Jan. 21; Gaz. vol. 186; p. 619.
- Duckett, William D., Detroit, Mich. Combination tool-holder. No. 1,063,863; June 3; Gaz. vol. 191; p. 237.
- Duckham, Arthur M. (See Woodall and Duckham.)
- Duckworth, Charles W., Jacksonville, Fla. Supplemental-seat attachment for motor-cycles, bicycles, and like machines. No. 1,050,722; Jan. 14; Gaz. vol. 186; p. 510.
- Duda, Edward, Edholm, Nebr. Post-puller. No. 1,081,895; Dec. 16; Gaz. vol. 197; p. 741.
- Duden, Clarence E., *et al.* (See Boone, Aaron J., assignor.)
- Duden, Eugene L., *et al.* (See Boone, Aaron J., assignor.)
- Dudley, Charles F., Cincinnati, Ohio, assignor to United Shoe Machinery Company, Paterson, N. J. Machine for setting fasteners. No. 1,049,463; Jan. 7; Gaz. vol. 186; p. 49.

Alphabetical list of patentees—Continued.

- Dudley, Fred H., Lincoln, Nebr. Coal-chute. No. 1,049,464; Jan. 7; Gaz. vol. 186; p. 50.
- Dudley, George W., Staunton, Va., assignor to O. Woodward, Montclair, N. J. Type-writer. (Reissue.) No. 13,543; Mar. 11; Gaz. vol. 188; p. 487.
- Dudley, Howard H., Kansas City, Mo. Fish-plate. No. 1,066,002; July 1; Gaz. vol. 192; p. 34.
- Dudley, Howard H., Kansas City, Mo. Stock-car. No. 1,081,588; Dec. 16; Gaz. vol. 197; p. 639.
- Dudley, James M. (See Schwartz and Babcock, assignors.)
- Dudley, Job, Hamilton, assignor to The Smith, Dudley, Stuart Company, Limited, Burlington, Ontario, Canada. Filling-machine. No. 1,065,789; June 24; Gaz. vol. 191; p. 994.
- Dudley, John H. M. (See Reichardt and Dudley.)
- Dudley, Raymond C. (See Carscadin and Woodman, assignors.)
- Dudley, Raymond C. (See Friese, Norman L., assignor.)
- Dudley, Raymond C. (See Treptow, August, assignor.)
- Dudley, Thomas J., assignor to Eureka Manufacturing Company, Dallas, Tex. Draft-equalizer. No. 1,071,898; Sept. 2; Gaz. vol. 194; p. 79.
- Dudley, Wallace R., and L. A. Greenleaf, Danville, Pa., assignors to Star Speedometer Company. Speedometer. No. 1,072,587; Sept. 9; Gaz. vol. 194; p. 343.
- Dudson, John E., River Point, assignor to H. C. Curtis, Warwick, R. I. Manufacture of laces. No. 1,067,324; July 15; Gaz. vol. 192; p. 558.
- Duerstein, Christian W., Guilford, Ill. Automobile running-gear. No. 1,064,623; June 10; Gaz. vol. 191; p. 531.
- Duey, Otus E., Millsap, Tex. Hydrant. No. 1,058,736; Apr. 15; Gaz. vol. 189; p. 542.
- Dueysen, Helmuth, Thorp, Wis. Saw-gage. No. 1,073,969; Sept. 23; Gaz. vol. 194; p. 884.
- Duff Manufacturing Company, The. (See Hindman, Isaiah E., assignor.)
- Duff Patents Company. (See Bradley, William H., assignor.)
- Duff, Ralph A. (See Moore, Harry W., assignor.)
- Duffee, James W., Washington Court House, Ohio. Display attachment for barrels. No. 1,051,868; Feb. 4; Gaz. vol. 187; p. 7.
- Duffie, John J., San Francisco, Cal. Computing-scale cut-off. No. 1,057,811; Apr. 1; Gaz. vol. 189; p. 143.
- Duffie, John J., San Francisco, Cal., assignor to The Vacuum Specialty Manufacturing Company. Vacuum-cleaner. No. 1,057,812; Apr. 1; Gaz. vol. 189; p. 143.
- Duffield, Cloyce D., assignor of one-half to G. A. Schutt, Kendallville, Ind. Computing device. No. 1,081,663; Dec. 16; Gaz. vol. 197; p. 662.
- Duffing, Georg, Cologne, Germany. Reduction-gearing. No. 1,070,589; Aug. 19; Gaz. vol. 193; p. 588.
- Duffy, Bernard J. (See Gagnon, Peter, assignor.)
- Duffy, Charles G., New York, N. Y. Sample-case. No. 1,077,686; Nov. 4; Gaz. vol. 196; p. 153.
- Duffy, Charles H., North Laurel, Md. Spark-plug. No. 1,067,791; July 15; Gaz. vol. 192; p. 715.
- Duffy, Peter, assignor to The Schubert Piano Company, New York, N. Y. Self-playing instrument. No. 1,072,437; Sept. 9; Gaz. vol. 194; p. 290.
- Duffy, Stephen V., New York, N. Y. Corner-piece. No. 1,066,389; July 1; Gaz. vol. 192; p. 170.
- Duffy, Thomas I., Chicago, Ill. Brake mechanism. No. 1,076,564; Oct. 21; Gaz. vol. 195; p. 737.
- Duffy, Thomas I., assignor to E. C. Sales Co., Chicago, Ill. Lamp and lamp and license-sign bracket. No. 1,059,847; Apr. 22; Gaz. vol. 189; p. 956.
- Duffy, Thomas I., assignor to E. C. Sales Co., Chicago, Ill. Brake mechanism. No. 1,076,562; Oct. 21; Gaz. vol. 195; p. 736.
- Duffy, Thomas I., assignor to E. C. Sales Co., Chicago, Ill. Brake mechanism. No. 1,076,563; Oct. 21; Gaz. vol. 195; p. 737.
- Duffy, Thomas I., assignor to E. C. Sales Co., Chicago, Ill. Spanner-wrench. No. 1,076,565; Oct. 21; Gaz. vol. 195; p. 737.
- Duffy, Thomas I., assignor to Ellsworth & Cross, Chicago, Ill. Demountable wheel. No. 1,076,557; Oct. 21; Gaz. vol. 195; p. 734.
- Duffy, Thomas I., assignor to Ellsworth & Cross, Chicago, Ill. Hub for demountable wheels. No. 1,076,558; Oct. 21; Gaz. vol. 195; p. 734.
- Duffy, Thomas I., assignor to Ellsworth & Cross, Chicago, Ill. Axle for motor-vehicles. No. 1,076,559; Oct. 21; Gaz. vol. 195; p. 735.
- Duffy, Thomas I., assignor to Ellsworth & Cross, Chicago, Ill. Gearing. No. 1,076,560; Oct. 21; Gaz. vol. 195; p. 735.
- Duffy, Thomas I., assignor to Ellsworth & Cross, Chicago, Ill. Brake mechanism for motor-vehicles. No. 1,076,561; Oct. 21; Gaz. vol. 195; p. 735.
- Dufour, Emery, *et al.* (See Brousseau, Delphis, assignor.)
- Dufwa, Frederick W., Mexico, Mexico. Device for maintaining the equilibrium of flying-machines. No. 1,065,033; June 17; Gaz. vol. 191; p. 701.
- Dugan, John H., Chicago, Ill. Composition for patching stones. No. 1,065,926; July 1; Gaz. vol. 192; p. 7.
- Dugan, Samuel A., Gorgona, Canal Zone. Jointing apparatus for boiler-tubes. No. 1,078,615; Nov. 18; Gaz. vol. 196; p. 535.
- Dugan, Thomas, assignor of one-fourth to G. Fudickar, Wichita, Kans. Combined header and thresher. No. 1,051,491; Jan. 28; Gaz. vol. 186; p. 843.
- Dugan, Wm. (See Causey, Thomas S., assignor.)
- Dugger, Neal. (See Bohannon and Dugger.)
- Dugger, Thomas M., Comanche, Tex. Automatic plow-foot. No. 1,068,868; July 29; Gaz. vol. 192; p. 1159.
- Duhzel, Ferdinand, Denver, Colo. Beet-harvester. No. 1,074,610; Oct. 7; Gaz. vol. 195; p. 7.
- Duke, B. N., *et al.* (See Tatum James W., assignor.)
- Duke, Bird C., *et al.* (See Ashliman, Adolph E., assignor.)
- Duke, Calvin F., and P. F. Wright, Indianapolis, Ind. Clutch mechanism. No. 1,050,011; Jan. 7; Gaz. vol. 186; p. 234.
- Duke, James L. (See Dexter and Duke.)
- Duke, Joseph. (See Davidson, Isador, assignor.)
- Dukesmith, Frank H., assignor to The United States Air Brake Corporation, Buffalo, N. Y. Air-brake system. No. 1,064,624; June 10; Gaz. vol. 191; p. 531.
- Dukesmith, Frank H., assignor to The United States Air Brake Corporation, Buffalo, N. Y. Fluid-pressure-maintaining system. No. 1,081,526; Dec. 16; Gaz. vol. 197; p. 620.
- Dukro, William J., Lima, Ohio. Trolley-wire splice. No. 1,061,992; May 20; Gaz. vol. 190; p. 563.
- Dulin, William T., Philadelphia, Pa. Paper-bag machine. No. 1,057,377; Mar. 25; Gaz. vol. 188; p. 1022.
- Dulin, William T., Philadelphia, Pa. Paper-bag machine. No. 1,069,397; Aug. 5; Gaz. vol. 193; p. 108.
- Dull, Raymond W., Aurora, Ill. Apparatus for sizing or grading materials. No. 1,058,161; Apr. 8; Gaz. vol. 189; p. 307.
- Dull, Raymond W., Aurora, assignor to The Raymond W. Dull Company, Chicago, Ill. Screening apparatus. No. 1,082,855; Dec. 30; Gaz. vol. 197; p. 1134.
- Duluth Corrugating & Roofing Company. (See McMartin, Malcolm J., assignor.)
- Duluth Show Case Company, The. (See Bekkering, Earl H., assignor.)
- Dumars, Horace, Glen Ridge, N. J. Producing ozone and separating gases. No. 1,074,106; Sept. 30; Gaz. vol. 194; p. 959.
- Dumas, Joseph S. (See Davis and Dumas.)
- Dumble, Edwin, *et al.* (See Atkins, Herbert C., assignor.)
- Dumond, Charles M., Waterloo, Iowa. Actuating mechanism for washing-machines. No. 1,081,726; Dec. 16; Gaz. vol. 197; p. 683.
- Dun, John J., Columbus, Ohio. Fence. No. 1,064,821; June 17; Gaz. vol. 191; p. 633.
- Dun Lany, William P., assignor of one-third to A. Tubman and one-third to T. H. Tubman, Cleveland, Ohio. Musical instrument. No. 1,067,433; July 15; Gaz. vol. 192; p. 594.
- Dunaway, John E. (See Posey, James A., assignor.)
- Dunbar, Benjamin G., Sandoval, Ill. Sash-fastener. No. 1,072,839; Sept. 9; Gaz. vol. 194; p. 431.
- Dunbar, Claire N., and J. W. Batcheller, Jr., Kansas City, Mo. Garment. No. 1,073,479; Sept. 16; Gaz. vol. 194; p. 695.
- Dunbar, Frank G., assignor to Sargent Company, Chicago, Ill. Gage-glass holder. No. 1,050,926; Jan. 21; Gaz. vol. 186; p. 619.
- Dunbar, Frank G., assignor to Sargent Company, Chicago, Ill. Gage-glass protector. No. 1,050,927; Jan. 21; Gaz. vol. 186; p. 619.
- Dunbar, George B., Detroit, Mich. Internal-combustion and liquid-actuated engine. No. 1,068,634; July 29; Gaz. vol. 192; p. 1076.
- Dunbar, Robert C., Ottawa, Ontario, Canada. Loose-leaf binder. No. 1,068,115; July 22; Gaz. vol. 192; p. 856.
- Dunbar, Thomas E., Lakeland, Fla. Train-order-delivering device. No. 1,077,816; Nov. 4; Gaz. vol. 196; p. 197.
- Dunbar, William. (See Bradshaw, Charles E., assignor.)
- Duncan, Abner G., Norfolk, Va. Lamp-wick-trimming device. No. 1,050,928; Jan. 21; Gaz. vol. 186; p. 620.
- Duncan, Charles E., Sault Ste. Marie, Ontario, Canada, and J. Fawell, Pittsburgh, Pa.; said Duncan assignor to said Fawell. Manufacture of structural material. No. 1,071,718; Sept. 2; Gaz. vol. 194; p. 16.
- Duncan, Claude J. (See Duncan, Orvil F. and C. J.)
- Duncan, Edward J., Chicago, Ill. Mop. No. 1,059,125; Apr. 15; Gaz. vol. 189; p. 679.
- Duncan, Emma S., Globe, Ariz. Garment-stretcher. No. 1,077,460; Nov. 4; Gaz. vol. 196; p. 78.
- Duncan, Frederick. (See Heissig, Paul von, assignor.)
- Duncan, Garnett, Yellville, Ark. Embroidery-frame. No. 1,079,042; Nov. 18; Gaz. vol. 196; p. 686.
- Duncan, Henry J., Alpena, Mich. Lathe. No. 1,061,459; May 13; Gaz. vol. 190; p. 342.
- Duncan, James H. (See Gray and Duncan.)
- Duncan, Joseph S., *et al.* (See Rogers, Russell N., assignor.)
- Duncan, Joseph S., Chicago, Ill. Addressing-machine. No. 1,075,340; Oct. 14; Gaz. vol. 195; p. 286.

Alphabetical list of patentees—Continued.

- Duncan, Joseph S., assignor to Addressograph Company, Chicago, Ill. Card-index system. No. 1,053,283; Feb. 18; Gaz. vol. 187; p. 569.
- Duncan, Joseph S., assignor to Addressograph Company, Chicago, Ill. Sectional printing-form. No. 1,054,284; Feb. 25; Gaz. vol. 187; p. 945.
- Duncan, Joseph S., assignor to Addressograph Company, Chicago, Ill. Printing-form section. No. 1,054,285; Feb. 25; Gaz. vol. 187; p. 946.
- Duncan, Joseph S., assignor to Addressograph Company, Chicago, Ill. Envelop-feeding mechanism. No. 1,063,335; June 3; Gaz. vol. 191; p. 56.
- Duncan, Joseph S., assignor to Addressograph Company, Chicago, Ill. Envelop-feeding mechanism. No. 1,063,336; June 3; Gaz. vol. 191; p. 56.
- Duncan, Joseph S., assignor to Addressograph Company, Chicago, Ill. Type-setting machine. No. 1,063,337; June 3; Gaz. vol. 191; p. 57.
- Duncan, Joseph S., assignor to Addressograph Company, Chicago, Ill. Envelop-feeding mechanism. No. 1,063,338; June 3; Gaz. vol. 191; p. 57.
- Duncan, Joseph S., assignor to Addressograph Company, Chicago, Ill. Envelop-delivery mechanism. No. 1,063,339; June 3; Gaz. vol. 191; p. 58.
- Duncan, Joseph S., assignor to Addressograph Company, Chicago, Ill. Printing device. No. 1,063,340; June 3; Gaz. vol. 191; p. 58.
- Duncan, Joseph S., assignor to Addressograph Company, Chicago, Ill. Printing device. No. 1,080,201; Dec. 2; Gaz. vol. 197; p. 99.
- Duncan, Joseph S., assignor to Addressograph Company, Chicago, Ill. Addressing-machine. No. 1,080,202; Dec. 2; Gaz. vol. 197; p. 99.
- Duncan, Joseph S., assignor to Addressograph Company, Chicago, Ill. Printing device. No. 1,082,505; Dec. 30; Gaz. vol. 197; p. 1011.
- Duncan, Joseph S., assignor to Addressograph Company, Chicago, Ill. Printing-control system. No. 1,082,506; Dec. 30; Gaz. vol. 197; p. 1012.
- Duncan, Orvil F. and C. J., Gridley, Kans. Self-feeder for hay-presses. No. 1,073,744; Sept. 23; Gaz. vol. 194; p. 809.
- Duncan, Rolla E. (See Pronovost and Duncan.)
- Duncan, William, and J. A. Spangler, Attica, Ind. Sanitary sand-blast helmet. No. 1,075,906; Oct. 14; Gaz. vol. 195; p. 480.
- Duncan, William J., Wardner, Idaho. Shaving-brush. No. 1,074,497; Sept. 30; Gaz. vol. 194; p. 1087.
- Duncan, William M., Alton, Ill. Car-truck construction. No. 1,074,317; Sept. 30; Gaz. vol. 194; p. 1029.
- Duncan, William T., San Francisco, Cal. Milk-can container and milk-server. No. 1,072,588; Sept. 9; Gaz. vol. 194; p. 343.
- Duncanson, Dugald H., *et al.* (See Koughan, John J. K., assignor.)
- Dundas Engineering Company. (See Dundas, Roy C., assignor.)
- Dundas, Roy C., Los Angeles, Cal., assignor to Dundas Engineering Company. Making asphalt. No. 1,056,980; Mar. 25; Gaz. vol. 188; p. 888.
- Dundon, Patrick F., San Francisco, Cal. Sectional water-tube boiler. No. 1,058,293; Apr. 8; Gaz. vol. 189; p. 352.
- Dundon, Patrick F., San Francisco, Cal. Dumping-car. No. 1,075,094; Oct. 7; Gaz. vol. 195; p. 174.
- Dundon, Patrick F., San Francisco, Cal. Cradle for log-rafts. No. 1,081,439; Dec. 16; Gaz. vol. 197; p. 590.
- Dungan, Charles. (See Lawson and Dungan.)
- Dungan, Harry M., Jefferson City, Mo. Adjustable shelf. No. 1,080,203; Dec. 2; Gaz. vol. 197; p. 100.
- Dungan, John E., Harrisville, Ohio. Credit-account file. No. 1,058,951; Apr. 15; Gaz. vol. 189; p. 618.
- Dungan, John S., Lemontcove, Cal. Fertilizer-distributor. No. 1,069,398; Aug. 5; Gaz. vol. 193; p. 109.
- Dunham, Andrew A., Bainbridge, N. Y., assignor to Casein Company of America. Producing desiccated milk. No. 1,074,419; Sept. 30; Gaz. vol. 194; p. 1063.
- Dunham, Andrew A., Bainbridge, N. Y., assignor to Casein Company of America. Sizing and preparing same. No. 1,080,143; Dec. 2; Gaz. vol. 197; p. 79.
- Dunham, Andrew A., Bainbridge, N. Y., assignor to Casein Company of America. Producing casein preparations. No. 1,080,204; Dec. 2; Gaz. vol. 197; p. 100.
- Dunham, Andrew A., Bainbridge, N. Y., and H. V. Dunham, Velasco, Tex., assignors to Casein Company of America, New York, N. Y. Adhesive and making the same. No. 1,053,719; Feb. 18; Gaz. vol. 187; p. 720.
- Dunham, Charles L., Sistersville, W. Va. Pipe-wrench. No. 1,072,320; Sept. 2; Gaz. vol. 194; p. 219.
- Dunham Company, The. (See Dunham, Wiley J., assignor.)
- Dunham Company, The. (See Hist, John, assignor.)
- Dunham, George W., assignor to Chalmers Motor Company, Detroit, Mich. Automobile. No. 1,065,668; June 24; Gaz. vol. 191; p. 954.
- Dunham, George W., assignor to Chalmers Motor Company, Detroit, Mich. Gas-tank holder for motor-vehicles. No. 1,074,107; Sept. 30; Gaz. vol. 194; p. 959.
- Dunham, Henry V. (See Dunham, Andrew A. and H. V.)
- Dunham, Henry V., Bainbridge, N. Y., assignor to Nacirema Chemical Company. Converting phosphorites. No. 1,074,779; Oct. 7; Gaz. vol. 195; p. 67.
- Dunham, Henry V., Bainbridge, N. Y., assignor to Nacirema Chemical Company. Converting phosphorites. No. 1,076,200; Oct. 21; Gaz. vol. 195; p. 608.
- Dunham, Jacob W., Wichita, Kans. Pen. No. 1,063,962; June 10; Gaz. vol. 191; p. 305.
- Dunham, Lawrence B. (See Chalmers, Harry B., assignor.)
- Dunham, Melbourne K., Boston, Mass. Blowpipe and using gases therein. No. 1,075,818; Oct. 14; Gaz. vol. 195; p. 450.
- Dunham, Melbourne K., Brookline, and H. H. Armstrong, Newton, assignors to The Ozo Company, Boston, Mass. Decarbonizing-torch. No. 1,059,957; Apr. 22; Gaz. vol. 189; p. 993.
- Dunham, Samuel E., New York, N. Y. Wood-fastener machine. No. 1,068,990; July 29; Gaz. vol. 192; p. 1200.
- Dunham, Wiley J., assignor to The Dunham Company, Berea, Ohio. Implement attachment. No. 1,075,633; Oct. 14; Gaz. vol. 195; p. 389.
- Dunham, Wiley J., assignor to The Dunham Company, Berea, Ohio. Land roller or pulverizer. No. 1,082,739; Dec. 30; Gaz. vol. 197; p. 1094.
- Dunham, William A. (See Shaut and Dunham.)
- Dunis, B. (See Nielsen, Peter C., assignor.)
- Dunkel, Emory B., Lucknow, and F. S. Bowman, Harrisburg, Pa. Train-pipe cock and operating mechanism therefor. No. 1,079,847; Nov. 25; Gaz. vol. 196; p. 993.
- Dunkelburger, Charles W., assignor to Hemingway Furniture Company, Clinton, Iowa. Folding table. No. 1,058,417; Apr. 8; Gaz. vol. 189; p. 397.
- Dunkerley, Wallace E., and B. C. King, Helena, Mont. Flue-cutter. No. 1,068,991; July 29; Gaz. vol. 192; p. 1200.
- Dunkle, Samuel F., trustee. (See Morton, Walter S., assignor.)
- Dunklin, Gilbert T., South Bend, Ind. Automatic cut-out and compensating socket. No. 1,082,683; Dec. 30; Gaz. vol. 197; p. 1075.
- Dunklin, Gilbert T., assignor to George Cutter Company, South Bend, Ind. Street-hood for electric lamps. No. 1,065,669; June 24; Gaz. vol. 191; p. 954.
- Dunlap, Garland, New York, N. Y., assignor of one-half to M. O. Jentons, Closter, N. J. Shoe for elevator-guides. No. 1,076,273; Oct. 21; Gaz. vol. 195; p. 632.
- Dunlap, Robert, Grants Pass, Oreg. Tree-spraying and irrigating system. No. 1,058,566; Apr. 8; Gaz. vol. 189; p. 446.
- Dunlap, William A., Pittsburgh, Pa. Basin. No. 1,051,393; Jan. 28; Gaz. vol. 186; p. 810.
- Dunlap, William A., Pittsburgh, Pa. Manufacture of basins, &c. No. 1,051,394; Jan. 28; Gaz. vol. 186; p. 810.
- Dunlap, William A., Pittsburgh, Pa. Basin. No. 1,075,341; Oct. 14; Gaz. vol. 195; p. 286.
- Dunleavy, James F., Newton, Mass. Tab for index-cards. No. 1,077,334; Nov. 4; Gaz. vol. 196; p. 32.
- Dunlevy, Albert D., Steubenville, Ohio. Egg-testing device. No. 1,065,790; June 24; Gaz. vol. 191; p. 995.
- Dunlop Pneumatic Tyre Company, The. (See Wright, Walter, assignor.)
- Dunlop, Robert R., Columbus, Ohio, assignor to The Jeffrey Manufacturing Company. Automatic switch mechanism for electric locomotives. No. 1,049,686; Jan. 7; Gaz. vol. 186; p. 126.
- Dunlop, Robert R., Columbus, Ohio, assignor to The Jeffrey Manufacturing Company. Gathering-locomotive. No. 1,049,826; Jan. 7; Gaz. vol. 186; p. 173.
- Dunn, Alfred, Philadelphia, Pa. Pneumatically-padded boxing-glove. No. 1,054,832; Mar. 4; Gaz. vol. 188; p. 62.
- Dunn, Arthur F. (See Dunn, Elias B. and A. F.)
- Dunn, Clifford E., New York, N. Y., assignor to Gillette Safety Razor Company. Safety-razor. No. 1,064,457; June 10; Gaz. vol. 191; p. 477.
- Dunn, Ed F. (See Melick and Dunn.)
- Dunn, Edward A., Newton, Mass. File. No. 1,081,727; Dec. 16; Gaz. vol. 197; p. 683.
- Dunn, Elias B. and A. F., East Orange, N. J. Vacuum cleaning apparatus. No. 1,068,635; July 29; Gaz. vol. 192; p. 1076.
- Dunn, Emanuel W., San Francisco, Cal. Spray-burner. No. 1,051,831; Jan. 28; Gaz. vol. 186; p. 956.
- Dunn, Emanuel W., San Francisco, Cal. Oil-reservoir. No. 1,051,832; Jan. 28; Gaz. vol. 186; p. 956.
- Dunn, Emanuel W., San Francisco, Cal. Heater. No. 1,067,009; July 8; Gaz. vol. 192; p. 412.
- Dunn, Emanuel W., Oakland, Cal. Orchard-heater. No. 1,063,422; June 3; Gaz. vol. 191; p. 85.
- Dunn, Frank P., assignor to The Anderson Tool Company, Anderson, Ind. Scale. No. 1,064,458; June 10; Gaz. vol. 191; p. 477.
- Dunn, George B., *et al.* (See Ulrich, Melchior C., assignor.)
- Duan, George F., Brockton, assignor of one-half to W. B. Arnold, North Abington, Mass. Machine for snipping vamps. No. 1,057,378; Mar. 25; Gaz. vol. 188; p. 1022.

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- Dunn, Henry F., Anderson, Ind., assignor of one-half to The Computing Scale Company, Dayton, Ohio, and one-half to Dunn Manufacturing Company, Anderson, Ind. Cheese-cutter. No. 1,052,904; Feb. 11; Gaz. vol. 187; p. 395.
- Dunn, Irwin L., Longbeach, Cal. Increasing the productivity of oil-wells. No. 1,067,868; July 22; Gaz. vol. 192; p. 775.
- Dunn, John J., New York, N. Y. Milk-bottle holder. No. 1,079,978; Dec. 2; Gaz. vol. 197; p. 20.
- Dunn, John M., Savannah, Ga. Truss apparatus. No. 1,082,153; Dec. 23; Gaz. vol. 197; p. 857.
- Dunn, Joseph E., Santiago, Cuba, assignor to American Evaporator Company, Philadelphia, Pa. Evaporator. No. 1,067,010; July 8; Gaz. vol. 192; p. 412.
- Dunn, Joseph L., Albany, N. Y. Baby-comforter. No. 1,070,430; Aug. 19; Gaz. vol. 193; p. 532.
- Dunn, Leon S., and E. Guelff, Point Marion, Pa. Combination cooking utensil. No. 1,063,516; June 3; Gaz. vol. 191; p. 117.
- Dunn, Leon S., and E. Guelff, Point Marion, Pa. Wrench. No. 1,066,003; July 1; Gaz. vol. 192; p. 35.
- Dunn Manufacturing Company *et al.* (See Dunn, Henry F., assignor.)
- Dunn, Patrick, New York, N. Y. Grinding-wheel for granite. No. 1,072,216; Sept. 2; Gaz. vol. 194; p. 186.
- Dunn, Patrick H., Rome, assignor to E. C. Hall, East Branch, N. Y. Egg-lifter. No. 1,054,638; Feb. 25; Gaz. vol. 187; p. 1067.
- Dunn, Sola B., Chicago, Ill. Veterinary-file holder. No. 1,081,495; Dec. 16; Gaz. vol. 197; p. 609.
- Dunn, William, Bannock, Mont. Hydraulic transmission mechanism. No. 1,055,619; Mar. 11; Gaz. vol. 188; p. 359.
- Dunn, William H., Salem, Ohio. Friction car-stop. No. 1,050,819; Jan. 21; Gaz. vol. 186; p. 579.
- Dunn, William J., Montreal, Quebec, Canada. Door-lock. No. 1,058,043; Apr. 8; Gaz. vol. 189; p. 265.
- Dunnam, Martin L., Meridian, Miss. Combined condenser and feed-water heater. No. 1,076,410; Oct. 21; Gaz. vol. 195; p. 683.
- Dunne, Edward J., Jersey City, N. J. Electric-railway safety device. No. 1,051,091; Jan. 21; Gaz. vol. 186; p. 676.
- Dunne, Edward J., Jersey City, N. J. Safety signal device. No. 1,054,186; Feb. 25; Gaz. vol. 187; p. 914.
- Dunner, Max, assignor to Greenpoint Metallic Bed Company, Brooklyn, N. Y. Metal bedstead. No. 1,076,964; Oct. 28; Gaz. vol. 195; p. 932.
- Dunning, Ellsworth A., Minneapolis, Minn. Antislipping device. No. 1,062,326; May 20; Gaz. vol. 190; p. 677.
- Dunning, George A. (See Hartman, Harry B., assignor.)
- Dunning, Herbert S., East Orange, N. J., assignor to Westinghouse Lamp Company. Electric-lamp cut-out. No. 1,066,475; July 8; Gaz. vol. 192; p. 228.
- Dunning, Herbert S., New Dorp, N. Y., and W. G. Housekeeper, Philadelphia, Pa., assignors to Westinghouse Lamp Company. Means for photometering electric lamps. No. 1,057,415; Apr. 1; Gaz. vol. 189; p. 9.
- Dunning, Parker, Schenectady, N. Y., assignor to General Electric Company. Starting device for electric motors. No. 1,077,817; Nov. 4; Gaz. vol. 196; p. 197.
- Dunning, Robert, Cincinnati, Ohio. Sash-fastener. No. 1,066,802; July 8; Gaz. vol. 192; p. 343.
- Dunster, Charles H., Brooklyn, N. Y., and P. G. E. Gunkel, Trenton, N. J., assignors to The Dunster-Hawson Company, Inc. Vaginal syringe. No. 1,059,126; Apr. 15; Gaz. vol. 189; p. 679.
- Dunster-Hawson Company, The. (See Dunster and Gunkel, assignors.)
- Dunton, George E., New York, N. Y. Backing up electrotype-shells in the manufacture of electrotype-plates. No. 1,073,105; Sept. 16; Gaz. vol. 194; p. 563.
- Dunton, George E., New York, N. Y. Treating molds used in the art of electrotyping. No. 1,083,066; Dec. 30; Gaz. vol. 197; p. 1205.
- Dunton, John C., Grand Rapids, Mich. Cutter-head for planers. No. 1,075,907; Oct. 14; Gaz. vol. 195; p. 481.
- Dunton, John C., Grand Rapids, Mich. Flooring. No. 1,078,776; Nov. 18; Gaz. vol. 196; p. 594.
- Dunwoody, Robson, Kirkwood, Ga. Distilling turpentine from crude pine-gums of various ages. No. 1,055,149; Mar. 4; Gaz. vol. 188; p. 166.
- Dupart, Eugene F. (See Galvin and Dupart.)
- Dupart, Eugene F., assignor to Stocker Manufacturing Company, Detroit, Mich. Ball-latch. No. 1,069,932; Aug. 12; Gaz. vol. 193; p. 320.
- Dupea, Fred A. (See Hall and Dupea.)
- Dupes, George, Knoxville, Tenn. Railway joint-crossing. No. 1,078,724; Nov. 18; Gaz. vol. 196; p. 574.
- Duplex Metals Company. (See Monnot, John F., assignor.)
- Duplex Printing Press Company. (See Bechman, Henry F., assignor.)
- Duplex Printing Press Company. (See Bechman, Henry F., assignor.) (Reissue.)
- Dupont, Arthur J., Adams, assignor of one-half to A. H. Monat, Huntington, Mass. Flash-light. No. 1,074,354; Sept. 30; Gaz. vol. 194; p. 1041.
- Dupont, Henry H., Indianapolis, Ind. Concrete flooring. No. 1,081,373; Dec. 16; Gaz. vol. 197; p. 569.
- Dupont, Herman, Fair Haven, Mich. Currycomb. No. 1,061,827; May 13; Gaz. vol. 190; p. 466.
- Dupuis, Charles, Charenton, France. Kinematographic film. No. 1,068,747; July 29; Gaz. vol. 192; p. 1115.
- Dupuis, Joseph A., Portland, Oreg. Lock-strike. No. 1,059,530; Apr. 22; Gaz. vol. 189; p. 854.
- Dupuis, Noel, Aberdeen, Wash. Needle-threading device. No. 1,057,627; Apr. 1; Gaz. vol. 189; p. 78.
- Dupuis, Noël, Aberdeen, Wash. Lifting device for push-carts. No. 1,082,226; Dec. 23; Gaz. vol. 197; p. 882.
- Dupuy, Arthur O., assignor to The C. O. Bartlett & Snow Company, Cleveland, Ohio. Drying plant. No. 1,067,411; July 15; Gaz. vol. 192; p. 587.
- Duquette, Jennie, Chicopee, Mass. Hook and eye. No. 1,071,404; Aug. 26; Gaz. vol. 193; p. 893.
- Duquette, Maxim A., assignor to Toledo Scale Company, Toledo, Ohio. Weighing-scale. No. 1,072,589; Sept. 9; Gaz. vol. 194; p. 343.
- Duran, John, Waltersburg, Pa. Bottle-stopper. No. 1,060,237; Apr. 29; Gaz. vol. 189; p. 1131.
- Durand, Adélaïde. (See Bedford and Durand.)
- Durand, Emile, Salem, Mass. Life-boat. No. 1,051,833; Jan. 28; Gaz. vol. 186; p. 956.
- Durand, Emile, Salem, Mass. Track for motor-boats. No. 1,079,901; Nov. 25; Gaz. vol. 196; p. 1012.
- Durand, Wallace, Newark, N. J. Safety-catch for jewelry. No. 1,071,217; Aug. 26; Gaz. vol. 193; p. 831.
- Durant-Dort Carriage Company. (See Pfander, Walter F., assignor.)
- Durant, William C., assignor to Chevrolet Motor Company, Detroit, Mich. Control-lever for automobiles. No. 1,072,438; Sept. 9; Gaz. vol. 194; p. 290.
- Durban, Joseph R. (See Tribble, William, assignor.)
- Durbin Automatic Train Pipe Connector Company. (See Durbin, Votaw S., assignor.)
- Durbin, Frederick G., Plymouth, Pa. Hat-ventilator. No. 1,066,890; July 8; Gaz. vol. 192; p. 372.
- Durbin, Vernon, assignor to Holtzer-Cabot Electric Company, Brookline, Mass. Transmitter for selective signaling systems. No. 1,053,584; Feb. 18; Gaz. vol. 187; p. 673.
- Durbin, Votaw S., assignor to Durbin Automatic Train Pipe Connector Company, St. Louis, Mo. Train-pipe coupling. No. 1,060,562; Apr. 29; Gaz. vol. 189; p. 1246.
- Durbin, Votaw S., assignor to Durbin Automatic Train Pipe Connector Company, St. Louis, Mo. Automatic train-pipe connector. No. 1,074,849; Oct. 7; Gaz. vol. 195; p. 88.
- Durbin, Augustus C., Jr., assignor to Chicago Pump Company, Chicago, Ill. Self-controlled pumping system. No. 1,056,752; Mar. 18; Gaz. vol. 188; p. 781.
- Durbin, Augustus C., Jr., assignor to Chicago Pump Company, Chicago, Ill. Steam-beating system. No. 1,065,226; June 17; Gaz. vol. 191; p. 764.
- Duren, Charles A., *et al.* (See Smith, John W., assignor.)
- Durfée Embalming Fluid Company. (See Birdsall, Ida D., assignor.)
- Durham Duplex Razor Company. (See Sheehan, Thomas C., assignor.)
- Durham Duplex Razor Company. (See Sheehan and Drew, assignors.)
- Durham, John F., McKittrick, Cal. Pump-rod for oil-well sanding. No. 1,051,092; Jan. 21; Gaz. vol. 186; p. 676.
- Durham, Marcus M., Hancock, Mo. Hay-stacker. No. 1,054,681; Mar. 4; Gaz. vol. 188; p. 10.
- Duris, Louis. (See Dann and Duris.)
- Durkee, Anna E., Los Angeles, Cal., assignor to The Alaska Garnet Mining and Manufacturing Company. Parting compound for molders' use. No. 1,073,745; Sept. 23; Gaz. vol. 194; p. 809.
- Durkee, Charles D., Brooklyn, N. Y. Taffrail-log. No. 1,052,714; Feb. 11; Gaz. vol. 187; p. 328.
- Durkin, James, Denver, Colo. Mechanical prompter. No. 1,081,220; Dec. 9; Gaz. vol. 197; p. 477.
- Durkin, Joshua G., Winnipeg, Manitoba, Canada. Torch. No. 1,071,405; Aug. 26; Gaz. vol. 193; p. 893.
- Durkin, Maude, Denver, Colo. Carriage for hand-luggage. No. 1,081,221; Dec. 9; Gaz. vol. 197; p. 478.
- Durnan, William F., assignor to Bastian Brothers Company, Rochester, N. Y. Medallion. No. 1,055,453; Mar. 11; Gaz. vol. 188; p. 306.
- Durner, Forrest T., Evansville, Wis. Latch. No. 1,058,952; Apr. 15; Gaz. vol. 189; p. 618.
- Durno, John H., Rochester, N. Y. Engine-starting mechanism. No. 1,080,900; Dec. 9; Gaz. vol. 197; p. 373.
- Durphy, B. F. (See Langer, Gotthold L., assignor.)
- Dürr, Fritz, Heidelberg, Germany. Carbureter. No. 1,081,222; Dec. 9; Gaz. vol. 197; p. 478.
- Durr, Karl. (See Hamm and Durr.)
- Durette, Grace N., Stonewall, W. Va. Lavatory-cabinet. No. 1,053,794; Feb. 18; Gaz. vol. 187; p. 744.
- Durschak, Josef, Lapeer, Mich. Safety appliance for hatpins. No. 1,057,390; Mar. 25; Gaz. vol. 188; p. 1026.

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- Duryea, Charles E., Saginaw, Mich. Mechanism for transmitting power and motion. No. 1,072,439; Sept. 9; Gaz. vol. 194; p. 291.
- Duryea, Charles E., Reading, assignor to D. Clark, W. A. La Rue, and J. H. Fisher, Easton, Pa. Internal-combustion engine. No. 1,050,012; Jan. 7; Gaz. vol. 186; p. 234.
- Duryea, Otho C. (See White and Duryea.)
- Duryea, Otho C., and M. C. White, Chicago, Ill. Hammering implement. No. 1,063,667; June 3; Gaz. vol. 191; p. 173.
- Duryea, Otho C., and M. C. White, assignors of one-tenth to J. R. Townsend, Los Angeles, Cal. Internal-combustion tool. No. 1,063,666; June 3; Gaz. vol. 191; p. 173.
- Duryea, William F., Hackensack, N. J. Self-filling pen. No. 1,049,465; Jan. 7; Gaz. vol. 186; p. 50.
- Duryee, Edward, Los Angeles, Cal. Cement and making the same. No. 1,082,684; Dec. 30; Gaz. vol. 197; p. 1075.
- Duryee, Gustavus A. (See Evans and Duryee.)
- Dusha, Paul F., A. Feyk, and J. Komancsek, assignors to Holub-Dusha Company, New York, N. Y. Feeding device for button-making machines. No. 1,077,335; Nov. 4; Gaz. vol. 196; p. 33.
- Dusha, Paul F., A. Feyk, and J. Komancsek, assignors to Holub-Dusha Company, New York, N. Y. Button-making machine. No. 1,077,336; Nov. 4; Gaz. vol. 196; p. 33.
- Dusha, Paul F., A. Feyk, and J. Komancsek, assignors to Holub-Dusha Company, New York, N. Y. Button-making machine. No. 1,077,337; Nov. 4; Gaz. vol. 196; p. 33.
- Dusha, Paul F., A. Feyk, and J. Komancsek, assignors to Holub-Dusha Co. Inc., New York, N. Y. Button-drilling machine. No. 1,083,202; Dec. 30; Gaz. vol. 197; p. 1246.
- Dushek, Charles, Beloit, Wis. Miner's lamp. No. 1,080,050; Dec. 2; Gaz. vol. 197; p. 46.
- Dusky, H. A. (See Hubbard, John H., assignor.)
- Dustin, John F., Lawrence, Mass. Apparatus for applying stop-motion detectors to warp-threads. No. 1,072,103; Sept. 2; Gaz. vol. 194; p. 147.
- Dustin, John F., Fulton, N. Y. Electromechanical warp stop-motion for looms. No. 1,079,116; Nov. 18; Gaz. vol. 196; p. 710.
- Dustman, William L., *et al.* (See Brochu, Alfred, assignor.)
- Dutch Holding Company. (See Pink, Leonhard, assignor.)
- Dutcher, Frank, Versailles, Pa. Fiber-case railway signal-torpedo. No. 1,059,933; Apr. 22; Gaz. vol. 189; p. 984.
- Dutcher, Frank, Versailles, Pa. Railway signal-torpedo. No. 1,080,428; Dec. 2; Gaz. vol. 197; p. 181.
- Dutcher, Lewis B., Oswego, N. Y. Reel. No. 1,077,461; Nov. 4; Gaz. vol. 196; p. 78.
- Duthie, George H., Clarksburg, W. Va. Vacuum street-cleaning machine. No. 1,069,773; Aug. 12; Gaz. vol. 193; p. 265.
- Dutkiewicz, Boleslaw, Lodz, Russia. Thread stop-motion for gripping a broken thread in twisting-machines. No. 1,082,016; Dec. 23; Gaz. vol. 197; p. 812.
- Dutton, Arthur, Runcorn, England. Manufacture of stereotype-plates. No. 1,065,299; June 17; Gaz. vol. 191; p. 789.
- Dutton, Arthur, Runcorn, England. Matrix for the manufacture of stereotype and like blocks for printing. No. 1,065,300; June 17; Gaz. vol. 191; p. 790.
- Dutton, Arthur, Runcorn, England. Apparatus for making stereotype and like blocks. No. 1,065,301; June 17; Gaz. vol. 191; p. 790.
- Dutton, Edgar F., Schenectady, N. Y., assignor to General Electric Company. Means for transferring load from one generator-station to another. No. 1,065,302; June 17; Gaz. vol. 191; p. 790.
- Dutton, Frank Q., assignor of one-third to E. G. Kolb, Philadelphia, Pa. Mixer. No. 1,054,833; Mar. 4; Gaz. vol. 188; p. 62.
- Dutton, Frank Q., assignor of one-third to E. G. Kolb, Philadelphia, Pa. Sifter. No. 1,057,129; Mar. 25; Gaz. vol. 188; p. 940.
- Dutton, Marion J., Groseclose, Va. Pencil. No. 1,063,189; June 3; Gaz. vol. 191; p. 7.
- Dutton, William D. (See Bowler and Dutton.)
- Duty, Sylvester. (See Smith and Duty.)
- Duval, John, Grand Junction, Colo. Beet-harvester. No. 1,076,411; Oct. 21; Gaz. vol. 195; p. 683.
- Duval, James, Camas, Wash. Pneumatic press-feeding means. No. 1,076,491; Oct. 21; Gaz. vol. 195; p. 711.
- Duwelius, Alfred H. (See Foster and Duwelius.)
- Duxstad, Henry L., Cambridge, Wis. Apparatus for unloading hay and other material. No. 1,054,095; Feb. 25; Gaz. vol. 187; p. 881.
- Duxstad, Henry L., Cambridge, Wis. Tether. No. 1,060,439; Apr. 29; Gaz. vol. 189; p. 1203.
- Dwiggins, Sam R., and L. E. Kelley, Leonard, Tex. Spring-wheel. No. 1,063,784; June 3; Gaz. vol. 191; p. 213.
- Dwiggins Wire Fence Company. (See Van Deventer and Swank, assignors.)
- Dwyer, John T., St. Louis, Mo. Soft solder. No. 1,059,982; Apr. 29; Gaz. vol. 189; p. 1045.
- Dwyer, Joseph, Montclair, N. J. Ammonia-gas condenser. No. 1,073,746; Sept. 23; Gaz. vol. 194; p. 809.
- Dybeck, Joseph, Sault Ste. Marie, Mich. Window-plate-form. No. 1,059,287; Apr. 15; Gaz. vol. 189; p. 734.
- Dyblie, Julius A., assignor of one-half to J. I. Larimer, Joliet, Ill. Safety appliance for hot-blast stoves. No. 1,064,061; June 10; Gaz. vol. 191; p. 339.
- Dyck, George E., Chicago, Ill. Stock food and making same. No. 1,071,218; Aug. 26; Gaz. vol. 193; p. 831.
- Dye, Bloomfield U., Rocky Ford, Colo. Collar-button and necktie-holder. No. 1,066,390; July 1; Gaz. vol. 192; p. 170.
- Dye, Glen M., assignor, by mesne assignments, to C. E. Van Duzee, Minneapolis, Minn. Automatic photo printing-machine. No. 1,076,876; Oct. 28; Gaz. vol. 195; p. 900.
- Dye, Lilburn, assignor of one-half to J. D. Cleek, St. Paul, Va. Pole dumping-car. No. 1,062,956; May 27; Gaz. vol. 190; p. 927.
- Dye Works formerly L. Durand, Huguenin & Co. (See Bodmer and De la Harpe, assignors.)
- Dye Works formerly L. Durand, Huguenin & Co. (See De la Harpe and Bodmer, assignors.)
- Dye Works, formerly L. Durand, Huguenin & Co. (See Zehntner, Ernst, assignor.)
- Dyer, Charles J., Milwaukee, Wis. Halter. No. 1,070,786; Aug. 19; Gaz. vol. 193; p. 654.
- Dyer Company, The. (See Monroe and Helmar, assignors.)
- Dyer, Frank L. (See Aylsworth, Jonas W., assignor.)
- Dyer, Frank L. (See Aylsworth and Dyer.)
- Dyer, Frank L., Montclair, assignor, by mesne assignments, to Thomas A. Edison, Incorporated, West Orange, N. J. Talking-machine. No. 1,054,096; Feb. 25; Gaz. vol. 187; p. 882.
- Dyer, Frank L., Montclair, assignor to New Jersey Patent Company, West Orange, N. J. Phonograph. No. 1,075,771; Oct. 14; Gaz. vol. 195; p. 434.
- Dyer, Frank L., Montclair, assignor to New Jersey Patent Company, West Orange, N. J. Phonograph. No. 1,081,374; Dec. 16; Gaz. vol. 197; p. 569.
- Dyer, Frank P., St. Louis, Mo. Overshoe for horses. No. 1,070,881; Aug. 19; Gaz. vol. 193; p. 683.
- Dyer, Frank P., St. Louis, Mo. Hair-cutting machine. No. 1,075,908; Oct. 14; Gaz. vol. 195; p. 481.
- Dyer, George H., San Francisco, Cal. Jail-door locking and unlocking device. No. 1,059,127; Apr. 15; Gaz. vol. 189; p. 679.
- Dyer, George P., assignor to I. E. Bell, Washington, D. C. Clothes-stop. No. 1,061,054; May 6; Gaz. vol. 190; p. 172.
- Dyer, Harry W., East Orange, N. J., assignor to The Dyer Revolving Door Company. Revolving door. No. 1,053,483; Feb. 18; Gaz. vol. 187; p. 638.
- Dyer, Henry G., Collingswood, N. J. Flame arc-lamp. No. 1,049,687; Jan. 7; Gaz. vol. 186; p. 126.
- Dyer, James H., National Military Home, Kans. Gage for printing-presses. No. 1,069,606; Aug. 5; Gaz. vol. 193; p. 178.
- Dyer, Joseph, and G. H. Leonard, assignors to Maine Screen and Ventilator Company, Fairfield, Me. Window-screen. No. 1,065,303; June 17; Gaz. vol. 191; p. 791.
- Dyer, Joseph, and G. H. Leonard, assignors to Maine Screen and Ventilator Company, Fairfield, Me. Screen. No. 1,065,304; June 17; Gaz. vol. 191; p. 791.
- Dyer, Leonard H., Greenwich, Conn. Speed-indicator. No. 1,064,461; June 10; Gaz. vol. 191; p. 478.
- Dyer Revolving Door Company, The. (See Dyer, Harry W., assignor.)
- Dyer, Silas H., North Attleboro, assignor to G. L. Davison, Winthrop, Mass. Drop-press. No. 1,082,685; Dec. 30; Gaz. vol. 197; p. 1075.
- Dyer, Simpson B., Tulia, Tex. Harness-rack. No. 1,083,203; Dec. 30; Gaz. vol. 197; p. 1246.
- Dyke, Arend K., assignor to Potato Implement Co., Traverse City, Mich. Spraying-nozzle. No. 1,081,102; Dec. 9; Gaz. vol. 197; p. 437.
- Dyke, Darrell F., assignor to The Seng Company, Chicago, Ill. Sofa-bed, couch-bed, &c. No. 1,081,589; Dec. 16; Gaz. vol. 197; p. 639.
- Dyke, Darrell F., assignor to The Seng Company, Chicago, Ill. Sofa-bed, lounge-bed, &c. No. 1,081,590; Dec. 16; Gaz. vol. 197; p. 639.
- Dymack, Anton, Loup City, Nebr. Cream-separator. No. 1,055,892; Mar. 11; Gaz. vol. 188; p. 452.
- Dymenberg, Noa, Brush, Colo. Mouse-trap. No. 1,058,224; Apr. 8; Gaz. vol. 189; p. 329.
- Dyment, Albert E. (See Miller, George W., assignor.)
- Dyrenforth, Dorothy, now by marriage D. D. Auracher, Oak Park, Ill. Swimming-suit. No. 1,077,687; Nov. 4; Gaz. vol. 196; p. 154.
- Dysinger, George J., and J. C. Haskell, Galena, Oreg. Combined bottle-closure and stopper-extractor. No. 1,060,172; Apr. 29; Gaz. vol. 189; p. 1108.
- E. Clemens Horst Company. (See Horst, Emil C., assignor.)
- E. Clemens Horst Company. (See Miller, George E., assignor.)
- E. Goldman & Co. (See Paul, John T. H., assignor.)
- E. Ingraham Co., The. (See Stockton, Elmer E., assignor.)
- E. Kirstein Sons Company. (See Goodwin, Harry C., assignor.)

Alphabetical list of patentees—Continued.

- E. Kirstein Sons Company. (See Hoffman, William W., assignor.)
 E. Kirstein Sons Company *et al.* (See Van Tassel, John R., assignor.) (Reissue.)
 E. A. Mallory and Sons. (See Mallory, Harry B., assignor.)
 E. A. Mallory and Sons. (See Starr, John H., assignor.)
 E. A. McMillin Company. (See McMillin, Edward A., assignor.)
 E. B. Hayes Machine Company. (See Frantz, John R., assignor.)
 E. & B. Holmes Machinery Company. (See Beugler, Edwin F., assignor.)
 E. C. Atkins and Company. (See Olsen, Carl L., assignor.)
 E. C. Sales Co. (See Duffy, Thomas I., assignor.)
 E. C. Stearns & Co. *et al.* (See Schneeloch, August, assignor.)
 E. C. Stearns & Co. *et al.* (See Schneeloch and Smith, assignors.)
 E. E. Souther Iron Company. (See Hyke, Francis G., Sr., assignor.)
 E. H. Freeman Electric Company. (See Freeman, Edgar H., assignor.)
 E. H. Sargent & Co. (See Cary-Curr, Henry J., assignor.)
 E. I. du Pont de Nemours Powder Co. (See Aspinwall, John, assignor.)
 E. I. du Pont de Nemours Powder Company. (See Burkard, Emil, assignor.)
 E. I. du Pont de Nemours Powder Company. (See Hall, Hiram P., assignor.)
 E. I. du Pont de Nemours Powder Company. (See Issler, Gotthold, assignor.)
 E. I. du Pont de Nemours Powder Company. (See Masland, Walter E., assignor.)
 E. I. du Pont de Nemours Powder Company. (See Pierce, Harry M., assignor.)
 E. I. du Pont de Nemours Powder Company. (See Ritschke, Friedrich A., assignor.)
 E. I. du Pont de Nemours Powder Company. (See Sokolowski, Ernst, assignor.)
 E. I. du Pont de Nemours Powder Company. (See Wagener, Gustav, assignor.)
 E. I. du Pont de Nemours Powder Company. (See Weedon, William S., assignor.)
 E. I. Horsman Co. (See Goldenberg, Benjamin, assignor.)
 E. J. Brooks & Co. (See Brooks, Winfred M., assignor.)
 E. J. Manville Machine Company, The. (See Townsend, Harry P., assignor.)
 E. M. Hulse Company, The. (See Henderson and Schramm, assignors.)
 E. M. Hulse Company, The. (See Hulse and Curtis, assignors.)
 E. M. Hulse Company, The. (See Pease, William A., assignor.) (Reissue.)
 E. M. Hulse Company, The. (See Sharp, Alonzo G., assignor.)
 E. and T. Fairbanks & Company. (See Wright, Frank C., assignor.)
 E. W. Bliss Company. (See Dobson, John E., assignor.)
 E. W. Bliss Company. (See Kruse, Peter, assignor.)
 E. W. Bliss Company. (See Le Gendre, Henry E., assignor.)
 E. W. Bliss Company. (See Le Gendre and Leich, assignors.)
 E. W. Bliss Company. (See Leavitt, Frank M., assignor.)
 E. and W. Toggle Co. (See Fitzgerald, Edward J., assignor.)
 E-Z Walk Mfg. Co. (See Hirshfield, Morris, assignor.)
 Eacrett, Alfred L., assignor to Stevens, Turner & Company, Los Angeles, Cal. Hose-clamp. No. 1,070,950; Aug. 19; Gaz. vol. 193; p. 705.
 Eadie, James L., Jr., executor. (See Young, Walter H.)
 Eagan, Elwood G., Brockton, Mass. Feed-trough. No. 1,060,326; Apr. 29; Gaz. vol. 189; p. 1164.
 Eagar, George T., Ballston Spa, N. Y., assignor to General Electric Company. Motor-control system. No. 1,072,440; Sept. 9; Gaz. vol. 194; p. 291.
 Eagar, George T., New York, N. Y., assignor to General Electric Company. Detector for printing-presses or the like. No. 1,077,818; Nov. 4; Gaz. vol. 196; p. 198.
 Eagar, George T., Ballston Spa, and C. H. Williams, Schenectady, N. Y., assignors to General Electric Company. Motor starting and protective device. No. 1,060,895; May 6; Gaz. vol. 190; p. 115.
 Eager, Charles P., Reno, Nev. Parallel protractor. No. 1,051,712; Jan. 28; Gaz. vol. 186; p. 917.
 Eager, James H. L., Brooklyn, N. Y. Syringe. No. 1,074,780; Oct. 7; Gaz. vol. 195; p. 67.
 Eagle Claw Wrench Company. (See Schlehr, Joseph A., assignor.)
 Eagle, John R., Gilbert Plains, Manitoba, Canada. Brush-cutting machine. No. 1,068,576; July 29; Gaz. vol. 192; p. 1055.
 Eagle Lock Co. (See Murphy, James J., assignor.)
 Eagle Manufacturing Company, The. (See Goodrich, Ralph B., assignor.)
 Eagle Pencil Company. (See Boman, Claes W., assignor.)
 Eagle Pencil Company. (See Klose, Gustav K. H., assignor.)
 Eagle Pencil Company. (See McIntyre, Frank, assignor.)
 Eagleson, Daniel, East Granby, Conn. Tobacco-supporting lath. No. 1,077,513; Nov. 4; Gaz. vol. 196; p. 97.
 Eaid, Clayton T., Portland, Oreg. Log-bunk and stake for railway-cars. No. 1,050,929; Jan. 21; Gaz. vol. 186; p. 620.
 Eaid, Clayton T., Portland, Oreg. Logging-car bunk and stake. No. 1,055,150; Mar. 4; Gaz. vol. 188; p. 166.
 Eaid, Clayton T., Portland, Oreg. Safety-bunk for logging-cars. No. 1,071,609; Aug. 26; Gaz. vol. 193; p. 960.
 Eames, George M., and J. S. Finch, Bridgeport, Conn., assignors to The Singer Manufacturing Company. Feeding mechanism for hemstitch sewing-machines. No. 1,049,567; Jan. 7; Gaz. vol. 186; p. 86.
 Earl, Ernest P., *et al.* (See Earl, Malcolm W., assignor.)
 Earl, Malcolm W., assignor of one-fourth to P. J. Earl, one-fourth to S. E. Earl, and one-fourth to E. J. Earl, Watertown, N. Y. Machine for wrapping celery. No. 1,071,899; Sept. 2; Gaz. vol. 194; p. 80.
 Earl, Persis J., *et al.* (See Earl, Malcolm W., assignor.)
 Earl, Sheridan E., *et al.* (See Earl, Malcolm W., assignor.)
 Earl, William H. (See Oliphant, Clarence C., assignor.)
 Earl & Wilson. (See Bristol, George H., assignor.)
 Earle, Harry C., Boston, Mass., assignor to Walworth Manufacturing Company. Gate-valve. No. 1,067,011; July 8; Gaz. vol. 192; p. 413.
 Earle, Morris, *et al.* (See Holst, Lodewyk J. R., assignor.)
 Earle, Richard B., assignor to Hood Rubber Company, Boston, Mass. Preparing isoprene. No. 1,050,354; Jan. 14; Gaz. vol. 186; p. 386.
 Earle, Richard B., and L. P. Kyriakides, assignors to Hood Rubber Company, Boston, Mass. Producing isoprene. No. 1,070,120; Aug. 12; Gaz. vol. 193; p. 384.
 Earles, Benjamin F., *et al.* (See Baughn and Wright, assignors.)
 Earley, James J., Huntington, N. Y. Trunk attachment. No. 1,056,648; Mar. 18; Gaz. vol. 188; p. 745.
 Early, Earl J., Philadelphia, Pa. Drawing-board. No. 1,080,269; Dec. 2; Gaz. vol. 197; p. 123.
 Early, Noah, Lavina, Mont. Gate. No. 1,081,819; Dec. 16; Gaz. vol. 197; p. 717.
 Early, William J., assignor of one-half to B. Scheve, Jr., Catawissa, Mo. Grave-mound. No. 1,065,119; June 17; Gaz. vol. 191; p. 731.
 Earnest, James W., Crandall, Ga. Cotton-chopper. No. 1,059,288; Apr. 15; Gaz. vol. 189; p. 734.
 Earnshaw, George F., Chicago, Ill., assignor to Earnshaw Knitting Company. Infant's band. No. 1,077,264; Nov. 4; Gaz. vol. 196; p. 8.
 Earnshaw, George F., assignor to Earnshaw Knitting Company, Chicago, Ill. Diaper. No. 1,079,479; Nov. 25; Gaz. vol. 196; p. 864.
 Earnshaw Knitting Company. (See Earnshaw, George F., assignor.)
 Easley, Thomas L., San Antonio, Tex. Nut-removing device. No. 1,051,713; Jan. 28; Gaz. vol. 186; p. 918.
 Eason, James A., Calhoun City, Miss. Switch-throwing device. No. 1,065,227; June 17; Gaz. vol. 191; p. 765.
 East, Lee C., Omaha, Nebr. Shoe-heel attachment. No. 1,071,147; Aug. 26; Gaz. vol. 193; p. 805.
 Eastburn, Samuel L., Sloatsburg, N. Y. Closet-seat. No. 1,074,701; Oct. 7; Gaz. vol. 195; p. 40.
 Easterday, Philip S., Portland, Oreg. Coupling for reinforced-concrete conduit-sections. No. 1,061,665; May 13; Gaz. vol. 190; p. 415.
 Easterfield, Thomas H., Wellington, New Zealand. Production of ammonium sulfate. No. 1,072,840; Sept. 9; Gaz. vol. 194; p. 431.
 Easterfield, Thomas H., and C. M. Taylor, Wellington, New Zealand. Preparation of ketones. No. 1,058,225; Apr. 8; Gaz. vol. 189; p. 330.
 Eastern Sales Book Company. (See Carney, Edward, assignor.)
 Eastes, James B., Konawa, Okla. Cranking device. No. 1,071,990; Sept. 2; Gaz. vol. 194; p. 110.
 Eastham, Melville, assignor to Clapp-Eastham Company, Cambridge, Mass. Apparatus for producing tone effects in wireless telegraphy. No. 1,056,892; Mar. 25; Gaz. vol. 188; p. 858.
 Eastham, Melville, assignor to Clapp-Eastham Company, Cambridge, Mass. Producing tone effects in wireless telegraphy. No. 1,056,893; Mar. 25; Gaz. vol. 188; p. 858.
 Eastman, Clara F., *et al.* (See Thulin, John, assignor.)
 Eastman, Dan B., assignor to C. F. Merriman, Minneapolis, Minn. Cabinet-closet. No. 1,050,435; Jan. 14; Gaz. vol. 186; p. 415.
 Eastman Kodak Co. (See Linder, John, assignor.)
 Eastman Kodak Co. (See Niles, Henry E., assignor.)
 Eastman Kodak Co. (See Reeves, John A., assignor.)
 Eastman Kodak Co. (See Robertson and Riggs, assignors.)
 Eastman Kodak Company. (See Brownell, Frank A., assignor.)
 Eastman Kodak Company. (See Carkhuff, Norman W., assignor.)
 Eastman Kodak Company. (See Folmer, William F., assignor.)

Alphabetical list of patentees—Continued.

- Eastman Kodak Company. (See Marks, Paul J., assignor.)
- Eastman Kodak Company. (See Robertson, John A., assignor.)
- Eastman Kodak Company. (See Ruttan and Hutchings, assignors.)
- Eastman Kodak Company. (See Späth, Carl, assignor.)
- Eastman Machine Company. (See Clark, Frederick J., assignor.)
- Eastman, Sidney L., trustee. (See Powers, Edwin H., assignor.)
- Eastman, Walter W., assignor to F. R. Woodward, Hill, N. H. Lantern attachment. No. 1,081,028; Dec. 9; Gaz. vol. 197; p. 415.
- Eastman, William E., Boston, Mass. Vehicle axle-holder. No. 1,056,406; Mar. 18; Gaz. vol. 188; p. 659.
- Eastman, William E., Boston, Mass. Appurtenance to heaters of freight-cars. No. 1,063,246; June 3; Gaz. vol. 191; p. 27.
- Easton, William B., Chicago, Ill. Tube-mill. No. 1,058,953; Apr. 15; Gaz. vol. 189; p. 619.
- Eastwood, Arthur C., and J. H. Hall, assignors to The Electric Controller and Manufacturing Company, Cleveland, Ohio. Electric controller. No. 1,053,484; Feb. 18; Gaz. vol. 187; p. 638.
- Eaton, Charles T. (See Taylor and Eaton.)
- Eaton, Crane & Plke Co. (See Dansereau, Prime J., assignor.)
- Eaton, George M., Wilkesburg, Pa., assignor to Westinghouse Electric and Manufacturing Company. Electric locomotive. No. 1,067,325; July 15; Gaz. vol. 192; p. 558.
- Eaton, George M., Wilkesburg, Pa., assignor to Westinghouse Electric and Manufacturing Company. Electric locomotive. No. 1,080,051; Dec. 2; Gaz. vol. 197; p. 46.
- Eaton, John, Schenectady, N. Y., assignor to General Electric Company. Motor-control system. No. 1,079,480; Nov. 25; Gaz. vol. 196; p. 864.
- Eaton, Joseph H., Bordentown, N. J. Hat-pin protector. No. 1,065,670; June 24; Gaz. vol. 191; p. 955.
- Eaton, Leslie E., Sturgis, S. D. Handle for dental impression-trays, &c. No. 1,073,893; Sept. 23; Gaz. vol. 194; p. 859.
- Eaton, William G., Boston, Mass., assignor to United Shoe Machinery Company, Paterson, N. J. Cementing-machine. No. 1,080,959; Dec. 9; Gaz. vol. 197; p. 393.
- Ebbley, Norman, Wallace, Idaho. Tunneling-machine. No. 1,075,027; Oct. 7; Gaz. vol. 195; p. 151.
- Ebeling, Lydia, Jr., Barmen, Germany. Device for arresting the plaiting-bobbins of plaiting-machines. No. 1,075,819; Oct. 14; Gaz. vol. 195; p. 450.
- Eben, August. (See Butkus, Joseph and J. A., assignors.)
- Eben, William, and W. Caldwell, Chicago, Ill. Ink-fountain-roller lifter. No. 1,081,664; Dec. 16; Gaz. vol. 197; p. 663.
- Eberhard Faber Pencil Company. (See Faber, Eberhard, assignor.)
- Eberhard Faber Pencil Company. (See Roth, Henry J., assignor.)
- Eberhard Faber Pencil Company. (See Turner, Joseph N., assignor.)
- Eberhardt, Ferdinand, Indianapolis, Ind. Combined tent and ground floor cloth. No. 1,057,628; Apr. 1; Gaz. vol. 189; p. 79.
- Eberhart, Abraham, Mifflinburg, Pa. Rail-tie. No. 1,051,806; Jan. 28; Gaz. vol. 186; p. 947.
- Eberle, John C., Denver, Colo. Shade-roller adjuster. No. 1,078,725; Nov. 18; Gaz. vol. 196; p. 575.
- Eberle, William, Jersey City, N. J. Mechanical movement. No. 1,063,785; June 3; Gaz. vol. 191; p. 213.
- Eberlein, Henry, Mascoutah, Ill. Extension-shoe. No. 1,049,827; Jan. 7; Gaz. vol. 186; p. 173.
- Eberly, Harvey E., *et al.* (See Hinds, William A., assignor.)
- Ebermann, Ludwig T., assignor to Maschinenfabrik Augsburg-Nürnberg, Aktiengesellschaft, Augsburg, Germany. Apparatus for regulating the pressure at which air is blown into internal-combustion engines. No. 1,066,189; July 1; Gaz. vol. 192; p. 102.
- Ebersol, John R., Milverton, Ontario, Canada. Feeding mechanism for threshing-machines. No. 1,059,848; Apr. 22; Gaz. vol. 189; p. 956.
- Ebersole, Cyrus P., assignor to American Automotoneer Company, Philadelphia, Pa. Controller-regulator. No. 1,061,055; May 6; Gaz. vol. 190; p. 172.
- Ebersole, Cyrus P., assignor to American Automotoneer Company, Philadelphia, Pa. Controller-regulator. No. 1,065,927; July 1; Gaz. vol. 192; p. 7.
- Ebersole, James E., Palmyra, Pa. Fluid-pressure motor. No. 1,072,104; Sept. 2; Gaz. vol. 194; p. 148.
- Ebert, Anthony, Baltimore, Md. Strainer for closet-bowls. No. 1,063,247; June 3; Gaz. vol. 191; p. 27.
- Ebert, Gustav. (See Bockmühl and Ebert.)
- Ebert, Harry, Frederick, Md. Bag-closure. No. 1,071,991; Sept. 2; Gaz. vol. 194; p. 110.
- Ebert, Harry, Frederick, assignor to The American Foundry and Manufacturing Company, Frederick county, Md. Shutter bower and fastener. No. 1,052,227; Feb. 4; Gaz. vol. 187; p. 132.
- Ebert, Otto, Cleveland, Ohio. Chuck. No. 1,067,902; July 22; Gaz. vol. 192; p. 785.
- Eberwein, Johann, North Tonawanda, N. Y. Trolley. No. 1,067,510; July 15; Gaz. vol. 192; p. 620.
- Ebhardt, Wilhelm, Vienna, Austria-Hungary. Gum-pencil. No. 1,055,454; Mar. 11; Gaz. vol. 188; p. 306.
- Ebler, Erich, Heidelberg, Germany. Preparation, isolation, and enrichment of radium and other radio-active substances. No. 1,059,531; Apr. 22; Gaz. vol. 189; p. 854.
- Ebner, Carl, Stuttgart, Germany. Magneto-electric ignition apparatus for use with internal-combustion engines. No. 1,074,542; Sept. 30; Gaz. vol. 194; p. 1101.
- Eby, Harry F., Lebanon, Pa. Drinking-fountain. No. 1,059,849; Apr. 22; Gaz. vol. 189; p. 957.
- Eby, Noah, Hubbard, Nebr. Amusement device. No. 1,062,899; May 27; Gaz. vol. 190; p. 907.
- Eby, William L., Wellsville, Ohio. Rail-fastener. No. 1,062,957; May 27; Gaz. vol. 190; p. 927.
- Ecaubert, Frederic, New York, N. Y. Skimming device for cream-separators. No. 1,050,820; Jan. 21; Gaz. vol. 186; p. 579.
- Eccleston, Charles W., Los Angeles, Cal. Ore-concentrator. No. 1,053,367; Feb. 18; Gaz. vol. 187; p. 598.
- Eckart, Charles F., assignor of one-half to W. G. Hall, Honolulu, Hawaii. Evaporator. No. 1,053,017; Feb. 11; Gaz. vol. 187; p. 432.
- Eckberg, Arvid W., and C. Stohlberg, Jamestown, N. Y. Sheet-metal window. No. 1,074,702; Oct. 7; Gaz. vol. 195; p. 41.
- Eckbo, Nils B., Ogden, Utah. Seed-planter and rake. No. 1,053,018; Feb. 11; Gaz. vol. 187; p. 432.
- Eckers, Theodore, Kansas City, Mo. Cereal-cooker. No. 1,054,097; Feb. 25; Gaz. vol. 187; p. 882.
- Eckert, Leonard, Rancher, Mont. Hay-retainer for stackers. No. 1,077,819; Nov. 4; Gaz. vol. 196; p. 198.
- Eckert, Samuel B., Devon, Pa. Device for welding barrels. No. 1,076,106; Oct. 21; Gaz. vol. 195; p. 577.
- Eckert, William F., and W. C. Whitcomb, Rochelle, Ill. Mine-locomotive. No. 1,082,740; Dec. 30; Gaz. vol. 197; p. 1094.
- Eckhardt, Edward J., Brooklyn, N. Y., and R. C. vom Cleff, Hoboken, N. J. Clothes-line fastener. No. 1,067,412; July 15; Gaz. vol. 192; p. 587.
- Eckhardt, Richard H., Yorktown, Tex. Oil-burner. No. 1,063,786; June 3; Gaz. vol. 191; p. 213.
- Eckhart, Frank E., Auburn, Ind. Starting device for internal-combustion engines. No. 1,051,807; Jan. 28; Gaz. vol. 186; p. 947.
- Eckhoff, Drue, Richton, Miss. Extension-brace. No. 1,058,226; Apr. 8; Gaz. vol. 189; p. 330.
- Eckler, Harlan E., Elyria, Ohio. Cuticle-clipper. No. 1,081,896; Dec. 16; Gaz. vol. 197; p. 742.
- Eckre, Olof A., Kindred, N. D. Carbureter. No. 1,069,399; Aug. 5; Gaz. vol. 193; p. 109.
- Ecks, John, Milwaukee, Wis. Car-loader. No. 1,072,441; Sept. 9; Gaz. vol. 194; p. 291.
- Eckschlager, Emil, assignor to H. Saltzman and J. Goutman, Winnipeg, Manitoba, Canada. Composition of matter. No. 1,067,413; July 15; Gaz. vol. 192; p. 587.
- Eckstein, Arnold, Prague, Austria-Hungary, assignor of one-half to Seyboth & Company, Zwickau, Germany. Machine for grinding spectacle and other glasses. No. 1,051,869; Feb. 4; Gaz. vol. 187; p. 7.
- Eclipse Gas Stove Company. (See Green, Michael J., assignor.)
- Eclipse Metallic Specialty Company, The. (See Diffo, Harry, assignor.)
- Eclipse Wheel Company. (See Krespach and Hazeley, assignors.)
- Economy Car Heating Company, The. (See Coggin, Frank F., assignor.)
- Economy Car Heating Company. (See Deems, John F., assignor.)
- Economy Car Heating Company. (See Deems and Turner, assignors.)
- Economy Toggle Company. (See Stingel, Philip C., assignor.)
- Economy Welding Machine Company. (See McGee, Arthur C., assignor.)
- Ecseghy, Stefan K. v., assignor to Handelsgesellschaft Kleinberg & Co., Vienna, Austria-Hungary. Manufacturing unwelded chains. No. 1,070,121; Aug. 12; Gaz. vol. 193; p. 384.
- Ecton, William P., *et al.* (See Bailey and Warren, assignors.)
- Edahl, Knute, Chicago, Ill. Buffing mechanism for railway-cars. No. 1,069,933; Aug. 12; Gaz. vol. 193; p. 321.
- Edelbuettel-Reimers, Gustav R., Bellingham, Wash. Cable-clamp. No. 1,069,400; Aug. 5; Gaz. vol. 193; p. 109.
- Eddings, James T., assignor of one-half to G. T. Kight, Coolidge, Ga. Plow. No. 1,077,820; Nov. 4; Gaz. vol. 196; p. 198.
- Eddins, Edward R. (See Sparks and Eddins.)
- Eddins, John A., San Augustine, Tex. Ink-well. No. 1,068,992; July 29; Gaz. vol. 192; p. 1200.
- Eddleman, Victor S., Hollenberg, Kans. Stirrup. No. 1,052,327; Feb. 4; Gaz. vol. 187; p. 164.
- Eddleman's Never Fail Fish Hook and Animal Trap Company. (See Sweet, Welcome F., assignor.)

Alphabetical list of patentees—Continued.

- Eddy, George A., assignor to The Goss Printing Press Company, Chicago, Ill. Feeding-tape mechanism for printing-presses. No. 1,052,468; Feb. 11; Gaz. vol. 187; p. 247.
- Eddy, John, Riga, Mich. Aeroplane. No. 1,050,821; Jan. 21; Gaz. vol. 186; p. 580.
- Eddy, Lawrence R., Elizabeth, N. J. Sash-lock. No. 1,076,650; Oct. 21; Gaz. vol. 195; p. 769.
- Eddy, Ray L. (See Van Osdel, William J., assignor.)
- Eddystone Manufacturing Company, The. (See Anthony, Wendell P., assignor.)
- Eddystone Manufacturing Company, The. (See Macadam, John, assignor.)
- Edelin, Isabelle L., Washington, D. C. Back-rest for beds. No. 1,063,423; June 3; Gaz. vol. 191; p. 86.
- Edelin, James N., assignor to The Safety Hasp Manufacturing Co. Inc., Los Angeles, Cal. Hasp. No. 1,062,230; May 20; Gaz. vol. 190; p. 645.
- Eden Mfg. Co. (See Young, Charles B., assignor.)
- Eder, Charles H. (See Nettenstrom, David, assignor.)
- Eder, Charles H., Chicago, Ill. Bottle-stopper. No. 1,052,228; Feb. 4; Gaz. vol. 187; p. 132.
- Eder, Franz, Brooklyn, assignor to Q. & C. Company, New York, N. Y. Rail-joint. No. 1,051,870; Feb. 4; Gaz. vol. 187; p. 8.
- Edey, Charles E. C., Tacoma, Wash. Locking mechanism. No. 1,049,828; Jan. 7; Gaz. vol. 186; p. 174.
- Edgar Allen American Manganese Steel Company. (See McKee, Walter S., assignor.)
- Edgar Allen American Manganese Steel Company. (See McKee and Vilas, assignors.)
- Edgar Allen American Manganese Steel Company. (See Nichols, Wesley G., assignor.)
- Edgar, Ellis F., Woodbridge, N. J. Steam-engine. No. 1,069,607; Aug. 5; Gaz. vol. 193; p. 178.
- Edgar, Francis M., and T. E. McKee, Santa Paula, Cal. Casing-shoe. No. 1,053,567; Apr. 8; Gaz. vol. 189; p. 447.
- Edgar, Grant E. (See Spear and Edgar.)
- Edgar, James W., McLaughlin, S. D. Speed-changing device. No. 1,064,199; June 10; Gaz. vol. 191; p. 388.
- Edgar, Samuel N., Lander, Wyo. Fly-trap. No. 1,055,620; Mar. 11; Gaz. vol. 188; p. 360.
- Edgar, William K., Iola, assignor to The Metal Car Seal Company, Lawrence, Kans. Sealing device. No. 1,064,462; June 10; Gaz. vol. 191; p. 478.
- Edgar, William K., assignor to The Metal Car Seal Company, Lawrence, Kans. Sealing device. No. 1,064,463; June 10; Gaz. vol. 191; p. 478.
- Edge, Horace L., New York, N. Y. Grain-stooking machine. No. 1,080,270; Dec. 2; Gaz. vol. 197; p. 124.
- Edge, J. A. (See Hardy, Paul, assignor.)
- Edge, James, Gorton, England. Stripping-roller of carding-engines. No. 1,061,167; May 6; Gaz. vol. 190; p. 206.
- Edge Moor Iron Company. (See Bradford, Henry B., assignor.)
- Edge, Walter S., and E. Littlefield, New York, N. Y. Dam construction. No. 1,050,930; Jan. 21; Gaz. vol. 186; p. 621.
- Edgecomb, Henry R. (See Chubb and Edgecomb.)
- Edgecomb, Henry R., Edgewood Park, Pa., assignor to Westinghouse Electric and Manufacturing Company. Piston-packing. No. 1,075,468; Oct. 14; Gaz. vol. 195; p. 331.
- Edgecombe, Frederick T., Dumbarton, Scotland. Torsiometer. No. 1,065,305; June 17; Gaz. vol. 191; p. 792.
- Edgemont Machine Company, The. (See Stahl, George, assignor.)
- Edgington, George F., Jeffersonville, Ind. Lubricator. No. 1,064,717; June 17; Gaz. vol. 191; p. 600.
- Edick, George, Albuquerque, N. Mex. Rail-joint. No. 1,050,628; Jan. 14; Gaz. vol. 186; p. 481.
- Edison, Karl, assignor of one-half to J. B. Moschenross, New York, N. Y. Illuminating device. No. 1,071,900; Sept. 2; Gaz. vol. 194; p. 80.
- Edison Storage Battery Company. (See Edison, Thomas A., assignor.)
- Edison Storage Battery Company. (See Rogers, Owen A., assignor.)
- Edison, Thomas A. (See Aylsworth, Jonas W., assignor.)
- Edison, Thomas A. (See Aylsworth and Aiken, assignors.)
- Edison, Thomas A. (See Bliss, Donald M., assignor.)
- Edison, Thomas A. (See Dyer, Frank L., assignor.)
- Edison, Thomas A. (See Holland, Newman H., assignor.)
- Edison, Thomas A. (See Hudson and Elmes, assignors.)
- Edison, Thomas A., *et al.* (See Mertz, Oscar E., assignor.)
- Edison, Thomas A. (See Miller, Walter H., assignor.)
- Edison, Thomas A. (See Moore and Armstrong, assignors.)
- Edison, Thomas A. (See Saltzman, Auguste L., assignor.)
- Edison, Thomas A. (See Weber, Peter, assignor.)
- Edison, Thomas A., Llewellyn Park, West Orange, N. J. Separating copper from other metals. No. 1,050,629; Jan. 14; Gaz. vol. 186; p. 481.
- Edison, Thomas A., Llewellyn Park, West Orange, N. J. Separating copper from other metals. No. 1,050,630; Jan. 14; Gaz. vol. 186; p. 482.
- Edison, Thomas A., Llewellyn Park, Orange, N. J. Manufacture of Portland cement. No. 1,059,661; Apr. 22; Gaz. vol. 189; p. 896.
- Edison, Thomas A., Llewellyn Park, Orange, N. J. Cement-burning kiln. No. 1,065,597; June 24; Gaz. vol. 191; p. 930.
- Edison, Thomas A., West Orange, N. J. Dumping mechanism. No. 1,055,524; Mar. 11; Gaz. vol. 188; p. 328.
- Edison, Thomas A., Llewellyn Park, assignor to Thomas A. Edison, Incorporated, West Orange, N. J. Phonograph. No. 1,050,355; Jan. 14; Gaz. vol. 186; p. 386.
- Edison, Thomas A., Llewellyn Park, assignor to Thomas A. Edison, Incorporated, West Orange, N. J. Phonograph-reproducer. No. 1,052,656; Feb. 11; Gaz. vol. 187; p. 309.
- Edison, Thomas A., assignor to Thomas A. Edison, Incorporated, West Orange, N. J. Reproducer. No. 1,055,621; Mar. 11; Gaz. vol. 188; p. 360.
- Edison, Thomas A., Llewellyn Park, assignor to Thomas A. Edison, Incorporated, West Orange, N. J. Means for reproducing sound. No. 1,056,517; Mar. 18; Gaz. vol. 188; p. 701.
- Edison, Thomas A., Llewellyn Park, West Orange, assignor to Edison Storage Battery Company, West Orange, N. J. Apparatus for producing rubber strips. No. 1,050,436; Jan. 14; Gaz. vol. 186; p. 415.
- Edison, Thomas A., Llewellyn Park, assignor to Edison Storage Battery Company, West Orange, N. J. Storage battery. No. 1,073,107; Sept. 16; Gaz. vol. 194; p. 563.
- Edison, Thomas A., Llewellyn Park, Orange, assignor to New Jersey Patent Company, West Orange, N. J. Phonographic recording or reproducing apparatus. No. 1,078,264; Nov. 11; Gaz. vol. 196; p. 383.
- Edison, Thomas A., Llewellyn Park, Orange, assignor to New Jersey Patent Company, West Orange, N. J. Making phonograph-records. No. 1,078,265; Nov. 11; Gaz. vol. 196; p. 383.
- Edison, Thomas A., Llewellyn Park, assignor to New Jersey Patent Company, West Orange, N. J. Sound-box. No. 1,078,266; Nov. 11; Gaz. vol. 196; p. 383.
- Edison, William. (See Grout and Edison.)
- Edison, William L., Orange, N. J. Spark-plug. No. 1,081,728; Dec. 16; Gaz. vol. 197; p. 684.
- Edland, Joseph L., Bloomfield, assignor to H. J. Koehler, East Orange, N. J. Valve-controlling mechanism. No. 1,056,518; Mar. 18; Gaz. vol. 188; p. 701.
- Eder, Franz P., Chicago, Ill. Window-screen. No. 1,057,813; Apr. 1; Gaz. vol. 189; p. 144.
- Edman, John, assignor to H. L. Laird, Minneapolis, Minn. Stove and furnace lighter. No. 1,077,688; Nov. 4; Gaz. vol. 196; p. 154.
- Edman, John, assignor of one-half to C. M. Larson and one-half to C. H. Olson, Minneapolis, Minn. Curtain-stretcher. No. 1,060,829; May 6; Gaz. vol. 190; p. 91.
- Edman, John, assignor of one-sixth to C. Standiford and one-sixth to C. W. Tarbox, Minneapolis, Minn. Butter-dish. No. 1,060,973; May 6; Gaz. vol. 190; p. 143.
- Edmonds, Isaac R., Niagara Falls, N. Y., assignor to Electro Metallurgical Company, Chicago, Ill. Producing low-carbon ferro-alloys. No. 1,063,341; June 3; Gaz. vol. 191; p. 58.
- Edmonds, John W., Newton Center, assignor to L. S. Ross, Newtonville, Mass. Torch. No. 1,059,959; Apr. 22; Gaz. vol. 189; p. 993.
- Edmonds, Charles A., assignor of one-half to The Swinehart Tire and Rubber Company, Akron, Ohio. Tire-shoe-making machine. No. 1,080,683; Dec. 9; Gaz. vol. 197; p. 296.
- Edmonds, Samuel P., Catonsville, Md. Life-preserver and pillow. No. 1,061,275; May 13; Gaz. vol. 190; p. 279.
- Edmonds, Walter D. (See Ladoff, Isador, assignor.)
- Edmondson, John M. (See Keith, Lister, and Edmondson.)
- Edmunds, John E., Ottawa, Ill. Display-rack. No. 1,066,090; July 1; Gaz. vol. 192; p. 66.
- Edmunds & Jones Mfg. Co., The. (See Godley, Charles E., assignor.)
- Edmunds & Jones Mfg. Co., The. (See Jones, William T., assignor.)
- Edsall, William H., Wallingford, Conn. Curtain-rod bracket. No. 1,050,437; Jan. 14; Gaz. vol. 186; p. 415.
- Edson, Hubert, Ensenada, Porto Rico, assignor to Guanica Centrale, Jersey City, N. J. Extracting sucrose from sugar-cane. No. 1,068,748; July 29; Gaz. vol. 192; p. 1115.
- Edson, John W. (See Glaser and Edson.)
- Edtbauer, Petronella, Chicago, Ill. Automatic weighing apparatus. No. 1,074,611; Oct. 7; Gaz. vol. 195; p. 8.
- Edvenson, Thomas. (See White, John H., assignor.)
- Edward Miller & Company. (See Homan, William C., assignor.)
- Edward Miller & Company. (See Van Sickle, George B., assignor.)
- Edwards, Alfred N., London, England. Pneumatically-operated gas-valve. No. 1,067,414; July 15; Gaz. vol. 192; p. 588.
- Edwards, Alonzo L., assignor to Wheeling Stamping Company, Wheeling, W. Va. Tubular lantern. No. 1,076,356; Oct. 21; Gaz. vol. 195; p. 663.
- Edwards, Alonzo L., assignor to Wheeling Stamping Company, Wheeling, W. Va. Tubular lantern. No. 1,083,204; Dec. 30; Gaz. vol. 197; p. 1247.

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- Edwards, Charles, and U. H. Junkin, Drayton, N. D. Flexible draw-bar for traction-engines. No. 1,080,429; Dec. 2; Gaz. vol. 197; p. 181.
- Edwards, Charles E., Rockville Center, N. Y. Hose-clamp. No. 1,078,088; Nov. 11; Gaz. vol. 196; p. 322.
- Edwards, Charles S., Prineville, Oreg. Tire-tool. No. 1,059,128; Apr. 15; Gaz. vol. 189; p. 680.
- Edwards, Claude M., Galveston, Tex. Telegraph system. No. 1,062,824; May 27; Gaz. vol. 190; p. 882.
- Edwards, Claude M., Galveston, Tex. Telegraph apparatus. No. 1,068,749; July 29; Gaz. vol. 192; p. 1115.
- Edwards, Claude M., Galveston, Tex. Selective telegraph system. No. 1,068,869; July 29; Gaz. vol. 192; p. 1160.
- Edwards & Co. (See Lingen, Adam, assignor.)
- Edwards, Daniel W., assignor to Greenlee Bros. & Company, Rockford, Ill. Boring and screw-driving machine. No. 1,060,173; Apr. 29; Gaz. vol. 189; p. 1109.
- Edwards, David J., and E. Huston, Big Lake, Minn. Potato-separator. No. 1,059,129; Apr. 15; Gaz. vol. 189; p. 680.
- Edwards, Duncan L., New York, N. Y. Comb. No. 1,051,714; Jan. 28; Gaz. vol. 186; p. 918.
- Edwards, Duncan L., New York, N. Y. Case for combs. No. 1,051,715; Jan. 28; Gaz. vol. 186; p. 918.
- Edwards, Elmer O., assignor of one-half to A. Noren, St. Paul, Minn. Sanitary closet-seat. No. 1,076,107; Oct. 21; Gaz. vol. 195; p. 578.
- Edwards, Evan O., Chehalis, Wash. Locking clamp-bolt. No. 1,082,461; Dec. 23; Gaz. vol. 197; p. 962.
- Edwards, Fendall C., and C. J. Hunter, Newport News, Va. Side car for motor-cycles. No. 1,063,864; June 3; Gaz. vol. 191; p. 237.
- Edwards, Frank W., Logansport, Ind., assignor to The Chicago Lubricator Company, Chicago, Ill. Sight-feed attachment for lubricators. No. 1,071,148; Aug. 26; Gaz. vol. 193; p. 806.
- Edwards, George W. (See Brown, Edwards, and Manwell.)
- Edwards, Henry W., Mart, Tex. Cuspidor. No. 1,065,511; June 24; Gaz. vol. 191; p. 900.
- Edwards Instrument Company. (See Darling, Arthur R., assignor.)
- Edwards, Irving W., Brooklyn, N. Y. Changeable exhibitor. No. 1,054,098; Feb. 25; Gaz. vol. 187; p. 882.
- Edwards, Isaac L., Aurora, Ill. Nut and bolt lock. No. 1,080,752; Dec. 9; Gaz. vol. 197; p. 322.
- Edwards, J. M. (See Newton, Marvin G., assignor.)
- Edwards, John P., Kimmund, Ill. Device for sharpening lawn-mowers. No. 1,073,412; Sept. 16; Gaz. vol. 194; p. 671.
- Edwards, Joseph E., Sharon, Tenn. Collapsible shipping-crate. No. 1,080,753; Dec. 9; Gaz. vol. 197; p. 322.
- Edwards, Louis C., Ellington, Conn. Poultry-feeding device. No. 1,052,804; Feb. 11; Gaz. vol. 187; p. 360.
- Edwards, Oliver M. (See Chaffee, Edward F., assignor.)
- Edwards, Oliver M. (See Demore, George H., assignor.)
- Edwards, Oliver M. (See Mallery, Stanton E., assignor.)
- Edwards, Oliver M. (See Overly, Charles F., assignor.) (Reissue.)
- Edwards, Oliver M., Syracuse, N. Y. Trap-door for railway-cars and similar structures. No. 1,051,395; Jan. 28; Gaz. vol. 186; p. 810.
- Edwards, Oliver M., Syracuse, N. Y. Window-sash holder. No. 1,077,193; Oct. 28; Gaz. vol. 195; p. 1004.
- Edwards, Oliver M., Syracuse, N. Y. Window. No. 1,077,875; Nov. 4; Gaz. vol. 196; p. 217.
- Edwards, Oliver M., Syracuse, N. Y. Sash-holder. No. 1,078,036; Nov. 11; Gaz. vol. 196; p. 304.
- Edwards, Oliver M., Syracuse, N. Y. Railway-car-trap-door latch. No. 1,078,777; Nov. 18; Gaz. vol. 196; p. 594.
- Edwards, Oliver P. (See Thompson, Ralph P. and W. S., assignors.)
- Edwards, Samuel, Pittsburgh, Pa. Flux for coating metal articles. No. 1,063,248; June 3; Gaz. vol. 191; p. 27.
- Edwards, Stillman B., Villisca, assignor of one-half to S. H. Coleman, Montgomery county, Iowa. Automatic hog-greaser. No. 1,078,267; Nov. 11; Gaz. vol. 196; p. 383.
- Edwards, Thomas M., East Hampton, N. Y. Traction agricultural implement. No. 1,053,485; Feb. 18; Gaz. vol. 187; p. 639.
- Edwards, Victor E., assignor to Morgan Construction Company, Worcester, Mass. Apparatus for coiling, coating, and cooling wire rods. No. 1,075,702; Oct. 14; Gaz. vol. 195; p. 410.
- Edwards, William C., Jr., Kansas City, Mo. Reinforcement for concrete flat slabs. No. 1,057,531; Apr. 1; Gaz. vol. 189; p. 46.
- Edwards, William C., Jr., Kansas City, Mo. Ready-to-lay composition roofing. No. 1,083,243; Dec. 30; Gaz. vol. 197; p. 1261.
- Edwards, William C., Jr., Kansas City, Mo. Compound-acting dies. No. 1,083,244; Dec. 30; Gaz. vol. 197; p. 1262.
- Edwin Harrington, Son & Co. (See Scott, Robert F., assignor.)
- Eells, Albert F., Rochester, N. Y. Method and means of counteracting gravitation. No. 1,053,368; Feb. 18; Gaz. vol. 187; p. 598.
- Egan, Florenz M., New York, N. Y. Lighting-fixture. No. 1,078,339; Nov. 11; Gaz. vol. 196; p. 410.
- Egan, John E., Rochester, N. Y. Abrading-tool. No. 1,071,219; Aug. 26; Gaz. vol. 193; p. 831.
- Egan, Thomas, New York, N. Y. Combined cigarette-holder and igniter. No. 1,054,187; Feb. 25; Gaz. vol. 187; p. 914.
- Egelund, John W. J., Los Angeles, Cal. Corner-clamp for show-cases or the like. No. 1,067,511; July 15; Gaz. vol. 192; p. 620.
- Egerton, Henry C., Ridgewood, N. J., assignor to Western Electric Company, New York, N. Y. Electric cable. No. 1,073,596; Sept. 23; Gaz. vol. 194; p. 755.
- Egerton, Henry C., Passaic, N. J., assignor to Western Electric Company, New York, N. Y. Telephone-transmitter. No. 1,073,667; Sept. 23; Gaz. vol. 194; p. 781.
- Eggart, Karl, assignor to A. Saurer, Arbon, Switzerland. Apparatus for producing machine-embroidery. No. 1,051,492; Jan. 28; Gaz. vol. 186; p. 844.
- Eggart, Karl, assignor to Firm of A. Saurer, Arbon, Switzerland. Automatic embroidering-machine. No. 1,055,893; Mar. 11; Gaz. vol. 188; p. 452.
- Eggart, Karl, assignor to Firm of A. Saurer, Arbon, Switzerland. Automatic embroidering-machine. No. 1,069,640; Aug. 5; Gaz. vol. 193; p. 189.
- Eggart, Karl, assignor to Firm of A. Saurer, Arbon, Switzerland. Automatic embroidering-machine. No. 1,081,591; Dec. 16; Gaz. vol. 197; p. 640.
- Eggeman, Godfrey D., Glenwood Springs, Colo. Self-heating curling-iron. No. 1,064,822; June 17; Gaz. vol. 191; p. 633.
- Eggers, Anton C., New York, N. Y. Vaginal syringe. No. 1,070,787; Aug. 19; Gaz. vol. 193; p. 654.
- Eggers, Henry F., Chester, Ill. Grave-filler. No. 1,071,013; Aug. 19; Gaz. vol. 193; p. 726.
- Eggers, Lee G., assignor to Z. M. Eggers, Mount Lebanon, Pa. Automatic safety-brake for automobiles. No. 1,072,841; Sept. 9; Gaz. vol. 194; p. 431.
- Eggers, William, New York, N. Y. Mold for making rubber articles. No. 1,049,688; Jan. 7; Gaz. vol. 186; p. 127.
- Eggers, Zeffie M. (See Eggers, Lee G., assignor.)
- Eggler, August B., Dundee, Ill. Automatic time-switch. No. 1,058,664; Apr. 8; Gaz. vol. 189; p. 479.
- Eggler, Frederic B., Göppingen, Germany. Dental apparatus. No. 1,068,870; July 29; Gaz. vol. 192; p. 1160.
- Egler, Nicolas F., assignor to T. S. Blair, Jr., Chicago, Ill. Regenerative furnace. No. 1,079,642; Nov. 25; Gaz. vol. 196; p. 920.
- Egler, Nicolas F., assignor to The Blair Engineering Company, Chicago, Ill. Gas-producer. No. 1,083,067; Dec. 30; Gaz. vol. 197; p. 1206.
- Egler, Nicolas F., South Chicago, assignor to The Blair Engineering Company, Chicago, Ill. Gas-cleaning mechanism. No. 1,083,068; Dec. 30; Gaz. vol. 197; p. 1206.
- Egli, Arnold, assignor to Vogtländische Maschinen-Fabrik (vormals J. C. & H. Dietrich) Actiengesellschaft, Plauen, Germany. Machine for casting and preparing curved stereotype-plates. No. 1,063,668; June 3; Gaz. vol. 191; p. 174.
- Egly, Georg, Treptow, assignor to Gebrueder Siemens & Co., Lichtenberg, near Berlin, Germany. Production of refractory, electrically-conducting molded bodies. No. 1,075,634; Oct. 14; Gaz. vol. 195; p. 389.
- Egly, George C., Philadelphia, Pa. Knitting-machine needle. No. 1,077,600; Nov. 4; Gaz. vol. 196; p. 124.
- Edmond, Johan M. (See Werst, Collée, and Edmond.)
- Egnér, Carl E., Stockholm, Sweden. Soldering-body for joining electric conduits or the like. No. 1,067,415; July 15; Gaz. vol. 192; p. 588.
- Egnér, Carl E., Stockholm, and J. G. Holmström, Saltsjö-Storängen, Sweden. Cooling device for telephone-transmitters for strong current. No. 1,068,871; July 29; Gaz. vol. 192; p. 1160.
- Egnor, Theodore L., Jersey City, N. J., assignor of one-half to G. S. Williamson, New York, N. Y. Cutting-stick. No. 1,068,577; July 29; Gaz. vol. 192; p. 1055.
- Egry Register Company, The. (See Jensen, Hans L., assignor.)
- Egry Register Company, The. (See Nickol and Stern, assignors.)
- Egry Register Company, The. (See Schirmer and Stern, assignors.)
- Eguchi, Kiyomi, San Francisco, Cal. Hook. No. 1,065,791; June 24; Gaz. vol. 191; p. 995.
- Ehinger, Adolphe, New York, N. Y. Buoyancy-tank. No. 1,081,103; Dec. 9; Gaz. vol. 197; p. 438.
- Ehle, Rally and R., Council Bluffs, Iowa. Pneumatic tire. No. 1,069,239; Aug. 5; Gaz. vol. 193; p. 55.
- Ehle, Rex. (See Ehle, Rally and R.)
- Ehlert, William J., Huntley, Ill. Fertilizer-distributor. No. 1,065,034; June 17; Gaz. vol. 191; p. 702.
- Ehlich, Eugene, Philadelphia, Pa. Ship's davit. No. 1,070,022; Aug. 12; Gaz. vol. 193; p. 351.
- Ehmann, Edwin W., Oroville, Cal. Camp-stove. No. 1,054,188; Feb. 25; Gaz. vol. 187; p. 914.
- Ehret, Cornelius D., Ardmore, Pa. Wireless signaling system. No. 1,080,544; Dec. 9; Gaz. vol. 197; p. 251.
- Ehrhardt, Heinrich, Dusseldorf, Germany. Producing tubes. No. 1,059,354; Apr. 22; Gaz. vol. 189; p. 793.

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- Ehrlich, Jacob M. (See Cruice, Daniel, assignor.)
- Ehrlich, Jacob M. (See Knapp and Cruice, assignors.)
- Ehrlich, Leo, St. Louis, Mo., assignor to The Ohmer Fare Register Company, Dayton, Ohio. Fare-register. No. 1,066,264; July 1; Gaz. vol. 192; p. 129.
- Ehrlich, Meta, Gohlis, near Leipzig, Germany. Larding pin. No. 1,060,440; Apr. 29; Gaz. vol. 189; p. 1204.
- Ehrlich, Paul, and A. Berthelm, Frankfort-on-the-Main, assignors to Farbwerke vorm. Meister Lucius & Brüning, Höchst-on-the-Main, Germany. Alkali compound of dioxydiaminoarsenobenzene. No. 1,059,983; Apr. 29; Gaz. vol. 189; p. 1045.
- Ehrlich, Paul, and A. Berthelm, Frankfort-on-the-Main, assignors to Farbwerke vorm. Meister Lucius & Brüning, Höchst-on-the-Main, Germany. Derivatives of acidylaminoxyarsenobenzene and making same. No. 1,077,462; Nov. 4; Gaz. vol. 196; p. 78.
- Ehrlich, Paul, and A. Berthelm, Frankfort-on-the-Main, assignors to Farbwerke vorm. Meister Lucius & Brüning, Höchst-on-the-Main, Germany. Medicinal preparation. No. 1,081,592; Dec. 16; Gaz. vol. 197; p. 640.
- Ehrlich, Paul, and A. Berthelm, Frankfort-on-the-Main, assignors to Farbwerke vorm. Meister Lucius & Brüning, Höchst-on-the-Main, Germany. Medicinal preparation. No. 1,081,897; Dec. 16; Gaz. vol. 197; p. 742.
- Ehrlich, Paul, Frankfort-on-the-Main, and B. Reuter, assignors to Farbwerke vorm. Meister Lucius & Brüning, Höchst-on-the-Main, Germany. Preparation from alkali salts of the 3,3'-diamino-4,4'-dioxarsenobenzene and making same. No. 1,078,135; Nov. 11; Gaz. vol. 196; p. 338.
- Ehrner, Carl A. F., Stockholm, and P. G. H. Hallongren, Elfsjö, near Stockholm, Sweden. Lock. No. 1,050,631; Jan. 14; Gaz. vol. 186; p. 482.
- Ehrsam, William J., Enterprise, and L. N. Morscher, Lawrence, Kans., assignors to themselves as cotrustees. Throwing-wheel for graders. No. 1,072,442; Sept. 9; Gaz. vol. 194; p. 292.
- Elane, Halvor O., San Diego, Cal. Aeroplane. No. 1,062,772; May 27; Gaz. vol. 190; p. 864.
- Eiband, Ernst A., New Braunfels, Tex. Butter-container. No. 1,070,238; Aug. 12; Gaz. vol. 193; p. 425.
- Eichbaum, Hermine H., Stockton, Cal. Jewelry. No. 1,065,928; July 1; Gaz. vol. 192; p. 8.
- Eichberg, Friedrich. (See Winter and Eichberg.)
- Eichelkraut, Walter, Zehlendorf, near Berlin, Germany. Portable and collapsible stand for spirit-stoves. No. 1,050,113; Jan. 14; Gaz. vol. 186; p. 304.
- Eichert, Fritz, Berlin, assignor to Greif and Schlick, Coburg, Germany. Means for attaching dynamo-electric machines to velocipedes and the like. No. 1,073,747; Sept. 23; Gaz. vol. 194; p. 809.
- Eichhoff, Walter E., South Pasadena, Cal. Lawn-sprinkler. No. 1,068,872; July 29; Gaz. vol. 192; p. 1161.
- Eichhorn, Harry L., Chicago, Ill. Window-operating mechanism. No. 1,069,682; Aug. 12; Gaz. vol. 193; p. 233.
- Eichhorn, Harry L., Chicago, Ill. Window-operating mechanism. No. 1,077,907; Nov. 4; Gaz. vol. 196; p. 228.
- Eichler, Artur, Zossen, near Berlin, Germany, assignor to Mergenthaler Linotype Company. Typographical composing-machine. No. 1,065,348; June 24; Gaz. vol. 191; p. 844.
- Eichler, Carl P., Lakewood, Ohio. Sad-iron handle. No. 1,076,108; Oct. 21; Gaz. vol. 195; p. 578.
- Eichloff, Robert, Greifswald, Germany. Milking-pail. No. 1,051,871; Feb. 4; Gaz. vol. 187; p. 8.
- Eick, Wilhelm, Essen-on-the-Ruhr, Germany. Boot and shoe. No. 1,065,671; June 24; Gaz. vol. 191; p. 955.
- Eicken, Hermann von, Friedenau, near Berlin, Germany. Producer of inert gases. No. 1,066,391; July 1; Gaz. vol. 192; p. 170.
- Eicken, Hermann von, Friedenau, Germany. System of storing and conveying inflammable and other liquids. No. 1,074,934; Oct. 7; Gaz. vol. 195; p. 118.
- Eickenberg, Philip. (See Obermiller and Eickenberg.)
- Eickworth, Regnier, Witten, Germany. Crucible-furnace. No. 1,045,286; Feb. 25; Gaz. vol. 187; p. 946.
- Eidson, Charles G. (See Crouse and Eidson.)
- Eigen, Benno vom, Newark, N. J. Safety-razor. No. 1,059,662; Apr. 22; Gaz. vol. 189; p. 896.
- Eigen, Benno vom, Newark, N. J., assignor to Aug. Goertz & Co. Safety-catch for bag-frames. No. 1,052,805; Feb. 11; Gaz. vol. 187; p. 360.
- Eigen, Benno vom, Newark, N. J., assignor to Aug. Goertz & Co. Savings-bank. No. 1,057,130; Mar. 25; Gaz. vol. 188; p. 941.
- Eigen, Benno vom, Newark, N. J., assignor to Aug. Goertz & Co. Savings-bank. No. 1,057,131; Mar. 25; Gaz. vol. 188; p. 941.
- Elghmie, George D., New York, N. Y. Gas-engine. No. 1,076,877; Oct. 28; Gaz. vol. 195; p. 901.
- Eiker, Frisbey G., Washington, D. C. Garter. No. 1,074,498; Sept. 30; Gaz. vol. 194; p. 1088.
- Ellers, John M., assignor to J. N. Ramsey, Cincinnati, Ohio. Sweat collar-pad. No. 1,080,901; Dec. 9; Gaz. vol. 197; p. 373.
- Ells, Henry F., assignor to St. Louis University, St. Louis, Mo. Perpetual calendar. No. 1,064,136; June 10; Gaz. vol. 191; p. 366.
- Eimer, August, New York, N. Y. High-temperature gas-burner. No. 1,062,640; May 27; Gaz. vol. 190; p. 822.
- Eimer, August, New York, N. Y. Electrical heater. No. 1,070,673; Aug. 19; Gaz. vol. 193; p. 615.
- Einfeldt, Emil, assignor, by mesne assignments, to French & Hecht, Davenport, Iowa. Making butt-welds. No. 1,062,641; May 27; Gaz. vol. 190; p. 823.
- Einfeldt, Emil, assignor to French and Hecht, Davenport, Iowa. Spoke-heating furnace. No. 1,064,823; June 17; Gaz. vol. 191; p. 633.
- Einicher, Anton, assignor to Waffen und Maschinenfabriks Actiengesellschaft, Budapest, Austria-Hungary. Machine for drilling or the like irregular surfaces. No. 1,057,132; Mar. 25; Gaz. vol. 188; p. 942.
- Eirich, Gustav, Hardheim, Baden, Germany. Valve-closure. No. 1,051,872; Feb. 4; Gaz. vol. 187; p. 9.
- Eisaman, Joseph R., Latrobe, Pa. Trolley. No. 1,073,480; Sept. 16; Gaz. vol. 194; p. 695.
- Eischeid, Edward P. (See Eischeid, Joseph F., assignor.)
- Eischeid, Joseph F., Plattsmouth, Nebr., assignor of one-half to E. P. Eischeid, Council Bluffs, Iowa. Spring-clip for pneumatic hammers. No. 1,074,420; Sept. 30; Gaz. vol. 194; p. 1063.
- Eisele, Herman, assignor to W. Diehl, Cleveland, Ohio. Device for regulating pressure. No. 1,050,438; Jan. 14; Gaz. vol. 186; p. 416.
- Eisele, John E., Tampa, Fla. Window-jamb machine. No. 1,074,355; Sept. 30; Gaz. vol. 194; p. 1041.
- Eiseman, Jesse B., New York, N. Y. Darning-egg. No. 1,068,420; July 29; Gaz. vol. 192; p. 1002.
- Eiseman, Moses H., assignor of one-half to Worms & Loeb, Chicago, Ill. Bag. No. 1,051,716; Jan. 28; Gaz. vol. 186; p. 918.
- Eisenach, Henry, and W. F. Smith, Detroit, Mich. Gas-control valve for water-heaters. No. 1,078,089; Nov. 11; Gaz. vol. 196; p. 322.
- Eisenhart, Henry W., and M. W. Darden, assignors to A. B. Farquhar Company, Limited, York, Pa. Peanut picker and stemmer. No. 1,081,593; Dec. 16; Gaz. vol. 197; p. 640.
- Eisenkramer, Ludwig, assignor of one-third to M. Liebster, St. Louis, Mo. Metal form for monolithic concrete structures. No. 1,052,328; Feb. 4; Gaz. vol. 187; p. 164.
- Eisenman, John W., Rochester, Ind. Tie for railway-rails. No. 1,058,568; Apr. 8; Gaz. vol. 189; p. 447.
- Eisenmann, Carl W., Chicago, Ill. Adjustable-feed oil-ring. No. 1,065,865; June 24; Gaz. vol. 191; p. 1020.
- Eisenreich, Michael G., Dogden, N. D. Shocker. No. 1,058,162; Apr. 8; Gaz. vol. 189; p. 308.
- Eishen, John, Jr., Kellogg, Minn. Kettle-tilter. No. 1,058,569; Apr. 8; Gaz. vol. 189; p. 447.
- Eising, Theodor, Hoboken, N. J. Aeroplane. No. 1,081,029; Dec. 9; Gaz. vol. 197; p. 415.
- Eitner, Berthold, assignor to Deutsche Waffen- und Munitionsfabriken, Berlin, Germany. Making cages for antifriction-bearings. No. 1,068,116; July 22; Gaz. vol. 192; p. 857.
- Ek, Nels G., Minneapolis, Minn. Fanning-mill separator. No. 1,065,929; July 1; Gaz. vol. 192; p. 8.
- Ekberg, Arvid W., Jamestown, N. Y. Gravity-lock. No. 1,053,124; Feb. 11; Gaz. vol. 187; p. 471.
- Ekberg, Carl, New York, N. Y. Floor planer and scraper. No. 1,053,284; Feb. 18; Gaz. vol. 187; p. 569.
- Ekholm, Helmer A., assignor of one-half to B. F. Meinecke, Marmarth, N. D. Railway-tie. No. 1,058,163; Apr. 8; Gaz. vol. 189; p. 308.
- Eklund, Alexander, Attleboro, assignor to J. F. Sturdy's Sons Co., Attleboro Falls, Mass. Bracelet. No. 1,054,401; Feb. 25; Gaz. vol. 187; p. 988.
- Eklund, Stone E., Toledo, Ohio. Scale. No. 1,077,265; Nov. 4; Gaz. vol. 196; p. 8.
- Ekman, Per E., Woburn, Mass. Combination center-head, level, and bevel-protractor. No. 1,063,342; June 3; Gaz. vol. 191; p. 59.
- Ekre, Edwin K., Walcott, N. D. Sweeping-machine. No. 1,057,949; Apr. 1; Gaz. vol. 189; p. 188.
- Ekstedt, Ernest D., East St. Louis, Ill., assignor of one-third to C. S. Shallenberger and one-third to T. W. Remmers, St. Louis, Mo. Journal-bearing. No. 1,054,189; Feb. 25; Gaz. vol. 187; p. 915.
- Ekstrand, John. (See Jacobson, Anders J., assignor.)
- Ekstrom, Arvid W., Los Angeles, Cal. Manufacturing barium and strontium compounds. No. 1,067,595; July 15; Gaz. vol. 192; p. 648.
- Ekstrom, Axel, Ballston Spa, N. Y., assignor to C. S. Hawley, Boston, Mass. Railway-car. No. 1,071,304; Aug. 26; Gaz. vol. 193; p. 859.
- Ekström, Per G., Harnäs, assignor to Aktiebolaget Ethyl, Falun, Sweden. Manufacturing alcohol from sulfate liquor. No. 1,050,723; Jan. 14; Gaz. vol. 186; p. 510.
- Ekvall, Conrad, Elgin, Ill. Milk-pail holder. No. 1,067,168; July 8; Gaz. vol. 192; p. 466.
- Ekvall, Conrad, Elgin, Ill. Milk-strainer. No. 1,080,545; Dec. 9; Gaz. vol. 197; p. 251.
- Elbion, Samuel, Exeter, N. H. Safe for toilet articles. No. 1,051,834; Jan. 28; Gaz. vol. 186; p. 957.

Alphabetical list of patentees—Continued.

- Elder, Edward H., Chicopee, assignor to National Blank Book Company, Holyoke, Mass. Loose-leaf-retaining back for books. No. 1,068,993; July 29; Gaz. vol. 192; p. 1200.
- Elder, Frederick L., Dayton, Wash. Steering mechanism. No. 1,050,114; Jan. 14; Gaz. vol. 186; p. 304.
- Elder, Herbert, St. Louis, Mo. Key-ring holder. No. 1,059,130; Apr. 15; Gaz. vol. 189; p. 681.
- Elder, John D., Wattsboro, and P. Laffoon, Oral Oaks, Va. Combined churn and washer. No. 1,060,896; May 6; Gaz. vol. 190; p. 115.
- Elder, Ralph R., *et al.* (See Freeman, Richard J., assignor.)
- Elder, William S., assignor to J. Hirsh, Philadelphia, Pa. Undergarment. No. 1,050,931; Jan. 21; Gaz. vol. 186; p. 621.
- Elder, William S., assignor to J. Hirsh, Philadelphia, Pa. Union suit. No. 1,061,732; May 13; Gaz. vol. 190; p. 438.
- Elder, William S., assignor to J. Hirsh, Philadelphia, Pa. Undergarment. No. 1,083,069; Dec. 30; Gaz. vol. 197; p. 1206.
- Elderkin, Lester L. D., Boston, Mass. Machine for gaging and distributing articles of different thicknesses. No. 1,078,778; Nov. 18; Gaz. vol. 196; p. 594.
- Eldred, Byron E., Bronxville, N. Y. Producing clad metals. No. 1,078,906; Nov. 18; Gaz. vol. 196; p. 637.
- Eldred, Byron E., New York, N. Y. Compound metal. No. 1,083,070; Dec. 30; Gaz. vol. 197; p. 1207.
- Eldred, Byron E., Bronxville, assignor to Combustion Utilities Company, New York, N. Y. Burning natural and other gases. No. 1,073,108; Sept. 16; Gaz. vol. 194; p. 564.
- Eldridge, Charles C., *et al.* (See Johnston, Charles F., assignor.)
- Eldridge, Edward H., Corpus Christi, Tex. Hair-singer. No. 1,054,520; Feb. 25; Gaz. vol. 187; p. 1027.
- Eldridge, George W., Vineyard Haven, Mass. Navigation system. No. 1,063,915; June 3; Gaz. vol. 191; p. 255.
- Eldridge, Hilliary. (See Rockey and Eldridge.)
- Electrelle Company. (See Dorricott, Charles W., assignor.)
- Electric Bank Protection Company. (See Williams and Huhn, assignors.)
- Electric Boat Company. (See Davison, Gregory C., assignor.)
- Electric Boat Company. (See Spear and Edgar, assignors.)
- Electric Chain Company. (See Gammelgaard, Ove L., assignor.)
- Electric Compositor Company. (See Bellows, Benjamin F., assignor.)
- Electric Compositor Company. (See Le Boeuf, Arthur W., assignor.)
- Electric Compositor Company. (See Le Boeuf and Armitage, assignors.)
- Electric Compositor Company. (See Lynds, Fred H., assignor.)
- Electric Compositor Company. (See Petri-Palmedo, David, assignor.)
- Electric Controller and Manufacturing Company, The. (See Canfield, Harry R., assignor.)
- Electric Controller and Manufacturing Company, The. (See Dauler, Cyrus S., assignor.)
- Electric Controller and Manufacturing Company, The. (See Eastwood and Hall, assignors.)
- Electric Controller and Manufacturing Company, The. (See Frost, Homer E., assignor.)
- Electric Controller and Manufacturing Company, The. (See Hall, Jay H., assignor.)
- Electric Controller and Manufacturing Company, The. (See Stratton, Harry F., assignor.)
- Electric Heat Storage Company. (See Bell, George G., assignor.)
- Electric Heat Storage Company. (See Bell and Pletts, assignors.)
- Electric Heat Storage Company. (See Lawrence, James, assignor.)
- Electric Launch Company. (See Chase, Irwin, assignor.)
- Electric Meat Curing Company, The. (See Lincoln, John C., assignor.)
- Electric Meat Curing Company, The. (See Mauldin, James L., assignor.)
- Electric & Ordnance Accessories Company, The. (See Langley and Price, assignors.)
- Electric Ore Separator Company. (See Weatherby, Joseph, assignor.)
- Electric Products Co. (See Wotton, James A., assignor.)
- Electric Railway Improvement Company, The. (See Silliman, Benjamin F., assignor.)
- Electric Renovator Manufacturing Co. (See Thurman, Charles R., assignor.)
- Electric Signagraph & Semaphore Co. (See Webb, Jean F., Jr., assignor.)
- Electric Smelting and Aluminum Company, The. (See Cowles, Alfred H., assignor.)
- Electric Storage Battery Company, The. (See Heap, Benjamin, assignor.)
- Electric Storage Battery Company, The. (See Rodman, Hugh, assignor.)
- Electric Storage Battery Company, The. (See Steinmetz and Smith, assignors.)
- Electric Tachometer Company, The. (See Hopkins, Nevill M., assignor.)
- Electric Undercurrent Company. (See Barnhart, Anthony W., assignor.)
- Electric Wheel Co., (Associates.) (See Knudsen, Karsten, assignor.)
- Electrical Engineers Equipment Company. (See Sessions, Edson O., assignor.)
- Electro-Chemical & Development Co. (See Hartenstein, Herman L., assignor.)
- Electro-Chemical Engraving Co. (See Jacobus, Nelson L., assignor.)
- Electro-Chemical Rubber & Manufacturing Company. (See Daft, Leo, assignor.)
- Electro Dental Manufacturing Company. (See Schramm, Adolph W., assignor.)
- Electro Dental Manufacturing Company. (See Schramm and Wilford, assignors.)
- Electro-Magnetic Tool Company. (See Knowlson, James S., assignor.)
- Electro-Magnetic Tool Company. (See Rowe, George H., assignor.)
- Electro Metallurgical Company. (See Becket, Frederick, M., assignor.)
- Electro Metallurgical Company. (See Byrnes, Eugene A., assignor.)
- Electro Metallurgical Company. (See Edmands, Isaac R., assignor.)
- Electro Metallurgical Company. (See Morehead, John M., assignor.)
- Electro Metallurgical Company. (See Morehead and Huffard, assignors.)
- Electro Weld Company. (See Fontaine, John B., assignor.)
- Electrochemische Werke G. m. b. H. (See Siebert, Werner, assignor.)
- Electrolytic Art Metal Company. (See Borden, George L., assignor.)
- Electrolytic Products Co. (See Feldkamp, Frederick A., assignor.)
- Electron Chemical Company. (See Allen, Edward A. and H. I., assignors.)
- Elefant, Adolf, Los Angeles, Cal. Window-shutter. No. 1,071,220; Aug. 26; Gaz. vol. 193; p. 832.
- Elektrochemische Werke, G. m. b. H. (See Rothe, Fritz, assignor.)
- Elektrostahl G. m. b. H. (See Thallner, Otto, assignor.)
- Elers, Karl F., Pittsburgh, Pa., assignor to Westinghouse Electric and Manufacturing Company. Locomotive driving connection. No. 1,056,894; Mar. 25; Gaz. vol. 188; p. 858.
- Elevator Supply & Repair Company. (See Schenck, Charles, assignor.)
- Elfering, John H., Camden, N. J., assignor to The Victor Talking Machine Company. Talking-machine. No. 1,060,541; Apr. 29; Gaz. vol. 189; p. 1239.
- Elfrink, Lambertus, Modjokerto, Java. Filler for caoutchouc and manufacturing same. No. 1,062,958; May 27; Gaz. vol. 190; p. 927.
- Eli Lilly and Company, The. (See Davis, Alex B., assignor.)
- Eli Lilly & Company. (See Scott, Burton W., assignor.)
- Elia, Giovanni E., Paris, France. Submarine mine. No. 1,057,950; Apr. 1; Gaz. vol. 189; p. 188.
- Elia, Giovanni E., Paris, France, assignor to Vickers Limited, London, England. Automatic submarine mine. No. 1,059,850; Apr. 22; Gaz. vol. 189; p. 957.
- Elia, Giovanni E., Paris, France, assignor to Vickers Limited, London, England. Mooring device for submarine mines. No. 1,059,851; Apr. 22; Gaz. vol. 189; p. 957.
- Elia, Giovanni E., Paris, France, assignor to Vickers Limited, London, England. Safety device for operating submarine mines. No. 1,059,852; Apr. 22; Gaz. vol. 189; p. 957.
- Elia, Giovanni E., Paris, France, assignor to Vickers Limited, Westminster, England. Submarine mine. No. 1,068,873; July 29; Gaz. vol. 192; p. 1161.
- Elia, Giovanni E., Paris, France, assignor to Vickers Limited, Westminster, England. Automatic anchoring device for submarine mines. No. 1,072,928; Sept. 9; Gaz. vol. 194; p. 464.
- Elias, William M., New York, N. Y. Washing device. No. 1,051,493; Jan. 28; Gaz. vol. 186; p. 844.
- Elieson, Chaimsonovitz P., London, England. Clock, tell-tale, alarm, and the like. No. 1,057,951; Apr. 1; Gaz. vol. 189; p. 189.
- Elieson, Chaimsonovitz P., London, England. Clock. No. 1,057,952; Apr. 1; Gaz. vol. 189; p. 189.
- Eliscu, Frederick. (See Solomon, Harry, assignor.)
- Elizondo, Francisco, Matanzas, Cuba. Boiler. No. 1,058,665; Apr. 8; Gaz. vol. 189; p. 479.
- Elkhart Musical Instrument Company. (See Middleton, Robert, assignor.)
- Elkin, John B., assignor of one-half to J. H. Berry, Columbia, S. C. Automatic fuse-resetter. No. 1,082,417; Dec. 23; Gaz. vol. 197; p. 949.
- Elkin, Warren, Winchester, Ky. Carbureter. No. 1,075,635; Oct. 14; Gaz. vol. 195; p. 389.

Alphabetical list of patentees—Continued.

- Elkins, Arthur F., Ironton, Ohio. Cake-turner. No. 1,066,091; July 1; Gaz. vol. 192; p. 66.
- Elkins Glass Company. (See Elkins, Stephen F., assignor.)
- Elkins, Stephen B., Jr., New York, N. Y. Metallic railway-tie. No. 1,079,936; Dec. 2; Gaz. vol. 197; p. 5.
- Elkins, Stephen F., assignor to Elkins Glass Company, Pittsburgh, Pa. Shade for inverted incandescent gas-lamps. No. 1,065,598; June 24; Gaz. vol. 191; p. 930.
- Ell, Bernhard S. F., Engelholm, Sweden. Braiding-machine. No. 1,075,342; Oct. 14; Gaz. vol. 195; p. 286.
- Ell, William H., and J. Miller, Peckham, London, England. Contrivance for intermittently displaying sheets. No. 1,059,663; Apr. 22; Gaz. vol. 189; p. 897.
- Ellasser, Fred C. (See Mallory, Bonnie L., assignor.)
- Ellegaard, Niels P. B., Petaluma, Cal. Thermostatic damper-regulator for incubators and the like. No. 1,082,115; Dec. 23; Gaz. vol. 197; p. 845.
- Ellegaard, Niels P. B., Petaluma, Cal. Fireless brooder. No. 1,082,116; Dec. 23; Gaz. vol. 197; p. 845.
- Ellenberger, Henry J., Sault Ste. Marie, Ontario, Canada. Steel-tie clamp. No. 1,063,343; June 3; Gaz. vol. 191; p. 59.
- Ellendt, John G., Rochester, N. Y. Molding-machine. No. 1,058,227; Apr. 8; Gaz. vol. 189; p. 330.
- Ellendt, John G., Rochester, N. Y. Molding-machine. No. 1,064,718; June 17; Gaz. vol. 191; p. 600.
- Eller, Eli H., Granville, Tenn. Metal clipper or shears. No. 1,062,773; May 27; Gaz. vol. 190; p. 865.
- Eller, Friedrich, Frankfort-on-the-Main, assignor to Allgemeine Elektrizitäts-Gesellschaft, Berlin, Germany. Ticket-printing apparatus. No. 1,077,194; Oct. 28; Gaz. vol. 195; p. 1005.
- Eller, Harley M., Wollaston, assignor to Norfolk Manufacturing Company, Boston, Mass. Removing carbon deposited in internal-combustion engines. No. 1,081,950; Dec. 23; Gaz. vol. 197; p. 788.
- Eller, Wayne M., *et al.* (See Torney, John H., assignor.)
- Ellermann, Jan. (See Van Calcar, Ellermann, and Martijn.)
- Ellery, Arthur B., Akron, Ohio. Tripping mechanism for printing-presses. No. 1,076,965; Oct. 28; Gaz. vol. 195; p. 932.
- Ellery, Nathaniel B., San Francisco, Cal. Flexible mattress. No. 1,066,092; July 1; Gaz. vol. 192; p. 67.
- Ellery, Robert L., Portsmouth, N. H. Adjustable reamer. No. 1,077,463; Nov. 4; Gaz. vol. 196; p. 79.
- Ellery, William. (See Bolton, Florence, assignor.)
- Ellett, Frederick S., Elmira, N. Y. Clutch. (Reissue.) No. 13,554; Apr. 15; Gaz. vol. 189; p. 751.
- Ellett, Frederick S., Elmira, N. Y. Clutch. No. 1,071,992; Sept. 2; Gaz. vol. 194; p. 111.
- Ellinger, Julian O., New York, N. Y. Reinforcement for concrete construction. No. 1,053,585; Feb. 18; Gaz. vol. 187; p. 673.
- Ellinger, Julian O., assignor of one-half to Universal Electric Welding Company, New York, N. Y. Electric welding. No. 1,055,261; Mar. 4; Gaz. vol. 188; p. 202.
- Ellinger, William. (See Parker and Ellinger.)
- Ellingwood, Walter L., New York, N. Y. Cream-remover. No. 1,079,848; Nov. 25; Gaz. vol. 196; p. 993.
- Ellingsworth, Joseph H., Watertown, Ill. Adjustable splint. No. 1,066,190; July 1; Gaz. vol. 192; p. 102.
- Elliot, Frank F. (See Knowlton and Elliot.)
- Elliot, Albert E., Cincinnati, Ohio. Type-writer keyboard-cover. No. 1,065,599; June 24; Gaz. vol. 191; p. 930.
- Elliott, Bruce S., assignor to Alsop Process Company, St. Louis, Mo. Cotton extracting and cleaning machine. No. 1,081,594; Dec. 16; Gaz. vol. 197; p. 641.
- Elliott, David, Johnstown, Pa. Jewelry-catch. No. 1,070,431; Aug. 19; Gaz. vol. 193; p. 533.
- Elliott-Fisher Company. (See Anderson, George S., assignor.)
- Elliott-Fisher Company. (See Bray, Reginald J., assignor.)
- Elliott-Fisher Company. (See Dench, William L., assignor.)
- Elliott-Fisher Company. (See Laganke and Smith, assignors.)
- Elliott-Fisher Company. (See Smith, John A., assignor.)
- Elliott-Fisher Company. (See Watt, George F., assignor.)
- Elliott-Fisher Company. (See Ziegler, Joram A., assignor.)
- Elliott, George. (See White and Elliott.)
- Elliott, Harlie R., Columbus, Ohio, assignor, by mesne assignments, to Auto Speed Signal Company, Los Angeles, Cal. Auxiliary visual indicator. No. 1,065,672; June 24; Gaz. vol. 191; p. 955.
- Elliott, Harmon P., Newton, Mass. Stencil-holder. No. 1,064,303; June 10; Gaz. vol. 191; p. 422.
- Elliott, Harmon P., Newton, Mass. Address-plate. No. 1,068,578; July 29; Gaz. vol. 192; p. 1056.
- Elliott, Howard, Washington, D. C., assignor to Underwood Typewriter Company, New York, N. Y. Attachment for type-writers. No. 1,052,046; Feb. 4; Gaz. vol. 187; p. 70.
- Elliott, Jacob J., Denver, Colo. Button-holder. No. 1,057,532; Apr. 1; Gaz. vol. 189; p. 46.
- Elliott, James A., Monte Vista, Colo. Roof-climber. No. 1,070,951; Aug. 19; Gaz. vol. 193; p. 705.
- Elliott, James A., Sycamore, Ill. Brooder. No. 1,072,217; Sept. 2; Gaz. vol. 194; p. 186.
- Elliott, Mathew H., Ramsey, Ala. Wire-fence clamp. No. 1,051,204; Jan. 21; Gaz. vol. 186; p. 713.
- Elliott, Nicholas V. (See Pooler, Bainer, and Elliott.)
- Elliott, Percy M. (See Hopkins and Elliott.)
- Elliott, Percy M., Chicago, Ill. Razor-strop. No. 1,072,590; Sept. 9; Gaz. vol. 194; p. 343.
- Elliott, Percy M., Chicago, Ill. Draw-bar support for railway-cars. No. 1,080,509; Dec. 2; Gaz. vol. 197; p. 206.
- Elliott, Percy M., assignor to Camel Company, Chicago, Ill. Car-door. No. 1,071,514; Aug. 26; Gaz. vol. 193; p. 928.
- Elliott, Robert M., Cadillac, Mich. Skirt gage and marker. No. 1,068,046; July 22; Gaz. vol. 192; p. 835.)
- Elliott, Roy D., Oxnard, Cal. Process of preserving food and apparatus therefor. No. 1,061,460; May 13; Gaz. vol. 190; p. 343.
- Elliott, Sterling, Newton, Mass. Drinking-cup. No. 1,073,481; Sept. 16; Gaz. vol. 194; p. 695.
- Elliott, Thomas, assignor of one-third to S. D. Crockett and one-third to H. J. Armstrong, Seattle, Wash. Valve mechanism for pump suction-pipes. No. 1,067,903; July 22; Gaz. vol. 192; p. 786.
- Elliott, Thomas, assignor of two-ninths to S. D. Crockett, two-ninths to H. J. Armstrong, and two-ninths to S. E. Grayson, Seattle, Wash. Feed-water regulator. No. 1,067,904; July 22; Gaz. vol. 192; p. 786.
- Elliott, Wilbur S., Prescott, Ariz. Ellipsograph. No. 1,055,303; Mar. 4; Gaz. vol. 188; p. 216.
- Elliott, William, H. M. Loeber, and R. H. Schlachter, assignors to Dempster Mill Manufacturing Company, Beatrice, Nebr. Double-disk grain-drill. No. 1,077,338; Nov. 4; Gaz. vol. 196; p. 34.
- Elliott, William C., White Oak, Okla. Table. No. 1,052,329; Feb. 4; Gaz. vol. 187; p. 164.
- Elliott, William E., Grand Rapids, Mich. Hand-tool for button-setting. No. 1,059,355; Apr. 22; Gaz. vol. 189; p. 793.
- Elliott, William H., Albany, N. Y., assignor to The Hall Signal Company. Lightning-arrester. No. 1,066,476; July 8; Gaz. vol. 192; p. 228.
- Elliott, William S., Pittsburgh, Pa. Motor. No. 1,052,905; Feb. 11; Gaz. vol. 187; p. 395.
- Elliott, William S., Pittsburgh, Pa. Feed-water heater. No. 1,056,895; Mar. 25; Gaz. vol. 188; p. 859.
- Elliott, William S., Pittsburgh, Pa. Filter. No. 1,058,737; Apr. 15; Gaz. vol. 189; p. 542.
- Elliott, William S., Pittsburgh, Pa. Motor. No. 1,060,068; Apr. 29; Gaz. vol. 189; p. 1073.
- Elliott, William S., Pittsburgh, Pa. Motor. No. 1,068,421; July 29; Gaz. vol. 192; p. 1002.
- Elliott, William S., Pittsburgh, Pa. Strainer system. No. 1,070,788; Aug. 19; Gaz. vol. 193; p. 655.
- Elliott, William S., Pittsburgh, Pa. Heater. No. 1,073,109; Sept. 16; Gaz. vol. 194; p. 564.
- Elliott, William S., Pittsburgh, Pa. Combined pipe-fitting and steam-separator. No. 1,080,333; Dec. 2; Gaz. vol. 197; p. 145.
- Ellis, Alfred J., Woodcliff-on-Hudson, N. J., assignor to A. J. Ellis, Inc. Hollow metal door-frame and the like. No. 1,063,517; June 3; Gaz. vol. 191; p. 117.
- Ellis, Alfred J., Woodcliff-on-Hudson, N. J., assignor to A. J. Ellis, Inc. Hollow sheet-metal structure. No. 1,079,117; Nov. 18; Gaz. vol. 196; p. 711.
- Ellis, Carleton, Montclair, N. J. Making edible oils, &c. No. 1,052,469; Feb. 11; Gaz. vol. 187; p. 247.
- Ellis, Carleton, Montclair, N. J. Hydrogenated edible fat product. No. 1,058,738; Apr. 15; Gaz. vol. 189; p. 543.
- Ellis, Carleton, Montclair, N. J. Making hardened fat and the like. No. 1,059,720; Apr. 22; Gaz. vol. 189; p. 915.
- Ellis, Carleton, Montclair, N. J. Catalyzer for hydrogenating oils and the like. No. 1,060,673; May 6; Gaz. vol. 190; p. 37.
- Ellis, Carleton, Montclair, N. J. Hydrogenated fatty food product. No. 1,067,978; July 22; Gaz. vol. 192; p. 811.
- Ellis, Carleton, Montclair, N. J. Road-bed and construction thereof. No. 1,068,048; July 22; Gaz. vol. 192; p. 835.
- Ellis, Carleton, Montclair, N. J. Composite hydrogenated fat compound, &c. No. 1,070,331; Aug. 12; Gaz. vol. 193; p. 457.
- Ellis, Carleton, Montclair, N. J. Apparatus for treating oils with gases. No. 1,071,221; Aug. 26; Gaz. vol. 193; p. 832.
- Ellis, Carleton, Montclair, N. J. Hydrogenating oil mixtures and the like. No. 1,078,136; Nov. 11; Gaz. vol. 196; p. 338.
- Ellis, Carleton, Montclair, N. J. Making catalytic material. No. 1,078,541; Nov. 11; Gaz. vol. 196; p. 478.
- Ellis, Carleton, Larchmont, assignor to Chadeloid Chemical Company, New York, N. Y. Finish-remover. No. 1,049,466; Jan. 7; Gaz. vol. 186; p. 50.
- Ellis, Carleton, Larchmont, assignor to Chadeloid Chemical Company, New York, N. Y. Paint or varnish remover. No. 1,049,467; Jan. 7; Gaz. vol. 186; p. 50.
- Ellis, Carleton, Larchmont, assignor to Chadeloid Chemical Company, New York, N. Y. Finish-remover. No. 1,051,318; Jan. 21; Gaz. vol. 186; p. 751.

Alphabetical list of patentees—Continued.

- Ellis, Carleton, Larchmont, assignor to Chadeloid Chemical Company, New York, N. Y. Finish-remover. No. 1,066,720; July 8; Gaz. vol. 192; p. 316.
- Ellis, Carleton, Larchmont, assignor to Chadeloid Chemical Company, New York, N. Y. Paint or varnish remover. No. 1,069,056; July 29; Gaz. vol. 192; p. 1222.
- Ellis, Carleton, Larchmont, assignor to Chadeloid Chemical Company, New York, N. Y. Finish-remover. No. 1,069,057; July 29; Gaz. vol. 192; p. 1222.
- Ellis, Carleton, Larchmont, assignor, by mesne assignments, to Chadeloid Chemical Company, New York, N. Y. Insecticide. No. 1,082,507; Dec. 30; Gaz. vol. 197; p. 1012.
- Ellis, Carleton, Larchmont, assignor, by mesne assignments, to Chadeloid Chemical Company, New York, N. Y. Detaching wall-paper. No. 1,083,007; Dec. 30; Gaz. vol. 197; p. 1187.
- Ellis, Carleton, Larchmont, N. Y., assignor, by mesne assignments, to Copper Oil Products Company. Preserving wood and products thereof. No. 1,054,756; Mar. 4; Gaz. vol. 188; p. 35.
- Ellis, Carleton, Montclair, N. J., assignor to Chadeloid Chemical Company, New York, N. Y. Finish-remover. No. 1,051,317; Jan. 21; Gaz. vol. 186; p. 751.
- Ellis, Carleton, Montclair, N. J., assignor to Ellis-Foster Company. Concentrating sulfate waste liquor. No. 1,057,416; Apr. 1; Gaz. vol. 189; p. 9.
- Ellis, Carleton, Montclair, N. J., assignor to Ellis Foster Company. Fruit product and making same. No. 1,068,047; July 22; Gaz. vol. 192; p. 835.
- Ellis, Carleton, assignor to N. L. Foster, Montclair, N. J. Seasoning material and making same. No. 1,056,649; Mar. 18; Gaz. vol. 188; p. 745.
- Ellis, Carleton, Montclair, N. J., assignor to New Jersey Testing Laboratories. Water-resistant cement and making same. No. 1,076,028; Oct. 21; Gaz. vol. 195; p. 550.
- Ellis, Carleton, Montclair, N. J., assignor to New Jersey Testing Laboratories. Concrete waterproofing composition. No. 1,077,689; Nov. 4; Gaz. vol. 196; p. 154.
- Ellis, Carleton, White Plains, assignor to Chadeloid Chemical Company, New York, N. Y. Paint or varnish remover. No. 1,051,319; Jan. 21; Gaz. vol. 186; p. 752.
- Ellis, Charles P., Nashville, Tenn. Attachment for gas-stoves. No. 1,068,229; July 22; Gaz. vol. 192; p. 897.
- Ellis, Charles P., Nashville, Tenn. Safety attachment for gas-stoves. No. 1,068,230; July 22; Gaz. vol. 192; p. 897.
- Ellis, Charles S., Chicago, Ill. Band printing-stamp. No. 1,069,868; Aug. 12; Gaz. vol. 193; p. 299.
- Ellis, Ferrand F., assignor to Oneida Community, Limited, Oneida, N. Y. Steel animal-trap. No. 1,056,157; Mar. 18; Gaz. vol. 188; p. 577.
- Ellis, Ferrand F., assignor to Oneida Community, Limited, Oneida, N. Y. Animal-trap. No. 1,058,355; Apr. 8; Gaz. vol. 189; p. 375.
- Ellis, Flem S., Hannibal, Mo. Vehicle-wheel. No. 1,078,907; Nov. 18; Gaz. vol. 196; p. 637.
- Ellis Foster Company. (See Ellis, Carleton, assignor.)
- Ellis, Frank H., Somerville, Mass., assignor to Barbour-Stockwell Company. Spring-switch. No. 1,061,530; May 13; Gaz. vol. 190; p. 368.
- Ellis, Halcolm, East Orange, N. J. Operating-keys for adding and listing machines. No. 1,065,673; June 24; Gaz. vol. 191; p. 956.
- Ellis, Halcolm, East Orange, N. J. Total-signal device. No. 1,065,792; June 24; Gaz. vol. 191; p. 995.
- Ellis, Jacob D., Castle Rock, Colo. Weed-extractor. No. 1,061,361; May 13; Gaz. vol. 190; p. 308.
- Ellis, James W., Denver, Colo., assignor to The Ellis National Electric Sign Company. Interchangeable-letter electric sign. No. 1,066,591; July 8; Gaz. vol. 192; p. 270.
- Ellis, John, Pittsburgh, Pa. Water-valve for instantaneous water-heaters. No. 1,049,829; Jan. 7; Gaz. vol. 186; p. 171.
- Ellis, John, Pittsburgh, Pa. Gas-controlling mechanism for instantaneous water-heaters. No. 1,053,369; Feb. 18; Gaz. vol. 187; p. 598.
- Ellis, John, Pittsburgh, Pa. Water-heater. No. 1,053,370; Feb. 18; Gaz. vol. 187; p. 599.
- Ellis, Nathan, Syracuse, N. Y. Sanitary shaving-brush. No. 1,056,650; Mar. 18; Gaz. vol. 188; p. 745.
- Ellis, Nathan, Syracuse, N. Y. Sanitary shaving-brush. No. 1,063,020; May 27; Gaz. vol. 190; p. 946.
- Ellis National Electric Sign Company, The. (See Ellis, James W., assignor.)
- Ellis, Ophelia S., Brooklyn, N. Y. Letter-packaging device. No. 1,052,906; Feb. 11; Gaz. vol. 187; p. 396.
- Ellis, Preston A., Celina, Ohio. Vehicle-body. No. 1,053,795; Feb. 18; Gaz. vol. 187; p. 745.
- Ellis, Stuart, Washington, D. C. Water-heater. No. 1,076,274; Oct. 21; Gaz. vol. 195; p. 633.
- Ellis, Theresa M., London, England. Brush. No. 1,061,276; May 13; Gaz. vol. 190; p. 280.
- Ellis, Thomas H., assignor to National Specialty and Development Company, St. Louis, Mo. Cotton-chopper. No. 1,069,324; Aug. 5; Gaz. vol. 193; p. 82.
- Ellis, Wilbur W., Washington Court House, Ohio. Sliding vehicle-door. No. 1,055,969; Mar. 11; Gaz. vol. 188; p. 477.
- Ellis, Willard H., Coeur d'Alene, Idaho. Berry-box former. No. 1,054,521; Feb. 25; Gaz. vol. 187; p. 1028.
- Ellison, Horace, Lynn, Mass. Whistle. No. 1,056,782; Mar. 25; Gaz. vol. 188; p. 821.
- Ellison, James A., Wilmington, Del. Dirigible headlight for vehicles. No. 1,057,228; Mar. 25; Gaz. vol. 188; p. 974.
- Ellison, John R. (See Emory, Eugene L., assignor.)
- Ellison, Lois C., Washington, D. C. Necktie, scarf, and girdle. No. 1,066,093; July 1; Gaz. vol. 192; p. 67.
- Ellison, Thomas J., Terrill, Ky. Animal-trap. No. 1,066,004; July 1; Gaz. vol. 192; p. 35.
- Ellison, Walter P., Lyons, Kans. Colt-weaner. No. 1,072,591; Sept. 9; Gaz. vol. 194; p. 344.
- Ellison, William, Roosevelt, N. Y. Change-letter sign. No. 1,050,115; Jan. 14; Gaz. vol. 186; p. 305.
- Ellison, William C., et al. (See Rohrdantz, Henry, assignor.)
- Ellsworth & Cross. (See Duffy, Thomas I., assignor.)
- Ellsworth, Herman, Port Ewen, N. Y. Window-shade-roller bracket. No. 1,051,717; Jan. 28; Gaz. vol. 186; p. 919.
- Ellsworth, Irving H., Oak Harbor, Ohio. Stretching apparatus for leather or the like. No. 1,053,978; Feb. 25; Gaz. vol. 187; p. 842.
- Elma Mfg. Co. (See Trayne, John H., assignor.)
- Elmen, Gustav W., Schenectady, N. Y., assignor to General Electric Company. Electrode. No. 1,057,046; Mar. 25; Gaz. vol. 188; p. 912.
- Elmendorf, Bernhard, and J. Gabler, Isselhorst, Germany. Automatic weft-replenishing mechanism for looms. No. 1,060,830; May 6; Gaz. vol. 190; p. 91.
- Elmendorf, Bernhard, and J. Gabler, Isselhorst, Germany. Automatic weft-replenishing mechanism for looms. No. 1,060,831; May 6; Gaz. vol. 190; p. 92.
- Elmer, James P., St. Paul, Minn., assignor to Moore Patent Car Company. Refrigerator-car. No. 1,061,680; May 13; Gaz. vol. 190; p. 421.
- Elmer, William H., New Hartford, N. Y. Belt-fastener. No. 1,074,612; Oct. 7; Gaz. vol. 194; p. 8.
- Elmes, Devereux. (See Hudson and Elmes.)
- Elmore, Guy H., Swarthmore, Pa. Concentrating-table. No. 1,056,519; Mar. 18; Gaz. vol. 188; p. 701.
- Elmore, Guy H., Joplin, Mo. Coal-separator. No. 1,077,876; Nov. 4; Gaz. vol. 196; p. 217.
- Elmquist, Charles L. (See Elmquist, Gottfrid S. and C. L.)
- Elmquist, Gottfrid S. and C. L., Ramsey county, Minn. Cabinet. No. 1,056,158; Mar. 18; Gaz. vol. 188; p. 577.
- Elrod, Abraham, Seymour, Ind. Saw-grinding machine. No. 1,074,047; Sept. 23; Gaz. vol. 194; p. 909.
- Elsaessische Maschinenbau Gesellschaft et al. (See Burgett, August, assignor.)
- Else, George, Yuma, Colo. Broom-holder. No. 1,062,774; May 27; Gaz. vol. 190; p. 865.
- Elsner, Kurt L., New York, N. Y. Fire-escape apparatus. No. 1,069,325; Aug. 5; Gaz. vol. 193; p. 82.
- Elsoffer, Joshua. (See Colling, Charles J., Sr., assignor.)
- Elson, Arthur, Boston, Mass. Inserted saw-tooth and locking mechanism therefor. No. 1,079,594; Nov. 25; Gaz. vol. 196; p. 905.
- Elson, Arthur, Boston, Mass. Air-cooler. No. 1,081,595; Dec. 16; Gaz. vol. 197; p. 641.
- Elston, Thomas J., Bedford, Ind. Sash-lock. No. 1,060,238; Apr. 29; Gaz. vol. 189; p. 1132.
- Elsworth, Thomas F., Leeds, England. Rotary printing-machine. No. 1,065,228; June 17; Gaz. vol. 191; p. 765.
- Eltrich, Charles B., Camrose, Alberta, Canada. Clothes-washer. No. 1,058,044; Apr. 8; Gaz. vol. 189; p. 265.
- Elvers, John H., Owings Mills, Md. Game apparatus. No. 1,051,718; Jan. 28; Gaz. vol. 186; p. 919.
- Elvert, Heinrich. (See Schirmacher and Elvert.)
- Elvin, Albert G. (See Martin and Mohun, assignors.)
- Elvin, Albert G., Somerville, N. J. Fluid-pressure motor. No. 1,050,528; Jan. 14; Gaz. vol. 186; p. 448.
- Elvin, Albert G., Somerville, N. J. Mechanical stoker. No. 1,058,356; Apr. 8; Gaz. vol. 189; p. 376.
- Elvin, Albert G., Franklin, Pa. Fire-box door for steam-boilers. No. 1,066,005; July 1; Gaz. vol. 192; p. 35.
- Elvin, Albert G., Somerville, N. J. Door-operating mechanism. No. 1,073,894; Sept. 23; Gaz. vol. 194; p. 859.
- Elwell, Franklin H., Chicago, Ill. Pump-valve. No. 1,082,508; Dec. 30; Gaz. vol. 197; p. 1012.
- Elwell, Lloyd E., Los Angeles, Cal. Trolley-switch. No. 1,059,131; Apr. 15; Gaz. vol. 189; p. 681.
- Elwell-Parker Electric Company of America, The. (See Ahl and Cochran, assignors.)
- Elwell-Parker Electric Company of America, The. (See Cochran, Clyde E., assignor.)
- Ely, Lewellen A., Dayton, Ohio. Playing-cards. No. 1,076,492; Oct. 21; Gaz. vol. 195; p. 711.
- Ely, Marshall S. (See White, Kirk H., assignor.)
- Ely, William. (See Hutchins, Arthur W., assignor.)
- Elyovszky, Mike, North Tonawanda, N. Y. Picture-frame. No. 1,049,830; Jan. 7; Gaz. vol. 186; p. 174.
- Elzas, Martin, New York, N. Y. Vending-machine. No. 1,052,229; Feb. 4; Gaz. vol. 187; p. 133.
- Emack, Albert, assignor to A. Emack Company, Calais, Me. Snow-shoe. No. 1,052,139; Feb. 4; Gaz. vol. 187; p. 103.

Alphabetical list of patentees—Continued.

- Emanuel, Benjamin D., Anderson, Ind. Weighing-scale. No. 1,074,421; Sept. 30; Gaz. vol. 194; p. 1063.
- Emanuel, William H., Nesquehoning, Pa. Slaw or kraut cutter. No. 1,079,226; Nov. 18; Gaz. vol. 196; p. 748.
- Embalmers' Supply Company, The. (See Holzhausen, Richard J., assignor.)
- Emberg, Oscar J. D. (See Emberg, Oscar S. and O. J. D.)
- Emberg, Oscar S. and O. J. D., Chicago, Ill. Smelting-furnace. No. 1,069,326; Aug. 5; Gaz. vol. 193; p. 83.
- Emeis, Henry T., San Diego, Cal. Pneumatic attachment for ink-receptacles. No. 1,075,469; Oct. 14; Gaz. vol. 195; p. 332.
- Emeliantzeff, Gregory, St. Petersburg, Russia. Type-writing machine. No. 1,056,159; Mar. 18; Gaz. vol. 188; p. 577.
- Emenbiser, Jerome A., Anadarko, Okla. Hay-rake and side loader. No. 1,077,821; Nov. 4; Gaz. vol. 196; p. 199.
- Emergency Horseshoe Company, The. (See Whitaker, Richard, assignor.)
- Emerick, Frank A. (See Mitchell and Emerick.)
- Emerson, Annette E. (See Emerson, Victor L., assignor.)
- Emerson-Brantingham Company. (See Clay, Harry C., assignor.)
- Emerson-Brantingham Company. (See Davis, Calvin R., assignor.)
- Emerson-Brantingham Company. (See Farnam, Jullan P., assignor.)
- Emerson-Brantingham Company. (See McConville and Farnam, assignors.)
- Emerson-Brantingham Company. (See Murphey, Frank P., assignor.)
- Emerson-Brantingham Company. (See Waterman, Lewis E., assignor.)
- Emerson-Brantingham Company. (See Wilson, George, assignor.)
- Emerson, Charles H., Portland, Me. Game apparatus. No. 1,055,151; Mar. 4; Gaz. vol. 188; p. 167.
- Emerson, George E., Newark, N. J., assignor to H. Water-son, trustee, Richmond Hill, N. Y. Stylus-adjusting device. No. 1,068,231; July 22; Gaz. vol. 192; p. 898.
- Emerson, James S. (See Pooler, Earl, assignor.)
- Emerson, Jerome E., Lockport, N. Y. Tension device for loom-shuttles. No. 1,063,518; June 3; Gaz. vol. 191; p. 118.
- Emerson, Loender C., assignor of one-third to W. W. Blakeslee, Los Angeles, Cal. Nut-lock. No. 1,068,488; July 29; Gaz. vol. 192; p. 1025.
- Emerson, Oliver S., Luxora, Ark. Air-accumulator. No. 1,068,579; July 29; Gaz. vol. 192; p. 1056.
- Emerson, Victor H., New York, N. Y., assignor to Ameri-can Graphophone Company, Bridgeport, Conn. Disk record and the production thereof. No. 1,050,932; Jan. 21; Gaz. vol. 186; p. 621.
- Emerson, Victor H., New York, N. Y., and G. A. Man-ward, Bayonne, N. J., assignors to American Grapho-phone Company, Bridgeport, Conn. Art of and appa-ratus for recording and reproducing sound. No. 1,055,525; Mar. 11; Gaz. vol. 188; p. 329.
- Emerson, Victor L., assignor to A. E. Emerson, Alexandria, Va. Faucet-valve. No. 1,068,636; July 29; Gaz. vol. 192; p. 1076.
- Emerson, William H., *et al.* (See Bowers and Townsend, assignors.)
- Emery, Albert H., Stamford, Conn. Jar or bottle closure. No. 1,049,831; Jan. 7; Gaz. vol. 186; p. 174.
- Emery, Albert H., Stamford, Conn. Jar or bottle closure. No. 1,055,992; Mar. 11; Gaz. vol. 188; p. 486.
- Emery, Arthur, assignor to Schaum and Uhlinger, Incor-porated, Philadelphia, Pa. Narrow-ware loom. No. 1,057,133; Mar. 25; Gaz. vol. 188; p. 942.
- Emery, Clyde L., Jamestown, N. Y. Hanging and ad-justing device for mirrors. No. 1,062,642; May 27; Gaz. vol. 190; p. 823.
- Emery, Elias J., Portsmouth, N. H. Arch-support. No. 1,061,056; May 6; Gaz. vol. 190; p. 173.
- Emery, Frederick H., Scranton, Pa. Shaker-picker. No. 1,066,094; July 1; Gaz. vol. 192; p. 67.
- Emery, George H., Portsmouth, N. H. Curtain-hanger. No. 1,053,796; Feb. 18; Gaz. vol. 187; p. 745.
- Emery Thompson Machine and Supply Co. (See Thomp-son, Emery, assignor.)
- Emge, Wendelin, Hohentengen, Germany. Surgical appa-ratus for setting fractured legs. No. 1,064,464; June 10; Gaz. vol. 191; p. 479.
- Emil Grossman Company. (See Waldman, Samuel S., assignor.)
- Emmer, Frederick W., Hackensack, N. J. Pedestal indi-rect-electric-lighting fixture. No. 1,079,290; Nov. 18; Gaz. vol. 196; p. 767.
- Emmers, Edward, Royersford, Pa. Woman's undergar-ment. No. 1,058,954; Apr. 15; Gaz. vol. 189; p. 619.
- Emmet, William L. R., Schenectady, N. Y., assignor to General Electric Company. Water-cooled resistance. No. 1,062,900; May 27; Gaz. vol. 190; p. 907.
- Emmet, William L. R., Schenectady, N. Y., assignor to General Electric Company. Governing mechanism for turbines. No. 1,072,929; Sept. 9; Gaz. vol. 194; p. 464.
- Emminga, J. J., *et al.* (See Hudson, Elmer, assignor.)
- Emmons, Charles V., Chicago, Ill. Insole. No. 1,065,035; June 17; Gaz. vol. 191; p. 702.
- Emmons, Frederick, assignor to Hinde & Dauch Paper Company, Sandusky, Ohio. Package. No. 1,061,531; May 13; Gaz. vol. 190; p. 369.
- Emory, Eugene L., assignor of one-half to J. R. Ellison, Suffolk, Va. Valve. No. 1,050,724; Jan. 14; Gaz. vol. 186; p. 511.
- Empey, William C., and D. L. Childs, San Francisco, Cal. Lock for manifolds. No. 1,060,239; Apr. 29; Gaz. vol. 189; p. 1132.
- Empire Brass Manufacturing Company, The. (See Na-huis, Frank J., assignor.)
- Empire Duplex Gin Company. (See Cheesman, James E., assignor.)
- Empire Duplex Gin Company. (See Meurling, Ivar, as-signor.)
- Empire Machine Company. (See Day, Arthur L., as-signor.)
- Empire Machine Company. (See Dorsey, Vernon M., as-signor.)
- Empire Machine Company. (See Hanford, Orin A., as-signor.)
- Empire Plow Company, The. (See Haiman, Elias, as-signor.)
- Empire Railway Appliance Corporation. (See Powers, Edmund B., assignor.)
- Empire Steel Ladder Company *et al.* (See Vye, Benja-min D., assignor.)
- Empire Voting Machine Company. (See Dean, James H., assignor.)
- Empire Voting Machine Company. (See Gillespie, Alfred J., assignor.)
- Empire Voting Machine Company. (See Lausterer, Wil-liam J., assignor.)
- Empire Voting Machine Company. (See McElroy, John H., assignor.)
- Empire Voting Machine Company. (See McKenzie, Angus, assignor.)
- Empire Voting Machine Company. (See Ransom, John E., assignor.)
- Emrich, John O., Pittsburgh, Pa. Metallic door. No. 1,061,993; May 20; Gaz. vol. 190; p. 563.
- Emtman, Theodore, Los Angeles, Cal. Form for concrete window construction. No. 1,051,568; Jan. 28; Gaz. vol. 186; p. 870.
- En Holm, Oscar A., New York, assignor to F. M. Ashley, Brooklyn, N. Y. Safety-razor. No. 1,053,089; Feb. 11; Gaz. vol. 187; p. 458.
- Enboolithwerke A. G. M. Olten. (See Maurer, Adolf, assignor.)
- Endorf, Charles, Jr., Chicago, Ill., assignor to Linstrom, Smith Co. Mixer. No. 1,068,994; July 29; Gaz. vol. 192; p. 1201.
- Endter, Waldemar A. (See Jones, Frank, assignor.)
- Engberg, Jonas H., Braham, Minn. Wind-wheel. No. 1,066,803; July 8; Gaz. vol. 192; p. 343.
- Engblom, Eric, Denver, Colo. Hitching-post. No. 1,064,200; June 10; Gaz. vol. 191; p. 388.
- Engdahl, Carl, Gunnison, and T. Matson, Denver, Colo.; said Engdahl assignor to said Matson. Weather-strip-forming machine. No. 1,060,897; May 6; Gaz. vol. 190; p. 116.
- Engelbreitson, Oscar C., Garretson, S. D. Attachment for pitchforks. No. 1,072,592; Sept. 9; Gaz. vol. 194; p. 344.
- Engel, Arthur F., New York, N. Y. Eleyet. No. 1,071,406; Aug. 26; Gaz. vol. 193; p. 893.
- Engel, Daniel M., Fairbanks, Wash. Coupling for agricul-tural machinery. No. 1,060,441; Apr. 29; Gaz. vol. 189; p. 1204.
- Engel, Edwin F. (See Anderson and Engel.)
- Engel, Hermann W., Hamburg, Germany. Scale for draw-ing utensils. No. 1,061,994; May 20; Gaz. vol. 190; p. 563.
- Engel, John A., assignor of one-half to T. Rubovits, Chi-cago, Ill. Stacking mechanism for printing-presses and like machines. No. 1,067,475; July 15; Gaz. vol. 192; p. 608.
- Engel, Julius. (See Siegl and Engel.)
- Engel, Karl, Arlington, Mass., assignor to United Shoe Machinery Company, Paterson, N. J. Manufacture of boots and shoes. No. 1,055,622; Mar. 11; Gaz. vol. 188; p. 360.
- Engel, Karl, Arlington, Mass., assignor to United Shoe Machinery Company, Paterson, N. J. Die. No. 1,055,623; Mar. 11; Gaz. vol. 188; p. 360.
- Engel, Karl, Arlington, Mass., assignor to United Shoe Machinery Company, Paterson, N. J. Cutting up stock. No. 1,068,489; July 29; Gaz. vol. 192; p. 1025.
- Engel, Karl, Arlington, Mass., assignor to United Shoe Machinery Company, Paterson, N. J. Machine for cut-ting up stock. No. 1,068,490; July 29; Gaz. vol. 192; p. 1025.
- Engel, Louis, Cleveland, Ohio. Surfacing-machine for bowling-alleys. No. 1,057,953; Apr. 1; Gaz. vol. 189; p. 190.
- Engelhard, Armin, Offenbach-on-the-Main, Germany. Uni-versal radial drill, portable or on wheels. No. 1,073,597; Sept. 23; Gaz. vol. 194; p. 755.

Alphabetical list of patentees—Continued.

- Engelhard, Gustav, Gotha, Germany. Cask-filling device. No. 1,054,912; Mar. 4; Gaz. vol. 188; p. 88.
- Engelhardt, Philip M., Swaledale, Iowa. Folding step. No. 1,061,828; May 13; Gaz. vol. 190; p. 466.
- Engelhardt & Sons, F. (See Kupp, William A., assignor.)
- Engelmann, Max, assignor to Farbenfabriken vorm. Friedr. Bayer & Co., Elberfeld, Germany. Pharmaceutical compound. No. 1,060,327; Apr. 29; Gaz. vol. 189; p. 1164.
- Engelmann, Max, assignor to Farbenfabriken vorm. Friedr. Bayer & Co., Elberfeld, Germany. Organic mercury compounds. No. 1,074,781; Oct. 7; Gaz. vol. 195; p. 67.
- Enger, Carl, assignor to Felten and Guillaume-Lahmeyerwerke Actien Gesellschaft, Mülheim-on-the-Rhine, Germany. Heddle. No. 1,075,411; Oct. 14; Gaz. vol. 195; p. 311.
- Engert, George J., Spokane, Wash. Vehicle-wheel. No. 1,057,047; Mar. 25; Gaz. vol. 188; p. 912.
- Engi, Gadiant, assignor to Society of Chemical Industry in Basle, Basel, Switzerland. Vat dyestuffs of the indigo series and making same. No. 1,074,850; Oct. 7; Gaz. vol. 195; p. 89.
- Engi, Gadiant, and J. Fröhlich, Basel, assignors to Society of Chemical Industry in Basle, Basel, Switzerland. Orange vat dyestuffs and making same. No. 1,081,898; Dec. 16; Gaz. vol. 197; p. 742.
- Engineering and Development Company of America, The. (See Johnston, William G., assignor.)
- Engineering and Development Company of America, The. (See Stone, William F., assignor.)
- England, Andrew R., assignor, by mesne assignments, to California Fuel Manufacturing Company, Los Angeles, Cal. Material-compressing machine. No. 1,067,476; July 15; Gaz. vol. 192; p. 608.
- England, Clyde N., Fort Flagler, Wash. Envelop. No. 1,074,613; Oct. 7; Gaz. vol. 195; p. 8.
- England, Isaac W., assignor to Passaic Metal Ware Company, Passaic, N. J. Frame or easel. No. 1,077,130; Oct. 28; Gaz. vol. 195; p. 985.
- England, William H. (See Allfree and England.)
- Englander, Benjamin B., New York, assignor to Englander Spring Bed Company, Brooklyn, N. Y. Convertible bed and divan. No. 1,061,362; May 13; Gaz. vol. 190; p. 309.
- Englander, Benjamin B., New York, assignor to Englander Spring Bed Company, Brooklyn, N. Y. Couch or divan. No. 1,061,532; May 13; Gaz. vol. 190; p. 369.
- Englander, Benjamin B., New York, assignor to Englander Spring Bed Company, Brooklyn, N. Y. Adjustable-back divanette. No. 1,061,533; May 13; Gaz. vol. 190; p. 370.
- Englander, Benjamin B., New York, assignor to Englander Spring Bed Company, Brooklyn, N. Y. Divanette. No. 1,061,534; May 13; Gaz. vol. 190; p. 370.
- Englander, Benjamin B., New York, assignor to Englander Spring Bed Company, Brooklyn, N. Y. Convertible bed and divan. No. 1,061,956; May 13; Gaz. vol. 190; p. 509.
- Englander, Benjamin B., New York, assignor to Englander Spring Bed Company, Brooklyn, N. Y. Two-motion divanette. No. 1,063,519; June 3; Gaz. vol. 191; p. 118.
- Englander Spring Bed Company. (See Englander, Benjamin B., assignor.)
- Englander Spring Bed Company. (See Kreuzkamp, August J., assignor.)
- Englander Spring Bed Company. (See Potts, Samuel W., assignor.)
- Engle Brush Manufacturing Company. (See Reichert and Veeck, assignors.)
- Engle, Clay, *et al.* (See Volmer, Joseph, assignor.)
- Engle, Edwin E., Sayre, Okla. Extensible running-board for freight-cars. No. 1,051,205; Jan. 21; Gaz. vol. 186; p. 713.
- Engle, Eugene A., Prescott, Ariz. Portable dam for irrigating-ditches. No. 1,055,389; Mar. 11; Gaz. vol. 188; p. 284.
- Engle, George S., Providence, R. I. Primary battery. No. 1,049,347; Jan. 7; Gaz. vol. 186; p. 10.
- Engle, George S., Providence, R. I., assignor to American Elementary Electric Company, Washington, D. C. Primary battery. No. 1,052,330; Feb. 4; Gaz. vol. 187; p. 165.
- Engle, Horace M., Roanoke, Va. Indicating means for roll-films. No. 1,064,465; June 10; Gaz. vol. 191; p. 479.
- Engle, John F., assignor to L. M. Parker, Cleveland, Ohio. Electric clock. No. 1,064,137; June 10; Gaz. vol. 191; p. 367.
- Engle, Lillian K., Philadelphia, Pa. Hook and eye. No. 1,065,120; June 17; Gaz. vol. 191; p. 731.
- Engle, Lillian K., Philadelphia, Pa. Hook and eye. No. 1,065,121; June 17; Gaz. vol. 191; p. 731.
- Engle and Van Denberg. (See Van Denberg, Edward D., assignor.)
- Englebright, William F., Nevada City, Cal. Apparatus for measuring and registering water-flow. No. 1,080,052; Dec. 2; Gaz. vol. 197; p. 46.
- Engleman, Ernest E., Roanoke, Va. Transplanter. No. 1,077,822; Nov. 4; Gaz. vol. 196; p. 199.
- Englert, Joseph J., Chicago, Ill. Machine for sharpening corrugated metal fasteners. No. 1,052,657; Feb. 11; Gaz. vol. 187; p. 310.
- English, Analdo M. (See Cummings and English.)
- English, Arthur G. (See Sloan and English.)
- English, Frederick A., assignor to Birtman Electric Co., Chicago, Ill. Electrically-heated curling-iron. No. 1,073,336; Sept. 16; Gaz. vol. 194; p. 644.
- English, Harry W. (See Byron and English.)
- English, Harry W., and M. A. Byron, Electra, Tex. Under-drilling bit. No. 1,067,416; July 15; Gaz. vol. 192; p. 588.
- English, Hilbert W., Buffalo, N. Y. Floor-smoothing composition. No. 1,077,131; Oct. 28; Gaz. vol. 195; p. 986.
- English, John C. (See Johnson and English.)
- English, John C., Camden, N. J., assignor to Victor Talking Machine Company. Tone-arm for talking-machines. No. 1,049,348; Jan. 7; Gaz. vol. 186; p. 10.
- English, John C., Camden, N. J., assignor to Victor Talking Machine Company. Sound-box for talking-machines. No. 1,064,062; June 10; Gaz. vol. 191; p. 339.
- English, John C., Camden, N. J., assignor to Victor Talking Machine Company. Sound-amplifying device. No. 1,067,905; July 22; Gaz. vol. 192; p. 786.
- English, John C., Camden, N. J., assignor to Victor Talking Machine Company. Talking-machine. No. 1,071,033; Aug. 26; Gaz. vol. 193; p. 767.
- English, John C., Camden, N. J., assignor to Victor Talking Machine Company. Sound-amplifier. No. 1,071,610; Aug. 26; Gaz. vol. 193; p. 960.
- English & Mersick Co., The. (See Altmann, Frank C., assignor.)
- English and Mersick Co., The. (See Krah, Alexis, assignor.)
- Englund, Ernst E., assignor to D. M. Sechler Implement & Carriage Company, Moline, Ill. Fertilizer attachment for planters. No. 1,057,533; Apr. 1; Gaz. vol. 189; p. 47.
- Englund, Leon, Pittsfield, Mass. Domestic boiler. No. 1,072,105; Sept. 2; Gaz. vol. 194; p. 149.
- Englund, Louis J., Marshfield, Oreg. Fish-hook. No. 1,066,392; July 1; Gaz. vol. 192; p. 170.
- Engman, Harry A. (See Ackerman, Albert A., assignor.)
- Engstrom, Ivan, and J. Bloom, Chicago, Ill. Horseshoe. No. 1,075,343; Oct. 14; Gaz. vol. 195; p. 287.
- Enhelder, Jessie, Greenwood, Wis. Bee-feeder. No. 1,056,783; Mar. 25; Gaz. vol. 188; p. 821.
- Enloe, Edwin C., New Hartford, Iowa. Horse-collar pad. No. 1,056,784; Mar. 25; Gaz. vol. 188; p. 821.
- Ennis, George H., Los Angeles, Cal. Seaweed-harvester. No. 1,080,144; Dec. 2; Gaz. vol. 197; p. 79.
- Ennis, John L., Reading, Pa. Silver-cleaner. No. 1,074,782; Oct. 7; Gaz. vol. 195; p. 68.
- Eno, George W. (See Jackson and Sherbondy, assignors.)
- Enos, Frank, *et al.* (See Simas, Michael P., assignor.)
- Enos, Frank, Jr., assignor to The Norwich Automatic Feeder Co., Norwich, Conn. Drinking-fountain for poultry. No. 1,055,624; Mar. 11; Gaz. vol. 188; p. 361.
- Entight, John W., New Orleans, La. Rail-anchor. No. 1,050,725; Jan. 14; Gaz. vol. 186; p. 511.
- Ensign-Bickford Company, The. (See Schulman, Louis and J., assignors.)
- Ensign, George A. (See Root and Ensign.)
- Ensign, George A., assignor to Defiance Machine Works, Defiance, Ohio. Cutter-head. No. 1,072,930; Sept. 9; Gaz. vol. 194; p. 464.
- Ensign, Homer B. (See Hulett, Alonzo J., assignor.)
- Ensign, Orville H., Los Angeles, Cal. Producing gas. No. 1,064,625; June 10; Gaz. vol. 191; p. 532.
- Ensign, Orville H., Los Angeles, Cal. Producing gas. No. 1,064,626; June 10; Gaz. vol. 191; p. 533.
- Ensign, Orville H., Los Angeles, Cal. Vaporizer. No. 1,064,627; June 10; Gaz. vol. 191; p. 533.
- Ensign, Orville H., Los Angeles, Cal. Carbureter. No. 1,064,628; June 10; Gaz. vol. 191; p. 534.
- Ensign, Orville H., Madison, Wis. Gas-generator. No. 1,079,118; Nov. 18; Gaz. vol. 196; p. 711.
- Ensign, Wesley N., Whitestone, N. Y. Shock-absorber for aeroplanes. No. 1,074,499; Sept. 30; Gaz. vol. 194; p. 1088.
- Enslin, Herbert E., Malden, Mass., assignor to United Shoe Machinery Company, Paterson, N. J. Upper-lacing machine. No. 1,060,069; Apr. 29; Gaz. vol. 189; p. 1073.
- Enterline, Austin S. (See Melvin and Enterline.)
- Enterprise Manufacturing Company of Pennsylvania, The. (See Asbury, Harry E., assignor.)
- Enterprise Manufacturing Company of Pennsylvania, The. (See Brown, John W., Jr., assignor.)
- Enterprise Optical Mfg. Company, The. (See Roebuck, Alvah C., assignor.)
- Enterprise Railway Equipment Company. (See Campbell, Argyle, assignor.)
- Enterprise Railway Equipment Company. (See Zimmer, Albert E., assignor.)
- Enterprise Tool and Metal Works. (See Rosengren, Frank W., assignor.)
- Entorf, Charles A., assignor to Entorf Filter Company, Amboy, Ill. Water-separating filter for gasoline. No. 1,081,030; Dec. 9; Gaz. vol. 197; p. 416.
- Entorf Filter Company. (See Entorf, Charles A., assignor.)

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- Entwistle, Ernest J., London, England. Mechanism for cutting pile loops in the manufacture of coarse pile fabrics. No. 1,072,842; Sept. 9; Gaz. vol. 194; p. 431.
- Entwistle, Samuel C., Jamestown, N. Y. Shelf-support. No. 1,062,901; May 27; Gaz. vol. 190; p. 908.
- Entz, Justus B., Cleveland, Ohio. Starter. No. 1,052,575; Feb. 11; Gaz. vol. 187; p. 282.
- Entz, Justus B., Philadelphia, Pa. Clutch. No. 1,075,412; Oct. 14; Gaz. vol. 195; p. 312.
- Entz, Justus B., assignor to The White Company, Cleveland, Ohio. Internal-combustion engine. No. 1,063,520; June 3; Gaz. vol. 191; p. 118.
- Enyart, John M., Lewisville, Ark. Hay-press. No. 1,079,751; Nov. 25; Gaz. vol. 196; p. 961.
- Eppenstein, Otto, assignor to the Firm of C. Zeiss, Jena, Germany. Telemeter. No. 1,067,512; July 15; Gaz. vol. 192; p. 620.
- Eppenstein, Otto, assignor to Firm of C. Zeiss, Jena, Germany. Coincidence-telemeter. No. 1,074,935; Oct. 7; Gaz. vol. 195; p. 118.
- Eppenstein, Otto, assignor to Firm of C. Zeiss, Jena, Germany. Refracting-prism. No. 1,081,031; Dec. 9; Gaz. vol. 197; p. 416.
- Epperson, Roy. (See Beers, Henry W., assignor.)
- Eppinger, J. John. (See Baruch, Sydney N., assignor.)
- Eppler, Andrew, Lynn, Mass., assignor to United Shoe Machinery Company, Paterson, N. J. Forepart-turning machine. No. 1,058,164; Apr. 8; Gaz. vol. 189; p. 308.
- Eppler, Andrew, Lynn, Mass., assignor to United Shoe Machinery Company, Paterson, N. J. Welt-guide for shoe-sewing machines. No. 1,070,122; Aug. 12; Gaz. vol. 193; p. 384.
- Eppler, Andrew, Lynn, Mass., assignor to United Shoe Machinery Company, Paterson, N. J. Sewing-machine. No. 1,076,878; Oct. 28; Gaz. vol. 195; p. 901.
- Eppler, Andrew, Lynn, Mass., assignor to United Shoe Machinery Company, Paterson, N. J. Rounding and channeling machine. No. 1,080,902; Dec. 9; Gaz. vol. 197; p. 374.
- Eppler, Andrew, Boston, Mass., assignor to United Shoe Machinery Company, Paterson, N. J. Welt-guide mechanism for welt-shoe-sewing machines. No. 1,076,201; Oct. 21; Gaz. vol. 195; p. 608.
- Eppley, Francis G., assignor to Albaugh-Dover Co., Chicago, Ill. Liquid-separator. No. 1,066,393; July 1; Gaz. vol. 192; p. 171.
- Epright, Alonzo W., Altoona, Pa. Scale poise and beam. No. 1,054,963; Mar. 4; Gaz. vol. 188; p. 104.
- Epstein, George, New York, N. Y. Convertible fur piece. No. 1,075,244; Oct. 7; Gaz. vol. 195; p. 226.
- Epstein, Harris, Brooklyn, N. Y. Signaling apparatus. No. 1,060,893; May 6; Gaz. vol. 190; p. 116.
- Epstein, Max, assignor to The German American Car Company, Chicago, Ill. Tank-car. No. 1,068,750; July 29; Gaz. vol. 192; p. 1115.
- Epton, Leland P., Spartanburg, S. C. Spoke-securing device. No. 1,060,542; Apr. 29; Gaz. vol. 189; p. 1239.
- Equitable Meter Company. (See Wylie, Thomas B., assignor.)
- Erb, Ada M., Connellsville, assignor of fifty one-hundredths to T. C. Drum, West Newton, and twenty one-hundredths to F. B. Potter, Connellsville, Pa. Window-shade and curtain-pole support. No. 1,058,022; Apr. 1; Gaz. vol. 189; p. 214.
- Erb, Arthur A. (See Gaines and Erb.)
- Erb, Edmund M., Jersey City, N. J., assignor, by mesne assignments, to F. Wesel Manufacturing Company, Brooklyn, N. Y. Printing-plate holder and registering clamp. No. 1,074,108; Sept. 30; Gaz. vol. 194; p. 960.
- Erb, Herman P., et al. (See Buttsov, George P., assignor.)
- Erb, Jacob E., Ryder, N. D. Scraping and covering attachment for grain-drills, disk harrows, and the like. No. 1,051,873; Feb. 4; Gaz. vol. 187; p. 9.
- Erb, William B., Chicago, Ill. Double-acting deep-well pump. No. 1,063,669; June 3; Gaz. vol. 191; p. 174.
- Erbe, Christopher, Tamaqua, Pa. Stirrup. No. 1,062,327; May 20; Gaz. vol. 190; p. 678.
- Erben, John, Cleveland, Ohio. Convertible burner and range. No. 1,053,797; Feb. 18; Gaz. vol. 187; p. 745.
- Erdenkauf, Henry F. (See Jaberg, Frank A., assignor.)
- Erdmann, Emil M., assignor to Hansmann Manufacturing Company, Long Prairie, Minn. Draft apparatus. No. 1,050,439; Jan. 14; Gaz. vol. 186; p. 416.
- Erdmann, William, Milwaukee, Wis., assignor to Gem Hammock and Fly Net Company. Fly-net. No. 1,071,034; Aug. 26; Gaz. vol. 193; p. 768.
- Erf, Oscar, Columbus, Ohio. Cow-stall. No. 1,054,287; Feb. 25; Gaz. vol. 187; p. 946.
- Erzenzinger, Martin, Atlanta, Ga. Mechanism for controlling the operation of valves. No. 1,071,993; Sept. 2; Gaz. vol. 194; p. 111.
- Erzenzinger, Martin, Atlanta, Ga., and H. S. Day, Brooklyn, N. Y., assignors to Westinghouse Electric and Manufacturing Company. Bow contact-shoe for trolleys. No. 1,070,432; Aug. 19; Gaz. vol. 193; p. 533.
- Ergler, Adolph C. (See Graybill and Ergler.)
- Eric (Patent) Water Main Scraper Co., Limited, The. (See Hammond, Frederick W., assignor.)
- Erickson, Alfred S., Ames, Iowa. Adjustable clothes-line support. No. 1,081,440; Dec. 16; Gaz. vol. 197; p. 590.
- Erickson, Carl H., Denver, Colo. Gas-burner. No. 1,057,814; Apr. 1; Gaz. vol. 189; p. 144.
- Erickson, Charles F., Brooklyn, N. Y. Carbureter. No. 1,061,995; May 20; Gaz. vol. 190; p. 563.
- Erickson, Charles J., assignor, by mesne assignments, to First Trust and Savings Bank, trustee, Chicago, Ill. Harmonic party-line telephone-ringer. No. 1,051,989; Feb. 4; Gaz. vol. 187; p. 48.
- Erickson, Charles J., assignor, by mesne assignments, to First Trust and Savings Bank, trustee, Chicago, Ill. Harmonic electric bell or ringer. No. 1,061,733; May 13; Gaz. vol. 190; p. 439.
- Erickson, Charles J., assignor, by mesne assignments, to First Trust and Savings Bank, trustee, Chicago, Ill. Spring-mounting for magnet-armatures. No. 1,062,586; May 27; Gaz. vol. 190; p. 804.
- Erickson, Charles M., Clarkfield, Minn. Means for attaching draft-bars to sleigh-runners. No. 1,050,960; Dec. 9; Gaz. vol. 197; p. 394.
- Erickson, Edward. (See Cosgrove and Erickson.)
- Erickson, Edward, assignor to The Boylston Manufacturing Company, Boston, Mass. Heel-breasting machine. No. 1,067,216; July 8; Gaz. vol. 192; p. 484.
- Erickson, Edward, Beverly, and J. W. Cosgrove, Medford, Mass., assignors to United Shoe Machinery Company, Paterson, N. J. Machine for forming and inserting staples. No. 1,059,984; Apr. 29; Gaz. vol. 189; p. 1046.
- Erickson, Emil, Phillips, Wis. Cycle-handle-bar shock-absorber. No. 1,060,442; Apr. 29; Gaz. vol. 189; p. 1204.
- Erickson, Emil O., Lake Park, Minn. Bolt-cutter. No. 1,055,970; Mar. 11; Gaz. vol. 188; p. 477.
- Erickson, Erick H., Minneapolis, Minn. Reduced test-leg. No. 1,071,149; Aug. 26; Gaz. vol. 193; p. 806.
- Erickson, James M., Morenci, Ariz. Nest. No. 1,053,019; Feb. 11; Gaz. vol. 187; p. 433.
- Erickson, John, assignor to Automatic Electric Company, Chicago, Ill. Measured-service telephone system. No. 1,062,387; May 20; Gaz. vol. 190; p. 697.
- Erickson, John, assignor to Automatic Electric Company, Chicago, Ill. Relay. No. 1,082,310; Dec. 23; Gaz. vol. 197; p. 944.
- Erickson, John E., St. Paul, Minn. Machine for cutting and creasing blanks. No. 1,058,165; Apr. 8; Gaz. vol. 189; p. 308.
- Erickson, Martin. (See Olson, Lewis H., assignor.)
- Erickson, Otto H., Minneapolis, Minn. Valve-operating device. No. 1,055,152; Mar. 4; Gaz. vol. 188; p. 167.
- Erickson, Paul E., Courtland, Kans. Irrigating system. No. 1,077,132; Oct. 28; Gaz. vol. 195; p. 936.
- Erickson, Paul E., Courtland, Kans. Sand-point. No. 1,080,684; Dec. 9; Gaz. vol. 197; p. 297.
- Erikson, Per E., New York, N. Y., assignor to Western Electric Company, Chicago, Ill. Protector. No. 1,063,249; June 3; Gaz. vol. 191; p. 28.
- Erickson, Peter, Grand Junction, Colo. Railway-tie. No. 1,072,931; Sept. 9; Gaz. vol. 194; p. 465.
- Erickson, Peter, Chicago, Ill. Cutter-guard. No. 1,074,614; Oct. 7; Gaz. vol. 194; p. 9.
- Erickson, Peter E., Port Chester, N. Y. Hose-clamp. No. 1,070,952; Aug. 19; Gaz. vol. 193; p. 706.
- Ericson, Richard W., Chicago, Ill. Car-door-closing mechanism. No. 1,072,106; Sept. 2; Gaz. vol. 194; p. 149.
- Erie Toe Calk Machine Company. (See Gardner, Myron L., assignor.)
- Erikson, Albert, Chicago, Ill. Photographer's cabinet. No. 1,057,417; Apr. 1; Gaz. vol. 189; p. 9.
- Erikson, Oscar, Maguire, Mo. Harrow. No. 1,079,752; Nov. 25; Gaz. vol. 196; p. 961.
- Eriksson, Karl A., Rockford, Ill. Scaffold. No. 1,065,512; June 24; Gaz. vol. 191; p. 900.
- Erk, Martin J., Elmira, N. Y. Boiler. No. 1,050,632; Jan. 14; Gaz. vol. 186; p. 482.
- Erkenbrack, Walter A., Webster, S. D. Heating-coil for carbureters. No. 1,081,729; Dec. 16; Gaz. vol. 197; p. 684.
- Erlwein, Georg, Charlottenburg, Germany. Apparatus for producing dry heated air. No. 1,069,241; Aug. 5; Gaz. vol. 193; p. 55.
- Ermold, Edward, New York, N. Y. Bottle-labeling machine. No. 1,056,520; Mar. 18; Gaz. vol. 188; p. 702.
- Ernest, Albert C., Hubbard, assignor of one-third to D. M. Roberts, Cooleage, and one-third to B. H. McDaniel, Hubbard, Tex. Rail-joint. No. 1,075,554; Oct. 14; Gaz. vol. 195; p. 361.
- Ernst, Alfred, Pittsburgh, Pa. Gas-cleaner. No. 1,062,445; May 20; Gaz. vol. 190; p. 715.
- Ernst, Alfred, Pittsburgh, Pa. Gas-cleaner. No. 1,062,446; May 20; Gaz. vol. 190; p. 715.
- Ernst, Alfred, Pittsburgh, Pa. Gas-cleaner. No. 1,079,849; Nov. 25; Gaz. vol. 196; p. 994.
- Ernst, Amos G., Junction City, Kans. Tanning composition and making the same. No. 1,053,798; Feb. 18; Gaz. vol. 187; p. 745.
- Ernst, Charles K., Buffalo, N. Y. Trap-door. No. 1,060,974; May 6; Gaz. vol. 190; p. 143.
- Ernst, Charles K., Buffalo, N. Y. Hoisting apparatus. No. 1,078,998; Nov. 18; Gaz. vol. 196; p. 669.

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- Ernst Gideon Bek, G. m. b. H. (See Bischoff, Gotthilf, assignor.)
- Errett, Joseph, Cleveland, Ohio. Platform-gear for vehicles. No. 1,076,202; Oct. 21; Gaz. vol. 195; p. 608.
- Ersin, Harold O., St. Paul, Minn. Bed-bottom. No. 1,053,959; Feb. 18; Gaz. vol. 187; p. 799.
- Ersine, Archibald B. (See Holtzman, John, assignor.)
- Ersine, James, Jersey City, N. J., assignor to William M. Crane Company. Heating apparatus. No. 1,060,975; May 6; Gaz. vol. 190; p. 143.
- Ersine, Ralph W., assignor of one-half to A. J. Porter, Pittsburg, Kans. Convertible blow-off cock and check-valve. No. 1,066,891; July 8; Gaz. vol. 192; p. 373.
- Ersler, Max S., Chicago, Ill. Loose-leaf binder. No. 1,050,440; Jan. 14; Gaz. vol. 186; p. 417.
- Ersler, Max S., Chicago, Ill. Filling and display device. No. 1,063,670; June 3; Gaz. vol. 191; p. 174.
- Ertzman, Edward E., Chicago, Ill. Fence-gate. No. 1,056,740; Mar. 18; Gaz. vol. 188; p. 776.
- Ervin, Dabney L., Columbus, Miss. Hasp-fastener. No. 1,078,037; Nov. 11; Gaz. vol. 196; p. 305.
- Ervin, Fred, Van Metre, S. D. Nail. No. 1,051,874; Feb. 4; Gaz. vol. 187; p. 9.
- Erwin, Elmer, Valley Point, Pa. Lock-nut. No. 1,070,789; Aug. 19; Gaz. vol. 193; p. 655.
- Erwin, Robert E., et al. (See Akers, Joseph G., assignor.)
- Erz, George, Lynden, Wash. Window-latch. No. 1,072,593; Sept. 9; Gaz. vol. 194; p. 344.
- Erzig, Nikolaus, Chicago, Ill. Post-hole digger. No. 1,067,417; July 15; Gaz. vol. 192; p. 589.
- Escarras, Gabriel. (See Carsalade du Pont, Paul de, assignor.)
- Esch, Peter, Dusseldorf, assignor to Schmidt'sche Heissdampf-Gesellschaft mit beschränkter Haftung, Cassel, Germany. Making U-shaped pipe-bends. No. 1,074,783; Oct. 7; Gaz. vol. 195; p. 68.
- Esch, Peter, Dusseldorf, assignor to Schmidt'sche Heissdampf Gesellschaft, m. b. H., Cassel, Germany. Making U-shaped pipe-bends. No. 1,075,201; Oct. 7; Gaz. vol. 195; p. 211.
- Eschebacher, Emanuel, New York, N. Y. Petticoat. No. 1,074,109; Sept. 30; Gaz. vol. 194; p. 960.
- Eschellmann, Georg, and A. Harmuth, St. Petersburg, Russia, assignors to General Chemical Company, New York, N. Y. Gas-cooler. No. 1,078,841; Nov. 18; Gaz. vol. 196; p. 616.
- Eschenbach, Franz, St. James, assignor of one-half to C. Morgan, Brooklyn, N. Y. Crate for bottles. No. 1,052,140; Feb. 4; Gaz. vol. 187; p. 103.
- Escher, Bernhard, Chemnitz, assignor to A. Horch & Cie., Motorwagenwerke Aktiengesellschaft, Zwickau, Germany. Rotary engine. No. 1,052,658; Feb. 11; Gaz. vol. 187; p. 310.
- Eshleman, Samuel B., Rochester, assignor, by mesne assignments, to Union Pearl Works, New York, N. Y. Machine for making and attaching button-shanks. No. 1,065,306; June 17; Gaz. vol. 191; p. 792.
- Esler, Samuel M., McHenry, Ill. Electrical apparatus. No. 1,069,401; Aug. 5; Gaz. vol. 193; p. 109.
- Eslick, Frederick M., U. S. Navy. Reciprocating engine. No. 1,053,799; Feb. 18; Gaz. vol. 187; p. 745.
- Eslinger, Rudolph. (See Tegelbeckers and Eslinger.)
- Esnault-Pelterie, Robert, Boulogne, France. Internal-combustion engine. No. 1,060,070; Apr. 29; Gaz. vol. 189; p. 1074.
- Esnault-Pelterie, Robert, Billancourt, France. Device for heating the carbureters of combustion-engines and more particularly for flying-machine engines. No. 1,067,906; July 22; Gaz. vol. 192; p. 787.
- Esse, Charles E. A., Barnes, and G. W. Watson, East Sheen, England. Gearing. No. 1,051,990; Feb. 4; Gaz. vol. 187; p. 49.
- Essner, Louis A., West New York, N. J. Shut-off device or valve for carbureters. No. 1,052,470; Feb. 11; Gaz. vol. 187; p. 247.
- Esson, Joseph H., Hamilton, Ontario, Canada. Propeller. No. 1,055,455; Mar. 11; Gaz. vol. 188; p. 307.
- Esterberg, William, assignor of one-half to F. Cutting, Stockton, Cal. Pipe-wrench attachment for monkey-wrenches. No. 1,055,729; Mar. 11; Gaz. vol. 188; p. 396.
- Esterline Company. (See Berdon, Albert E., assignor.)
- Esterline Company, The. (See Myers, Donald D., assignor.)
- Esterly, Charles L., and B. A. Horwitz, Cleveland, Ohio. Hot-air furnace. No. 1,051,320; Jan. 21; Gaz. vol. 186; p. 752.
- Esterly, Charles L., and B. A. Horwitz, Cleveland, Ohio. Sectional radiator for clothes-drying apparatus. No. 1,081,665; Dec. 16; Gaz. vol. 197; p. 663.
- Estes, Barton, Seattle, Wash. Cattle-guard. No. 1,049,468; Jan. 7; Gaz. vol. 186; p. 50.
- Estes, Elmer F., Lincoln, Nebr. Boring or excavating apparatus. No. 1,065,229; June 17; Gaz. vol. 191; p. 765.
- Estes, Elmer F., Lincoln, Nebr. Pencil-sharpener. No. 1,077,133; Oct. 28; Gaz. vol. 195; p. 986.
- Estey Organ Company. (See Haskell, William B., assignor.)
- Etheridge, John B., Hallsville, Tex. Hoe. No. 1,061,057; May 6; Gaz. vol. 190; p. 173.
- Etherington, James B., Winthrop, Mass., assignor to Campbell Magnetic Separating Company. Apparatus for treating ores in preparation for magnetic separation. No. 1,051,494; Jan. 28; Gaz. vol. 186; p. 844.
- Etherington, James B., Winthrop, Mass., assignor to Campbell Magnetic Separating Company. Treating ores preparatory to magnetic separation. No. 1,053,486; Feb. 18; Gaz. vol. 187; p. 639.
- Ethridge, Chancellor S., assignor of one-half to H. Blanchard, Sandwich, N. H. Wire-stretcher. No. 1,057,534; Apr. 1; Gaz. vol. 189; p. 47.
- Ettinghaus, John, Lakewood, N. J. Garment-clasp. No. 1,071,407; Aug. 26; Gaz. vol. 193; p. 893.
- Eubank, Judson C., Kansas City, Mo. Automatic electric display-sign. No. 1,065,513; June 24; Gaz. vol. 191; p. 901.
- Eubank, William S., Richmond, Va. Coupling. No. 1,075,703; Oct. 14; Gaz. vol. 195; p. 411.
- Euchenhofer, Albert J., Indianapolis, Ind. Electric-switch-timing apparatus. No. 1,058,418; Apr. 8; Gaz. vol. 189; p. 397.
- Euchenhofer, Luther J., and W. C. B. Anderson, Dayton, Ohio. Switchboard-plug cleaner. No. 1,065,600; June 24; Gaz. vol. 191; p. 931.
- Euchenhofer, Albert J. (See Rieske, Otto G., assignor.)
- Eulberg, Raymond C., Galena, Ill. Wheel-guard. No. 1,069,934; Aug. 12; Gaz. vol. 193; p. 321.
- Euler, Ernest A., Blair, Kans. Tile. No. 1,063,865; June 3; Gaz. vol. 191; p. 237.
- Euler, Ernest H., Blair, Kans. Hair-pin. No. 1,070,433; Aug. 19; Gaz. vol. 193; p. 533.
- Eureka Fire Hose Manufacturing Company. (See Davis, William H., assignor.)
- Eureka Manufacturing Company. (See Dudley, Thomas J., assignor.)
- Eureka Manufacturing and Sales Company. (See Smith, Lester E., assignor.)
- Eureka Shock Absorber Company. (See Crawford, Cary W., assignor.)
- Eureka Tempered Copper Works. (See Risbridger, John, assignor.)
- Eustice, Alfred L. (See Morgan, William J., assignor.)
- Eustice, Edward A., Newton, Iowa. Wringer-support. No. 1,053,371; Feb. 18; Gaz. vol. 187; p. 599.
- Euston, Edwin, St. Louis, Mo. Producing white lead. No. 1,075,143; Oct. 7; Gaz. vol. 195; p. 191.
- Euston, Edwin, St. Louis, Mo. Producing white lead. No. 1,079,481; Nov. 25; Gaz. vol. 196; p. 864.
- Euwer, Rankin E., Natrona, Pa. Combined letter-sheet and envelop. No. 1,076,357; Oct. 21; Gaz. vol. 195; p. 664.
- Evans, Charles D., Hood River, Oreg. Ironing-board. No. 1,053,285; Feb. 18; Gaz. vol. 187; p. 570.
- Evans, Charles E., Weed, Cal. Dowel. No. 1,060,543; Apr. 29; Gaz. vol. 189; p. 1239.
- Evans, Charley. (See Geske and Evans.)
- Evans, Clarence A., Chester, Pa. Revolving sign. No. 1,077,690; Nov. 4; Gaz. vol. 196; p. 154.
- Evans, Fred, New York, N. Y., and G. A. Duryee, Summit, N. J., assignors to Universal Cork Extractor Company. Stopper. No. 1,061,829; May 13; Gaz. vol. 190; p. 467.
- Evans, George H. (See Roth, Gilson W., assignor.)
- Evans, Henry, Forest Row, England. Foot-warmer for motor-cars. No. 1,069,683; Aug. 12; Gaz. vol. 193; p. 234.
- Evans, Henry O., Philadelphia, Pa. Union-head machine. No. 1,070,590; Aug. 19; Gaz. vol. 193; p. 588.
- Evans, Henry R., assignor to Evans-McDowell Machinery Company, Syracuse, N. Y. Wrapping-machine. No. 1,059,664; Apr. 22; Gaz. vol. 189; p. 897.
- Evans, Henry R., and O. H. Kean; said Kean assignor, by mesne assignments, to Soapitor Sales Company, New York, N. Y. Soap-dispensing machine. No. 1,060,071; Apr. 29; Gaz. vol. 189; p. 1074.
- Evans, Howard S., assignor to Buda Company, Chicago, Ill. Switch structure. No. 1,059,721; Apr. 22; Gaz. vol. 189; p. 916.
- Evans, J. Harry. (See Gerhard, Elmer S., assignor.)
- Evans, John G., Millville, assignor of one-third to W. Cresse, Pitman, N. J. Station-indicator. No. 1,064,304; June 10; Gaz. vol. 191; p. 423.
- Evans, John P., Birmingham, Ala. Automobile attachment to prevent unauthorized use. No. 1,058,166; Apr. 8; Gaz. vol. 189; p. 309.
- Evans, Joseph. (See Kennedy and Evans.)
- Evans, Leo E., Waterloo, assignor of one-half to J. A. Cutler, Osage, Iowa. Tank-car. No. 1,081,032; Dec. 9; Gaz. vol. 197; p. 416.
- Evans, Lewis J., Kirkwood, N. Y. Airship. No. 1,061,363; May 13; Gaz. vol. 190; p. 309.
- Evans, Lewis J., Kirkwood, N. Y. Elevating device. No. 1,077,691; Nov. 4; Gaz. vol. 196; p. 155.
- Evans, Llewellyn M., assignor to The Scranton Acetylene Lamp Co., Scranton, Pa. Acetylene-lamp. No. 1,081,899; Dec. 16; Gaz. vol. 197; p. 742.
- Evans-McDowell Machinery Company. (See Evans, Henry R., assignor.)

Alphabetical list of patentees—Continued.

- Evans, Owen B., Lansdowne, assignor to The United Gas Improvement Company, Philadelphia, Pa. Burning solid fuel. No. 1,073,668; Sept. 23; Gaz. vol. 194; p. 782.
- Evans, Powell, Philadelphia, Pa. Clutch construction. No. 1,074,500; Sept. 30; Gaz. vol. 194; p. 1088.
- Evans, Richard V., Elizabeth, Ill. Roll-paper holder and cutter. No. 1,063,787; June 3; Gaz. vol. 191; p. 213.
- Evans, Robert N., New York, assignor to Atlas Chain Company, Brooklyn, N. Y. Antiskid-chain. No. 1,056,981; Mar. 25; Gaz. vol. 188; p. 888.
- Evans, Robert T., and W. G. Nord, Youngstown, Ohio. Acid-valve. No. 1,057,717; Apr. 1; Gaz. vol. 189; p. 110.
- Evans, Scott F. (See Cowles, William P., assignor.)
- Evans Stamping & Plating Company. (See Tuttle, Henry A., assignor.)
- Evans, Theodore C., Terre Haute, Ind. Lock. No. 1,065,514; June 24; Gaz. vol. 191; p. 901.
- Evans, Thomas H., Little Rock, Ark. Seed-planter. No. 1,071,408; Aug. 26; Gaz. vol. 193; p. 894.
- Evans, Walter J., Chicago, Ill. Length-adjuster for pendulums. No. 1,071,611; Aug. 26; Gaz. vol. 193; p. 960.
- Evans, William C., and R. Clements, Sedalia, Mo. Pulverizing-harrow. No. 1,061,230; May 6; Gaz. vol. 190; p. 229.
- Evans, William J., Linnburg, Iowa. Automobile attachment. No. 1,073,971; Sept. 23; Gaz. vol. 194; p. 885.
- Evans, William L., Jr., Washington, Ind. Joint. No. 1,069,538; Aug. 5; Gaz. vol. 193; p. 155.
- Evans, William L., Jr., Washington, Ind. Device for applying metal clamps. No. 1,069,539; Aug. 5; Gaz. vol. 193; p. 156.
- Evans, William R., Smiths Basin, N. Y. Pipe-wrench. No. 1,074,936; Oct. 7; Gaz. vol. 195; p. 118.
- Evans, William W., Hamilton, Va. Attachment for dental articulators. No. 1,050,933; Jan. 21; Gaz. vol. 186; p. 622.
- Evans, William W., Hamilton, Va. Dental instrument. No. 1,052,806; Feb. 11; Gaz. vol. 187; p. 361.
- Evans, William W., Hamilton, Va., assignor to The S. S. White Dental Manufacturing Company, Philadelphia, Pa. Dental articulator. No. 1,055,894; Mar. 11; Gaz. vol. 188; p. 452.
- Evans, William W., Hamilton, Va., assignor to The S. S. White Dental Manufacturing Company, Philadelphia, Pa. Dental instrument. No. 1,070,123; Aug. 12; Gaz. vol. 193; p. 385.
- Evelyn, Henry C., Chicago, assignor of one-half to M. A. Kern, Watseka, Ill. Automobile-horn. No. 1,059,447; Apr. 22; Gaz. vol. 189; p. 826.
- Evenden, John C., assignor, by mesne assignments, to Klauder-Weldon Dyeing Machine Company, Amsterdam, N. Y. Dyeing-machine. No. 1,065,036; June 17; Gaz. vol. 191; p. 702.
- Evens & Howard Fire Brick Company. (See Robus, Albert J., assignor.)
- Evensen, William, assignor to The Goss Printing Press Company, Chicago, Ill. Printing-press. No. 1,057,134; Mar. 25; Gaz. vol. 188; p. 943.
- Evensen, William, assignor to The Goss Printing Press Company, Chicago, Ill. Chase. No. 1,062,902; May 27; Gaz. vol. 190; p. 908.
- Evenson, Edward B., Colfax, Wis. Plow attachment. No. 1,074,422; Sept. 30; Gaz. vol. 194; p. 1064.
- Evered, Walter M., Duluth, Minn. Lintel-bar. No. 1,051,719; Jan. 28; Gaz. vol. 186; p. 919.
- Everest, Ernest P., Coventry, England. Carbureter for internal-combustion engines. No. 1,080,815; Dec. 9; Gaz. vol. 197; p. 346.
- Everett, Charles J., and J. V. McAdam, New York, N. Y. Machine for washing and drying photographic sheets. No. 1,077,464; Nov. 4; Gaz. vol. 196; p. 79.
- Everett, George, Porterville, Cal. Smoker's pipe. No. 1,056,982; Mar. 25; Gaz. vol. 188; p. 889.
- Everett, Harvey, Lewiston, Idaho. Sign. No. 1,077,514; Nov. 4; Gaz. vol. 196; p. 97.
- Everett, John H. D., Sault Ste. Marie, Mich. Sleeve-board. No. 1,049,469; Jan. 7; Gaz. vol. 186; p. 51.
- Everett, John H. D., Sault Ste. Marie, Mich. Ironing-table. No. 1,058,167; Apr. 8; Gaz. vol. 189; p. 309.
- Everett, John H. D., Sault Ste. Marie, Mich. Folding table. No. 1,063,521; June 3; Gaz. vol. 191; p. 119.
- Everett, Percy, San Antonio, Tex. Race-track. No. 1,052,807; Feb. 11; Gaz. vol. 187; p. 361.
- Everhart, Logan W., Fort Scott, Kans. Incubator. No. 1,058,852; Apr. 15; Gaz. vol. 189; p. 583.
- Everhart, William F. (See Holler and Everhart.)
- Evers, Henry F., assignor of one-half to E. M. Crawford, Clyde, Ohio. Friction-clutch. No. 1,050,207; Jan. 14; Gaz. vol. 186; p. 334.
- Eversen, Sern B., and J. McLarty, Seattle, Wash. Flying-machine. No. 1,054,099; Feb. 25; Gaz. vol. 187; p. 883.
- Everstick Patents Co., The. (See Shook, Floyd D., assignor.)
- Evert, John F., Mendon, Mich. Carpet-sweeper. No. 1,081,375; Dec. 16; Gaz. vol. 197; p. 569.
- Evertts, James P., Sayre, Pa. Vacuum sticker or attaching device. No. 1,065,307; June 17; Gaz. vol. 191; p. 792.
- Evrard, Charles, Little Falls, N. J. Safety extensible clothes-line holder. No. 1,069,540; Aug. 5; Gaz. vol. 193; p. 156.
- Ewart, Arthur F., assignor to Honolulu Iron Works Company, Honolulu, Hawaii. Sugar-cane mill. No. 1,061,535; May 13; Gaz. vol. 190; p. 370.
- Ewbank, James H., Lawrenceburg, Ind. Drafting instrument. No. 1,074,851; Oct. 7; Gaz. vol. 195; p. 89.
- Ewens, Charles. (See Betts and Ewens.)
- Ewert, Herman R., Spooner, Wis. Pipe-coupling device. No. 1,065,515; June 24; Gaz. vol. 191; p. 901.
- Ewing, Frederick, assignor of one-half to M. F. Shay, Buffalo, N. Y. Rope-coupling. No. 1,050,116; Jan. 14; Gaz. vol. 186; p. 305.
- Ewing, George K., and C. R. Farley, Ewington, Ohio. Spring-hub wheel for automobiles. No. 1,055,026; Mar. 4; Gaz. vol. 188; p. 127.
- Ewing, Mary W., and C. B. Glover, Houston, Tex. Street-sweeper. No. 1,069,608; Aug. 5; Gaz. vol. 193; p. 178.
- Ewing, Robert E., Avalon, assignor to Pittsburgh Lamp, Brass & Glass Company, Pittsburgh, Pa. Light-shade. No. 1,061,277; May 13; Gaz. vol. 190; p. 280.
- Ewing, Robert M., Philadelphia, Pa. Locket. No. 1,061,364; May 13; Gaz. vol. 190; p. 309.
- Ewoldt, Henry, assignor of one-fourth to P. J. A. Schnoor, Holstein, Iowa. Fire-extinguisher. No. 1,063,122; May 27; Gaz. vol. 190; p. 980.
- Excelsior Needle Company. (See Dayton, James M., assignor.)
- Excelsior Steel Furnace Company, The. (See Scherer, Albert G., assignor.)
- Exline, Marcus P., Dallas, Tex. Cover for pass-books. No. 1,054,522; Feb. 25; Gaz. vol. 187; p. 1028.
- Exline, Verne. (See Botts, Barnett N., assignor.)
- Extension Step-Ladder and Specialty Co. (See Taylor, Aiken C., assignor.)
- Extensive Manufacturing Company, The. (See Fancher, Charles J., assignor.)
- Eyer, Jacob and W., Toronto, Ontario, Canada. Gas-control cock. No. 1,052,471; Feb. 11; Gaz. vol. 187; p. 247.
- Eyer, Philipp, Halberstadt, Germany. Muffle-kiln. No. 1,051,366; Jan. 21; Gaz. vol. 186; p. 766.
- Eyer, Walter. (See Eyer, Jacob and W.)
- Eyles, Anton G., Cedar Rapids, Iowa. Chair. No. 1,075,636; Oct. 14; Gaz. vol. 195; p. 390.
- Eyles, Anton G., assignor to A. G. Eyles Chair Company, Cedar Rapids, Iowa. Combination couch and bed, &c. No. 1,074,937; Oct. 7; Gaz. vol. 195; p. 119.
- Eynon, Thomas M., Philadelphia, Pa. Deep-sea-sounding mechanism. No. 1,052,411; Feb. 4; Gaz. vol. 187; p. 193.
- Eynon, Thomas M., Philadelphia, Pa. Method and apparatus for testing gas mixtures. No. 1,052,412; Feb. 4; Gaz. vol. 187; p. 194.
- Eynon, William D., Philadelphia, Pa. Apparatus for rolling tapered axles. No. 1,069,869; Aug. 12; Gaz. vol. 193; p. 300.
- Eynon, William H., Cleveland, Ohio. Armored hose. No. 1,068,491; July 29; Gaz. vol. 192; p. 1026.
- Eyton, Charles F. (See Hulburd, Charles P., assignor.)
- F. Bissell Company, The. (See Alexander, Louis A., assignor.)
- F. Rassmann Mfg. Co. (See Rassmann, Hugo C., assignor.)
- F. Schmidt Dampfkesselfabrik, Zweigniederlassung der Sangerhäuser Aktien-Maschinenfabrik u. Eisengiesserei vormals Hornung & Rabe. (See Kröger, Heinrich, assignor.)
- F. Wesel Manufacturing Company. (See Erb, Edmund M., assignor.)
- F. Wesel Manufacturing Company. (See Rockstroh, Charles F., Jr., assignor.)
- F. Wesel Manufacturing Company. (See Weston, Folke W., assignor.)
- F. Wesel Manufacturing Company. (See Winter, Hermann, assignor.)
- F. A. Hardy & Company. (See Lorenz, Franz, assignor.)
- F. A. Hardy Company. (See Pixley, Charles H., assignor.)
- F. A. Hardy and Company. (See Troppman, Charles J., assignor.)
- F. A. Whitney Carriage Co. (See Andrews, John W. R., assignor.)
- F. B. Shuster Co., The. (See Hemming, Otto L., assignor.)
- F. B. Shuster Company. (See Shuster, Franklin B., assignor.)
- F. B. Zieg Manufacturing Company, The. (See Zieg, Frank B., assignor.)
- F. F. Slocomb & Co. (See Slocomb, Charles E., assignor.)
- F. H. Smith Manufacturing Company. (See Sassemann, David C., assignor.)
- F. J. Dean Manufacturing Company. (See Dean, Francis J., assignor.)
- F. L. Smidth & Co. (See Schäffer, Axel, assignor.)
- F. I. A. T. (See Agnelli, Giovanni, assignor.)
- F. I. A. T. (See Fornaca, Guido, assignor.)
- F. I. A. T. (See Schaaf, Albert E., assignor.)
- F. I. A. T. (See Woodbridge, James E., assignor.)
- F. N. Burt Company. (See Holly, Carlos, assignor.)

Alphabetical list of patentees—Continued.

- F. N. Burt Company Limited. (See Miller, John J., assignor.)
- F. N. Burt Company, The. (See Palmer, Lyndon Co., assignor.)
- F. O. Hillfiker Co. (See Hillfiker, Frederick O., assignor.)
- F. O. Motor Washer Company, The. (See Frank, William V., assignor.)
- F. P. Motor Wagon Company. (See Price, William C., assignor.)
- F. W. Klinger & Langbein Co. (See Langbein, Gustave, assignor.)
- F. W. Wakefield Brass Company, The. (See Wakefield, Frederick W., assignor.)
- Faber, Christian C. (See Faber, William J., assignor.)
- Faber & Co., M. (See Matitsch, August, assignor.)
- Faber, Eberhard, New York, assignor to Eberhard Faber Pencil Company, Brooklyn, N. Y. Eraser. No. 1,067,012; July 8; Gaz. vol. 192; p. 413.
- Faber, William J., Oneida, assignor of one-half to C. C. Faber, Brooklyn, N. Y. Resilient wheel. No. 1,055,895; Mar. 11; Gaz. vol. 188; p. 453.
- Faber, William M., Cleveland, Ohio, assignor to The American Steel & Wire Company of New Jersey, Hoboken, N. J. Centrifugal steam-engine governor mechanism. No. 1,057,718; Apr. 1; Gaz. vol. 189; p. 110.
- Fabrin, Thomas A., Aurora, Ill. Door-operating device. No. 1,075,095; Oct. 7; Gaz. vol. 195; p. 174.
- Fachs, Henry, New York, N. Y. Coin-operated mechanism. No. 1,080,626; Dec. 9; Gaz. vol. 197; p. 277.
- Facile Window Company, The. (See Hausmann, Bernard, assignor.)
- Fadden, James D., Auburn, assignor to himself, and W. J. Mahaney, Lewiston, Me. Collapsible last. No. 1,071,901; Sept. 2; Gaz. vol. 194; p. 81.
- Faehrmann, Hermann, New York, N. Y. Propeller. No. 1,073,413; Sept. 16; Gaz. vol. 194; p. 672.
- Faessler, Charles A., assignor to J. B. Porter, Buffalo, N. Y. Pneumatic tool. No. 1,054,343; Feb. 25; Gaz. vol. 187; p. 967.
- Faessler, John W., Moberly, Mo. Mandrel-extractor for boiler tube or flue expanders. No. 1,053,372; Feb. 18; Gaz. vol. 187; p. 599.
- Faessler, John W., Moberly, Mo. Mandrel-extractor for boiler tube or flue expanders. No. 1,053,373; Feb. 18; Gaz. vol. 187; p. 600.
- Fagerberg, Frank, Lindsborg, assignor of one-fourth to E. T. Nygren and one-fourth to A. F. Nygren, Bridgeport, Kans. Engine-primer. No. 1,081,900; Dec. 16; Gaz. vol. 197; p. 742.
- Fagerlund, Erik A., assignor to H. T. Tillquist, Stockholm, Sweden. Automatic circuit-breaker. No. 1,058,570; Apr. 8; Gaz. vol. 189; p. 447.
- Fagerstrom, Simon E., Chicago, Ill. Sheet-metal door. No. 1,064,201; June 10; Gaz. vol. 191; p. 389.
- Fagerstrom, Victor A., Rockford, Ill. Combined and convertible wrench and tool. No. 1,049,349; Jan. 7; Gaz. vol. 186; p. 11.
- Fagot, Peter J., Benson, Ill. Removable tongue. No. 1,069,609; Aug. 5; Gaz. vol. 193; p. 179.
- Faherty, Patrick G., Munhall, Pa. Reversing furnace. No. 1,069,402; Aug. 5; Gaz. vol. 193; p. 110.
- Faherty, Patrick G., Munhall, Pa. Cleaning reversing furnaces. No. 1,069,657; Aug. 5; Gaz. vol. 193; p. 195.
- Fahnestock Electric Company. (See Schade, John, Jr., assignor.)
- Fahrney, Emery H., Chicago, Ill. Device for securing together sheet-piling, &c. No. 1,059,722; Apr. 22; Gaz. vol. 189; p. 916.
- Fahrney, William H., Chicago, Ill. Spring vehicle-wheel. No. 1,056,521; Mar. 18; Gaz. vol. 188; p. 702.
- Fahrney, William H., Chicago, Ill. Spring vehicle-wheel. No. 1,066,191; July 1; Gaz. vol. 192; p. 103.
- Fahrney, William H., Chicago, Ill. Spring vehicle-wheel. No. 1,075,637; Oct. 14; Gaz. vol. 195; p. 390.
- Faile, Edward H., New York, N. Y. Electric-cable connector. No. 1,056,651; Mar. 18; Gaz. vol. 188; p. 745.
- Failing, Archie S., Utica, N. Y. Float-valve mechanism. No. 1,067,102; July 8; Gaz. vol. 192; p. 443.
- Fair, George A., Los Angeles, Cal. Window-ventilator. No. 1,054,523; Feb. 25; Gaz. vol. 187; p. 1028.
- Fair, George W., Butler, Pa. Device for pulling tubes. No. 1,070,124; Aug. 12; Gaz. vol. 193; p. 385.
- Fair, John H., assignor of two-thirds to H. G. Green and A. H. Hancox, Chicago, Ill. Obtaining cellulose from vegetable substances. No. 1,053,125; Feb. 11; Gaz. vol. 187; p. 471.
- Fairall, Harry K., J. D. Boley, and J. M. Cleghorn, Highland, Cal. Orchard-heater. No. 1,080,816; Dec. 9; Gaz. vol. 197; p. 346.
- Fairbanks, Ephraim W., Seattle, Wash. Wave and current motor. No. 1,067,722; July 15; Gaz. vol. 192; p. 692.
- Fairbanks, James G., Marion, Ohio. Excavating apparatus. No. 1,056,268; Mar. 18; Gaz. vol. 188; p. 614.
- Fairbanks, Jesse L., Marion, Ohio. Excavator. No. 1,078,842; Nov. 18; Gaz. vol. 196; p. 616.
- Fairbanks-Morse Electrical Manufacturing Company. (See Ashley, George T., assignor.)
- Fairbanks-Morse Electrical Manufacturing Company. (See Barr, John M., assignor.)
- Fairbrother, George E., Brooklyn, assignor of one-half to E. H. Schmoeger, New York, N. Y. Curtin-support. No. 1,053,586; Feb. 18; Gaz. vol. 187; p. 674.
- Fairburn, William A., Short Hills, N. J., assignor to The Diamond Match Company, Chicago, Ill. Match. No. 1,067,326; July 15; Gaz. vol. 192; p. 558.
- Fairburn, William A., Short Hills, N. J., assignor to The Diamond Match Company, Chicago, Ill. Material for match-striking surfaces. No. 1,070,023; Aug. 12; Gaz. vol. 193; p. 351.
- Fairburn, William A., Short Hills, N. J., assignor to The Diamond Match Company, Chicago, Ill. Treating match-splints. No. 1,070,024; Aug. 12; Gaz. vol. 193; p. 351.
- Fairburn, William A., Short Hills, N. J., assignor to The Diamond Match Company, Chicago, Ill. Treating match-splints. No. 1,070,025; Aug. 12; Gaz. vol. 193; p. 352.
- Fairburn, William A., Short Hills, N. J., assignor to The Diamond Match Company, Chicago, Ill. Treating match-splints. No. 1,070,026; Aug. 12; Gaz. vol. 193; p. 352.
- Fairburn, William A., Short Hills, N. J., assignor to The Diamond Match Company, Chicago, Ill. Treating match-splint material. No. 1,079,119; Nov. 18; Gaz. vol. 196; p. 712.
- Fairburn, William A., Short Hills, N. J., F. V. D. Cruser and W. Green, Barberton, Ohio, assignors to The Diamond Match Company, Chicago, Ill. Treating match-splints. (Reissue.) No. 13,636; Oct. 28; Gaz. vol. 195; p. 1024.
- Fairchild, Albert S. (See Schrey, Robert W., assignor.)
- Fairchild, Tracy B. (See Tetrault and Fairchild.)
- Fairchild, William, Albany, N. Y. Spool. No. 1,073,110; Sept. 16; Gaz. vol. 194; p. 564.
- Fairfield, Alexander, assignor of one-half to J. B. Weeks, Harrisville, N. Y. Apparatus for tapping water-mains under pressure. No. 1,081,223; Dec. 9; Gaz. vol. 197; p. 479.
- Fairfield, Jerome C., Cambridge, Mass. Folding bolster. No. 1,076,651; Oct. 21; Gaz. vol. 195; p. 769.
- Fairhurst, William S., New York, N. Y. Air-compressor. No. 1,057,135; Mar. 25; Gaz. vol. 188; p. 943.
- Fairhurst, William S., New York, N. Y. Valve mechanism for air-compressors. No. 1,073,337; Sept. 16; Gaz. vol. 194; p. 645.
- Fairhurst, William S., New York, N. Y. Valve. No. 1,073,338; Sept. 16; Gaz. vol. 194; p. 645.
- Fairmont Mining Machinery Company. (See Huhn, John H., assignor.)
- Fairmount Electric and Manufacturing Company, The. (See Vogel, John C., assignor.) (Reissue.)
- Fairweather, Charles B., assignor to J. S. and W. P. Worth, Coatesville, Pa. Railway-tie. No. 1,072,932; Sept. 9; Gaz. vol. 194; p. 465.
- Faissole, Charles A. (See Voggenreiter, Louis, assignor.)
- Faitelowitz, Arnold, Halensee, near Berlin, Germany. Milk-testing apparatus. No. 1,059,289; Apr. 15; Gaz. vol. 189; p. 734.
- Faith, Harry E., Brave, Pa. Nut-lock. No. 1,070,125; Aug. 12; Gaz. vol. 193; p. 386.
- Fajans, Julius. (See Kohn, Sigmund F., assignor.)
- Falasca, Joseph, Yonkers, assignor of one-half to L. Maresca, New York, N. Y. Non-refillable bottle. No. 1,053,587; Feb. 18; Gaz. vol. 187; p. 674.
- Falato, Flavio, and A. Abate, Paterson, N. J. Combination-lock. No. 1,052,472; Feb. 11; Gaz. vol. 187; p. 248.
- Falchi, Giovanni, Biella, Italy. Drying apparatus for alimentary pastes. No. 1,050,117; Jan. 14; Gaz. vol. 186; p. 305.
- Falchi, Giovanni, Marseille, France. Drying plant. No. 1,079,547; Nov. 25; Gaz. vol. 196; p. 887.
- Fales, Edward D., La Grange, assignor to Automatic Electric Company, Chicago, Ill. Telephone trunking system. No. 1,064,719; June 17; Gaz. vol. 191; p. 600.
- Fales & Jenks Machine Co. (See Foster, Charles S., assignor.)
- Fales, Lewis F., Walpole, Mass. Mixing-machine. No. 1,050,726; Jan. 14; Gaz. vol. 186; p. 511.
- Falk, Colonel N., assignor of one-half to J. W. Batdorf, San Jose, Cal. Advertising device. No. 1,061,601; May 13; Gaz. vol. 190; p. 394.
- Falk, David B., Savannah, Ga. Garment-bag. No. 1,070,790; Aug. 19; Gaz. vol. 193; p. 655.
- Falk, Hilbert L., assignor to Falk McMahon Wireless Telegraph and Telephone Company, Ltd. of Louisiana, New Orleans, La. Aerial for wireless-telegraph systems. No. 1,063,671; June 3; Gaz. vol. 191; p. 175.
- Falk, Isaac, New York, N. Y. Push-pin. No. 1,066,095; July 1; Gaz. vol. 192; p. 67.
- Falk, John L., Spokane, Wash. Crimping-pliers. No. 1,066,804; July 8; Gaz. vol. 192; p. 344.
- Falk McMahon Wireless Telegraph and Telephone Company, Ltd. of Louisiana. (See Falk, Hilbert L., assignor.)
- Falkenberg, Bjarne, assignor to Pacific Electric Heating Company, Ontario, Cal. Electric heating unit. No. 1,067,869; July 22; Gaz. vol. 192; p. 775.
- Falkenburg, Bjarne, Ontario, Cal. Heating unit. No. 1,065,037; June 17; Gaz. vol. 191; p. 703.
- Falkenstein, Louis D., Elkhart, Ind. Fountain-brush. No. 1,083,071; Dec. 30; Gaz. vol. 197; p. 1207.

Alphabetical list of patentees—Continued.

- Falker, Henry W., Ashland, Pa. Ore and coal washer. No. 1,055,730; Mar. 11; Gaz. vol. 188; p. 396.
- Falker, Henry W., Ashland, Pa. Coal and ore washer. No. 1,055,731; Mar. 11; Gaz. vol. 188; p. 396.
- Fallek, Nathan, assignor to The Cook Railway Signal Company, Denver, Colo. Rectifier compound. No. 1,056,327; Mar. 18; Gaz. vol. 188; p. 632.
- Fallek, Nathan, assignor to The Cook Railway Signal Company, Denver, Colo. Storage-battery compound. No. 1,060,832; May 6; Gaz. vol. 190; p. 92.
- Faller, Charles H. (See Trauth, Walter, assignor.)
- Faller, Ernest A., assignor to K. O. Chisholm, New York, N. Y. Method of and apparatus for electric welding. No. 1,077,953; Nov. 4; Gaz. vol. 196; p. 245.
- Fallows, Edward H. (See Dragoo, Robert E., assignor.)
- Falls, Charles H., Nashua, Iowa. Bridge-bit. No. 1,060,240; Apr. 29; Gaz. vol. 189; p. 1132.
- Falls, Edward H. (See Greggs and Falls.)
- Falvey, Daniel E., Detroit, Mich. Portable turn-table for railways. No. 1,068,492; July 29; Gaz. vol. 192; p. 1026.
- Fancher, Charles J., Thompsonville, Conn., assignor to The Extensive Manufacturing Company, New York, N. Y. Feeding mechanism. No. 1,074,703; Oct. 7; Gaz. vol. 195; p. 41.
- Fancher, Charles J., Thompsonville, Conn., assignor to The Extensive Manufacturing Company, New York, N. Y. Feeding mechanism. No. 1,077,266; Nov. 4; Gaz. vol. 196; p. 8.
- Fancher, Charles J., Thompsonville, Conn., assignor to The Extensive Manufacturing Company, New York, N. Y. Stamp-officer. No. 1,077,954; Nov. 4; Gaz. vol. 196; p. 245.
- Fanfani, Joseph, New York, N. Y. Envelop. No. 1,076,966; Oct. 28; Gaz. vol. 195; p. 933.
- Fanger, John A., Kalida, Ohio. Beet-harvester. No. 1,072,218; Sept. 2; Gaz. vol. 194; p. 186.
- Fankboner, Harland. (See Dresser and Fankboner.)
- Fanning, Charles E., assignor, by mesne assignments, to F. Wernentin, Jr., Davenport, Iowa. Vending-machine. No. 1,062,231; May 20; Gaz. vol. 190; p. 645.
- Fanning, Fred, Woodland, Ill. Vending-machine. No. 1,052,331; Feb. 4; Gaz. vol. 187; p. 165.
- Fanning, Luther J., Seely Creek, N. Y. Screw-operating mechanism. No. 1,077,465; Nov. 4; Gaz. vol. 196; p. 79.
- Fanning, Sam H., assignor of one-half to H. Frady, Dallas, Tex. Educational device. No. 1,077,515; Nov. 4; Gaz. vol. 196; p. 97.
- Fanning, Walter F., Providence, R. I. Respirator. No. 1,079,227; Nov. 18; Gaz. vol. 196; p. 748.
- Fanslow, Benjamin O., Los Angeles, Cal., assignor, by mesne assignments, to Polygraph Duplicating Typewriter Company. Machine for setting and distributing printing-type. No. 1,076,029; Oct. 21; Gaz. vol. 195; p. 551.
- Fanta, Lena K., Chicago, Ill. Infant's undergarment. No. 1,050,934; Jan. 21; Gaz. vol. 186; p. 622.
- Farbenfabriken vorm. Friedr. Bayer & Co. (See Bauer, Herre, and Mayer, assignors.)
- Farbenfabriken vorm. Friedr. Bayer & Co. (See Bergdolt, Wilhelm, assignor.)
- Farbenfabriken vorm. Friedr. Bayer & Co. (See Blank, August, assignor.)
- Farbenfabriken vorm. Friedr. Bayer & Co. (See Blank and Bergdolt, assignors.)
- Farbenfabriken vorm. Friedr. Bayer & Co. (See Blank and Heidenreich, assignors.)
- Farbenfabriken vorm. Friedr. Bayer & Co. (See Blank, Heidenreich, and Jansen, assignors.)
- Farbenfabriken vorm. Friedr. Bayer & Co. (See Clingenstein, Heinrich, assignor.)
- Farbenfabriken vorm. Friedr. Bayer & Co. (See Coutelle, Carl, assignor.)
- Farbenfabriken vorm. Friedr. Bayer & Co. (See Decker, Herman, assignor.)
- Farbenfabriken vorm. Friedr. Bayer & Co. (See Delbrück and Meisenburg, assignors.)
- Farbenfabriken vorm. Friedr. Bayer & Co. (See Desamari, Kurt, assignor.)
- Farbenfabriken vorm. Friedr. Bayer & Co. (See Desamari, Günther, Schweitzer, and Zart, assignors.)
- Farbenfabriken vorm. Friedr. Bayer & Co. (See Desamari and Zart, assignors.)
- Farbenfabriken vorm. Friedr. Bayer & Co. (See Dietz and Gofferje, assignors.)
- Farbenfabriken vorm. Friedr. Bayer & Co. (See Engelmann, Max, assignor.)
- Farbenfabriken vorm. Friedr. Bayer & Co. (See Fischer, Emil, assignor.)
- Farbenfabriken vorm. Friedr. Bayer & Co. (See Fischer, Richard, assignor.)
- Farbenfabriken vorm. Friedr. Bayer & Co. (See Flachs-laender, Gräler, and Buff, assignors.)
- Farbenfabriken vorm. Friedr. Bayer & Co. (See Friedmann, Hermann, assignor.)
- Farbenfabriken vorm. Friedr. Bayer & Co. (See Gattermann, Ludwig, assignor.)
- Farbenfabriken vorm. Friedr. Bayer & Co. (See Gottlob, Kurt, assignor.)
- Farbenfabriken vorm. Friedr. Bayer & Co. (See Grüter, Reinhold, assignor.)
- Farbenfabriken vorm. Friedr. Bayer & Co. (See Günther, Oscar, assignor.)
- Farbenfabriken vorm. Friedr. Bayer & Co. (See Hamburger, Alexander, assignor.)
- Farbenfabriken vorm. Friedr. Bayer & Co. (See Harries, Carl, assignor.)
- Farbenfabriken vorm. Friedr. Bayer & Co. (See Hauptmann, Peter, assignor.)
- Farbenfabriken vorm. Friedr. Bayer & Co. (See Hesse, Leopold, assignor.)
- Farbenfabriken vorm. Friedr. Bayer & Co. (See Hiemenz and Kropp, assignors.)
- Farbenfabriken vorm. Friedr. Bayer & Co. (See Hiemenz and Taub, assignors.)
- Farbenfabriken vorm. Friedr. Bayer & Co. (See Hoerlein, Heinrich, assignor.)
- Farbenfabriken vorm. Friedr. Bayer & Co. (See Hofmann and Coutelle, assignors.)
- Farbenfabriken vorm. Friedr. Bayer & Co. (See Hofmann, Coutelle, Meisenburg, and Delbrück, assignors.)
- Farbenfabriken vorm. Friedr. Bayer & Co. (See Hofmann, Coutelle, and Tank, assignors.)
- Farbenfabriken vorm. Friedr. Bayer & Co. (See Hofmann and Delbrück, assignors.)
- Farbenfabriken vorm. Friedr. Bayer & Co. (See Hofmann, Delbrück, and Meisenburg, assignors.)
- Farbenfabriken vorm. Friedr. Bayer & Co. (See Holste, Georg, assignor.)
- Farbenfabriken vorm. Friedr. Bayer & Co. (See Hörlein and Kropp, assignors.)
- Farbenfabriken vorm. Friedr. Bayer & Co. (See Jonas and Tschunkur, assignors.)
- Farbenfabriken vorm. Friedr. Bayer & Co. (See Kahn and Ossenbeck, assignors.)
- Farbenfabriken vorm. Friedr. Bayer & Co. (See Linden, Meissen, and Strauss, assignors.)
- Farbenfabriken vorm. Friedr. Bayer & Co. (See Meckbach, Ernst, assignor.)
- Farbenfabriken vorm. Friedr. Bayer & Co. (See Merling and Köhler, assignors.)
- Farbenfabriken vorm. Friedr. Bayer & Co. (See Möllenhoff, Carl, assignor.)
- Farbenfabriken vorm. Friedr. Bayer & Co. (See Schoeller and Schrauth, assignors.)
- Farbenfabriken vorm. Friedr. Bayer & Co. (See Schweitzer and Zart, assignors.) (Reissue.)
- Farbenfabriken vorm. Friedr. Bayer & Co. (See Stern, Max, assignor.)
- Farbenfabriken vorm. Friedr. Bayer & Co. (See Taub, Ludwig, assignor.)
- Farbenfabriken vorm. Friedr. Bayer & Co. (See Thaus, Alfred, assignor.)
- Farbenfabriken vorm. Friedr. Bayer & Co. (See Thomaschewski, Paul, assignor.)
- Farbenfabriken vorm. Friedr. Bayer & Co. (See Vagt, August, assignor.)
- Farbenfabriken vorm. Friedr. Bayer & Co. (See Weiler, Max, assignor.)
- Farbenfabriken vorm. Friedr. Bayer & Co. (See Zart and Desamari, assignors.)
- Färber, Richard, assignor to Buchheim & Heister, Frankfurt-on-the-Main, Germany. Apparatus for testing concrete and the like. No. 1,061,996; May 20; Gaz. vol. 190; p. 564.
- Farberei & Appreturgesellschaft vormals A. Clavel & Fritz Lindenmeyer. (See Clavel, Alexander, assignor.)
- Farbwerke vorm. Meister Lucius & Brüning. (See Benda, Ludwig, assignor.)
- Farbwerke vorm. Meister Lucius & Brüning. (See Berger, Waldemar, assignor.)
- Farbwerke vorm. Meister Lucius & Brüning. (See Bockmühl and Ebert, assignors.)
- Farbwerke vorm. Meister Lucius & Brüning. (See Ehrlich and Bertheim, assignors.)
- Farbwerke vorm. Meister Lucius & Brüning. (See Ehrlich and Reuter, assignors.)
- Farbwerke vorm. Meister Lucius & Brüning. (See Franz, Kuno, assignor.)
- Farbwerke vorm. Meister Lucius & Brüning. (See Fussgänger, Victor, assignor.)
- Farbwerke vorm. Meister Lucius & Brüning. (See Hepp, Uhlenhuth, and Roemer, assignors.)
- Farbwerke vorm. Meister Lucius & Brüning. (See Kircher, Adolf, assignor.)
- Farbwerke vorm. Meister Lucius & Brüning. (See Korn-dörfer and Reuter, assignors.)
- Farbwerke vorm. Meister Lucius & Brüning. (See Luther and Müller, assignors.)
- Farbwerke vorm. Meister Lucius & Brüning. (See Maag and Jörg, assignors.)
- Farbwerke vorm. Meister Lucius & Brüning. (See Moest and Berneck, assignors.)
- Farbwerke vorm. Meister Lucius & Brüning. (See Moest, Berneck, and Opl, assignors.)
- Farbwerke vorm. Meister Lucius & Brüning. (See Ruppel, Wilhelm, assignor.)
- Farbwerke vorm. Meister Lucius & Brüning. (See Schirmacher and Elvert, assignors.)

Alphabetical list of patentees—Continued.

- Farbwerke vorm. Meister Lucius & Brüning. (See Schmidlin, Robert, assignor.)
 Farbwerke vorm. Meister Lucius & Brüning. (See Schmidt, Albrecht, assignor.)
 Farbwerke vorm. Meister Lucius & Brüning. (See Schmidt and Kranzlein, assignors.)
 Farbwerke vorm. Meister Lucius & Brüning. (See Schmidt and Steindorff, assignors.)
 Farbwerke vorm. Meister Lucius & Brüning. (See Schmidt and Thiess, assignors.)
 Farbwerke vorm. Meister Lucius & Brüning. (See Schwabe, Rudolf, assignor.)
 Farbwerke vorm. Meister Lucius & Brüning. (See Stock, August, assignor.)
 Farbwerke vorm. Meister Lucius & Brüning. (See Stock and Heim, assignors.)
 Farbwerke vorm. Meister Lucius & Brüning. (See Stolz, Friedrich, assignor.)
 Farbwerke vorm. Meister Lucius & Brüning. (See Wagner, Hermann, assignor.)
 Farbwerke vorm. Meister Lucius & Brüning. (See Wagner and Kohlhaas, assignors.)
 Farbwerke vorm. Meister Lucius & Brüning. (See Wugk, Ernst, assignor.)
 Farez, Christ G., New York, N. Y. Safety gas-burner. No. 1,077,955; Nov. 4; Gaz. vol. 196; p. 246.
 Fargo, Frank F., Portland, Ore. Combination vehicle-track and curbstone. No. 1,073,669; Sept. 23; Gaz. vol. 194; p. 782.
 Farina, Emilio, Genoa, Italy. Spring-wheel. No. 1,068,874; July 29; Gaz. vol. 192; p. 1161.
 Faris, Philip T., and D. A. Newhall, Berwind, W. Va. Car-door. No. 1,059,532; Apr. 22; Gaz. vol. 189; p. 855.
 Farkas, Karl. (See Brinckmann, Georg, assignor.)
 Farkas, Karl, assignor of one-half to G. V. Williams, New York, N. Y. Producing fine tungstous oxids. No. 1,061,058; May 6; Gaz. vol. 190; p. 173.
 Farley, Colby R. (See Ewing and Farley.)
 Farley, David F. (See Farley, John W., M. S., and D. F.)
 Farley, Ernest P., and J. L. Rifer, Portland, Ore. Re-leasing door-hanger. No. 1,056,014; Mar. 18; Gaz. vol. 188; p. 527.
 Farley, John, Liscard, England. Advertising appliance. No. 1,058,853; Apr. 15; Gaz. vol. 189; p. 583.
 Farley, John W., M. S., and D. F., Cleveland, Ohio. Ceiling-sleeve for fluid-pipes. No. 1,060,328; Apr. 29; Gaz. vol. 189; p. 1165.
 Farley, Matilda S. (See Farley, John W., M. S., and D. F.)
 Farlinger, George E., assignor to Anguish Manufacturing Company, Detroit, Mich. Radiator. No. 1,076,203; Oct. 21; Gaz. vol. 195; p. 609.
 Farmer, Alfred, assignor to Thomas De La Rue & Company, Limited, London, England. Fountain-pen. No. 1,079,228; Nov. 18; Gaz. vol. 196; p. 748.
 Farmer, Clyde C., Chicago, Ill., assignor to The Westinghouse Air Brake Company, Pittsburgh, Pa. Synchronous pressure-controlling device. No. 1,057,481; Apr. 1; Gaz. vol. 189; p. 29.
 Farmer, Emmett D. (See Phillips, Charles R., assignor.)
 Farmer, Luke W., Somerville, Mass. Paper receptacle. No. 1,082,686; Dec. 30; Gaz. vol. 197; p. 1076.
 Farmer, Luke W., Somerville, Mass. Flanging device for paper drinking-cups. No. 1,082,687; Dec. 30; Gaz. vol. 197; p. 1076.
 Farmer, Thomas, Jr., New York, N. Y., assignor to Railway Improvement Company. Hanger-strap for cars. No. 1,065,930; July 1; Gaz. vol. 192; p. 8.
 Farmer, Thomas, Jr., assignor to Consolidated Car-Heating Company, Albany, N. Y. Thermostatic controlling apparatus for heating systems. No. 1,072,707; Sept. 9; Gaz. vol. 194; p. 383.
 Farmer, Thomas, Jr., assignor to Consolidated Car Heating Company, Albany, N. Y. Electromagnetic control of pneumatic door-motors. No. 1,075,704; Oct. 14; Gaz. vol. 195; p. 411.
 Farmer, Thomas B., Baltimore, Md. Protected-cable-terminal box for telephone systems. No. 1,078,843; Nov. 18; Gaz. vol. 196; p. 616.
 Farmer, William F., Cloverdale, Ind. Acetylene-gas generator. No. 1,058,228; Apr. 8; Gaz. vol. 189; p. 330.
 Farmers Loan and Trust Company, The, executor. (See Kinney, Francis S.)
 Farnam, Julian P. (See McConville and Farnam.)
 Farnam, Julian P., Minneapolis, Minn., assignor, by mesne assignments, to Emerson-Brantingham Company, Rockford, Ill. Lubricating system for gas-engines. No. 1,077,823; Nov. 4; Gaz. vol. 196; p. 199.
 Farnham, Bion B., Kenmore, N. Y. Ball-bearing flanged trolley-wheel. No. 1,063,522; June 3; Gaz. vol. 191; p. 119.
 Farnham, Frank E., Providence, R. I. Manufacture of gem-settings. No. 1,050,935; Jan. 21; Gaz. vol. 186; p. 622.
 Farnham, Fred E., Rumford, Me. Bag-counter for bag-making machines. No. 1,057,629; Apr. 1; Gaz. vol. 189; p. 79.
 Farnham, Jeremiah N., Rockland, Me. Ladder attachment. No. 1,066,892; July 8; Gaz. vol. 192; p. 373.
 Farnham, Reginald V., Skelmerie, assignor to Farnham's Patents Limited, Glasgow, Scotland. Gas-producer. (Reissue.) No. 13,578; June 17; Gaz. vol. 191; p. 802.
 Farnham, Stephen H., A. W. Smith, New York, N. Y., and J. Phelps, Belleville, N. J., assignors, by mesne assignments, to Remington Typewriter Company, Ilion, N. Y. Type-writing machine. No. 1,071,612; Aug. 26; Gaz. vol. 193; p. 961.
 Farnham, Stephen H., A. W. Smith, New York, N. Y., and J. Phelps, Belleville, N. J., assignors to Remington Typewriter Company, Ilion, N. Y. Type-writing machine. No. 1,073,577; Sept. 16; Gaz. vol. 194; p. 727.
 Farnham's Patents Limited. (See Farnham, Reginald V., assignor.) (Reissue.)
 Farnsworth, Clinton I. (See Farnsworth, Emerson W., assignor.)
 Farnsworth, Emerson W., assignor of one-half to C. I. Farnsworth, Buckhannon, W. Va. Adjustable hat-shape retainer. No. 1,052,659; Feb. 11; Gaz. vol. 187; p. 311.
 Farnsworth, Minnie S., Pasadena, Cal. Adjustable bed. No. 1,057,719; Apr. 1; Gaz. vol. 189; p. 110.
 Farnsworth, Willis S., assignor to Coin Controlled Lock Co., Petaluma, Cal. Safety-locker. No. 1,060,241; Apr. 29; Gaz. vol. 189; p. 1132.
 Farnsworth, Willis S., assignor to Coin Controlled Lock Co., San Francisco, Cal. Coin-controlled lock. No. 1,076,822; Oct. 28; Gaz. vol. 195; p. 881.
 Farnum, Dwight, Denver, Colo., assignor of one-half to C. M. Tyler, Boston, Mass. Puzzle. No. 1,061,903; May 13; Gaz. vol. 190; p. 490.
 Farnum, William C., Fitchburg, Mass., assignor to U. S. Bobbin & Shuttle Company, Providence, R. I. Feeding mechanism for boring-machines. No. 1,071,305; Aug. 26; Gaz. vol. 193; p. 859.
 Farnum, William C., assignor of one-half to H. E. and C. F. Cowdrey, Fitchburg, Mass. Handle-turning machine. No. 1,075,245; Oct. 7; Gaz. vol. 195; p. 226.
 Farquhar, James F. M., Boston, Mass. Greenhouse construction. No. 1,070,434; Aug. 19; Gaz. vol. 193; p. 534.
 Farquhar, Milton J., Wilmington, Ohio. Radiator. No. 1,067,418; July 15; Gaz. vol. 192; p. 589.
 Farquhar, Milton J., Wilmington, Ohio. Fireplace-furnace. No. 1,075,909; Oct. 14; Gaz. vol. 195; p. 481.
 Farr, Ernest W., et al. (See Perrine, William E., assignor.)
 Farr, Frederick G., assignor to E. B. Cadwell & Company, Detroit, Mich. Fuel-supply tank. No. 1,065,435; June 24; Gaz. vol. 191; p. 875.
 Farr, Ira E., Great Bend, assignor of one-half to J. V. Baron, Watertown, N. Y. Oil-box. No. 1,050,266; Jan. 14; Gaz. vol. 186; p. 355.
 Farr, Joseph, St. Catharines, Ontario, Canada. Door-fastener. No. 1,054,100; Feb. 25; Gaz. vol. 187; p. 883.
 Farrand, Albert C., Atlantic City, N. J., assignor of one-half to F. C. Stover, Chicago, Ill. Fire-fighting apparatus. No. 1,081,224; Dec. 9; Gaz. vol. 197; p. 479.
 Farrar, Ernest C. (See Rodkey and Farrar.)
 Farrar, Robert K. (See Rodkey and Farrar, assignors.)
 Farrar, Russell B., Glendale, and B. C. Leighton, Los Angeles, Cal. Lemon-grader. No. 1,062,775; May 27; Gaz. vol. 190; p. 865.
 Farrar, Walter T., Louisville, Ky. Tooth-brush. No. 1,063,523; June 3; Gaz. vol. 191; p. 119.
 Farrell, James E., New York, N. Y. Thread holder and cutter. No. 1,050,118; Jan. 14; Gaz. vol. 186; p. 305.
 Farrell, William E., Little Rock, Ark. Belt-tightener. No. 1,077,339; Nov. 4; Gaz. vol. 196; p. 34.
 Farrell, William T. (See Algermissen, Henry L., assignor.)
 Farrer, Charles S., Dunmore, Pa. Slate-picker. No. 1,058,854; Apr. 15; Gaz. vol. 189; p. 584.
 Farrer, Charles S., Dunmore, Pa. Feed-gate for slate-picking machines. No. 1,068,117; July 22; Gaz. vol. 192; p. 857.
 Farrington, Joel, assignor to M. E. Sheldon, Springboro, Pa. Shears. No. 1,076,667; Oct. 28; Gaz. vol. 195; p. 826.
 Farrington, Thayer B., Columbus, Ohio. Valve for engines. No. 1,079,643; Nov. 25; Gaz. vol. 196; p. 920.
 Farris, A. B., et al. (See Driscoll, Spurgeon E., assignor.)
 Farris, Maurice E. (See Cornett, Barney T., assignor.)
 Farris, Maurice E., Shouns, Tenn. Penholder. No. 1,077,824; Nov. 4; Gaz. vol. 196; p. 200.
 Farrow, Willard M., Washington, D. C. Gun-sight. No. 1,057,048; Mar. 25; Gaz. vol. 188; p. 912.
 Farthing, David J., Butler, Tenn. Harrow. No. 1,070,332; Aug. 12; Gaz. vol. 193; p. 457.
 Farwell, Fay O., Dubuque, Iowa. Molding-machine. No. 1,059,448; Apr. 22; Gaz. vol. 189; p. 826.
 Farwell, Phillip, Sunapee, N. H. Clutch. No. 1,080,817; Dec. 9; Gaz. vol. 197; p. 347.
 Farwell, Pulaski, Lake Mills, Wis. Door-hasp. No. 1,082,938; Dec. 30; Gaz. vol. 197; p. 1163.
 Fash, James H., Farmington, Ill. Collapsible box. No. 1,063,424; June 3; Gaz. vol. 191; p. 86.
 Fasold, Daniel, Keswick, Iowa. Antiskidding tire-armor. No. 1,050,727; Jan. 14; Gaz. vol. 186; p. 512.

Alphabetical list of patentees—Continued.

- Fassbender, Michael, *et al.* (See Bellhouse, Thomas F., assignor.)
- Fassett, James H., Nashua, N. H. Pencil-sharpener. No. 1,058,168; Apr. 8; Gaz. vol. 189; p. 310.
- Fassnacht, Christopher, assignor to The Sectional Box Co., South Bend, Ind. Shipping box, case, or crate. No. 1,070,591; Aug. 19; Gaz. vol. 193; p. 589.
- Fast, Gustave, Baltimore, Md. Gearing. No. 1,071,719; Sept. 2; Gaz. vol. 194; p. 16.
- Fastiggi, Michele. (See Fastiggi, Vito G. and M.)
- Fastiggi, Vito G. and M., New York, N. Y. Hot-air apparatus. No. 1,068,637; July 29; Gaz. vol. 192; p. 1077.
- Fastnacht, Warren E., York, Pa. Police-signal-code box. No. 1,056,269; Mar. 18; Gaz. vol. 188; p. 615.
- Fauber, Delmer W. (See Fauber, Samuel E. and D. W.)
- Fauber, Samuel E. and D. W., Hillsboro, Ohio. Attachment for corn-planters. No. 1,077,516; Nov. 4; Gaz. vol. 196; p. 98.
- Faucher, Arsan A., Milan, Wis. Nut-lock. No. 1,058,294; Apr. 8; Gaz. vol. 189; p. 353.
- Faucher, Arsan A., Milan, Wis. Wrench for nut-locks. No. 1,058,295; Apr. 8; Gaz. vol. 189; p. 353.
- Faucher, Napoleon, Lawrence, Mass. Broom-holder. No. 1,071,222; Aug. 26; Gaz. vol. 193; p. 832.
- Faught, Henry S., Kalamazoo, Mich. Fish bait or lure. No. 1,069,093; July 29; Gaz. vol. 192; p. 1236.
- Faul, William J., assignor to William J. Faul Co., New York, N. Y. Lubricator. No. 1,078,268; Nov. 11; Gaz. vol. 196; p. 384.
- Faulds, John, Oak Park, assignor of one-half to J. I. Marshall, Chicago, Ill. Bake-oven. No. 1,078,667; Nov. 18; Gaz. vol. 196; p. 553.
- Faulkner, Albert N., New York, N. Y., assignor to The Chesebrough, Whitman Company. Folding extensible ladder. No. 1,069,403; Aug. 5; Gaz. vol. 193; p. 110.
- Faulkner, Russell, Edna, Kans. Cuff-button. No. 1,070,791; Aug. 19; Gaz. vol. 193; p. 656.
- Faulkner, W. H., *et al.* (See Holsclaw, Thomas C., assignor.)
- Faulks, Chelcias E., Pueblo, Colo. Air-brake attachment. No. 1,059,290; Apr. 15; Gaz. vol. 189; p. 735.
- Faultless Machine and Manufacturing Company, The. (See Yemiker and Stiles, assignors.)
- Fauner, Joseph F., Newark, N. J. Spring-cushion and weather-strip. No. 1,052,576; Feb. 11; Gaz. vol. 187; p. 282.
- Fauqué, Léon, Paris, France. Rail-fastening device. No. 1,053,979; Feb. 25; Gaz. vol. 187; p. 843.
- Fauquet, Georges, Petit Quevilly-les-Rouen, France. Cleaning-brush for collecting the dust produced during the cleaning of cards in spinning-mills. No. 1,071,035; Aug. 26; Gaz. vol. 193; p. 768.
- Fausek, Alexander V. and I. F., St. Louis, Mo. Welding and cutting torch. No. 1,066,192; July 1; Gaz. vol. 192; p. 103.
- Fausek, Irving F. (See Fausek, Alexander V. and I. F.)
- Faust, Casper, Oshkosh, Wis. Bolster-stake holder. No. 1,059,723; Apr. 22; Gaz. vol. 189; p. 917.
- Faust, Casper, Oshkosh, Wis. Bolster-stake holder. No. 1,077,692; Nov. 4; Gaz. vol. 196; p. 155.
- Faust, Casper, Oshkosh, Wis. Bolster-stake holder. No. 1,077,693; Nov. 4; Gaz. vol. 196; p. 156.
- Faust, Casper, Oshkosh, Wis. Bolster-stake holder. No. 1,082,073; Dec. 23; Gaz. vol. 197; p. 831.
- Faust, Casper, Oshkosh, Wis. Bolster-stake holder. No. 1,082,074; Dec. 23; Gaz. vol. 197; p. 832.
- Faust, Charlie C. and J. A. Joyner, Reeves, La. Seat-cover. No. 1,052,577; Feb. 11; Gaz. vol. 187; p. 282.
- Faust, Jared F., Basin, Wyo. Blinker-stay. No. 1,073,225; Sept. 16; Gaz. vol. 194; p. 605.
- Fauteux, Hyacinthe M., Montreal, Quebec, Canada. Shoe. No. 1,053,980; Feb. 25; Gaz. vol. 187; p. 843.
- Fawcett, Charles L., Smith Center, Kans. Bearing-scraper. No. 1,065,230; June 17; Gaz. vol. 191; p. 766.
- Fawcett, James, Rochester, Pa. Trolley. No. 1,062,959; May 27; Gaz. vol. 190; p. 927.
- Fawcett, James E., Platteville, Wis. Shield for pneumatic tires. No. 1,077,267; Nov. 4; Gaz. vol. 196; p. 9.
- Fawcus, Thomas, Pittsburgh, Pa. Gear-cutting machine. No. 1,049,350; Jan. 7; Gaz. vol. 186; p. 11.
- Fawcus, Thomas, Pittsburgh, Pa. Gear-cutting machine. No. 1,067,013; July 8; Gaz. vol. 192; p. 413.
- Fawcus, Thomas, Pittsburgh, Pa. Gear-cutting machine. No. 1,067,014; July 8; Gaz. vol. 192; p. 414.
- Fawell, Joseph. (See Duncan and Fawell.)
- Fawell, Joseph, Pittsburgh, Pa. Rolling-mill. No. 1,071,720; Sept. 2; Gaz. vol. 194; p. 17.
- Fawkes, Emma C. (See Fawkes, Joseph W. and E. C.)
- Fawkes, Frank G., Chicago, Ill. Toy and advertising novelty. No. 1,058,357; Apr. 8; Gaz. vol. 189; p. 376.
- Fawkes, Joseph W. and E. C., Burbank, Cal. Aerial trolley-car. No. 1,051,093; Jan. 21; Gaz. vol. 186; p. 677.
- Fawkes, Wilbert C., Portland, Oreg. Candy-pulling machine. No. 1,050,356; Jan. 14; Gaz. vol. 186; p. 386.
- Faxon, Alfred W. (See Downes and Faxon.)
- Fay, Alpheus, Louisville, Ky. Cream-separator and churn. No. 1,057,335; Mar. 25; Gaz. vol. 188; p. 1008.
- Fay, Alpheus, Louisville, Ky. Cream-separator and churn. No. 1,072,219; Sept. 2; Gaz. vol. 194; p. 187.
- Fay, Edgar E., Newton, Mass. Game-table. No. 1,070,592; Aug. 19; Gaz. vol. 193; p. 589.
- Fay, Harold J. W., Westboro, Mass., and E. C. Molina, East Orange, N. J., assignors to American Telephone and Telegraph Company, Boston, Mass. System for dividing calls among telephone-operators' positions. No. 1,073,748; Sept. 23; Gaz. vol. 194; p. 810.
- Fay, Louis J., Nogales, Ariz. Safety-razor. No. 1,063,021; May 27; Gaz. vol. 190; p. 947.
- Fay, Thomas L., Ketchikan, Alaska. Spring-board holder. No. 1,057,998; Apr. 1; Gaz. vol. 189; p. 205.
- Fayard, Antoine. (See Lapertot and Fayard.)
- Fearing, Albert J. (See Schmidt and Fearing.)
- Fearing, Henry L., Chicago, Ill. Fish-hook. No. 1,050,529; Jan. 14; Gaz. vol. 186; p. 448.
- Fearon, James J., assignor of one-half to C. J. Fox, Philadelphia, Pa. Circulating and mixing device. No. 1,079,753; Nov. 25; Gaz. vol. 196; p. 961.
- Fearon, Thomas E., assignor of one-half to C. Maloney, Philadelphia, Pa. Tobacco-leaf counting and grading apparatus. No. 1,059,724; Apr. 22; Gaz. vol. 189; p. 917.
- Fearon, Thomas E., assignor to Smith, Drum & Company, Philadelphia, Pa. Cigar-cutting machine. No. 1,067,327; July 15; Gaz. vol. 192; p. 559.
- Feasel, Harry L., Philadelphia, Pa. Mop. No. 1,081,225; Dec. 9; Gaz. vol. 197; p. 479.
- Featherston, John E., Valley City, N. D. Automobile tube and tire signal. No. 1,058,571; Apr. 8; Gaz. vol. 189; p. 448.
- Febiger, Henry B., assignor of one-eighth to C. C. Diboll and three-eighths to J. C. Febiger, Jr., New Orleans, La. Firearm. No. 1,068,751; July 29; Gaz. vol. 192; p. 1116.
- Febiger, Henry B., assignor of three-eighths to J. C. Febiger, Jr., and one-eighth to C. C. Diboll, New Orleans, La. Firearm. No. 1,068,752; July 29; Gaz. vol. 192; p. 1116.
- Febiger, John C., Jr., *et al.* (See Febiger, Henry B., assignor.)
- Fechheimer, Carl J., Cincinnati, Ohio, assignor to Allis-Chalmers Company and The Bullock Electric Manufacturing Company. Winding for dynamo-electric machines. No. 1,066,893; July 8; Gaz. vol. 192; p. 373.
- Feder, Harry, New York, N. Y. Buttonhole-reinforcement. No. 1,066,477; July 8; Gaz. vol. 192; p. 229.
- Federal Electric Company. (See Silbert, Gustaf I., assignor.)
- Federal Ice Machine Company. (See Holden, Daniel L., assignor.)
- Federal Metallic Packing Company. (See Staples, Willard G., assignor.)
- Federal Sign System Electric. (See Shepard, Leonard G., assignor.)
- Federal Signal Company. (See Cade, John T., assignor.)
- Federal Signal Company. (See Taylor, Herbert B., assignor.)
- Federal Storage Battery Car Company. (See Beach, Ralph H., assignor.)
- Feely, Duncan J., San Diego, Cal. Ironing device. No. 1,079,168; Nov. 18; Gaz. vol. 196; p. 729.
- Feely, William C., New York, N. Y. Invalid-bed. No. 1,061,168; May 6; Gaz. vol. 190; p. 206.
- Feeney, James E., Monterey, Mexico. Apparatus for lubricating the flanges of vehicle-wheels. No. 1,060,174; Apr. 29; Gaz. vol. 189; p. 1109.
- Fefel, John E., assignor to New Departure Manufacturing Company, Bristol, Conn. Overseaming mechanism. No. 1,067,419; July 15; Gaz. vol. 192; p. 589.
- Fefell, Henry H., assignor to M. R. Isaacs, Philadelphia, Pa. Sewing-machine. No. 1,056,522; Mar. 18; Gaz. vol. 188; p. 702.
- Fegley, Thomas J., and G. O. Leopold, assignors to North Bro's M'fg Co., Philadelphia, Pa. Means for attaching handles to tools. No. 1,059,132; Apr. 15; Gaz. vol. 189; p. 681.
- Fegyver-És Gépgyár Részénnyársaság. (See Frommer and Molnár, assignors.)
- Feicks, William, Bethlehem, Pa. Coke-oven or gas-furnace. No. 1,051,875; Feb. 4; Gaz. vol. 187; p. 9.
- Feicks, William, Bethlehem, Pa. Apparatus for handling coke. No. 1,055,456; Mar. 11; Gaz. vol. 188; p. 307.
- Feicks, William, Bloomfield, N. J. Obtaining by-products from the gaseous distillation of fuels. No. 1,051,876; Feb. 4; Gaz. vol. 187; p. 10.
- Feicks, William, Bloomfield, N. J. Oven-door. No. 1,056,270; Mar. 18; Gaz. vol. 188; p. 615.
- Feicks, William, Bloomfield, N. J. Saturation apparatus. No. 1,062,960; May 27; Gaz. vol. 190; p. 928.
- Feige, Josef, Ludwigsdorf, Germany. Lathe. No. 1,075,246; Oct. 7; Gaz. vol. 195; p. 227.
- Feigensohn, David, New York, N. Y. Toothache remedy. No. 1,053,720; Feb. 18; Gaz. vol. 187; p. 720.
- Feightner, Lewis E. (See Austin and Feightner.)
- Feightner, Lewis E., assignor to Lima Locomotive Corporation, Lima, Ohio. Steam-engine mounting for geared locomotives. No. 1,075,705; Oct. 14; Gaz. vol. 195; p. 411.

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- Feigl, George G., and A. R. Grossman, assignors to International Automatic Machine Company, New York, N. Y. Coin-controlled vending-machine. No. 1,053,950; Feb. 18; Gaz. vol. 187; p. 796.
- Felker, Fredrick C., Racine, Wis. Pneumatic tire. No. 1,075,345; Oct. 14; Gaz. vol. 195; p. 287.
- Feilbach, Arthur O., North Milwaukee, assignor to Feilbach Motor Company, Milwaukee, Wis. Spring-fork for motor-cycles. No. 1,052,808; Feb. 11; Gaz. vol. 187; p. 362.
- Feilbach Motor Company. (See Feilbach, Arthur O., assignor.)
- Feilner, Karl, Nuremberg, Germany. Valve-gear for two-stage combustion-engines. No. 1,061,681; May 13; Gaz. vol. 190; p. 422.
- Feinen, Mary, Jersey City, N. J. Book-carrier. No. 1,082,017; Dec. 23; Gaz. vol. 197; p. 812.
- Feinen, Mary B., Jersey City, N. J. Washboard. No. 1,062,447; May 20; Gaz. vol. 190; p. 716.
- Feiner, Eugene J. (See Hamann, Richard W., assignor.)
- Feinstein, Abraham, Cincinnati, Ohio. Bottle cap and pourer. No. 1,074,168; Sept. 30; Gaz. vol. 194; p. 979.
- Feister, Charles, Ardsley, N. Y. Ice-creeper. No. 1,059,853; Apr. 22; Gaz. vol. 189; p. 958.
- Feister, Henry P. (See Robinson and Feister.)
- Fekete, Jozsef, and G. Serfozo, Erie, Pa. Rail tie and fastener. No. 1,055,732; Mar. 11; Gaz. vol. 188; p. 397.
- Felbel, Jacob, New York, N. Y., assignor to Union Typewriter Company, Jersey City, N. J. Type-writing machine. No. 1,053,374; Feb. 18; Gaz. vol. 187; p. 600.
- Felbel, Jacob, New York, N. Y., assignor, by mesne assignments, to Union Typewriter Company, Jersey City, N. J. Type-writing machine. No. 1,054,682; Mar. 4; Gaz. vol. 188; p. 10.
- Felbel, Jacob, New York, N. Y., assignor, by mesne assignments, to Union Typewriter Company, Jersey City, N. J. Type-writing machine. No. 1,055,027; Mar. 4; Gaz. vol. 188; p. 127.
- Felbel, Jacob, New York, assignor, by mesne assignments, to Remington Typewriter Company, Ilion, N. Y. Type-writing machine. No. 1,061,957; May 13; Gaz. vol. 190; p. 510.
- Feld, Walther, Linz, Germany. Obtaining sulfur from hydrogen sulfid and sulfur dioxide. No. 1,079,291; Nov. 18; Gaz. vol. 196; p. 767.
- Feldhamer, David, New York, and V. Livingston, Elmhurst, N. Y. Tombstone. No. 1,057,336; Mar. 25; Gaz. vol. 188; p. 1008.
- Feldkamp, Frederick A., Newark, N. J., assignor to Electrolytic Products Co. Hollow tape, ribbon, or band of metal. No. 1,055,324; Mar. 11; Gaz. vol. 188; p. 261.
- Feldkamp, Frederick A., Newark, N. J., assignor to Electrolytic Products Co. Producing hollow tapes, ribbons, or bands of metal. No. 1,071,036; Aug. 26; Gaz. vol. 193; p. 768.
- Feldkamp, Frederick A., Newark, N. J., assignor to Electrolytic Products Co. Apparatus for electroplating hollow tapes, ribbons, or bands. No. 1,071,037; Aug. 26; Gaz. vol. 193; p. 769.
- Feldkamp, Frederick A., Newark, N. J., assignor to Electrolytic Products Co. Assembling radiator-sections. No. 1,077,058; Oct. 28; Gaz. vol. 195; p. 964.
- Feldman, Bernard, Perth Amboy, N. J. Dental forceps. No. 1,060,242; Apr. 29; Gaz. vol. 189; p. 1133.
- Feldman, Bernard, Perth Amboy, N. J. Dental Forceps. No. 1,060,243; Apr. 29; Gaz. vol. 189; p. 1133.
- Feldman, Maria, New York, N. Y. Bust supporter and reducer. No. 1,060,329; Apr. 29; Gaz. vol. 189; p. 1165.
- Feldmann, Louis, Jr., and T. E. Crecelius, assignors to Multiplex Display Fixture Company, St. Louis, Mo. Wing or leaf for display-racks. No. 1,060,443; Apr. 29; Gaz. vol. 189; p. 1204.
- Feldmeier, Harvey. (See Dalzell and Feldmeier.)
- Feldmeier, Harvey, and C. B. Dalzell, assignors to D. H. Burrell & Company, Little Falls, N. Y. Apparatus for pasteurizing milk. No. 1,067,513; July 15; Gaz. vol. 192; p. 621.
- Feldt, Ferdinand J., Peoria, Ill. Joint-forming device for sheet-metal tubing. No. 1,050,766; Jan. 14; Gaz. vol. 186; p. 525.
- Felger, Jonas M., Richmond, Va. Bottle-washing machine. No. 1,049,832; Jan. 7; Gaz. vol. 186; p. 175.
- Felix, Mildred, New York, N. Y. Automatic detector for identifying vehicles and the like. No. 1,070,882; Aug. 19; Gaz. vol. 193; p. 683.
- Felix, Mildred, New York, N. Y. Indicating device for vehicles. No. 1,075,555; Oct. 14; Gaz. vol. 195; p. 361.
- Felix, Robert L., Marlborough, Mass. Machine for skiving leather. No. 1,069,684; Aug. 12; Gaz. vol. 193; p. 234.
- Félizat, Louis, Salon, France. Furnace in which industrial residues are burnt. No. 1,078,038; Nov. 11; Gaz. vol. 196; p. 305.
- Félizat, Louis, assignor to la Société Huilerie, et Savonnerie de Lurian, Salon, Bouches-du-Rhône, France. Extracting oils from fullers' earth and like materials. No. 1,070,435; Aug. 19; Gaz. vol. 193; p. 534.
- Felkel, William D., Elloree, S. C. Cultivator. No. 1,059,133; Apr. 15; Gaz. vol. 189; p. 681.
- Fell, Clarence A., Dronfield, England. Shovel for stokers' use and other purposes. No. 1,080,903; Dec. 9; Gaz. vol. 197; p. 374.
- Fell, John W., Fortuna, Cal. Milk-cooling device. No. 1,059,854; Apr. 22; Gaz. vol. 189; p. 958.
- Feller, Adolph F., Berkeley, assignor of one-fourth to H. C. Hansen and one-fourth to E. J. Broberg, Oakland, Cal. Starting mechanism for internal-combustion engines. No. 1,053,800; Feb. 18; Gaz. vol. 187; p. 746.
- Fellner & Ziegler. (See Helbig, Albin B., assignor.)
- Fellows, Frank C. (See Jones, Harley H., assignor.)
- Fellows, Irving D., Syracuse, assignor of one-half to J. H. McCartney, Rochester, N. Y. Chronometer-controlled signaling device for telephone-exchange systems. No. 1,049,568; Jan. 7; Gaz. vol. 186; p. 87.
- Fellows, Olin S. (See Hopkins and Fellows.)
- Fellows, Walter C. (See Campbell and Fellows.)
- Fels, Maurice. (See Steelman, Sawyer, and Fels.)
- Felt, Christina, Brocket, N. D. Weed-extermimator. No. 1,063,250; June 3; Gaz. vol. 191; p. 28.
- Felt, Dorr E., Chicago, Ill. Calculating-machine. No. 1,066,096; July 1; Gaz. vol. 192; p. 68.
- Felt, Dorr E., Chicago, Ill. Calculating-machine. No. 1,072,933; Sept. 9; Gaz. vol. 194; p. 465.
- Felt, Dorr E., Chicago, Ill. Calculating-machine. No. 1,074,704; Oct. 7; Gaz. vol. 195; p. 41.
- Felt, Dorr E., Chicago, Ill. Calculating-machine. No. 1,074,705; Oct. 7; Gaz. vol. 195; p. 42.
- Felt, Dorr E., and J. A. V. Turck, assignors to Felt & Tarrant Manufacturing Company, Chicago, Ill. Calculating-machine. No. 1,072,934; Sept. 9; Gaz. vol. 194; p. 466.
- Felt & Tarrant Manufacturing Company. (See Bollensen, George S., assignor.)
- Felt & Tarrant Manufacturing Company. (See Felt and Turck, assignors.)
- Felten and Guillaume-Lahmeyerwerke Actien Gesellschaft. (See Enger, Carl, assignor.)
- Felten & Guillaume-Lahmeyerwerke Aktien Gesellschaft. (See Krämer, Christian, assignor.)
- Felter, Theodore B., Newark, N. J. Turned shoe. No. 1,054,402; Feb. 25; Gaz. vol. 187; p. 988.
- Felton, William H. D., assignor to M. J. and M. P. Whit-tall, Worcester, and J. E. Whitin, Uxbridge, Mass. Pile-wire-lubricating device. No. 1,051,720; Jan. 28; Gaz. vol. 186; p. 919.
- Fender, Frank E., Lincoln, Nebr. Burner. No. 1,059,855; Apr. 22; Gaz. vol. 189; p. 958.
- Fengler, Hermann V., Philadelphia, Pa., and V. B. Rouillot, Mays Landing, N. J., assignors to Underwood Typewriter Company, New York, N. Y. Type-writing machine. No. 1,079,548; Nov. 25; Gaz. vol. 196; p. 887.
- Fenkhausen, Rudolph H., San Francisco, Cal. Electric switch. No. 1,070,674; Aug. 19; Gaz. vol. 193; p. 616.
- Fenlason, Orin C., Hoquiam, Wash. Pneumatic feeding mechanism for automatic machines for making foldable or collapsible berry-boxes. No. 1,057,815; Apr. 1; Gaz. vol. 189; p. 145.
- Fenlason, Orin C., Hoquiam, Wash. Veneer branding or printing press. No. 1,078,490; Nov. 11; Gaz. vol. 196; p. 461.
- Fenner, George P., New London, Conn. Mechanism for driving ink-rollers. No. 1,052,047; Feb. 4; Gaz. vol. 187; p. 70.
- Fenner, George P., New London, Conn. Mechanism for adjusting ink-rollers. No. 1,057,136; Mar. 25; Gaz. vol. 188; p. 943.
- Fennessy, Edward H., *et al.* (See Hall, William, assignor.)
- Fennessy, Frank E., *et al.* (See Hall, William, assignor.)
- Fenoform Corporation. (See Wiechmann, Ferdinand G., assignor.)
- Fenoughty, William H., Belleville, Ill., assignor to American Carbon & Battery Company. Battery. No. 1,075,556; Oct. 14; Gaz. vol. 195; p. 361.
- Fenstermaker, George W., assignor of one-half to P. O'Connor, Amboy, Ill. Lock-nut. No. 1,064,629; June 10; Gaz. vol. 191; p. 534.
- Fenstermacher, Franklin J., New York, N. Y. Printer's tool. No. 1,054,964; Mar. 4; Gaz. vol. 188; p. 105.
- Fensterwald, Joe. (See Fensterwald and Geiger, assignors.)
- Fensterwald, Julius B., Baltimore, Md., and J. Geiger, assignors of one-third to J. Fensterwald, Nashville, Tenn. Belt-retaining device. No. 1,069,774; Aug. 12; Gaz. vol. 193; p. 266.
- Fenton, Lewis E., Salinas, Cal. Beet-plow. No. 1,069,118; Aug. 5; Gaz. vol. 193; p. 10.
- Fentress, Frank P., Tacoma, Wash. Motor-cycle axle structure. No. 1,067,723; July 15; Gaz. vol. 192; p. 692.
- Fentress, James, Hubbard Woods, Ill. Hose-connector. No. 1,051,396; Jan. 28; Gaz. vol. 186; p. 811.
- Feola, Raffaele, New York, N. Y. Lock. No. 1,060,444; Apr. 29; Gaz. vol. 189; p. 1205.
- Ferber, Karl, assignor to Siemens-Schuckertwerke G. m. b. H., Berlin, Germany. Distributing and mixing apparatus. No. 1,065,793; June 24; Gaz. vol. 191; p. 995.

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- Ferdon, Guy W., Cresskill, N. J., assignor to Silver & Company, Brooklyn, N. Y. Soap-holder. No. 1,065,436; June 24; Gaz. vol. 191; p. 875.
- Ferguson, Edward D., Chattanooga, Tenn. Harrow. No. 1,069,242; Aug. 5; Gaz. vol. 193; p. 55.
- Ferguson, Archibald, Jr., Holyoke, Mass. Collar-ironing machine. No. 1,049,470; Jan. 7; Gaz. vol. 186; p. 51.
- Ferguson, Archibald B., Spokane, Wash. Vehicle spring-suspension mechanism. No. 1,070,675; Aug. 19; Gaz. vol. 193; p. 616.
- Ferguson, Bassett, Philadelphia, Pa. Time-controlled draft and damper regulator. No. 1,062,699; May 27; Gaz. vol. 190; p. 841.
- Ferguson Brothers Mfg. Co. (See Campbell, James W., assignor.)
- Ferguson, D. Earl, Vernon, Mich. Measuring instrument. No. 1,081,033; Dec. 9; Gaz. vol. 197; p. 417.
- Ferguson, Donald B., Aurora, Minn. Sounding device. No. 1,055,153; Mar. 4; Gaz. vol. 188; p. 168.
- Ferguson, Edward J., Santa Rosa, Cal. Rail-anchor. No. 1,076,493; Oct. 21; Gaz. vol. 195; p. 712.
- Ferguson, Floyd E., Walla Walla, Wash. Sign. No. 1,061,997; May 20; Gaz. vol. 190; p. 564.
- Ferguson, Francis W., Louisville, Ky. Chimney attachment. No. 1,070,436; Aug. 19; Gaz. vol. 193; p. 534.
- Ferguson, George C., Fredericton, New Brunswick, Canada. Wrench. No. 1,055,971; Mar. 11; Gaz. vol. 188; p. 478.
- Ferguson, Gilbert J., Lost Creek, Pa. Pipe-coupling. No. 1,074,706; Oct. 7; Gaz. vol. 195; p. 42.
- Ferguson, Gurnett E., Institute, W. Va. Music-leaf turner. No. 1,077,134; Oct. 28; Gaz. vol. 195; p. 986.
- Ferguson, Herman B., Pittsburgh, Pa. Apparatus for ironing garments. No. 1,078,269; Nov. 11; Gaz. vol. 196; p. 384.
- Ferguson, John A., Denver, Colo. Concrete floor construction. No. 1,051,376; Jan. 21; Gaz. vol. 186; p. 770.
- Ferguson, Louis A., *et al.* (See Thulin, John, assignor.)
- Ferguson, Lyman H., Ithaca, assignor of one-third to Q. W. Wellington and two-thirds to T. F. Rogers, E. Force, and C. G. Andrews, Corning, N. Y. Vehicle-tire. No. 1,083,245; Dec. 30; Gaz. vol. 197; p. 1262.
- Ferguson, Meade, and J. O. Fitzgerald, Jr., Richmond, Va. Revolver attachment. No. 1,083,073; Dec. 30; Gaz. vol. 197; p. 1208.
- Ferguson, Milford B., New York, N. Y., assignor, by mesne assignments, to Package Machinery Company. Apparatus for sealing wrapped articles. No. 1,066,193; July 1; Gaz. vol. 192; p. 104.
- Ferguson, Peter L., and J. W. Wheelwright, Ogden, Utah. Illuminated sign. No. 1,076,566; Oct. 21; Gaz. vol. 195; p. 738.
- Ferguson, Robert B., Los Angeles, Cal. Boutonnière-holder. No. 1,067,979; July 22; Gaz. vol. 192; p. 811.
- Ferguson, Robert B., Los Angeles, Cal. Trunk-fastener. No. 1,077,195; Oct. 28; Gaz. vol. 195; p. 1006.
- Ferguson, Robert B., assignor to G. E. Harpham, Los Angeles, Cal. Display-frame. No. 1,070,239; Aug. 12; Gaz. vol. 193; p. 426.
- Ferguson, Robert L. (See Walters, Joseph A., assignor.)
- Ferguson, Samuel, Schenectady, N. Y., assignor to General Electric Company. Vapor electric apparatus. No. 1,072,443; Sept. 9; Gaz. vol. 194; p. 292.
- Ferguson, Thomas, Altrincham, England. Dynamo-electric machine. No. 1,070,437; Aug. 19; Gaz. vol. 193; p. 535.
- Ferguson, Thomas, assignor to L. M. MacDermot, Oakland, Cal. Steam-trap. No. 1,069,775; Aug. 12; Gaz. vol. 193; p. 266.
- Ferguson, Thomas B., Hanford, Cal. Wheeled scraper. No. 1,074,589; Sept. 30; Gaz. vol. 194; p. 1118.
- Ferguson, William A., *et al.* (See Allen, John A., assignor.)
- Fergusson, David, and J. R. Way, assignors to The Pierce-Arrow Motor Car Company, Buffalo, N. Y. Ventilator for vehicles. No. 1,078,340; Nov. 11; Gaz. vol. 196; p. 410.
- Fergusson, Ella M., executrix. (See Fergusson, Henry A.)
- Fergusson, Henry A., deceased; E. M. Fergusson, executrix, Webster Groves, Mo. Toy. No. 1,052,907; Feb. 11; Gaz. vol. 187; p. 396.
- Ferland, Albert, Lawrence, Mass. Tenpin game. No. 1,064,063; June 10; Gaz. vol. 191; p. 340.
- Ferman, Cyral L., and A. Lane, Milan, Mich. Beet-harvesting machine. No. 1,050,633; Jan. 14; Gaz. vol. 186; p. 482.
- Ferneau, James W., assignor of one-half to J. De Groat, Cedar Springs, Mich. Ventilator. No. 1,070,792; Aug. 19; Gaz. vol. 193; p. 656.
- Fernekes Gustave, Pittsburgh, assignor to J. A. Snee, West Elizabeth, Pa. Producing carbon or lampblack. No. 1,066,894; July 8; Gaz. vol. 192; p. 374.
- Fernie, William J., Dromara, Ireland. Retting flax. No. 1,083,074; Dec. 30; Gaz. vol. 197; p. 1208.
- Ferra, Pierre, Caluire-et-Cuire, near Lyon, France. Composition for heat-insulating and thermo-electric purposes. No. 1,075,773; Oct. 14; Gaz. vol. 195; p. 435.
- Ferra, Pierre, Caluire-et-Cuire, near Lyon, France. Making a composition of matter. No. 1,075,820; Oct. 14; Gaz. vol. 195; p. 450.
- Ferrall, Thomas R., Wakefield, Mass., assignor to Boston & Lockport Block Company, Lockport, N. Y. Lubricating-block. No. 1,070,240; Aug. 12; Gaz. vol. 193; p. 426.
- Ferranti, Sebastian Z. de, Hampstead, London, England. Turbine. No. 1,066,478; July 8; Gaz. vol. 192; p. 229.
- Ferranti, Sebastian Z. de, Grindleford, England. Spinning, twisting, and doubling machinery. No. 1,067,907; July 22; Gaz. vol. 192; p. 787.
- Ferranti, Sebastian Z. de, Grindleford Bridge, England. Elastic-fluid turbine. No. 1,082,741; Dec. 30; Gaz. vol. 197; p. 1095.
- Ferrara, Francesco, Boston, Mass. Shoestring-fastener. No. 1,072,594; Sept. 9; Gaz. vol. 194; p. 344.
- Ferrari, Frederick J., Syracuse, N. Y. Fuse-cartridge. No. 1,054,965; Mar. 4; Gaz. vol. 188; p. 105.
- Ferrell, Harry, and C. Witwer, Barberton, Ohio. Joint-expanding ring. No. 1,080,430; Dec. 2; Gaz. vol. 197; p. 181.
- Ferrere, Pierre. (See Lance, Robert D., assignor.)
- Ferrero, John, Angels Camp, assignor of one-fourth to L. S. Volponi, Sonora, Cal. Regulated siphon. No. 1,068,995; July 29; Gaz. vol. 192; p. 1201.
- Ferris, Edgar S. (See Hinds and Ferris.)
- Ferris, Harry H., Huntington Beach, Cal. Rail-joint. No. 1,075,968; Oct. 14; Gaz. vol. 195; p. 501.
- Ferris, Henry L., assignor to Hunt, Helm, Ferris & Company, Harvard, Ill. Feed and litter carrier. No. 1,056,523; Mar. 18; Gaz. vol. 188; p. 703.
- Ferris, Henry L., assignor to Hunt, Helm, Ferris & Company, Harvard, Ill. Stall construction. No. 1,057,720; Apr. 1; Gaz. vol. 189; p. 111.
- Ferris, Henry L., assignor to Hunt, Helm, Ferris & Company, Harvard, Ill. Stop device for stalls. No. 1,064,466; June 10; Gaz. vol. 191; p. 479.
- Ferris, Henry L., assignor to Hunt, Helm, Ferris & Company, Harvard, Ill. Stall construction. No. 1,068,753; July 29; Gaz. vol. 192; p. 1117.
- Ferris, Henry L., assignor to Hunt, Helm, Ferris & Company, Harvard, Ill. Stall construction. No. 1,078,999; Nov. 18; Gaz. vol. 196; p. 670.
- Ferris, Henry L. and H. J., assignors to Hunt, Helm, Ferris & Company, Harvard, Ill. Animal-stall. No. 1,066,194; July 1; Gaz. vol. 192; p. 104.
- Ferris, Henry L. and H. J., assignors to Hunt, Helm, Ferris & Company, Harvard, Ill. Stanchion. No. 1,066,195; July 1; Gaz. vol. 192; p. 104.
- Ferris, Howard J. (See Ferris, Henry L. and H. J.)
- Ferris, Ray E. (See Clawson and Ferris.)
- Ferris, Walter, Milwaukee, Wis. Compensating-truck. No. 1,075,096; Oct. 7; Gaz. vol. 195; p. 175.
- Ferris, William F. (See Kriewitz and Ferris.)
- Ferriss, Samuel J., New Milford, Conn. Machine for cutting ice. No. 1,067,328; July 15; Gaz. vol. 192; p. 559.
- Ferro Concrete Construction Company, The. (See Anderson, Robert, assignor.)
- Ferron, Heinrich C., Amsterdam, Netherlands. Metallic roofing and the like. No. 1,061,231; May 6; Gaz. vol. 190; p. 229.
- Ferry, Louis, Derby, Conn. Device for winding springs of shade-rollers. No. 1,068,754; July 29; Gaz. vol. 192; p. 1117.
- Ferry, Thomas, Cleveland, Ohio. Upsetting set-screws, cap-screws, and the like. No. 1,069,659; Aug. 5; Gaz. vol. 193; p. 195.
- Féry, Charles, Paris, France. Calorimetric bomb. No. 1,067,908; July 22; Gaz. vol. 192; p. 787.
- Fesler, Joel B., New York, N. Y. Fountain-brush. No. 1,067,596; July 15; Gaz. vol. 192; p. 649.
- Fesler, John H., Neodesha, Kans. Packing-wrench. No. 1,065,437; June 24; Gaz. vol. 191; p. 875.
- Fesler, Milton A., San Francisco, Cal., assignor to Fess System Co. Centrifugal oil-burner. No. 1,064,467; June 10; Gaz. vol. 191; p. 480.
- Fess System Co. (See Fesler, Milton A., assignor.)
- Fessenden, Reginald A., Brant Rock, Mass., assignor, by mesne assignments, to S. M. Kintner, Pittsburgh, Pa., and H. M. Barrett, Bloomfield, N. J., receivers. Electric signaling apparatus. No. 1,050,441; Jan. 14; Gaz. vol. 186; p. 417.
- Fessenden, Reginald A., Brant Rock, Mass., assignor, by mesne assignments, to S. M. Kintner, Pittsburgh, Pa., and H. M. Barrett, Bloomfield, N. J., receivers. Magnetic material. No. 1,074,424; Sept. 30; Gaz. vol. 194; p. 1064.
- Fessenden, Reginald A., Brant Rock, Mass., assignor, by mesne assignments, to S. M. Kintner, Pittsburgh, Pa., and H. M. Barrett, Bloomfield, N. J., receivers. Signaling by electromagnetic waves. No. 1,080,271; Dec. 2; Gaz. vol. 197; p. 124.
- Fessenden, Reginald A., Washington, D. C., assignor, by mesne assignments, to S. M. Kintner, Pittsburgh, Pa., and H. M. Barrett, Bloomfield, N. J., receivers. Signaling. No. 1,050,728; Jan. 14; Gaz. vol. 186; p. 512.

Alphabetical list of patentees—Continued.

- Fessenden, Reginald A., Washington, D. C., assignor, by mesne assignments, to S. M. Kintner, Pittsburgh, Pa., and H. M. Barrett, Bloomfield, N. J., receivers. Wireless telegraphy. No. 1,059,665; Apr. 22; Gaz. vol. 189; p. 898.
- Fessenden, Reginald A., Washington, D. C., assignor, by mesne assignments, to S. M. Kintner, Pittsburgh, Pa., and H. M. Barrett, Bloomfield, N. J., receivers. Apparatus for wireless signaling. No. 1,059,666; Apr. 22; Gaz. vol. 189; p. 898.
- Fessenden, Reginald A., Washington, D. C., assignor, by mesne assignments, to S. M. Kintner, Pittsburgh, Pa., and H. M. Barrett, Bloomfield, N. J., receivers. Wireless signaling. No. 1,074,423; Sept. 30; Gaz. vol. 194; p. 1064.
- Fessenden, William N., Kingston, N. Y. Pipe-wrench. No. 1,057,816; Apr. 1; Gaz. vol. 189; p. 145.
- Fessler, Weaver F., Grove City, Pa. Safety device. No. 1,054,101; Feb. 25; Gaz. vol. 187; p. 883.
- Fessler, Weaver F., assignor to National Safety Guard Company, Grove City, Pa. Safety device. No. 1,055,625; Mar. 11; Gaz. vol. 188; p. 361.
- Fetherston, John T., assignor of one-half to Power Specialty Company, New York, N. Y. Furnace-feeding apparatus. No. 1,053,020; Feb. 11; Gaz. vol. 187; p. 433.
- Fetscher, George F., Chicago, Ill. Changeable sign. No. 1,058,739; Apr. 15; Gaz. vol. 189; p. 543.
- Fetter, William H. (See Werner and Fetter.)
- Fetters, George, Canton, Ohio. Smoke-consumer. No. 1,083,075; Dec. 30; Gaz. vol. 197; p. 1209.
- Fetters, Norman C., assignor to W. H. Morgan, Alliance, Ohio. Means for securing rails to metal ties. No. 1,053,801; Feb. 18; Gaz. vol. 187; p. 746.
- Fetty, Miles F., Kansas City, Mo., assignor to C. F. Hutchings, Jr., Kansas City, Kans. Antileak tire compound. No. 1,065,038; June 17; Gaz. vol. 191; p. 703.
- Fetzer, Allen H., Gallion, Ohio. Steering-gear. No. 1,060,175; Apr. 29; Gaz. vol. 189; p. 1109.
- Feuchtwanger & Co. (See Goldstein, Sigmund, assignor.)
- Feuerstein, Solomon B., Chicago, Ill. Automatic printing-press. No. 1,051,206; Jan. 21; Gaz. vol. 186; p. 713.
- Fewell, Everett B., Madison, Ind. Artificial tooth. No. 1,078,844; Nov. 18; Gaz. vol. 196; p. 617.
- Fey, Charles A., Fond du Lac, Wis. Coin-operated weighing-scale. No. 1,077,517; Nov. 4; Gaz. vol. 196; p. 98.
- Fey, Joseph B., Akron, Ohio. Valve for therapeutic apparatus. No. 1,069,685; Aug. 12; Gaz. vol. 193; p. 234.
- Feyk, Anton. (See Dusha, Feyk, and Komancsek.)
- Ffolliott, Charles. (See Morancy, Thomas, assignor.)
- Fiala, Alexander J., Omaha, Nebr. Alarm attachment for refrigerator drip-pans. No. 1,066,479; July 8; Gaz. vol. 192; p. 229.
- Fiala, Anthony, Brooklyn, N. Y. Sleeping-bag. No. 1,064,630; June 10; Gaz. vol. 191; p. 534.
- Fiala, Joseph, assignor to Standard Pneumatic Action Co., New York, N. Y. Musical instrument. No. 1,064,720; June 17; Gaz. vol. 191; p. 601.
- Flandt, Charles L., and W. L. Meek, Upton, Wyo. Stirrup. No. 1,065,438; June 24; Gaz. vol. 191; p. 876.
- Flat-San Giorgio Società-Anonima. (See Laurenti, Cesare, assignor.)
- Fiber Barrel Machinery & Manufacturing Company. (See Herr, Henry C., assignor.)
- Ficcio, Pasquale, Tampa, Fla. Sign and indicator. No. 1,079,754; Nov. 25; Gaz. vol. 196; p. 962.
- Ficcio, Pasquale, assignor of one-half to V. Ficcio, Tampa, Fla. Sign and indicator. No. 1,049,833; Jan. 7; Gaz. vol. 186; p. 175.
- Ficcio, Valentino. (See Ficcio, Pasquale, assignor.)
- Fickes, Edwin S., Pittsburgh, Pa. Precipitating aluminum hydrate. No. 1,070,438; Aug. 19; Gaz. vol. 193; p. 535.
- Fickett, Richard N., Jr., Atlanta, Ga. Mop. No. 1,064,631; June 10; Gaz. vol. 191; p. 535.
- Fickling, William C., Savannah, Ga. Journal-box. No. 1,057,229; Mar. 25; Gaz. vol. 188; p. 975.
- Fiddymont, John C., Baltimore, Md. Press. No. 1,049,834; Jan. 7; Gaz. vol. 186; p. 176.
- Fiddymont, John C., Baltimore, Md. Press. No. 1,069,404; Aug. 5; Gaz. vol. 193; p. 111.
- Fiddymont, Samuel C. (See Guy and Smith, assignors.)
- Fidel Ganahl Lumber Company. (See Karches, Fred W., assignor.)
- Fidjeland, Terje A., Fostvedt, Iveland, near Christiansand, Norway. Projectile. No. 1,075,202; Oct. 7; Gaz. vol. 195; p. 212.
- Fidler, Charles A. (See Krieger and Fidler.)
- Fidler, James O., et al. (See Speck, Nicholas, assignor.)
- Fiechter, Frederick C., Jr., and J. J., Philadelphia, Pa. Lubricator. No. 1,081,951; Dec. 23; Gaz. vol. 197; p. 788.
- Fiechter, John J. (See Fiechter, Frederick C., Jr., and J. J.)
- Fiedler, Gustav M., New York, N. Y. Dark-room lantern. No. 1,077,694; Nov. 4; Gaz. vol. 196; p. 156.
- Fiedler, John L., New York, N. Y. Automatic stop mechanism. No. 1,051,569; Jan. 28; Gaz. vol. 186; p. 870.
- Fiehler, Paul T., Gordonville, Mo. Nut-lock. No. 1,071,635; Aug. 26; Gaz. vol. 193; p. 968.
- Fiehler, Paul T., Gordonville, Mo. Rail-joint. No. 1,078,341; Nov. 11; Gaz. vol. 196; p. 411.
- Field, Allan B., Norwood, Ohio, assignor to Allis-Chalmers Company and The Bullock Electric Manufacturing Company. Dynamo-electric machine. No. 1,067,782; July 15; Gaz. vol. 192; p. 712.
- Field, Bernard S. (See Giese and Field.)
- Field, Ernest G., Providence, R. I. Bottle. No. 1,057,535; Apr. 1; Gaz. vol. 189; p. 47.
- Field, Frederick T. (See Field, Jones, and Field.)
- Field, Gilbert S. (See Taylor, Robert K., assignor.)
- Field, Jesse A., Dunkirk, N. Y. Molding-machine. No. 1,079,482; Nov. 25; Gaz. vol. 196; p. 865.
- Field, Jesse A., Dunkirk, N. Y. Pattern and chaplet therefor for producing molds. No. 1,081,376; Dec. 16; Gaz. vol. 197; p. 570.
- Field, Millard F., Winthrop, assignor to M. F. Field Manufacturing Co., Incorporated, Boston, Mass. Picker-check for looms. No. 1,071,613; Aug. 26; Gaz. vol. 193; p. 961.
- Field, Samuel B., Holbrook, assignor of one-fourth to Pneumatic Scale Corporation, Limited, and three-fourths to W. H. Doble, Quincy, Mass. Drop-handle for boxes. No. 1,078,491; Nov. 11; Gaz. vol. 196; p. 462.
- Field, William T., C. E. Jones, and F. T. Field, Sanford, Fla. Lens-support. No. 1,062,540; May 20; Gaz. vol. 190; p. 745.
- Fielder, John V. (See Hoff and Fielder.)
- Fielder, William F., Lockhart, Tex. Plow. No. 1,079,850; Nov. 25; Gaz. vol. 196; p. 994.
- Fielding, George T., New York, N. Y. Advertising means. No. 1,068,875; July 29; Gaz. vol. 192; p. 1161.
- Fielding, George T., New York, N. Y. Advertising medium. No. 1,082,311; Dec. 23; Gaz. vol. 197; p. 915.
- Fields, Frank S., Portland, Oreg. Lawn-edging implement. No. 1,060,445; Apr. 29; Gaz. vol. 189; p. 1205.
- Fields, John J., New York, N. Y. Tire. No. 1,079,755; Nov. 25; Gaz. vol. 196; p. 962.
- Fienhold, Charles J., Brooklyn, N. Y. Locking device for dump-wagons of the end-dump type. No. 1,060,976; May 6; Gaz. vol. 190; p. 144.
- Fife, George H. (See Avery and Fife.)
- Fikes, Benjamin M., Cameron, Tex. Animal-trap. No. 1,054,344; Feb. 25; Gaz. vol. 187; p. 967.
- Fikes, Thomas J. (See Weaver, John R., assignor.)
- Filene, Edward A. (See Wheildon, William M., assignor.)
- Filer and Stowell Company, The. (See Pelton, George M., assignor.)
- Filer, William H., Grove City, Pa. Sign-post. No. 1,068,876; July 29; Gaz. vol. 192; p. 1162.
- Filipek, Eugen, Pforzheim, Germany. Stud. No. 1,073,032; Sept. 9; Gaz. vol. 194; p. 500.
- Filippi, Antoine P., Paris, France. Screw-propeller. No. 1,078,270; Nov. 11; Gaz. vol. 196; p. 385.
- Fill, Stanley M., Fairmont, W. Va. Fastener. No. 1,071,902; Sept. 2; Gaz. vol. 194; p. 81.
- Filliez, Peter, Canton, Ohio. Grip. No. 1,069,935; Aug. 12; Gaz. vol. 193; p. 321.
- Filliez, Peter, Canton, Ohio. Wire-stretcher. No. 1,074,084; Sept. 23; Gaz. vol. 194; p. 922.
- Fillingim, Elijah J., Pace, Fla. Sap-gatherer. No. 1,061,278; May 13; Gaz. vol. 190; p. 280.
- Fillingim, Elijah J., Pace, Fla. Nut-lock. No. 1,081,820; Dec. 16; Gaz. vol. 197; p. 717.
- Fillunger, August, Mährisch, Ostrau, Austria-Hungary. Lighting or igniting device for lamps. No. 1,057,536; Apr. 1; Gaz. vol. 189; p. 48.
- Filshie, Alexander, Atkinson, Ill. Nail. No. 1,072,107; Sept. 2; Gaz. vol. 194; p. 150.
- Filson, Seaman D., Grove City, Pa. Fuel-feed regulator for explosive-engines. No. 1,063,866; June 3; Gaz. vol. 191; p. 237.
- Filss, August, Erfurt, Germany. Talking-machine and the like. No. 1,068,877; July 29; Gaz. vol. 192; p. 1162.
- Finch, Albert E. W., Kensington, near Sydney, New South Wales, assignor of one-half to J. Channon, Hornsby, near Sydney, Australia. Live axle and shaft with variable loads usable as a brake and also as auxiliary driving power therefor. No. 1,059,533; Apr. 22; Gaz. vol. 189; p. 855.
- Finch, Arthur S., Passaic, N. J. Gear-wheel. No. 1,081,104; Dec. 9; Gaz. vol. 197; p. 438.
- Finch, Edward C., Kinsley, Kans. Oil-burner. No. 1,056,652; Mar. 18; Gaz. vol. 188; p. 746.
- Finch, James B., Superior, Wis. Railway-tie. No. 1,063,524; June 3; Gaz. vol. 191; p. 119.
- Finch, John S. (See Eames and Finch.)
- Finch, John S., Bridgeport, Conn., assignor to The Singer Manufacturing Company. Thread-controller for sewing-machines. No. 1,081,596; Dec. 16; Gaz. vol. 197; p. 642.
- Finch, Nathan W., Plano, Ill. Draft-equalizer. No. 1,061,365; May 13; Gaz. vol. 190; p. 310.
- Fincke, Oskar. (See Frank and Fincke.)
- Finckenhagen, Christian. (See Jebsen and Finckenhagen.)
- Finckh, Henry, New York, N. Y. Toy. No. 1,049,689; Jan. 7; Gaz. vol. 186; p. 127.

Alphabetical list of patentees—Continued.

- Findlay Electric Porcelain Company, The. (See Bicknell, John E., assignor.)
- Fine, Charles C., R. C., and J. W., Nanticoke, Pa. Automatic cut-off for electric water-heaters. No. 1,051,991; Feb. 4; Gaz. vol. 187; p. 49.
- Fine, Jacob W. (See Fine, Charles C., R. C., and J. W.)
- Fine, Roscoe C. (See Fine, Charles C., R. C., and J. W.)
- Fineberg, Louis, San Francisco, Cal. Heating and shaping device. No. 1,068,638; July 29; Gaz. vol. 192; p. 1077.
- Finger, Rudolph, Clinton, Ind. Folding extension-step. No. 1,060,563; Apr. 29; Gaz. vol. 189; p. 1246.
- Finger, William P., Wichita, Kans. Street-marker. No. 1,065,231; June 17; Gaz. vol. 191; p. 766.
- Finigan, William H., Sharon Hill, Pa., assignor to Gilbert & Barker Manufacturing Company, New York, N. Y. Strainer. No. 1,071,306; Aug. 26; Gaz. vol. 193; p. 859.
- Finizio, Frank, *et al.* (See Dacorsi, Edward, assignor.)
- Fink, Albert, Los Angeles, Cal., assignor to No Ice Refrigerator Company, Refrigerator. No. 1,067,724; July 15; Gaz. vol. 192; p. 692.
- Fink, Edward, Milwaukee, Wis., assignor to Fink Smelters Company, Chicago, Ill. Ore smelting and refining apparatus. No. 1,061,279; May 13; Gaz. vol. 190; p. 280.
- Fink Smelters Company. (See Fink, Edward, assignor.)
- Finkel, Louis, and A. Yolin, New York, N. Y. Sign. No. 1,055,390; Mar. 11; Gaz. vol. 188; p. 284.
- Finkelstein, Heinrich, *et al.* (See Müller, Philipp, assignor.)
- Finkenbinder, George E., and F. G. Martin, Richfield, Pa. Shingle-mill. No. 1,068,996; July 29; Gaz. vol. 192; p. 1201.
- Finkenkeller, Andrew, administrator. (See Ponsar, Theodore.)
- Finkle, Leonard J., and C. A. Sherman, Alamosa, Colo. Adjustable crutch. No. 1,068,878; July 29; Gaz. vol. 192; p. 1162.
- Finlay, Forest, Petersham, near Sydney, New South Wales, Australia, assignor to O. Imray, London, England. Roller-skate. No. 1,071,721; Sept. 2; Gaz. vol. 194; p. 17.
- Finlay, Herbert C., Sydney, New South Wales, Australia. Artisan's india-rubber glove. No. 1,066,480; July 8; Gaz. vol. 192; p. 230.
- Finlay, John K., Llano, Tex. Attachment for water-pipes. No. 1,058,572; Apr. 8; Gaz. vol. 189; p. 448.
- Finlay, John S., Wallace, Idaho. Concentrator. No. 1,080,053; Dec. 2; Gaz. vol. 197; p. 47.
- Finley, Cliff C. (See Hess, Andrew J., assignor.)
- Finley, John T., Jr., and John T., Sr., Atlanta, Ga. Combined rail-joint and locking-plate. No. 1,061,232; May 6; Gaz. vol. 190; p. 229.
- Finley, Richard G., Cleveland, Ohio. Means for hanging towels. No. 1,070,593; Aug. 19; Gaz. vol. 193; p. 589.
- Finley, Robert E., Atlanta, Ga. Chicken-roost. No. 1,070,439; Aug. 19; Gaz. vol. 193; p. 536.
- Finley, William S., Cleveland, Ohio. Coupon-slip. No. 1,054,639; Feb. 25; Gaz. vol. 187; p. 1068.
- Finn, Arthur D., Merrill, Wis. Switch-lock. No. 1,068,879; July 29; Gaz. vol. 192; p. 1163.
- Finn, James M. (See Harwood, Sumpter L., assignor.)
- Finn, Jay, Elmo, Kans. Poultry-nest. No. 1,070,255; Aug. 12; Gaz. vol. 193; p. 430.
- Finn, Joseph T. (See Wright and Finn.)
- Finn, Oliver B., Colorado Springs, Colo. Elevator-bucket. No. 1,060,833; May 6; Gaz. vol. 190; p. 93.
- Finnegan, Thomas, Swea City, Iowa. Stock-tank heater. No. 1,079,595; Nov. 25; Gaz. vol. 196; p. 906.
- Finnell, Walter S., *et al.* (See Jenkins, Thomas R., Jr., assignor.)
- Finney, Charles L., Scranton, Pa. Striking-bag. No. 1,049,835; Jan. 7; Gaz. vol. 186; p. 176.
- Finney, Charles S., St. Paul, Minn. Adjustable pool-table leg. No. 1,056,735; Mar. 25; Gaz. vol. 188; p. 821.
- Finney, Percy W. (See Finney, William C., assignor.)
- Finney, William C., assignor to P. W. Finney, Washington, D. C. Safety-razor. No. 1,051,094; Jan. 21; Gaz. vol. 186; p. 677.
- Finola Manufacturing Company *et al.* (See Jenkins, Thomas R., Jr., assignor.)
- Finsel, Andrew, Elizabeth, N. J. Cork-puller. No. 1,061,904; May 13; Gaz. vol. 190; p. 490.
- Finster, Chester G., and F. H. Tuttle, Highland Park, Mich. Speed-indicator. No. 1,059,985; Apr. 29; Gaz. vol. 189; p. 1046.
- Flori, Frank P., New York, N. Y. Hood and neck-protector. No. 1,075,247; Oct. 7; Gaz. vol. 195; p. 227.
- Flrbas, Stanislav. (See Milcinsky, Joseph, assignor.)
- Fire-Proof Furniture and Construction Company. (See Millice, Paul S., assignor.)
- Fire Protection Development Company. (See Nolen, James G., assignor.)
- Firestone, Harvey S., assignor to The Firestone Tire & Rubber Company, Akron, Ohio. Side-wire tire. No. 1,058,358; Apr. 8; Gaz. vol. 189; p. 376.
- Firestone Tire & Rubber Company, The. (See Bosworth, Percy B., assignor.)
- Firestone Tire & Rubber Company, The. (See Firestone, Harvey S., assignor.)
- Firestone Tire & Rubber Company, The. (See Moyer, Fredellia H., assignor.)
- Firestone Tire & Rubber Company, The. (See Stevens, William C., assignor.)
- Firestone Tire & Rubber Company, The. (See Turner, Charles S., assignor.)
- Firey, Alexander H., Cananea, Mexico. Steam-turbine. No. 1,063,788; June 3; Gaz. vol. 191; p. 214.
- Firm, Joseph L., Berwyn, assignor to The Goss Printing Press Company, Chicago, Ill. Multicolor web-perfecting printing-press. No. 1,052,473; Feb. 11; Gaz. vol. 187; p. 248.
- Firma Schweiz. Kommissions- und Aufbewahrungs-Haus für das in- und Ausland Tomashpolsky & Weidenfeld. (See Allemann, Arnold, assignor.)
- Firman, John A., *et al.* (See Smith, Walton D., assignor.)
- Firmin, John D. (See Hogrebe and Firmin.)
- Firsching, Joseph A., Utica, N. Y. Proportional-spacer device. No. 1,062,700; May 27; Gaz. vol. 190; p. 841.
- Firsching, Joseph A., Utica, N. Y. Cloth-marking machine. No. 1,072,708; Sept. 9; Gaz. vol. 194; p. 384.
- First Hungarian Inventors Company, The. (See Balázs, Andrew, assignor.)
- First Trust and Savings Bank, trustee. (See Campbell, Wilson L., assignor.)
- First Trust and Savings Bank, trustee. (See Erickson, Charles J., assignor.)
- First Trust and Savings Bank, trustee. (See Setter, Michael, assignor.)
- Firth and Sons, Thomas. (See Strange, Harry B., assignor.)
- Firth, William. (See Hall, Frank H., assignor.)
- Firth, William. (See Smethurst, Herbert, assignor.)
- Fiscella, Francesco, *et al.* (See Fiscella, Santo, assignor.)
- Fiscella, Salvatore, *et al.* (See Fiscella, Santo, assignor.)
- Fiscella, Santo, assignor of one-third to S. Fiscella and one-third to F. Fiscella, New York, N. Y. Non-refillable bottle. No. 1,055,154; Mar. 4; Gaz. vol. 188; p. 168.
- Fischer, August, La Fayette, Ind. Permutation-lock. No. 1,083,008; Dec. 30; Gaz. vol. 197; p. 1187.
- Fischer, Charles, New York, N. Y. Flexible tubing. No. 1,055,262; Mar. 4; Gaz. vol. 188; p. 202.
- Fischer, Charles, New York, N. Y. Flexible tubing. No. 1,055,263; Mar. 4; Gaz. vol. 188; p. 202.
- Fischer, Emil, Berlin, assignor to Farbenfabriken vorm. Friedr. Bayer & Co., Elberfeld, Germany. Derivative of piaseulenol. No. 1,074,425; Sept. 30; Gaz. vol. 194; p. 1064.
- Fischer, Emil, Berlin, assignor to Farbenfabriken vorm. Friedr. Bayer & Co., Elberfeld, Germany. High-molecular fatty acid containing arsenic. No. 1,082,509; Dec. 30; Gaz. vol. 197; p. 1013.
- Fischer, Emil, Berlin, assignor to Farbenfabriken vorm. Friedr. Bayer & Co., Elberfeld, Germany. Pharmaceutical compound. No. 1,082,510; Dec. 30; Gaz. vol. 197; p. 1013.
- Fischer, Ernst, Dietrichsdorf, near Kiel, Germany. Manufacture of armor-plating. No. 1,075,638; Oct. 14; Gaz. vol. 195; p. 391.
- Fischer, Fridrich W., Northfield, Miss. Gearing. No. 1,060,330; Apr. 29; Gaz. vol. 189; p. 1165.
- Fischer, Friedrich, and H. Heumach, Jr., Pirmasens, Germany. Removing wall-papers and the like. No. 1,070,241; Aug. 12; Gaz. vol. 193; p. 426.
- Fischer, George F., Newark, N. J. Primer for internal-combustion engines. No. 1,071,038; Aug. 26; Gaz. vol. 193; p. 769.
- Fischer, Harry. (See Francis, Calvin W., assignor.)
- Fischer, Howard L., St. Paul, Minn. Pencil. No. 1,062,274; May 20; Gaz. vol. 190; p. 660.
- Fischer, Howard L., and J. W. Dahlgren, assignors to F. G. Bradbury, St. Paul, Minn. Gravity-carrier switch. No. 1,071,636; Aug. 26; Gaz. vol. 193; p. 968.
- Fischer, Jacob. (See Cota, Daniel E., assignor.)
- Fischer, Joseph E., and N. R. Nelson, Beaver Dam, Wis. Rail clamp or anchor. No. 1,052,715; Feb. 11; Gaz. vol. 187; p. 328.
- Fischer, Louis, Philadelphia, Pa., assignor to R. H. Wright, Durham, N. C. Wrapper-folding mechanism. No. 1,050,822; Jan. 21; Gaz. vol. 186; p. 580.
- Fischer, Louis, Philadelphia, Pa., assignor to R. H. Wright, Durham, N. C. Wrapper-folder. No. 1,069,119; Aug. 5; Gaz. vol. 193; p. 10.
- Fischer, Louis, Philadelphia, Pa., assignor to R. H. Wright, Durham, N. C. Machine for introducing charges of material into receptacles. No. 1,078,492; Nov. 11; Gaz. vol. 196; p. 462.
- Fischer, Nikolaus, Philadelphia, Pa. Aeroplane. No. 1,058,573; Apr. 8; Gaz. vol. 189; p. 448.
- Fischer, Oskar. (See Fischer, Otto and O.)
- Fischer, Oskar, Berlin, Germany. Type-writing machine. No. 1,083,076; Dec. 30; Gaz. vol. 197; p. 1209.
- Fischer, Otto, assignor to Firm of R. Bosch, Stuttgart, Germany. Brush-holder attachment for magnetos. No. 1,070,793; Aug. 19; Gaz. vol. 193; p. 656.
- Fischer, Otto and O., Plauen, Germany. Warp-tying machine. No. 1,069,405; Aug. 5; Gaz. vol. 193; p. 111.

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- Fischer, Paul, Stuttgart, Germany. Gas heating-stove. No. 1,066,394; July 1; Gaz. vol. 192; p. 171.
- Fischer, Peter, assignor of one-half to A. Kirsch, Carroll, Iowa. Harrow-folding device. No. 1,051,835; Jan. 28; Gaz. vol. 186; p. 957.
- Fischer, Philip, Trenton, Ill. Trace-retainer. No. 1,057,630; Apr. 1; Gaz. vol. 189; p. 79.
- Fischer and Pruefer. (See Fischer, Sigmund, assignor.)
- Fischer, Pyrrna E., New York, N. Y. Cleaning device. No. 1,081,597; Dec. 16; Gaz. vol. 197; p. 642.
- Fiscner, Richard, Leverkusen, near Cologne, assignor to Farbenfabriken vorm. Friedr. Bayer & Co., Elberfeld, Germany. Producing stable solutions of diazotized nitranilins. No. 1,057,137; Mar. 25; Gaz. vol. 188; p. 943.
- Fischer, Robert, New York, N. Y. Lighter. No. 1,072,935; Sept. 9; Gaz. vol. 194; p. 466.
- Fischer, Robert, Brooklyn, N. Y. Safety watch-guard. No. 1,074,543; Sept. 30; Gaz. vol. 194; p. 1101.
- Fischer, Rudolf, Steglitz, near Berlin, Germany. Making photographs in natural colors. No. 1,055,155; Mar. 4; Gaz. vol. 188; p. 168.
- Fischer, Rudolf, Steglitz, Germany. Toning photographic silver pictures. No. 1,079,756; Nov. 25; Gaz. vol. 196; p. 962.
- Fischer, Siegfried, Golden, Colo., assignor of one-fourth to R. E. Booraem, New York, N. Y., and one-fourth to C. R. Hill, Golden, Colo. Extracting vanadium from carnotite concentrates. No. 1,054,102; Feb. 25; Gaz. vol. 187; p. 884.
- Fischer, Sigmund, assignor to Fischer and Pruefer, Providence, R. I. Pin. No. 1,070,794; Aug. 19; Gaz. vol. 193; p. 657.
- Fischer, Walter, Hanover, Germany. Haven for dirigible airships. No. 1,058,169; Apr. 8; Gaz. vol. 189; p. 310.
- Fischer, William F. (See Simmons, Oliver G., assignor.)
- Fischman, Max, assignor of one-third to A. N. Burns and one-third to J. D. Montgomery, Toronto, Ontario, Canada. Machine for forming shoulder-pads for garments. No. 1,056,896; Mar. 25; Gaz. vol. 188; p. 859.
- Fischrupp, George, Chicago, Ill. Folding bed. No. 1,078,908; Nov. 18; Gaz. vol. 196; p. 637.
- Fischrupp, George, Chicago, Ill. Folding bed. No. 1,078,909; Nov. 18; Gaz. vol. 196; p. 638.
- Fischrupp, George, Chicago, Ill. Folding bed. No. 1,078,910; Nov. 18; Gaz. vol. 196; p. 638.
- Fish, Charles H., Wappingers Falls, N. Y. Hinge. No. 1,068,422; July 29; Gaz. vol. 192; p. 1003.
- Fish, George W., Rockford, Ill. Miter-box. No. 1,050,208; Jan. 14; Gaz. vol. 186; p. 334.
- Fish, Harold, Stratford, assignor to The Ready Tool Company, Bridgeport, Conn. Tool-holder. No. 1,056,653; Mar. 18; Gaz. vol. 188; p. 746.
- Fish, Harold, Stratford, assignor to The Ready Tool Company, Bridgeport, Conn. Tool-holder. No. 1,062,448; May 20; Gaz. vol. 190; p. 716.
- Fish, Samuel W., Plainfield, assignor to Taylor Iron & Steel Company, High Bridge, N. J. Safe or vault. No. 1,056,015; Mar. 18; Gaz. vol. 188; p. 528.
- Fish, Samuel W., Plainfield, assignor to Taylor Iron & Steel Company, High Bridge, N. J. Safe. No. 1,056,016; Mar. 18; Gaz. vol. 188; p. 528.
- Fish, William M., New York, N. Y. Safety shopping-bag. No. 1,068,232; July 22; Gaz. vol. 192; p. 898.
- Fishburne, Edward W., Richmond, Va., assignor to Richmond Stay-Bolt Drilling Machine Manufacturing Company. Boring apparatus. No. 1,060,176; Apr. 29; Gaz. vol. 189; p. 1110.
- Fishell, Lyman, Alburnett, Iowa. Safety-pin. No. 1,054,683; Mar. 4; Gaz. vol. 188; p. 10.
- Fisher, Albert H., Lincoln, Nebr. Automobile-tire. No. 1,080,818; Dec. 9; Gaz. vol. 197; p. 347.
- Fisher, Alfred E., Inglewood, Cal. Automatic reverse for planers and the like. No. 1,073,033; Sept. 9; Gaz. vol. 194; p. 500.
- Fisher, Andrew J., assignor to Illinois Concrete Machinery Co., Buda, Ill. Portable mold for concrete culverts. No. 1,079,000; Nov. 18; Gaz. vol. 196; p. 670.
- Fisher Body Company. (See Methven, Archibald D., assignor.)
- Fisher, Charles, assignor to The Automatic Recording Safe Company, Chicago, Ill. Savings-bank. No. 1,072,709; Sept. 9; Gaz. vol. 194; p. 384.
- Fisher, Charles, assignor to The Automatic Recording Safe Company, Chicago, Ill. Savings-bank. No. 1,073,847; Sept. 23; Gaz. vol. 194; p. 842.
- Fisher, Charles E., Verplanck, assignor of one-half to W. B. Jaycox, Peekskill, N. Y. Valve-spigot. No. 1,064,305; June 10; Gaz. vol. 191; p. 423.
- Fisher, Daniel C., Boston, Mass. Automatic weighing and feeding machine for textile fibers. No. 1,055,391; Mar. 11; Gaz. vol. 188; p. 284.
- Fisher, Daniel C., assignor to M. A. Fisher, Boston, Mass. Feeding mechanism for carding-engines. No. 1,050,205; Dec. 2; Gaz. vol. 197; p. 100.
- Fisher, Daniel R., Taughannock Falls, N. Y. Motor-cycle frame. No. 1,056,897; Mar. 25; Gaz. vol. 188; p. 859.
- Fisher, Dudley T., Columbus, Ohio, assignor to The Jeffrey Manufacturing Company. Locomotive. No. 1,053,981; Feb. 25; Gaz. vol. 187; p. 843.
- Fisher, Dudley T., Columbus, Ohio, assignor to The Jeffrey Manufacturing Company. Cable-reeling mechanism for electric locomotives. No. 1,058,574; Apr. 8; Gaz. vol. 189; p. 449.
- Fisher, Edward C., Lincoln, Ill. Davenport. No. 1,064,306; June 10; Gaz. vol. 191; p. 423.
- Fisher, Edwin H., assignor to Scientific Materials Company, Pittsburgh, Pa. Gas-burner. No. 1,051,367; Jan. 21; Gaz. vol. 186; p. 767.
- Fisher, Edwin H., assignor to Scientific Materials Company, Pittsburgh, Pa. Gas-burner. No. 1,078,726; Nov. 18; Gaz. vol. 196; p. 575.
- Fisher, Edwin M. S. (See Fisher, Harry L. and E. M. S.)
- Fisher, Ernest F., Pittsburgh, Pa. Hydrodynamic balance. No. 1,049,836; Jan. 7; Gaz. vol. 186; p. 176.
- Fisher, Ernst H., Philadelphia, Pa. Spring-wheel. No. 1,053,166; Feb. 18; Gaz. vol. 187; p. 528.
- Fisher, Fred J., Detroit, Mich. Concealed hinge. No. 1,058,740; Apr. 15; Gaz. vol. 189; p. 543.
- Fisher, Frederick C. (See Caneavri, Joseph, assignor.)
- Fisher, Frederick N., Columbus, Kans. Automatic air-coupling. No. 1,074,356; Sept. 30; Gaz. vol. 194; p. 1042.
- Fisher, George A., and J. A. Morrison, Minneapolis, Minn. Device for removing obstructions from closet-bowls, &c. No. 1,051,992; Feb. 4; Gaz. vol. 187; p. 49.
- Fisher, George W., assignor of one-third to E. H. Tucker and one-third to C. W. Wackershauser, Tacoma, Wash. Ore-separator. No. 1,061,830; May 13; Gaz. vol. 190; p. 467.
- Fisher, George W. K., Vancouver, Wash. Trap. No. 1,067,909; July 22; Gaz. vol. 192; p. 788.
- Fisher, Glenn. (See Hyler and Fisher.)
- Fisher, Harry A., assignor to The Trumbull Electric Manufacturing Company, Plainville, Conn. Fastener for panel-cabinets. No. 1,051,948; Feb. 4; Gaz. vol. 187; p. 35.
- Fisher, Harry L. and E. M. S., Muscatine, Iowa. Heater for drinking-fountains. No. 1,075,344; Oct. 14; Gaz. vol. 195; p. 287.
- Fisher, Harvey L., assignor to Burroughs Adding Machine Company, Detroit, Mich. Adding-machine. No. 1,065,674; June 24; Gaz. vol. 191; p. 956.
- Fisher, Henry L., assignor to Landis Machine Company, Waynesboro, Pa. Screw-cutting die-head. No. 1,075,203; Oct. 7; Gaz. vol. 195; p. 212.
- Fisher, Jacob, Roann, Ind. Fence-wire fastener for fence-posts. No. 1,079,043; Nov. 18; Gaz. vol. 196; p. 686.
- Fisher, James C., assignor of one-half to The New England Electric Company, Denver, Colo. Adjustable iron cabinet-box for electric-light-wiring cut-outs. No. 1,066,805; July 8; Gaz. vol. 192; p. 344.
- Fisher, Joel E., Jr., New Haven, Conn. Automatic braking device for automobiles. No. 1,054,640; Feb. 25; Gaz. vol. 187; p. 1068.
- Fisher, John E., and T. M. Andrews, Nashville, Tenn. Spring-wheel. No. 1,069,686; Aug. 12; Gaz. vol. 193; p. 235.
- Fisher, John H., et al. (See Duryea, Charles E., assignor.)
- Fisher, John I., Louisville, Ky. Calendar. No. 1,051,495; Jan. 28; Gaz. vol. 186; p. 845.
- Fisher, John L., Pekin, Ill. Vise. No. 1,061,461; May 13; Gaz. vol. 190; p. 343.
- Fisher, John W., Newberry, Pa. Horseshoe-calk. No. 1,066,097; July 1; Gaz. vol. 192; p. 68.
- Fisher, Mary A. (See Fisher, Daniel C., assignor.)
- Fisher, Melville H. O. (See Buell, Albert W., assignor.)
- Fisher, Milan H., assignor to F. L. Tarbell, Chicago, Ill. Ice-cream-cone dispenser. No. 1,076,967; Oct. 28; Gaz. vol. 195; p. 933.
- Fisher, Oliver J., Walpole, Mass. Insulator. No. 1,066,395; July 1; Gaz. vol. 192; p. 172.
- Fisher, Oliver W., Painesville, Ohio. Topping mechanism for vegetable-harvesters. No. 1,082,625; Dec. 30; Gaz. vol. 197; p. 1055.
- Fisher, Samuel J., Asheville, N. C. Attachment for bath-tubs. No. 1,054,834; Mar. 4; Gaz. vol. 188; p. 63.
- Fisher, Stacey, Cleveland, Ohio. Combined system of regenerative heating and ventilation. No. 1,059,600; Apr. 22; Gaz. vol. 189; p. 876.
- Fisher, William, Manningham, Bradford, England. Machinery for waving and crimping hair and other fibrous material. No. 1,067,103; July 8; Gaz. vol. 192; p. 443.
- Fisher, William, North Tawton, England. Rotary engine. No. 1,069,641; Aug. 5; Gaz. vol. 193; p. 190.
- Fisher, William C., assignor to The Russell Manufacturing Company, Middletown, Conn. Brake-shoe. No. 1,078,039; Nov. 11; Gaz. vol. 196; p. 305.
- Fisher, William C., assignor to The Russell Manufacturing Company, Middletown, Conn. Brake-shoe. No. 1,078,040; Nov. 11; Gaz. vol. 196; p. 306.
- Fisher, William C., assignor to The Russell Manufacturing Company, Middletown, Conn. Brake-shoe. No. 1,078,041; Nov. 11; Gaz. vol. 196; p. 306.
- Fisk, Carroll E. (See Hancock and Fisk.)
- Fisk, Clark F., Allentown, N. J. Reversible tire-tread. No. 1,070,440; Aug. 19; Gaz. vol. 193; p. 536.
- Fisk, Henry C., Stafford, Conn. Stabilizer for aeroplanes. No. 1,072,710; Sept. 9; Gaz. vol. 194; p. 384.

Alphabetical list of patentees—Continued.

- Fisk, Henry C., Stafford, Conn. Stabilizer for aeroplanes. No. 1,082,688; Dec. 30; Gaz. vol. 197; p. 1076.
- Fisk Rubber Company. (See Cole, John C., assignor.)
- Fiske, Franklin S., Baltimore, Md. Orange and lemon juice and pulp extractor. No. 1,061,734; May 13; Gaz. vol. 190; p. 439.
- Fiske, G. Walter, *et al.* (See Geiger, Charles E., assignor.)
- Fiske, Josiah M., New York, N. Y. Treating quebracho. No. 1,081,730; Dec. 16; Gaz. vol. 197; p. 684.
- Fitch, Asba B., Chicago, Ill. Holder for conductors' checks or tickets. No. 1,060,072; Apr. 29; Gaz. vol. 189; p. 1075.
- Fitch, Belle G., Philadelphia, Pa. Head-protector for babies. No. 1,072,321; Sept. 2; Gaz. vol. 194; p. 219.
- Fitch, Joseph H. (See Butts, Newton L., assignor.)
- Fitch, Mathias, Hantertown, Ind. Line-reel. No. 1,067,329; July 15; Gaz. vol. 192; p. 559.
- Fitch, William H., Fort Worth, Tex. Circuit-closing device for doors. No. 1,077,877; Nov. 4; Gaz. vol. 196; p. 217.
- Fitch, William H., assignor to Richards-Wilcox Manufacturing Company, Aurora, Ill. Door-hanger. No. 1,065,794; June 24; Gaz. vol. 191; p. 996.
- Fite, Cephas V., Charlotte, N. C. Thermostatic circuit-closer. No. 1,074,544; Sept. 30; Gaz. vol. 194; p. 1102.
- Fithian, Charles B. (See Stanger and Fithian.)
- Fithian, Frank L., Haddonfield, N. J. Tip-cup. No. 1,053,021; Feb. 11; Gaz. vol. 187; p. 433.
- Fitts, Charles F., assignor to Rodger Ballast Car Company, Chicago, Ill. Ballast-spreading attachment for cars. No. 1,054,913; Mar. 4; Gaz. vol. 188; p. 89.
- Fitts, James L., Pensauken township, Camden county, N. J., assignor to Warren Webster & Company. Multiple-cell thermostat. No. 1,070,027; Aug. 12; Gaz. vol. 193; p. 352.
- Fitts, James L., Merchantville, N. J., assignor to Warren Webster & Company. Steam-heating apparatus. No. 1,080,104; Dec. 2; Gaz. vol. 197; p. 65.
- Fitz, Emanuel, Red Cloud, Nebr. Adjustable gage and marker. No. 1,066,592; July 8; Gaz. vol. 192; p. 270.
- Fitz Gerald, Patrick F., New York, N. Y. Operating device for window-sashes. No. 1,055,156; Mar. 4; Gaz. vol. 188; p. 169.
- Fitzer, Louis A., Los Angeles, Cal. Electric water-purifier. No. 1,080,005; Dec. 2; Gaz. vol. 197; p. 30.
- FitzGerald, John W. (See Annable and FitzGerald.)
- FitzGerald, John W., assignor to Ignition Starter Company, Detroit, Mich. Engine-starter. No. 1,051,207; Jan. 21; Gaz. vol. 186; p. 713.
- Fitzgerald, Augustus. (See Crowley and Fitzgerald.)
- Fitzgerald, Edward J., Roxbury, Mass., assignor to E. and W. Toggle Co. Toggle. No. 1,082,075; Dec. 23; Gaz. vol. 197; p. 832.
- Fitzgerald, Eurith L., Cambridge, Md. Hide-stretcher. No. 1,064,632; June 10; Gaz. vol. 191; p. 535.
- Fitzgerald, James H., Danville, Va. Railway-signal. No. 1,049,351; Jan. 7; Gaz. vol. 186; p. 11.
- Fitzgerald, James O., Jr. (See Ferguson and Fitzgerald.)
- Fitzgerald, Jeremiah C., Kilbourn, Wis. Raising and lowering carrying apparatus. No. 1,056,092; Mar. 18; Gaz. vol. 188; p. 553.
- Fitzgerald, John E., Boston, Mass. Skirt-placket fastener. No. 1,070,953; Aug. 19; Gaz. vol. 193; p. 706.
- Fitzgerald, John E., Boston, Mass. Collar-fastener. No. 1,080,819; Dec. 9; Gaz. vol. 197; p. 347.
- Fitzgerald, Thomas, Fredonia, N. Y. Joint-filling machine. No. 1,052,578; Feb. 11; Gaz. vol. 187; p. 282.
- Fitzgerald, Walter L., Philadelphia, Pa. Electrically-controlled indicator. No. 1,079,229; Nov. 18; Gaz. vol. 196; p. 748.
- Fitzpatrick, George J., Chicago, Ill. Voucher-sheet. No. 1,068,118; July 22; Gaz. vol. 192; p. 857.
- Fitzpatrick, Lloyd A., Klamath Falls, Oreg. Tool for setting jewels. No. 1,067,104; July 8; Gaz. vol. 192; p. 443.
- Fitzpatrick, Mae, Victoria, British Columbia, Canada. Veil-display rack. No. 1,071,722; Sept. 2; Gaz. vol. 194; p. 18.
- Fitzpatrick, Thomas. (See Jones and Fitzpatrick.)
- Fitzsimons, Oscar S. (See Goodwin, Dwight S., assignor.)
- Flvesbiling, Albert D., assignor of one-half to R. Reed, Buffalo, N. Y. Broom-bridle. No. 1,061,735; May 13; Gaz. vol. 190; p. 440.
- Fixel, Arthur E., *et al.*, trustees. (See Burton, Frank, assignor.)
- Fixmer, Hugh J., Edison Park, Ill. Corner-bar. No. 1,066,196; July 1; Gaz. vol. 192; p. 105.
- Fjellander, Edward, Chicago, Ill. Matrix-changing device for Mergenthaler linotypes. No. 1,053,167; Feb. 18; Gaz. vol. 187; p. 528.
- Flachslaender, Joseph, K. P. Grälet, Elberfeld, and M. Buff, Vohwinkel, near Elberfeld, assignors to Farbenfabriken vorm. Friedr. Bayer & Co., Elberfeld, Germany. Green sulfur dye. No. 1,081,598; Dec. 16; Gaz. vol. 197; p. 643.
- Flachslaender, Joseph, K. P. Grälet, Elberfeld, and M. Buff, Vohwinkel, near Elberfeld, assignors to Farbenfabriken vorm. Friedr. Bayer & Co., Elberfeld, Germany. Green coloring-matter containing sulfur. No. 1,081,599; Dec. 16; Gaz. vol. 197; p. 643.
- Flachslaender, Joseph, K. P. Grälet, Elberfeld, and M. Buff, Vohwinkel, near Elberfeld, assignors to Farbenfabriken vorm. Friedr. Bayer & Co., Elberfeld, Germany. Olive-green sulfur dye. No. 1,081,600; Dec. 16; Gaz. vol. 197; p. 643.
- Flachslaender, Joseph, K. P. Grälet, Elberfeld, and M. Buff, Vohwinkel, near Elberfeld, assignors to Farbenfabriken vorm. Friedr. Bayer & Co., Elberfeld, Germany. Catechu-brown sulfur dye. No. 1,081,601; Dec. 16; Gaz. vol. 197; p. 644.
- Flachslaender, Joseph, K. P. Grälet, Elberfeld, and M. Buff, Vohwinkel, near Elberfeld, assignors to Farbenfabriken vorm. Friedr. Bayer & Co., Elberfeld, Germany. Brown sulfur coloring-matter. No. 1,081,602; Dec. 16; Gaz. vol. 197; p. 644.
- Flad, George F. (See Zeeman, Flad, and Wilson.)
- Flagg, Fred F., assignor to J. A. Sherman, Worcester, Mass. Die for cutting paper. No. 1,057,138; Mar. 25; Gaz. vol. 188; p. 944.
- Flagg, John L., Hackensack, and F. T. Towers, Hawthorne, assignors to Watson-Electric Co., Paterson, N. J. Electric fire-alarm system. No. 1,075,314; Oct. 7; Gaz. vol. 195; p. 253.
- Flagg, Joseph W., Worcester, assignor of one-half to H. A. Walker, Boston, Mass. Garment-support. No. 1,079,330; Nov. 25; Gaz. vol. 196; p. 813.
- Flagg, William H., Syracuse, N. Y. Gate. No. 1,073,848; Sept. 23; Gaz. vol. 194; p. 842.
- Flak, Peter A., New York, N. Y. Finger-print-card clip. No. 1,056,524; Mar. 18; Gaz. vol. 188; p. 703.
- Flamisch, Joseph. (See Merkel, Lewis W., assignor.)
- Flanagan, Irving M., Schenectady, N. Y. Shade-bracket. No. 1,082,939; Dec. 30; Gaz. vol. 197; p. 1164.
- Flanders, Louis H., Jenkintown, Pa. Electrical system of distribution. No. 1,051,949; Feb. 4; Gaz. vol. 187; p. 36.
- Flanders, Otis S., Chilmark, assignor of one-twentieth to J. M. Vincent, Vineyard Haven, Mass. Attachment for planes. No. 1,080,546; Dec. 9; Gaz. vol. 197; p. 251.
- Flanders, Warren B., assignor, by mesne assignments, to The Colonial Trust Company, trustee, Pittsburgh, Pa. Turbine-blade. No. 1,050,119; Jan. 14; Gaz. vol. 186; p. 305.
- Flanders, Warren B., Pittsburgh, Pa., assignor to The Westinghouse Machine Company. Blade-mounting. No. 1,057,139; Mar. 25; Gaz. vol. 188; p. 944.
- Flanders, Warren B., Pittsburgh, Pa., assignor to The Westinghouse Machine Company. Turbine-controlling mechanism. No. 1,082,689; Dec. 30; Gaz. vol. 197; p. 1076.
- Flannery Bolt Company. (See Dodds, Ethan I., assignor.)
- Flannery, Thomas F., New Britain, Conn. Stub-cock. No. 1,057,337; Mar. 25; Gaz. vol. 188; p. 1008.
- Flannery, William C., Washington, D. C. Constructing sewers, aqueducts, &c. No. 1,063,672; June 3; Gaz. vol. 191; p. 175.
- Flatau, Louis S., assignor of one-third to D. C. Wray and one-third to T. A. Wray, St. Louis, Mo. Metallic barrel. No. 1,049,837; Jan. 7; Gaz. vol. 186; p. 177.
- Flatau, Louis S., assignor of one-third to D. C. Wray and one-third to L. A. Wray, St. Louis, Mo. Metallic barrel. No. 1,053,487; Feb. 18; Gaz. vol. 187; p. 639.
- Flateboe, Einar T. (See Hild and Flateboe.)
- Flateboe, Einar T. (See Nelson and Flateboe.)
- Fleagle, Harry S., Farrar, Iowa. Hog-trap. No. 1,078,911; Nov. 18; Gaz. vol. 196; p. 639.
- Flecksteiner, Joseph H. (See Currie, Jasper J., assignor.)
- Fledderjohann, Henry E., New Knoxville, Ohio. Twin-cylinder reversible turbine. No. 1,064,824; June 17; Gaz. vol. 191; p. 634.
- Flegel, Harrison D., assignor of one-half to W. H. Lingsweiler, Racine, Wis. Liquid-gage. No. 1,067,477; July 15; Gaz. vol. 192; p. 608.
- Fleisch, Rupert, Koblenz, Germany. Engraving-machine. No. 1,058,955; Apr. 15; Gaz. vol. 189; p. 620.
- Fleischer, Herman, assignor to The Stanley Works, New Britain, Conn. Butt hinge, and the like. No. 1,076,968; Oct. 28; Gaz. vol. 195; p. 933.
- Fleischmann Company, The. (See Keyes, James A., assignor.)
- Fleischmann, Samuel, assignor of one-half to J. Braun, Indianapolis, Ind. Fender for vehicles. No. 1,072,108; Sept. 2; Gaz. vol. 194; p. 150.
- Fleishman, Joseph, assignor of one-half to G. W. Clark, Winthrop, Wash. Fish-guard for ditches. No. 1,063,344; June 3; Gaz. vol. 191; p. 59.
- Fleissner, George J., Washington, Pa. Composite railway-tie and rail-fastener. No. 1,069,120; Aug. 5; Gaz. vol. 193; p. 11.
- Fleitz, Leo A. (See Sample and Fleitz.)
- Fleming, Alexander, Cedar Rapids, Iowa. Fence-post mold. No. 1,049,352; Jan. 7; Gaz. vol. 186; p. 12.
- Fleming, Charles O. (See Garrett, Edward S., assignor.)
- Fleming, Clifford A., Huntsville, Mo. Radius-jack. No. 1,075,639; Oct. 14; Gaz. vol. 195; p. 391.
- Fleming, Daisy, assignor of one-half to W. T. Remington, Sacramento, Cal. Syringe. No. 1,064,307; June 10; Gaz. vol. 191; p. 424.

Alphabetical list of patentees—Continued.

- Fleming, David S., and E. Jones, Estacada, Oreg. Computing-bin. No. 1,078,912; Nov. 18; Gaz. vol. 196; p. 639.
- Fleming, Fenton B., *et al.* (See Tuttle, George H., assignor.)
- Fleming, Fenton B. (See Tuttle and Fleming.)
- Fleming, James M., Pensacola, Fla. Adjustable seat-back for automobiles. No. 1,058,575; Apr. 8; Gaz. vol. 189; p. 449.
- Fleming, James R., Scranton, Pa. Car wheel and axle. No. 1,056,525; Mar. 18; Gaz. vol. 188; p. 703.
- Fleming, James R., Scranton, Pa. Journal-bearing. No. 1,075,204; Oct. 7; Gaz. vol. 195; p. 212.
- Fleming, John M., Newark, Ohio. Railway-tie and fastener. No. 1,060,446; Apr. 29; Gaz. vol. 189; p. 1206.
- Fleming, John W., *et al.* (See Freeman, William M., assignor.)
- Fleming, Lucian A., La Junta, Colo. Screw-driving machine. No. 1,057,230; Mar. 25; Gaz. vol. 188; p. 975.
- Fleming, Luke G., Tarrytown, N. Y. Tire-fastener. No. 1,061,905; May 13; Gaz. vol. 190; p. 490.
- Fleming, Richard, and C. A. B. Halvorson, Jr., Lynn, Mass., assignors to General Electric Company. Arc-lamp. No. 1,078,913; Nov. 18; Gaz. vol. 196; p. 640.
- Fleming, Smith, assignor of one-half to G. N. Sheldon, Seattle, Wash. Guard for band-saws. No. 1,054,288; Feb. 25; Gaz. vol. 187; p. 946.
- Fleming, Stephen H., Chicago, Ill. Garment-stay. No. 1,059,291; Apr. 15; Gaz. vol. 189; p. 735.
- Fleming, Stephen H., and O. A. Langos, assignors to L. L. Miller, trustee, Chicago, Ill. Machine for applying stays to soft-metal tubes. No. 1,051,095; Jan. 21; Gaz. vol. 186; p. 677.
- Fleming, Thomas J. (See Carpenter and Fleming.)
- Fleming, Willard S., *et al.* (See Hahn, Herman, assignor.)
- Flemish Art Company. (See Baer and Malmquist, assignors.)
- Flemming, Charles F., Washington, D. C. Train-derailer. No. 1,079,230; Nov. 18; Gaz. vol. 196; p. 749.
- Flesheim, Sylvester W., assignor to The Master Builders Company, Cleveland, Ohio. Bonding concrete. (Reissue.) No. 13,598; July 22; Gaz. vol. 192; p. 959.
- Fletcher, Arthur J. (See Thornburg, Samuel A., assignor.)
- Fletcher, Edson W., Searsport, Me. Engine. No. 1,080,272; Dec. 2; Gaz. vol. 197; p. 124.
- Fletcher, Edward F. (See Bemis, Gilbert C., assignor.)
- Fletcher, Elmer, assignor to M. P. Rae, Chicago, Ill. Advertising device. No. 1,050,936; Jan. 21; Gaz. vol. 186; p. 622.
- Fletcher, George E., Anaheim, Cal. Railway-crossing. No. 1,064,202; June 10; Gaz. vol. 191; p. 389.
- Fletcher, Henry C., New Castle, Pa. Collar. No. 1,079,696; Nov. 25; Gaz. vol. 196; p. 939.
- Fletcher, Hillery K., Montpelier, La. Cross-tie for railway-rails. No. 1,083,077; Dec. 30; Gaz. vol. 197; p. 1209.
- Fletcher, Randall H., Llanishen, Wales, assignor, by mesne assignments, to The Alvey-Ferguson Company, Cincinnati, Ohio. Conveyor. No. 1,065,349; June 24; Gaz. vol. 191; p. 844.
- Fletcher, Samuel J., Ashfield, New South Wales, Australia. Bedstead-knob. No. 1,081,105; Dec. 9; Gaz. vol. 197; p. 438.
- Fletcher, Warren, Hemet, Cal. Tree-prop. No. 1,051,208; Jan. 21; Gaz. vol. 186; p. 714.
- Fletcher, Wendell C., St. Louis, Mo., and L. E. Brown, Somerset, Ky., assignors to American Steel Foundries, New York, N. Y. Device for reclaiming sand. No. 1,079,979; Dec. 2; Gaz. vol. 197; p. 21.
- Fletcher, William H., Paterson, N. J. Humidifier. No. 1,053,802; Feb. 18; Gaz. vol. 187; p. 746.
- Flett, William, Hyde Park, Mass. Lifting-jack. No. 1,079,697; Nov. 25; Gaz. vol. 196; p. 939.
- Fleuss, Henry A., Thatcham, assignor to The Pulsometer Engineering Company, Limited, Reading, England. Air-pump. No. 1,050,767; Jan. 14; Gaz. vol. 186; p. 526.
- Flexer, Samuel E. (See Dreisbach, Flexer, and Slagle.)
- Flexume Sign Company. (See Wiley and Hough, assignors.) (Reissue.)
- Flick, Berthold, and P. Reinig, Berlin-Mariendorf, Germany. Flying device. No. 1,076,879; Oct. 28; Gaz. vol. 195; p. 902.
- Flick, George T., assignor to O. Schwegler, Philadelphia, Pa. Hosiery-finishing board. No. 1,075,346; Oct. 14; Gaz. vol. 195; p. 287.
- Flick, John I., Waterville, Nova Scotia, Canada. Game of cards. No. 1,066,895; July 8; Gaz. vol. 192; p. 374.
- Flicker, Michael, Los Angeles, Cal. Hat-blocking apparatus. No. 1,080,820; Dec. 9; Gaz. vol. 197; p. 348.
- Flinker, Leon A., New York, N. Y., assignor to The Keenoh Company, Detroit, Mich. Stropping-machine. No. 1,081,284; Dec. 9; Gaz. vol. 197; p. 500.
- Flinker, Leon A., assignor to The Keenoh Company, Detroit, Mich. Honing and stropping machine. No. 1,081,285; Dec. 9; Gaz. vol. 197; p. 501.
- Flinker, Leon A., and J. Schade, Jr., New York, N. Y., assignors to The Keenoh Company, Detroit, Mich. Razor stropping and sharpening mechanism. No. 1,081,283; Dec. 9; Gaz. vol. 197; p. 500.
- Flint, Eugene W., Orange, assignor to Home Novelty Company, Santa Ana, Cal. Vending-machine. No. 1,067,870; July 22; Gaz. vol. 192; p. 775.
- Flint, Lewis R., Lansing, assignor of one-half to H. E. Hill, Galesburg, Mich. Fender. No. 1,081,821; Dec. 16; Gaz. vol. 197; p. 717.
- Flint, Louis J., assignor to Grip Nut Company, Chicago, Ill. Magneto-generator. No. 1,062,089; May 20; Gaz. vol. 190; p. 597.
- Flint, Louis J., assignor to Grip Nut Company, Chicago, Ill. Interrupter. No. 1,062,090; May 20; Gaz. vol. 190; p. 597.
- Flint, William A., J. B. McDonald, and D. H. Crabbs, Vincennes, Ind. Churn. No. 1,052,230; Feb. 4; Gaz. vol. 187; p. 133.
- Flitner, Stanwood E., Englewood, N. J. Game apparatus. No. 1,054,757; Mar. 4; Gaz. vol. 188; p. 36.
- Flock, Hermann, Leipzig, Germany. Producing placards with sunk characters or imprints. No. 1,061,059; May 6; Gaz. vol. 190; p. 173.
- Flood, John R., assignor to Unique Specialty Company, Spokane, Wash. Vault-door. No. 1,071,723; Sept. 2; Gaz. vol. 194; p. 18.
- Flora, Ellsworth E., assignor to Simplex Metal Bound Box Company, Chicago, Ill. Box-blank-finishing machine. No. 1,056,017; Mar. 18; Gaz. vol. 188; p. 528.
- Flora, Ellsworth E., assignor to Sharp & Smith, Chicago, Ill. Exercising appliance. No. 1,082,940; Dec. 30; Gaz. vol. 197; p. 1164.
- Florack, Joseph G., Rochester, N. Y. Antiskid attachment for automobile-tires. No. 1,077,401; Nov. 4; Gaz. vol. 196; p. 57.
- Florence Electric Tray Company. (See Boomer, Richard, assignor.)
- Floreys, Tilghman J., Washington, N. J., assignor to American Sanitary Works, New York, N. Y. Dovetail joint. No. 1,067,910; July 22; Gaz. vol. 192; p. 788.
- Florsheim, Leonard S., Chicago, Ill. Hose-supporter clasp. No. 1,078,493; Nov. 11; Gaz. vol. 196; p. 463.
- Flory Carry Iron Company. (See Westlake, Charles T., assignor.)
- Flössel, Carl, Munich, Germany. Gas-purifier. No. 1,053,982; Feb. 25; Gaz. vol. 187; p. 844.
- Flower, Frank. (See Schwery, Joseph F., assignor.)
- Flower, Ward Z., Gibbon, Minn. Valve for internal-combustion engines. No. 1,066,593; July 8; Gaz. vol. 192; p. 270.
- Flowers, Edgar L. (See Martin and Flowers.)
- Floyd, George G., Chicago, Ill., assignor to American Steel Foundries, New York, N. Y. Pedestal side frame. No. 1,079,980; Dec. 2; Gaz. vol. 197; p. 21.
- Floyd, George W., Spokane, Wash. Double-sheave block. No. 1,077,268; Nov. 4; Gaz. vol. 196; p. 9.
- Floyd, John B., assignor to Southern Standard Cotton Grader Company, Birmingham, Ala. Cotton-grader. No. 1,057,379; Mar. 25; Gaz. vol. 188; p. 1023.
- Floyd, Robert W., New York, N. Y. Razor-strop. No. 1,050,778; Jan. 14; Gaz. vol. 186; p. 529.
- Flues, Emil, assignor to Ithaca Gun Company, Ithaca, N. Y. Cocking and safety mechanism for breakdown guns. No. 1,070,441; Aug. 19; Gaz. vol. 193; p. 536.
- Flues, Emil, assignor to The Ithaca Gun Company, Ithaca, N. Y. Safety mechanism for breakdown guns. No. 1,071,994; Sept. 2; Gaz. vol. 194; p. 112.
- Flügeltaub, Herman, assignor of one-half to W. Weisman, Minneapolis, Minn. Device for stopping leaks in boats. No. 1,060,177; Apr. 29; Gaz. vol. 189; p. 1110.
- Flugger, John C., San Francisco, Cal. Door-hanger. No. 1,067,725; July 15; Gaz. vol. 192; p. 693.
- Fluhart, Laurence M., Des Plaines, Ill. Electric-lamp holder and reflector. No. 1,080,904; Dec. 9; Gaz. vol. 197; p. 374.
- Flume Improvement Company, The. (See Maginnis, Patrick, assignor.)
- Flürscheim, Bernhard J., Fleet, England. Reduction of meta-nitro derivatives of hydrocarbons of the benzene series. No. 1,074,545; Sept. 30; Gaz. vol. 194; p. 1102.
- Fly, Thomas M., Little Rock, Ark. Portable canopy-support. No. 1,056,654; Mar. 18; Gaz. vol. 188; p. 746.
- Flynn, Edward C., *et al.* (See Flynn and Payne, assignors.)
- Flynn, Edward C., and F. W. Payne, assignors of one-half to said Flynn and one-half to R. Stephenson, Binghamton, N. Y. Paste-cup. No. 1,055,028; Mar. 4; Gaz. vol. 188; p. 128.
- Flynn, Peter J., Pittsburgh, Pa. Feed-bag support. No. 1,053,721; Feb. 18; Gaz. vol. 187; p. 721.
- Flynt, Louis W. G., Rochester, N. Y., assignor, by mesne assignments, to United Shoe Machinery Company, Paterson, N. J. Machine for burnishing stitch impressions. No. 1,069,090; July 29; Gaz. vol. 192; p. 1235.
- Flynt, Louis W. G., Chicago, Ill., assignor to United Shoe Machinery Company, Paterson, N. J. Wheeling and edge-setting machine. No. 1,080,961; Dec. 9; Gaz. vol. 197; p. 394.
- Fodor, Otto. (See Kopetschni, Karczag, and Fodor.)

Alphabetical list of patentees—Continued.

- Foell, Otto. (See Neckerman and Foell.)
 Foerst, George, Jersey City, N. J. T-square. No. 1,082,626; Dec. 30; Gaz. vol. 197; p. 1055.
 Foerster, Frederick, Elizabeth, N. J. Automatic fish-hook. No. 1,081,106; Dec. 9; Gaz. vol. 197; p. 438.
 Foersterling, Hans, Perth Amboy, N. J., assignor to The Roessler & Hasslacher Chemical Co., New York, N. Y. Preparing a precious-metal-dissolving means. No. 1,076,006; Oct. 14; Gaz. vol. 195; p. 515.
 Fogg, Charles F., New York, N. Y., assignor, by mesne assignments, to Automatic Bookkeeping Register Company, Register. (Reissue.) No. 13,624; Oct. 7; Gaz. vol. 195; p. 255.
 Fogg, Ernest, Newcastle-upon-Tyne, England. Artificial teeth. No. 1,070,442; Aug. 19; Gaz. vol. 193; p. 537.
 Foggins, William S., Newcastle-upon-Tyne, England. Workman's time-recorder. No. 1,064,308; June 10; Gaz. vol. 191; p. 424.
 Fogler, George L., Pittsburgh, Pa. Furnace-burner. No. 1,069,243; Aug. 5; Gaz. vol. 193; p. 56.
 Fogli, Charles B., Chicago, Ill. Rail-joint. No. 1,068,639; July 29; Gaz. vol. 192; p. 1077.
 Foisy, Antoine R. (See Paré, Omer, assignor.)
 Folden, Frank H., Blair, Nebr. Multimolding concrete-block machine. No. 1,058,170; Apr. 8; Gaz. vol. 189; p. 310.
 Foley, Charles H., Sherman, Tex. Grading-machine. No. 1,075,774; Oct. 14; Gaz. vol. 195; p. 435.
 Foley, James S., West Bromwich, and H. N. Collis, Stourbridge, England. Cork or closure member for bottles, containers, and the like. No. 1,060,534; Apr. 29; Gaz. vol. 189; p. 1236.
 Foley, Thomas F. (See Mercer, Samuel J., assignor.)
 Foley, William H. (See Dikeman, Harvey, assignor.)
 Folger, Harry S., Chicago, Ill., and A. M. Comstock, Muskegon, Mich., assignors to H. S. Folger and O. Romel, trustees, Chicago, Ill. Hand-stamp. No. 1,053,803; Feb. 18; Gaz. vol. 187; p. 747.
 Folger, Harry S., Chicago, Ill., and A. M. Comstock, Muskegon, Mich., assignors to H. S. Folger and O. Romel, trustees, Chicago, Ill. Hand-stamp. No. 1,057,380; Mar. 25; Gaz. vol. 188; p. 1023.
 Folger, Joseph W., Worcester, assignor of one-half to J. M. Frysinger, Phillips, Wis. Pivot for shears. No. 1,074,852; Oct. 7; Gaz. vol. 195; p. 89.
 Folkedal, Nils. (See Phillips and Folkedal.)
 Folkman, Sam. (See Gersitz, Julius, assignor.)
 Follett Time Recording Company, The. (See Sokolov, Jacob, assignor.)
 Folliet, Alexandre, Brussels, Belgium. Gas-furnace. No. 1,049,569; Jan. 7; Gaz. vol. 186; p. 87.
 Folliet, Alexandre, Brussels, Belgium. Zinc-furnace. No. 1,049,570; Jan. 7; Gaz. vol. 186; p. 88.
 Follow-Up-System Co. (See Zalkin, Harry, assignor.)
 Folmer, William F., assignor to Eastman Kodak Company, Rochester, N. Y. Photographic shutter. No. 1,060,331; Apr. 29; Gaz. vol. 189; p. 1165.
 Folmer, William F., assignor to Eastman Kodak Co., Rochester, N. Y. Camera-back. No. 1,060,748; May 6; Gaz. vol. 190; p. 63.
 Folmer, William F., assignor to Eastman Kodak Co., Rochester, N. Y. Focusing-hood for cameras. No. 1,060,834; May 6; Gaz. vol. 190; p. 93.
 Folmer, William F., assignor to Eastman Kodak Company, Rochester, N. Y. Multiplying camera-back. No. 1,061,736; May 13; Gaz. vol. 190; p. 440.
 Folmer, William F., assignor to Eastman Kodak Company, Rochester, N. Y. Film-spool center. No. 1,065,601; June 24; Gaz. vol. 191; p. 931.
 Folmer, William F., assignor to Eastman Kodak Company, Rochester, N. Y. Studio-chair. No. 1,074,615; Oct. 7; Gaz. vol. 195; p. 9.
 Folsom, Charles S., San Diego, Cal. Water-heater. No. 1,062,574; May 20; Gaz. vol. 190; p. 758.
 Folz, Robert L., and P. A. Zace, Chicago, Ill. Automatic stop device for automatic machines. No. 1,061,169; May 6; Gaz. vol. 190; p. 207.
 Fonó, Albert, Budapest, Austria-Hungary. Power-transmitter. No. 1,060,073; Apr. 29; Gaz. vol. 189; p. 1075.
 Font, Vincente, Habana, Cuba. Floor and roof construction. No. 1,073,972; Sept. 23; Gaz. vol. 194; p. 885.
 Fontaine, John B., assignor to Electro Weld Company, Marlboro, Mass. Heel-blackening machine. No. 1,074,707; Oct. 7; Gaz. vol. 195; p. 42.
 Fontecha, Juan M. S., Mexico, Mexico. Electric switch. No. 1,053,022; Feb. 11; Gaz. vol. 187; p. 433.
 Foote, William S. (See Livengood, Jacob S., assignor.)
 Foote Bros. Gear & Machine Co. (See Foote, John B., assignor.)
 Foote, Charles V., Nephi, Utah. Electric signaling device for moving-picture rewinding mechanisms. No. 1,068,119; July 22; Gaz. vol. 192; p. 858.
 Foote, Harvey R., Dublin, Ireland. Well-lining. No. 1,055,264; Mar. 4; Gaz. vol. 188; p. 202.
 Foote, Isaac, Superior, Nebr. Veterinary obstetrical instrument. No. 1,059,449; Apr. 22; Gaz. vol. 189; p. 827.
 Foote, John B., Oak Park, assignor to Foote Bros. Gear & Machine Co., Chicago, Ill. Speed-reducing mechanism. No. 1,059,450; Apr. 22; Gaz. vol. 189; p. 827.
 Foote, Julian E., Topeka, Kans. Rail-joint. No. 1,068,880; July 29; Gaz. vol. 192; p. 1163.
 Foote, Leslie M. (See Hanson and Foote.)
 Forand, Alexis, Jr., assignor of one-half to W. J. Forand, Fall River, Mass. Brake mechanism for looms. No. 1,059,601; Apr. 22; Gaz. vol. 189; p. 876.
 Forand, Wilfrid J. (See Forand, Alexis, Jr., assignor.)
 Forbes, Alexander, Hampstead, London, England. Trunk and other articles with lids. No. 1,079,981; Dec. 2; Gaz. vol. 197; p. 21.
 Forbes Company. (See Forbes, John S., assignor.)
 Forbes, Ewing M., Chicago, Ill. Flashing. No. 1,051,570; Jan. 28; Gaz. vol. 186; p. 871.
 Forbes, John S., Philadelphia, Pa., assignor to Forbes Company, Wilmington, Del. Sterilizer. No. 1,062,776; May 27; Gaz. vol. 190; p. 865.
 Forbes Lithograph Manufacturing Company, The. (See MacOrquodale, Lorne H., assignor.)
 Forbess, W. C. (See Slate, William L., assignor.)
 Forbis, Frank H., Austin, Tex. Mold. No. 1,067,420; July 15; Gaz. vol. 192; p. 590.
 Force, Arthur C., Roberts, Idaho. Trap. No. 1,064,633; June 10; Gaz. vol. 191; p. 535.
 Force, David E., Jersey City, N. J. Music or leaf holder. No. 1,060,332; Apr. 29; Gaz. vol. 189; p. 1166.
 Force, Edwin, et al. (See Ferguson, Lyman H., assignor.)
 Force, Raymond C., Los Angeles, assignor to California Corrugated Culvert Company, Oakland, Cal. Slide-gate. No. 1,054,103; Feb. 25; Gaz. vol. 187; p. 884.
 Force, Raymond C., and S. Burne, Los Angeles, assignors to California Corrugated Culvert Company, Oakland, Cal. Slide-gate. No. 1,078,271; Nov. 11; Gaz. vol. 196; p. 385.
 Force, William F., Flatbush, assignor of one-half to E. B. Latham, Brooklyn, N. Y. Safety appliance for electrical installations. No. 1,076,754; Oct. 28; Gaz. vol. 195; p. 857.
 Ford, Andrew F., Walla Walla, Wash. Rotary pump. No. 1,080,431; Dec. 2; Gaz. vol. 197; p. 181.
 Ford, Anne E. (See Richardson, Thomas, assignor.)
 Ford, Ben K., assignor to Detroit Can Company, Detroit, Mich. Tube-machine. No. 1,059,045; Apr. 15; Gaz. vol. 189; p. 651.
 Ford, Ben K., assignor to Detroit Can Company, Detroit, Mich. Cutting-off mechanism. No. 1,059,046; Apr. 15; Gaz. vol. 189; p. 651.
 Ford, Ben K., assignor, by mesne assignments, to Detroit Can Company, Detroit, Mich. Cap-gumming machine. No. 1,071,637; Aug. 26; Gaz. vol. 193; p. 969.
 Ford, Benjamin F., U. S. Army. Cover-fastener. No. 1,073,482; Sept. 16; Gaz. vol. 194; p. 695.
 Ford, Bertram L., Seattle, Wash. Turnbuckle. No. 1,061,060; May 6; Gaz. vol. 190; p. 174.
 Ford, Bruce, Philadelphia, Pa. Jar for secondary or storage batteries. No. 1,054,835; Mar. 4; Gaz. vol. 188; p. 63.
 Ford, Bruce, Philadelphia, Pa. Changing the composition of iron and steel. No. 1,062,388; May 20; Gaz. vol. 190; p. 698.
 Ford, Bruce, Philadelphia, Pa. Secondary or storage battery. No. 1,068,640; July 29; Gaz. vol. 192; p. 1078.
 Ford, Bruce, Philadelphia, Pa. Secondary or storage battery. No. 1,068,641; July 29; Gaz. vol. 192; p. 1078.
 Ford, Bruce, Philadelphia, Pa. Strap or connection for secondary or storage batteries. No. 1,073,670; Sept. 23; Gaz. vol. 194; p. 782.
 Ford, Charles A., Newark, N. J. Cooking-pot cover. No. 1,080,905; Dec. 9; Gaz. vol. 197; p. 375.
 Ford, Charles A., Newark, N. J. Pot-cover attachment. No. 1,080,906; Dec. 9; Gaz. vol. 197; p. 375.
 Ford, Clarence W., Pittsburgh, Pa. Low-water alarm. No. 1,064,138; June 10; Gaz. vol. 191; p. 367.
 Ford, Clayton W., Findlay, Ohio. Beef-topper. No. 1,070,126; Aug. 12; Gaz. vol. 193; p. 386.
 Ford, David F., et al. (See Woodrom, George A., assignor.)
 Ford, Edward L., Youngstown, Ohio. Ladle-runner. No. 1,061,280; May 13; Gaz. vol. 190; p. 281.
 Ford, Edwin H., New Bedford, Mass. Hand-threading antisuction-shuttle. No. 1,071,039; Aug. 26; Gaz. vol. 193; p. 770.
 Ford, Eugene A., Uxbridge, Mass. Friction-clutch. No. 1,076,030; Oct. 21; Gaz. vol. 195; p. 551.
 Ford, Henry. (See Huff, Edward S., assignor.)
 Ford, Henry, Detroit, Mich. Automobile transmission. No. 1,073,569; Sept. 16; Gaz. vol. 194; p. 724.
 Ford, Henry, Detroit, Mich. Automobile construction. No. 1,075,557; Oct. 14; Gaz. vol. 195; p. 362.
 Ford, Henry, Detroit, Mich. Automobile control mechanism. No. 1,078,042; Nov. 11; Gaz. vol. 196; p. 306.
 Ford, John L., Camden, N. J. Brush-handle. No. 1,073,034; Sept. 9; Gaz. vol. 194; p. 501.
 Ford, John L., and S. C. Leacock, Valley, Nebr. Straddle-row cultivator. No. 1,051,209; Jan. 21; Gaz. vol. 186; p. 714.
 Ford, John W., Jr., Marion, Kans. Sieve. No. 1,069,244; Aug. 5; Gaz. vol. 193; p. 56.
 Ford, Martin J., Scranton, Pa. Tapping-machine. No. 1,050,729; Jan. 14; Gaz. vol. 186; p. 512.

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- Ford, Perry M., Tonganoxie, Kans. Silo. No. 1,051,721; Jan. 28; Gaz. vol. 186; p. 920.
- Ford, Ralph L. (See Davis and Ford.)
- Ford, Ralph L., Decatur, Ill., assignor to Pioneer Implement Company, Council Bluffs, Iowa. Dropping device for corn-planters. No. 1,062,449; May 20; Gaz. vol. 190; p. 717.
- Ford, Robert B., Homestead, Pa. Poultry-fountain. No. 1,065,439; June 24; Gaz. vol. 191; p. 876.
- Ford, Waldo. (See McClain, William D., assignor.)
- Ford, William B., Birmingham, Ala. Automatic cut-off valve. No. 1,081,822; Dec. 16; Gaz. vol. 197; p. 718.
- Ford, William E., Carthage, Mo. Ore-concentrator. No. 1,060,333; Apr. 29; Gaz. vol. 189; p. 1166.
- Ford, William H., assignor of one-half to P. G. Bradley, Buffalo, N. Y. Window-cleaner. No. 1,077,402; Nov. 4; Gaz. vol. 196; p. 58.
- Fordham, George, Affinity, W. Va. Cot and stretcher holder for railway-cars. No. 1,067,597; July 15; Gaz. vol. 192; p. 649.
- Fordon, Alexander A., Detroit, and G. L. Morrison, Hudson, Mich. Collapsible box. No. 1,075,706; Oct. 14; Gaz. vol. 195; p. 412.
- Fordyce, Edmond A., Boston, Mass., assignor to The Lamson Company, Newark, N. J. Pneumatic-despatch-tube apparatus. No. 1,076,969; Oct. 28; Gaz. vol. 195; p. 934.
- Fordyce, Edmond A., assignor, by mesne assignments, to American Pneumatic Service Company, Boston, Mass. Pneumatic-despatch-tube apparatus. No. 1,081,441; Dec. 16; Gaz. vol. 197; p. 591.
- Forel, Georges C. L., Lyon, France. Artificial leather. No. 1,056,898; Mar. 25; Gaz. vol. 188; p. 860.
- Foreman, Amos L., Philadelphia, Pa. Bottle-crate. No. 1,050,823; Jan. 21; Gaz. vol. 186; p. 580.
- Foreman, Arthur S., St. Paul, Minn. Platen-press chase-lock. No. 1,078,137; Nov. 11; Gaz. vol. 196; p. 339.
- Foreman, John D., Searcy, Ark. Stretching device for heel-counters. No. 1,071,903; Sept. 2; Gaz. vol. 194; p. 81.
- Foreman, Roy L., Watseka, Ill. Check-row planter. No. 1,076,358; Oct. 21; Gaz. vol. 195; p. 664.
- Forgrove Machinery Company Limited, The. (See Grover, Frederick, assignor.)
- Forge, Sherman C., Vandalia, Mo. Kitchen-cabinet. No. 1,066,006; July 1; Gaz. vol. 192; p. 36.
- Förtsdal, Anton, Lillehammer, Norway. Combined scrubber and mop. No. 1,071,552; Aug. 26; Gaz. vol. 193; p. 940.
- Forkert, Martin M., Hamburg, Germany. Oscillating sieve. No. 1,049,690; Jan. 7; Gaz. vol. 186; p. 127.
- Forkner, Charles E., Marshalltown, Iowa. Harrow. No. 1,066,481; July 8; Gaz. vol. 192; p. 230.
- Forland, Tormod R., Broken Hill, New South Wales Australia. Treatment and separation of complex sulfid ores. No. 1,078,779; Nov. 18; Gaz. vol. 196; p. 595.
- Forman, Elie, Boston, Mass. Cap. No. 1,049,838; Jan. 7; Gaz. vol. 186; p. 177.
- Forman, Elizabeth M., Mount Clemens, Mich. Steadying-strip for hats. No. 1,065,039; June 17; Gaz. vol. 191; p. 703.
- Forman, George L., Louisville, Ky. Harness-bridle. No. 1,073,973; Sept. 23; Gaz. vol. 194; p. 885.
- Forman, George L., Louisville, Ky. Harness-bridle. No. 1,073,974; Sept. 23; Gaz. vol. 194; p. 886.
- Forman, George L., Louisville, Ky. Harness-bridle. No. 1,073,975; Sept. 23; Gaz. vol. 194; p. 886.
- Forman, Thomas P., Waterbury, Conn. Necktie-case. No. 1,061,906; May 13; Gaz. vol. 190; p. 491.
- Forman, William, *et al.* (See Saltman, Philip, assignor.)
- Fornaca, Guido, Turin, Italy. Combustion-engine. No. 1,073,671; Sept. 23; Gaz. vol. 194; p. 782.
- Fornaca, Guido, Turin, Italy. Valve. No. 1,076,412; Oct. 21; Gaz. vol. 195; p. 683.
- Fornaca, Guido, Turin, Italy, assignor, by mesne assignments, to F. I. A. T., Poughkeepsie, N. Y. Change-gear mechanism. No. 1,051,993; Feb. 4; Gaz. vol. 187; p. 50.
- Fornaca, Guido, Turin, Italy, assignor, by mesne assignments, to F. I. A. T., Poughkeepsie, N. Y. Motor road-vehicle. No. 1,054,104; Feb. 25; Gaz. vol. 187; p. 884.
- Fornander, Alfred, New York, N. Y. Locking device for telephones. No. 1,056,655; Mar. 18; Gaz. vol. 188; p. 746.
- Fornander, Carl W., Wilkesburg, Pa. Commutator-motor. No. 1,059,134; Apr. 15; Gaz. vol. 189; p. 682.
- Fornander, Sten T., New York, N. Y. Propeller-fan. No. 1,054,758; Mar. 4; Gaz. vol. 188; p. 36.
- Fornaroli, Francesco, Milan, Italy. Pneumatically-operated calling apparatus. No. 1,051,096; Jan. 21; Gaz. vol. 186; p. 678.
- Forner, Georg. (See Cubelic and Forner.)
- Forner, Georg, Berlin, Germany, assignor to General Electric Company. Elastic-fluid turbine. No. 1,061,737; May 13; Gaz. vol. 190; p. 440.
- Forner, Georg, Berlin, Germany, assignor to General Electric Company. Regulating device for tapped turbines. No. 1,076,413; Oct. 21; Gaz. vol. 195; p. 684.
- Forni, Natale, Santa Rosa, Cal. Waterproof composition. No. 1,075,097; Oct. 7; Gaz. vol. 195; p. 175.
- Forrer, Joseph D., Pittsburgh, Pa., assignor to Westinghouse Electric and Manufacturing Company. Railway-motor ventilation. No. 1,075,470; Oct. 14; Gaz. vol. 195; p. 332.
- Forrest, Bedford W., Atlanta, Tex. Cotton-chopper. No. 1,059,534; Apr. 22; Gaz. vol. 189; p. 855.
- Forrest, Frederick C., Sacramento, Cal. Continuous sun blue-printing machine. No. 1,071,724; Sept. 2; Gaz. vol. 194; p. 18.
- Forrester, Fred W., Los Angeles, Cal. Target-light for guns. No. 1,070,883; Aug. 19; Gaz. vol. 193; p. 683.
- Forrester, Peter C., Steilacoom, Wash. Match-machine. No. 1,051,571; Jan. 28; Gaz. vol. 186; p. 871.
- Forsberg, Carl J., *et al.* (See Cook, Edward G., assignor.)
- Forschler, Philip, New Orleans, La. Vehicle. No. 1,052,231; Feb. 4; Gaz. vol. 187; p. 134.
- Forse Manufacturing Company, The. (See Morrison, Joseph O., assignor.)
- Forsell, Frans E., assignor to Attleboro Chain Company, Attleboro, Mass. Bracelet. No. 1,065,675; June 24; Gaz. vol. 191; p. 956.
- Forshee, Joseph M., Hooker, Okla. Milo-maize-heading machine. No. 1,053,804; Feb. 18; Gaz. vol. 187; p. 747.
- Forsheim, Joseph, Great Neck, and J. Konigsberg, New York, N. Y. Device for attaching handles to umbrella or other rods. No. 1,062,903; May 27; Gaz. vol. 190; p. 909.
- Forslund, Hugo W., and J. Rice, Chicago, Ill., assignors to Otis Elevator Company, Jersey City, N. J. Elevator. No. 1,065,308; June 17; Gaz. vol. 191; p. 793.
- Forsman, Stanton W. (See Hammond and Forsman.)
- Forst, John, Jr., Boston, Mass. Penholder. No. 1,064,634; June 10; Gaz. vol. 191; p. 535.
- Forst, Samuel G., Toronto, Ontario, Canada. Tube-coupling. No. 1,081,226; Dec. 9; Gaz. vol. 197; p. 480.
- Forster, Andreas, and H. Wanek, Vienna, Austria-Hungary. Chair for theaters or the like. No. 1,081,034; Dec. 9; Gaz. vol. 197; p. 417.
- Forster, Benjamin J., Belvidere, Ill. Spring-seat. No. 1,053,588; Feb. 18; Gaz. vol. 187; p. 674.
- Forster, Charles C., *et al.* (See Niles, Allen C., assignor.)
- Forster, Charles F., Oak Park, Ill. Vehicle-tire. No. 1,080,821; Dec. 9; Gaz. vol. 197; p. 348.
- Forster, John C., Pittsburgh, Pa. Household tool. No. 1,083,078; Dec. 30; Gaz. vol. 197; p. 1210.
- Forster, Thomas H., Cincinnati, Ohio. Hypodermic spoon. No. 1,081,901; Dec. 16; Gaz. vol. 197; p. 743.
- Forster, Walter O., *et al.* (See Niles, Allen C., assignor.)
- Forster, William L. (See Speer and Forster.)
- Forsyth Brothers Company. (See Forsyth, Davidson, and Gallagher, assignors.)
- Forsyth Brothers Company. (See Gallagher, Frederick S., assignor.)
- Forsyth Brothers Company. (See Reddersen and Borg, assignors.)
- Forsyth, George H., Chicago, Ill. Metal window construction. No. 1,053,589; Feb. 18; Gaz. vol. 187; p. 675.
- Forsyth, George H., Chicago, Ill. Sash construction. No. 1,063,345; June 3; Gaz. vol. 191; p. 60.
- Forsyth, George H., Chicago, Ill. Window construction. No. 1,063,346; June 3; Gaz. vol. 191; p. 60.
- Forsyth, George H., Chicago, Ill. Car construction. No. 1,081,927; Dec. 16; Gaz. vol. 197; p. 751.
- Forsyth, George H., Chicago, Ill. Car. No. 1,081,928; Dec. 16; Gaz. vol. 197; p. 752.
- Forsyth, George H., Chicago, Ill., assignor to Waugh Draft Gear Company. Railway draft-rigging. No. 1,081,298; Dec. 16; Gaz. vol. 197; p. 542.
- Forsyth, George H., A. C. Davidson, Chicago, Ill., and F. S. Gallagher, Collinwood, Ohio, assignors to Forsyth Brothers Company, Chicago, Ill. Strain-resisting mechanism. No. 1,065,676; June 24; Gaz. vol. 191; p. 957.
- Forsyth, John A., Fredericktown, assignor of one-third to R. E. Drum, California, and one-third to H. C. Drum, Coal Center, Pa. Compressed-air locomotive. No. 1,081,377; Dec. 16; Gaz. vol. 197; p. 570.
- Forsyth, John F., assignor of one-third to H. Blakely, Bloomington, Ind. Rail-joint. No. 1,061,907; May 13; Gaz. vol. 190; p. 491.
- Forsyth, William D., Youngstown, Ohio. Car-truck side frame. No. 1,080,523; Dec. 2; Gaz. vol. 197; p. 212.
- Forsyth, William D., Youngstown, Ohio, assignor to A. M. Neeper, Pittsburgh, Pa. Metallic railway-tie. No. 1,059,960; Apr. 22; Gaz. vol. 189; p. 994.
- Forsyth, William D., Youngstown, Ohio, assignor to A. M. Neeper, Pittsburgh, Pa. Forged car-truck side frame. No. 1,063,867; June 3; Gaz. vol. 191; p. 238.
- Forsyth, William H., assignor to The Curtain Supply Company, Chicago, Ill. Car-vestibule diaphragm. No. 1,056,407; Mar. 18; Gaz. vol. 188; p. 559.
- Forsyth, William H., assignor to The Curtain Supply Company, Chicago, Ill. Automatically-opening cardiaphragms. No. 1,078,781; Nov. 18; Gaz. vol. 196; p. 595.
- Forsyth, William H., and E. E. Whitmore, assignors to Curtain Supply Company, Chicago, Ill. Window-sash balance. No. 1,078,780; Nov. 18; Gaz. vol. 196; p. 595.

Alphabetical list of patentees—Continued.

- Forsyth, William R., Swampscott, Mass., assignor, by mesne assignments, to United Shoe Machinery Company, Paterson, N. J. Die-block. No. 1,076,359; Oct. 21; Gaz. vol. 195; p. 665.
- Forsythe, Fred A. (See Sawyer, John H., assignor.)
- Forsythe, Williard B., *et al.* (See Watts, Augustus C., assignor.)
- Fort Madison Plow Company. (See Huntoon, Harry A., assignor.)
- Fort Pitt Bedding Company. (See Sleeth, Montgomery, assignor.)
- Forter Miller Engineering Company. (See Merian, Frederic, assignor.)
- Fortescue, Charles L., Pittsburgh, Pa., assignor to Westinghouse Electric and Manufacturing Company. System of electric-current distribution. No. 1,073,598; Sept. 23; Gaz. vol. 194; p. 755.
- Fortescue, Charles L., Pittsburgh, Pa., assignor to Westinghouse Electric and Manufacturing Company. Alternating-current motor. No. 1,082,511; Dec. 30; Gaz. vol. 197; p. 1013.
- Forth, Charles, Boston, Mass. Vending-machine. No. 1,050,267; Jan. 14; Gaz. vol. 186; p. 355.
- Forth, Charles, Winthrop, Mass. Vending-machine. No. 1,050,268; Jan. 14; Gaz. vol. 186; p. 356.
- Fortmann, Walter, Potsdam, Germany. Vehicle-coupling. No. 1,073,339; Sept. 16; Gaz. vol. 194; p. 646.
- Fortier, Rosario, Montreal, Quebec, Canada. Screw-jack. No. 1,067,598; July 15; Gaz. vol. 192; p. 649.
- Fortin, Benjamin P., Woonsocket, R. I., assignor to Underwood Typewriter Company, New York, N. Y. Stenciling-machine. No. 1,056,983; Mar. 25; Gaz. vol. 188; p. 889.
- Fortmann, Gustave, Philadelphia, Pa., assignor to Auto Safety Signal Lamp Company. Signaling device. No. 1,070,028; Aug. 12; Gaz. vol. 193; p. 353.
- Fortnam, James B., New York, N. Y. Game apparatus. No. 1,056,526; Mar. 18; Gaz. vol. 188; p. 704.
- Fortoni, Luigi, London, England. Music type-writing machine. No. 1,073,976; Sept. 23; Gaz. vol. 194; p. 887.
- Fortoul, Jose I., deceased; L. A. B. de Fortoul, Caracas, Venezuela, trustee. Fluid-expansion engine. No. 1,068,881; July 29; Gaz. vol. 192; p. 1163.
- Fortoul, Luisa A. B. de, trustee. (See Fortoul, Jose I.)
- Fortune, Theobald, Courtenay, British Columbia, Canada. Tire-tongs. No. 1,068,997; July 29; Gaz. vol. 192; p. 1201.
- Fortune, Thomas G., and W. Lotridge, New York, N. Y. Indicator. No. 1,063,963; June 10; Gaz. vol. 191; p. 305.
- Forward, Walter L., Berkeley, assignor to Byron Jackson Iron Works, Inc., West Berkeley, Cal. Deep-well pump. No. 1,060,244; Apr. 29; Gaz. vol. 189; p. 1133.
- Fosdick, George R., Winchester, N. H. Machine for sawing thin boards. No. 1,054,524; Feb. 25; Gaz. vol. 187; p. 1028.
- Foss, Andrew H., assignor of one-third to W. C. P. Collignon and one-third to A. McCausland, Chicago, Ill. Action for player-pianos and the like. No. 1,065,677; June 24; Gaz. vol. 191; p. 957.
- Foss, Benjamin F., Portland, Me. Safety door-bolt. No. 1,067,241; July 15; Gaz. vol. 192; p. 527.
- Foss, D. J. (See Mills, William H., assignor.)
- Foss, Harry, Santa Maria, Cal. Invalid-elevator. No. 1,078,090; Nov. 11; Gaz. vol. 196; p. 323.
- Foss, Walter O., assignor to C. E. Bunnell and R. Bradley, Branford, Conn. Clutch. No. 1,055,626; Mar. 11; Gaz. vol. 188; p. 361.
- Fosselman, Otto C., Maywood, Ill. Counterbalanced stair. No. 1,077,976; Nov. 11; Gaz. vol. 196; p. 283.
- Fossum, John A., Waukon, Iowa. Wire-clamp. No. 1,082,742; Dec. 30; Gaz. vol. 197; p. 1095.
- Foster, Alfred P., East Orange, N. J. Device for starting internal-combustion engines. No. 1,081,731; Dec. 16; Gaz. vol. 197; p. 685.
- Foster, Alva C., assignor to J. I. Case Threshing Machine Company, Racine, Wis. Grain-cleaner for threshing-machines. No. 1,056,527; Mar. 18; Gaz. vol. 188; p. 704.
- Foster, Benjamin, Philadelphia, Pa. Waterproofing construction for building-walls. No. 1,062,091; May 20; Gaz. vol. 190; p. 598.
- Foster, Bertram G., Washington, D. C. Swing-seat. No. 1,061,462; May 13; Gaz. vol. 190; p. 343.
- Foster Brothers Manufacturing Company. (See Foster, William S., assignor.)
- Foster, Charles B., Buffalo, N. Y. Operating mechanism for drain-plugs. No. 1,071,515; Aug. 26; Gaz. vol. 193; p. 928.
- Foster, Charles S., Central Falls, R. I., assignor to Fales & Jenks Machine Co. Spindle. No. 1,055,733; Mar. 11; Gaz. vol. 188; p. 397.
- Foster, Charles S., Central Falls, R. I., assignor to Fales & Jenks Machine Co. Spindle. No. 1,075,205; Oct. 7; Gaz. vol. 195; p. 213.
- Foster, Charley, and J. Raynor, Southwest City, Mo. Trunk fastening and lashing device. No. 1,066,482; July 8; Gaz. vol. 192; p. 230.
- Foster, Clarence, *et al.* (See Leming, Charles A., assignor.)
- Foster Engineering Company. (See Krichbaum, William F., assignor.)
- Foster, Ernest H., New York, N. Y. Apparatus for superheating steam. No. 1,060,334; Apr. 29; Gaz. vol. 189; p. 1166.
- Foster, Ernest H., New York, N. Y. Steam-superheater. No. 1,064,309; June 10; Gaz. vol. 191; p. 424.
- Foster, Ernest H., New York, N. Y. Destructor-furnace. No. 1,066,198; July 1; Gaz. vol. 192; p. 105.
- Foster, Ernest H., assignor to Power Specialty Company, New York, N. Y. Grate for destructor-furnaces. No. 1,066,197; July 1; Gaz. vol. 192; p. 105.
- Foster, George E., *et al.* (See Simpson, Tracy W., assignor.)
- Foster, George S., *et al.* (See Winkstern, Ernest, assignor.)
- Foster, George W., Lowell, Mass. Traverse mechanism for winding-machines, &c. No. 1,075,286; Oct. 7; Gaz. vol. 195; p. 243.
- Foster, Green B. C., Milltown, Ala. Cotton-chopper. No. 1,061,233; May 6; Gaz. vol. 190; p. 230.
- Foster, John F., Kansas City, Kans. Roller-bearing. No. 1,049,471; Jan. 7; Gaz. vol. 186; p. 51.
- Foster, John H., Cuthbert, Tex. Cultivator. No. 1,073,672; Sept. 23; Gaz. vol. 194; p. 783.
- Foster, John H., Colorado, Tex. Sanitary closet. No. 1,075,471; Oct. 14; Gaz. vol. 195; p. 333.
- Foster, John O., Peculiar, assignor of one-third to A. J. Sharp, Harrisonville, Mo. Safety-gearing for drills. No. 1,080,334; Dec. 2; Gaz. vol. 197; p. 145.
- Foster Machine Company. (See McKean, John O., assignor.)
- Foster, Nathaniel L. (See Ellis, Carleton, assignor.)
- Foster, Nathaniel L., New Rochelle, N. Y. Fly-paper. No. 1,080,822; Dec. 9; Gaz. vol. 197; p. 348.
- Foster, Oliver F., Elmira Heights, N. Y. Bottle-opener. No. 1,060,674; May 6; Gaz. vol. 190; p. 37.
- Foster, Percy W., Peoria, Ill. Desiccating apparatus. No. 1,081,227; Dec. 9; Gaz. vol. 197; p. 480.
- Foster, Philip D., Weld, Me. Lamp-chimney holder. No. 1,059,602; Apr. 22; Gaz. vol. 189; p. 877.
- Foster, Richard S., New York, N. Y. Window-screen. No. 1,074,938; Oct. 7; Gaz. vol. 195; p. 119.
- Foster, Roy R., Colton, Cal. Heating water. No. 1,069,121; Aug. 5; Gaz. vol. 193; p. 11.
- Foster, Theodore W., Providence, R. I. Bracelet. No. 1,056,528; Mar. 18; Gaz. vol. 188; p. 705.
- Foster, Theodore W., Providence, R. I. Bracelet. No. 1,078,272; Nov. 11; Gaz. vol. 196; p. 385.
- Foster, Thomas, Christchurch, New Zealand. Variable gear. No. 1,079,044; Nov. 18; Gaz. vol. 196; p. 686.
- Foster, Walter T., Los Angeles, Cal. Coin-controlled vending-machine. No. 1,080,754; Dec. 9; Gaz. vol. 197; p. 322.
- Foster, William B., Norwood, Ohio. Hat-frame. No. 1,056,018; Mar. 18; Gaz. vol. 188; p. 529.
- Foster, William B., Utica, N. Y., assignor, by mesne assignments, to Bradley and Vrooman Company, Chicago, Ill. Bronzing-machine. No. 1,068,882; July 29; Gaz. vol. 192; p. 1164.
- Foster, William B., Norwood, and A. H. Duwelius, Cincinnati, Ohio. Brush. No. 1,072,322; Sept. 2; Gaz. vol. 194; p. 219.
- Foster, William H., New York, N. Y., assignor of one-half to W. O. Taylor, North Plainfield, N. J. Drifting-valve mechanism for locomotive-engines. No. 1,077,695; Nov. 4; Gaz. vol. 196; p. 156.
- Foster, William J., Schenectady, N. Y., assignor to General Electric Company. Dynamo-electric machine. No. 1,064,310; June 10; Gaz. vol. 191; p. 425.
- Foster, William S., Dallas, Wis. Bean-sorter. No. 1,079,913; Nov. 25; Gaz. vol. 196; p. 1016.
- Foster, William S., assignor to Foster Brothers Manufacturing Company, Utica, N. Y. Spring-heeling machine. No. 1,076,109; Oct. 21; Gaz. vol. 195; p. 579.
- Foster, William W., San Diego, Cal. Egg-candler. No. 1,075,640; Oct. 14; Gaz. vol. 195; p. 391.
- Föttinger, Hermann, assignor to Stettiner Maschinenbau Aktien Gesellschaft "Vulcan," Stettin-Bredow, Germany. Axial-thrust compensator for turbines. No. 1,069,406; Aug. 5; Gaz. vol. 193; p. 112.
- Foucar, Philipp E., Düsseldorf-Oberbilk, Germany. Molding-machine for dough and the like. No. 1,069,245; Aug. 5; Gaz. vol. 193; p. 57.
- Foucher, Harry E., Augusta, Ga. Bicycle-lock. No. 1,057,537; Apr. 1; Gaz. vol. 189; p. 48.
- Fougeirol, Edouard, Les Ollières, France. Winding-machine for cotton and other textile threads. No. 1,056,899; Mar. 25; Gaz. vol. 188; p. 860.
- Fouke, George W., Sacramento, Cal. Clothes-hanger. No. 1,075,558; Oct. 14; Gaz. vol. 195; p. 362.
- Foulis, David, Wheaton, Ill. Golf-flag support. No. 1,069,776; Aug. 12; Gaz. vol. 193; p. 266.
- Foulon, Michael, Aix-la-Chapelle, Germany, assignor to C. Sandoz-Moritz, Yvernes, Switzerland. Standard gage. No. 1,057,954; Apr. 1; Gaz. vol. 189; p. 190.
- Foundation Company, The. (See Doty, John W., assignor.)
- Fountain, Evelyn A., Pasadena, Cal. Telescopic bib-cock. No. 1,080,273; Dec. 2; Gaz. vol. 197; p. 125.

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- Fountain, Jerome, Oakland, Cal. Can opener and closure. No. 1,061,602; May 13; Gaz. vol. 190; p. 394.
- Fouqué, Henry P., New York, N. Y. Automobile-tire. No. 1,067,726; July 15; Gaz. vol. 192; p. 693.
- Fouque, Pierre, and G. Charpentier, La-Plaine-St-Denis, France. Steam-generator with forced circulation. No. 1,082,312; Dec. 23; Gaz. vol. 197; p. 915.
- Fourcher, Harry E., Augusta, Ga. Cotton-picker. No. 1,054,836; Mar. 4; Gaz. vol. 188; p. 63.
- Fournaise, Albert, Lyon, France. Combination-lock for engine-starting devices. No. 1,054,190; Feb. 25; Gaz. vol. 187; p. 915.
- Fournia, John, assignor of one-half to F. R. Greene, Albany, N. Y. Fluid-pressure motor. No. 1,062,904; May 27; Gaz. vol. 190; p. 909.
- Fournia, John, assignor of one-half to F. R. Greene, Albany, N. Y. Fluid-pressure motor. No. 1,066,483; July 8; Gaz. vol. 192; p. 230.
- Fournier, Albert, Chicago, Ill. Making ornamental structures. No. 1,072,712; Sept. 9; Gaz. vol. 194; p. 385.
- Fournier, Edward, Plattsburg, N. Y. Non-refillable bottle. No. 1,077,825; Nov. 4; Gaz. vol. 196; p. 200.
- Fournier, Joseph G., Chisholm, Me. Railway-switch. No. 1,071,040; Aug. 26; Gaz. vol. 193; p. 770.
- Fournier, Louis E., Montreal, Quebec, Canada. Door-hanger. No. 1,082,801; Dec. 30; Gaz. vol. 197; p. 1116.
- Fournier, Macaire, and G. H. Jackson, La Rochelle, France. Wax melting and sealing device. No. 1,075,775; Oct. 14; Gaz. vol. 195; p. 435.
- Fourt, Frank, Fairfield, Iowa. Blow-out holder. No. 1,074,347; Oct. 14; Gaz. vol. 195; p. 288.
- Fousek, Karl, Austin, Tex. Sanitary cuspidor. No. 1,076,204; Oct. 21; Gaz. vol. 195; p. 609.
- Foust, Charles E. (See McCoy, Walter M., assignor.)
- Foust, Charles E., Birmingham, Ala. Wheel. No. 1,061,603; May 13; Gaz. vol. 190; p. 394.
- Fowle, Charles L., Dowagiac, Mich. Grain-drill. No. 1,074,784; Oct. 7; Gaz. vol. 195; p. 68.
- Fowler, Amelia, Boston, Mass. Preserved-fabric display. No. 1,074,853; Oct. 7; Gaz. vol. 195; p. 90.
- Fowler, Amelia, Boston, Mass. Preserving textile articles. No. 1,075,206; Oct. 7; Gaz. vol. 195; p. 213.
- Fowler Car Company, The. (See Fowler, William E., assignor.) (Reissue.)
- Fowler Car Company, The. (See Fowler, William E., Sr., assignor.)
- Fowler Car Company, The. (See Fowler and Murray, assignors.)
- Fowler, Charles H., and E. A. Medley, Great Crosby, England. Apparatus for treating gases and vapors to the action of liquids. No. 1,050,013; Jan. 7; Gaz. vol. 186; p. 235.
- Fowler, Charles V., Los Angeles, Cal. Jack. No. 1,049,691; Jan. 7; Gaz. vol. 186; p. 127.
- Fowler, Edward, Cedar Grove, Ga. Cotton and corn scraper. No. 1,054,403; Feb. 25; Gaz. vol. 187; p. 988.
- Fowler, Edward J., Redwood City, assignor to Pacific Foundry Company, San Francisco, Cal. Roasting-furnace. No. 1,079,405; Nov. 25; Gaz. vol. 196; p. 839.
- Fowler, Ernest, Seattle, Wash. Antiseptic tooth-brush receptacle. No. 1,074,169; Sept. 30; Gaz. vol. 194; p. 980.
- Fowler, George L., New York, N. Y. Apparatus for determining the velocity and direction of flow of fluids in a closed chamber. No. 1,057,631; Apr. 1; Gaz. vol. 189; p. 79.
- Fowler, Gloss H., assignor to Fowler Sign Company, Tacoma, Wash. Lighting-fixture for theaters and public halls. No. 1,054,759; Mar. 4; Gaz. vol. 188; p. 36.
- Fowler, Gordon F., Oak Park, assignor to Sears, Roebuck & Company, Chicago, Ill. Centrifugal separator. No. 1,069,058; July 29; Gaz. vol. 192; p. 1222.
- Fowler, Robert H. (See Yemiker, John, assignor.)
- Fowler, Rufus B., Worcester, Mass. Pneumatic action for musical instruments. No. 1,054,760; Mar. 4; Gaz. vol. 188; p. 26.
- Fowler Sign Company. (See Fowler, Gloss H., assignor.)
- Fowler, Walter B., Lawrence, Mass. Regulating-damper. No. 1,072,323; Sept. 2; Gaz. vol. 194; p. 220.
- Fowler, William E., Chicago, Ill., assignor to The Fowler Car Company. Box-car. (Reissue.) No. 13,561; May 13; Gaz. vol. 190; p. 512.
- Fowler, William E., Jr., Hammond, Ind., assignor to Simplex Railway Appliance Company, Chicago, Ill. Brake-beam. No. 1,056,408; Mar. 18; Gaz. vol. 188; p. 659.
- Fowler, William E., Jr., Hammond, Ind., assignor to Simplex Railway Appliance Company, Chicago, Ill. Brake-beam. No. 1,080,510; Dec. 2; Gaz. vol. 197; p. 206.
- Fowler, William E., Sr., assignor to The Fowler Car Company, Chicago, Ill. Car-floor construction. No. 1,062,701; May 27; Gaz. vol. 190; p. 842.
- Fowler, William E., Sr., assignor to The Fowler Car Company, Chicago, Ill. Car side construction. No. 1,065,931; July 1; Gaz. vol. 192; p. 8.
- Fowler, William E., Sr., assignor to The Fowler Car Company, Chicago, Ill. Car side construction. No. 1,065,933; July 1; Gaz. vol. 192; p. 9.
- Fowler, William E., Sr., assignor to The Fowler Car Company, Chicago, Ill. Box-car. No. 1,078,616; Nov. 18; Gaz. vol. 196; p. 535.
- Fowler, William E., Sr., assignor to The Fowler Car Company, Chicago, Ill. Tightener for car sides. No. 1,079,331; Nov. 25; Gaz. vol. 196; p. 814.
- Fowler, William E., Sr., Chicago, and C. F. Murray, Evans-ton, assignors to The Fowler Car Company, Chicago, Ill. Car side. No. 1,065,932; July 1; Gaz. vol. 192; p. 9.
- Fowler, William O., Wenatchee, Wash. Switch-box. No. 1,069,777; Aug. 12; Gaz. vol. 193; p. 267.
- Fowler, William W., Riverdale, Md. Dental broach. No. 1,067,015; July 8; Gaz. vol. 192; p. 414.
- Fowles, Charles D., Boston, Mass. Film-frame holder. No. 1,055,457; Mar. 11; Gaz. vol. 188; p. 307.
- Fowlie, Alexander E., *et al.* (See Harkins, Thomas F., assignor.)
- Fownes, Edwin S., *et al.* (See Burgum, William C., assignor.)
- Fownes, William C., Jr., Pittsburgh, and F. Hofwing, Midland, assignors to Pittsburgh Iron & Steel Foundries Company, Pittsburgh, Pa. Wheel. No. 1,060,835; May 6; Gaz. vol. 190; p. 93.
- Fowzer, Robert B., Butler, Pa. Frame for tents. No. 1,081,902; Dec. 16; Gaz. vol. 197; p. 743.
- Fox, Cale B., St. Joseph, Mo. Wrapper for laundried shirts. No. 1,062,643; May 27; Gaz. vol. 190; p. 823.
- Fox, Charles E., Houston Heights, Tex. Sealing device. No. 1,065,934; July 1; Gaz. vol. 192; p. 9.
- Fox, Charles H., Bakersfield, Cal. Internal combustion engine. No. 1,077,956; Nov. 4; Gaz. vol. 196; p. 246.
- Fox, Charles J. (See Fearon, James J., assignor.)
- Fox, Charles T. (See Sherer, Arthur M., assignor.)
- Fox Company, The. (See Fox, Porter C., assignor.)
- Fox, Dennis F., Candor, N. C. Valve. No. 1,069,541; Aug. 5; Gaz. vol. 193; p. 157.
- Fox, Farnham, New York, N. Y. Telephone-bracket. No. 1,078,577; Nov. 11; Gaz. vol. 196; p. 490.
- Fox, Edward C. (See Cohoe and Fox.)
- Fox, Harvey, Chicago, Ill. Bed. No. 1,055,392; Mar. 11; Gaz. vol. 188; p. 285.
- Fox, Harvey, Chicago, Ill. Bed. No. 1,074,854; Oct. 7; Gaz. vol. 195; p. 90.
- Fox, Irvin D., Austin, Minn. Storm-sash fastener. No. 1,051,321; Jan. 21; Gaz. vol. 186; p. 752.
- Fox, Ivan, Media, Pa. Frame for eyeglasses and spectacles. No. 1,062,777; May 27; Gaz. vol. 190; p. 866.
- Fox, Ivan, Media, Pa. Wind-shield for eyeglasses. No. 1,064,468; June 10; Gaz. vol. 191; p. 480.
- Fox, James S., Jackson, Mich. Third-rail support or chair. No. 1,068,233; July 22; Gaz. vol. 192; p. 899.
- Fox, John, Lenora, Kans. Connecting-rod. No. 1,070,594; Aug. 19; Gaz. vol. 193; p. 590.
- Fox, John F., Birmingham, Ala. Running-gear for cars. No. 1,068,385; July 22; Gaz. vol. 192; p. 951.
- Fox, John F., Birmingham, Ala. Running-gear and draw-bar attachment for mine-cars. No. 1,077,601; Nov. 4; Gaz. vol. 196; p. 124.
- Fox, John W., Cherryvale, Kans. Ship construction. No. 1,052,474; Feb. 11; Gaz. vol. 187; p. 248.
- Fox, Lewis J., administrator. (See Fox, Bem, and Sponogle.)
- Fox, Louis C., Stevenson, Wash. Type-writer holder. No. 1,059,856; Apr. 22; Gaz. vol. 189; p. 958.
- Fox, Nicholas J., Milwaukee, Wis. Loose-leaf inserter. No. 1,060,074; Apr. 29; Gaz. vol. 189; p. 1075.
- Fox, Porter C., assignor to The Fox Company, Spokane, Wash. Aeroplane. No. 1,055,393; Mar. 11; Gaz. vol. 188; p. 285.
- Fox, Porter C., assignor to The Fox Company, Inc., Spokane, Wash. Spring-tire. No. 1,065,795; June 24; Gaz. vol. 191; p. 996.
- Fox, Ralph P., Fort Hancock, N. J. Safety-support for flying-machines. No. 1,073,977; Sept. 23; Gaz. vol. 194; p. 887.
- Fox, Thomas J., Memphis, assignor to J. A. Billions, Shelby, Tenn. Cushioning device for liquid-conveying pipes. No. 1,056,529; Mar. 18; Gaz. vol. 188; p. 705.
- Fox, Thomas S., Brooklyn, N. Y. Printing. No. 1,063,525; June 3; Gaz. vol. 191; p. 120.
- Fox, Thomas S., New York, N. Y. Printing process. No. 1,074,254; Sept. 30; Gaz. vol. 194; p. 1007.
- Fox, William C., San Francisco, Cal. Combined rule, try-square, and the like. No. 1,064,311; June 10; Gaz. vol. 191; p. 425.
- Fox, William C., deceased, San Francisco, (L. J. Fox, administrator, J. P. Bem, Berkeley, and F. M. Sponogle, Oakland, Cal. Pulverizing-mill. No. 1,075,707; Oct. 14; Gaz. vol. 195; p. 412.
- Fox, William E. (See Jorgensen, Alexander, assignor.)
- Fox, William H., Minneapolis, Minn. Electric fluid-heater. No. 1,067,647; July 15; Gaz. vol. 192; p. 667.
- Fox, William R., Grand Rapids, Mich. Multiple drill. No. 1,058,045; Apr. 8; Gaz. vol. 189; p. 265.
- Fox, Willoughby B., Vancouver, British Columbia, Canada. Suspender-clasp for waistbands. No. 1,055,627; Mar. 11; Gaz. vol. 188; p. 362.
- Foy, Albert, *et al.* (See Grove, Martin L., assignor.)

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- Foye, Cyrus D., Beverly, Mass., assignor to United Shoe Machinery Company, Paterson, N. J. Pincers. No. 1,051,322; Jan. 21; Gaz. vol. 186; p. 752.
- Fraass, Albert, Berlin, Germany. Artificial stone and making same. No. 1,078,845; Nov. 18; Gaz. vol. 196; p. 617.
- Frady, Homer. (See Fauning, Sam H., assignor.)
- Frankell, Eugen J., New York, N. Y. Toy. No. 1,073,111; Sept. 16; Gaz. vol. 194; p. 565.
- Fraley, Charles B., Chicago, Ill. Bed-spring fabric. No. 1,059,135; Apr. 15; Gaz. vol. 189; p. 682.
- Fraley, Dallas C., Kalama, Wash. Rope-clamp. No. 1,065,866; June 24; Gaz. vol. 191; p. 1020.
- Frulich, John S. Y., Pittsburgh, Pa., assignor to Ratchet Brake Company, New York, N. Y. Hand-actuated brake mechanism. No. 1,066,594; July 8; Gaz. vol. 192; p. 270.
- Frame, Alastair M. (See Mangelsdorff, Carl B., assignor.)
- Frame, John, Searsport, Me. Wave-motor. No. 1,061,061; May 6; Gaz. vol. 190; p. 174.
- Frame, John, Searsport, Me. Wave-motor. No. 1,066,396; July 1; Gaz. vol. 192; p. 172.
- Frame, John, Searsport, Me. Wave-motor. No. 1,066,896; July 8; Gaz. vol. 192; p. 374.
- Frame, Oliver C., Pasadena, Cal. Handsaw. No. 1,076,755; Oct. 28; Gaz. vol. 195; p. 858.
- Frame, William J., Glasgow, Scotland. Hydraulic-jet suction apparatus. No. 1,068,755; July 29; Gaz. vol. 192; p. 1117.
- Frampton, Reynolds C., Pittsburgh, assignor to Pittsburgh Water Heater Company, Allegheny, Pa. Instantaneous water-heater. No. 1,053,906; Feb. 18; Gaz. vol. 187; p. 780.
- France, Herbert B., *et al.* (See Volmer, Joseph, assignor.)
- France, Jason G., Syracuse, N. Y. Sash-lock. No. 1,068,642; July 29; Gaz. vol. 192; p. 1078.
- France, Jason G., Syracuse, N. Y. Ventilator. No. 1,070,242; Aug. 12; Gaz. vol. 193; p. 426.
- France, Lester E. and M. C., Cleveland, Ohio. Explosion-engine. No. 1,070,884; Aug. 19; Gaz. vol. 193; p. 684.
- France, Merle C. (See France, Lester E. and M. C.)
- Franchetti, Alessandro, New Rochelle, assignor to De La Vergne Machine Company, New York, N. Y. Oil-engine. No. 1,070,333; Aug. 12; Gaz. vol. 193; p. 457.
- Francilow, Frank. (See Price, Charles H., Jr., assignor.)
- Francis, Calvin W., assignor, by mesne assignments, to H. Fischer, Omaha, Nebr. Gas-lighting valve. No. 1,052,232; Feb. 4; Gaz. vol. 187; p. 134.
- Francis, Charles E., Evanston, Ohio. Veneer-press for manufacturers of woodworking material. No. 1,073,414; Sept. 16; Gaz. vol. 194; p. 672.
- Francis, Daniel H. (See Smith and Francis.)
- Francis, Ernest C., Pine River, Minn. Combination ironing-board and step-ladder. No. 1,051,950; Feb. 4; Gaz. vol. 187; p. 36.
- Francis, Howard M., Forrest, Ill. Interlocking block. No. 1,077,466; Nov. 4; Gaz. vol. 196; p. 80.
- Francis, Raymond J., Gibbon, Nebr. Self-cleaning horse-lift hay-buck. No. 1,077,059; Oct. 28; Gaz. vol. 195; p. 965.
- Francisco, Ferris L. R. (See Pierce and Francisco.)
- Francisco, George T., assignor of one-half to C. M. Hill, Highland, Cal. Meat-sawing machine. No. 1,062,644; May 27; Gaz. vol. 190; p. 824.
- Franck-Philipson, Axel, Jackson, Mich., assignor to Franck-Philipson & Co., Chicago, Ill. Bleaching wood. No. 1,068,580; July 29; Gaz. vol. 192; p. 1056.
- Franck-Philipson & Co. (See Franck-Philipson, Axel, assignor.)
- Franco, Cesare, New York, N. Y. Rotary engine. No. 1,065,232; June 17; Gaz. vol. 191; p. 766.
- Franco, Cesare, New York, N. Y. Rotary steam-engine. No. 1,080,105; Dec. 2; Gaz. vol. 197; p. 65.
- Franev, Jane C., *et al.* (See Shore, William E., assignor.)
- Franev, John, *et al.* (See Shore, William E., assignor.)
- Frank A. Weeks Mfg. Co. (See Rosenwald and Doran, assignors.)
- Frank Adam Electric Company. (See Arens, Lloyd H., assignor.)
- Frank, Albert R., Spandau, Germany, assignor to American Cyanamid Company, Nashville, Tenn. Fertilizer. No. 1,074,785; Oct. 7; Gaz. vol. 195; p. 68.
- Frank, C. Field, *et al.* (See Jones, Oscar S., assignor.)
- Frank, Carl. (See Holland, Heinrich, assignor.)
- Frank, Clinton J., Wayland, Mich. Internal-combustion engine. No. 1,069,936; Aug. 12; Gaz. vol. 193; p. 321.
- Frank, Conrad C., Denison, Iowa. Valve-grinder. No. 1,079,292; Nov. 18; Gaz. vol. 196; p. 767.
- Frank, George J., Hollidaysburg, Pa. Automatic rail-fastener. No. 1,067,105; July 8; Gaz. vol. 192; p. 444.
- Frank, Gustav, assignor of one-half to M. J. Whelan, Jefferson, Tex. Piston. No. 1,054,345; Feb. 25; Gaz. vol. 187; p. 968.
- Frank, H. A. (See Bucklar, Joseph, assignor.)
- Frank, Harlow G., Detroit, Minn. Runner attachment for vehicles. No. 1,068,883; July 29; Gaz. vol. 192; p. 1164.
- Frank, Harry M., Pulaski, Iowa. Spring-tire. No. 1,069,778; Aug. 12; Gaz. vol. 193; p. 267.
- Frank Holton & Co. (See Holton, Frank, assignor.)
- Frank, John. (See Mullins, Gilbert, assignor.)
- Frank, John C., Akron, Ohio. Disk-record holder. No. 1,082,018; Dec. 23; Gaz. vol. 197; p. 813.
- Frank, Joseph. (See Benz, Frederick, Jr., assignor.)
- Frank, Louis, Brooklyn, N. Y. Corner-fastening for bedsteads. No. 1,063,425; June 3; Gaz. vol. 191; p. 86.
- Frank Mossberg Company. (See Mossberg, Frank, assignor.)
- Frank, Otto, and O. Fincke, Berlin, Germany. Obtaining nitrogen from the atmosphere. No. 1,078,423; Nov. 11; Gaz. vol. 196; p. 441.
- Frank, Otto H., New York, N. Y. Fender for vehicles. No. 1,058,359; Apr. 8; Gaz. vol. 189; p. 377.
- Frank Ridlon Company. (See Tebbets, Charles F., assignor.)
- Frank W. Whitcher Company. (See Johnson, Robert N., assignor.)
- Frank, William V., assignor to The F. O. Motor Washer Company, Springfield, Ohio. Operating mechanism for washing machines. No. 1,072,109; Sept. 2; Gaz. vol. 194; p. 150.
- Frankel, Emil. (See Sarason and Franke.)
- Frankel, Fridolf, Stockholm, Sweden. Sounding-board. No. 1,062,275; May 20; Gaz. vol. 190; p. 660.
- Frankel, Fridolf, Stockholm, Sweden. Piano or other string instrument. No. 1,073,673; Sept. 23; Gaz. vol. 194; p. 783.
- Frankel, Fridolf, Stockholm, Sweden. Means for stretching a resonant plate over a frame. No. 1,078,424; Nov. 11; Gaz. vol. 196; p. 441.
- Frankenberg, Herman, New York, N. Y. Thermometer. No. 1,059,857; Apr. 22; Gaz. vol. 189; p. 959.
- Frankhauser, Aitken, New York, N. Y. Window-cleaning device. No. 1,070,676; Aug. 19; Gaz. vol. 193; p. 617.
- Frankignoul, Edgard, Liege, Belgium. Tubing for boring. No. 1,052,809; Feb. 11; Gaz. vol. 187; p. 362.
- Franklin, Edward A., Austin, Tex. Elastic-tube-splicing device. No. 1,081,299; Dec. 16; Gaz. vol. 197; p. 543.
- Franklin, Ira, Arcola, Ill. Collar-button. No. 1,051,210; Jan. 21; Gaz. vol. 186; p. 714.
- Franklin, John M., Hatfield, Pa. Poultry-feed hopper. No. 1,079,231; Nov. 18; Gaz. vol. 196; p. 750.
- Franklin Knitting Mills. (See Kellner, Josef, assignor.)
- Franklin Knitting Mills. (See Kellner and Worms, assignors.)
- Franklin, Margaret M., assignor to Franklin Wardrobe Co., Chicago, Ill. Body-supporter. No. 1,049,692; Jan. 7; Gaz. vol. 186; p. 128.
- Franklin, Milton W., Schenectady, N. Y., assignor to General Electric Company. Method and apparatus for producing a gaseous reaction by a silent discharge. No. 1,064,064; June 10; Gaz. vol. 191; p. 340.
- Franklin, Milton W., Schenectady, N. Y., assignor to General Electric Company. Ozoneator. No. 1,064,065; June 10; Gaz. vol. 191; p. 340.
- Franklin, Perry G. (See Henkel, George H., assignor.)
- Franklin, Richard. (See Pollock and Rosenberg, assignors.)
- Franklin Wardrobe Co. (See Franklin, Margaret M., assignor.)
- Franklin, William S., South Bethlehem, Pa. Heating material by electricity. No. 1,068,643; July 29; Gaz. vol. 192; p. 1078.
- Franks, Andrew S., New York, N. Y. Lock. No. 1,078,425; Nov. 11; Gaz. vol. 196; p. 441.
- Franks, William L., assignor of one-third to E. Peters, Rock Island, Ill. Adjustable mirror and light. No. 1,071,725; Sept. 2; Gaz. vol. 194; p. 19.
- Fransson, Sven W., Brooklyn, N. Y. Sled-runner for baby-carriages. No. 1,068,120; July 22; Gaz. vol. 192; p. 858.
- Frantz Buckle Co. (See Frantz, Ezra A., assignor.)
- Frantz, Charles H., New Orleans, La. Solder for aluminum. No. 1,067,016; July 8; Gaz. vol. 192; p. 414.
- Frantz, Ezra A., assignor to Frantz Standard Buckle Company, Weatherford, Tex. Bale-tie. No. 1,058,576; Apr. 8; Gaz. vol. 189; p. 449.
- Frantz, Ezra A., assignor to Frantz Standard Buckle Company, Weatherford, Tex. Bale-tie buckle. No. 1,070,795; Aug. 19; Gaz. vol. 193; p. 657.
- Frantz, Ezra A., Memphis, Tenn., assignor to Frantz Buckle Co., Weatherford, Tex. Bale-tie. No. 1,058,666; Apr. 8; Gaz. vol. 189; p. 480.
- Frantz, Hiram A., Cherryville, T. S. Frantz, and W. H. Troxell, near Copley, assignors to Keystone Attachment Co., Cherryville, Pa. Fertilizer attachment to cultivators. No. 1,053,944; Feb. 18; Gaz. vol. 187; p. 793.
- Frantz, Hiram A., Cherryville, T. S. Frantz, and W. H. Troxell, near Copley, assignors to Keystone Attachment Co., Cherryville, Pa. Fertilizer attachment to cultivators. No. 1,053,945; Feb. 18; Gaz. vol. 187; p. 794.
- Frantz, John R., assignor to E. B. Hayes Machine Company, Oskosh, Wis. Gluing and dowel-driving machine. No. 1,080,274; Dec. 2; Gaz. vol. 197; p. 125.
- Frantz Manufacturing Company. (See Frantz, Peter, assignor.)
- Frantz Manufacturing Company. (See Maier and Frantz, assignors.)
- Frantz, Peter. (See Maier and Frantz.)

Alphabetical list of patentees—Continued.

- Frantz, Peter, assignor to Frantz Manufacturing Company, Sterling, Ill. Barn-door hanger. No. 1,070,243; Aug. 12; Gaz. vol. 193; p. 427.
- Frantz, Peter, assignor to Frantz Manufacturing Company, Sterling, Ill. Hasp. No. 1,070,244; Aug. 12; Gaz. vol. 193; p. 427.
- Frantz, Samuel O., Conway Springs, Kans. Chair. No. 1,056,328; Mar. 18; Gaz. vol. 188; p. 633.
- Frantz Standard Buckle Co. (See McFarland, Frank H., assignor.)
- Frantz Standard Buckle Company. (See Frantz, Ezra A., assignor.)
- Frantz, Tilghman S. (See Frantz and Troxell.)
- Franz, Frank, W. S. Tower, and A. H. Wells, Wallace, Idaho. Rock-drill chuck. No. 1,081,527; Dec. 16; Gaz. vol. 197; p. 621.
- Franz, Kuno, Frankfort-on-the-Main, assignor to Farbwerke vorm. Meister Lucius & Brüning, Höchst-on-the-Main, Germany. Manufacture on the paper-machine of paper having relief-like effect. No. 1,052,716; Feb. 11; Gaz. vol. 187; p. 329.
- Fraser, Alexander S. (See Le Grue, Angus R., assignor.)
- Fraser, Ethelbert M., Yonkers, N. Y. Rotary transformer. No. 1,052,717; Feb. 11; Gaz. vol. 187; p. 329.
- Fraser, George, Topeka, Kans. Oil-burner. No. 1,063,190; June 3; Gaz. vol. 191; p. 8.
- Fraser, James E., St. John, New Brunswick, Canada. Aerial vehicle. No. 1,075,969; Oct. 14; Gaz. vol. 195; p. 502.
- Fraser, John A., Benton Harbor, Mich. Appliance for electroplating plants. No. 1,049,839; Jan. 7; Gaz. vol. 186; p. 177.
- Fraser, John A., Benton Harbor, Mich., assignor to Metal Sectional Furniture Company, Portland, Me. Follower-block for filing-cabinets. No. 1,061,463; May 13; Gaz. vol. 190; p. 344.
- Fraser, John A., Benton, Harbor, Mich., assignor to Metal Sectional Furniture Company, Portland, Maine. Filing-cabinet. No. 1,078,668; Nov. 18; Gaz. vol. 196; p. 553.
- Fraser, John A., assignor to F. M. Vawter, in trust, Benton Harbor, Mich. Printer's furniture. No. 1,071,150; Aug. 26; Gaz. vol. 193; p. 806.
- Fraser, John A., and C. H. Martin, Benton Harbor, Mich., assignors to G. B. Meleney, Chicago, Ill. Follower. No. 1,068,493; July 29; Gaz. vol. 192; p. 1026.
- Fraser, Norman P., Carsonville, Mich. Check-controlled vending-machine. No. 1,074,426; Sept. 30; Gaz. vol. 194; p. 1065.
- Fraser, Stewart N., Green Bay, Wis. Combined rail-chair and antispreading device. No. 1,080,962; Dec. 9; Gaz. vol. 197; p. 395.
- Fraser Tablet Company, The. (See Sargent, Olin A., assignor.)
- Fraser, William A., Georgetown, Ontario, Canada. Flushing system for water-closets. No. 1,057,632; Apr. 1; Gaz. vol. 189; p. 80.
- Fraser, William A., Georgetown, Ontario, Canada. Flushing system. No. 1,062,148; May 20; Gaz. vol. 190; p. 617.
- Frasher, Harry E., Denver, Colo. Wedge. No. 1,065,122; June 17; Gaz. vol. 191; p. 731.
- Frasier, Warren, Philadelphia, Pa., assignor to United Shoe Machinery Company, Paterson, N. J. Heel-breasting machine. No. 1,068,423; July 29; Gaz. vol. 192; p. 1003.
- Fraunfelter, Charles D., Zanesville, Ohio. Cooking utensil. No. 1,055,526; Mar. 11; Gaz. vol. 188; p. 329.
- Fravel, Charles G., Plain township, Franklin county, assignor of one-half to A. E. Bennett, Westerville, Ohio. Shock-tier. No. 1,073,035; Sept. 9; Gaz. vol. 194; p. 501.
- Frazier, Emma M. and J. S., Allen county, Ind. Land-marker. No. 1,068,884; July 29; Gaz. vol. 192; p. 1164.
- Frazier, George, Eugene, Ore. Take-down cook-range. No. 1,062,450; May 20; Gaz. vol. 190; p. 717.
- Frazier, George W., Portland, Ore. Electric cartridge-fuse. No. 1,067,648; July 15; Gaz. vol. 192; p. 667.
- Frazier, George W., deceased, Allegheny, assignor to Pittsburgh Electrolytic Manufacturing Company, Pittsburgh, Pa. Electrolytic ship-bottom cleaner. (Reissue.) No. 13,652; Nov. 25; Gaz. vol. 196; p. 1022.
- Frazier, John S. (See Frazier, Emma M. and J. S.)
- Frazier, Orville Z., Elkhart, Ind. Muffler. No. 1,062,092; May 20; Gaz. vol. 190; p. 598.
- Frazier, Thomas O., Paris, Ill. Hanger for harness. No. 1,061,366; May 13; Gaz. vol. 190; p. 310.
- Freas, Brad C., Berwick, Pa. Step-ladder. No. 1,074,318; Sept. 30; Gaz. vol. 194; p. 1029.
- Freborg, Charles, Kankakee, Ill., assignor to Schaeffer Piano Mfg. Company. Pneumatic piano. No. 1,081,603; Dec. 16; Gaz. vol. 197; p. 644.
- Fred, J. Meyers Manufacturing Company, The. (See Wulftange, John A., assignor.)
- Fred Medart Manufacturing Company. (See Medart, Philip S., assignor.)
- Fred W. Morse Company. (See Gillette, George K., assignor.)
- Frede, Charles F. (See Westlake and Frede.)
- Frede, Charles F., assignor to Commonwealth Steel Company, St. Louis, Mo. Double body-bolster. No. 1,049,693; Jan. 7; Gaz. vol. 186; p. 128.
- Frede, Charles F., assignor to Double Body Bolster Company, St. Louis, Mo. Electric-motor truck. No. 1,061,281; May 13; Gaz. vol. 190; p. 281.
- Frede, Charles F., assignor to Double Body Bolster Company, St. Louis, Mo. Six-wheel-car-truck brake. No. 1,080,206; Dec. 2; Gaz. vol. 197; p. 101.
- Frederick, Benjamin J., Erie, N. D. Strainer for milk-pails. No. 1,053,023; Feb. 11; Gaz. vol. 187; p. 434.
- Frederick, Clarence H., Kenosha, Wis. Wire link fabric. No. 1,051,397; Jan. 28; Gaz. vol. 186; p. 811.
- Frederick, Edward J., assignor, by mesne assignments, to A. E. Cartier Sons Co., Ludington, Mich. Truss-brace. No. 1,050,057; Jan. 7; Gaz. vol. 186; p. 251.
- Frederick, Edwin E., Bridgeville, Pa. Globe-holder. No. 1,063,673; June 3; Gaz. vol. 191; p. 176.
- Frederick, Edwin E., Bridgeville borough, Pa. Globe-holder. No. 1,064,895; June 17; Gaz. vol. 191; p. 657.
- Frederick, Edwin E., Bridgeville, Pa. Multiple gas-burner. No. 1,076,970; Oct. 28; Gaz. vol. 195; p. 934.
- Frederick, Edwin E., assignor to The Frederick-Elder Company, Bridgeville borough, Pa. Needle-valve structure. No. 1,064,894; June 17; Gaz. vol. 191; p. 656.
- Frederick-Elder Company, The. (See Frederick, Edwin E., assignor.)
- Frederick, Emil R., Shelby, Mich. Automobile-wheel. No. 1,069,059; July 29; Gaz. vol. 192; p. 1222.
- Frederick, Henry J., Hood River, Ore. Locking device for doors and windows. No. 1,082,019; Dec. 23; Gaz. vol. 197; p. 813.
- Frederick, Samuel H., Colon, Mich. Shoe-cleaning device. No. 1,059,292; Apr. 15; Gaz. vol. 189; p. 735.
- Frederick Stearns & Company. (See Stockelbach, Fritz E., assignor.)
- Frederick, Tilghman G., Bernharts, Pa., assignor to Mitts & Merrill, Saginaw, Mich. Cutter for key-seating machines. No. 1,060,749; May 6; Gaz. vol. 190; p. 64.
- Frederickson, Clayton E., assignor of one-half to W. H. Stenger, San Francisco, Cal. Pipe-anchor. No. 1,074,427; Sept. 30; Gaz. vol. 194; p. 1065.
- Frederickson, Clayton E., San Francisco, and I. Baldwin, Alameda, assignors of one-half to W. H. Stenger, Berkeley, Cal. Life-saving apparatus. No. 1,056,271; Mar. 18; Gaz. vol. 188; p. 615.
- Frederiksen, Anton, Copenhagen, Denmark. Safety-lock. No. 1,067,017; July 8; Gaz. vol. 192; p. 414.
- Frediani, Santi, Pittsburgh, Pa. Mail-box. No. 1,058,419; Apr. 8; Gaz. vol. 189; p. 398.
- Frediani, Santi, Pittsburgh, Pa. Lock. No. 1,058,667; Apr. 8; Gaz. vol. 189; p. 480.
- Fredrick, Charles H., Cabool, Mo. Lamp-burner attachment. No. 1,063,022; May 27; Gaz. vol. 190; p. 947.
- Fredricks, Hans, Fort Madison, Iowa. Automatic train-pipe coupling. No. 1,082,941; Dec. 30; Gaz. vol. 197; p. 1164.
- Fredrickson, Christian, assignor to Automatic Trip Carrier Manufacturing Company, Rice Lake, Wis. Separator. No. 1,050,730; Jan. 14; Gaz. vol. 186; p. 513.
- Fredrickson, Gustavus A., Spokane, Wash. Hat-brush holder. No. 1,056,656; Mar. 18; Gaz. vol. 188; p. 747.
- Fredrickson, John, Miller, Ind. Bearing for car-axles. No. 1,067,727; July 15; Gaz. vol. 192; p. 693.
- Fredrickson, Oscar, Buchanan, Mich., assignor to Celfor Tool Company, Chicago, Ill. Chuck for reamers, &c. No. 1,066,199; July 1; Gaz. vol. 192; p. 106.
- Fredrikson, Carl F., Chicago, Ill. Attachment for violin-players. No. 1,074,939; Oct. 7; Gaz. vol. 195; p. 119.
- Free, William C., Chicago, Ill. Sewing-machine. No. 1,062,389; May 20; Gaz. vol. 190; p. 698.
- Freeberg, J. Elmer. (See Olson, Ole K., assignor.)
- Freeborn, Edward H., Newark, N. J. Safety hat-pin. No. 1,079,937; Dec. 2; Gaz. vol. 197; p. 5.
- Freed, William, New York, N. Y. Embroidered apparel. No. 1,067,728; July 15; Gaz. vol. 192; p. 694.
- Freeland, Lloyd D., Portage, Wis. Measuring-pump. No. 1,061,062; May 6; Gaz. vol. 190; p. 174.
- Freeman, Alvin L., Saratoga Springs, N. Y. Electric-fixture support. No. 1,081,378; Dec. 16; Gaz. vol. 197; p. 570.
- Freeman, Arthur C., Jr., Norfolk, Va. Area-finder apparatus. No. 1,076,275; Oct. 21; Gaz. vol. 195; p. 633.
- Freeman, August, Newhall, Iowa. Halter-rope clip. No. 1,073,226; Sept. 16; Gaz. vol. 194; p. 606.
- Freeman, Charles C. and W. W. Tainter, Dixfield, Me. Machine for rounding toothpicks and other splints. No. 1,061,063; May 6; Gaz. vol. 190; p. 175.
- Freeman, Charles H. (See Parkes and Freeman.)
- Freeman, Charles H., Wolverhampton, and S. R. Parkes, Willenhall, England. Apparatus for grooving the wooden members of glazing-bars. No. 1,052,908; Feb. 11; Gaz. vol. 187; p. 396.
- Freeman, Charles O., Walthill, Nebr. Camp-stove. No. 1,066,595; July 8; Gaz. vol. 192; p. 271.
- Freeman, Clifford D., and R. W. Cheesbrough, Bogus, Cal. Spring-wheel. No. 1,064,896; June 17; Gaz. vol. 191; p. 657.
- Freeman-Daughaday Company. (See Barton, Harvey E., assignor.)

Alphabetical list of patentees—Continued.

- Freeman, Edgar H., assignor to E. H. Freeman Electric Company, Trenton, N. J. Electrical sign-receptacle. No. 1,079,483; Nov. 25; Gaz. vol. 196; p. 865.
- Freeman, Edward W. (See Matthews and Freeman.)
- Freeman, Ernest B., Dedham, assignor to B. F. Sturtevant Company, Boston, Mass. Fuel-economizer. No. 1,074,855; Oct. 7; Gaz. vol. 195; p. 90.
- Freeman, Frank A., Overbrook, Pa. Garter fabric. No. 1,082,264; Dec. 23; Gaz. vol. 197; p. 898.
- Freeman, Frank A., Overbrook, Pa., assignor to Pioneer Suspender Company, Clasp. No. 1,068,049; July 22; Gaz. vol. 192; p. 836.
- Freeman, Frank A., Overbrook, Pa., assignor to Pioneer Suspender Company, Garter. No. 1,071,726; Sept. 2; Gaz. vol. 194; p. 19.
- Freeman, Frank A., Overbrook, Pa., assignor to Pioneer Suspender Company, Garter-package. No. 1,082,265; Dec. 23; Gaz. vol. 197; p. 898.
- Freeman, Frank B., *et al.* (See Briede, Joseph H., assignor.)
- Freeman, Frank B. (See Ross and Freeman.)
- Freeman, John R., Providence, R. I. Water-meter. No. 1,057,721; Apr. 1; Gaz. vol. 189; p. 111.
- Freeman, John W., Alleene, Ark. Treating human hair. No. 1,055,972; Mar. 11; Gaz. vol. 188; p. 478.
- Freeman, John W., Alleene, assignor of one-half to S. C. Hodges, Arden, Ark. Non-refillable bottle. No. 1,082,020; Dec. 23; Gaz. vol. 197; p. 813.
- Freeman, Michael, Racine, Wis. Conveyer for feed-cutters. No. 1,067,514; July 15; Gaz. vol. 192; p. 621.
- Freeman, Nat H., Denver, Colo. Propeller. No. 1,049,571; Jan. 7; Gaz. vol. 186; p. 88.
- Freeman, Richard J., assignor of one-fourth to R. R. Elder and one-fourth to A. May, Jr., Yoakum, Tex. Mail-bag catcher and deliverer. No. 1,050,634; Jan. 14; Gaz. vol. 186; p. 483.
- Freeman, Rufus A., Flushing, N. Y., assignor to The Autopress Company, Sheet-separator. No. 1,072,936; Sept. 9; Gaz. vol. 194; p. 467.
- Freeman, Rufus A., Flushing, N. Y., assignor to The Autopress Company, Sheet-feeding machine. No. 1,072,937; Sept. 9; Gaz. vol. 194; p. 467.
- Freeman, Thomas A., and W. R. Williams, assignors to Oliver Chilled Plow Works, South Bend, Ind. Wheeled plow. No. 1,069,407; Aug. 5; Gaz. vol. 193; p. 112.
- Freeman, Walter, Ardmore, Okla. Cotton-thinning machine. No. 1,055,628; Mar. 11; Gaz. vol. 188; p. 362.
- Freeman, William A., Los Angeles, Cal. Gas-burner cleaner. No. 1,067,911; July 22; Gaz. vol. 192; p. 789.
- Freeman, William F. (See Dodge, Freeman, and Vanderfeld.) (Reissue.)
- Freeman, William M., assignor of one-third to J. W. Fleming and one-third to J. O. Bradeen, Oswego, N. Y. Burner system. No. 1,052,413; Feb. 4; Gaz. vol. 187; p. 194.
- Freeman, William S., Chicago, Ill. Burial-crypt. No. 1,053,488; Feb. 18; Gaz. vol. 187; p. 640.
- Freer, Phelps M., Detroit, Mich. Vehicle-spring. No. 1,052,233; Feb. 4; Gaz. vol. 187; p. 135.
- Freer, Phelps M., Detroit, Mich. Gage-indicator. No. 1,058,011; Apr. 1; Gaz. vol. 189; p. 211.
- Freer, Stephen A., El Monte, Cal. Nut-cleaning machine. No. 1,074,940; Oct. 7; Gaz. vol. 195; p. 120.
- Freese, Charles F., Fort Wayne, Ind. Soda-water valve. No. 1,050,731; Jan. 14; Gaz. vol. 186; p. 513.
- Freese, Herman W., Chicago, Ill. Magnetic separator. No. 1,061,666; May 13; Gaz. vol. 190; p. 415.
- Freese, John H., Concordia, Mo. Combination comb and tooth-brush holder. No. 1,061,831; May 13; Gaz. vol. 190; p. 467.
- Freestone, Joseph T., Liverpool, England. Vaporizer. No. 1,080,432; Dec. 2; Gaz. vol. 197; p. 182.
- Freet, William O., Hackensack, N. J., assignor to Steynis Ozone Company, Ozone-generator. No. 1,066,484; July 8; Gaz. vol. 192; p. 231.
- Freeth, Francis A., Great Crosby, and H. E. Cocksedge, London, England. Manufacture of ammonium nitrate from ammonium sulfate and sodium nitrate. No. 1,051,097; Jan. 21; Gaz. vol. 186; p. 678.
- Freeth, Francis A., Great Crosby, and H. E. Cocksedge, London, England. Making ammonium nitrate by the ammonia-soda process. No. 1,081,107; Dec. 9; Gaz. vol. 197; p. 439.
- Freiberger, Moritz. (See Mathesius and Freiberger.)
- Freiberger, Moritz, Budapest, Austria-Hungary. Producing patterns on fabrics. No. 1,080,433; Dec. 2; Gaz. vol. 197; p. 182.
- Freiborg, Meine P., Driscoll, N. D. Washing device. No. 1,082,313; Dec. 23; Gaz. vol. 197; p. 916.
- Freid, John, New York, N. Y. Garment-container. No. 1,066,265; July 1; Gaz. vol. 192; p. 130.
- Freirich, Julius, New York, N. Y. Clothes-rack. No. 1,056,530; Mar. 18; Gaz. vol. 188; p. 706.
- Fremon, Jules A. (See Witzig and Fremon.)
- French, Alfred W., Piqua, Ohio. Machine for forming oil-cakes. No. 1,059,986; Apr. 29; Gaz. vol. 189; p. 1047.
- French, Andrew G., Nelson, British Columbia, Canada. Electrolytic recovery of zinc and manganese. No. 1,055,157; Mar. 4; Gaz. vol. 188; p. 169.
- French, Andrew G., Nelson, British Columbia, Canada. Electrolytic recovery of zinc and manganese. No. 1,055,158; Mar. 4; Gaz. vol. 188; p. 169.
- French, Andrew G., Nelson, British Columbia, Canada. Treatment for the precipitation of ore values from the effluent waters of ore crushing and concentrating plants. No. 1,065,678; June 24; Gaz. vol. 191; p. 958.
- French, Charles L., Cambridge, Mass. Apparatus for storing gasoline and other inflammable oil. No. 1,058,956; Apr. 15; Gaz. vol. 189; p. 620.
- French, Charles S., *et al.* (See Lewinski, William, assignor.)
- French, D. Edwin. (See Tripp, Henry C., assignor.)
- French, George C., Eldora, Iowa. Fluc-cleaner. No. 1,051,323; Jan. 21; Gaz. vol. 186; p. 753.
- French, Harry B., assignor to Smith, Kline & French Co., Philadelphia, Pa. Commercial package for explosive volatile liquids. No. 1,062,565; May 20; Gaz. vol. 190; p. 754.
- French & Hecht. (See Einfeldt, Emil, assignor.)
- French, Herbert N., West Kirby, England. Business financial book. No. 1,068,885; July 29; Gaz. vol. 192; p. 1165.
- French, Horace E., assignor to Jesse French & Sons Piano Company, Newcastle, Ind. Modulating mechanism for musical instruments. No. 1,071,995; Sept. 2; Gaz. vol. 194; p. 113.
- French, John A., North Conway, N. H. Heel attachment. No. 1,058,685; Apr. 8; Gaz. vol. 189; p. 487.
- French, Michael P., Riverton, Ind. Hinge construction. No. 1,052,810; Feb. 11; Gaz. vol. 187; p. 362.
- French, Noah. (See Pugsley, William E., assignor.)
- Frenot, Ernest L., assignor to Société La Mondaïne, Paris, France. Combination electric-lamp bulb and diffuser. No. 1,067,599; July 15; Gaz. vol. 192; p. 649.
- Frenz, Emil W., Mauston, Wis. Folding cup. No. 1,056,409; Mar. 18; Gaz. vol. 188; p. 659.
- Freschl, William W., New York, N. Y. Package-seal. No. 1,080,823; Dec. 9; Gaz. vol. 197; p. 348.
- Fresno Agricultural Works. (See Pike and Porteous, assignors.)
- Frestadins, Victor, E. Norlin, and E. Oman, Stockholm, Sweden. Preserving aliments. No. 1,074,856; Oct. 7; Gaz. vol. 195; p. 90.
- Fretter, Frank B., and S. F. Beasley, Cleveland, Ohio; said Beasley assignor to said Fretter. Atomizer for lubricating purposes. No. 1,055,159; Mar. 4; Gaz. vol. 188; p. 169.
- Fretwell, William A., Wilson, N. C. Fire-alarm. No. 1,077,966; Nov. 4; Gaz. vol. 196; p. 249.
- Freud, Joseph, Mendota, Ill. Parachute. No. 1,056,786; Mar. 25; Gaz. vol. 188; p. 822.
- Freud, Maurice, Berlin, Germany. Shop-window frame. No. 1,066,806; July 8; Gaz. vol. 192; p. 344.
- Freuler, Robert, Halifax, N. C. Cotton-chopper. No. 1,082,418; Dec. 23; Gaz. vol. 197; p. 949.
- Freund, Carl. (See Thron and Freund.)
- Freund, Joseph. (See Myers and Freund.)
- Freund, Joseph, St. Louis, Mo., assignor to American Cement Tile Manufacturing Company, Wampum, Pa. Roofing-tile. No. 1,063,674; June 3; Gaz. vol. 191; p. 176.
- Freund, Joseph, St. Louis, Mo., assignor to American Cement Tile Manufacturing Company, Wampum, Pa. Tile roof and tile therefor. No. 1,082,076; Dec. 23; Gaz. vol. 197; p. 832.
- Freund, Joseph A., Waltham, Mass., assignor to The Keystone Watch Case Company, Philadelphia, Pa. Banking-pin. No. 1,062,645; May 27; Gaz. vol. 190; p. 825.
- Freund, Joseph A., Waltham, Mass., assignor to The Keystone Watch Case Company, Philadelphia, Pa. Watch-movement. No. 1,063,251; June 3; Gaz. vol. 191; p. 28.
- Frey, Ervin F., Emaus, Pa. Attachment for ironing-boards. No. 1,070,595; Aug. 19; Gaz. vol. 193; p. 590.
- Frey, Henry H., Newton, Kans. Hammer. No. 1,067,729; July 15; Gaz. vol. 192; p. 694.
- Frey, John A., Silver Spring, Md. Furnace for treating ores. No. 1,081,732; Dec. 16; Gaz. vol. 197; p. 685.
- Friberg, Charles P. A., Moline, Ill., assignor to Deere & Mansur Co. Tool or tools for earthworking implements. No. 1,054,404; Feb. 25; Gaz. vol. 187; p. 989.
- Friberg, Gunard G., Frederic, Wis. Stanchion. No. 1,080,755; Dec. 9; Gaz. vol. 197; p. 323.
- Friberg, John G., Maiden Rock, Wis. Horse-collar. No. 1,067,018; July 8; Gaz. vol. 192; p. 414.
- Frick Company. (See Oderman, Erik H., assignor.)
- Frick, Robert, Chicago, Ill. Recording mechanism. No. 1,078,138; Nov. 11; Gaz. vol. 196; p. 339.
- Fricke, August, Ohligs, Germany. Nailing-machine for boots and like articles. No. 1,054,684; Mar. 4; Gaz. vol. 188; p. 10.
- Fricke, Gustav C., Morgan Park, Ill. Hair-comb. No. 1,077,403; Nov. 4; Gaz. vol. 196; p. 58.
- Fricke, William, *et al.* (See Schulz, Augusta, assignor.)
- Frickley, Royal E., Heroult, assignor to Noble Electric Steel Company, San Francisco, Cal. Electrical reduction-furnace. No. 1,080,824; Dec. 9; Gaz. vol. 197; p. 349.

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- Fricot, Desiré. (See Moores, William G., assignor.)
- Friction Transfer Pattern Co., The. (See Hanington, Rosenstein, and Southward, assignors.)
- Frieband, Nicholas, Shenandoah, Pa. Miner's lamp-holder. No. 1,080,431; Dec. 2; Gaz. vol. 197; p. 182.
- Friebis, Joseph. (See Holmes, Clayton F., assignor.)
- Fried, Bernhard, Budapest, Austria-Hungary. Changeable sign. No. 1,079,851; Nov. 25; Gaz. vol. 196; p. 994.
- Fried, Johann A., Barmen, Germany. Burning refuse. No. 1,065,516; June 24; Gaz. vol. 191; p. 902.
- Fried. Krupp Aktiengesellschaft. (See Böminghaus, Franz, assignor.)
- Fried. Krupp Aktiengesellschaft. (See Hayn and Koch, assignors.)
- Fried. Krupp Aktiengesellschaft. (See Hermsdorf, Max, assignor.)
- Fried. Krupp Aktiengesellschaft. (See Jahn, Otto, assignor.)
- Fried. Krupp Aktiengesellschaft. (See Koch, Norbert, assignor.)
- Fried. Krupp Aktiengesellschaft. (See Korrodi, Heinrich, assignor.)
- Fried. Krupp Aktiengesellschaft. (See Lauber and Stock, assignors.)
- Fried. Krupp Aktiengesellschaft. (See Mayer, Wilhelm, assignor.)
- Fried. Krupp Aktiengesellschaft. (See Sachtleben, Friedrich, assignor.)
- Fried. Krupp Aktiengesellschaft. (See Schürmann, Richard, assignor.)
- Fried. Krupp Aktiengesellschaft. (See Schwartz, Wilhelm, assignor.)
- Fried. Krupp Aktiengesellschaft. (See Strauss, Hans, assignor.)
- Fried. Krupp Aktiengesellschaft. (See Thiel, Heinrich, assignor.)
- Fried. Krupp Aktiengesellschaft. (See Wieder, Franz, assignor.)
- Fried. Krupp Aktiengesellschaft. (See Wienholtz, Georg, assignor.)
- Fried. Krupp Aktiengesellschaft. (See Wieser, Karl, assignor.)
- Fried. Krupp Aktiengesellschaft. (See Ziegenfuss, Friedrich, assignor.)
- Fried. Krupp Aktiengesellschaft Grusonwerk. (See Ullrich, Georg, assignor.)
- Fried, Marcus, Providence, R. I. Tool-holder. No. 1,049,694; Jan. 7; Gaz. vol. 186; p. 128.
- Friedberger, Otto, Giessen, Germany, assignor of one-third to E. A. Byrnes, C. P. Townsend, and J. H. Brickenstein. Making lactic acid. No. 1,074,708; Oct. 7; Gaz. vol. 195; p. 43.
- Friedberger, Simon. (See Clark, Absalom F., assignor.)
- Friedberger, Simon, Philadelphia, Pa. Knitted fabric. No. 1,050,120; Jan. 14; Gaz. vol. 186; p. 306.
- Friedel, Harry W., and H. J. Lutz, Wheeling, W. Va. Transmission-gearing. No. 1,049,840; Jan. 7; Gaz. vol. 186; p. 177.
- Frieder, William, Cincinnati, Ohio. Garter-fastener. No. 1,059,961; Apr. 22; Gaz. vol. 189; p. 994.
- Friederichs, Charles L., et al. (See Stephenson and Billington, assignors.)
- Friederick, Philippe, Salina, Kans. Buttonhole-scissors. No. 1,080,145; Dec. 2; Gaz. vol. 197; p. 80.
- Friedman, Bernhard Z., Fort Worth, Tex. Striking mechanism for clocks. No. 1,053,722; Feb. 18; Gaz. vol. 187; p. 721.
- Friedman, Bernhard Z., Fort Worth, Tex. Clock. No. 1,060,591; May 6; Gaz. vol. 190; p. 9.
- Friedman, Bernhard Z., Fort Worth, Tex. Advertising device. No. 1,069,122; Aug. 5; Gaz. vol. 193; p. 11.
- Friedman, Joseph. (See Hershkovitz and Friedman.)
- Friedman, Leslie H., Melbourne, Victoria, Australia. Type-writing machine. No. 1,056,657; Mar. 18; Gaz. vol. 188; p. 747.
- Friedman, Leslie H., St. Kilda, Melbourne, Victoria, Australia. Type-writing machine. No. 1,081,108; Dec. 9; Gaz. vol. 197; p. 439.
- Friedman, Louis, New York, N. Y. Gas-producer. No. 1,076,823; Oct. 28; Gaz. vol. 195; p. 882.
- Friedman, Louis H., Norfolk, Va. Time-register. No. 1,076,668; Oct. 28; Gaz. vol. 195; p. 827.
- Friedman, Morris, Philadelphia, Pa. Overcoat. No. 1,052,475; Feb. 11; Gaz. vol. 187; p. 249.
- Friedmann, A. R., et al. (See Welch, Andrew H., assignor.)
- Friedmann, Harry, Baltimore, Md., assignor, by mesne assignments, to Cluett, Peabody & Co., Inc., Troy, N. Y. Fold-cuff. No. 1,079,484; Nov. 25; Gaz. vol. 196; p. 865.
- Friedmann, Hermann, assignor to Farbenfabriken vorm. Friedr. Bayer & Co., Elberfeld, Germany. Dyes of the anthraquinone series. No. 1,065,440; June 24; Gaz. vol. 191; p. 876.
- Friedmann, Samuel, Baltimore, Md. Cuff-fastener. No. 1,072,110; Sept. 2; Gaz. vol. 194; p. 151.
- Friedrich, Eduard, Leipzig-Plagwitz, Germany. Crusher. No. 1,078,342; Nov. 11; Gaz. vol. 196; p. 411.
- Friedrich, Ernest H. (See McLane, Friedrich, and Warner.)
- Friedrichs, Ernst, Barmen, Germany. Unloader and starter for compressors and pumps. No. 1,073,801; Sept. 23; Gaz. vol. 194; p. 827.
- Friedrichs, Heinrich W. A. T., Bergedorf, Germany. Treating groundnuts and product derived therefrom. No. 1,066,200; July 1; Gaz. vol. 192; p. 106.
- Friend, Charles W. (See Matteson, Harry E., assignor.)
- Friend, Howard, Lexington, Okla. Bridge construction. No. 1,052,048; Feb. 4; Gaz. vol. 187; p. 71.
- Friend, Howard, assignor of one-half to E. J. Keller, Lexington, Okla. Bridge construction. No. 1,074,941; Oct. 7; Gaz. vol. 195; p. 120.
- Friend, Richard C., Clairton, Pa. Wrench. No. 1,065,796; June 24; Gaz. vol. 191; p. 996.
- Friendly, Herbert M., Portland, Oreg. Apparatus for fault location on electrical conductors. No. 1,057,817; Apr. 1; Gaz. vol. 189; p. 145.
- Friendly, Herbert M., Portland, Oreg. Testing electrical conductors. No. 1,081,300; Dec. 16; Gaz. vol. 197; p. 543.
- Fries, Karl A. (A.) E., Stockholm, Sweden. Apparatus for producing artificial respiration. No. 1,057,633; Apr. 1; Gaz. vol. 189; p. 80.
- Friese, Fritz. (See Heilbrunn and Friese.)
- Friese, Norman L., Roanoke, Va., assignor to R. C. Dudley, Chicago, Ill. Car-roof. No. 1,074,255; Sept. 30; Gaz. vol. 194; p. 1008.
- Friman, Wilhelm, Quincy, Mass. Life-saving apparatus. No. 1,054,191; Feb. 25; Gaz. vol. 187; p. 915.
- Frindt, Karl A. O., Chicago, Ill. Paper-file handle. No. 1,080,963; Dec. 9; Gaz. vol. 197; p. 395.
- Frink, Gerald, Seattle, Wash. Pulley-block. No. 1,078,190; Nov. 11; Gaz. vol. 196; p. 357.
- Frink, Robert L., Cleveland, Ohio. Method of and apparatus for drawing glass. No. 1,071,727; Sept. 2; Gaz. vol. 194; p. 19.
- Frink, Walter J., Chattanooga, Tenn. Buckle. No. 1,050,635; Jan. 14; Gaz. vol. 186; p. 483.
- Frisbee, Frank E., Des Moines, Iowa. Window-frame. No. 1,076,567; Oct. 21; Gaz. vol. 195; p. 738.
- Frischmann, Thomas, Cleveland, Ohio. Bread-making machine. No. 1,057,231; Mar. 25; Gaz. vol. 188; p. 975.
- Frisina, Francesco, Brooklyn, N. Y. Extension-table. No. 1,077,826; Nov. 4; Gaz. vol. 196; p. 200.
- Frisinger, David F., St. Louis, Mo. Manual motor. No. 1,069,327; Aug. 5; Gaz. vol. 193; p. 83.
- Frissell, Frank H., assignor to Russell Mfg. Co., Middletown, Conn. Elastic cord. No. 1,050,442; Jan. 14; Gaz. vol. 186; p. 417.
- Frissell, Frank H., assignor to Russell Mfg. Co., Middletown, Conn. Elastic webbing and producing same. No. 1,081,006; Dec. 9; Gaz. vol. 197; p. 408.
- Frith, John, Bridgeport, Conn. Attachment for controlling telephone switch-hooks. No. 1,082,856; Dec. 30; Gaz. vol. 197; p. 1135.
- Fritsch, Edward, Minonk, Ill. Railway-tie. No. 1,081,666; Dec. 16; Gaz. vol. 197; p. 663.
- Fritsch, John A., Pittsburgh, Pa. Cushion-cleaning machine. No. 1,072,843; Sept. 9; Gaz. vol. 194; p. 432.
- Fritsch, Lewis A., Cincinnati, Ohio. Self-locking body-brace. No. 1,075,348; Oct. 14; Gaz. vol. 195; p. 288.
- Fritsche, Otto, New Ulm, Minn. Spring. No. 1,070,796; Aug. 19; Gaz. vol. 193; p. 657.
- Fritz, Adelia R., Waverly, Iowa. Trousers-supporter. No. 1,059,603; Apr. 22; Gaz. vol. 189; p. 877.
- Fritz, Anton. (See Preissler and Fritz.)
- Fritz, George E. (See Hinkle, Max H., assignor.)
- Fritz, George E. (See Hinkle and Fritz.)
- Fritz, Henry L., Los Angeles, Cal. Moving-picture-projecting apparatus. No. 1,081,733; Dec. 16; Gaz. vol. 197; p. 686.
- Fritz, Henry L., assignor of fifty-one one-hundredths to H. F. Daly, Los Angeles, Cal. Moving-picture camera. No. 1,070,954; Aug. 19; Gaz. vol. 193; p. 706.
- Fritz, Herman C., Cleveland, Ohio, assignor to American Stove Company, St. Louis, Mo. Lighting device for gas-stoves. No. 1,061,738; May 13; Gaz. vol. 190; p. 440.
- Fritz, Jacob, et al. (See Butler, John R., assignor.)
- Fritz, Julius L., assignor of one-half to A. H. Oman, Philadelphia, Pa. Priming device for carbureters. (Re-issue.) No. 13,580; June 24; Gaz. vol. 191; p. 1036.
- Fritz, Robert G., Los Angeles, Cal. Boiler. No. 1,083,205; Dec. 30; Gaz. vol. 197; p. 1247.
- Fritz, Walter, Berlin, Germany. Marine turbine. No. 1,073,895; Sept. 23; Gaz. vol. 194; p. 859.
- Fritze, Bernard J., et al. (See Colson, Charles H., assignor.)
- Fritze, William B., et al. (See Colson, Charles H., assignor.)
- Fritzsche, Otto, New York, N. Y. Shoe-protector. No. 1,053,024; Feb. 11; Gaz. vol. 187; p. 434.
- Frizzell, Bernard F., Washington, D. C. Type-writing machine. No. 1,061,464; May 13; Gaz. vol. 190; p. 344.
- Frobenius, Raymond E. (See Taylor and Frobenius.)
- Froberg, Johan R., Richmond, Cal. Aeroplane-blade construction. No. 1,050,530; Jan. 14; Gaz. vol. 186; p. 449.

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- Fröhlich, Albert A., Toledo, Ohio. Thermostatic fuel-regulator. No. 1,058,171; Apr. 8; Gaz. vol. 189; p. 311.
- Fröhlich, Henry, Central Aguirre, Porto Rico. Tobacco-pipe. No. 1,061,234; May 6; Gaz. vol. 190; p. 230.
- Frölich, John, assignor to Hackney Manufacturing Company, St. Paul, Minn. Plow-lift for gang-plows. No. 1,056,531; Mar. 18; Gaz. vol. 188; p. 706.
- Frölich, John, assignor to Hackney Manufacturing Company, St. Paul, Minn. Plow-lift for gang-plows. No. 1,056,532; Mar. 18; Gaz. vol. 188; p. 706.
- Froendt, George, Milford, Iowa. Printing-frame. No. 1,072,444; Sept. 9; Gaz. vol. 194; p. 292.
- Froese, Minna, New York, N. Y. Hook-and-eye fastening. No. 1,060,899; May 6; Gaz. vol. 190; p. 117.
- Frogner, Charles H. (See Hansen and Frogner.)
- Frogs' Novelty Company. (See Calisch, James H., assignor.)
- Fröhlich, Jaroslav. (See Engi and Fröhlich.)
- Frohn, Joseph, New York, N. Y. Tape moistening and cutting machine. No. 1,058,957; Apr. 15; Gaz. vol. 189; p. 620.
- Frohn, Joseph, New York, N. Y. Tape moistening and cutting machine. No. 1,058,958; Apr. 15; Gaz. vol. 189; p. 621.
- Fromelt, H. H. (See Anderson, Haldor A., assignor.)
- Fromholz, Reinhold, Boxhagen, Germany. Talking-machine. No. 1,075,708; Oct. 14; Gaz. vol. 195; p. 412.
- Fromm, Otto, and M. Schodly, Schwartau, near Lübeck, Germany. Process and contrivance for production particularly of sugar-crystals in vacuum. No. 1,066,397; July 1; Gaz. vol. 192; p. 172.
- Frommer, Rudolf, and A. Molnár; said Molnár assignor to Fegyver-És Gépgyár Részvénytársaság, Budapest, Austria-Hungary. Manufacture of spring-caps. No. 1,050,121; Jan. 14; Gaz. vol. 186; p. 306.
- Frood, Alfred D., East Caulfield, Victoria, Australia. Composition for cleaning metal goods and paintwork. No. 1,071,728; Sept. 2; Gaz. vol. 194; p. 20.
- Frosig, Jeff, and L. W. Walstrom, Reno, Nev. Vehicle-spring. No. 1,076,414; Oct. 21; Gaz. vol. 195; p. 684.
- Frost, Charles L., Grand Rapids, Mich. Spring-latch. No. 1,075,028; Oct. 7; Gaz. vol. 195; p. 151.
- Frost, Homer E., assignor to The Electric Controller and Manufacturing Company, Cleveland, Ohio. Electric switch. No. 1,053,489; Feb. 18; Gaz. vol. 187; p. 640.
- Frost Manufacturing Co., The. (See Theleen, Oscar H., assignor.)
- Frost, Martha, New York, N. Y. Sad-iron holder. No. 1,073,483; Sept. 16; Gaz. vol. 194; p. 695.
- Frost, Nathaniel, assignor to American Foundry & Furnace Co., Bloomington, Ill. Portable cremating-closet and garbage-destroyer. No. 1,051,722; Jan. 28; Gaz. vol. 186; p. 920.
- Frost, Walter E., Auburn, Me. Lantern. No. 1,071,151; Aug. 26; Gaz. vol. 193; p. 806.
- Frost, William H., Erie, Pa., assignor to General Electric Company. Mounting of engines in motor-cars. No. 1,076,415; Oct. 21; Gaz. vol. 195; p. 684.
- Frude, Frank H., assignor of one-third to S. I. Levin, Chicago, Ill. Attachment for moving-picture machines. No. 1,079,549; Nov. 25; Gaz. vol. 196; p. 887.
- Fruin, Harry A., Port Leyden, N. Y. Saw-swage. No. 1,069,687; Aug. 12; Gaz. vol. 193; p. 235.
- Fruit, Jesse R. (See Sage and Fruit.)
- Fry, Charles E., Tiosa, Ind. Railway-tie. No. 1,070,443; Aug. 19; Gaz. vol. 193; p. 537.
- Fry, Clark L., Oxford, Wis. Spike-puller. No. 1,051,211; Jan. 21; Gaz. vol. 186; p. 715.
- Fry, Clark L., Oxford, Wis. Railway-spike. No. 1,051,212; Jan. 21; Gaz. vol. 186; p. 715.
- Fry, J. G. (See Seashole, Guy W., assignor.)
- Fry, Jesse H., Rochester, Pa. Bichromatic lamp. (Re-issue.) No. 13,648; Nov. 18; Gaz. vol. 196; p. 778.
- Fry, Thomas E. (See Ross and Fry.)
- Fryar, Allen P., Ashton, Idaho. Letter-case. No. 1,062,232; May 20; Gaz. vol. 190; p. 645.
- Frye, Lee E., assignor to N. B. Douglass, San Francisco, Cal. Apartment-bed and latch. No. 1,055,304; Mar. 4; Gaz. vol. 188; p. 216.
- Fryer, George G., Syracuse, N. Y. Metal barrel. No. 1,080,825; Dec. 9; Gaz. vol. 197; p. 349.
- Fryer, Jesse D., Alhambra, Cal. Drawer-guide. No. 1,061,465; May 13; Gaz. vol. 190; p. 345.
- Frysinger, James M. (See Polgert, Joseph W., assignor.)
- Fuchs, Ernesto, Guadalajara, Mexico. Identification device. No. 1,073,036; Sept. 9; Gaz. vol. 194; p. 501.
- Fuchs, Henry, Jersey City Heights, N. J. Hot-air incubator. No. 1,070,677; Aug. 19; Gaz. vol. 193; p. 617.
- Fuchs, Herman, St. Louis, Mo. Fuel-gasifier for internal-combustion engines. No. 1,081,228; Dec. 9; Gaz. vol. 197; p. 180.
- Fuchs, John J., Jr., Benson, Nebr. Milling attachment for latbes. No. 1,053,090; Feb. 11; Gaz. vol. 187; p. 459.
- Fuchs, Leon, Dayton, Ohio. Surface-indicator. No. 1,079,169; Nov. 18; Gaz. vol. 196; p. 729.
- Fuchs, Ludwig F., Hoboken, N. J., assignor to Anti-Magnetic Compass Co. Gyroscopic compass. No. 1,067,808; July 22; Gaz. vol. 192; p. 754.
- Fudge, Benjamin D., Bainbridge, Ga. Sheet-metal pipe. No. 1,061,739; May 13; Gaz. vol. 190; p. 441.
- Fudge, Raymond E. (See Mettler and Fudge.)
- Fudickar, Gottlieb. (See Guban, Thomas, assignor.)
- Fuenfstueck, Gustav, assignor to The S. & H. Supply and Machinery Company, Denver, Colo. Composition of matter for curing punctures in pneumatic tires. No. 1,070,596; Aug. 19; Gaz. vol. 193; p. 590.
- Fuhr, Adam, assignor to Firm of H. Lanz, Mannheim, Germany. Rotary power-hoe. No. 1,061,235; May 6; Gaz. vol. 190; p. 230.
- Fuhrer, Daniel, Bluffton, Ind. Gasolene-engine starter. No. 1,061,536; May 13; Gaz. vol. 190; p. 371.
- Fuhrman, Otto. (See White, Thomas F., assignor.)
- Fuhrmann, Charles P., Erie, Pa., assignor to American Can Company, New York, N. Y. Pipe-band wire-looping machine. No. 1,072,844; Sept. 9; Gaz. vol. 194; p. 432.
- Fukutome, Shizuharu, Kagoshima-Ken, Japan. Water-gage. No. 1,066,807; July 8; Gaz. vol. 192; p. 344.
- Fulcher, Thomas G. (See McCumber and Fulcher.)
- Fulford, Harry, Cranston, R. I., and L. Reiter, New York, N. Y. Clothing-fastener. No. 1,066,398; July 1; Gaz. vol. 192; p. 172.
- Fulgham, William C., Utica, Miss. Rail-joint. No. 1,064,139; June 10; Gaz. vol. 191; p. 367.
- Fulghum, Albert J., Chattanooga, Tenn. Blacksmith's tool. No. 1,073,802; Sept. 23; Gaz. vol. 194; p. 827.
- Full, Peter, Vermilion, Ohio. Scraping-tool. No. 1,082,802; Dec. 30; Gaz. vol. 197; p. 1116.
- Fullenlove, McClellan C., Louisville, Ky., assignor to Memphis Shock Absorber Company. Shock-absorber. No. 1,068,644; July 29; Gaz. vol. 192; p. 1079.
- Fuller, Alfred C. (See Spafford, Stanley E., assignor.)
- Fuller, Carl T., East Orange, N. J., assignor to General Electric Company. Working tungsten. No. 1,077,696; Nov. 4; Gaz. vol. 196; p. 156.
- Fuller, Carl T., East Orange, N. J., assignor to General Electric Company. Treating tungsten. No. 1,077,827; Nov. 4; Gaz. vol. 196; p. 200.
- Fuller, Charles E. (See Hatz, George J., assignor.)
- Fuller, Charles E., and G. J. Hatz, Omaha, Nebr., assignors to S. H. Campbell, St. Louis, Mo. Force-feeder for grease-cups. No. 1,065,517; June 24; Gaz. vol. 191; p. 902.
- Fuller, Charles K., Lynn, Mass. Picture-hanger. No. 1,065,350; June 24; Gaz. vol. 191; p. 845.
- Fuller, Claud E., Buffalo, Kans. Treating paving-blocks. No. 1,063,964; June 10; Gaz. vol. 191; p. 306.
- Fuller, Claud E., Buffalo, Kans. Apparatus for treating paving-blocks. No. 1,063,965; June 10; Gaz. vol. 191; p. 306.
- Fuller, Eugene, Providence, R. I., assignor to Webb Manufacturing Company. Wire-mesh fabric. No. 1,079,293; Nov. 18; Gaz. vol. 196; p. 768.
- Fuller, Eugene, and A. Lange, assignors, by mesne assignments, to E. Fuller, Providence, R. I. Napkin-holder. No. 1,053,126; Feb. 11; Gaz. vol. 187; p. 471.
- Fuller, Franz A., assignor to The J. E. Mergott Company, Newark, N. J. Making bag-frames. No. 1,056,272; Mar. 18; Gaz. vol. 188; p. 616.
- Fuller, Franz A., assignor to The J. E. Mergott Company, Newark, N. J. Handle-fastening for bag-frames. No. 1,062,390; May 20; Gaz. vol. 190; p. 698.
- Fuller, Franz A., assignor to The J. E. Mergott Company, Newark, N. J. Bag-frame. No. 1,062,391; May 20; Gaz. vol. 190; p. 699.
- Fuller, Fred S., Eaton, Colo. Sack-holder attachment for potato-sorters. No. 1,080,685; Dec. 9; Gaz. vol. 197; p. 297.
- Fuller, James A., assignor to Hamilton and Hamilton, Jr., Providence, R. I. Cigar-end cutter. No. 1,061,236; May 6; Gaz. vol. 190; p. 231.
- Fuller, Louis F., Girard, Kans. Heat equalizing and radiating plate. No. 1,063,526; June 3; Gaz. vol. 191; p. 120.
- Fuller Manufacturing Company, The. (See Pratt, Alphonso C., assignor.)
- Fuller, Percy W., Boston, Mass. Multistage parallel-flow pump. No. 1,071,042; Aug. 26; Gaz. vol. 193; p. 770.
- Fuller, Silas S., Auburn, Me. Single-service tool-holder. No. 1,073,112; Sept. 16; Gaz. vol. 194; p. 565.
- Fuller, Truman S., Schenectady, N. Y., assignor to General Electric Company. Composite metal. No. 1,077,977; Nov. 11; Gaz. vol. 196; p. 284.
- Fuller, W., et al. (See Tatum, James W., assignor.)
- Fullington, George H., Detroit, Mich. Coin-controlled apparatus. No. 1,050,358; Jan. 14; Gaz. vol. 186; p. 387.
- Fulmer, Albert P., and F. M. Nebinger, Wilmington, Del. Hook and eye. No. 1,076,360; Oct. 21; Gaz. vol. 195; p. 665.
- Fulper, John W., Annandale, N. J. Vacuum-mop. No. 1,066,201; July 1; Gaz. vol. 192; p. 106.
- Fulper, John W., Annandale, N. J. Vacuum-cleaner. No. 1,077,518; Nov. 4; Gaz. vol. 196; p. 98.
- Fulton Company, The. (See Fulton, Weston M., assignor.)

Alphabetical list of patentees—Continued.

- Fulton, Eliza J., St. Louis, Mo. Device for preventing hens from setting. No. 1,068,121; July 22; Gaz. vol. 192; p. 858.
- Fulton, Henry C., assignor to Washable Shoe Company, Chicago, Ill. Washable slipper. No. 1,066,596; July 8; Gaz. vol. 192; p. 271.
- Fulton Iron Works. (See Setz, Hans R., assignor.)
- Fulton Manufacturing Co. (See Baldwin, James E., assignor.)
- Fulton Manufacturing Company. (See Adams, Arthur J., assignor.)
- Fulton, Robert A. (See Turner and Fulton.)
- Fulton, Samuel M., Pomona, Cal. Pumping-head. No. 1,050,443; Jan. 14; Gaz. vol. 186; p. 417.
- Fulton, Weston M., assignor to The Fulton Company, Knoxville, Tenn. Making vibratory corrugated-metal walls. No. 1,049,572; Jan. 7; Gaz. vol. 186; p. 88.
- Fumo, Andrea, New York, N. Y. Therapeutic apparatus. No. 1,078,343; Nov. 11; Gaz. vol. 196; p. 411.
- Funcke, Daniel C., Wiesbaden, Germany. Combined tooth-brush and prophylactic container. No. 1,062,961; May 27; Gaz. vol. 190; p. 928.
- Funk Brothers. (See Dodson, Charles I., assignor.)
- Funk, Charley F. (See Funk, William E. and C. F.)
- Funk, Cullen T., Hartsville, Ohio. Whip-socket. No. 1,066,485; July 8; Gaz. vol. 192; p. 231.
- Funk, Edward A. (See Prochnow, Otto, assignor.)
- Funk, James A. (See Peck, Isaac M., assignor.)
- Funk, John E., Moorland, assignor to Progressive Manufacturing Company, Stockton, Cal. Ditching-machine. No. 1,073,227; Sept. 16; Gaz. vol. 194; p. 606.
- Funk, John G., Swissvale borough, Pa. Air-cushion device for vehicles. No. 1,055,734; Mar. 11; Gaz. vol. 188; p. 397.
- Funk, John L., San Bernardino, Cal. Combustion-nozzle. No. 1,064,965; June 17; Gaz. vol. 191; p. 681.
- Funk Machine Co. (See Funk, Nelson E., assignor.)
- Funk, Madison L., Madison, Okla. Collapsible egg-case. No. 1,081,229; Dec. 9; Gaz. vol. 197; p. 481.
- Funk, Nelson E., New York, N. Y., assignor to Funk Machine Co. Blower. No. 1,062,149; May 20; Gaz. vol. 190; p. 617.
- Funk, Richard W., Weehawken, N. J., assignor to R. W. Funk, Incorporated, New York, N. Y. Vehicle wheel-rim. No. 1,064,066; June 10; Gaz. vol. 191; p. 341.
- Funk, Samuel W., Charter Oak, Cal. Tire-protector. No. 1,050,636; Jan. 14; Gaz. vol. 186; p. 483.
- Funk, William R. and C. F., Archer City, Tex. Roller for railway-track jacks. No. 1,075,559; Oct. 14; Gaz. vol. 195; p. 362.
- Funkhouser, Howard L., assignor of one-eighth to W. J. Thornton, Beaver Falls, Pa. Railway-signal. No. 1,057,049; Mar. 25; Gaz. vol. 188; p. 912.
- Funkhouser, Robert D. (See Matthews, William H., assignor.)
- Furbeck, George W., Kansas City, Mo. Butter-pat-making machine. No. 1,073,896; Sept. 23; Gaz. vol. 194; p. 859.
- Furber, Frederick M., Lynn, Mass., assignor to United Shoe Machinery Company, Paterson, N. J. Finishing-machine. No. 1,080,207; Dec. 2; Gaz. vol. 197; p. 101.
- Furlong, William, *et al.* (See Raleigh, James F., assignor.)
- Furlow, Floyd C., Montclair, assignor to Otis Elevator Company, Jersey City, N. J. Fluid-dash-pot buffer device. No. 1,064,203; June 10; Gaz. vol. 191; p. 389.
- Furlow, Floyd C., Montclair, assignor to Otis Elevator Company, Jersey City, N. J. Fluid buffer device for elevators. No. 1,064,204; June 10; Gaz. vol. 191; p. 389.
- Furman, Clifford G., Binghamton, assignor to G. O. Knapp, New York, N. Y. Stamping mechanism. No. 1,073,340; Sept. 16; Gaz. vol. 194; p. 646.
- Furman, Eugene C., Newport News, Va. Non-refillable bottle. No. 1,066,597; July 8; Gaz. vol. 192; p. 271.
- Furnace Patent Company, The. (See Wedge, Utey, assignor.)
- Furst, John S., assignor to Lippincott Pencil Company, Philadelphia, Pa. Pencil holding and sharpening device. No. 1,059,725; Apr. 22; Gaz. vol. 189; p. 917.
- Fürstenau, Marie, Berlin, Germany. Stud-and-socket fastening. No. 1,053,960; Feb. 18; Gaz. vol. 187; p. 799.
- Furuya, Motoichi, New York, N. Y. Spring-hinge. No. 1,076,568; Oct. 21; Gaz. vol. 195; p. 738.
- Fussell, George, assignor of one-half to M. Dillon, Vancouver, British Columbia, Canada. Rail connection. No. 1,056,658; Mar. 18; Gaz. vol. 188; p. 747.
- Fussenecker, Ernst, assignor to Badische Anilin & Soda Fabrik, Ludwigshafen-on-the-Rhine, Germany. Azo dye. No. 1,076,756; Oct. 28; Gaz. vol. 195; p. 858.
- Fussgänger, Victor, assignor to Farbwerke vorm. Meister Lucius & Brüning, Höchst-on-the-Main, Germany. Machine for printing carpet-yarns. No. 1,063,252; June 3; Gaz. vol. 191; p. 28.
- Futhey, William H., Childress, Okla. Pump-supporting attachment for cycles. No. 1,058,229; Apr. 8; Gaz. vol. 189; p. 330.
- Fuzeré, Jean P., Santa Barbara, Cal. Rotary toy. No. 1,050,269; Jan. 14; Gaz. vol. 186; p. 356.
- Fyfe, Peter, Glasgow, Scotland. Gas-burning apparatus. No. 1,074,110; Sept. 30; Gaz. vol. 194; p. 960.
- Fyfe, Robert, St. Louis, Mo. Burglar-alarm. No. 1,050,637; Jan. 14; Gaz. vol. 186; p. 484.
- Fyfe, Samuel G., assignor of one-half to O. B. Smith, Waukegan, Ill. Machine for surgical and oral cleaning. No. 1,065,351; June 24; Gaz. vol. 191; p. 845.
- Fyke, John L. (See Weir and Fyke.)
- Fynn, Valère A., London, England. Alternate-current motor. No. 1,050,444; Jan. 14; Gaz. vol. 186; p. 418.
- Fynn, Valère A., London, England. Alternate-current motor. No. 1,050,445; Jan. 14; Gaz. vol. 186; p. 418.
- Fynn, Valère A., London, England. Alternate-current motor. No. 1,079,332; Nov. 25; Gaz. vol. 196; p. 814.
- Fynn, Valère A., Blackheath, England. Generator, converter, and alternate-current motor. No. 1,068,494; July 29; Gaz. vol. 192; p. 1027.
- Fynn, Valère A., assignor to Wagner Electric Manufacturing Company, St. Louis, Mo. Alternating-current-motor control. No. 1,072,445; Sept. 9; Gaz. vol. 194; p. 293.
- Fyro Extinguisher Company. (See Tibbals, Walter H., assignor.)
- G. A. Schlechter Co. (See Schlechter, Gustavus A., assignor.)
- G. B. Lewis Company. (See Mollart, Lobegott, assignor.)
- G. and J. Weir. (See Petermüller, Joseph, assignor.)
- G. & L. Mfg. Co., The. (See Graham and Lepaige, assignors.)
- G. M. System Co. (See Graham, George M., assignor.)
- Gaal, Alexander, Chicago, Ill. Toilet-cabinet. No. 1,062,962; May 27; Gaz. vol. 190; p. 928.
- Gabbett-Fairfax, Hugh W., Westminster, London, England. Depericarping apparatus. No. 1,051,877; Feb. 4; Gaz. vol. 187; p. 10.
- Gabel, John C., Champaign, assignor of one-half to C. N. Cadwell, Chicago, Ill. Mail-box. No. 1,055,735; Mar. 11; Gaz. vol. 188; p. 398.
- Gäbel, Otto, assignor to Firm of H. Burkhardt, Apolda, Germany. Double-rib-warp-knitting machine. No. 1,078,914; Nov. 18; Gaz. vol. 196; p. 640.
- Gabet, Gustave, Paris, France. Sign for advertising. No. 1,064,897; June 17; Gaz. vol. 191; p. 657.
- Gable, George W., assignor of one-half to M. Gable, Louisville, Ky. Nut-cracking machine. No. 1,069,542; Aug. 5; Gaz. vol. 193; p. 157.
- Gable, Ira A. (See Gable, John E. and I. A.)
- Gable, John E., Cambridge, and I. A. Gable, Byesville, Ohio. Automatic car-stop and caging apparatus for mines. No. 1,064,067; June 10; Gaz. vol. 191; p. 341.
- Gable, Martin. (See Gable, George W., assignor.)
- Gabler, Andrew, Millvale, assignor of one-half to J. J. Gabler, Pittsburgh, Pa. Tie and rail-fastener. No. 1,055,896; Mar. 11; Gaz. vol. 188; p. 453.
- Gabler, Johannes. (See Elmendorf and Gabler.)
- Gabler, Joseph J. (See Gabler, Andrew, assignor.)
- Gabrielson, Arthur A., Portland, Me. Folding umbrella. No. 1,065,123; June 17; Gaz. vol. 191; p. 732.
- Gabrielson, Carl. (See De Wallace, Harry, assignor.)
- Gabrielson, Carl, assignor to L. C. Smith & Bros. Typewriter Company, Syracuse, N. Y. Tabulating mechanism for type-writing machines. No. 1,058,230; Apr. 8; Gaz. vol. 189; p. 331.
- Gabrielson, John, and K. Karlstrom, Buffalo, N. Y. Anti-refillable bottle. No. 1,077,060; Oct. 28; Gaz. vol. 195; p. 965.
- Gabrys, Georg, Budapest, Austria-Hungary, assignor of forty-five one-hundredths to F. Yokel and forty-five one-hundredths to A. Steffen, Meriden, Conn. Portable melting apparatus. No. 1,082,314; Dec. 23; Gaz. vol. 197; p. 916.
- Gadbois, Eli, Chicago, Ill. Door-check. No. 1,071,409; Aug. 26; Gaz. vol. 193; p. 894.
- Gadd, Charles J., Lebanon, Pa. Head-support for screw-spikes. No. 1,062,905; May 27; Gaz. vol. 190; p. 910.
- Gadd, Lorenzo G., San Francisco, Cal. Recorder. No. 1,067,912; July 22; Gaz. vol. 192; p. 789.
- Gadecki, John, Mystic, Iowa. Hat-pin-point protector. No. 1,063,426; June 3; Gaz. vol. 191; p. 87.
- Gadermayr, Hermann, Bischopswerda, Germany. Gas-generator. No. 1,061,466; May 13; Gaz. vol. 190; p. 345.
- Gaede, Wolfgang, Freiburg, Breisgau, Germany. Method and apparatus for producing high vacuums. No. 1,069,408; Aug. 5; Gaz. vol. 193; p. 112.
- Gaertner, William, Chicago, Ill. Spring-clamp. No. 1,052,234; Feb. 4; Gaz. vol. 187; p. 135.
- Gaetjé, John H. (See Morey and Gaetjé.)
- Gaff, Thomas T., Washington, D. C. Explosion-engine. No. 1,059,604; Apr. 22; Gaz. vol. 189; p. 877.
- Gaffney, Charles E., and J. R. Pettiford, St. Louis, Mo.; said Pettiford assignor to said Gaffney. Hot-water and vacuum cleaning system. No. 1,053,375; Feb. 18; Gaz. vol. 187; p. 600.
- Gaffney, John L., Chicago, Ill. Match-box holder. No. 1,064,068; June 10; Gaz. vol. 191; p. 341.
- Gafney, James A., Brownsville, Pa. Scrubbing-machine. No. 1,059,136; Apr. 15; Gaz. vol. 189; p. 682.
- Gagatek, Andrew P., assignor of one-fourth to J. Racznik, one-eighth to S. J. Masior, one-fourth to K. Kanja, and one-eighth to R. A. Kieras, Chicago, Ill. Rail-joint. No. 1,070,127; Aug. 12; Gaz. vol. 193; p. 386.

- Gage, Burt O., assignor to Warren Steam Pump Company, Warren, Mass. Air-pump. No. 1,058,172; Apr. 8; Gaz. vol. 189; p. 311.
- Gage Company, The. (See Gage, Joseph J., assignor.)
- Gage, Edward E., assignor to Yankee Wizard Clock Company, New York, N. Y. Alarm mechanism for clocks. No. 1,082,077; Dec. 23; Gaz. vol. 197; p. 833.
- Gage Hat Works. (See Selcer, Abraham L., assignor.)
- Gage, John P., Vineland, N. J. Plane. No. 1,059,137; Apr. 15; Gaz. vol. 189; p. 683.
- Gage, Joseph J., assignor to The Gage Company, Dayton, Ohio. Means for protecting the seams of a boiler exposed directly to the fire. No. 1,059,962; Apr. 22; Gaz. vol. 189; p. 994.
- Gage, Will V., Primero, assignor of one-half to A. L. Dain, Trinidad, Colo. Emergency-pocket. No. 1,060,075; Apr. 29; Gaz. vol. 189; p. 1076.
- Gagné, Joseph O., Sherbrooke, Quebec, Canada. Steam-boiler. No. 1,062,451; May 20; Gaz. vol. 190; p. 717.
- Gagne, Wenceslas. (See Thibeault and Gagne.)
- Gagnon, Joseph E., *et al.* (See Hsley, Albert B., assignor.)
- Gagnon, Joseph E., and A. Kaufmann, Philadelphia, Pa. Type-case. No. 1,062,392; May 20; Gaz. vol. 190; p. 699.
- Gagnon, Peter, Shelton, assignor of one-half to B. J. Duffy, Seattle, Wash. Saw-jointer. No. 1,079,232; Nov. 18; Gaz. vol. 196; p. 750.
- Gagnon, William J., assignor to The Bryant Electric Company, Bridgeport, Conn. Bead-chain. No. 1,078,494; Nov. 11; Gaz. vol. 196; p. 463.
- Gagnon, William J., assignor to The Bryant Electric Company, Bridgeport, Conn. Electrical switch. No. 1,079,233; Nov. 18; Gaz. vol. 196; p. 750.
- Gahn, Frank, Streator, Ill. Engine-starter. No. 1,080,335; Dec. 2; Gaz. vol. 197; p. 146.
- Gail, Charles H., assignor to The Simmons Manufacturing Company, Kenosha, Wis. Couch fabric. No. 1,051,723; Jan. 28; Gaz. vol. 186; p. 921.
- Gail, John F., assignor to The Simmons Manufacturing Company, Kenosha, Wis. Couch-fabric machine. No. 1,051,724; Jan. 28; Gaz. vol. 186; p. 921.
- Gail, John F., assignor to The Simmons Manufacturing Company, Kenosha, Wis. Wire bed-bottom fabric. No. 1,065,935; July 1; Gaz. vol. 192; p. 10.
- Gailor, Chester F., Hartford, Conn. Rail-joint. No. 1,070,444; Aug. 19; Gaz. vol. 193; p. 537.
- Gailor, Chester F., Hartford, Conn. Rail-joint. No. 1,070,445; Aug. 19; Gaz. vol. 193; p. 538.
- Gailor, William H., Saratoga Springs, N. Y. Road-surfacing machine. No. 1,058,420; Apr. 8; Gaz. vol. 189; p. 398.
- Gainer, Edward E., Oklahoma, Okla., assignor to G. E. Llewellyn, Brooklyn, N. Y. Apparatus for the manufacture of plate-ice. No. 1,082,512; Dec. 30; Gaz. vol. 197; p. 1013.
- Gaines, Arthur E., and A. A. Erb, Denver, Colo. Ankle-joint for artificial feet. No. 1,069,409; Aug. 5; Gaz. vol. 193; p. 113.
- Gaines, Frederick F., Savannah, Ga. Combination buffer draft-arm and sill-reinforcement. No. 1,074,709; Oct. 7; Gaz. vol. 195; p. 43.
- Gaines, Henry W., Bowling Green, Ky. Clamp for wire fences. No. 1,073,228; Sept. 16; Gaz. vol. 194; p. 606.
- Gaines, John, assignor of one-half to C. Schneider, Giddings, Tex. Brake. No. 1,067,783; July 15; Gaz. vol. 192; p. 712.
- Gaines, Thomas H., Hopkinsville, Ky. Churn. No. 1,082,513; Dec. 30; Gaz. vol. 197; p. 1014.
- Gaines, Thomas R., Montreal, Quebec, Canada. Waistband for garments. No. 1,056,160; Mar. 18; Gaz. vol. 188; p. 578.
- Gaisman, Henry J., assignor to Auto Strop Company, New York, N. Y. Razor-blade. No. 1,060,245; Apr. 29; Gaz. vol. 189; p. 1134.
- Gaisman, Henry J., assignor to Auto Strop Company, New York, N. Y. Razor-strop scraper and surfer. No. 1,062,393; May 20; Gaz. vol. 190; p. 609.
- Gaither, Granville, Boston, Mass. Combination-faucet. No. 1,059,138; Apr. 15; Gaz. vol. 189; p. 683.
- Gaito, Nicholas, Bridgeport, Conn. Locking-hook for hats, coats, and umbrellas. No. 1,068,756; July 29; Gaz. vol. 192; p. 1118.
- Galaine, Constant F. M., Rennes, France. Open-exhaust silencer. No. 1,076,494; Oct. 21; Gaz. vol. 195; p. 712.
- Galbally, David B., New York, N. Y., assignor, by mesne assignments, to The Steel Package Company, Washington, D. C. Making metallic barrels. No. 1,054,105; Feb. 25; Gaz. vol. 187; p. 885.
- Galbally, David B., New York, N. Y., assignor, by mesne assignments, to The Steel Package Company, Washington, D. C. Metallic barrel. No. 1,054,106; Feb. 25; Gaz. vol. 187; p. 885.
- Galbraith, Andrew S., Baxter county, Ark. Flood-gate. No. 1,063,123; May 27; Gaz. vol. 190; p. 981.
- Galbraith, David G., assignor to N. L. Galbraith, Mineral Wells, Tex. Device for tying and untying packages. No. 1,054,107; Feb. 25; Gaz. vol. 187; p. 885.
- Galbraith, Henry L., Bozeman, Mont. Dirigible head-light. No. 1,058,421; Apr. 8; Gaz. vol. 189; p. 398.
- Galbraith, Nannie L. (See Galbraith, David G., assignor.)
- Galbraith, William J. (See Payne and Galbraith.)
- Galde, Robert, *et al.* (See Boivin, Joseph, assignor.)
- Gale, Ernest L., Sr., Yonkers, N. Y., assignor to Otis Elevator Company, Jersey City, N. J. Combined potential and overload switch. No. 1,058,296; Apr. 8; Gaz. vol. 189; p. 353.
- Gale, Ernest L., Sr., Yonkers, N. Y., assignor to Otis Elevator Company, Jersey City, N. J. Brake control for elevators. No. 1,060,836; May 6; Gaz. vol. 190; p. 94.
- Gale, Ernest L., Sr., Yonkers, N. Y., assignor to Otis Elevator Company, Jersey City, N. J. Motor-accelerating device. No. 1,064,205; June 10; Gaz. vol. 191; p. 390.
- Gale, Ernest L., Sr., Yonkers, N. Y., assignor to Otis Elevator Company, Jersey City, N. J. Antireverser for alternating-current circuits. No. 1,066,721; July 8; Gaz. vol. 192; p. 316.
- Gale, Ernest L., Sr., Yonkers, N. Y., assignor to Otis Elevator Company, Jersey City, N. J. Motor control. No. 1,069,060; July 29; Gaz. vol. 192; p. 1223.
- Gale, Ernest L., Sr., Yonkers, N. Y., assignor to Otis Elevator Company, Jersey City, N. J. Motor-controlling system. No. 1,069,061; July 29; Gaz. vol. 192; p. 1223.
- Gale, Henry P., Chicago, Ill. Fan or blower. No. 1,049,472; Jan. 7; Gaz. vol. 186; p. 51.
- Gale, Walter L., assignor to The Monarch Typewriter Company, Syracuse, N. Y. Type-writing machine. No. 1,060,592; May 6; Gaz. vol. 190; p. 10.
- Galindez, Ismael F., Buenos Aires, Argentina. Electrical gun-firing mechanism. No. 1,078,782; Nov. 18; Gaz. vol. 196; p. 596.
- Galivan, John B., San Bernardino, Cal. Ballast-spreader. No. 1,058,959; Apr. 15; Gaz. vol. 189; p. 621.
- Gall, Hermann, Berlin, Germany. Chain adding-machine. No. 1,071,410; Aug. 26; Gaz. vol. 193; p. 894.
- Gallagher, Bernard, Lynn, Mass. Machine for applying closures to bottles. No. 1,063,191; June 3; Gaz. vol. 191; p. 8.
- Gallagher, Demetrius A., York, Pa. Treating tobacco. No. 1,062,093; May 20; Gaz. vol. 190; p. 598.
- Gallagher, Edward, *et al.* (See Winkstern, Ernest, assignor.)
- Gallagher, Elizabeth A. M., New York, N. Y. Collapsible bath-tub. No. 1,072,446; Sept. 9; Gaz. vol. 194; p. 293.
- Gallagher, Elizabeth A. M., New York, N. Y. Bed-tub. No. 1,078,617; Nov. 18; Gaz. vol. 196; p. 536.
- Gallagher, Francis E., Newton, Mass., assignor to Standard Alcohol Company, New York, N. Y. Producing fermentable sugars. No. 1,056,161; Mar. 18; Gaz. vol. 188; p. 578.
- Gallagher, Francis E., Newton, and H. S. Mork, Boston, Mass., assignors to Standard Alcohol Company, New York, N. Y. Producing sugars from cellulose. No. 1,056,162; Mar. 18; Gaz. vol. 188; p. 578.
- Gallagher, Francis E., Newton, and H. S. Mork, Boston, Mass., assignors to Standard Alcohol Company, New York, N. Y. Producing fermentable sugars. No. 1,056,163; Mar. 18; Gaz. vol. 188; p. 578.
- Gallagher, Frederick S. (See Forsyth, Davidson, and Gallagher.)
- Gallagher, Frederick S., Cleveland, Ohio, assignor to Forsyth Brothers Company, Chicago, Ill. Draft and buffing mechanism for railway-cars. No. 1,070,446; Aug. 19; Gaz. vol. 193; p. 538.
- Gallagher, Henry. (See Orvis, Orel D., assignor.)
- Gallagher, Joseph D., Glen Ridge, assignor to American Brake Shoe & Foundry Company, Mahwah, N. J. Brake-shoe and reinforcing-back therefor. No. 1,070,447; Aug. 19; Gaz. vol. 193; p. 538.
- Gallagher, Joseph D., Glen Ridge, assignor to American Brake Shoe & Foundry Company, Mahwah, N. J. Brake-shoe and supporting means therefor. No. 1,079,001; Nov. 18; Gaz. vol. 196; p. 670.
- Gallagher, Joseph D., Glen Ridge, N. J., and H. Jones, Suffern, N. Y., assignors, by mesne assignments, to American Brake Shoe & Foundry Company, Mahwah, N. J. Composition-filled brake-shoe. No. 1,082,266; Dec. 23; Gaz. vol. 197; p. 898.
- Gallagher, William H., administrator. (See Morgan, John B.)
- Gallaher, Edward B., assignor to Clover Manufacturing Company, New York, N. Y. Motor-vehicle. No. 1,062,452; May 20; Gaz. vol. 190; p. 718.
- Gallaher, Frederick. (See Moon, Thomas E., assignor.)
- Gallaher, John J., Dysart, Pa. Railway-tie. No. 1,066,098; July 1; Gaz. vol. 192; p. 68.
- Gallaher, William, St. Louis, Mo. Heater for automobile-radiators. No. 1,072,595; Sept. 9; Gaz. vol. 194; p. 345.
- Galland, Edward R. (See Heins and Galland.)
- Gallaudet, Edson F., Norwich, Conn. System of aeroplane control. No. 1,058,422; Apr. 8; Gaz. vol. 189; p. 399.
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- Galleazzi, Joseph, San Francisco, Cal. Accordion. No. 1,050,270; Jan. 14; Gaz. vol. 186; p. 356.
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- Galleazzi, Joseph, San Francisco, Cal. Transposing mechanism for accordions and the like. No. 1,058,423; Apr. 8; Gaz. vol. 189; p. 399.
- Galleazzi, Joseph, San Francisco, Cal. Octave-coupler. No. 1,059,139; Apr. 15; Gaz. vol. 189; p. 683.
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- Galleazzi, Joseph, San Francisco, Cal. Octave-coupler for accordions. No. 1,075,207; Oct. 7; Gaz. vol. 195; p. 213.
- Gallenkamp, Wilhelm, Munich, Germany. Fire-extinguisher. No. 1,051,496; Jan. 28; Gaz. vol. 186; p. 845.
- Gallinant, Raphael C., Ridgefield Park, N. J. Safety appliance for railway-platforms. No. 1,050,937; Jan. 21; Gaz. vol. 186; p. 623.
- Galloway, Hope L., Kilmalcolm, assignor to Galloway, Weir & Gibson, Ltd., Glasgow, Scotland. Machine for barking railway-ties and the like. No. 1,075,776; Oct. 14; Gaz. vol. 195; p. 435.
- Galloway, Weir & Gibson. (See Galloway, Hope L., assignor.)
- Gallup, Ethel C., New York, N. Y. Railway-tie. No. 1,063,023; May 27; Gaz. vol. 190; p. 947.
- Gallup, Rockwell L., Chicago, Ill., assignor to National Bottlers Equipment Company. Bottle-washing machine. No. 1,076,277; Oct. 21; Gaz. vol. 195; p. 634.
- Gally, Robert A., assignor to The Baldwin Company, Cincinnati, Ohio. Piano autoplating connection. No. 1,055,394; Mar. 11; Gaz. vol. 188; p. 286.
- Gally, Robert A., assignor to The Baldwin Company, Cincinnati, Ohio. Musical-instrument bellows. No. 1,056,093; Mar. 18; Gaz. vol. 188; p. 554.
- Gally, Robert A., assignor to The Baldwin Company, Cincinnati, Ohio. Piano-playing-controlling device. No. 1,056,984; Mar. 25; Gaz. vol. 188; p. 889.
- Gally, Robert A., assignor to The Baldwin Company, Cincinnati, Ohio. Piano-playing pumping-pedals. No. 1,056,985; Mar. 25; Gaz. vol. 188; p. 890.
- Gally, Robert A., assignor to The Baldwin Company, Cincinnati, Ohio. Piano-playing expression device. No. 1,059,987; Apr. 29; Gaz. vol. 189; p. 1047.
- Gally, Robert A., assignor to The Baldwin Company, Cincinnati, Ohio. Musical-instrument roll part. No. 1,065,602; June 24; Gaz. vol. 191; p. 931.
- Galopin, Henri, Melbourne, Victoria, assignor to J. N. Matheson, Tyers, and W. M. Bruce, Traralgon, Australia. Tachometer. No. 1,057,140; Mar. 25; Gaz. vol. 188; p. 944.
- Galpin, Frederic, near Williamsfield, Ill. Saw-setting machine. No. 1,078,139; Nov. 11; Gaz. vol. 196; p. 340.
- Galt, William J., Jr. (See Cliff and Galt.)
- Galuska, John, Minneapolis, Minn. Car-truck. No. 1,057,818; Apr. 1; Gaz. vol. 189; p. 146.
- Galvin, Carroll D., Merchantville, N. J. Resilient wheel. No. 1,053,723; Feb. 18; Gaz. vol. 187; p. 721.
- Galvin, John W., Indiana Harbor, Ind. Heating-furnace. No. 1,057,338; Mar. 25; Gaz. vol. 188; p. 1009.
- Galvin, Thaddeus, and E. F. Dupart, assignors of one-half to said Galvin and one-half to C. C. Smith, Detroit, Mich. Valve mechanism. No. 1,058,960; Apr. 15; Gaz. vol. 189; p. 621.
- Gambarini, Fiorenzo, Chicago, Ill. Wheel-hub. No. 1,077,928; Nov. 4; Gaz. vol. 196; p. 236.
- Gamberecky, John, New York, N. Y. Feed-bag. No. 1,056,787; Mar. 25; Gaz. vol. 188; p. 822.
- Gambill, William F., and A. R. McCann, Datto, Ark. Mail-catcher. No. 1,063,966; June 10; Gaz. vol. 191; p. 307.
- Gamble, Blake E., Bowmansdale, Pa. Briquet and making the same. (Reissue.) No. 13,590; July 8; Gaz. vol. 192; p. 489.
- Gamble, Dorothy, New York, N. Y. Contracting-band for knickerbockers. No. 1,076,031; Oct. 21; Gaz. vol. 195; p. 552.
- Gamble, Frederick O., assignor to The Packard Company, Fort Wayne, Ind. Tension-regulator. No. 1,051,878; Feb. 4; Gaz. vol. 187; p. 10.
- Gamble, John, assignor to G. A. Reach, Philadelphia, Pa. Base-ball glove. No. 1,077,061; Oct. 28; Gaz. vol. 195; p. 965.
- Gamble, Joseph W. (See Alliger, Gamble, and Gibson.)
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- Gamble, Joseph W., Carpentersville, Ill. Lever adjustment for wheel-plows. No. 1,075,777; Oct. 14; Gaz. vol. 195; p. 435.
- Gamble, Joseph W., Carpentersville, Ill. Cultivator attachment. No. 1,079,938; Dec. 2; Gaz. vol. 197; p. 6.
- Gamble, Joseph W., assignor to Harrison Safety Boiler Works, Philadelphia, Pa. Valve. No. 1,050,938; Jan. 21; Gaz. vol. 186; p. 623.
- Gamble, Joseph W., assignor to Harrison Safety Boiler Works, Philadelphia, Pa. Measuring apparatus. No. 1,078,669; Nov. 18; Gaz. vol. 196; p. 553.
- Gamble, Joseph W., assignor to Harrison Safety Boiler Works, Philadelphia, Pa. Separator. No. 1,080,511; Dec. 2; Gaz. vol. 197; p. 206.
- Gamble, Joseph W., assignor to Harrison Safety Boiler Works, Philadelphia, Pa. Liquid-measuring apparatus. No. 1,080,547; Dec. 9; Gaz. vol. 197; p. 251.
- Gamble, Joseph W., assignor to J. S. L. Wharton, W. S. Hallowell, and J. C. Jones, Philadelphia, Pa. Water-heater. No. 1,050,209; Jan. 14; Gaz. vol. 186; p. 335.
- Gamble, Lloyd E., Alpha, Ill. Catch for screen-doors. No. 1,068,886; July 29; Gaz. vol. 192; p. 1165.
- Gamblee, Jenleas, Tenafly, N. J. Plumb-bob. No. 1,076,569; Oct. 21; Gaz. vol. 195; p. 739.
- Gamboni, Walter, Olema, Cal. Railway-car hose-coupling. No. 1,061,908; May 13; Gaz. vol. 190; p. 491.
- Gamewell Fire Alarm Telegraph Company, The. (See Cole, Frederick W., assignor.)
- Gamewell Fire-Alarm Telegraph Company, The. (See Suren, Nathan H., assignor.)
- Gammelgaard, Ove L., assignor to Electric Chain Company, Attleboro, Mass. Bracelet. No. 1,059,536; Apr. 22; Gaz. vol. 189; p. 856.
- Gammelgaard, Ove L., assignor to Electric Chain Company, Attleboro, Mass. Clasp. No. 1,080,336; Dec. 2; Gaz. vol. 197; p. 146.
- Gammelin, Adolph, Clark, S. D. Vehicle-check. No. 1,065,518; June 24; Gaz. vol. 191; p. 902.
- Gammeter, Harry C., Bratenahl, assignor to The American Multigraph Company, Cleveland, Ohio. Duplicating-machine. No. 1,050,638; Jan. 14; Gaz. vol. 186; p. 484.
- Gammeter, Harry C., Bratenahl, assignor to The American Multigraph Company, Cleveland, Ohio. Duplicating-machine. No. 1,051,377; Jan. 21; Gaz. vol. 186; p. 770.
- Gammeter, Harry C., Bratenahl, assignor to The American Multigraph Company, Cleveland, Ohio. Type-distributing implement. No. 1,051,725; Jan. 28; Gaz. vol. 186; p. 921.
- Gammeter, Harry C., Bratenahl, assignor to The American Multigraph Company, Cleveland, Ohio. Automatic paper-feed. No. 1,051,726; Jan. 28; Gaz. vol. 186; p. 922.
- Gammeter, Harry C., Bratenahl, assignor to The American Multigraph Company, Cleveland, Ohio. Addressing-machine. No. 1,052,235; Feb. 4; Gaz. vol. 187; p. 135.
- Gammeter, Harry C., Bratenahl, assignor to The American Multigraph Company, Cleveland, Ohio. Type-holder. No. 1,052,236; Feb. 4; Gaz. vol. 187; p. 136.
- Gammeter, Harry C., Bratenahl, assignor to The American Multigraph Company, Cleveland, Ohio. Feeding device for duplicating-machines. No. 1,052,332; Feb. 4; Gaz. vol. 187; p. 165.
- Gammeter, Harry C., Bratenahl, assignor to The American Multigraph Company, Cleveland, Ohio. Type-case. No. 1,052,333; Feb. 4; Gaz. vol. 187; p. 166.
- Gammeter, Harry C., Bratenahl, assignor to The American Multigraph Company, Cleveland, Ohio. Machine for feeding type. No. 1,075,029; Oct. 7; Gaz. vol. 195; p. 152.
- Gammeter, Harry C., assignor to The American Multigraph Company, Cleveland, Ohio. Duplicating-machine. No. 1,051,213; Jan. 21; Gaz. vol. 186; p. 715.
- Gammeter, Harry C., assignor to The American Multigraph Company, Cleveland, Ohio. Duplicating-machine. No. 1,052,909; Feb. 11; Gaz. vol. 187; p. 397.
- Gammeter, Harry C., assignor to The American Multigraph Company, Cleveland, Ohio. Duplicating-machine. No. 1,052,910; Feb. 11; Gaz. vol. 187; p. 397.
- Gammeter, Harry C., assignor to The American Multigraph Company, Cleveland, Ohio. Duplicating-machine. No. 1,053,091; Feb. 11; Gaz. vol. 187; p. 459.
- Gammeter, John R., Akron, Ohio. Fire-extinguisher. No. 1,057,538; Apr. 1; Gaz. vol. 189; p. 48.
- Gammeter, John R., Akron, Ohio. Aerostat. (Reissue.) No. 13,548; Apr. 1; Gaz. vol. 189; p. 216.
- Gammeter, John R., Akron, Ohio. Driving mechanism. No. 1,076,416; Oct. 21; Gaz. vol. 195; p. 685.
- Gammeter, John R., Akron, Ohio. Driving mechanism. No. 1,076,632; Oct. 21; Gaz. vol. 195; p. 762.
- Gammeter, John R., Akron, Ohio, assignor, by mesne assignments, to The B. F. Goodrich Company, New York, N. Y. Tire. No. 1,057,232; Mar. 25; Gaz. vol. 188; p. 976.
- Gammeter, John R., Akron, Ohio, assignor, by mesne assignments, to The B. F. Goodrich Company. Vulcanizing-press. No. 1,064,721; June 17; Gaz. vol. 191; p. 601.
- Gammons, Welcome P., Jr., New York, N. Y. Sewing-machine. No. 1,063,253; June 3; Gaz. vol. 191; p. 28.
- Gamon, Thomas, Philadelphia, Pa. Incinerator. No. 1,054,405; Feb. 25; Gaz. vol. 187; p. 989.
- Gamper, Otto, Zurich, Switzerland. Machine for facilitating the packing of magnetic objects of oblong shape. No. 1,080,435; Dec. 2; Gaz. vol. 197; p. 183.
- Gancher, Abraham I., New York, N. Y. Appliance for educational, amusement, and advertising purposes. No. 1,075,248; Oct. 7; Gaz. vol. 195; p. 227.

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- Gangler, Mathias. (See Gibbs and Gangler.)
- Gangloff, John, Crawfordsville, Ind. Adjustable support. No. 1,071,307; Aug. 26; Gaz. vol. 193; p. 860.
- Gangwer, Troy, *et al.* (See Weston, Roddy V., assignor.)
- Gann, David B. (See Watrous, Edward L., assignor.)
- Gannon, Prime E., Jerome, Ariz. Broiler. No. 1,083,206; Dec. 30; Gaz. vol. 197; p. 1247.
- Gannon, William P., Valeria, Iowa. Hay rake and loader. No. 1,063,675; June 3; Gaz. vol. 191; p. 176.
- Gans, Bertram J., assignor to Cameron and Company Incorporated, Napa, Cal. Button-sewing-machine attachment. No. 1,062,328; May 20; Gaz. vol. 190; p. 678.
- Gans, Robert, Pankow, near Berlin, assignor to J. D. Riedel Aktiengesellschaft, Berlin, Germany. Clarifying water and purifying it from germs. No. 1,082,315; Dec. 23; Gaz. vol. 197; p. 916.
- Gantke, Hugo, Berlin, Germany. Severing timber. No. 1,050,768; Jan. 14; Gaz. vol. 186; p. 526.
- Gantt, Henry L., Pawtucket, R. I. Piling mechanism for fabrics. No. 1,074,567; Sept. 30; Gaz. vol. 194; p. 1109.
- Gantt, Henry L., Pawtucket, R. I. Processing apparatus. No. 1,074,568; Sept. 30; Gaz. vol. 194; p. 1110.
- Ganz, Charles, Ridgefield Park, N. J. Means for smoothing the ends of fibrous rolls. No. 1,058,741; Apr. 15; Gaz. vol. 189; p. 544.
- Ganz, Charles, New York, N. Y., assignor to Treibacher Chemische Werke Gesellschaft mit beschränkter Haftung, Treibach, Austria-Hungary. Lighter. No. 1,073,229; Sept. 16; Gaz. vol. 194; p. 607.
- Ganzhorn, Philip, Chicago, Ill. Finger-guard for hoppers of meat-choppers. No. 1,066,722; July 8; Gaz. vol. 192; p. 317.
- Ganzhorn, Philip, Chicago, Ill. Finger-guard for meat-choppers. No. 1,066,723; July 8; Gaz. vol. 192; p. 317.
- Garbeil, Benjamin, Philadelphia, Pa. Top-lifter for jars, glasses, and cans. No. 1,053,092; Feb. 11; Gaz. vol. 187; p. 459.
- Garber, Amos R., Mount Joy, assignor of one-half to E. K. Post, Media, Pa. Switch throwing and locking mechanism. No. 1,079,120; Nov. 18; Gaz. vol. 196; p. 712.
- Garber, William O., South Richmond, Va. Automatic gas-valve. No. 1,058,046; Apr. 8; Gaz. vol. 189; p. 266.
- Garcelon, George H., Wilkinsburg, Pa., assignor to Westinghouse Electric and Manufacturing Company. Secondary member of induction-motors. No. 1,068,757; July 29; Gaz. vol. 192; p. 1118.
- Gard, John J., and E. G. Ruthrauff, Harvey, assignors to Buda Foundry & Manufacturing Company, Chicago, Ill. Motor-operated crossing-gate. No. 1,049,843; Jan. 7; Gaz. vol. 186; p. 179.
- Gard, Samuel E. (See Barker and Dietrich, assignors.)
- Gardemeyer, Asmus D., San Francisco, Cal. Sash-lock. No. 1,071,516; Aug. 26; Gaz. vol. 193; p. 928.
- Gardiner, Hubert, *et al.* (See Hall, William, assignor.)
- Gardiner, John H. A., Downers Grove, Ill. Incandescent-lamp lock. No. 1,073,113; Sept. 16; Gaz. vol. 194; p. 565.
- Gardner, Charles L., Peoria, Ill. Swinging conveyer. No. 1,052,579; Feb. 11; Gaz. vol. 187; p. 283.
- Gardner, Charles L., Sterling, Colo. Well-pipe clamp. No. 1,058,577; Apr. 8; Gaz. vol. 189; p. 450.
- Gardner, Clyde E. W., Orange, N. J., assignor, by mesne assignments, to Burroughs Adding Machine Company, Detroit, Mich. Recording mechanism. No. 1,052,811; Feb. 11; Gaz. vol. 187; p. 363.
- Gardner, Clyde E. W., assignor, by mesne assignments, to Burroughs Adding Machine Company, Detroit, Mich. Motor-stand for adding-machines. No. 1,080,548; Dec. 9; Gaz. vol. 197; p. 252.
- Gardner, Frederick D., St. Louis, Mo. Burial-casket. No. 1,053,907; Feb. 18; Gaz. vol. 187; p. 781.
- Gardner, George E. (See De Marais, Victor, assignor.)
- Gardner, George W., Chicago, Ill. Cleaner for engine-cylinders. No. 1,080,208; Dec. 2; Gaz. vol. 197; p. 101.
- Gardner, Harry L., Cranston, and W. L. Chase, East Providence, assignors to Taft Machine Company, Providence, R. I. Tag-holder. No. 1,053,724; Feb. 18; Gaz. vol. 187; p. 722.
- Gardner, Harry L., Cranston, and W. L. Chase, East Providence, assignors to Cuddy-Gardner Company, Providence, R. I. Rack for displaying rugs. No. 1,068,050; July 22; Gaz. vol. 192; p. 836.
- Gardner, Henry A., Washington, D. C. Paint-remover. No. 1,067,600; July 15; Gaz. vol. 192; p. 650.
- Gardner, Henry A., Washington, D. C. Finish-remover. No. 1,079,698; Nov. 25; Gaz. vol. 196; p. 940.
- Gardner, Henry C., assignor of one-third to C. L. Davison and one-third to F. M. McBryde, Nashville, Tenn. Smoke-consumer and fuel-economizer. No. 1,050,639; Jan. 14; Gaz. vol. 186; p. 484.
- Gardner, James A., Northshade, Mich. Brooder. No. 1,078,344; Nov. 11; Gaz. vol. 196; p. 412.
- Gardner, Joseph A., assignor of one-half to R. D. Goodwyn, Memphis, Tenn. Artificial tooth. No. 1,064,635; June 10; Gaz. vol. 191; p. 536.
- Gardner, Joseph B., North McAlester, Okla. Car-step. No. 1,072,325; Sept. 2; Gaz. vol. 194; p. 220.
- Gardner, Levi S., New Orleans, La. Explosive-engine. No. 1,072,596; Sept. 9; Gaz. vol. 194; p. 345.
- Gardner, Mary X., Cleveland, Ohio. Rotary brush. No. 1,059,858; Apr. 22; Gaz. vol. 189; p. 959.
- Gardner, Myron L., assignor to Erie Toe Calk Machine Company, Erie, Pa. Heel-calk-forming machine. No. 1,078,345; Nov. 11; Gaz. vol. 196; p. 412.
- Gardner, Omar N., Jamestown, N. Y. Loading and unloading apparatus. No. 1,051,994; Feb. 4; Gaz. vol. 187; p. 50.
- Gardner, Omar N., Jamestown, N. Y. Crane and derrick. No. 1,077,467; Nov. 4; Gaz. vol. 196; p. 80.
- Gardner, Peter L., St. Cloud, Minn. Wrench. No. 1,051,727; Jan. 28; Gaz. vol. 186; p. 922.
- Gardner, Robert, Toronto, Ontario, Canada. Apparatus for straightening flat or other goods before ironing. No. 1,064,069; June 10; Gaz. vol. 191; p. 342.
- Gardner, William H., Sutherland, Saskatchewan, Canada. Attachment for locomotive-inspirators. No. 1,081,301; Dec. 16; Gaz. vol. 197; p. 543.
- Gardner, William J., Lindsay, Cal. Agricultural traction implement. No. 1,059,140; Apr. 15; Gaz. vol. 189; p. 684.
- Gardy, Henry D., Philadelphia, Pa. Amusement apparatus. No. 1,062,702; May 27; Gaz. vol. 190; p. 842.
- Gare, Thomas, New Brighton, England. Machine for reducing vulcanized rubber to powder. No. 1,050,122; Jan. 14; Gaz. vol. 186; p. 306.
- Gareau, Aristide E., Montreal, Quebec, Canada. Medical-treatment apparatus. No. 1,068,234; July 22; Gaz. vol. 192; p. 899.
- Garfield, Isidor Z., New York, N. Y. Packaging powders. No. 1,066,266; July 1; Gaz. vol. 192; p. 130.
- Garfinkel, Mandel. (See Satin, Mosesson, and Garfinkel.)
- Garforth, William E. (See Chipperfield, Walter, assignor.)
- Garforth, William E. (See Chipperfield and Garforth.)
- Garland, Claude M., Chicago, Ill. Gas-generating apparatus. No. 1,082,117; Dec. 23; Gaz. vol. 197; p. 846.
- Garland, Claude M., Collingswood, assignor to Camden Iron Works, Camden, N. J. Gas-producer. No. 1,063,024; May 27; Gaz. vol. 190; p. 948.
- Garland, Claude M., Collingswood, assignor to Camden Iron Works, Camden, N. J. Gas-producer. No. 1,079,234; Nov. 18; Gaz. vol. 196; p. 750.
- Garland, Thomas H., Chicago, Ill. Combined ventilator and screen for windows. No. 1,052,812; Feb. 11; Gaz. vol. 187; p. 363.
- Garland, Thomas H., Chicago, Ill. Car-ventilating means. No. 1,064,312; June 10; Gaz. vol. 191; p. 425.
- Garland, Thomas H., Chicago, Ill. Ventilator. No. 1,071,729; Sept. 2; Gaz. vol. 194; p. 20.
- Garland, Thomas H., Chicago, Ill. Controlling mechanism for doors. No. 1,071,730; Sept. 2; Gaz. vol. 194; p. 20.
- Garlick, James D., Saginaw, Mich. Composition for rubbing and finishing varnished and other surfaces. No. 1,077,957; Nov. 4; Gaz. vol. 196; p. 246.
- Garlock, William H., Seattle, Wash. Boring-machine. No. 1,057,819; Apr. 1; Gaz. vol. 189; p. 146.
- Garlock, William H., Cleveland, Ohio. Window-sash lock. No. 1,064,313; June 10; Gaz. vol. 191; p. 426.
- Garlough, Alfred L., St. Paul, Minn. Harrow attachment for plows. No. 1,063,868; June 3; Gaz. vol. 191; p. 238.
- Garlough, Alfred L., St. Paul, Minn. Harrow. No. 1,078,915; Nov. 18; Gaz. vol. 196; p. 640.
- Garman, Harry B., assignor of one-half to R. Willson, Detroit, Mich. Saw-handle. No. 1,078,599; Nov. 11; Gaz. vol. 196; p. 498.
- Garmise, Adolph, assignor to Suspension Bed Spring Manufacturing Co., New York, N. Y. Spring for beds, couches, and the like. No. 1,070,678; Aug. 19; Gaz. vol. 193; p. 617.
- Garner, Daniel B., assignor of one-half to A. Welton, Sr., Vincennes, Ind. Wagon-brake. No. 1,050,014; Jan. 7; Gaz. vol. 186; p. 235.
- Garner, Edward, Quincy, Cal. Butterfly-mount. No. 1,065,040; June 17; Gaz. vol. 191; p. 704.
- Garner, James C. (See Diserens, Thomas H., assignor.)
- Garner, Lelon W., Charleston, S. C. Handsaw-oiler. No. 1,080,756; Dec. 9; Gaz. vol. 197; p. 323.
- Garnett, Herbert. (See Roush and Garnett.)
- Garnett, James L., St. Louis, Mo., assignor to E. A. Peterson, Appleton, Wis. Hydraulic latch. No. 1,077,062; Oct. 28; Gaz. vol. 195; p. 966.
- Garnett, Lemuel E., assignor of one-half to J. L. Barnes, Chanute, Kans. Device for operating semaphore-arms. No. 1,058,742; Apr. 15; Gaz. vol. 189; p. 544.
- Garnier, Ernest, Picquet, Paris, France. Non-refillable bottle. No. 1,071,152; Aug. 26; Gaz. vol. 193; p. 807.
- Garon, George E., Manchester, N. H. Dowel-cutting tool. No. 1,080,209; Dec. 2; Gaz. vol. 197; p. 102.
- Garraway, Lee O., Memphis, Tenn. Folding step-ladder. No. 1,054,108; Feb. 25; Gaz. vol. 187; p. 886.
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- Garretson, David I. (See Lorentzen, Hans K., assignor.)
- Garretson, David I., New York, N. Y. Combined automatic sender and telegraph-key. No. 1,059,988; Apr. 29; Gaz. vol. 189; p. 1047.
- Garrett, Dwight E., Delta, Iowa. Lock-nut. No. 1,067,649; July 15; Gaz. vol. 192; p. 667.
- Garrett, Edward S., Farmland, assignor of one-half to C. O. Fleming, Hartford City, Ind. Railway-crossing signal. No. 1,060,544; Apr. 29; Gaz. vol. 189; p. 1240.
- Garrett, Gloster J. and H. C., Richmond, Ind. Vehicle-wheel. No. 1,055,029; Mar. 4; Gaz. vol. 188; p. 128.
- Garrett, Gloster J. and H. C., Richmond, Ind. Vehicle-wheel. No. 1,072,597; Sept. 9; Gaz. vol. 194; p. 345.
- Garrett, Herbert C. (See Garrett, Gloster J. and H. C.)
- Garrett, Theodore F., London, assignor to C. Cary-Elwes, Eltham, England. Valved stopper for siphon and other bottles. No. 1,074,616; Oct. 7; Gaz. vol. 195; p. 10.
- Garrett, William J. (See Williams, William W., assignor.)
- Garretty, John F., Seattle, Wash. Apparatus for mixing and distributing concrete, &c. No. 1,075,350; Oct. 14; Gaz. vol. 195; p. 289.
- Garrison, Edward N., assignor to The Coc-Stapley Manufacturing Company, Bridgeport, Conn. Bicycle-pump. No. 1,058,961; Apr. 15; Gaz. vol. 189; p. 622.
- Garrison, Milburn H., Ocean City, N. J. Combined foot-warmer and muffler. No. 1,049,695; Jan. 7; Gaz. vol. 186; p. 129.
- Garrison, Robert L., Sullivan, Va. Mail-bag catcher and deliverer. No. 1,067,650; July 15; Gaz. vol. 192; p. 667.
- Garrity, Thomas J., Philadelphia, Pa. Ventilated hood. No. 1,071,223; Aug. 26; Gaz. vol. 193; p. 832.
- Garry, Robert S., Sumner, Ill. Stuffing-box. No. 1,051,879; Feb. 4; Gaz. vol. 187; p. 11.
- Garst, Julius. (See Johnson, Lawrence E., assignor.)
- Garst, Stephen H., Moline, Ill. Corn-planter tractor. No. 1,057,141; Mar. 25; Gaz. vol. 188; p. 945.
- Gärtner, Hermann, Lintorf, near Düsseldorf, Germany. Cutter-box for making the points of wire nails and the like. No. 1,062,394; May 20; Gaz. vol. 190; p. 700.
- Gartner, Walter. (See Ramacher, Jacob, assignor.)
- Gartside, John E., York, Pa. Printing-roll. No. 1,050,015; Jan. 7; Gaz. vol. 186; p. 236.
- Garver, James L., Wichita, Kans. Shaft-detacher for vehicles. No. 1,075,821; Oct. 14; Gaz. vol. 195; p. 450.
- Garvey, Christopher A. (See McCauley, Albert J., assignor.)
- Garvey, Frank A., Lynxville, Wis. Pump. No. 1,079,699; Nov. 25; Gaz. vol. 196; p. 940.
- Garvin, George W. (See Sprint, John W., assignor.)
- Garvin, George W., Rising Sun, Md. Land-marker. No. 1,057,050; Mar. 25; Gaz. vol. 188; p. 913.
- Gary, Jacob S. (See Sipes, Victor W., assignor.)
- Gas Machinery Company, The. (See Hamlink, Lazenby C., assignor.)
- Gasau, Otto, New York, N. Y. Wire mattress. No. 1,072,220; Sept. 2; Gaz. vol. 194; p. 187.
- Gaschke, George, Kearney, assignor to Straus & Straus, Newark, N. J. Finger-ring. No. 1,052,141; Feb. 4; Gaz. vol. 187; p. 103.
- Gasiorowski, Karl, Zurich, Switzerland. Device for sterilizing closet-seats and the like. No. 1,055,160; Mar. 4; Gaz. vol. 188; p. 169.
- Gaskill, Earl R., Post Falls, Idaho. Lock. No. 1,071,904; Sept. 2; Gaz. vol. 194; p. 81.
- Gaskill, Edwin A. and J. F., Laneville, W. Va. Spar-cap. No. 1,072,845; Sept. 9; Gaz. vol. 194; p. 432.
- Gaskill, Joseph F. (See Gaskill, Edwin A. and J. F.)
- Gasman, George A., and F. G. Murray, Chicago, Ill., assignors to The B. F. Cummins Company. Distributing-chute for mail-bags. No. 1,051,368; Jan. 21; Gaz. vol. 186; p. 767.
- Gasoline Safety Appliance Company, The. (See Clarke, Walter J., assignor.)
- Gáspár, Piroška, Bridgeport, Conn. Spring-heel for boots and shoes. No. 1,081,734; Dec. 16; Gaz. vol. 197; p. 686.
- Gasparich, Anton, West Oakland, Cal. Instrument for drafting irregular curves. No. 1,054,109; Feb. 25; Gaz. vol. 187; p. 886.
- Gasse, Joseph A., Brockton, Mass. Shade-roller appliance. No. 1,052,049; Feb. 4; Gaz. vol. 187; p. 71.
- Gasser, Sanford, Sherman, Mich. Screw-holder for door-knobs. No. 1,050,640; Jan. 14; Gaz. vol. 186; p. 484.
- Gasser, Sanford, Sherman, Mich. Rail-holder. No. 1,059,859; Apr. 22; Gaz. vol. 189; p. 959.
- Gasstrom, Herman, assignor to Dahl Manufacturing Company, New York, N. Y. Rule. No. 1,068,887; July 29; Gaz. vol. 192; p. 1165.
- Gast, August. (See Gottschalck, Werner, and Gast.)
- Gast, Bruno, Baumschulenweg, Berlin, Germany. Motor-cultivator. No. 1,051,836; Jan. 28; Gaz. vol. 186; p. 957.
- Gaston, George H., New York, N. Y., and P. Meyer, Newark, N. J. Scrubbing-machine. No. 1,057,539; Apr. 1; Gaz. vol. 189; p. 49.
- Gaston, James A., *et al.* (See Baker, Edward, assignor.)
- Gatchell, William H. (See West and Gatchell.)
- Gatermann, Wilhelm, Alsum, Germany. Spring-fork for bicycles and the like. No. 1,065,936; July 1; Gaz. vol. 192; p. 10.
- Gates, Albert J., Chicago, Ill. Valve for controlling compressed air. No. 1,077,697; Nov. 4; Gaz. vol. 196; p. 156.
- Gates, Amalia C., administratrix. (See Gates and Hobbs.)
- Gates, Clarence. (See Brooks and Gates.)
- Gates, Edward W., Roanoke, Va. Railway-tie and rail-fastener. No. 1,074,942; Oct. 7; Gaz. vol. 195; p. 120.
- Gates, Frederic P., Newington, assignor to The Union Manufacturing Company, New Britain, Conn. Chuck. No. 1,063,916; June 3; Gaz. vol. 191; p. 256.
- Gates, Frederic P., Newington, assignor to The Union Manufacturing Company, New Britain, Conn. Chuck. No. 1,063,917; June 3; Gaz. vol. 191; p. 256.
- Gates, George E., Comstock, Mich. Sales book or pad holding device. No. 1,053,725; Feb. 18; Gaz. vol. 187; p. 722.
- Gates, George W. (See Martel, Adelard F., assignor.)
- Gates, John W., deceased, and O. P. Hobbs, Los Angeles, Cal.; A. C. Gates, administratrix. Tandem-seat attachment. No. 1,082,227; Dec. 23; Gaz. vol. 197; p. 883.
- Gates, Joseph H. (See Hanan and Gates.)
- Gates, Laud C. (See Green and Gates.)
- Gates, Louis W. (See Gates, William, assignor.)
- Gates, William, New Haven, assignor of one-half to L. W. Gates, West Haven, Conn. Curtain-fastener. No. 1,071,996; Sept. 2; Gaz. vol. 194; p. 113.
- Gates, William N. (See Moffatt, Ansil, assignor.)
- Gatewood, William F., Pierce City, Mo., and J. D. McAdams, Alton, Ill. Calculating-machine. No. 1,080,907; Dec. 9; Gaz. vol. 197; p. 376.
- Gathmann, Emil, Baltimore, Md. Method of stripping ingots from their molds and apparatus therefor. No. 1,059,667; Apr. 22; Gaz. vol. 189; p. 898.
- Gathmann, Emil, Baltimore, Md. Stripping ingots from their molds. No. 1,059,668; Apr. 22; Gaz. vol. 189; p. 899.
- Gathmann, Emil, Baltimore, Md. Ingot. No. 1,061,467; May 13; Gaz. vol. 190; p. 345.
- Gathmann, Emil, Baltimore, Md. Cotton-picker. No. 1,083,079; Dec. 30; Gaz. vol. 197; p. 1210.
- Gathmann, Emil, Bethlehem, Pa., assignor to Gathmann Engineering Company, New York, N. Y. Manufacturing steel ingots. No. 1,049,573; Jan. 7; Gaz. vol. 186; p. 88.
- Gathmann, Emil, Baltimore, Md., assignor to Crucible Steel Company of America. Projectile. No. 1,074,111; Sept. 30; Gaz. vol. 194; p. 961.
- Gathmann Engineering Company. (See Gathmann, Emil, assignor.)
- Gathmann, Louis, Washington, D. C., assignor to Guanica Centrale, New York, N. Y. Producing sugar. No. 1,068,758; July 29; Gaz. vol. 192; p. 1118.
- Gathright, Thomas G., Meridian, Miss. Governor and pressure-regulator for steam-engines. No. 1,049,696; Jan. 7; Gaz. vol. 186; p. 129.
- Gatta, Ferdinando, Turin, Italy. Reversing mechanism. No. 1,077,519; Nov. 4; Gaz. vol. 196; p. 99.
- Gattermann, Ludwig, Freiburg, Breisgau, assignor to Farbenfabriken vorm. Friedr. Bayer & Co., Elberfeld, Germany. Selenocyanids of the anthraquinone series. No. 1,065,441; June 24; Gaz. vol. 191; p. 877.
- Gatteys, Elbert Q., Booneville, Miss. Burglar-alarm. No. 1,053,376; Feb. 18; Gaz. vol. 187; p. 601.
- Gattis & Co., E. (See Stringfellow, Robert L., assignor.)
- Gau, Joseph F., St. Paul, Minn. Razor-stropping device. No. 1,061,468; May 13; Gaz. vol. 190; p. 346.
- Gau, Joseph F., St. Paul, Minn. Razor-stropping device. No. 1,063,192; June 3; Gaz. vol. 191; p. 8.
- Gaubatz, Heinrich, Pirmasens, Germany. Leather-edge-polishing machine. No. 1,063,427; June 3; Gaz. vol. 191; p. 87.
- Gauch, Orlando S., assignor to The Shelby Printing Company, Shelby, Ohio. Carbon-holder. No. 1,054,761; Mar. 4; Gaz. vol. 188; p. 37.
- Gaudion, Emile, Marolles, France. Machine for the manufacture of buttons. No. 1,072,221; Sept. 2; Gaz. vol. 194; p. 187.
- Gaudron, Edward N., Newark, N. J., assignor to W. Dixon. Machine for making brushes. No. 1,072,326; Sept. 2; Gaz. vol. 194; p. 221.
- Gaughan, Thomas M., Earleton, Kans. Mail-box attachment. No. 1,069,246; Aug. 5; Gaz. vol. 193; p. 57.
- Gaul, Andrew, Jr. (See Hyde and Gaul.)
- Gaul, David, Los Angeles, Cal. Automobile street-cleaner. No. 1,072,713; Sept. 9; Gaz. vol. 194; p. 385.
- Gaul, James W., Fort Lauderdale, Fla. Nut-lock. No. 1,083,080; Dec. 30; Gaz. vol. 197; p. 1210.
- Gaul, Rufus A., Ephrata, Pa. Power ice-cutting machine. No. 1,063,527; June 3; Gaz. vol. 191; p. 120.
- Gaulke, William H., Milwaukee, Wis., assignor to Independent Electric Manufacturing Company. Alternating-current rheostat for polyphase circuits. No. 1,051,098; Jan. 21; Gaz. vol. 186; p. 679.

Alphabetical list of patentees—Continued.

Geissinger Regulator Company. (See Geissinger, Harry G., assignor.)
 Gelabert, William P., Fulton, Mo. Horse-collar. No. 1,078,140; Nov. 11; Gaz. vol. 196; p. 340.
 Geldner, Max, New Dorp, N. Y. Airship. No. 1,052,661; Feb. 11; Gaz. vol. 187; p. 311.
 Gellen, Gustave A., San Francisco, Cal. Amalgamator. No. 1,056,986; Mar. 25; Gaz. vol. 188; p. 890.
 Gellen, Gustave A., San Francisco, Cal. Stone muller for amalgamating-pans. No. 1,057,540; Apr. 1; Gaz. vol. 189; p. 49.
 Gell, John, Rochester, N. Y. Packing and shipping case. No. 1,051,572; Jan. 28; Gaz. vol. 186; p. 871.
 Gell, John, London, England. Telegraphic system. No. 1,074,170; Sept. 30; Gaz. vol. 194; p. 980.
 Gell, John, London, England. Receiver for automatic telegraphic systems. No. 1,074,171; Sept. 30; Gaz. vol. 194; p. 980.
 Gell, John, assignor to The Gell Telegraphic Appliances Syndicate, Ltd., London, England. Automatic transmitter for telegraphic systems. No. 1,075,315; Oct. 7; Gaz. vol. 195; p. 253.
 Gell Telegraphic Appliances Syndicate, The. (See Gell, John, assignor.)
 Gellen, Adalbert, Glinik Maryampolski, Galicia, Austria-Hungary. Apparatus for the recovery of acid used in refining oils. No. 1,063,025; May 27; Gaz. vol. 190; p. 948.
 Geller, Isaac, Portland, Oreg. Metallic bed. No. 1,056,273; Mar. 18; Gaz. vol. 188; p. 616.
 Gelléri, Soma, Budapest, Austria-Hungary, assignor of one-half to A. Hambloch, Andernach, Germany. Obtaining potash and cement clinker. No. 1,058,686; Apr. 8; Gaz. vol. 189; p. 487.
 Gelléri, Soma, Budapest, Austria-Hungary, assignor of one-half to A. Hambloch, Andernach, Germany. Recovering alkalis from silicate rocks. No. 1,078,495; Nov. 11; Gaz. vol. 196; p. 463.
 Gelléri, Soma, Budapest, Austria-Hungary, assignor of one-half to A. Hambloch, Andernach, Germany. Recovering alkalis from silicates. No. 1,078,496; Nov. 11; Gaz. vol. 196; p. 463.
 Gellness, Albert H., Suttons Bay, Mich. Fruit-picker. No. 1,052,238; Feb. 4; Gaz. vol. 187; p. 136.
 Gem Hammock and Fly Net Company. (See Erdman, William, assignor.)
 Gemmill, John A. (See Coyne, Alfred F., assignor.)
 Gendron Wheel Co. (See Nauts, Frank A., assignor.)
 Genebach, George J., assignor to United Steel and Wire Company, Battle Creek, Mich. Hand-rake. No. 1,066,400; July 1; Gaz. vol. 192; p. 173.
 General Acoustic Company. (See Andrick, Lowe, and Hoff, assignors.)
 General Acoustic Company. (See Burges, Percival G., assignor.)
 General Appliance Company. (See Sheafe, James S., assignor.)
 General Bakelite Company. (See Baekeland, Leo H., assignor.)
 General Chemical Company. (See Briggs and Merriam, assignors.)
 General Chemical Company. (See Eschellmann and Har-muth, assignors.)
 General Chemical Company. (See Messel, Rudolph, assignor.)
 General Chemical Company. (See Stout, Harry H., assignor.)
 General Dehydrator Company. (See Harris and Pollard, assignors.)
 General Dental Company Gebrüder Funke. (See Gross, Paul, assignor.)
 General Electric Company. (See Ahlquist, Karl, assignor.)
 General Electric Company. (See Alexanderson, Ernst F. W., assignor.)
 General Electric Company. (See Andrews, William S., assignor.)
 General Electric Company. (See Anthony, James S., assignor.)
 General Electric Company. (See Arsem, William C., assignor.)
 General Electric Company. (See Arthur, Walter, assignor.)
 General Electric Company. (See Ball, Henry P., assignor.)
 General Electric Company. (See Barbezat, Alfred, assignor.)
 General Electric Company. (See Barry, John C., assignor.)
 General Electric Company. (See Basch, David, assignor.)
 General Electric Company. (See Batchelder, Asa F., assignor.)
 General Electric Company. (See Batchelder, Charles C., assignor.)
 General Electric Company. (See Bentley, Fred W., assignor.)
 General Electric Company. (See Bralley, Walter S., assignor.)
 General Electric Company. (See Burnham, Joseph L., assignor.)

General Electric Company. (See Burrows, William R., assignor.)
 General Electric Company. (See Callan, John G., assignor.)
 General Electric Company. (See Carichoff, Eugene R., assignor.) (Reissue.)
 General Electric Company. (See Carroll, Morris B., assignor.)
 General Electric Company. (See Cartwright, William P., assignor.)
 General Electric Company. (See Case, Frank E., assignor.)
 General Electric Company. (See Chatain, Henri G., assignor.)
 General Electric Company. (See Clarke and Ross, assignors.)
 General Electric Company. (See Coffin, Francis P., assignor.)
 General Electric Company. (See Coolidge, William D., assignor.)
 General Electric Company. (See Cox, Edward, assignor.)
 General Electric Company. (See Craighead, James R., assignor.)
 General Electric Company. (See Creighton, Elmer E. F., assignor.)
 General Electric Company. (See Cubelic, Ludwig, assignor.)
 General Electric Company. (See Cubelic and Forner, assignors.)
 General Electric Company. (See Cubitt, Archibald S., assignor.)
 General Electric Company. (See Cunningham, Otto H., assignor.)
 General Electric Company. (See Dahlke, Oskar, assignor.)
 General Electric Company. (See Davis, Albert G., assignor.)
 General Electric Company. (See Dawson, William F., assignor.)
 General Electric Company. (See Day and Windeler, assignors.)
 General Electric Company. (See De Reamer, Frank C., assignor.)
 General Electric Company. (See Dempster, John T. H., assignor.)
 General Electric Company. (See Dickenson, William, assignor.)
 General Electric Company. (See Dodge, Austin R., assignor.)
 General Electric Company. (See Dolivo-Dobrowolsky, Michael, assignor.)
 General Electric Company. (See Dreher, Gustave F., assignor.)
 General Electric Company. (See Du Bois, Alexander D., assignor.)
 General Electric Company. (See Dunning, Parker, assignor.)
 General Electric Company. (See Dutton, Edgar F., assignor.)
 General Electric Company. (See Eagar, George T., assignor.)
 General Electric Company. (See Eagar and Williams, assignors.)
 General Electric Company. (See Eaton, John, assignor.)
 General Electric Company. (See Elmen, Gustav W., assignor.)
 General Electric Company. (See Emmet, William L. R., assignor.)
 General Electric Company. (See Ferguson, Samuel, assignor.)
 General Electric Company. (See Fleming and Halvorson, assignors.)
 General Electric Company. (See Forner, Georg, assignor.)
 General Electric Company. (See Foster, William J., assignor.)
 General Electric Company. (See Franklin, Milton W., assignor.)
 General Electric Company. (See Frost, William H., assignor.)
 General Electric Company. (See Fuller, Carl T., assignor.)
 General Electric Company. (See Fuller, Truman S., assignor.)
 General Electric Company. (See Gilson, Emery G., assignor.)
 General Electric Company. (See Green, Frank C., assignor.)
 General Electric Company. (See Greiner, Otto, assignor.)
 General Electric Company. (See Guay, Emile J., assignor.)
 General Electric Company. (See Hall, John L., assignor.)
 General Electric Company. (See Hall, Walter A., assignor.)
 General Electric Company. (See Halvorson, Cromwell A. B., Jr., assignor.)
 General Electric Company. (See Hansen, Charles A., assignor.)
 General Electric Company. (See Haskins, Caryl D., assignor.)

Alphabetical list of patentees—Continued.

- General Electric Company. (See Hawkins, Laurence A., assignor.)
- General Electric Company. (See Hayden, Joseph L. R., assignor.)
- General Electric Company. (See Hewlett, Edward M., assignor.)
- General Electric Company. (See Hewlett and Badeau, assignors.)
- General Electric Company. (See Heyder, Richard, assignor.)
- General Electric Company. (See Howell, John W., assignor.)
- General Electric Company. (See Hunt, Louis J., assignor.) (Reissue.)
- General Electric Company. (See Jackson, Alexander M., assignor.)
- General Electric Company. (See Jackson, Corwell, assignor.)
- General Electric Company. (See Jacobs, Ernest H., assignor.)
- General Electric Company. (See Johannesen, Svend E., assignor.)
- General Electric Company. (See Junggren, Oscar, assignor.)
- General Electric Company. (See Keller, Huldreich, assignor.)
- General Electric Company. (See Kieser, Walter, assignor.)
- General Electric Company. (See Klein, Simon, assignor.)
- General Electric Company. (See Knight, Charles D., assignor.)
- General Electric Company. (See Krämer, Bernhard, assignor.)
- General Electric Company. (See Krämer, Christian, assignor.)
- General Electric Company. (See Krueger, Carl R., assignor.)
- General Electric Company. (See Kruh, Osiat O., assignor.)
- General Electric Company. (See Küch, Richard, assignor.)
- General Electric Company. (See Laycock, Harry A., assignor.)
- General Electric Company. (See Lemp, Hermann, assignor.)
- General Electric Company. (See Libby, Sam H., assignor.)
- General Electric Company. (See Linke and Dreyfus, assignors.)
- General Electric Company. (See Lloyd, Robert M., assignor.)
- General Electric Company. (See Loewenstein, Louis C., assignor.)
- General Electric Company. (See Lumley, Wilfrid, assignor.)
- General Electric Company. (See Lyle, Fred W., assignor.)
- General Electric Company. (See Macloskie, George, assignor.)
- General Electric Company. (See Mapelsden, Harold H., assignor.)
- General Electric Company. (See Markau, Karl, assignor.)
- General Electric Company. (See McLain, Robert H., assignor.)
- General Electric Company. (See Merrill, Wilbur L., assignor.)
- General Electric Company. (See Merritt, Matthew M., assignor.)
- General Electric Company. (See Miller, John, assignor.)
- General Electric Company. (See Moody, Walter S., assignor.)
- General Electric Company. (See Moore, Chester N., assignor.)
- General Electric Company. (See Moore, Daniel M., assignor.)
- General Electric Company. (See Mortier, Paul, assignor.)
- General Electric Company. (See Moss, Sanford A., assignor.) (Reissue.)
- General Electric Company. (See Motter and Kochendorfer, assignors.)
- General Electric Company. (See Müller, Paul, assignor.)
- General Electric Company. (See Murphy and Brobst, assignors.)
- General Electric Company. (See Naumann, Wilhelm, assignor.)
- General Electric Company. (See Nehlsen, Hermann, assignor.)
- General Electric Company. (See Norton, Fred E., assignor.)
- General Electric Company. (See Orr, John, assignor.)
- General Electric Company. (See Owen, Harry L., assignor.)
- General Electric Company. (See Pacz, Aladár, assignor.)
- General Electric Company. (See Pape, Wilhelm, assignor.)
- General Electric Company. (See Pauly, Karl A., assignor.)
- General Electric Company. (See Pearson, Millard M., assignor.)
- General Electric Company. (See Peek, Frank W., Jr., assignor.)
- General Electric Company. (See Perkins, Harry F., assignor.)
- General Electric Company. (See Petermöller, Franz J., assignor.)
- General Electric Company. (See Pfeffer, Maximilian, assignor.)
- General Electric Company. (See Pirani and Pohl, assignors.)
- General Electric Company. (See Poag and Kirk, assignors.)
- General Electric Company. (See Porter, Willard E., assignor.)
- General Electric Company. (See Pratt, William H., assignor.)
- General Electric Company. (See Rice, Edwin W., Jr., assignor.)
- General Electric Company. (See Rice, Richard H., assignor.)
- General Electric Company. (See Rice, Walter F., assignor.)
- General Electric Company. (See Robinson and Holz, assignors.)
- General Electric Company. (See Rogers, Robert H., assignor.)
- General Electric Company. (See Ryan, Harris J., assignor.)
- General Electric Company. (See Samuelson, Frederick, assignor.)
- General Electric Company. (See Sanders, Lewis, assignor.)
- General Electric Company. (See Sargent, Howard R., assignor.)
- General Electric Company. (See Schmidt, Karl, assignor.)
- General Electric Company. (See Schultheiss, Franz, assignor.)
- General Electric Company. (See Shaw and Naul, assignors.)
- General Electric Company. (See Sheldon, Lucian A., assignor.)
- General Electric Company. (See Siebert, Werner, assignor.)
- General Electric Company. (See Siegel and Goldstein, assignors.)
- General Electric Company. (See Stanley, Arthur M., assignor.)
- General Electric Company. (See Stanley, William, assignor.)
- General Electric Company. (See Stanley and Smith, assignors.)
- General Electric Company. (See Steinbecker, Karl, assignor.)
- General Electric Company. (See Steinmetz, Charles P., assignor.)
- General Electric Company. (See Stone, Fred L., assignor.)
- General Electric Company. (See Stumpf and Schroeder, assignors.)
- General Electric Company. (See Thomson, Elihu, assignor.)
- General Electric Company. (See Thomson, Malcolm, assignor.)
- General Electric Company. (See Tirrill, Leonard A., assignor.)
- General Electric Company. (See Tornberg, Knut, assignor.)
- General Electric Company. (See Treitel, Heinrich, assignor.)
- General Electric Company. (See Tröger, Richard, assignor.)
- General Electric Company. (See Uberlée, Erich, assignor.)
- General Electric Company. (See Ver Planck, William E., assignor.)
- General Electric Company. (See Vogel, Frederick M., assignor.)
- General Electric Company. (See Wagner, Paul, assignor.)
- General Electric Company. (See Wedmore and Hamlyn, assignors.)
- General Electric Company. (See Weintraub, Ezechiel, assignor.)
- General Electric Company. (See Weintraub and Rush, assignors.)
- General Electric Company. (See Welsch, Wilhelm, assignor.)
- General Electric Company. (See Whiting, Max A., assignor.)
- General Electric Company. (See Whitney, Eddy E., assignor.)
- General Electric Company. (See Whitney, Willis R., assignor.)
- General Electric Company. (See Wilkinson, James, assignor.)
- General Electric Company. (See Winkler, Otto, assignor.)
- General Electric Company. (See Winter and Eichberg, assignors.)
- General Electric Company. (See Wood, James J., assignor.)

Alphabetical list of patentees—Continued.

- General Electric Company. (See Wright, Gilbert, assignor.)
- General Electric Company. (See Wright and Ball, assignors.)
- General Electric Company. (See Yates, William C., assignor.)
- General Electric Company. (See Zimmerman, Clarence I., assignor.)
- General Electric Company. (See Zweigbergk, Thorsten von, assignor.)
- General Engineering and Construction Company. (See Hulfish, Herdman, and Lorimer, assignors.)
- General Fire Extinguisher Company. (See Hammond, Wilberforce B., assignor.)
- General Fire Extinguisher Company. (See Loepsinger, Albert J., assignor.)
- General Fire Extinguisher Company. (See Swan, John P., assignor.)
- General Fireproofing Company. (See Schaffert, Adolph H., assignor.)
- General Fireproofing Company, The. (See White, Herbert E., assignor.)
- General Gas Light Company. (See Humphrey, Alfred H., assignor.)
- General Gas Light Company. (See Humphrey, Frederick J. and H. R., assignors.)
- General Manifold and Printing Company, The. (See Lewis, Edward Z., assignor.)
- General Manufacturing and Investment Co. (See Glenn, Grover C., assignor.)
- General Patents Company, The. (See Bradner, Harry W., assignor.)
- General Railway Equipment Company. (See Gill, Edwin R., assignor.)
- General Railway Equipment Company. (See Kleinschmidt, Edward E., assignor.)
- General Railway Equipment Company, The. (See Rhoads, Charles S., Jr., assignor.)
- General Railway Equipment Company, The. (See Rugh, Harry O., assignor.)
- General Railway Signal Company. (See Dodgson, Frank L., assignor.)
- General Railway Signal Company. (See Geer and Leake, assignors.)
- General Railway Signal Company. (See Hall, Frederick N., assignor.)
- General Railway Signal Company. (See Howe, Winthrop K., assignor.)
- General Railway Signal Company. (See Leake, Richard C., assignor.)
- General Railway Signal Company. (See Rekers, Gerret, assignor.)
- General Railway Supply Company, The. (See Morton, Harry U., assignor.)
- General Refrigerating Company. (See Cooper, William, assignor.)
- General Rim Company. (See Ashley and Oberkirch, assignors.)
- General Specialty Company. (See Gregg, Robert E., assignor.)
- General Supplies Company. (See Chadwick, Leonard B., assignor.)
- Genesee Valley Manufacturing Company. (See Wheeler, Frank, assignor.)
- Genesys, Baptiste J., Reno, Nev. Phonograph brake and stop. No. 1,061,282; May 13; Gaz. vol. 190; p. 281.
- Genossenschaft für Textilpatente. (See Imbach, August, assignor.)
- Genovese, Rosario, Brewster, N. Y. Shaving-mug. No. 1,049,353; Jan. 7; Gaz. vol. 186; p. 12.
- Genovese, Rosario, assignor of one-fourth to H. Silverman, one-fourth to M. Steinberg, and one-fourth to P. Tascano, New York, N. Y. Vending-machine. No. 1,071,732; Sept. 2; Gaz. vol. 194; p. 21.
- Gent, Albert S. (See Ward and Gent.)
- Genthner, Charles M., assignor to Wincroft Stove Works, Middletown, Pa. Stove-support. No. 1,051,099; Jan. 21; Gaz. vol. 186; p. 679.
- Genthner, Charles M., assignor to Wincroft Stove Works, Middletown, Pa. Range. No. 1,054,193; Feb. 25; Gaz. vol. 187; p. 916.
- Genthner, Charles M., assignor to Wincroft Stove Works, Middletown, Pa. Range. No. 1,059,047; Apr. 15; Gaz. vol. 189; p. 651.
- Genthner, Charles M., assignor to Wincroft Stove Works, Middletown, Pa. Cooking-stove. No. 1,060,335; Apr. 29; Gaz. vol. 189; p. 1167.
- Genthner, Charles M., assignor to Culter & Proctor Stove Co., Peoria, Ill. Cook stove or range. No. 1,052,239; Feb. 4; Gaz. vol. 187; p. 136.
- Gentil, Anton, Aschaffenburg, Germany. Centrifugal pump. No. 1,077,520; Nov. 4; Gaz. vol. 196; p. 99.
- Gentile, Pasquale, Niles, and A. Del Giudice, Youngstown, Ohio. Air-brake-tube connection. No. 1,070,885; Aug. 19; Gaz. vol. 193; p. 684.
- Gentle, William M., Greenwood, Ind. Carbureter. No. 1,060,545; Apr. 29; Gaz. vol. 189; p. 1240.
- Gentry, Alva, *et al.* (See Lincoln, Charles B. F., assignor.)
- Gentry, Edwin, *et al.* (See Anderson, Jesse C., assignor.)
- Gentry, John H., Greentown, Ind. Valve-gear. No. 1,075,778; Oct. 14; Gaz. vol. 195; p. 436.
- Gentzel, Gustav H., assignor to John Mehl & Company, Jersey City, N. J. Hand-bag and similar article. No. 1,055,898; Mar. 11; Gaz. vol. 188; p. 454.
- Gentzel, Harry A., New Brighton, Pa. Electric rat-extermi-nator. No. 1,072,222; Sept. 2; Gaz. vol. 194; p. 188.
- Gentzen, Ludwig, Mülheim-on-the-Rhine, Germany. Combustion-engine of the injection type. No. 1,054,641; Feb. 25; Gaz. vol. 187; p. 1068.
- Gentzen, Ludwig, Mülheim-on-the-Rhine, Germany. Internal-combustion engine. No. 1,066,401; July 1; Gaz. vol. 192; p. 173.
- Geo. Borgfeldt & Co. (See Phillips, Thomas W. S., assignor.)
- Geo. Stiefel Co. (See Stiefel, George, assignor.)
- Geoffroy, Ernest A., Newark, N. J. Tool-holding attachment. No. 1,050,447; Jan. 14; Gaz. vol. 186; p. 419.
- Geoffroy, Antoine de, Paris, France. Fluid-pressure motor. No. 1,057,233; Mar. 25; Gaz. vol. 188; p. 976.
- Geoghegan, Edward A., Erie, Pa. Apparatus for super-heating steam. No. 1,072,598; Sept. 9; Gaz. vol. 194; p. 346.
- George, Maria. (See Mangold, Michael, assignor.)
- George, Charles D. (See Dragan, George, and Palmerio.)
- George Cutter Company. (See Dunklin, Gilbert T., assignor.)
- George D. Barnard & Co. (See Dawson, James C., assignor.)
- George D. Whitcomb Co. (See Whitcomb, William C., assignor.)
- George, Gilbert D., St. Paul, Minn. Eye-protector. No. 1,070,334; Aug. 12; Gaz. vol. 193; p. 458.
- George, Gilbert D., St. Paul, Minn. Eye-protector. No. 1,070,335; Aug. 12; Gaz. vol. 193; p. 458.
- George H. Frothingham Co. (See Goss, Harry T., assignor.)
- George, Henry C., Philadelphia, Pa., assignor, by mesne assignments, to International Window Manufacturing Company, Dover, Del. Window-sash. No. 1,054,685; Mar. 4; Gaz. vol. 188; p. 11.
- George, James A., Blythesdale, Pa. Curtain-pole. No. 1,071,224; Aug. 26; Gaz. vol. 193; p. 833.
- George, James B., and O. Stelzig, Hamlin, Tex. Stalk-chopping device. No. 1,052,240; Feb. 4; Gaz. vol. 187; p. 137.
- George, Jerome R., assignor to Morgan Construction Company, Worcester, Mass. Shearing-machine. No. 1,049,846; Jan. 7; Gaz. vol. 186; p. 180.
- George, John F., assignor to C. Howard Hunt Pen Company, Camden, N. J. Pen-making machine. No. 1,081,230; Dec. 9; Gaz. vol. 197; p. 481.
- George M. Griswold Machine Company, The. (See Cooke, Clayton G., assignor.)
- George, Marion N., Irondale, Ala. Mail-bag receiving and delivering apparatus. No. 1,052,241; Feb. 4; Gaz. vol. 187; p. 138.
- George Oldham & Son Company. (See Oldham, Samuel, assignor.)
- George, Richard F. (See Hall and George.)
- George, Samuel G., Conrad, assignor to George Separator Company, Great Falls, Mont. Threshing-machine. No. 1,082,191; Dec. 23; Gaz. vol. 197; p. 870.
- George Separator Company. (See George, Samuel G., assignor.)
- George & Sherrard Paper Co. (See Sherrard, Thomas J., assignor.)
- Georgelin, Frank, New York, N. Y. Cuspidor. No. 1,056,659; Mar. 18; Gaz. vol. 188; p. 748.
- Georges, Henri, St.-Dizier, A. Valentin, and J. Zerrelss, Puteaux, France. Apparatus for wiping intaglio printing-plates. No. 1,082,586; Dec. 30; Gaz. vol. 197; p. 1041.
- Georgi, Friedrich P., Niederpfannenstiel, near Aue, Germany. Armor-plate for treasuries, safes, and the like. No. 1,052,718; Feb. 11; Gaz. vol. 187; p. 329.
- Gera, Janos, Baltimore, Md. Life-saving suit. No. 1,051,573; Jan. 28; Gaz. vol. 186; p. 872.
- Geraerds, Gerard H., New York, N. Y. Fireproof partition. No. 1,075,910; Oct. 14; Gaz. vol. 195; p. 482.
- Geraerds, William, and C. R. Ballner, New York, N. Y. Fireproof wall. No. 1,078,273; Nov. 11; Gaz. vol. 196; p. 386.
- Geraghty, John P., and G. W. Naylor, Jersey City, N. J. assignors of forty-five one-hundredths to E. C. Curry and C. A. Stoneham, New York, N. Y. Car-fender. No. 1,059,861; Apr. 22; Gaz. vol. 189; p. 960.
- Gérard, John, New Britain, Conn. Door check and closer. No. 1,076,205; Oct. 21; Gaz. vol. 195; p. 609.
- Gerard, Joseph R., Parsons, Kans. Vehicle-wheel. No. 1,078,916; Nov. 18; Gaz. vol. 196; p. 640.
- Gerard, Roy H., Berkeley, Cal. Variable-speed gearing. No. 1,079,852; Nov. 25; Gaz. vol. 196; p. 995.
- Gerardin, Adrian, and C. Sauvé, Pembina, N. D. Sliding boat-seat. No. 1,058,855; Apr. 15; Gaz. vol. 189; p. 584.
- Geraty, George C., Chicago, Ill. Filing-cabinet. No. 1,073,037; Sept. 9; Gaz. vol. 194; p. 501.
- Gerber, Arthur U., Chicago, Ill. Telephone-signal. No. 1,061,238; May 6; Gaz. vol. 190; p. 232.

Alphabetical list of patentees—Continued.

- Gerber, Dwight, Bellevue, assignor of one-half to W. W. Keefer, Pittsburgh, Pa. Automobile-truck. No. 1,075,779; Oct. 14; Gaz. vol. 195; p. 436.
- Gerber, John G., Rochester, N. Y. Welt for footwear. No. 1,078,043; Nov. 11; Gaz. vol. 196; p. 307.
- Gerdau, Barthold, Dusseldorf, Germany. Apparatus for compressing liquid metal. No. 1,050,448; Jan. 14; Gaz. vol. 186; p. 419.
- Gerdau, Barthold, Dusseldorf, Germany. Hydraulic press. No. 1,054,194; Feb. 25; Gaz. vol. 187; p. 916.
- Gerdeman, Frank H. (See Brown and Gerdeman.)
- Gerdien, Hans, Halensee, near Berlin, and R. Holm, Charlottenburg, assignors to Siemens & Halske A. G., Berlin, Germany. Apparatus for measuring the velocity and inclination of the wind. No. 1,077,521; Nov. 4; Gaz. vol. 196; p. 99.
- Gerding, Frederick W., Glandorf, Ohio. Boring-machine. No. 1,074,112; Sept. 30; Gaz. vol. 194; p. 961.
- Gerdon, Gregory, Watervliet, N. Y., assignor to Ordnance Improvement Company. Obturator. No. 1,062,646; May 27; Gaz. vol. 190; p. 825.
- Gerhard, Elmer S., assignor of one-half to J. H. Evans, Philadelphia, Pa. Photographic plate and paper developing machine. No. 1,061,667; May 13; Gaz. vol. 190; p. 416.
- Gerhard, Karl F., Hatton, Wash. Soil-treating apparatus. No. 1,059,141; Apr. 15; Gaz. vol. 189; p. 684.
- Gerhardt, Paul, Chicago, Ill. Metal door and window frame construction. No. 1,068,645; July 29; Gaz. vol. 192; p. 1079.
- Gerhart, Charles W., Mount Holly Springs, Pa. Lever mechanism for gear-shifting. No. 1,076,206; Oct. 21; Gaz. vol. 195; p. 610.
- Gerhold, Alfred, Haggerston, London, England. Brush. No. 1,071,614; Aug. 26; Gaz. vol. 193; p. 962.
- Gerleit, August, New York, N. Y. Vehicle-wheel. No. 1,066,267; July 1; Gaz. vol. 192; p. 130.
- Gerlinger, Carl F., Dallas, Oreg. Bunk and locking-block for logging-cars. No. 1,071,997; Sept. 2; Gaz. vol. 194; p. 113.
- German, Albert, Steelton, Pa. Oil-burner. No. 1,064,314; June 10; Gaz. vol. 191; p. 426.
- German American Button Company. (See Hastings, Herbert, assignor.)
- German American Car Company, The. (See Epstein, Max, assignor.)
- German, Andrew, Sumner, Wash. Non-refillable bottle. No. 1,075,030; Oct. 7; Gaz. vol. 195; p. 152.
- German, John, Richland Center, Wis. Lifter and conveyer for invalid-beds. No. 1,051,728; Jan. 28; Gaz. vol. 186; p. 922.
- German, John P., Springfield, Mass. Belt-tightener. No. 1,081,286; Dec. 9; Gaz. vol. 197; p. 501.
- German, John P., and A. O. Pool, Springfield, Mass. Suspension-support for electric lamps. No. 1,068,998; July 29; Gaz. vol. 192; p. 1202.
- Gernsback, Hugo, New York, N. Y. Luminous electric mirror. No. 1,057,820; Apr. 1; Gaz. vol. 189; p. 146.
- Gero, John F., Newark, Ohio. Securing throat-braces. No. 1,080,686; Dec. 9; Gaz. vol. 197; p. 297.
- Geroux, John, *et al.* (See Brochu, Alfred, assignor.)
- Gersitz, Julius, Downer, N. J., assignor of one-half to S. Folkman, Philadelphia, Pa. Vehicle-tire. No. 1,066,808; July 8; Gaz. vol. 192; p. 345.
- Gerst, John, Alton, Iowa. Attachment for gates. No. 1,057,955; Apr. 1; Gaz. vol. 189; p. 190.
- Gerstmayr, Anton. (See Siebert and Gerstmayr.)
- Gerth, William E., assignor of one-fourth to J. G. Giometti, Chicago, Ill. Non-skidding device for wheels. No. 1,067,913; July 22; Gaz. vol. 192; p. 789.
- Gertz, Richard W., Boston, Mass. Controlling device for automatic musical instruments. No. 1,058,963; Apr. 15; Gaz. vol. 189; p. 622.
- Gervais, Wainwright B. (See Burch and Gervais.)
- Gerwig, Louis C. (See Stirnkorb, Eugene, assignor.)
- Gesbeck, Charles H., and J. Semmerling, Chicago, Ill. Spirit-level. No. 1,062,964; May 27; Gaz. vol. 190; p. 929.
- Geschickter, Leo, assignor to The Infallible Moth and Dust Proof Receptacle Company, Washington, D. C. Collapsible wardrobe, chest, &c. No. 1,082,857; Dec. 30; Gaz. vol. 197; p. 1135.
- Geschickter, Leo, assignor to The Infallible Moth and Dust Proof Receptacle Company, Washington, D. C. Mothproof bag and garment-supporting device therefor. No. 1,082,858; Dec. 30; Gaz. vol. 197; p. 1136.
- Geschickter, Leo, assignor to The Infallible Moth and Dust Proof Receptacle Company, Washington, D. C. Side-opening mothproof bag. No. 1,082,859; Dec. 30; Gaz. vol. 197; p. 1136.
- Geschickter, Leo, assignor to The Infallible Moth and Dust Proof Receptacle Company, Washington, D. C. Garment-hanger for mothproof bags, &c. No. 1,082,860; Dec. 30; Gaz. vol. 197; p. 1136.
- Geschickter, Leo, assignor to The Infallible Moth and Dust Proof Receptacle Company, Washington, D. C. End-opening mothproof bag. No. 1,082,861; Dec. 30; Gaz. vol. 197; p. 1137.
- Geschickter, Leo, assignor to The Infallible Moth and Dust Proof Receptacle Company, Washington, D. C. Mothproof rug-bag. No. 1,082,862; Dec. 30; Gaz. vol. 197; p. 1137.
- Geschickter, Leo, assignor to The Infallible Moth and Dust Proof Receptacle Company, Washington, D. C. Mothproof rug-receptacle. No. 1,082,863; Dec. 30; Gaz. vol. 197; p. 1137.
- Gesellschaft für Drahtlose Telegraphie m. b. H. (See Arco, Georg von, assignor.)
- Gesellschaft für Drahtlose Telegraphie m. b. H. (See Meissner, Alexander, assignor.)
- Gesellschaft für drahtlose Telegraphie m. b. H. (See Schloemilch and Pichon, assignors.)
- Gesellschaft für Drahtlose Telegraphie, m. b. H. (See Wasmus, Adolf, assignor.)
- Gesellschaft für Electro-Osmose m. b. H. (See Schwerin, Botho, assignor.)
- Gesellschaft für Patentverwertung m. b. H. (See Oertel, Karl, assignor.)
- Gesellschaft zur Verwertung von Feuerwaffen-Patenten m. b. H. (See Knötgen, Mathias, assignor.)
- Geske, William H., and C. Evans, Page, N. D. Potato-cutter. No. 1,083,081; Dec. 30; Gaz. vol. 197; p. 1211.
- Gesking, Frederick A., assignor of one-half to R. Kromer, Chicago, Ill. Music-leaf turner. No. 1,057,418; Apr. 1; Gaz. vol. 189; p. 10.
- Gesner, Louis B., Downers Grove, Ill. Rotary engine. No. 1,058,424; Apr. 8; Gaz. vol. 189; p. 400.
- Gessler, Albert E. (See Boehringer and Gessler.)
- Gessler, Otto, Detroit, Mich. Non-refillable bottle. No. 1,054,966; Mar. 4; Gaz. vol. 188; p. 106.
- Gessner, David, Worcester, Mass. Cloth-winding machine. No. 1,051,399; Jan. 28; Gaz. vol. 186; p. 812.
- Getchell, Charles D., *et al.* (See Jones, Oscar S., assignor.)
- Getchell, Charles K., *et al.* (See Jones, Oscar S., assignor.)
- Getman, David D., Lemmon, S. D. Invisible cigar-holder. No. 1,067,515; July 15; Gaz. vol. 192; p. 621.
- Getman, Richard M., Larchwood, Iowa, assignor of one-third to W. A. Hanson, Mitchell, S. D., and one-third to W. V. Amidon, Larchwood, Iowa. Car-door lock. No. 1,050,641; Jan. 14; Gaz. vol. 186; p. 485.
- Gettelman, Frederick, Milwaukee, Wis. Pasteurizing. No. 1,077,270; Nov. 4; Gaz. vol. 196; p. 9.
- Gettelman, Frederick, Milwaukee, Wis. Pasteurizing. No. 1,082,743; Dec. 30; Gaz. vol. 197; p. 1095.
- Gettins, Harry T., Cleveland, Ohio. Rack for holding brushes. No. 1,057,541; Apr. 1; Gaz. vol. 189; p. 49.
- Gettle, Thomas S., *et al.* (See Morrison, Joseph O., assignor.)
- Gettys, Albert L., and A. E. Hiteshew, Johnstown, Pa. Flying-machine. No. 1,052,334; Feb. 4; Gaz. vol. 187; p. 166.
- Geverts, Frank J. (See Lisch, Jacob J., assignor.)
- Gewerkschaft Messel. (See Spiegel, Adolf, assignor.)
- Gewerkschaft Pionier, Firm of. (See Haage, Wilhelm, assignor.)
- Geyer, Eugene J. (See Habbert, Nixdorf, and Rupscheidt, assignors.)
- Geyer, Hans, Munich, Germany. Heating apparatus for drying damp masonry. No. 1,081,035; Dec. 9; Gaz. vol. 197; p. 417.
- Geyer, Jacob A., McKeesport, Pa. Rail-fastener. No. 1,072,327; Sept. 2; Gaz. vol. 194; p. 221.
- Gheen, John W., Los Angeles, Cal. Cutting-off tool. No. 1,058,360; Apr. 8; Gaz. vol. 189; p. 377.
- Giacometti, Andres, Stains, France. Automatic key for safety-locks. No. 1,054,525; Feb. 25; Gaz. vol. 187; p. 1029.
- Gianoli, Giuseppe, assignor to Lepetit, Dollfus and Gansser, Milan, Italy. Producing tanning extracts. No. 1,063,428; June 3; Gaz. vol. 191; p. 88.
- Giardino, Joachim, West New York, N. J. Heddle-frame for looms. No. 1,082,317; Dec. 23; Gaz. vol. 197; p. 917.
- Giasson, George F., Wyandotte, Mich. Rocking-chair attachment. No. 1,067,914; July 22; Gaz. vol. 192; p. 789.
- Gibbens, George W., Hadley, Ill. Drinking-fountain for poultry. No. 1,050,732; Jan. 14; Gaz. vol. 186; p. 514.
- Gibbins, William G., Forest Gate, England. Washing, dyeing, and softening machine. No. 1,052,911; Feb. 11; Gaz. vol. 187; p. 397.
- Gibboney, Adolphus F. (See Vollmer and Gibboney.)
- Gibbons, Earl E., Hoopeson, Ill. Valve for radiators. No. 1,075,780; Oct. 14; Gaz. vol. 195; p. 437.
- Gibbons, Edward, Fall River, Mass. Window-shade bracket. No. 1,083,082; Dec. 30; Gaz. vol. 197; p. 1211.
- Gibbons, James P., Springfield, Ill. Car-cager. No. 1,083,207; Dec. 30; Gaz. vol. 197; p. 1248.
- Gibbons, Mary A., Walnut, Iowa. Hay-baler. No. 1,057,340; Mar. 25; Gaz. vol. 188; p. 1010.
- Gibbons, Michael J., New Orleans, La. Conveyer. No. 1,083,083; Dec. 30; Gaz. vol. 197; p. 1211.
- Gibbons, Thomas J., Farmington, Ill. Carpet-stretcher. No. 1,072,599; Sept. 9; Gaz. vol. 194; p. 346.

Alphabetical list of patentees—Continued.

- Gibbons, William J., Philadelphia, Pa. Spoon-holder. No. 1,052,813; Feb. 11; Gaz. vol. 187; p. 363.
- Gibbons, Willie H. (See Philp, Kemp, and Gibbons.)
- Gibbs, Charles, assignor to Underwood Typewriter Company, New York, N. Y. Stenciling-machine. No. 1,056,274; Mar. 18; Gaz. vol. 188; p. 616.
- Gibbs Company. (See Gibbs, William E., assignor.)
- Gibbs-Dahl Co. (See Gibbs, Frank H., assignor.)
- Gibbs, Frank H., assignor to Gibbs-Dahl Co., Portland, Oreg. Drinking-fount. No. 1,059,142; Apr. 15; Gaz. vol. 189; p. 684.
- Gibbs, Frederick M., Milltown, Ind. Manure-distributor. No. 1,057,341; Mar. 25; Gaz. vol. 188; p. 1010.
- Gibbs, Hiram C., and M. Gangler, Chicago, Ill. Gage-cock. No. 1,068,333; July 22; Gaz. vol. 192; p. 934.
- Gibbs, Howard W., assignor to Dorsey Manufacturing Company, Boston, Mass. Beating and mixing device. No. 1,064,070; June 10; Gaz. vol. 191; p. 342.
- Gibbs, James E., Covington, Ky. Combined door check and spring. No. 1,062,575; May 20; Gaz. vol. 190; p. 758.
- Gibbs, James E., Covington, Ky., assignor of one-half to W. A. Byerly, Bridgewater, Va. Door-check. No. 1,055,030; Mar. 4; Gaz. vol. 188; p. 129.
- Gibbs, James E., assignor of one-half to T. H. Armstrong, Covington, Ky. Massage device. No. 1,071,998; Sept. 2; Gaz. vol. 194; p. 114.
- Gibbs, John H., Philadelphia, Pa. Washtub. No. 1,053,168; Feb. 18; Gaz. vol. 187; p. 528.
- Gibbs, Joshua, Furrh, Tex. Wagon-brake. No. 1,031,109; Dec. 9; Gaz. vol. 197; p. 440.
- Gibbs, Lewis, assignor to The Gibbs Manufacturing Company, Canton, Ohio. Embroidery-hoop. No. 1,059,143; Apr. 15; Gaz. vol. 189; p. 685.
- Gibbs Manufacturing Company, The. (See Gibbs, Lewis, assignor.)
- Gibbs, William, assignor of one-half to P. E. Verity, Brantford, Ontario, Canada. Disk straightening and truing apparatus. No. 1,058,856; Apr. 15; Gaz. vol. 189; p. 584.
- Gibbs, William E., Pittsburgh, Pa., assignor to Gibbs Company, Plainfield, N. J. Apparatus and process for making wire electrolytically. No. 1,058,047; Apr. 8; Gaz. vol. 189; p. 266.
- Gibbs, William E., New York, N. Y., assignor to Gibbs Company, Plainfield, N. J. Method of and apparatus for producing copper wire. No. 1,058,048; Apr. 8; Gaz. vol. 189; p. 267.
- Gibford, Edward B., Adrian, Mich. Razor-stropping machine. No. 1,051,574; Jan. 28; Gaz. vol. 186; p. 872.
- Gibford, Edward B., and W. P. Welch; said Welch assignor to G. O. Wright, Adrian, Mich. Razor-stropping machine. No. 1,074,095; Sept. 23; Gaz. vol. 194; p. 926.
- Giblin, Charles, Cleveland, Ohio. Ironing-table. No. 1,061,833; May 13; Gaz. vol. 190; p. 467.
- Gibraltar Stone Company, The. (See Schuler, Robert, assignor.)
- Gibson, Adelbert R., Los Angeles, Cal. Dust-pan. No. 1,055,265; Mar. 4; Gaz. vol. 188; p. 203.
- Gibson, Adelbert R., Los Angeles, Cal. Sand-motor. No. 1,055,266; Mar. 4; Gaz. vol. 188; p. 203.
- Gibson, Adelbert R., Los Angeles, Cal. Roasting and corn-popping machine. No. 1,055,736; Mar. 11; Gaz. vol. 188; p. 398.
- Gibson, Adelbert R., Santa Monica, Cal. Device for indicating and announcing chest expansion and lung capacity. No. 1,055,267; Mar. 4; Gaz. vol. 188; p. 204.
- Gibson, Arthur H., et al., executors. (See Hipkins, William E.)
- Gibson, Arthur H., Easton, Pa., assignor to Ingersoll-Rand Company, New York, N. Y. Mining-machine. No. 1,082,318; Dec. 23; Gaz. vol. 197; p. 917.
- Gibson, Arthur H., Easton, Pa., assignor to Ingersoll-Rand Company, New York, N. Y. Mining-machine. No. 1,082,319; Dec. 23; Gaz. vol. 197; p. 918.
- Gibson, Charles W. (See Gresham, Henry H., assignor.)
- Gibson, Edwin R. Q., Enfield, England. Brickmaking-machine. No. 1,066,897; July 8; Gaz. vol. 192; p. 375.
- Gibson, Forest, Yelk, W. Va. Wire-stretcher. No. 1,079,700; Nov. 25; Gaz. vol. 196; p. 940.
- Gibson, Francis W., West Roxbury, and C. S. Marden, Cambridge, Mass., assignors to H. D. Beach Company. Display-rack. No. 1,082,078; Dec. 23; Gaz. vol. 197; p. 833.
- Gibson, George A., trustee. (See Thomas, Lorenzo S., assignor.)
- Gibson, George H. (See Alliger, Gamble, and Gibson.)
- Gibson, George H., Montclair, N. J., assignor to Harrison Safety Boiler Works, Philadelphia, Pa. Heating and purifying water. No. 1,080,826; Dec. 9; Gaz. vol. 197; p. 349.
- Gibson, John, Courtenay, N. D. Spring vehicle-wheel. No. 1,064,636; June 10; Gaz. vol. 191; p. 536.
- Gibson, Joseph R., Shelbyville, Ky. Combined tie holder and pressing device. No. 1,069,543; Aug. 5; Gaz. vol. 193; p. 157.
- Gibson, Lemuel E., Des Moines, Iowa. Adjustable device for uniting frames. No. 1,077,902; Nov. 4; Gaz. vol. 196; p. 229.
- Gibson, Levi A., Prineville, Oreg. Gate. No. 1,054,526; Feb. 25; Gaz. vol. 187; p. 1029.
- Gibson, Marshall D., Webster Groves, Mo. Wrapping-machine. No. 1,056,164; Mar. 18; Gaz. vol. 188; p. 578.
- Gibson, Rupert R., Waco, Tex. Seed-planter. No. 1,069,083; July 29; Gaz. vol. 192; p. 1232.
- Gibson, Thomas, Palmer, W. Va. Chain-shackle. No. 1,066,202; July 1; Gaz. vol. 192; p. 106.
- Gibson, Thomas W., assignor of one-half to P. H. Harris, Hominy, Okla. Automatic combination-wrench. No. 1,056,275; Mar. 18; Gaz. vol. 188; p. 616.
- Gibson, William C., Shawnee, Okla. Post-hole auger. No. 1,064,825; June 17; Gaz. vol. 191; p. 635.
- Giclas, Louis, Washington, D. C. Rain-spout or conducting-pipe. No. 1,071,411; Aug. 26; Gaz. vol. 193; p. 895.
- Gidden, William T. (See Hunt and Gidden.)
- Giddens, Lewis D., Wilson, N. C. Clock. No. 1,061,741; May 13; Gaz. vol. 190; p. 441.
- Giencke, Frederick A., assignor of one-half to G. Reinders, Brookfield, Wis. Distributing apparatus for liquids. No. 1,076,880; Oct. 28; Gaz. vol. 195; p. 902.
- Gierl, Joseph, Munich, Germany, assignor to L. H. Illing, Chicago, Ill. Brush. No. 1,058,425; Apr. 8; Gaz. vol. 189; p. 400.
- Gierling, Guillaume. (See Lundgren and Gierling.)
- Giese, James A., assignor to The Adams & Westlake Company, Chicago, Ill. Door. No. 1,079,121; Nov. 18; Gaz. vol. 196; p. 713.
- Giese, James A., and B. S. Field, assignors to The Adams & Westlake Company, Chicago, Ill. Sash-lock. No. 1,080,687; Dec. 9; Gaz. vol. 197; p. 297.
- Giese, Otto E., New York, N. Y. Filter. No. 1,053,287; Feb. 18; Gaz. vol. 187; p. 570.
- Glessel, Henry, and C. A. Schroyer, Chicago, Ill. Apparatus for treating and storing water. No. 1,065,442; June 24; Gaz. vol. 191; p. 877.
- Giesseman, William, and C. V. Crist, assignors to The Dayton Paper Bottle Company, Dayton, Ohio. Paper bottle. No. 1,076,669; Oct. 28; Gaz. vol. 195; p. 827.
- Giffen, Frank M., San Antonio, Tex. Electric soldering-iron. No. 1,061,170; May 6; Gaz. vol. 190; p. 207.
- Giffhorn, Ernst R., Brooklyn, N. Y. Wave-motor. No. 1,071,225; Aug. 26; Gaz. vol. 193; p. 833.
- Gignoux, Fred E. (See Payne, James H., assignor.)
- Gihon, George H., Berkeley, Cal. Plate-printing press. No. 1,071,043; Aug. 26; Gaz. vol. 193; p. 771.
- Gil, Joseph M. F. H., Paris, France. Means for operating cocks, valves, and the like from a distance. No. 1,074,428; Sept. 30; Gaz. vol. 194; p. 1066.
- Gilardone, Richard, Mutzig, Germany. Aeroplane-track. No. 1,066,203; July 1; Gaz. vol. 192; p. 106.
- Gilberd, Gatland, Henderson, New Zealand. Oil-burner. No. 1,071,308; Aug. 26; Gaz. vol. 193; p. 860.
- Gilbert, Albert M., Detroit, Mich. Valve for engines. No. 1,076,972; Oct. 28; Gaz. vol. 195; p. 935.
- Gilbert, Alfred C., assignor to The Mysto Mfg. Co., New Haven, Conn. Toy construction-blocks. No. 1,066,809; July 8; Gaz. vol. 192; p. 345.
- Gilbert & Barker Manufacturing Company. (See Finigan, William H., assignor.)
- Gilbert, Benjamin F., Philadelphia, Pa. Rail joint and fastener. No. 1,081,823; Dec. 16; Gaz. vol. 197; p. 718.
- Gilbert, Charles E., Fort Wayne, Ind., assignor to The American Multigraph Company, Cleveland, Ohio. Device for locking lines of type. No. 1,080,275; Dec. 2; Gaz. vol. 197; p. 125.
- Gilbert, Charles L. (See Komarek, Gustav, assignor.)
- Gilbert, Edmund D., assignor to The S. S. White Dental Manufacturing Company, Philadelphia, Pa. Cap-crown splitter. No. 1,058,743; Apr. 15; Gaz. vol. 189; p. 545.
- Gilbert, Franklin P., assignor of one-half to J. A. Mooney, Palmerton, Pa. Composition railway-tie. No. 1,066,598; July 8; Gaz. vol. 192; p. 272.
- Gilbert, Hammond C., Denver, Colo. Combined ore classifier and jig. No. 1,055,737; Mar. 11; Gaz. vol. 188; p. 398.
- Gilbert, Henry J., Saginaw, Mich. Pulley. No. 1,062,703; May 27; Gaz. vol. 190; p. 842.
- Gilbert, Henry J., Saginaw, Mich. Pulley. No. 1,062,825; May 27; Gaz. vol. 190; p. 882.
- Gilbert, J. E. (See Rogers, Anderson L., assignor.)
- Gilbert, Jerome B., Knoxville, Pa. Composition of matter. No. 1,068,999; July 29; Gaz. vol. 192; p. 1202.
- Gilbert, Joseph M., Mount Vernon, assignor, by mesne assignments, of one-half to The B. F. Goodrich Company, New York, N. Y., one-fourth to The Goodyear Tire & Rubber Company, Akron, Ohio, and one-fourth to The United States Tire Company, New York, N. Y. Demountable rim. No. 1,078,579; Nov. 11; Gaz. vol. 196; p. 491.
- Gilbert, Noah L., Rock Island, Ill. Curling-iron heater. No. 1,054,527; Feb. 25; Gaz. vol. 187; p. 1029.
- Gilbert-Stringer, Henry J. S., Brighton, and P. W. Druitt, Mitcham, assignors, by mesne assignments, to E. H. Allen and A. F. De Fonblanque, London, England. Apparatus for composing and casting type. No. 1,074,546; Sept. 30; Gaz. vol. 194; p. 1102.

Alphabetical list of patentees—Continued.

- Gilbert, Walter V., London, England. Compound lever. No. 1,083,084; Dec. 30; Gaz. vol. 197; p. 1212.
- Gilbertson, Gustav A., Benson, Minn. Animal-shears. No. 1,063,429; June 3; Gaz. vol. 191; p. 88.
- Gilbertson, Otto M., La Crosse, Wis. Machine for cutting and feeding sanitary paper coverings for closet-seats. No. 1,081,904; Dec. 16; Gaz. vol. 197; p. 743.
- Gilbertson, Thomas J., Ryder, N. D. Bow-facing oar. No. 1,070,448; Aug. 19; Gaz. vol. 193; p. 539.
- Gilchrist Company, The. (See Gilchrist, Raymond B., assignor.)
- Gilchrist, John E., South Bend, Wash. Tag-line clevis. No. 1,060,675; May 6; Gaz. vol. 190; p. 38.
- Gilchrist, John E., South Bend, Wash. Logging or butt chain lead-block. No. 1,060,676; May 6; Gaz. vol. 190; p. 38.
- Gilchrist, John E., South Bend, Wash. Pulley-block. No. 1,063,528; June 3; Gaz. vol. 191; p. 120.
- Gilchrist, John E., South Bend, Wash. Cable-cutter. No. 1,078,191; Nov. 11; Gaz. vol. 196; p. 357.
- Gilchrist, Raymond B., Newark, N. J. Squeezer. No. 1,053,590; Feb. 18; Gaz. vol. 187; p. 675.
- Gilchrist, Raymond B., Newark, N. J. Mop-press. No. 1,082,864; Dec. 30; Gaz. vol. 197; p. 1137.
- Gilchrist, Raymond B., assignor to The Gilchrist Company, Newark, N. J. Cork-puller. No. 1,058,361; Apr. 8; Gaz. vol. 189; p. 377.
- Gilchrist, Raymond B., assignor to The Gilchrist Company, Newark, N. J. Bottle-holder. No. 1,058,362; Apr. 8; Gaz. vol. 189; p. 378.
- Gile, William L., Ludington, Mich. Hydraulic controlling means for propellers. No. 1,078,092; Nov. 11; Gaz. vol. 196; p. 324.
- Giles, Arthur E., Latrobe, Pa. Gate-controlling means. No. 1,051,729; Jan. 28; Gaz. vol. 186; p. 923.
- Giles, Chesley T. J., Greenville, S. C. Hinge. No. 1,063,158; May 27; Gaz. vol. 190; p. 992.
- Giles, Chesley T. J., Greenville, S. C. Hinge. No. 1,077,522; Nov. 4; Gaz. vol. 196; p. 100.
- Giles, Edgar, White Lake, S. D. Window-shelf bracket. No. 1,069,000; July 29; Gaz. vol. 192; p. 1202.
- Giles, Henry S., *et al.* (See Nielsen, Rasmus, assignor.)
- Giles, John H., assignor to Klauder-Weldon Dyeing Machine Company, Amsterdam, N. Y. Dyeing-machine. No. 1,057,634; Apr. 1; Gaz. vol. 189; p. 81.
- Giles, John H., assignor to Klauder-Weldon Dyeing Machine Company, Amsterdam, N. Y. Dyeing apparatus. No. 1,057,635; Apr. 1; Gaz. vol. 189; p. 81.
- Giles, Joseph V., Chicago, Ill. Forming designs upon articles. No. 1,063,529; June 3; Gaz. vol. 191; p. 121.
- Giles, Julian A., Derby, Conn. Nail-puller. No. 1,080,210; Dec. 2; Gaz. vol. 197; p. 102.
- Giles, Lloyd. (See Kent, Giles, and Lyster.)
- Giles, William E., New Haven, Conn. Car-step. No. 1,052,476; Feb. 11; Gaz. vol. 187; p. 249.
- Gilletta, Annibale, Turin, Italy. Firearm. No. 1,066,487; July 8; Gaz. vol. 192; p. 232.
- Gillfillan, Essington N., deceased, (E. G. Hanson, administrator.) Syracuse, assignor of fifty-one one-hundredths to J. Hunter, Fulton, N. Y. Cigar-wrapper. No. 1,076,007; Oct. 14; Gaz. vol. 195; p. 515.
- Gillfillan, Essington N., deceased, (E. G. Hanson, administrator.) Syracuse, assignor of fifty-one one-hundredths to J. Hunter, Fulton, N. Y. Cigar-wrapper. No. 1,076,008; Oct. 14; Gaz. vol. 195; p. 515.
- Gilford, Frederick E., Concord, N. H. Milling-cutter. No. 1,071,615; Aug. 26; Gaz. vol. 193; p. 962.
- Gilgenberg, Martin. (See Altmann and Gilgenberg.)
- Gilham, Harry E. (See Nelson and Gilham.)
- Gilkey, William S., and G. H. Ogden, assignors to The W. S. Gilkey Printing Company, Cleveland, Ohio. Report-book. No. 1,052,414; Feb. 4; Gaz. vol. 187; p. 194.
- Gill Brick Machine Company, The. (See Gill, Charles W., assignor.)
- Gill, Charles H., Chicago, Ill., assignor to Underwood Type-writer Company, New York, N. Y. Stop mechanism for type-writing machines. No. 1,066,099; July 1; Gaz. vol. 192; p. 69.
- Gill, Charles W., Erie, Pa., assignor to The Gill Brick Machine Company, Westfield, N. Y. Plastic-block-making apparatus. No. 1,077,523; Nov. 4; Gaz. vol. 196; p. 100.
- Gill, Edwin R., Yonkers, N. Y., assignor, by mesne assignments, to General Railway Equipment Company. Combined telegraph and signaling system. No. 1,063,193; June 3; Gaz. vol. 191; p. 9.
- Gill, Edwin R., Yonkers, N. Y., assignor, by mesne assignments, to Hall Switch & Signal Company. Signaling system. No. 1,070,371; Aug. 12; Gaz. vol. 193; p. 471.
- Gill, Thomas J., Stockton, Cal. Sign. No. 1,056,165; Mar. 18; Gaz. vol. 188; p. 579.
- Gillam, Archibald L., *et al.* (See Jury, Ruben, assignor.)
- Gillen, Isabella, Woodmere, N. Y. Shut-off system for conduits. No. 1,072,938; Sept. 9; Gaz. vol. 194; p. 468.
- Gillenwater, Jesse O., *et al.* (See Gray, Isaac C., assignor.)
- Giller, Francis W., and D. Marshall, Cheltenham, England. Fastening for rugs, mats, carpets, and the like. No. 1,073,416; Sept. 16; Gaz. vol. 194; p. 673.
- Gillespie, Alan K., assignor to United Refrigerator and Ice Machine Company, Kenosha, Wis. Rolling bin. No. 1,056,166; Mar. 18; Gaz. vol. 188; p. 579.
- Gillespie, Alan K., assignor to F. K. Gillespie, Kenosha, Wis. Track-door. No. 1,072,600; Sept. 9; Gaz. vol. 194; p. 346.
- Gillespie, Alfred J., assignor, by mesne assignments, to Empire Voting Machine Company, Rochester, N. Y. Voting-machine. No. 1,072,939; Sept. 9; Gaz. vol. 194; p. 468.
- Gillespie, Angus, Troy, N. Y. Tally-machine. No. 1,081,952; Dec. 23; Gaz. vol. 197; p. 789.
- Gillespie, Charles B., Grand Forks, N. D. Means for excluding flies from buildings. No. 1,053,983; Feb. 25; Gaz. vol. 187; p. 844.
- Gillespie, Charles B., Grand Forks, N. D. Means for excluding flies from buildings. No. 1,064,140; June 10; Gaz. vol. 191; p. 368.
- Gillespie, Charles W., Etna Green, Ind. Corn-planter. No. 1,073,749; Sept. 23; Gaz. vol. 194; p. 810.
- Gillespie, Edward L., Seattle, Wash. Ironing-board. No. 1,059,144; Apr. 15; Gaz. vol. 189; p. 685.
- Gillespie, Frances K. (See Gillespie, Alan K., assignor.)
- Gillespie, James, Bridgeton, N. J. Grinding apparatus. No. 1,059,862; Apr. 22; Gaz. vol. 189; p. 960.
- Gillespie, Jane E., Atlanta, Ga. Water-heater. No. 1,077,828; Nov. 4; Gaz. vol. 196; p. 201.
- Gillespie, William H., Birmingham, Ala. Syrup-measuring faucet. No. 1,053,169; Feb. 18; Gaz. vol. 187; p. 529.
- Gillespie, William J., Togus, Me. Pan for baking bread. No. 1,050,449; Jan. 14; Gaz. vol. 186; p. 420.
- Gillet, Eva C., administratrix. (See Gillett, Frank P.)
- Gillett, Frank P., deceased, Chicago, Ill.; E. C. Gillett, administratrix. Faucet. No. 1,069,871; Aug. 12; Gaz. vol. 193; p. 300.
- Gillett, George S., Halfway, assignor of one-half to C. Black, Wallowa, Oreg. Water-motor. No. 1,061,605; May 13; Gaz. vol. 190; p. 395.
- Gillette, Cassius E., *et al.* (See Moran and Mosher, assignors.)
- Gillette, Cassius E., Philadelphia, Pa. Canal-lock. No. 1,067,242; July 15; Gaz. vol. 192; p. 528.
- Gillette, George K., Central Village, Conn., assignor of one-half to Fred W. Morse Company. Poultry-feeder. No. 1,064,315; June 10; Gaz. vol. 191; p. 427.
- Gillette, George M., assignor to Minneapolis Steel & Machinery Company, Minneapolis, Minn. Flume. No. 1,049,698; Jan. 7; Gaz. vol. 186; p. 130.
- Gillette, Harleigh, Chicago, Ill. Electric clock. No. 1,078,274; Nov. 11; Gaz. vol. 196; p. 386.
- Gillette, Harleigh, Chicago, Ill. Thermo-electric switch. No. 1,080,908; Dec. 9; Gaz. vol. 197; p. 376.
- Gillette Safety Razor Company. (See Boyce, Harrison H., assignor.)
- Gillette Safety Razor Company. (See Bunnell, Morton G., assignor.)
- Gillette Safety Razor Company. (See Crichton-Clarke, William H., assignor.)
- Gillette Safety Razor Company. (See Dunn, Clifford E., assignor.)
- Gillette Safety Razor Company. (See Nickerson, William E., assignor.)
- Gillette Safety Razor Company. (See Proctor, Alfred W., assignor.)
- Gillette Safety Razor Company. (See Rote, John G., assignor.)
- Gillette-Vibber Co., The. (See Vibber, Wheeler H., assignor.)
- Gillham, Clarence W., Kansas City, Mo., and G. B. Seibert, Keokuk, Iowa. Tobacco-plug extractor. No. 1,064,317; June 10; Gaz. vol. 191; p. 428.
- Gilliam, George W., Yale, Va. End-gate fastener. No. 1,051,730; Jan. 28; Gaz. vol. 186; p. 923.
- Gilliam, Harry, Springfield, Ohio. Incubator. No. 1,059,605; Apr. 22; Gaz. vol. 189; p. 878.
- Gilliam Manufacturing Company, The. (See White, Harry B., assignor.)
- Gilliam, Walter L., St. Louis, Mo. Filtering material. No. 1,061,368; May 13; Gaz. vol. 190; p. 311.
- Gilliam, Wilfrid G., Washington, D. C. Game-carrier. No. 1,075,970; Oct. 14; Gaz. vol. 195; p. 502.
- Gillig, William G., Chicago, Ill. Rheostat. No. 1,064,722; June 17; Gaz. vol. 191; p. 602.
- Gilligan, John, Lincoln, Nebr. Concrete construction. No. 1,055,162; Mar. 4; Gaz. vol. 188; p. 170.
- Gilliland, Allen B., and A. C. Sheets, Van Wert, Ohio. Mausoleum. No. 1,064,316; June 10; Gaz. vol. 191; p. 427.
- Gilliland, Ira H., Erie, Pa. Detachable calk for horse-shoes. No. 1,080,757; Dec. 9; Gaz. vol. 197; p. 323.
- Gilliland, Orra L., Doyon, N. D. Shock-loader. No. 1,073,849; Sept. 23; Gaz. vol. 194; p. 843.
- Gilliland, Orra L., Ortle, S. D. Shock-loader. No. 1,076,670; Oct. 28; Gaz. vol. 195; p. 827.

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- Gilling, Preston E., East Orange, N. J. Electrical connection. No. 1,076,032; Oct. 21; Gaz. vol. 195; p. 552.
- Gilliotte, Benjamin A. (See Burley and Gilliotte.)
- Gillis, John, U. S. Navy. Bell-buoy. No. 1,067,601; July 15; Gaz. vol. 192; p. 650.
- Gillis, Malcolm W., Evanston, assignor to B. Kuppenheimer & Co., Chicago, Ill. Nethergarment. No. 1,059,145; Apr. 15; Gaz. vol. 189; p. 685.
- Gillispie, James H., and J. L. Coberly, Burnsville, W. Va. Automatic cut-off. No. 1,060,336; Apr. 29; Gaz. vol. 189; p. 1167.
- Gillmor, Horatio G., Bath, Me. Means of forming rail-joints. No. 1,050,450; Jan. 14; Gaz. vol. 186; p. 420.
- Gillmor, Horatio G., Quincy, Mass. Expander for pipes, tubes, &c. No. 1,081,496; Dec. 16; Gaz. vol. 197; p. 610.
- Gilson, Charles B., *et al.* (See Hamilton, William L., assignor.)
- Gilson, Louis K., *et al.* (See Hamilton, William L., assignor.)
- Gilman, George H., St. Paul, Minn. Draft-sill. No. 1,070,029; Aug. 12; Gaz. vol. 193; p. 353.
- Gilman, George H., assignor to Sullivan Machinery Company, Claremont, N. H. Pressure-actuated tool. No. 1,053,093; Feb. 11; Gaz. vol. 187; p. 460.
- Gilman, George H., assignor to Sullivan Machinery Company, Claremont, N. H. Direct-acting engine. No. 1,058,668; Apr. 8; Gaz. vol. 189; p. 481.
- Gilman, George H., assignor to Sullivan Machinery Company, Claremont, N. H. Engine for rock-drills. No. 1,063,194; June 3; Gaz. vol. 191; p. 9.
- Gilman, George H., and H. M. Robertson, St. Paul, Minn. Draft-rigging. No. 1,073,578; Sept. 16; Gaz. vol. 194; p. 727.
- Gilman, John H., assignor to King & Hamilton Company, Ottawa, Ill. Wagon-dump. No. 1,078,670; Nov. 18; Gaz. vol. 196; p. 554.
- Gilman, John H., assignor to King & Hamilton Company, Ottawa, Ill. Gearing. No. 1,078,671; Nov. 18; Gaz. vol. 196; p. 554.
- Gilman, John H., Chicago, assignor to King & Hamilton Company, Ottawa, Ill. Wagon-dump. No. 1,078,672; Nov. 18; Gaz. vol. 196; p. 555.
- Gilman, Joseph T., Chicago, Ill. Dumping-vehicle. No. 1,066,100; July 1; Gaz. vol. 192; p. 69.
- Gilman, Joseph T., Chicago, Ill. Dumping-vehicle. No. 1,066,101; July 1; Gaz. vol. 192; p. 70.
- Gilman, Joseph T., Chicago, Ill. Dumping-vehicle. No. 1,066,102; July 1; Gaz. vol. 192; p. 70.
- Gilman, Joseph T., Chicago, Ill. Dumping-vehicle. No. 1,066,103; July 1; Gaz. vol. 192; p. 70.
- Gilman, Osmon B., Cambridge, Mass. Atomizer. No. 1,056,094; Mar. 18; Gaz. vol. 188; p. 554.
- Gilmartin, John J., Guild, Tenn. Clutch. No. 1,081,735; Dec. 16; Gaz. vol. 197; p. 686.
- Gilmer, George W., Jr., Philadelphia, Pa. Combination-tool. No. 1,074,113; Sept. 30; Gaz. vol. 194; p. 961.
- Gilmer, John E., Philadelphia, Pa. Temporary binder. No. 1,050,642; Jan. 14; Gaz. vol. 186; p. 485.
- Gilmore, Charles A., McComb, Miss. Underwear. No. 1,058,426; Apr. 8; Gaz. vol. 189; p. 400.
- Gilmore, Earl B. (See Stone, Charles W., assignor.)
- Gilmore, Edward E., Philadelphia, Pa. Overhead construction for electric railways. No. 1,050,643; Jan. 14; Gaz. vol. 186; p. 485.
- Gilmore, George E., *et al.* (See Brooks, William S., assignor.)
- Gilmore, Martin A., and W. E. Woodard, Schenectady, N. Y. Washout-plug for steam-boilers. No. 1,071,906; Sept. 2; Gaz. vol. 194; p. 82.
- Gilmore, Millard, assignor to Variety Manufacturing Company, Chicago, Ill. Fire-door. No. 1,077,468; Nov. 4; Gaz. vol. 196; p. 81.
- Gilmore, Millard, assignor to Variety Manufacturing Company, Chicago, Ill. Fire-door for elevator-shafts, &c. No. 1,078,275; Nov. 11; Gaz. vol. 196; p. 386.
- Gilmour, William, Montreal, Quebec, Canada. Brake-shoe. No. 1,082,462; Dec. 23; Gaz. vol. 197; p. 962.
- Gilroy, Frank J., Buffalo, N. Y. Locomotive-feed-water heater. No. 1,050,451; Jan. 14; Gaz. vol. 186; p. 420.
- Gilsdorf, Arnold J., Toledo, Ohio. Coat-hanger. No. 1,073,599; Sept. 23; Gaz. vol. 194; p. 755.
- Gilsenan, John J., Newark, N. J. Shoe-nail. No. 1,065,352; June 24; Gaz. vol. 191; p. 846.
- Gilsey, James, Cincinnati, Ohio. Lamp-shade. No. 1,080,211; Dec. 2; Gaz. vol. 197; p. 102.
- Gilson, Albert F. F. (See Ireland and Gilson.)
- Gilson, Emery G., Schenectady, N. Y., assignor to General Electric Company. Making bearing compositions. No. 1,071,044; Aug. 26; Gaz. vol. 193; p. 771.
- Gilson, Henry R., Beaver, Pa., assignor to National Metal Molding Company. Electrical switch. No. 1,064,318; June 10; Gaz. vol. 191; p. 428.
- Gilson, Henry R., Baden, assignor to National Metal Molding Company, Pittsburgh, Pa. Lock. No. 1,071,999; Sept. 2; Gaz. vol. 194; p. 114.
- Gilson, Henry R., Baden, assignor to National Metal Molding Company, Pittsburgh, Pa. Electrical switch. No. 1,082,021; Dec. 23; Gaz. vol. 197; p. 814.
- Gilson, John E., assignor to Gilson Manufacturing Company, Port Washington, Wis. Harvester. No. 1,063,967; June 10; Gaz. vol. 191; p. 307.
- Gilson, John E., assignor to Gilson Manufacturing Company, Port Washington, Wis. Friction-clutch. No. 1,081,528; Dec. 16; Gaz. vol. 197; p. 621.
- Gilson Manufacturing Company. (See Gilson, John E., assignor.)
- Gilson, Samuel H., Salt Lake City, Utah. Hydroaeroplane. No. 1,057,999; Apr. 1; Gaz. vol. 189; p. 206.
- Gilson, Seth J., Sharon, Pa. Roller-bearing. No. 1,066,402; July 1; Gaz. vol. 192; p. 174.
- Gilstrap, Owen G., assignor of one-fourth to C. E. Meyring, Portland, Oreg. Pneumatic-despatch apparatus. No. 1,066,599; July 8; Gaz. vol. 192; p. 272.
- Gimenez, Juan. (See Llobet and Gimenez.)
- Ginaca, Henry G., assignor to Hawaiian Pineapple Company, Ltd., Honolulu, Hawaii. Machine for treating fruit. No. 1,060,247; Apr. 29; Gaz. vol. 189; p. 1134.
- Ginaca, Henry G., assignor to Hawaiian Pineapple Company, Ltd., Honolulu, Hawaii. Centering attachment for pineapple-machines. No. 1,060,248; Apr. 29; Gaz. vol. 189; p. 1135.
- Ginaca, Henry G., assignor to Hawaiian Pineapple Company, Ltd., Honolulu, Hawaii. Machine for trimming fruit. No. 1,060,249; Apr. 29; Gaz. vol. 189; p. 1135.
- Ginaca, Henry G., assignor to Hawaiian Pineapple Company, Ltd., Honolulu, Hawaii. System of treating fruit. No. 1,060,250; Apr. 29; Gaz. vol. 189; p. 1135.
- Ginaca, Henry G., assignor to Hawaiian Pineapple Company, Ltd., Honolulu, Hawaii. Cutting-tube for fruit-treating machines. No. 1,060,750; May 6; Gaz. vol. 190; p. 64.
- Ginaca, Henry G., assignor to Hawaiian Pineapple Company, Ltd., Honolulu, Hawaii. Fruit-trimming machine. No. 1,065,309; June 17; Gaz. vol. 191; p. 793.
- Ginaca, Henry G., assignor to Hawaiian Pineapple Company, Ltd., Honolulu, Hawaii. Machine for marking cans. No. 1,066,488; July 8; Gaz. vol. 192; p. 232.
- Ginaca, Henry G., assignor to Hawaiian Pineapple Company, Ltd., Honolulu, Hawaii. Pineapple-centering attachment. No. 1,075,031; Oct. 7; Gaz. vol. 195; p. 152.
- Gingold, David, New York, N. Y. Coasting device. No. 1,075,250; Oct. 7; Gaz. vol. 195; p. 228.
- Gingras, Henri, St. Hyacinthe, Quebec, Canada. Tape sticking and shearing machine. No. 1,051,215; Jan. 21; Gaz. vol. 186; p. 716.
- Ginn, Percy E. (See Scott, Charles D., assignor.)
- Ginsberg, Simon. (See Armstrong and Ginsberg.)
- Giolitti, Federico, Rome, assignor to Societa Anonima Italiana Gio. Ansaldo Armstrong & Co., Genoa, Italy. Manufacture of armor-plates for the protection of ships and other steel objects. No. 1,061,998; May 20; Gaz. vol. 190; p. 565.
- Giolitti, Federico, Turin, assignor to Societa Anonima Italiana Gio. Ansaldo Armstrong & Co., Genoa, Italy. Cementation-furnace. No. 1,064,898; June 17; Gaz. vol. 191; p. 657.
- Giolitti, Federico, Turin, assignor to Societa Anonima Italiana Gio. Ansaldo Armstrong & Co., Genoa, Italy. Case-hardening articles of iron, steel, and steel alloys. No. 1,074,114; Sept. 30; Gaz. vol. 194; p. 961.
- Giometti, John G. (See Gerth, William E., assignor.)
- Giordano, Anthony, San Antonio, Tex. Cabinet-bed. No. 1,073,674; Sept. 23; Gaz. vol. 194; p. 784.
- Giordano, Generoso, Turin, Italy. Syringe-holder. No. 1,054,528; Feb. 25; Gaz. vol. 187; p. 1029.
- Giorgio, Michele, Pittsburgh, Pa. Attachment for incandescent gas-burners. No. 1,080,212; Dec. 2; Gaz. vol. 197; p. 103.
- Giovannoni, Charles, assignor of one-half to C. E. Crow, Enterprise, Oreg. Hose-coupling. No. 1,074,319; Sept. 30; Gaz. vol. 194; p. 1029.
- Giovanola, Tranquillo P., and F. Cerrato, Los Angeles, Cal. Tool. No. 1,065,124; June 17; Gaz. vol. 191; p. 732.
- Gipe, Isaac S., Rapid City, S. D. Combined ironing-board and step-ladder. No. 1,061,834; May 13; Gaz. vol. 190; p. 468.
- Girard, Alexandre, Paris, France. Purifying device for night-soil, waste waters, and the like. No. 1,060,178; Apr. 29; Gaz. vol. 189; p. 1111.
- Girard, John H., Lowell, Mass. Threader for sewing-machines. No. 1,072,601; Sept. 9; Gaz. vol. 194; p. 347.
- Girard, Joseph, *et al.* (See Carrau, Edward, assignor.)
- Girardelli, Riccardo, Rome, Italy. Electric motor for transmitting angular movements. No. 1,068,759; July 29; Gaz. vol. 192; p. 1118.
- Girl, Christian, *et al.* (See Perrine, William E., assignor.)
- Giriot, Joseph, Laeken, Brussels, Belgium. Manufacturing by forging or matricing circular pieces of work with a profiled periphery. No. 1,068,236; July 22; Gaz. vol. 192; p. 900.
- Girod, Paul, Ugines, France. Thermal treatment of metal in electrically-heated furnaces. No. 1,066,810; July 8; Gaz. vol. 192; p. 346.
- Giroux, Joseph, Cowans, Quebec, Canada. Automatic car-coupling. No. 1,075,641; Oct. 14; Gaz. vol. 195; p. 392.

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- Girson, David, Spokane, Wash. Numerating-machine. No. 1,071,664; Aug. 26; Gaz. vol. 193; p. 978.
- Girtanner, Frederick, *et al.* (See Zuber, Gottlieb, assignor.)
- Girtanner, Frederick, assignor to Laclede-Christy Clay Products Company, St. Louis, Mo. Endless movable grate for furnaces. No. 1,050,531; Jan. 14; Gaz. vol. 186; p. 449.
- Girtanner, Frederick, assignor to Laclede-Christy Clay Products Company, St. Louis, Mo. Furnace-arch. No. 1,068,581; July 29; Gaz. vol. 192; p. 1056.
- Giset, Olaf E., assignor to A. Wittnauer & Co., New York, N. Y. Indicating mechanism for timepieces. No. 1,061,171; May 6; Gaz. vol. 190; p. 208.
- Gish, Christopher C., Swansea, Ariz. Farm-gate. No. 1,054,529; Feb. 25; Gaz. vol. 187; p. 1030.
- Gish, John L., South Bend, Ind. Sanitary flushing-tank. No. 1,074,711; Oct. 7; Gaz. vol. 195; p. 44.
- Gisholt Machine Company. (See McCabe, Horace B., assignor.)
- Gisholt Machine Company. (See Miller, William L., assignor.)
- Gist, William V., Sparta, Tenn. Repunching-machine. No. 1,049,847; Jan. 7; Gaz. vol. 186; p. 180.
- Gits, Alphons H., Chicago, Ill. Oil-cup. No. 1,057,956; Apr. 1; Gaz. vol. 189; p. 191.
- Gitsham Gold Extraction Company. (See Gitsham, James, assignor.)
- Gitsham, James, Moonee Ponds, Victoria, assignor to Gitsham Gold Extraction Company, Ltd., Melbourne, Australia. Recovery of gold and silver from antimonial, arsenical, and other gold-bearing ores. No. 1,068,646; July 29; Gaz. vol. 192; p. 1080.
- Gittinger, Friedrich, Jersey City Heights, N. J. Keg-tapping device. No. 1,065,233; June 17; Gaz. vol. 191; p. 767.
- Gius, John T. (See Seppi, Albert, assignor.)
- Giusti, Henry, Frankford, Pa. Vulcanizing device. No. 1,081,824; Dec. 16; Gaz. vol. 197; p. 719.
- Givan, Leslie W., Spring Lick, Ky. Train-annunciator. No. 1,064,899; June 17; Gaz. vol. 191; p. 658.
- Givaudan, Leon. (See Scheitlin and Kunz, assignors.)
- Given, Hansford F., Upperglade, W. Va. Saddle-bag. No. 1,072,602; Sept. 9; Gaz. vol. 194; p. 347.
- Gjorup, Emil, Chicago, Ill. Combination advertising label, calendar, and pen-wiper. No. 1,050,644; Jan. 14; Gaz. vol. 186; p. 486.
- Glackin, Edward J., Chicago, Ill. Spring-wheel. No. 1,071,153; Aug. 26; Gaz. vol. 193; p. 807.
- Glader, William, Chicago, Ill., assignor to J. W. Brainard, Pittsburgh, Pa. Hoop-machine. No. 1,071,733; Sept. 2; Gaz. vol. 194; p. 21.
- Gladfelter, Robert. (See Hanba and Gladfelter.)
- Gladish, Edwin B., Higginsville, Mo. Automatic carbide-feed. No. 1,069,544; Aug. 5; Gaz. vol. 193; p. 158.
- Glaentzer, Adolph L., New York, N. Y. Faucet. No. 1,051,100; Jan. 21; Gaz. vol. 186; p. 679.
- Glaeser, Martin T., Chicago, Ill. Egg-tray for incubators. No. 1,051,575; Jan. 28; Gaz. vol. 186; p. 873.
- Glaize, Andrew C., *et al.* (See Torney, John H., assignor.)
- Glanschig, Ignaz, assignor of one-half to W. Hatzfeld, Chicago, Ill. Automatic gas-shut-off valve. No. 1,072,603; Sept. 9; Gaz. vol. 194; p. 347.
- Glascok, Samuel W., Charlottesville, Va. Fruit-tree prop. No. 1,080,758; Dec. 9; Gaz. vol. 197; p. 324.
- Glasener, John H., Mansfield, Ohio. Washing-machine. No. 1,053,379; Feb. 18; Gaz. vol. 187; p. 602.
- Glaser, Alois, East Dedham, assignor to Marshall, Son & Company, Inc., Boston, Mass. Spool or bobbin. No. 1,056,019; Mar. 18; Gaz. vol. 188; p. 529.
- Glaser, Alois, Dedham, and J. W. Edson, Hingham, assignors to L. E. Vose, Walpole, Mass. Spool. No. 1,074,786; Oct. 7; Gaz. vol. 195; p. 68.
- Gläser, Ferdinand, Limbach, Germany. Earth-working implement. No. 1,049,574; Jan. 7; Gaz. vol. 186; p. 89.
- Glaser, William H. (See Johnson, Glaser, and Lloyd.)
- Glasgow, Arthur G. (See Carroll, Lafayette D., assignor.)
- Glasgow, Arthur G. (See Stelfox, James C., assignor.)
- Glasgow, Ernest M., and M. Sunshine, assignors to M. Sunshine, New York, N. Y. Garment-pressing machine. No. 1,070,680; Aug. 19; Gaz. vol. 193; p. 618.
- Glasgow, James E. (See Goble and Glasgow.)
- Glass, Alexander, Wheeling, W. Va. Heating-furnace. No. 1,074,258; Sept. 30; Gaz. vol. 194; p. 1009.
- Glass, Charles L., Brooklyn, N. Y. Combined bath and shower cock. No. 1,064,966; June 17; Gaz. vol. 191; p. 681.
- Glass, Perley R., Boston, Mass., assignor, by mesne assignments, to United Shoe Machinery Company, Paterson, N. J. Lasting-machine. (Reissue.) No. 13,505; Jan. 7; Gaz. vol. 186; p. 262.
- Glassco, Walter F., Indianapolis, Ind. Fountain-vase. No. 1,081,825; Dec. 16; Gaz. vol. 197; p. 719.
- Glasser, Frederick E., New York, N. Y. Vehicle-wheel. No. 1,083,009; Dec. 30; Gaz. vol. 197; p. 1187.
- Glassner, Benjamin. (See Dankberg, Moses, assignor.)
- Glauber, August. (See Dekan and Glauber.)
- Glauber, Joseph H., Cleveland, Ohio. Water-distributing device. No. 1,066,104; July 1; Gaz. vol. 192; p. 71.
- Glaves, Wilson J. M., Bright, Ontario, Canada. Advertising device. No. 1,049,699; Jan. 7; Gaz. vol. 186; p. 130.
- Gleason, Edith B. (See Reenstierna, Gustaf L., assignor.)
- Gleason, Edward D., New York, assignor, by mesne assignments, to Plastic Metal Company, Inc., Brooklyn, N. Y. Lead-copper alloy. No. 1,066,403; July 1; Gaz. vol. 192; p. 174.
- Gleason, Edward D., New York, assignor, by mesne assignments, to Plastic Metal Company, Inc., Brooklyn, N. Y. Lead-copper-tin alloy. No. 1,066,428; July 1; Gaz. vol. 192; p. 181.
- Gleason, Edward D., assignor to Plastic Metal Company, New York, N. Y. Lead-copper-tin composition. No. 1,077,698; Nov. 4; Gaz. vol. 196; p. 157.
- Gleason, Edward D., assignor to Plastic Metal Company, New York, N. Y. Lead-copper composition. No. 1,077,699; Nov. 4; Gaz. vol. 196; p. 157.
- Gleason, Edward D., assignor to Plastic Metal Company, New York, N. Y. Making lead-copper compositions. No. 1,077,700; Nov. 4; Gaz. vol. 196; p. 157.
- Gleason, Edward D., assignor to Plastic Metal Company, New York, N. Y. Making lead-copper-tin compositions. No. 1,077,701; Nov. 4; Gaz. vol. 196; p. 157.
- Gleason, Edward D., New York, assignor to F. J. Roesler, Brooklyn, N. Y. Sterling silver. No. 1,075,642; Oct. 14; Gaz. vol. 195; p. 392.
- Gleason, Edward D., New York, assignor to F. J. Roesler, Brooklyn, N. Y. Copper-aluminum alloy. No. 1,076,973; Oct. 28; Gaz. vol. 195; p. 935.
- Gleason, Edward D., New York, assignor, by mesne assignments, to New-Metals and Process Company, Long Island City, N. Y. Molding compound. No. 1,077,958; Nov. 4; Gaz. vol. 196; p. 246.
- Gleason, Martin H., Fitchburg, Mass. Combined window-shade and curtain bracket. No. 1,054,914; Mar. 4; Gaz. vol. 188; p. 89.
- Gleason, Odiorne J. W., Worcester, Mass. Mail-box. No. 1,065,353; June 24; Gaz. vol. 191; p. 846.
- Gleason, William P., Gary, Ind. Water-cooled buckstay. No. 1,052,477; Feb. 11; Gaz. vol. 187; p. 249.
- Gleaves, Samuel, Salt Lake City, Utah. Curtain-stretcher. No. 1,073,341; Sept. 16; Gaz. vol. 194; p. 646.
- Gledhill, Edward C., Galion, Ohio. Sleigh-runners for go-carts and the like. No. 1,077,524; Nov. 4; Gaz. vol. 196; p. 101.
- Gleeson, William H., San Francisco, Cal. High-pressure nozzle. No. 1,067,516; July 15; Gaz. vol. 192; p. 621.
- Glendinning, Robert. (See Spiegel, Alexander S., assignor.)
- Glenn, Columbus W., Kent, Tex. Instep-plate for shoes. No. 1,051,880; Feb. 4; Gaz. vol. 187; p. 11.
- Glenn, Frank L., Mint Spring, Va. Drill-boot. No. 1,074,857; Oct. 7; Gaz. vol. 195; p. 91.
- Glenn, George H., Wellsville, Ohio. Clothes-line holder. No. 1,070,955; Aug. 19; Gaz. vol. 193; p. 706.
- Glenn, Grover C., assignor to General Manufacturing and Investment Co., Raleigh, N. C. Mouthpiece-wiper for linotype-machines. No. 1,064,319; June 10; Gaz. vol. 191; p. 428.
- Glenn, James A., Albany, N. Y. Motor-car wheel. No. 1,063,530; June 3; Gaz. vol. 191; p. 121.
- Glenn, James A., Albany, N. Y. Rim construction. No. 1,063,531; June 3; Gaz. vol. 191; p. 121.
- Glenn, John, New York, N. Y. Registering device. No. 1,064,469; June 10; Gaz. vol. 191; p. 480.
- Glenon, Cornelius, Elkhart, Ind. Water-closet. No. 1,070,245; Aug. 12; Gaz. vol. 193; p. 427.
- Gley, Paul R., Mystic, Conn. Drawing-in mechanism. No. 1,067,602; July 15; Gaz. vol. 192; p. 650.
- Glidden, Alfred A., Watertown, Mass., assignor to Hood Rubber Company. Rubber heel-lift. No. 1,058,857; Apr. 15; Gaz. vol. 189; p. 585.
- Glidden, John E., insane; S. E. Glidden, guardian, Beverly, Mass.; said S. E. Glidden, administratrix of said John E. Glidden, deceased, assignor to United Shoe Machinery Company, Paterson, N. J. Heel-pricking machine. No. 1,077,929; Nov. 4; Gaz. vol. 196; p. 236.
- Glidden, Sadie E., administratrix. (See Glidden, John E.)
- Glindkamp, Hermann, Chicago, Ill. Door-securer. No. 1,064,320; June 10; Gaz. vol. 191; p. 428.
- Glinski, Barney J. (See Wajda, Floryan, assignor.)
- Globe, Alexander R., assignor of one-half to J. G. Mueller, Cobalt, Ontario, Canada. Liner for grinding-mills. No. 1,055,395; Mar. 11; Gaz. vol. 188; p. 286.
- Globe Telephone Company. (See McGonigle, Charles W., assignor.)
- Globe-Wernicke Company, The. (See Senge, Liborius, assignor.)
- Gloeckner, Martha V., Chautauqua, N. Y. Button. No. 1,082,420; Dec. 23; Gaz. vol. 197; p. 950.
- Glosop, Charles W., Delton, Mich. Railway-tie. No. 1,063,195; June 3; Gaz. vol. 191; p. 10.
- Glottfelty, William M., Ohiopyle, Pa. Rough box. No. 1,082,803; Dec. 30; Gaz. vol. 197; p. 1117.
- Glover, Charles B. (See Ewing and Glover.)
- Glover, Frank E., Rouseville, Pa. Wrench. No. 1,055,899; Mar. 11; Gaz. vol. 188; p. 454.
- Glover, Samuel, St. Helens, and J. West, Southport, England. Gas-tight coal-valve. No. 1,054,195; Feb. 25; Gaz. vol. 187; p. 916.

Alphabetical list of patentees—Continued.

- Glowacki, John. (See Rakowski and Glowacki.)
- Glowacki, John B., Chicago, Ill. Ball-caster. No. 1,060,076; Apr. 29; Gaz. vol. 189; p. 1076.
- Glowacki, John B., Chicago, Ill. Resilient positioning device for windows. No. 1,065,234; June 17; Gaz. vol. 191; p. 767.
- Glowacki, John B., Chicago, Ill. Window-positioning device. No. 1,068,888; July 29; Gaz. vol. 192; p. 1166.
- Glowacki, Kasimierz. (See Jasiecki and Glowacki.)
- Glowth, Frederick J., assignor of one-half to H. E. Schlobohm, Yonkers, N. Y. Chain-link. No. 1,051,881; Feb. 4; Gaz. vol. 187; p. 11.
- Gloystein, Christian F., assignor to American Nicotine Company, Henderson, Ky. Treating tobacco-scrap. No. 1,078,427; Nov. 11; Gaz. vol. 196; p. 442.
- Gluchowsky, Victor, *et al.* (See Marsh, Elmer E., assignor.)
- Glunt, Samuel P., Union City, Ind. Sliding door for storm-buggies. No. 1,067,871; July 22; Gaz. vol. 192; p. 776.
- Gminder, Emil, Reutlingen, Germany. Apparatus for feeding fabrics to receptacles. No. 1,053,490; Feb. 18; Gaz. vol. 187; p. 640.
- Gnad, Karl, Waiblingen, Germany. Machine for cutting tiles. No. 1,067,421; July 15; Gaz. vol. 192; p. 590.
- Gnoeth, Emil. (See Mann and Gnoeth.)
- Gnoeth, Emil, Madisonville, assignor to W. F. Harmon, trustee, Cincinnati, Ohio. Steering-gear. No. 1,065,905; June 24; Gaz. vol. 191; p. 1034.
- Gnu Copy Holder Manufacturing Company. (See Peetz, McDanel, and Thompson, assignors.) (Reissue.)
- Gobatti, Edmond. (See Chiariglione, Vescovi, and Gobatti.)
- Gobbe, Emile, Jumet, Belgium. Treating pulverulent substances. No. 1,061,469; May 13; Gaz. vol. 190; p. 346.
- Gobbi, Emilio, Asnières, France. Carbureter. No. 1,061,835; May 13; Gaz. vol. 190; p. 468.
- Gobin, André F., New York, N. Y. Railway-spike. No. 1,075,911; Oct. 14; Gaz. vol. 195; p. 482.
- Goble, John R., and J. E. Glasgow, Decatur, Ill. Liquid-fuel burner. No. 1,049,700; Jan. 7; Gaz. vol. 186; p. 131.
- Gochenauer, David. (See Rusk, Newton, assignor.)
- Gochenour, John J., Maurertown, Va. Gate. No. 1,066,404; July 1; Gaz. vol. 192; p. 174.
- Gochik, Johan, Passaic, N. J. Wire-reel. No. 1,056,410; Mar. 18; Gaz. vol. 188; p. 660.
- Gocus, John. (See Wiesbauer and Gocus.)
- Godber, William, South Orange, N. J., assignor to Westinghouse Electric & Manufacturing Company. Jewel-mounting. No. 1,049,354; Jan. 7; Gaz. vol. 186; p. 12.
- Goddard, Joseph, assignor to Seneca Camera Manufacturing Company, Rochester, N. Y. Photographic-printing frame. No. 1,064,637; June 10; Gaz. vol. 191; p. 536.
- Goddard, Joseph, assignor to Seneca Camera Manufacturing Company, Rochester, N. Y. Photographic camera. No. 1,068,889; July 29; Gaz. vol. 192; p. 1166.
- Goddard, William B., New York, N. Y. Machine for forming sheet-metal barrels. No. 1,058,669; Apr. 8; Gaz. vol. 189; p. 481.
- Goddu, George, Winchester, Mass., assignor to United Shoe Machinery Company, Paterson, N. J. Machine for inserting fastenings. No. 1,076,279; Oct. 21; Gaz. vol. 195; p. 635.
- Goddu, George, Winchester, Mass., assignor to United Shoe Machinery Company, Paterson, N. J. Fastener supplying and delivering mechanism. No. 1,076,280; Oct. 21; Gaz. vol. 195; p. 635.
- Godefroid, Armand, Berlin, Germany. Electrical cash-controlling apparatus. No. 1,068,760; July 29; Gaz. vol. 192; p. 1119.
- Godefroy, Jules F. (See Kugler and Godefroy.)
- Godfrey, Frank W., Beaverton, Oreg. Voting-machine. No. 1,080,006; Dec. 2; Gaz. vol. 197; p. 30.
- Godfrey, William A., assignor to B. F. Sturtevant Company, Boston, Mass. Elastic-fluid engine. No. 1,081,443; Dec. 16; Gaz. vol. 197; p. 592.
- Godley, Charles E., assignor to The Edmunds & Jones Mfg. Co., Detroit, Mich. Oil-lamp. No. 1,052,912; Feb. 11; Gaz. vol. 187; p. 398.
- Godley, Charles E., assignor to The Edmunds & Jones Mfg. Co., Detroit, Mich. Lamp structure. No. 1,071,907; Sept. 2; Gaz. vol. 194; p. 82.
- Godley, Charles E., assignor to Edmunds and Jones Manufacturing Company, Detroit, Mich. Lamp. No. 1,074,712; Oct. 7; Gaz. vol. 195; p. 44.
- Godley, Charles E., assignor to The Edmunds & Jones Mfg. Co., Detroit, Mich. Coal-oil burner. No. 1,082,514; Dec. 30; Gaz. vol. 197; p. 1014.
- Godley, George F., Philadelphia, Pa. Vehicle and like wheel. No. 1,074,787; Oct. 7; Gaz. vol. 195; p. 69.
- Godson, Frederick P. (See Ray, Lewis H., assignor.)
- Godwin, Benjamin, Marple, England. Bolt-clutch. No. 1,061,172; May 6; Gaz. vol. 190; p. 208.
- Goebel, Baptiste, Liege, Belgium. Bolt-breech for fire-arms. No. 1,067,243; July 15; Gaz. vol. 192; p. 528.
- Goebler, Charles, Poughkeepsie, N. Y., assignor to The De Laval Separator Company. Spring for spring-bearings. No. 1,056,603; June 24; Gaz. vol. 191; p. 932.
- Goeden, William H., Nebraska City, Nebr. Door-lock. No. 1,060,448; Apr. 29; Gaz. vol. 189; p. 1206.
- Goehring, Peter F., Guttenberg, N. J. Automatically-controlled pump. No. 1,068,122; July 22; Gaz. vol. 192; p. 858.
- Goehst, John H., and E. F. Hamill, Chicago, Ill. Hanger for pipes and cables. No. 1,069,937; Aug. 12; Gaz. vol. 193; p. 322.
- Goelz, Charles, Mineral Point, Wis. Wrench. No. 1,060,752; May 6; Gaz. vol. 190; p. 65.
- Goelz, William J., Albany, N. Y. Cab for locomotive-engines. No. 1,069,689; Aug. 12; Gaz. vol. 193; p. 236.
- Goerdes, Frederick W., assignor to American Button Company, Newark, N. J. Case. No. 1,065,898; June 24; Gaz. vol. 191; p. 1031.
- Goerdes, Frederick W., assignor to American Button Company, Newark, N. J. Igniter. No. 1,079,002; Nov. 18; Gaz. vol. 196; p. 671.
- Goersch, Friedrich W. J., Cleveland, Ohio. Swimming device. No. 1,062,587; May 27; Gaz. vol. 190; p. 804.
- Goersch, Friedrich W. J., Cleveland, Ohio. Spring-wheel. No. 1,066,724; July 8; Gaz. vol. 192; p. 317.
- Goertz, Frederick, Newark, N. J., assignor to Aug. Goertz & Co. Bag-frame. No. 1,075,560; Oct. 14; Gaz. vol. 195; p. 363.
- Goessling, William F. (See Heckel, Kachel, Goessling, and Pauk.)
- Goeth, Richard A., R. B. Rodgers, and J. A. Dittmar, San Antonio, Tex. Automobile-pump. No. 1,054,762; Mar. 4; Gaz. vol. 188; p. 37.
- Goetz, Adam D., Charles Town, W. Va. Chair. No. 1,057,722; Apr. 1; Gaz. vol. 189; p. 112.
- Goetz, Charles, Mount Savage, Md. Clay-grinding machine. No. 1,051,216; Jan. 21; Gaz. vol. 186; p. 716.
- Goetz, Frank V., *et al.* (See Born and Recen, assignors.)
- Goetz, Henry A., New Albany, Ind. Sewer cleaner and flusher. No. 1,081,497; Dec. 16; Gaz. vol. 197; p. 610.
- Goetz, Henry F., assignor to Waterbury Mfg. Co., Waterbury, Conn. Socket for incandescent electric lamps. No. 1,069,938; Aug. 12; Gaz. vol. 193; p. 322.
- Goetz, William L. (See Ketterer, Alvin N., assignor.)
- Goff, Frank, assignor of one-half to C. F. Shradler, Camden, N. J. Boiler. No. 1,076,881; Oct. 28; Gaz. vol. 195; p. 902.
- Goff, Henry A., Englefield Green, assignor to J. Drake, Egham, England. Lamp-bracket. No. 1,082,079; Dec. 23; Gaz. vol. 197; p. 834.
- Goff, Lewis S., *et al.* (See Runnion, Alonzo, assignor.)
- Goff, Rufus B., *et al.* (See Brindle, Thomas, assignor.)
- Gofferje, Emil. (See Dietz and Gofferje.)
- Gogarty, Michael J., Brooklyn, N. Y. Scoop. No. 1,075,561; Oct. 14; Gaz. vol. 195; p. 363.
- Gogel, Jacob, Toledo, Ohio. Tire-heater. No. 1,082,515; Dec. 30; Gaz. vol. 197; p. 1014.
- Goggin, Byron R., Chicago, Ill. Elevator. No. 1,051,576; Jan. 28; Gaz. vol. 186; p. 873.
- Goggin, Byron R., Chicago, Ill. Elevator-operating mechanism. No. 1,071,309; Aug. 26; Gaz. vol. 193; p. 860.
- Gohlke, Max, Berlin, and W. Dahlmann, Tegel, near Berlin, Germany. Mechanism for measuring the play between relatively movable parts. No. 1,062,566; May 20; Gaz. vol. 190; p. 755.
- Gohlke, Theodor, Sabow, Germany. Step for harvest-cars. No. 1,068,890; July 29; Gaz. vol. 192; p. 1166.
- Gohmann, Arthur, assignor to Stettiner Chamotte-Fabrik Actien-Gesellschaft vorm. Didier, Stettin, Germany. Upright-chamber oven. No. 1,058,744; Apr. 15; Gaz. vol. 189; p. 545.
- Gohmann, Arthur, assignor to Stettiner Chamotte-Fabrik Actien-Gesellschaft vorm. Didier, Stettin, Germany. Gas-producing oven. No. 1,060,837; May 6; Gaz. vol. 190; p. 94.
- Gohmann, Arthur, assignor to Stettiner Chamotte-Fabrik Actien-Gesellschaft vorm. Didier, Stettin, Germany. Chamber-oven. No. 1,072,223; Sept. 2; Gaz. vol. 194; p. 188.
- Gohmann, Arthur, assignor to Stettiner Chamotte-Fabrik Actien-Gesellschaft vormals Didier, Stettin, Germany. Chamber-oven. No. 1,079,003; Nov. 18; Gaz. vol. 196; p. 671.
- Going, George G. (See Ruffin and Going.)
- Golais, Catherine, New York, N. Y. Petticoat. No. 1,059,989; Apr. 29; Gaz. vol. 189; p. 1048.
- Gold Car Heating & Lighting Company. (See Gold, Edward E., assignor.)
- Gold Car Heating & Lighting Company. (See Kitchen, Frederick T., assignor.)
- Gold, Edgar L., and W. L. Breinig, Nazareth, Pa. Positive-clutch transmission mechanism. No. 1,058,231; Apr. 8; Gaz. vol. 189; p. 331.
- Gold, Edward E., assignor to Gold Car Heating & Lighting Company, New York, N. Y. Thermostatic steam-trap. No. 1,050,210; Jan. 14; Gaz. vol. 186; p. 335.
- Gold, Edward E., assignor to Gold Car Heating & Lighting Company, New York, N. Y. Steam-heating system. No. 1,052,814; Feb. 11; Gaz. vol. 187; p. 364.
- Gold, Edward E., assignor to Gold Car Heating & Lighting Company, New York, N. Y. Steam-heating system. No. 1,059,356; Apr. 22; Gaz. vol. 189; p. 793.
- Gold, Edward E., assignor to Gold Car Heating & Lighting Company, New York, N. Y. Thermostatic mechanism. No. 1,077,224; Oct. 28; Gaz. vol. 195; p. 1015.

Alphabetical list of patentees—Continued.

- Gold, Egbert H., Chicago, Ill. Drainage-fitting. No. 1,061,064; May 6; Gaz. vol. 190; p. 175.
- Gold, Egbert H., Chicago, Ill. Car-heating system. No. 1,077,525; Nov. 4; Gaz. vol. 196; p. 101.
- Gold, Egbert H., Chicago, Ill. Hose-coupling. No. 1,081,444; Dec. 16; Gaz. vol. 197; p. 592.
- Goldberg Calculating Machine Company. (See Goldberg, Hyman E., assignor.)
- Goldberg, Harry A. and M., New York, N. Y. Collar-clip. No. 1,057,821; Apr. 1; Gaz. vol. 189; p. 147.
- Goldberg, Hyman E., assignor to Goldberg Calculating Machine Company, Chicago, Ill. Calculating-machine. No. 1,061,606; May 13; Gaz. vol. 190; p. 395.
- Goldberg, Hyman E., assignor to Goldberg Calculating Machine Co., Chicago, Ill. Calculating-machine. No. 1,076,110; Oct. 21; Gaz. vol. 195; p. 579.
- Goldberg, John S., assignor to Goldberg Motor Car Devices Manufacturing Company, Chicago, Ill. Automatic valve mechanism. No. 1,082,744; Dec. 30; Gaz. vol. 197; p. 1096.
- Goldberg, Joseph M., *et al.* (See Rosedale, Adolph, assignor.)
- Goldberg, Louis B. and N., Denver, Colo. Knockdown stove. No. 1,051,217; Jan. 21; Gaz. vol. 186; p. 716.
- Goldberg, Max. (See Goldberg, Harry A. and M.)
- Goldberg, Maximilian M., Ithaca, N. Y. Variable-speed alternating-current motor. No. 1,052,478; Feb. 11; Gaz. vol. 187; p. 250.
- Goldberg Motor Car Devices Manufacturing Company. (See Goldberg, John S., assignor.)
- Goldberg, Nathan. (See Goldberg, Louis B. and N.)
- Goldberg, Samuel. (See Ingram, Horace G., assignor.)
- Goldberger, Leo, *et al.* (See Jensen, Peter, assignor.)
- Goldberger, Max, Chicago, Ill. Tailor's measuring device. No. 1,079,333; Nov. 25; Gaz. vol. 196; p. 814.
- Goldblatt, Edward J., Chicago, Ill. Gas-regulating means. No. 1,069,084; July 29; Gaz. vol. 192; p. 1232.
- Goldblatt, Edward J., Chicago, assignor of one-half to A. R. Ames, La Grange, Ill. Type-writer. No. 1,065,041; June 17; Gaz. vol. 191; p. 704.
- Goldcamp, Joseph H. (See Alpach, Oscar D., assignor.)
- Golden, Asher, New York, N. Y. Bread-board. No. 1,076,882; Oct. 28; Gaz. vol. 195; p. 903.
- Golden, Charles D., Chicago, Ill. Collapsible cart. No. 1,066,489; July 8; Gaz. vol. 192; p. 233.
- Golden, Charles E. (See Anderson, Edward V., assignor.)
- Golden, Irving B., Toledo, Ohio. Salt-rising-dough raiser. No. 1,051,951; Feb. 4; Gaz. vol. 187; p. 36.
- Golden, Irving B., Toledo, Ohio. Bread-rack. No. 1,072,000; Sept. 2; Gaz. vol. 194; p. 114.
- Golden, James W., Sweetbriar, N. D. Automobile attachment. No. 1,076,974; Oct. 28; Gaz. vol. 195; p. 935.
- Golden, John R., Hammond, Ind. Automatic gate for railway-crossings. No. 1,053,591; Feb. 18; Gaz. vol. 187; p. 675.
- Golden, Maximilian K., Detroit, Mich. Electric vibrator. No. 1,061,065; May 6; Gaz. vol. 190; p. 175.
- Goldenberg, Benjamin, New York, N. Y. Leg and arm for dolls. No. 1,065,354; June 24; Gaz. vol. 191; p. 846.
- Goldenberg, Benjamin, assignor of one-half to E. I. Horsman Co., New York, N. Y. Doll. No. 1,055,458; Mar. 11; Gaz. vol. 188; p. 308.
- Goldenthal, Bernard. (See Carey and Goldenthal.)
- Goldfield, Abraham T., New York, N. Y. Ironing-table. No. 1,066,105; July 1; Gaz. vol. 192; p. 71.
- Goldie, William, Jr., Bay City, Mich. Railway-joint plate. No. 1,082,022; Dec. 23; Gaz. vol. 197; p. 814.
- Golding, John F., Washington, D. C. Constructing concrete floors and ceilings. No. 1,053,127; Feb. 11; Gaz. vol. 187; p. 471.
- Goldman, Ella E., executrix. (See Goldman, Isaac S.)
- Goldman, Harry, Chicago, Ill. Car-steps. No. 1,051,400; Jan. 28; Gaz. vol. 186; p. 812.
- Goldman, Henry, assignor to Arithstyle Company, New York, N. Y. Calculating-machine. No. 1,068,051; July 22; Gaz. vol. 192; p. 836.
- Goldman, Isaac S., deceased; E. E. Goldman, executrix, Los Angeles, Cal., assignor of one-half to L. S. Hackney, St. Paul, Minn. Lock. No. 1,078,192; Nov. 11; Gaz. vol. 196; p. 357.
- Goldman, Samuel S., St. Louis, Mo. Trolley-wire crossing, switch, and the like. No. 1,075,032; Oct. 7; Gaz. vol. 195; p. 153.
- Goldman, Samuel S., St. Louis, Mo. Animal-trap. No. 1,082,942; Dec. 30; Gaz. vol. 197; p. 1165.
- Goldsborough, John B., Croton, N. Y. Extending foundations. No. 1,060,077; Apr. 29; Gaz. vol. 189; p. 1076.
- Goldsborough, John B., Croton, N. Y. Underpinning buildings, &c. No. 1,063,869; June 3; Gaz. vol. 191; p. 239.
- Goldsborough, John B., Croton, N. Y. Underpinning buildings, &c. (Reissue.) No. 13,610; Aug. 26; Gaz. vol. 193; p. 984.
- Goldschmidt, Aaron, and C. M. Hollander, New York, N. Y. Garment. No. 1,065,310; June 17; Gaz. vol. 191; p. 793.
- Goldschmidt, Adolf, New York, N. Y. Match-box holder. No. 1,069,247; Aug. 5; Gaz. vol. 193; p. 57.
- Goldschmidt Detinning Company. (See Goldschmidt, Hans, assignor.)
- Goldschmidt Detinning Company. (See Spitz, Gustav, assignor.)
- Goldschmidt, Hans, Essen-on-the-Ruhr, Germany. Manufacture and use of ferrosulfuric acid. No. 1,075,709; Oct. 14; Gaz. vol. 195; p. 413.
- Goldschmidt, Hans, Essen-on-the-Ruhr, Germany, assignor to Goldschmidt Detinning Company, New York, N. Y. Preparing tinned sheet-iron boxes, &c., for detinning. No. 1,053,908; Feb. 18; Gaz. vol. 187; p. 781.
- Goldschmidt, Hans, Essen-on-the-Ruhr, Germany, assignor, by mesne assignments, to Goldschmidt Detinning Company, Jersey City, N. J. Apparatus for preparing tinned sheet-iron boxes, &c., for detinning. No. 1,075,781; Oct. 14; Gaz. vol. 195; p. 437.
- Goldschmidt, Hans, and O. Weil, assignors to Firm of Th. Goldschmidt, Essen-on-the-Ruhr, Germany. Raising the alloying qualification of titanium. No. 1,075,782; Oct. 14; Gaz. vol. 195; p. 437.
- Goldschmidt & Loewenick. (See Heilbrunn and Friese, assignors.)
- Goldschmidt, Firm of Th. (See Brewitt, Walter, assignor.)
- Goldschmidt, Firm of Th. (See Goldschmidt and Weil, assignors.)
- Goldschmidt, Firm of Th. (See Lange, Felix, assignor.)
- Goldsmith, Byron B., New York, N. Y. Composition of matter and making the same. No. 1,076,417; Oct. 21; Gaz. vol. 195; p. 685.
- Goldsmith, David, Newark, N. J. Trunk-strap and buckle. No. 1,066,725; July 8; Gaz. vol. 192; p. 318.
- Goldsmith, Edwin M., Philadelphia, Pa. Combined braid-holder and bodkin-carrier. No. 1,054,763; Mar. 4; Gaz. vol. 188; p. 38.
- Goldsmith, George H. (See Rankine and Goldsmith.)
- Goldsmith, Nathan, Newark, N. J. Trunk. No. 1,075,783; Oct. 14; Gaz. vol. 195; p. 437.
- Goldsmith, Nathaniel O., assignor to The Weir Frog Company, Norwood, Ohio. Switch-stand. No. 1,065,520; June 24; Gaz. vol. 191; p. 903.
- Goldsmith, Nathaniel O., and J. Metzger, assignors to The Weir Frog Company, Norwood, Ohio. Switch-stand. No. 1,051,401; Jan. 28; Gaz. vol. 186; p. 813.
- Goldsmith, William H., Jr. (See Blake and Goldsmith.)
- Goldsmith, William H., Jr., Biddeford, Me., assignor, by mesne assignments, to Saco-Pettee Company, Newton, Mass. Coupling for roller-beams and the like. No. 1,080,055; Dec. 2; Gaz. vol. 197; p. 48.
- Goldsmith, William M., Cincinnati, Ohio. Metal lath. No. 1,077,404; Nov. 4; Gaz. vol. 196; p. 58.
- Goldstein, Abe, *et al.* (See Goldstein, Samuel, assignor.)
- Goldstein, Adolph O., San Francisco, Cal. Advertising device. No. 1,058,698; Apr. 8; Gaz. vol. 189; p. 491.
- Goldstein, Charles, New York, N. Y. Dyeing. No. 1,082,627; Dec. 30; Gaz. vol. 197; p. 1055.
- Goldstein, Franz. (See Siegel and Goldstein.)
- Goldstein, Harry H., Hartford, Conn. Vending-receptacle. No. 1,078,346; Nov. 11; Gaz. vol. 196; p. 412.
- Goldstein, Isadore, *et al.* (See Goldstein, Samuel, assignor.)
- Goldstein, Louis. (See Goldstein, William and L.)
- Goldstein, Meyer, *et al.* (See Goldstein, Samuel, assignor.)
- Goldstein, Samuel, assignor of one-fourth to I. Goldstein, one-fourth to A. Goldstein, and one-fourth to M. Goldstein, Chicago, Ill. Bed davenport or couch. No. 1,078,044; Nov. 11; Gaz. vol. 196; p. 307.
- Goldstein, Sigmund, assignor to Feuchtwanger & Co., Nuremberg, Germany. Cerium-iron automatic lighter. No. 1,066,405; July 1; Gaz. vol. 192; p. 174.
- Goldstein, Simon I., Baltimore, Md. Umbrella-steamer. No. 1,069,123; Aug. 5; Gaz. vol. 193; p. 12.
- Goldstein, William. (See Clavans, Morris Z., assignor.)
- Goldstein, William and L., Philadelphia, Pa. Garment. No. 1,076,757; Oct. 28; Gaz. vol. 195; p. 858.
- Goldzier, Alma M., New York, N. Y. Combined eraser and brush. No. 1,066,268; July 1; Gaz. vol. 192; p. 130.
- Golinkin, George B. (See Golinkin, Moses and G. B.)
- Golinkin, Moses and G. B., Chicago, Ill. Station-indicator. No. 1,071,310; Aug. 26; Gaz. vol. 193; p. 861.
- Gollobin, Harry A., and N. A. Bornstein, assignors to The Dental Denture Improvement Company, Newark, N. J. Removable bridge for teeth. No. 1,062,233; May 20; Gaz. vol. 190; p. 646.
- Golodetz, Abram, Berlin, assignor of one-half to B. Benedix, Hamburg, Germany. Separating mixtures of liquids. No. 1,079,004; Nov. 18; Gaz. vol. 196; p. 672.
- Goltstein, Ewald, Cologne, Germany, assignor to American Goldy Stopper Company, San Francisco, Cal. Apparatus for applying caps to receptacles. No. 1,063,968; June 10; Gaz. vol. 191; p. 307.
- Golubovitz, Millard, near Lebanon, Pa. Rotary device. No. 1,050,123; Jan. 14; Gaz. vol. 186; p. 306.
- Gomillion, Lum L., Shreve, Ala. Combination rail-tie and rail-clamp. No. 1,063,532; June 3; Gaz. vol. 191; p. 121.
- Gondoli, Nicholas J., New Orleans, La. Flushing apparatus. No. 1,059,146; Apr. 15; Gaz. vol. 189; p. 686.
- Gondoli, Nicholas J., New Orleans, La. Flushing device. No. 1,081,110; Dec. 9; Gaz. vol. 197; p. 440.
- Gonware, Daniel F., Chicago, Ill. Journal-box wear-plate. No. 1,082,943; Dec. 30; Gaz. vol. 197; p. 1165.

Alphabetical list of patentees—Continued.

- Gonzalez, Alvin R., Los Angeles, Cal. Concrete tie construction. No. 1,060,179; Apr. 29; Gaz. vol. 189; p. 1111.
- Gonzales, Frank C., Traer, Iowa. Gas-engine valve. No. 1,082,320; Dec. 23; Gaz. vol. 197; p. 918.
- Good Health Publishing Co., The. (See Tuttle, Roy X., assignor.)
- Good Inventions Co. (See Good, John, assignor.)
- Good, John, New York, N. Y. Combing-machine. No. 1,064,321; June 10; Gaz. vol. 191; p. 429.
- Good, John, New York, N. Y. Combing-machine. No. 1,074,788; Oct. 7; Gaz. vol. 195; p. 69.
- Good, John, New York, N. Y. Combing-machine. No. 1,078,618; Nov. 18; Gaz. vol. 196; p. 536.
- Good, John, deceased, Far Rockaway, N. Y.; J. E. Good, administratrix, assignor to Good Inventions Co. Combing-machine. No. 1,077,526; Nov. 4; Gaz. vol. 196; p. 101.
- Good, John, Brooklyn, and H. G. Kimball, Bronxville, N. Y. Combing-machine. No. 1,059,726; Apr. 22; Gaz. vol. 189; p. 918.
- Good, Julia E., administratrix. (See Good, John.)
- Good Manufacturing Company. (See Warner, Charles W., assignor.)
- Good, William R., Watts, Cal. Guard and stop for wire-stitching machines. No. 1,054,196; Feb. 25; Gaz. vol. 187; p. 917.
- Goodall Worsted Company. (See Spence, Fred, assignor.)
- Goodell, Harlan E. (See Stewart and Goodell.)
- Goodell & Hill. (See Hill, Charles D., assignor.)
- Goodenow-Brookfield Knitting Company. (See Mueller, Rudolph, assignor.)
- Gooder, George C., Stanton, Mich. Lighting device. No. 1,078,428; Nov. 11; Gaz. vol. 196; p. 442.
- Goodfellow, Willard H., Detroit, Mich. Vehicle-curtain. No. 1,066,269; July 1; Gaz. vol. 192; p. 130.
- Goodhue, Franklin E., Newton, Iowa. Draw-bar attachment. No. 1,068,334; July 22; Gaz. vol. 192; p. 935.
- Goodhue, Julian G., Chicago, Ill. Liquid reservoir and feeding device. No. 1,054,915; Mar. 4; Gaz. vol. 188; p. 89.
- Goodhue, Julian G., Chicago, Ill. Nozzle device. No. 1,059,293; Apr. 15; Gaz. vol. 189; p. 735.
- Goodhue, Julian G., Chicago, Ill. Door check and closer. No. 1,066,600; July 8; Gaz. vol. 192; p. 273.
- Goodhue, Julian G., Chicago, Ill. Appliance for charging disinfecting apparatus. No. 1,070,681; Aug. 19; Gaz. vol. 193; p. 618.
- Goodhue, Julian G., Chicago, Ill. Device for disinfecting purposes. No. 1,071,616; Aug. 26; Gaz. vol. 193; p. 962.
- Goodhue, Mead E., Chicago, Ill. Floor-polisher. No. 1,075,208; Oct. 7; Gaz. vol. 195; p. 214.
- Gooding, Jennie W. (See Johanson, Claes G., assignor.)
- GoodKnight, Alva L., Heavener, Okla. Self-adjusting brake-shoe. No. 1,073,038; Sept. 9; Gaz. vol. 194; p. 502.
- Goodkowitz, Hyman S., Kinston, N. C. Measuring instrument. No. 1,066,007; July 1; Gaz. vol. 192; p. 36.
- Goodloe, Edward, *et al.* (See Wells, Alpherd P. and J. C., assignors.)
- Goodloe, John, *et al.* (See Wells, Alpherd P. and J. C., assignors.)
- Goodloe, William, *et al.* (See Wells, Alpherd P. and J. C., assignors.)
- Goodman Bros. & Hinlein. (See Goodman, Leon, assignor.)
- Goodman, Charles. (See Wicks and Goodman.)
- Goodman, Charles W. (See Hurwitz and Goodman.)
- Goodman, Elizabeth M. (See Carrette, Adolphus, assignor.)
- Goodman, John C., Oklahoma, Okla. Combination swing and bed. No. 1,076,361; Oct. 21; Gaz. vol. 195; p. 665.
- Goodman, Leon, assignor to Goodman Bros. & Hinlein, Philadelphia, Pa. Apparatus for making chenille trimming. No. 1,065,235; June 17; Gaz. vol. 191; p. 768.
- Goodman, Nathan J., St. Louis, Mo. Collar-package. No. 1,057,419; Apr. 1; Gaz. vol. 189; p. 10.
- Goodman, Nathan J., St. Louis, Mo. Protector for laundry-dried shirts. (all-flexible.) No. 1,059,452; Apr. 22; Gaz. vol. 189; p. 827.
- Goodman, Nathan J., St. Louis, Mo. Adjustable protector for laundry-dried shirts. No. 1,062,150; May 20; Gaz. vol. 190; p. 618.
- Goodness, Frank A., assignor of one-half to H. E. Kinnear, Marion, Ind. Oscillating valve. No. 1,083,208; Dec. 30; Gaz. vol. 197; p. 1248.
- Goodnow, Merrill M., Seattle, Wash. Surveyor's rod. No. 1,064,470; June 10; Gaz. vol. 191; p. 481.
- Goodrich, Bertram B. (See Axt and Goodrich.)
- Goodrich, De Witt C., National Military Home, Kans. Brace-bit boring-tool. No. 1,072,328; Sept. 2; Gaz. vol. 194; p. 221.
- Goodrich, Frank K., and G. West, Coalton, Ohio. Rail-joint. No. 1,078,093; Nov. 11; Gaz. vol. 196; p. 324.
- Goodrich, Frank S. (See Humphrey and Goodrich.)
- Goodrich, George, McRae, Ark. Burial-casket. No. 1,054,289; Feb. 25; Gaz. vol. 187; p. 947.
- Goodrich, George D., Somerville, Mass. Aerial apparatus. No. 1,055,325; Mar. 11; Gaz. vol. 188; p. 261.
- Goodrich, Luman L., Jr., San Antonio, Tex. Aeroplane. No. 1,052,580; Feb. 11; Gaz. vol. 187; p. 283.
- Goodrich, Luman L., Jr., San Antonio, Tex. Motor-driven table. No. 1,071,004; Aug. 19; Gaz. vol. 193; p. 723.
- Goodrich, Ralph B., assignor to The Eagle Manufacturing Company, Cincinnati, Ohio. Operating mechanism for washing and wringing machines. No. 1,075,413; Oct. 14; Gaz. vol. 195; p. 312.
- Goodrich, Walter F., *et al.* (See Walker, Harold S., assignor.)
- Goodridge, Gilbert W., assignor to The Bryant Electric Company, Bridgeport, Conn. Attachment-plug. No. 1,063,026; May 27; Gaz. vol. 190; p. 949.
- Goodridge, Gilbert W., assignor to The Bryant Electric Company, Bridgeport, Conn. Shade-holder. No. 1,065,798; June 24; Gaz. vol. 191; p. 997.
- Goodridge, Gilbert W., assignor to The Bryant Electric Company, Bridgeport, Conn. Attachment-plug. No. 1,079,235; Nov. 18; Gaz. vol. 196; p. 751.
- Goodridge, Gilbert W., assignor to The Perkins Electric Switch Manufacturing Company, Bridgeport, Conn. Switch-handle. No. 1,072,224; Sept. 2; Gaz. vol. 194; p. 188.
- Goodridge, James F., New York, N. Y. Sheet-feeding mechanism. No. 1,072,846; Sept. 9; Gaz. vol. 194; p. 433.
- Goodrow, William, Chicago, Ill. Molding. No. 1,076,975; Oct. 28; Gaz. vol. 195; p. 936.
- Goodrum, Charles L. (See Temple and Goodrum.)
- Goodsell, Percy H., and W. E. Maynard, New York, N. Y. Label. No. 1,071,226; Aug. 26; Gaz. vol. 193; p. 833.
- Goodside, Moses, New York, N. Y. Instep-arch support. No. 1,078,276; Nov. 11; Gaz. vol. 196; p. 387.
- Goodson, George A., Minneapolis, Minn. Plated metallic body. No. 1,061,066; May 6; Gaz. vol. 190; p. 176.
- Goodson, George A., Minneapolis, Minn. Means for regulating receptor-clocks. No. 1,073,675; Sept. 23; Gaz. vol. 194; p. 784.
- Goodspeed, Leland F., assignor to Milwaukee Locomotive Manufacturing Company, Milwaukee, Wis. Gasolene-tank. No. 1,073,676; Sept. 23; Gaz. vol. 194; p. 784.
- Goodwin Car Company. (See Van Scoy, Howard, assignor.)
- Goodwin, Charles, East Moline, Ill. Air-current equalizer. No. 1,053,025; Feb. 11; Gaz. vol. 187; p. 434.
- Goodwin, Charles E. (See Dresler, Joel T., assignor.)
- Goodwin, Dwight S., assignor to O. S. Fitzsimons, Waterbury, Conn. Set-screw or the like. No. 1,075,710; Oct. 14; Gaz. vol. 195; p. 413.
- Goodwin, Edward C., assignor to The Hart & Cooley Company, New Britain, Conn. Register and ventilator construction. No. 1,080,512; Dec. 2; Gaz. vol. 197; p. 207.
- Goodwin, Harry C., assignor to E. Kirstein Sons Company, Rochester, N. Y. Eyeglasses. No. 1,057,051; Mar. 25; Gaz. vol. 188; p. 913.
- Goodwin, James E., Cumberland Gap, Tenn. Fire-alarm. No. 1,050,824; Jan. 21; Gaz. vol. 186; p. 581.
- Goodwine, Frank J. (See Hobart, Darwin, assignor.)
- Goodyear, Robert D. (See Gardner, Joseph A., assignor.)
- Goodyear, Charles H., Cedar Rapids, Iowa. Foldable pasteboard receptacle. No. 1,054,530; Feb. 25; Gaz. vol. 187; p. 1030.
- Goodyear, Nelson, assignor to B. H. Wells, New York, N. Y. Gas-buoy. No. 1,050,058; Jan. 7; Gaz. vol. 186; p. 251.
- Goodyear, Nelson, New York, N. Y., assignor to Maine Development Corporation. Gas-gun. No. 1,057,420; Apr. 1; Gaz. vol. 189; p. 10.
- Goodyear, Nelson, New York, N. Y., assignor to Maine Development Corporation. Carburetor. No. 1,082,865; Dec. 30; Gaz. vol. 197; p. 1138.
- Goodyear Tire & Rubber Company, The, *et al.* (See Gilbert, Joseph M., assignor.)
- Goodyear Tire and Rubber Company, The. (See Kuentzel, Curt, assignor.)
- Goodyear Tire and Rubber Company, The. (See Preston, Ralph A. D., assignor.)
- Goodyear Tire and Rubber Company, The. (See Tyler and Nall, assignors.)
- Goodyear Tire & Rubber Company, The, *et al.* (See Wagenhorst, James H., assignor.)
- Goodyear, Watson E. (See Bristol and Goodyear.)
- Goolman, Frederick R., assignor to Harris Player Piano Company, Binghamton, N. Y. Automatic mechanism for piano-players. No. 1,054,837; Mar. 4; Gaz. vol. 188; p. 64.
- Goppelt, Frederick A., Jr., assignor to The Holder Manufacturing Company, Waterbury, Conn. Holder for collapsible tubes. No. 1,072,940; Sept. 9; Gaz. vol. 194; p. 469.
- Göpper, Janny, and O. Geiger, Oberturkheim, Germany. Making a viscous, stringy, adhesive substance. No. 1,063,870; June 3; Gaz. vol. 191; p. 239.
- Gorbey, Robert C., Chester, Pa. Protractor. No. 1,076,758; Oct. 28; Gaz. vol. 195; p. 859.
- Gordon, Albert A., Jr. (See Morell and Gordon.)
- Gordon, Albert A., Jr., Worcester, Mass., assignor to Crompton & Knowles Loom Works. Shedding mechanism for looms. No. 1,060,977; May 6; Gaz. vol. 190; p. 144.

Alphabetical list of patentees—Continued.

- Gordon, Albert A., Jr., Worcester, Mass., assignor to Crompton & Knowles Loom Works. Shedding mechanism for looms. No. 1,062,151; May 20; Gaz. vol. 190; p. 618.
- Gordon, Alexander, Detroit, Mich. Cigar-packing machine. No. 1,054,642; Feb. 25; Gaz. vol. 187; p. 1068.
- Gordon, Arthur, Chicago, Ill. Pipe-stock. No. 1,080,627; Dec. 9; Gaz. vol. 197; p. 277.
- Gordon, Chesley, Los Angeles, Cal. Device for automatically cutting off the supply of gas to a burner. No. 1,079,122; Nov. 18; Gaz. vol. 196; p. 713.
- Gordon, David D., assignor of one-half to Reliable Electric Company, Chicago, Ill. Buffer. No. 1,072,847; Sept. 9; Gaz. vol. 194; p. 433.
- Gordon, Elise D., West Roxbury, Mass. Fastening for ironing-board covers and the like. No. 1,070,797; Aug. 19; Gaz. vol. 193; p. 657.
- Gordon, Frederick W., Fort Washington, Pa. Condensing metallic vapors. No. 1,053,592; Feb. 18; Gaz. vol. 187; p. 676.
- Gordon, George, and H. Hoyl, Mountain View, Okla. Automatic bale-regulator for hay-balers. No. 1,069,124; Aug. 5; Gaz. vol. 193; p. 12.
- Gordon, George S., New York, N. Y. Candy product and making same. No. 1,063,533; June 3; Gaz. vol. 191; p. 122.
- Gordon-Glassford, Clara M., Bairnsdale, Victoria, Australia. Convertible trunk. No. 1,057,723; Apr. 1; Gaz. vol. 189; p. 112.
- Gordon, Iphus H., assignor of one-half to L. H. Gordon, Lyndonville, Vt. Preparing stock for screw-chucks. No. 1,055,396; Mar. 11; Gaz. vol. 188; p. 286.
- Gordon, Leo A., Fall River, Mass. Demountable rim. No. 1,080,337; Dec. 2; Gaz. vol. 197; p. 146.
- Gordon, Lucius H. (See Gordon, Iphus H., assignor.)
- Gordon, Orin L., Robinson, Ill. Scale. No. 1,060,677; May 6; Gaz. vol. 190; p. 38.
- Gordon, Robert R. (See Jones and Gordon.)
- Gordon, Simon, Washington, D. C. Adjustable stool for shoe-stores. No. 1,068,496; July 29; Gaz. vol. 192; p. 1028.
- Gordon, Simon, Washington, D. C. Spring-wheel. No. 1,069,410; Aug. 5; Gaz. vol. 193; p. 113.
- Gordon, William, Island Creek, Mass., assignor to United Shoe Machinery Company, Paterson, N. J. Leather-cutting machine. No. 1,082,628; Dec. 30; Gaz. vol. 197; p. 1056.
- Gordon, William A., Shelton, Conn. Stuffing-box. No. 1,074,259; Sept. 30; Gaz. vol. 194; p. 1009.
- Gore, Albert J., Washington, D. C. Hand paper-folder and envelop-filler. No. 1,063,124; May 27; Gaz. vol. 190; p. 981.
- Gore, Thomas, New York, N. Y. Drilling-cable. No. 1,055,326; Mar. 11; Gaz. vol. 188; p. 261.
- Gore, Thomas, New York, N. Y. Cable. No. 1,071,734; Sept. 2; Gaz. vol. 194; p. 22.
- Gore, Thomas, Brooklyn, N. Y. Cable. No. 1,076,759; Oct. 28; Gaz. vol. 195; p. 859.
- Gore, Warren W. (See Schmidt and Gore.)
- Gore, William. (See Deacon and Gore.)
- Goreau, Nelson G., New Orleans, La. Gas-burner. No. 1,049,848; Jan. 7; Gaz. vol. 186; p. 180.
- Goreham, William F. (See Knowles and Goreham.)
- Gorham, Eugene I., Mount Union, Iowa. Cultivator attachment. No. 1,062,329; May 20; Gaz. vol. 190; p. 678.
- Gorham Manufacturing Company. (See Allen, Samuel B., assignor.)
- Gorham, Mathew W., Winfield, La. Single-track street-car. No. 1,064,141; June 10; Gaz. vol. 191; p. 368.
- Gorin, Fred P. (See Meiklejohn, James, assignor.)
- Gorin, Fred P., assignor to W. H. Benninghoff, Seattle, Wash. Preserving food. No. 1,072,406; Sept. 2; Gaz. vol. 194; p. 251.
- Gorlitzer, Wilhelm, Vienna, Austria-Hungary. Inverted incandescent gas-lamp. No. 1,066,406; July 1; Gaz. vol. 192; p. 174.
- Gorman, Harry B. (See Christner, Law, and Gorman.)
- Gorman, James C., Jr., Chicago, Ill. Operating hot-blast stoves. No. 1,068,424; July 29; Gaz. vol. 192; p. 1004.
- Gorman, James F., New York, N. Y. Eaves construction. No. 1,067,603; July 15; Gaz. vol. 192; p. 651.
- Gorman, John H., Salisbury, N. C. Reversing driving mechanism. No. 1,082,691; Dec. 30; Gaz. vol. 197; p. 1077.
- Gorman, Patrick W., Salt Lake City, Utah. Self-closing faucet. No. 1,065,521; June 24; Gaz. vol. 191; p. 903.
- Gorr, Louis L., Marshfield, Oreg. Economizer. No. 1,068,237; July 22; Gaz. vol. 192; p. 900.
- Gorrell, Don C., Payne, Ohio. Gate-operating mechanism. No. 1,051,218; Jan. 21; Gaz. vol. 186; p. 717.
- Gorschek, Frank. (See Nosek and Gorschek.)
- Gorschek, Joseph E., Roaring Spring, Pa. Shock-absorber. No. 1,066,407; July 1; Gaz. vol. 192; p. 175.
- Gorton, George, Racine, Wis. Metal-cutting-off machine. No. 1,063,789; June 3; Gaz. vol. 191; p. 214.
- Gorton, George, Racine, Wis. Cutting-off machine. No. 1,073,600; Sept. 23; Gaz. vol. 194; p. 756.
- Gorton, George, Racine, Wis. Rotary cutting-off saw and the like. No. 1,077,271; Nov. 4; Gaz. vol. 196; p. 10.
- Gorton, George, Racine, Wis. Rotary cutting-off saw and the like. No. 1,078,193; Nov. 11; Gaz. vol. 196; p. 358.
- Gorton, Robert, Newton, Mass. Hose-supporter stud. No. 1,057,396; Mar. 25; Gaz. vol. 188; p. 1028.
- Gorton, William E., *et al* (See Osborn, Homer A., assignor.)
- Gorton, William E., assignor of one-fourth to R. E. Creel, one-fourth to G. H. Wyatt, and one-fourth to H. A. Osborn, St. Joseph, Mo. Automatic single-pole electric switch. No. 1,050,939; Jan. 21; Gaz. vol. 186; p. 623.
- Gosch, Johannes, Buckland, Conn. Trolley. No. 1,053,805; Feb. 18; Gaz. vol. 187; p. 747.
- Goshen, William A. (See Brannon and Goshen.)
- Gosliner, Elkan, San Francisco, Cal. Sealing-wax lamp. No. 1,077,527; Nov. 4; Gaz. vol. 196; p. 102.
- Gosling, Allen, Hazel Grove, near Stockport, assignor of one-half to G. Brelsford, Blackpool, England. Turbine. No. 1,066,106; July 1; Gaz. vol. 192; p. 71.
- Gosnay, William J., Elizabeth, Ill. Shifting guide for corn-planters. No. 1,078,846; Nov. 18; Gaz. vol. 196; p. 617.
- Goss, Charles C., New York, N. Y. Bottle-casing. No. 1,073,897; Sept. 23; Gaz. vol. 194; p. 860.
- Goss, Frederick, Millicent, South Australia, Australia. Electric alarm-clock. No. 1,053,026; Feb. 11; Gaz. vol. 187; p. 435.
- Goss, Harry T., Rutherford, N. J., assignor to George H. Frothingham Co., New York, N. Y. Pier-shed doors. No. 1,080,524; Dec. 2; Gaz. vol. 197; p. 212.
- Goss, Harry T., Rutherford, N. J., and J. W. Bryce, Brooklyn, N. Y. Time recorder and indicator. No. 1,061,607; May 13; Gaz. vol. 190; p. 395.
- Goss, Harry T., and J. W. Bryce, Rutherford, N. J., assignors, by mesne assignments, to International Time Recording Company of New York. Recorder. No. 1,049,473; Jan. 7; Gaz. vol. 186; p. 52.
- Goss Printing Press Company, The. (See Cox, Paul F., assignor.)
- Goss Printing Press Company, The. (See Eddy, George A., assignor.)
- Goss Printing Press Company, The. (See Evensen, William, assignor.)
- Goss Printing Press Company, The. (See Firm, Joseph L., assignor.)
- Goss Printing Press Company, The. (See Goss, Samuel G., assignor.)
- Goss Printing Press Company, The. (See Pettigrew, Charles H., assignor.)
- Goss Printing Press Company, The. (See Walser, Joseph J., assignor.)
- Goss, Samuel G., Glencoe, assignor to The Goss Printing Press Company, Chicago, Ill. Matrix-forming machine. No. 1,078,429; Nov. 11; Gaz. vol. 196; p. 442.
- Gössel, Fritz, Stockheim, Germany. Manufacturing alimentary products from soy-beans. No. 1,082,118; Dec. 23; Gaz. vol. 197; p. 844.
- Gossweiler, Carl. (See Schroer, Heinrich, assignor.)
- Gotsch, Oscar. (See Morrison and Gotsch.)
- Gott, John, Hove, Brighton, England, assignor to Commercial Cable Company, New York, N. Y. Working submarine cables. No. 1,056,533; Mar. 18; Gaz. vol. 188; p. 707.
- Gottesleben, Emil. (See Steingasser and Gottesleben.)
- Gottlob, Kurt, assignor to Farbenfabriken vorm. Friedr. Bayer & Co., Elberfeld, Germany. Producing hydrocarbons with more than one double bond. No. 1,065,522; June 24; Gaz. vol. 191; p. 904.
- Gottschalk, Emil, Treptow, near Berlin, L. Werner, Berlin, and A. Gast, Steglitz, assignors to Chemische Fabrik Griesheim-Elektron, Frankfurt-on-the-Main, Germany. Electric safety-lamp. No. 1,076,495; Oct. 21; Gaz. vol. 195; p. 712.
- Gottschalk, Albert, New York, N. Y., assignor to National Pneumatic Company, Chicago, Ill. Door-operating device. No. 1,065,323; June 17; Gaz. vol. 191; p. 798.
- Gottschalk, Albert, New York, N. Y., assignor to National Pneumatic Company, Chicago, Ill. Motor apparatus for operating doors and the like. No. 1,065,324; June 17; Gaz. vol. 191; p. 798.
- Gottschalk, Felix, Stirling, N. J., assignor to Gottschalk Waterproof Sanitary Transmitter Co., New York, N. Y. Telephone-transmitter. (Reissue.) No. 13,533; Feb. 18; Gaz. vol. 187; p. 800.
- Gottschalk Waterproof Sanitary Transmitter Co. (See Gottschalk, Felix, assignor.) (Reissue.)
- Gotuzzo, Silvio G., Leghorn, Italy. Bucket-chain elevator. No. 1,073,803; Sept. 23; Gaz. vol. 194; p. 827.
- Goubert, August A., Englewood, N. J. Power-driven hammer. No. 1,077,469; Nov. 4; Gaz. vol. 196; p. 81.
- Goudey, Eunice A. (See Goudey, George W., assignor.)
- Goudey, George W., assignor of one-third to E. A. Goudey, Boston, Mass. Shears. No. 1,059,864; Apr. 22; Gaz. vol. 189; p. 961.
- Gough, Achilles C., Pocatello, Idaho. Electric curling-iron. No. 1,056,987; Mar. 25; Gaz. vol. 188; p. 891.
- Gough, Bronnie T., St. Petersburg, Fla. Wrench. No. 1,050,645; Jan. 14; Gaz. vol. 186; p. 486.
- Gough, Harlen W., Muncie, Ind. Fence-clamp. No. 1,069,690; Aug. 12; Gaz. vol. 193; p. 236.

Alphabetical list of patentees—Continued.

- Gould, Charles T. E., assignor of one-third to E. Hilker, Chicago, Ill. Sewing-machine. No. 1,079,406; Nov. 25; Gaz. vol. 196; p. 839.
- Gould, Charles T. E., assignor of one-third to E. Hilker, Chicago, Ill. Sewing-machine. No. 1,079,485; Nov. 25; Gaz. vol. 196; p. 866.
- Gould, Charles T. E., assignor of one-third to E. Hilker, Chicago, Ill. Sewing-machine. No. 1,080,549; Dec. 9; Gaz. vol. 197; p. 252.
- Gould Coupler Co. (See Jepson and McGary, assignors.)
- Gould Coupler Company. (See Crosby, Gorham, assignor.)
- Gould Coupler Company. (See Richards, Willard F., assignor.)
- Gould, David, Plainville, Conn. Cord-adjuster. No. 1,053,593; Feb. 18; Gaz. vol. 187; p. 677.
- Gould & Eberhardt. (See Lees, Ernest J., assignor.)
- Gould, Fred L., assignor of one-half to W. I. Thomas, one-tenth to C. M. Knox, and one-tenth to R. Petersen, Reno, Nev. Tent. No. 1,079,757; Nov. 25; Gaz. vol. 196; p. 962.
- Gould, George W., New Durham, N. H., assignor to G. W. Gould Knife Manufacturing Company, Lynn, Mass. Shoe-knife. No. 1,064,206; June 10; Gaz. vol. 191; p. 390.
- Gould, John H., Plymouth, Ill., assignor to A. C. Stewart, Los Angeles, Cal. Carbureter. No. 1,050,059; Jan. 7; Gaz. vol. 186; p. 251.
- Gould, John J., Woodstock, Ill. Clothes-line hanger. No. 1,073,230; Sept. 16; Gaz. vol. 194; p. 607.
- Gould Knife Manufacturing Company, G. W. (See Gould, George W., assignor.)
- Gould, Marcellus, deceased, and N. C. Clouette, Penacook, N. H.; W. H. Adams, executor, assignor to said Clouette. Clearer-roll for drawing, roving, and spinning frames. No. 1,077,528; Nov. 4; Gaz. vol. 196; p. 102.
- Gould Storage Battery Company. (See Chamberlain and Hall, assignors.)
- Gould Storage Battery Company. (See Gould, William S., assignor.)
- Gould Storage Battery Company. (See Hubbard, Albert S., assignor.)
- Gould Storage Battery Company. (See Pratt, Herbert E., assignor.)
- Gould Storage Battery Company. (See Rabenalt, Gustav H., assignor.)
- Gould Storage Battery Company. (See Snyder and Starkenstein, assignors.)
- Gould, Sylvester O., assignor of one-fourth to F. M. Beshore and one-fourth to E. G. Beshore, Marion, Ind. Mechanical movement. No. 1,069,611; Aug. 5; Gaz. vol. 193; p. 180.
- Gould, William S., New York, N. Y., assignor to Gould Storage Battery Company. Electric battery. No. 1,073,601; Sept. 23; Gaz. vol. 194; p. 756.
- Gouldbourn, Joseph. (See Bennion, Bates, and Gouldbourn.)
- Gouldbourn, Joseph. (See Keall, Gouldbourn, and Jeram.)
- Gouldbourn, Joseph, and H. Hallam, Leicester, England, assignors to United Shoe Machinery Company, Paterson, N. J. Machine for attaching welts or rands to stock. No. 1,081,953; Dec. 23; Gaz. vol. 197; p. 789.
- Goulding, Charles E., Tampa, Fla. Book-line guide-ruler. No. 1,049,849; Jan. 7; Gaz. vol. 186; p. 181.
- Goulette, John. (See Jorgenson, Nels P., assignor.)
- Gounley, James F., Philadelphia, Pa., assignor to Royal Electrotype Company. Machine for stopping out portions of electrotype-molds. No. 1,049,701; Jan. 7; Gaz. vol. 186; p. 181.
- Goupy, Ambroise, Paris, France. Aeroplane. No. 1,065,799; June 24; Gaz. vol. 191; p. 997.
- Gouthière, Henri, and P. Ducancel, Reims, France. Treating waste gas-purifying material. No. 1,051,882; Feb. 4; Gaz. vol. 187; p. 11.
- Goutman, Julius, *et al.* (See Eckschlager, Emil, assignor.)
- Gove, Edward H., Biddeford, Me. Siphon-flushing apparatus. No. 1,072,711; Sept. 9; Gaz. vol. 194; p. 385.
- Governale, Angelo. (See Governale, Antonio and A.)
- Governale, Antonio and A., Brooklyn, N. Y. Bedstead construction. No. 1,060,180; Apr. 29; Gaz. vol. 189; p. 1111.
- Government of the United States of America, The. (See Thurston, Howard, assignor.)
- Gow, Frank C., and S. T. Clutter, Monette, Mo. Releasing device for car-curtains. No. 1,065,236; June 17; Gaz. vol. 191; p. 768.
- Gow, John, deceased, Schenectady, (H. W. Philbrook and A. M. Loudon, administrators,) assignor to A. M. Loudon, Elmira, N. Y. Molding-machine. No. 1,077,930; Nov. 4; Gaz. vol. 196; p. 236.
- Gowan, William, Johannesburg, Transvaal. Rotary grinding-machine. No. 1,062,094; May 20; Gaz. vol. 190; p. 598.
- Gowdy, William C., Freshfield, Alberta, Canada. Animal-trap. No. 1,055,163; Mar. 4; Gaz. vol. 188; p. 171.
- Gowen, John K., Somerville, Mass. Receptacle-closure. No. 1,075,648; Oct. 14; Gaz. vol. 195; p. 392.
- Gowey, Paul E., Seattle, Wash. Inlet-valve for flush-tanks. No. 1,063,125; May 27; Gaz. vol. 190; p. 981.
- Gowing, Albert C., and M. C. Spencer, Worcester, Mass. Loose-coupled tuning-coll. No. 1,083,085; Dec. 30; Gaz. vol. 197; p. 1212.
- Goyder, William, and N. G. Beckwith, London, England. Hydraulic press. No. 1,054,197; Feb. 25; Gaz. vol. 187; p. 917.
- Goyette, Noel J., Fall River, Mass. Rail-joint. No. 1,056,660; Mar. 18; Gaz. vol. 188; p. 748.
- Gräa, Henri E., Grenoble, France. Reinforced concrete column or pole. No. 1,071,045; Aug. 26; Gaz. vol. 193; p. 772.
- Graaff, Wilhelm, Berlin, Germany. Cooling attachment for ice-making machines. No. 1,076,760; Oct. 28; Gaz. vol. 195; p. 859.
- Graaff, Wilhelm, Berlin, Germany. Ice-making machine. No. 1,079,334; Nov. 25; Gaz. vol. 196; p. 815.
- Graaff, Wilhelm, Berlin, Germany. Ice-making machine. No. 1,082,944; Dec. 30; Gaz. vol. 197; p. 1165.
- Grabau, Hans E., New York, N. Y. Push-button electric switch. No. 1,051,219; Jan. 21; Gaz. vol. 186; p. 717.
- Grabein, Reinhold, Forst, Lusatia, Germany. Treating horsehair. No. 1,057,724; Apr. 1; Gaz. vol. 189; p. 112.
- Grabein, Reinhold, Forst, Lusatia, Germany. Thread made from horsehair and forming the thread. No. 1,057,725; Apr. 1; Gaz. vol. 189; p. 112.
- Grabein, Reinhold, Forst, Germany. Mechanism for supplying single hairs to a spinning-machine. No. 1,062,152; May 20; Gaz. vol. 190; p. 618.
- Grabenhorst, William E., Flasher, N. D. Alarm-cot. No. 1,049,850; Jan. 7; Gaz. vol. 186; p. 181.
- Grace, Henry S., San Francisco, Cal. Resilient vehicle-wheel. No. 1,072,604; Sept. 9; Gaz. vol. 194; p. 348.
- Grace, Henry S., San Francisco, Cal. Resilient vehicle-wheel. No. 1,072,605; Sept. 9; Gaz. vol. 194; p. 348.
- Gracely, Harvey T. (See King, Gracely, and Roush.)
- Gradick, Wiley, Sr., assignor of one-half to Woldert Grocery Co., Tyler, Tex. Door-operator. No. 1,071,638; Aug. 26; Gaz. vol. 193; p. 969.
- Gradick, Wiley N., assignor to Woldert Grocery Company, Tyler, Tex. Nutcracker. No. 1,061,470; May 13; Gaz. vol. 190; p. 346.
- Grady, Charles B. (See Murray and Grady.)
- Grady, Charles B., West Orange, N. J. Concrete structure. No. 1,049,702; Jan. 7; Gaz. vol. 186; p. 132.
- Grady, James, New York, assignor to The Columbia Machine Works & Malleable Iron Co., Brooklyn, N. Y. Bending-machine. No. 1,061,067; May 6; Gaz. vol. 190; p. 176.
- Grady, James, New York, assignor to Columbia Machine Works & Malleable Iron Co., Brooklyn, N. Y. Gear-case. No. 1,063,676; June 3; Gaz. vol. 191; p. 177.
- Grady, Thomas, *et al.* (See Davis, George C., assignor.)
- Graef, Joseph, *et al.* (See Linville, Robert W., assignor.)
- Graef, Mary, *et al.* (See Linville, Robert W., assignor.)
- Graefe, Paul, Mallnitz, Germany. Apparatus for separating out liquids from vapors and gases. No. 1,072,941; Sept. 9; Gaz. vol. 194; p. 469.
- Graf, Emil, Elberfeld, Germany. Loom. No. 1,061,836; May 13; Gaz. vol. 190; p. 468.
- Graf, Henry, Toledo, Ohio, assignor to American Can Company, New York, N. Y. Machine for making sheet-metal screw-caps. No. 1,070,682; Aug. 19; Gaz. vol. 193; p. 619.
- Graf, Joseph B., St. Louis, Mo. Railway-rail. No. 1,072,112; Sept. 2; Gaz. vol. 194; p. 151.
- Graffam, Walter S., Providence, R. I. Adding and recording machine. No. 1,071,311; Aug. 26; Gaz. vol. 193; p. 861.
- Graffenberger, Friedrich, assignor to A. Geo. Schulz Co., Milwaukee, Wis. Paper-box machine. No. 1,058,858; Apr. 15; Gaz. vol. 189; p. 585.
- Graffing, John D., Olivet, S. D. Gearing. No. 1,079,701; Nov. 25; Gaz. vol. 196; p. 941.
- Grager, Elmer W., Minneapolis, Minn. Car-axle journal-box with independent supporting and pulling rollers. No. 1,074,172; Sept. 30; Gaz. vol. 194; p. 981.
- Graham, Albert C., Oilfields, Cal. Well-casing perforator. No. 1,070,336; Aug. 12; Gaz. vol. 193; p. 453.
- Graham, Archibald, Jr. (See Graham, John and A., Jr.)
- Graham, Charles W., Rome, N. Y. Edge-forming mechanism for can-body blanks. No. 1,055,973; Mar. 11; Gaz. vol. 188; p. 478.
- Graham, Charles W., Rome, N. Y. Jaw-motion for can-body-forming machines. No. 1,055,974; Mar. 11; Gaz. vol. 188; p. 479.
- Graham, Charles W., Rome, N. Y. Can-body-forming machine. No. 1,063,918; June 3; Gaz. vol. 191; p. 256.
- Graham, Frank B., Kansas City, Mo. Spraying device. No. 1,075,562; Oct. 14; Gaz. vol. 195; p. 363.
- Graham, Fred S., Ellendale, N. D. Paint-brush hook. No. 1,058,578; Apr. 8; Gaz. vol. 189; p. 450.
- Graham, George L., Florence, S. C. Brake mechanism. No. 1,068,425; July 29; Gaz. vol. 192; p. 1004.
- Graham, George M., assignor to G. M. System Co., Chicago, Ill. Reinforced-concrete floor. No. 1,075,251; Oct. 7; Gaz. vol. 195; p. 228.

Alphabetical list of patentees—Continued.

- Graham, George M., assignor to G. M. System Co., Chicago, Ill. Reinforced-concrete floor. No. 1,075,252; Oct. 7; Gaz. vol. 195; p. 229.
- Graham, George N., New York, N. Y. Steam-trap. No. 1,074,048; Sept. 23; Gaz. vol. 194; p. 910.
- Graham, Hattie B. (See Graham, William R., assignor.)
- Graham, Henry, and C. E. Lepaige, New York, N. Y., assignors to The G. & L. Mfg. Co. Window-sash lock. No. 1,059,727; Apr. 22; Gaz. vol. 189; p. 918.
- Graham, Irving M., Candia, N. H. Poultry-feeding device. No. 1,080,436; Dec. 2; Gaz. vol. 197; p. 183.
- Graham, James H., assignor to The Standard Company, Torrington, Conn. Safety set-screw. No. 1,082,945; Dec. 30; Gaz. vol. 197; p. 1166.
- Graham, James J., Jacksonville, Fla. Sanitary closet. No. 1,062,453; May 20; Gaz. vol. 190; p. 718.
- Graham, John and A., Jr., Glasgow, Scotland. Reducing-valve. No. 1,082,321; Dec. 23; Gaz. vol. 197; p. 918.
- Graham, John E., Battersea Park, and G. Wallace, London, England. Resilient wheel for motor-cars and the like. No. 1,078,430; Nov. 11; Gaz. vol. 196; p. 443.
- Graham, John K., and G. A. Rasmussen, Roanoke, Va. Spacing device for punching, riveting, shearing, and other machines. No. 1,081,826; Dec. 16; Gaz. vol. 197; p. 719.
- Graham, John T., Belfry, Mont. Grain-bin. No. 1,065,237; June 17; Gaz. vol. 191; p. 769.
- Graham, Perry, and G. W. Shay; said Graham assignor to C. W. Wright, Blaine, Wash. Stamping-hammer. No. 1,064,207; June 10; Gaz. vol. 191; p. 391.
- Graham, Robert S., and R. P. Morse, assignors of one-third to W. E. Graham, New York, N. Y. Cushion-heel. No. 1,060,751; May 6; Gaz. vol. 190; p. 64.
- Graham, Robert W., York, Pa. Convertible waistband-closure. No. 1,054,686; Mar. 4; Gaz. vol. 188; p. 11.
- Graham, Walter E., Philadelphia, Pa. Lawn-mower handle. No. 1,067,020; July 8; Gaz. vol. 192; p. 415.
- Graham, Walter E., Philadelphia, Pa. Lawn-mower. No. 1,067,244; July 15; Gaz. vol. 192; p. 528.
- Graham, William E. (See Graham and Morse, assignors.)
- Graham, William F., Newark, N. J. Clasp. No. 1,056,020; Mar. 18; Gaz. vol. 188; p. 529.
- Graham, William R., assignor to H. B. Graham, Washington, D. C. Amusement device. No. 1,077,340; Nov. 4; Gaz. vol. 196; p. 35.
- Graham, William S., assignor to Parlin and Orendorff Company, Canton, Ill. Cultivator. No. 1,057,143; Mar. 25; Gaz. vol. 188; p. 945.
- Graham, William S., assignor to Parlin and Orendorff Company, Canton, Ill. Corn-planter. No. 1,066,601; July 8; Gaz. vol. 192; p. 273.
- Graham, William S., assignor to Parlin and Orendorff Company, Canton, Ill. Gang-plow. No. 1,068,761; July 29; Gaz. vol. 192; p. 1119.
- Graham-Woodward, Robert. (See Liner and Graham-Woodward.)
- Grabl, Gustav de, Zehlendorf, near Berlin, Germany. Boiler-furnace. No. 1,050,940; Jan. 21; Gaz. vol. 186; p. 624.
- Grabl, Gustav de, Zehlendorf, near Berlin, Germany. Fire-door of boiler-furnaces. No. 1,051,220; Jan. 21; Gaz. vol. 186; p. 718.
- Grabl, Gustav de, Zehlendorf, near Berlin, Germany. Apparatus for controlling the artificial blast in locomotives. No. 1,061,668; May 13; Gaz. vol. 190; p. 417.
- Grabl, Gustav de, Zehlendorf, near Berlin, Germany. Apparatus for controlling the artificial blast in locomotives. No. 1,063,430; June 3; Gaz. vol. 191; p. 88.
- Grabl, Gustav de, Zehlendorf, near Berlin, Germany. Means for adjusting the doors of boiler-furnaces. No. 1,067,422; July 15; Gaz. vol. 192; p. 590.
- Grabl, Gustav de, Zehlendorf, near Berlin, Germany. Boiler-furnace. No. 1,073,039; Sept. 9; Gaz. vol. 194; p. 502.
- Grabl, Gustav de, Zehlendorf, near Berlin, Germany. Apparatus for automatically regulating the draft in boiler-furnaces. No. 1,079,853; Nov. 25; Gaz. vol. 196; p. 995.
- Grahn, Henry. (See Marten, Grahn, and Andresen.)
- Grain, Jean J., New York, N. Y. Control and pay system. No. 1,054,198; Feb. 25; Gaz. vol. 187; p. 917.
- Gräler, Karl P. (See Flachslaender, Gräler, and Buff.)
- Graley, Morton A., Queen City, Tex. Traction-wheel and means for driving same. No. 1,059,147; Apr. 15; Gaz. vol. 189; p. 686.
- Gramacki, Walter, Chicago, Ill. Hat-pin-point protector. No. 1,074,357; Sept. 30; Gaz. vol. 194; p. 1042.
- Gramling, Alajos, Borssebes, Austria-Hungary. Safety transport device for mountain-railways. No. 1,062,454; May 20; Gaz. vol. 190; p. 718.
- Gramont Traction Plow Company. (See Montanus and Grant, assignors.)
- Grand Rapids Band Instrument Company. (See Conrad and Shepherd, assignors.)
- Grand Rapids Show Case Company. (See Dodge, Freeman, and Vanderveld, assignors.) (Reissue.)
- Grandits, John, Chicago, Ill. Door-lock. No. 1,081,036; Dec. 9; Gaz. vol. 197; p. 417.
- Grandjean, Arthur, San Diego, Cal. Valve for automatic hydraulic air-compressor-operating systems. No. 1,065,042; June 17; Gaz. vol. 191; p. 704.
- Graney, Michael C., Hoosick Falls, N. Y. Grain-lifting attachment for harvesters. No. 1,073,979; Sept. 23; Gaz. vol. 194; p. 888.
- Grange, Francois. (See Borel and Grange.)
- Granger, Arthur O. (See Herzog, Joseph, assignor.)
- Granger, Frank E., assignor to Hall-Borchert Dress Form Co., New York, N. Y. Dress-form. No. 1,065,443; June 24; Gaz. vol. 191; p. 877.
- Granger, Lewellen, et al. (See Tibbs, Angus, assignor.)
- Granger, Lewis C. (See Brown and Granger.)
- Granger, William L., Watsonville, Cal. Brake and attachment. No. 1,080,213; Dec. 2; Gaz. vol. 197; p. 103.
- Granjon, Pascal J., Marseille, France. Composition for purifying gases. No. 1,074,501; Sept. 30; Gaz. vol. 194; p. 1088.
- Grann, Henry W., Bedford Hills, N. Y. Spraying-nozzle. No. 1,081,667; Dec. 16; Gaz. vol. 197; p. 664.
- Granstrom, Andrew, San Pedro, Cal. Coat. No. 1,083,209; Dec. 30; Gaz. vol. 197; p. 1249.
- Grant, Arthur W. (See Montanus and Grant.)
- Grant, Bert, and C. E. Slomke, Boisevain, Manitoba, Canada. Furnace-door. No. 1,055,629; Mar. 11; Gaz. vol. 188; p. 362.
- Grant, Burt E., assignor of one-half to E. R. Boynton, Kansas City, Kans. Concrete-mold. No. 1,077,702; Nov. 4; Gaz. vol. 196; p. 157.
- Grant, Charles L., Merchantville, N. J. Nest-trap. No. 1,081,605; Dec. 16; Gaz. vol. 197; p. 645.
- Grant, Daniel H., deceased; L. E. Grant, administratrix, assignor to J. K. Grant, Mounds, Okla. Railway-tie. No. 1,058,297; Apr. 8; Gaz. vol. 189; p. 354.
- Gray, David E., White Plains, N. Y. Shuttle and picker-stick check. No. 1,062,395; May 20; Gaz. vol. 190; p. 700.
- Grant, Frank H., Detroit, Mich. Shingle. No. 1,076,111; Oct. 21; Gaz. vol. 195; p. 579.
- Grant, George L. (See Mullally and Grant.)
- Grant, George W., Bucyrus, assignor to The Columbus Dental Manufacturing Company, Columbus, Ohio. Dental pliers. No. 1,058,745; Apr. 15; Gaz. vol. 189; p. 545.
- Grant, Henry J., Valdosta, Ga. Stamping-machine. No. 1,082,023; Dec. 23; Gaz. vol. 197; p. 814.
- Grant, James K. (See Grant, Daniel H., assignor.)
- Grant, James K., Mounds, Okla., assignor to The Texas Steel Tie Company, Denison, Tex. Railway-tie. No. 1,077,341; Nov. 4; Gaz. vol. 196; p. 35.
- Grant, Jesse R., Kokomo, Ind. Egg-tester. No. 1,055,900; Mar. 11; Gaz. vol. 188; p. 454.
- Grant, John C., London, England. Type casting and composing machine. No. 1,054,838; Mar. 4; Gaz. vol. 188; p. 64.
- Grant, John E., Battersea, London, assignor to Morgan Crucible Company, Limited, London, England. Brush-holder for dynamo-electric generators or electric motors. No. 1,068,335; July 22; Gaz. vol. 192; p. 935.
- Grant, John J., assignor of one-half to A. E. Merkel, Cleveland, Ohio. Gearing. No. 1,053,984; Feb. 25; Gaz. vol. 187; p. 844.
- Grant, John Q., Denver, Colo. Pin-pulling machine for use in forging the shank ends of drill-steel. No. 1,065,125; June 17; Gaz. vol. 191; p. 732.
- Grant, Joseph A., et al. (See Turner, William P., assignor.)
- Grant, Lydia E., administratrix. (See Grant, Daniel H.)
- Grant, Powell M., Bloomville, N. Y. Manger. No. 1,063,919; June 3; Gaz. vol. 191; p. 257.
- Grant, Richard F. (See Wetherbee, Herbert E., assignor.)
- Grant, Richard F., and H. E. Wetherbee, assignors of one-third to H. M. Hanna, Jr., Cleveland, Ohio. Flexible coupling for driving-wheels. No. 1,057,822; Apr. 1; Gaz. vol. 189; p. 147.
- Grant, Richard F., and H. E. Wetherbee, assignors of one-third to H. M. Hanna, Jr., Cleveland, Ohio. Vehicle spring suspension. No. 1,071,517; Aug. 26; Gaz. vol. 193; p. 928.
- Grant, Ulysses R. (See Pickles, Charles K., assignor.)
- Grantham, Jesse G., Jacksonville, Ill. Poison-indicating bottle. No. 1,055,268; Mar. 4; Gaz. vol. 188; p. 204.
- Grantland, John W., Cincinnati, Ohio. Injector. No. 1,073,602; Sept. 23; Gaz. vol. 194; p. 757.
- Grantzow, Emil, Dresden, Germany. Automatic pencil-sharpener. No. 1,075,971; Oct. 14; Gaz. vol. 195; p. 502.
- Graphite Lubricating Company. (See Bache, Leigh S., assignor.)
- Graphite Lubricating Company, The. (See Romano, Nicholas, assignor.)
- Grass, Henry A., assignor of forty one-hundredths to L. J. Mitchell, Chicago, Ill. Massage instrument. No. 1,058,173; Apr. 8; Gaz. vol. 189; p. 312.
- Grasser, William H., Clarkston, Wash. Insect-trap. No. 1,079,170; Nov. 18; Gaz. vol. 196; p. 730.
- Gratigny, Ralph K., Edgewater, N. J. Vehicle-wheel. No. 1,079,644; Nov. 25; Gaz. vol. 196; p. 921.
- Gratz, Norman, Boise, Idaho. Cushion-tired wheel. No. 1,056,167; Mar. 18; Gaz. vol. 188; p. 579.
- Grauenfels, David. (See Grauenfels, Wilhelm, J. H., and D.)

Alphabetical list of patentees—Continued.

- Grauenfels, Josef H. (See Grauenfels, Wilhelm, J. H., and D.)
- Grauenfels, Wilhelm and J. H., Bucharest, Roumania, and D. Grauenfels, Brassó, Austria-Hungary. Grain-sampler. No. 1,078,847; Nov. 18; Gaz. vol. 196; p. 617.
- Grauer, Robert, assignor to one-half to A. C. Harper, Los Angeles, Cal. Beet topper and loader. No. 1,057,636; Apr. 1; Gaz. vol. 189; p. 81.
- Graul, Philip J., Mascoutah, Ill. Stalk-cutter. No. 1,055,901; Mar. 11; Gaz. vol. 188; p. 455.
- Gravell, James H., assignor to Hale and Kilburn Company, Philadelphia, Pa. Welding-machine. No. 1,066,726; July 8; Gaz. vol. 192; p. 318.
- Gravell, James H., assignor to Hale and Kilburn Company, Philadelphia, Pa. Welding-machine. No. 1,067,478; July 15; Gaz. vol. 192; p. 609.
- Gravell, James H., assignor to Hale and Kilburn Company, Philadelphia, Pa. Welding-machine. No. 1,075,209; Oct. 7; Gaz. vol. 195; p. 214.
- Gravert, Peter. (See Prugh, Walter B., assignor.)
- Graves, Cornelius W., Petersburg, Va. Game. No. 1,069,248; Aug. 5; Gaz. vol. 193; p. 57.
- Graves, Emery, Syracuse, N. Y. Non-refillable bottle. No. 1,064,638; June 10; Gaz. vol. 191; p. 537.
- Graves, Emery C., Geneseo, Ill. Vehicle-wheel. No. 1,068,582; July 29; Gaz. vol. 192; p. 1057.
- Graves, Ernest W., assignor to Graves and Graves Company, Boston, Mass. Apparatus for tapping rubber trees. No. 1,068,497; July 29; Gaz. vol. 192; p. 1028.
- Graves, Frank J., Springfield, Mass. Sanitary water-closet. No. 1,063,431; June 3; Gaz. vol. 191; p. 88.
- Graves, George A., La Grange, Ill. Coin-controlled telephone system. No. 1,056,021; Mar. 18; Gaz. vol. 188; p. 530.
- Graves and Graves Company. (See Graves, Ernest W., assignor.)
- Graves, James M., Burleson, Tex. Lifting-jack. No. 1,060,337; Apr. 29; Gaz. vol. 189; p. 1167.
- Graves, Joseph A., Philadelphia, Pa. Fastener. No. 1,058,746; Apr. 15; Gaz. vol. 189; p. 546.
- Graves, Martin L. (See Mattingly and Graves.)
- Graves, Martin M., Louisville, Ky. Splice-bar and tie-plate. No. 1,066,408; July 1; Gaz. vol. 192; p. 175.
- Graves, Oriel M., Odessa, Wash. Flaked cereal and preparing same. No. 1,060,449; Apr. 29; Gaz. vol. 189; p. 1206.
- Graves, Richmond L. (See Hardwick, William A., assignor.)
- Graves Supply Co., The. (See Mersfelder, William L., assignor.)
- Gravity Coal Bin Company. (See Otis, Spencer, assignor.)
- Gravity Conveyor Company. (See Schwab, Martin C., assignor.)
- Gray, Alexander M., Milwaukee, Wis., assignor to Allis-Chalmers Company. Induction-motor. No. 1,049,703; Jan. 7; Gaz. vol. 186; p. 132.
- Gray, Alfred, New York, N. Y. Cigar lighter and cutter. No. 1,075,098; Oct. 7; Gaz. vol. 195; p. 175.
- Gray, Almon J., St. Paul, Minn. Doubletree. No. 1,055,269; Mar. 4; Gaz. vol. 188; p. 204.
- Gray, Charles, North Tarrytown, N. Y. Attachment for cooking utensils. No. 1,065,867; June 24; Gaz. vol. 191; p. 1020.
- Gray, Charles F., Sierra Madre, Cal., assignor to The Singer Manufacturing Company. Overseaming sewing-machine. No. 1,050,359; Jan. 14; Gaz. vol. 186; p. 387.
- Gray, Charles R., Sakonnet Point, R. I. Rail-joint. No. 1,056,661; Mar. 18; Gaz. vol. 188; p. 748.
- Gray, Chester E., Eureka, and A. Jensen, Oakland, Cal. Apparatus for desiccating liquids. No. 1,078,848; Nov. 18; Gaz. vol. 196; p. 617.
- Gray, Edward, assignor to Riverside Engine Company, Oil City, Pa. Gas-engine. No. 1,065,311; June 17; Gaz. vol. 191; p. 794.
- Gray, Edwin T., New York, and J. J. Dauler, Brooklyn, N. Y. Tag. No. 1,053,380; Feb. 18; Gaz. vol. 187; p. 602.
- Gray, Elmer O., Colebrook, N. H. Stop mechanism for locomotives. No. 1,066,409; July 1; Gaz. vol. 192; p. 175.
- Gray Engine Starter Company. (See Gray, Thomas J., assignor.)
- Gray, Grant L., New York, N. Y. Ice-cutting device. No. 1,058,363; Apr. 8; Gaz. vol. 189; p. 378.
- Gray, Isaac C., Logansport, assignor to one-third to J. O. Gillenwater, Peru, and one-third to J. E. Ludders, Logansport, Ind. Window-shade holder and curtain-pole support. No. 1,083,010; Dec. 30; Gaz. vol. 197; p. 1188.
- Gray, James H., New York, N. Y., and M. A. Neeland, Montclair, N. J. Regulation of regenerative furnaces. No. 1,054,643; Feb. 25; Gaz. vol. 187; p. 1069.
- Gray, John, Central Falls, R. I. Merchandise-display rack. No. 1,078,728; Nov. 18; Gaz. vol. 196; p. 576.
- Gray, John O. and W. D., Pretty Prairie, Kans. Water-supply system. No. 1,070,246; Aug. 12; Gaz. vol. 193; p. 428.
- Gray, Joseph A., Norwalk, Conn. Spring and pneumatic wheel. No. 1,080,106; Dec. 2; Gaz. vol. 197; p. 66.
- Gray, Lawrence B., Boston, Mass., assignor to Hydraulic Vacuum Dredging Company, Wilmington, Del. Apparatus for collecting precious metals. No. 1,056,662; Mar. 18; Gaz. vol. 188; p. 748.
- Gray, Lawrence B., Boston, Mass., assignor to Hydraulic Vacuum Dredging Company, Wilmington, Del. Apparatus for collecting precious metals. No. 1,056,663; Mar. 18; Gaz. vol. 188; p. 749.
- Gray, Lawrence B., Boston, Mass., assignor to Hydraulic Vacuum Dredging Company, Wilmington, Del. Valve. No. 1,076,281; Oct. 21; Gaz. vol. 195; p. 636.
- Gray, Lawrence B., Boston, Mass., assignor to Hydraulic Vacuum Dredging Company, Wilmington, Del. Vacuum-dredger. No. 1,078,542; Nov. 11; Gaz. vol. 196; p. 479.
- Gray National Telautograph Company, The. (See Armstrong, Ralph W., assignor.)
- Gray, Niel, Jr., Oswego, N. Y. Paper-cutting machine. No. 1,058,964; Apr. 15; Gaz. vol. 189; p. 623.
- Gray, Norman C., Chicago, Ill. Chart. No. 1,058,859; Apr. 15; Gaz. vol. 189; p. 585.
- Gray, Palmer, Jeffersonville, Ind. Casting-gun. No. 1,054,916; Mar. 4; Gaz. vol. 188; p. 90.
- Gray, Ralph B. and W. B., Chicago, Ill. Resilient wheel. No. 1,080,909; Dec. 9; Gaz. vol. 197; p. 376.
- Gray, Randolph W., Madison, Fla. Fence-post. No. 1,069,939; Aug. 12; Gaz. vol. 193; p. 322.
- Gray, Robert D., Ridgewood, N. J. Lens system. No. 1,053,128; Feb. 11; Gaz. vol. 187; p. 472.
- Gray, Ross E., assignor to one-half to W. F. Roberts and A. C. Clark, Washington, D. C. Engraving-machine. No. 1,069,652; Aug. 5; Gaz. vol. 193; p. 193.
- Gray Telephone Pay Station Company, The. (See Long, George A., assignor.)
- Gray, Thomas J., Chicago, Ill. Fluid-motor. No. 1,065,604; June 24; Gaz. vol. 191; p. 932.
- Gray, Thomas J., assignor to Gray Engine Starter Company, Indianapolis, Ind. Engine-starter. No. 1,081,268; Dec. 9; Gaz. vol. 197; p. 495.
- Gray, Thomas J., assignor to one-half to R. C. Light, one-eighth to H. N. Spaan, and one-eighth to W. Bosson, Indianapolis, Ind. Gearing. No. 1,053,909; Feb. 18; Gaz. vol. 187; p. 781.
- Gray, Thomas L., San Francisco, Cal. Gradometer. No. 1,052,050; Feb. 4; Gaz. vol. 187; p. 71.
- Gray, W. R. (See Davis, Lawrence C., assignor.)
- Gray, William A. (See Collins, William L., assignor.)
- Gray, William B. (See Gray, Ralph B. and W. B.)
- Gray, William B., assignor to M. J. Bannon, Louisville, Ky. Pipe-support. No. 1,079,758; Nov. 25; Gaz. vol. 196; p. 962.
- Gray, William B., assignor to M. J. Bannon, Louisville, Ky. Pipe-support. No. 1,079,759; Nov. 25; Gaz. vol. 196; p. 963.
- Gray, William D., and J. G. Hintz, Jr., Milwaukee, Wis., assignors, by mesne assignments, to Allis-Chalmers Manufacturing Company. Bolting, sifting, and grading machine. No. 1,078,917; Nov. 18; Gaz. vol. 196; p. 641.
- Gray, William M., Ord, Nebr. Door and securing means therefor. No. 1,056,168; Mar. 18; Gaz. vol. 188; p. 580.
- Gray, William P., and J. H. Duncan, Campbellton, New Brunswick, Canada. Knife and scissors sharpener. No. 1,081,606; Dec. 16; Gaz. vol. 197; p. 645.
- Gray, Willis R., Oakton, Va. Silencer for firearms. No. 1,066,898; July 8; Gaz. vol. 192; p. 375.
- Gray, Willson D. (See Gray, John O. and W. D.)
- Graybill, Henry C., and A. C. Ergler, Altoona, Pa. Face-mask. No. 1,077,272; Nov. 4; Gaz. vol. 196; p. 10.
- Graybill, John M., Gary, Ind. Sash-weight. No. 1,061,742; May 13; Gaz. vol. 190; p. 442.
- Grayson, Stacy E., et al. (See Elliott, Thomas, assignor.)
- Grearson, Frederick A. (See Thompson and Gearson.)
- Grearson, Frederick A., Barre, Vt. Toaster. No. 1,075,144; Oct. 7; Gaz. vol. 195; p. 191.
- Grearson, Warren V. (See Boucher, Oliver E., assignor.)
- Great Northern Paper Company. (See Schenck, Garret, Jr., assignor.)
- Great Western Sugar Company, The. (See Crane, Frank, assignor.)
- Greathead, Frederick C., Denver, Colo. Telescoping pocket-rule. No. 1,050,733; Jan. 14; Gaz. vol. 186; p. 514.
- Greathouse, David G. (See Greathouse, Ira L., assignor.)
- Greathouse, Ira L., assignor to one-half to D. G. Greathouse, Stonington, Colo. Oil-burner. No. 1,056,534; Mar. 18; Gaz. vol. 188; p. 707.
- Greator, William H., London, England. Stop-valve for steam and other fluids. No. 1,067,604; July 15; Gaz. vol. 192; p. 651.
- Greaves, Klusman and Company. (See Greaves, William A., assignor.)
- Greaves, Walter A., Stafford Springs, Conn. Center-shaft head. No. 1,063,790; June 3; Gaz. vol. 191; p. 215.
- Greaves, William A., assignor to Greaves, Klusman and Company, Cincinnati, Ohio. Gearing. No. 1,052,242; Feb. 4; Gaz. vol. 187; p. 138.
- Grebel, Paul J., Chicago, Ill. Tap. No. 1,059,453; Apr. 22; Gaz. vol. 189; p. 828.
- Greco, Vincent, New York, N. Y. Food-powder. No. 1,071,312; Aug. 26; Gaz. vol. 193; p. 862.
- Greemann, Harvey W. (See Bower and Greemann.)

Alphabetical list of patentees—Continued.

- Green, Alfred R., Ensley, Ala. Gate-latch. No. 1,060,546; Apr. 29; Gaz. vol. 189; p. 1240.
- Green, Andrew L., Americus, Ga. Boat-propeller. No. 1,054,531; Feb. 25; Gaz. vol. 187; p. 1030.
- Green, Augustus, Greer, S. C. Life-saving apparatus. No. 1,054,532; Feb. 25; Gaz. vol. 187; p. 1030.
- Green, Benjamin H., Kansas City, Mo. Pallet-stone-setting tool. No. 1,063,534; June 3; Gaz. vol. 191; p. 122.
- Green, Carl, Logansport, Ind. Moving-picture machine. No. 1,057,234; Mar. 25; Gaz. vol. 188; p. 976.
- Green, Charles F. (See Kehoe and Green.)
- Green, Charles W. (See Werner and Green.)
- Green, Charles W., Cameron, N. Y. Machine for upsetting vehicle-axes. No. 1,080,338; Dec. 2; Gaz. vol. 197; p. 147.
- Green, Clarence S., and A. Connors, Maricopa, Cal. Vehicle-spring. No. 1,066,602; July 8; Gaz. vol. 192; p. 273.
- Green, Dallas F., Fort Wayne, Ind. Lens-mounting. No. 1,057,542; Apr. 1; Gaz. vol. 189; p. 50.
- Green, Dallas F., Fort Wayne, Ind. Spring-driven device. No. 1,057,543; Apr. 1; Gaz. vol. 189; p. 50.
- Green, Edward D., Chicago, Ill. Flying-machine. No. 1,063,432; June 3; Gaz. vol. 191; p. 89.
- Green, Ellis, assignor of one-half to T. F. Worth, Los Angeles, Cal. Automatic chain tongs. No. 1,071,908; Sept. 2; Gaz. vol. 194; p. 83.
- Green, Euros W., Ridgefield, Wash. Cultivator. No. 1,079,854; Nov. 25; Gaz. vol. 196; p. 996.
- Green, Frank C., Pittsfield, Mass., assignor to General Electric Company. Oil-cooled transformer. No. 1,078,141; Nov. 11; Gaz. vol. 196; p. 340.
- Green, Frederick D., Corinth, Miss. Variable-speed gearing. No. 1,081,954; Dec. 23; Gaz. vol. 197; p. 789.
- Green, Frederick M., Berkeley, Cal. Sash-weight. No. 1,082,192; Dec. 23; Gaz. vol. 197; p. 871.
- Green, Fulton A., Kittanning, Pa. Shock-absorber. No. 1,055,164; Mar. 4; Gaz. vol. 188; p. 171.
- Green, Furney F., Coalgate, Okla. Metallic railway-tie. No. 1,050,271; Jan. 14; Gaz. vol. 186; p. 357.
- Green, Furney F., Coalgate, Okla. Railway-tie. No. 1,069,779; Aug. 12; Gaz. vol. 193; p. 267.
- Green, George B. and W. Morgan, Minn. Concrete-mixer. No. 1,070,798; Aug. 19; Gaz. vol. 193; p. 657.
- Green, George G., Battelle, Ala. Hand-power hay-baler. No. 1,049,704; Jan. 7; Gaz. vol. 186; p. 132.
- Green, Harry B., Woodbury, assignor to The Speed Press Co., Camden, N. J. Feed for printing-presses. No. 1,068,891; July 29; Gaz. vol. 192; p. 1167.
- Green, Henry, Hartford, Conn. Vacuum-tube. No. 1,068,426; July 29; Gaz. vol. 192; p. 1004.
- Green, Herman G., *et al.* (See Fair, John H., assignor.)
- Green & Hopson. (See Marx, Henry J., assignor.)
- Green, Ira J., Hoskins, Oreg. Device for holding vine-supports. No. 1,060,593; May 6; Gaz. vol. 190; p. 10.
- Green, Isidor, *et al.* (See Saltman, Philip, assignor.)
- Green, J. Rush. (See O'Brien, Edward F., assignor.)
- Green, J. Rush. (See Perkins, Henry W., assignor.)
- Green, James A., Dolgeville, N. Y., assignor to Daniel Green Felt Shoe Company, Boston, Mass. Making felt shoes. No. 1,081,955; Dec. 23; Gaz. vol. 197; p. 790.
- Green, James A., Dolgeville, N. Y., assignor to Daniel Green Felt Shoe Company, Boston, Mass. Making felt shoes. No. 1,081,956; Dec. 23; Gaz. vol. 197; p. 790.
- Green, Job E., *et al.* (See Griffith, Jesse E., assignor.)
- Green, John F., Boston, Mass. Stretching device. No. 1,072,329; Sept. 2; Gaz. vol. 194; p. 222.
- Green, John L., assignor to Laclede-Christy Clay Products Company, St. Louis, Mo. Manufacturing pots for melting glass. No. 1,057,544; Apr. 1; Gaz. vol. 189; p. 50.
- Green, John W., Brooklet, Ga. Stalk-cutter. No. 1,059,357; Apr. 22; Gaz. vol. 189; p. 794.
- Green, Leroy M., Portland, Oreg. Folding crate. No. 1,081,957; Dec. 23; Gaz. vol. 197; p. 791.
- Green, Mearle J., *et al.* (See Stillings, Franklin E., assignor.)
- Green, Michael B., Memphis, Tenn. Compression-box. No. 1,061,837; May 13; Gaz. vol. 190; p. 468.
- Green, Michael B., Memphis, Tenn. Oil-press. No. 1,081,905; Dec. 16; Gaz. vol. 197; p. 744.
- Green, Michael J., assignor to Eclipse Gas Stove Company, Rockford, Ill. Gas heating appliance. No. 1,074,789; Oct. 7; Gaz. vol. 195; p. 69.
- Green, Morgan A., Payette, Idaho. Sheet-piling guard. No. 1,070,886; Aug. 19; Gaz. vol. 193; p. 635.
- Green, Oscar E., Baltimore, Md. Box. No. 1,069,940; Aug. 12; Gaz. vol. 193; p. 323.
- Green, Randall E., assignor of one-half to H. Cummings, Fairfield, Iowa. Latch. No. 1,050,941; Jan. 21; Gaz. vol. 186; p. 624.
- Green, Richard R., Lamy, N. Mex. Mail-crane safety appliance. No. 1,059,454; Apr. 22; Gaz. vol. 189; p. 828.
- Green, Sven E., Bristol, Conn. Tool-holder. No. 1,075,253; Oct. 7; Gaz. vol. 195; p. 229.
- Green, T. F., *et al.* (See Allard, Andrew J., assignor.)
- Green, Thomas L. (See Hanson and Green.)
- Green, Walter R., Chicago, Ill. Protective casing for tires. No. 1,068,892; July 29; Gaz. vol. 192; p. 1167.
- Green, Walter R., Chicago, Ill. Sheet-metal-forming machine. No. 1,068,893; July 29; Gaz. vol. 192; p. 1168.
- Green, William. (See Fairburn, Cruser, and Green.) (Reissue.)
- Green, William. (See Green, George B. and W.)
- Green, William, Holly, Mich. Stool for holding traps. No. 1,083,086; Dec. 30; Gaz. vol. 197; p. 1213.
- Green, William F., and L. C. Gates, Modesto, Cal. Air-admission regulator. No. 1,070,449; Aug. 19; Gaz. vol. 193; p. 539.
- Greenberg, Benjamin. (See Greenberg, Moses and B.)
- Greenberg, David, Passaic, N. J., J. Markewich and J. H. Brown, New York, N. Y. Apparatus for advertising purposes. No. 1,057,726; Apr. 1; Gaz. vol. 189; p. 112.
- Greenberg, George G., Chicago, Ill. Vehicle-lamp. No. 1,065,444; June 24; Gaz. vol. 191; p. 878.
- Greenberg, Louis, *et al.* (See Saltman, Philip, assignor.)
- Greenberg, Moses and B., New York, N. Y. Watering-trough. No. 1,080,107; Dec. 2; Gaz. vol. 197; p. 67.
- Greenberg, Samuel E., Chicago, Ill. Door-securing device. No. 1,062,965; May 27; Gaz. vol. 190; p. 929.
- Greene, Addison. (See McCanna and Greene.)
- Greene, Albert E., Chicago, Ill. Electric furnace. No. 1,078,619; Nov. 18; Gaz. vol. 196; p. 536.
- Greene, Albert E., Chicago, Ill., assignor to American Electric Smelting and Engineering Company, St. Louis, Mo. Desulfurizing ores and metals. No. 1,056,900; Mar. 25; Gaz. vol. 188; p. 861.
- Greene, Albert E., Chicago, Ill., assignor to American Electric Smelting and Engineering Company, St. Louis, Mo. Making manganese steel. No. 1,060,078; Apr. 29; Gaz. vol. 189; p. 1077.
- Greene, Albert E., Chicago, Ill., assignor to American Electric Smelting and Engineering Company, St. Louis, Mo. Removing sulfur and phosphorus from iron and similar metals. No. 1,065,605; June 24; Gaz. vol. 191; p. 933.
- Greene, Albert E., Chicago, Ill., assignor to American Electric Smelting and Engineering Company, St. Louis, Mo. Electric furnace. No. 1,070,337; Aug. 12; Gaz. vol. 193; p. 459.
- Greene, Alfred J., Monrovia, Md. Marker for corn-planters. No. 1,072,447; Sept. 9; Gaz. vol. 194; p. 293.
- Greene, Benjamin F., Sheridan, Pa. Bottle-capping machine. No. 1,057,235; Mar. 25; Gaz. vol. 188; p. 977.
- Greene, Frank C. (See Greene and Chinnock, assignors.)
- Greene, Frank C., Cleveland, Ohio. Automatic transfer-dump. No. 1,065,325; June 17; Gaz. vol. 191; p. 799.
- Greene, Frederick R. (See Fournia, John, assignor.)
- Greene, George, *et al.* (See Roberts, Henry P., assignor.)
- Greene, George S., *et al.* (See Inrig, Gavan and L., assignors.)
- Greene, George S., St. Clairsville, Ohio. Mine-car bumper. No. 1,066,603; July 8; Gaz. vol. 192; p. 274.
- Greene, Harry S., Woonsocket, R. I. Cotton-harvester. No. 1,057,236; Mar. 25; Gaz. vol. 188; p. 977.
- Greene, Harvey, Pittsburgh, Pa. Adjustable receptacle for window-sills. No. 1,069,411; Aug. 5; Gaz. vol. 193; p. 114.
- Greene, Harvey, Pittsburgh, Pa. Removable window-box. No. 1,069,412; Aug. 5; Gaz. vol. 193; p. 114.
- Greene, Jacob W., Chillicothe, Mo. Mold for making dental plates. No. 1,077,703; Nov. 4; Gaz. vol. 196; p. 158.
- Greene, John, Salt Lake City, Utah. Game. No. 1,061,173; May 6; Gaz. vol. 190; p. 209.
- Greene, John, and W. G. Sadleir, Salt Lake City, Utah. Time-controlled gang-switch. No. 1,066,204; July 1; Gaz. vol. 192; p. 107.
- Greene, John M. (See Purcell, Oren M., assignor.)
- Greene, Oscar V., and J. E. Chinnock, assignors to F. C. Greene, Cleveland, Ohio. Crossover-dump. No. 1,067,730; July 15; Gaz. vol. 192; p. 694.
- Greene, Samuel W., East Greenwich, R. I. Respirator. No. 1,056,988; Mar. 25; Gaz. vol. 188; p. 891.
- Greene, Samuel W., East Greenwich, R. I. Drinking device. No. 1,079,596; Nov. 25; Gaz. vol. 196; p. 906.
- Greene, William F., Huntingdon, Pa. Safety device for railway-trains. No. 1,064,142; June 10; Gaz. vol. 191; p. 368.
- Greenebaum, Abraham H., assignor to Alma Manufacturing Company of Baltimore City, Baltimore, Md. Sliding-tongue box-buckle. No. 1,072,714; Sept. 9; Gaz. vol. 194; p. 385.
- Greenen, Charles P. (See Arnold, Abraham A., assignor.)
- Greenfield, Michael, New York, N. Y. Belt-buckle. No. 1,051,731; Jan. 28; Gaz. vol. 186; p. 923.
- Greenfield, William J., Waterford, Ireland. Stowing and lowering and raising ships' boats. No. 1,059,148; Apr. 15; Gaz. vol. 189; p. 686.
- Greenfield, William R., Verona, assignor to Van Orden Corset Company, Newark, N. J. Corset. No. 1,062,276; May 20; Gaz. vol. 190; p. 660.
- Greengard, Morris D., New York, N. Y. Metal-filament incandescent lamp. No. 1,082,587; Dec. 30; Gaz. vol. 197; p. 1041.
- Greenhalgh, Harry. (See Greenhalgh, John H. and H.)
- Greenhalgh, John H., Woonsocket, R. I., and H. Greenhalgh, Blackstone, Mass. Let-off mechanism for looms. No. 1,062,455; May 20; Gaz. vol. 190; p. 719.

Alphabetical list of patentees—Continued.

- Greenhut, Morris E., Hartford, Conn. Combination-tool. No. 1,058,049; Apr. 8; Gaz. vol. 189; p. 267.
- Greenidge, Samuel M., and A. Y. Wright, Douglas, Ariz. Door-stop. No. 1,059,865; Apr. 22; Gaz. vol. 189; p. 961.
- Greenidge, Vivian, Newton Highlands, Mass. Screw-hinge. No. 1,060,678; May 6; Gaz. vol. 190; p. 39.
- Greening Nursery Company, The. (See Romine, John W., assignor.)
- Greenlaw Manufacturing Co., The. (See Greenlaw, Warren A., assignor.)
- Greenlaw, Warren A., Melrose, assignor to The Greenlaw Manufacturing Co., Boston, Mass. Locking device for train-pipe couplings. No. 1,053,910; Feb. 13; Gaz. vol. 187; p. 782.
- Greenleaf, Clifford A. (See Sharp, John, assignor.)
- Greenleaf, Louis A. (See Dudley and Greenleaf.)
- Greenleaf, Rupert L., assignor of one-half to F. A. Carlson, Brockton, Mass. Heel-trimmer. No. 1,078,849; Nov. 18; Gaz. vol. 196; p. 618.
- Greenleaf, William H., Jr., and P. P. Moore, Gloucester, Mass. Jointing device. No. 1,062,456; May 20; Gaz. vol. 190; p. 719.
- Greenlee Bros. & Company. (See Edwards, Daniel W., assignor.)
- Greenlief, Charles E., Newton, Iowa. Gearing device for wringers. No. 1,082,745; Dec. 30; Gaz. vol. 197; p. 1097.
- Greenlief, Charles E., assignor to One Minute Manufacturing Co., Newton, Iowa. Engine-gear. No. 1,051,837; Jan. 28; Gaz. vol. 186; p. 958.
- Greeno, John C., Kansas City, Mo. Cane. No. 1,050,124; Jan. 14; Gaz. vol. 186; p. 307.
- Greenough, Grafton, Philadelphia, Pa., assignor, by mesne assignments, to Locomotive Superheater Company. Reheater for locomotives. No. 1,057,727; Apr. 1; Gaz. vol. 189; p. 113.
- Greenpoint Metallic Bed Company. (See Dunner, Max, assignor.)
- Greenpoint Metallic Bed Company. (See Silver, Herman, assignor.)
- Greenstreet, Charles J., Indianapolis, Ind. Making nitrogenous compounds. No. 1,052,815; Feb. 11; Gaz. vol. 187; p. 364.
- Greenstreet, Charles J., Webster Groves, Mo. Separating barytes from ores. No. 1,069,545; Aug. 5; Gaz. vol. 193; p. 158.
- Greenwald Brothers. (See Greenwald, Jacob, assignor.)
- Greenwald, Isidore, J. Blaustein, Pittsburgh, M. Z. Weiss, and M. Selkovits, McKeesport, Pa. Lamp-extinguisher. No. 1,073,484; Sept. 16; Gaz. vol. 194; p. 696.
- Greenwald, Jacob, assignor to Greenwald Brothers, Incorporated, Philadelphia, Pa. Skirt. No. 1,072,381; Sept. 2; Gaz. vol. 194; p. 241.
- Greenwald, Moie, New York, N. Y. Dress-form. No. 1,058,174; Apr. 8; Gaz. vol. 189; p. 312.
- Greenway, Henry H., Melbourne, Victoria, and H. Lavers, Broken Hill, New South Wales, Australia, assignors to Minerals Separation Limited, London, England. Ore concentration. No. 1,064,723; June 17; Gaz. vol. 191; p. 602.
- Greenwood, Charley E., McKinney, Tex. Razor-stropping device. No. 1,059,294; Apr. 15; Gaz. vol. 189; p. 736.
- Greenwood, Williston W., Los Angeles, Cal. Infant's stool and bath holder. No. 1,062,704; May 27; Gaz. vol. 190; p. 843.
- Greer, George T., Roanoke, Va. Hose-coupling. No. 1,073,850; Sept. 23; Gaz. vol. 194; p. 843.
- Greer, James A., assignor to The Rail Joint Company, New York, N. Y. Rail-joint. No. 1,075,644; Oct. 14; Gaz. vol. 195; p. 392.
- Gregg, Alfred W., Phoenix, Ariz. Molding apparatus. No. 1,077,273; Nov. 4; Gaz. vol. 196; p. 10.
- Gregg Company, The. (See Gregg, William C., assignor.)
- Gregg, Harry, Los Angeles, Cal. Locomotive-furnace door. No. 1,058,298; Apr. 8; Gaz. vol. 189; p. 354.
- Gregg, Robert E., assignor to General Specialty Company, Indianapolis, Ind. Steering mechanism. No. 1,050,060; Jan. 7; Gaz. vol. 186; p. 252.
- Gregg, William C., assignor to The Gregg Company, Limited, Hackensack, N. J. Metal underframe for car construction. No. 1,062,153; May 20; Gaz. vol. 190; p. 619.
- Gregg, William E. (See Hamilton, Frank L., assignor.)
- Greggs, Uriah C., and E. H. Falls, Terre Haute, Ind. Mail-box. No. 1,074,713; Oct. 7; Gaz. vol. 195; p. 44.
- Gregory, Arthur D., and F. G. Sanders, Albany, Ore. Attachment for metal planers and shapers. No. 1,062,396; May 20; Gaz. vol. 190; p. 700.
- Gregory, Eli E., Central City, Ky. Dating-machine. No. 1,075,822; Oct. 14; Gaz. vol. 195; p. 451.
- Gregory, Frank. (See Rousseau and Gregory.)
- Gregory, George H., Mount Carmel, Ill. Axle-lubricator. No. 1,052,243; Feb. 4; Gaz. vol. 187; p. 138.
- Gregory, Horace B. and I. F., Brooklyn, N. Y., assignors of two-thirds to J. H. Williams and one-third to J. T. Williams, Baltimore, Md. Textile-fiber netting. No. 1,077,959; Nov. 4; Gaz. vol. 196; p. 247.
- Gregory, Irene F. (See Gregory, Horace B. and I. F.)
- Gregory, Robert H., Cleburne, Tex. Combined jack and wrench. No. 1,078,850; Nov. 18; Gaz. vol. 196; p. 618.
- Gregson, Thomas L., and J. I. Payette, Chicago, Ill. Wire-stripper. No. 1,065,679; June 24; Gaz. vol. 191; p. 958.
- Gregson, William, Fort Worth, Tex., assignor of one-half to J. A. Wisherd, Stanton, Nebr. Gas-generator. No. 1,061,936; May 13; Gaz. vol. 190; p. 503.
- Greif and Schlick. (See Eichert, Fritz, assignor.)
- Greimann, Benjamin F., Garner, Iowa. Gage attachment for planters. No. 1,052,479; Feb. 11; Gaz. vol. 187; p. 250.
- Greiner, George J., Detroit, Mich. Gasolene-tank outlet. No. 1,054,533; Feb. 25; Gaz. vol. 187; p. 1031.
- Greiner, Otto, Lynn, Mass., assignor to General Electric Company. Production of articles from refractory material. No. 1,077,704; Nov. 4; Gaz. vol. 196; p. 158.
- Greist, Hubert M., and E. J. Boyler, New Haven, Conn., assignors to The Greist Manufacturing Company. Sewing-machine attachment-holder. No. 1,051,402; Jan. 28; Gaz. vol. 186; p. 813.
- Greist, Hubert M., and E. J. Boyler, New Haven, Conn., assignors to The Greist Manufacturing Company. Sewing-machine braider or corder. No. 1,075,414; Oct. 14; Gaz. vol. 195; p. 312.
- Greist, Lewis T., Washington, D. C. Door and window screen. No. 1,057,728; Apr. 1; Gaz. vol. 189; p. 113.
- Greist Manufacturing Company, The. (See Griest and Boyler, assignors.)
- Grenet, Francisque P. J., Bellevue, assignor to Société Anonyme du Filtre Chamberland Systeme Pasteur, Paris, France. Filter. No. 1,057,823; Apr. 1; Gaz. vol. 189; p. 147.
- Gresham, Henry H., Baltimore, Md., assignor to C. W. Gibson, New York, N. Y. Method of and apparatus for treating straw braid. No. 1,058,023; Apr. 1; Gaz. vol. 189; p. 214.
- Grether, Ernst, assignor, by mesne assignments, to A. Betzing, Detroit, Mich. 3,4-dioxypheyl-1-alkylendiamin-1,2 and making same. No. 1,051,577; Jan. 28; Gaz. vol. 186; p. 873.
- Grether, Ernst, assignor, by mesne assignments, to A. Betzing, Detroit, Mich. 3,4-dioxypheylglyoxims and preparing same. No. 1,051,578; Jan. 28; Gaz. vol. 186; p. 873.
- Greuter, Charles R., Saugus, Mass. Carbureter. No. 1,049,705; Jan. 7; Gaz. vol. 186; p. 132.
- Greve, Herman L., New York, N. Y. Mailing-wrapper. No. 1,071,227; Aug. 26; Gaz. vol. 193; p. 834.
- Grey, Charles M., East Orange, N. J. Coin-handling machine. No. 1,081,958; Dec. 23; Gaz. vol. 197; p. 791.
- Griebe, William, Brooklyn, N. Y. Starting device for electric motors or the like. No. 1,081,827; Dec. 16; Gaz. vol. 197; p. 720.
- Griel, Howard B., Lancaster, Pa. Dispensing apparatus. No. 1,056,330; Mar. 18; Gaz. vol. 188; p. 633.
- Grier, Frank L. (See Grier, Garrett L. and F. L.)
- Grier, Garrett L. and F. L., Milford, Del. Sanitary holder for shade-guides. No. 1,078,431; Nov. 11; Gaz. vol. 196; p. 443.
- Grieshaber, Hugo E. (See Spear and Grieshaber.)
- Griesheimer, Valentine J., Chillicothe, Ohio. Foldable table structure. No. 1,080,437; Dec. 2; Gaz. vol. 197; p. 183.
- Griesinger, John, Los Angeles, Cal. Binding device for loose-leaf books. No. 1,070,450; Aug. 19; Gaz. vol. 193; p. 539.
- Griesman, Frederic V., Albany, N. Y. Corner-block for iron and brass beds. No. 1,075,645; Oct. 14; Gaz. vol. 195; p. 393.
- Griesman, Frederic V., Albany, N. Y. Corner-block for iron and brass beds. No. 1,075,646; Oct. 14; Gaz. vol. 195; p. 393.
- Griffin, Albert A., Lansing, Mich. Chiropractic table. No. 1,051,221; Jan. 21; Gaz. vol. 186; p. 718.
- Griffin, Albert A., Lansing, Mich. Collapsible table. No. 1,057,545; Apr. 1; Gaz. vol. 189; p. 50.
- Griffin, Andrew C., Brattleboro, Vt. Mixing-machine. No. 1,051,101; Jan. 21; Gaz. vol. 186; p. 679.
- Griffin, Charles M., Indianapolis, Ind., assignor to C. M. Griffin and H. G. Crawford. Tire. No. 1,072,382; Sept. 2; Gaz. vol. 194; p. 241.
- Griffin, Charles N., et al. (See Alyea, Courtland P., assignor.)
- Griffin, Charles R., Peekskill, N. Y. Steam-cooker. No. 1,050,452; Jan. 14; Gaz. vol. 186; p. 421.
- Griffin, Edward, administrator. (See Griffin, Joseph.)
- Griffin, Edward B., Somerville, Mass. Fastening for door-knobs. No. 1,070,451; Aug. 19; Gaz. vol. 193; p. 539.
- Griffin, Edwin F., Syracuse, N. Y., assignor to International Text Book Company, Scranton, Pa. Type-writing machine. No. 1,053,027; Feb. 11; Gaz. vol. 187; p. 435.
- Griffin, George, administrator. (See Griffin, Thomas.)
- Griffin, George B., Edgewood, Pa., assignor to Westinghouse Electric and Manufacturing Company. Fusible cut-out. No. 1,070,452; Aug. 19; Gaz. vol. 193; p. 540.
- Griffin, George E., assignor to Underwood Typewriter Company, New York, N. Y. Type-writing machine. No. 1,058,965; Apr. 15; Gaz. vol. 189; p. 623.

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- Griffin, George L., *et al.* (See Martin, William A., assignor.)
- Griffin, Gerald G., New York, N. Y. Confetti-machine. No. 1,082,804; Dec. 30; Gaz. vol. 197; p. 1117.
- Griffin, Gussie G., Mulberry, Fla. Curtain-rod. No. 1,077,529; Nov. 4; Gaz. vol. 196; p. 102.
- Griffin, Harry S., Camden, N. J., assignor to Charles Eneu Johnson & Company, Philadelphia, Pa. Means for showing colors in harmony or contrast. No. 1,057,546; Apr. 1; Gaz. vol. 189; p. 51.
- Griffin, Hugh A., Rocky Mount, N. C. Soda-fountain attachment. No. 1,054,534; Feb. 25; Gaz. vol. 187; p. 1031.
- Griffin, James C., assignor to Griffin Manufacturing Company, Erie, Pa. Sash-fastener. No. 1,061,283; May 13; Gaz. vol. 190; p. 282.
- Griffin, James J., San Francisco, Cal., and G. M. Peacock, South Yarra, Victoria, Australia. Seaming-head of double-seaming machines. No. 1,065,800; June 24; Gaz. vol. 191; p. 998.
- Griffin, John, Melrose, Iowa. Metal railway-tie. No. 1,071,665; Aug. 26; Gaz. vol. 193; p. 978.
- Griffin, John A., Los Angeles, Cal. Sectional reinforced-concrete pole. No. 1,069,328; Aug. 5; Gaz. vol. 193; p. 83.
- Griffin, Joseph, deceased, East Quogue, N. Y.; E. Griffin, administrator. Bed-pan. No. 1,067,423; July 15; Gaz. vol. 192; p. 591.
- Griffin Manufacturing Company. (See Griffin, James C., assignor.)
- Griffin, Thomas, deceased, Noblesville, Ind.; G. Griffin, administrator. Saw-set. No. 1,057,342; Mar. 25; Gaz. vol. 188; p. 1010.
- Griffin, Thomas J., assignor, by mesne assignments, of one-third to J. M. Sands, R. E. Small, and R. E. Kline and one-half to E. Double, Los Angeles, Cal. Rotary drilling apparatus. No. 1,067,330; July 15; Gaz. vol. 192; p. 539.
- Griffin, Thomas W., Springfield, Mo., and C. J. Rathers, Sapulpa, Okla. Device for automatically closing locomotive-valves. No. 1,067,106; July 8; Gaz. vol. 192; p. 444.
- Griffin, Thomas W., Springfield, Mo., and C. J. Rathers, Sapulpa, Okla. Gage-cock. No. 1,070,453; Aug. 19; Gaz. vol. 193; p. 540.
- Griffin, Virgil M., Indianapolis, Ind. Work-holding lap-board. No. 1,059,606; Apr. 22; Gaz. vol. 189; p. 878.
- Griffin, Walter B., Chicago, Ill. Window-adjuster. No. 1,058,050; Apr. 8; Gaz. vol. 189; p. 267.
- Griffis, Samuel A., Peoria, assignor, by mesne assignments, to J. V. Brokaw, Canton, Ill. Boiler. No. 1,061,174; May 6; Gaz. vol. 190; p. 209.
- Griffith, Charles E., Philadelphia, Pa. Car-door. No. 1,060,181; Apr. 29; Gaz. vol. 189; p. 1111.
- Griffith, Charles J., St. Louis, Mo. Railway-crossing. No. 1,049,575; Jan. 7; Gaz. vol. 186; p. 89.
- Griffith, Charles W., assignor of one-half to S. A. Trees, Altoona, Pa. Electric rat-trap. No. 1,059,358; Apr. 22; Gaz. vol. 189; p. 794.
- Griffith, Edwin, Glyndon, Md. Animal-trap. No. 1,068,894; July 29; Gaz. vol. 192; p. 1168.
- Griffith, George F., Johnstown, Colo. Wire-stretcher. No. 1,056,169; Mar. 18; Gaz. vol. 188; p. 580.
- Griffith, George G., Sault Ste. Marie, Mich. Ironing-board. No. 1,074,049; Sept. 23; Gaz. vol. 194; p. 910.
- Griffith, George O., East Auburn, Cal. Gradometer. No. 1,055,902; Mar. 11; Gaz. vol. 188; p. 455.
- Griffith, Glade L., Blockton, Iowa. Automobile-wheel. No. 1,056,664; Mar. 18; Gaz. vol. 188; p. 749.
- Griffith, Jacob K., Pittston, Pa. Casting car-wheels. No. 1,066,604; July 8; Gaz. vol. 192; p. 274.
- Griffith, James J., Philadelphia, Pa. Attachment for ranges and stoves. No. 1,067,731; July 15; Gaz. vol. 192; p. 695.
- Griffith, Jesse E., assignor of one-fourth to J. E. Green and one-fourth to D. V. Blatter, Albion, Nebr. Grain-shockling machine. No. 1,080,438; Dec. 2; Gaz. vol. 197; p. 183.
- Griffith, Lawrence, Yonkers, N. Y. Insulated rail-joint. No. 1,052,244; Feb. 4; Gaz. vol. 187; p. 139.
- Griffith, Lawrence, Yonkers, N. Y. Insulated rail-joint. No. 1,064,900; June 17; Gaz. vol. 191; p. 658.
- Griffith, Newell S., Minneapolis, Minn. Fruit-seeder. No. 1,082,516; Dec. 30; Gaz. vol. 197; p. 1015.
- Griffith, Raymond W., Milwaukee, Wis. Massaging implement. No. 1,059,455; Apr. 22; Gaz. vol. 189; p. 829.
- Griffith, William H., Worthington, Ind. Lifting-jack. No. 1,052,913; Feb. 11; Gaz. vol. 187; p. 398.
- Griffith, William J., Plymouth, Mich. Exhaust-muffler. No. 1,055,270; Mar. 4; Gaz. vol. 188; p. 205.
- Griffiths, Alfred. (See Mingle and Griffiths.)
- Griffiths, David L., Olyphant, Pa. Currycomb. No. 1,083,087; Dec. 30; Gaz. vol. 197; p. 1213.
- Griffiths, David M., Merthyr, Wales. Automatic guide-box for iron and steel rolling mills. No. 1,078,045; Nov. 11; Gaz. vol. 196; p. 307.
- Griffiths, Guy D., Acme, Alberta, Canada. One-revolution clutch. No. 1,064,683; June 10; Gaz. vol. 191; p. 552.
- Griffiths, William U., Philadelphia, Pa. Pump. No. 1,060,594; May 6; Gaz. vol. 190; p. 10.
- Grigg, George R., Coffeyville, Kans. Stop for shade-rollers. No. 1,053,806; Feb. 18; Gaz. vol. 187; p. 747.
- Grigg, George R., Coffeyville, Kans. Shade-roller. No. 1,054,535; Feb. 25; Gaz. vol. 187; p. 1032.
- Grigg, Robert G. (See Grigg, Thomas H., assignor.)
- Grigg, Thomas H., assignor to R. G. Grigg, Philadelphia, Pa. Wrench. No. 1,054,687; Mar. 4; Gaz. vol. 188; p. 11.
- Grigg, Thomas H., Philadelphia, Pa., assignor to Suspension Tire Company, Wilmington, Del. Vehicle-tire. No. 1,069,941; Aug. 12; Gaz. vol. 193; p. 323.
- Griggs, George B., Douglas, Kans. Agricultural implement. No. 1,076,761; Oct. 28; Gaz. vol. 195; p. 859.
- Griggs, Sarah A., *et al.* (See Riley, Samuel L., assignor.)
- Grignard, Albert M. E., New York, N. Y. Printing-cylinder. No. 1,082,946; Dec. 30; Gaz. vol. 197; p. 1166.
- Grignon, Robert. (See Oberley and Grignon.)
- Grim, John W., Abbottstown, Pa. Attachment for threshing-machines. No. 1,053,985; Feb. 25; Gaz. vol. 187; p. 845.
- Grime, George. (See Bolton, John T., assignor.)
- Grimes, Charles P., assignor to Wheeler & Schebler, Indianapolis, Ind. Carbureter. No. 1,052,051; Feb. 4; Gaz. vol. 187; p. 72.
- Grimes, Edgar E. (See Norton, Christopher F., assignor.)
- Grimes, Edward L., and F. Peterson, Red Cloud, Nebr. Fly-killer. No. 1,056,535; Mar. 18; Gaz. vol. 188; p. 707.
- Grimes, Herbert. (See Waldron, Ivan M., assignor.)
- Grimes, Josiah, assignor of one-half to B. F. Lytle, Los Angeles, Cal. Automatic weighing device. No. 1,079,407; Nov. 25; Gaz. vol. 196; p. 839.
- Grimes, Thaddeus S., Columbus, assignor to Lummus Cotton Gin Co., Muscogee county, Ga. Revolving double-box cotton-press. No. 1,068,336; July 22; Gaz. vol. 192; p. 935.
- Grimes, Thaddeus S., Columbus, assignor to Lummus Cotton Gin Company, Muscogee county, Ga. Variable-feed mechanism for cotton-gins. No. 1,069,413; Aug. 5; Gaz. vol. 193; p. 114.
- Grimes, Thaddeus S., Columbus, assignor to Lummus Cotton Gin Co., Muscogee county, Ga. Variable-speed mechanism. No. 1,069,414; Aug. 5; Gaz. vol. 193; p. 115.
- Grimes, Thaddeus S., assignor to Lummus Cotton Gin Company, Columbus, Ga. Cotton-condenser. No. 1,081,111; Dec. 9; Gaz. vol. 197; p. 440.
- Grimm, Frank C., Cleveland, Ohio. Water-heater. No. 1,053,491; Feb. 18; Gaz. vol. 187; p. 641.
- Grimm, H. J. (See Grimm, Henry C., assignor.)
- Grimm, Henry C., assignor of one-half to H. J. Grimm, Pleasantville, N. J. Overshoe. No. 1,072,225; Sept. 2; Gaz. vol. 194; p. 188.
- Grimm, Paul H., Glen Cove, N. Y. Steam-trap and system for draining water of condensation from steam-coils. No. 1,078,783; Nov. 18; Gaz. vol. 196; p. 596.
- Grimme, Natalis & Co., Commanditgesellschaft auf Actien Brunswick. (See Stemmler and Schaller, assignors.)
- Grimshaw, Frederick, Wanaque, N. J. Automatic window-lock. No. 1,062,234; May 20; Gaz. vol. 190; p. 646.
- Grinder, Albert M., Mount Horeb, Wis. Corn-shock compressor. No. 1,065,238; June 17; Gaz. vol. 191; p. 769.
- Grinnen, Gersh, Wilmington, Del. Wrench. No. 1,053,986; Feb. 25; Gaz. vol. 187; p. 845.
- Grip Nut Company. (See Flint, Louis J., assignor.)
- Grip Nut Company. (See Julien, Bartholomew, assignor.)
- Grisell, Thomas S., Burr Oak, Kans. Door-check. No. 1,070,799; Aug. 19; Gaz. vol. 193; p. 658.
- Grisham, Edward P., St. Louis, Mo. Attachment for stuffing-boxes. No. 1,078,784; Nov. 18; Gaz. vol. 196; p. 597.
- Grissim, Jasper, Philadelphia, Pa. Collapsible awning or canopy for chairs. No. 1,080,628; Dec. 9; Gaz. vol. 197; p. 278.
- Grissinger, Homer N., Philadelphia, Pa. Paper-tube-making machine. No. 1,065,680; June 24; Gaz. vol. 191; p. 958.
- Griswold, Horatio F., assignor of one-half to F. M. Richey, Jr., Connellsville, Pa. Bottle. No. 1,072,606; Sept. 9; Gaz. vol. 194; p. 349.
- Griswold, Howard L. (See Brown and Griswold.)
- Griswold, James E., Chana, Ill. Whip-lock. No. 1,051,732; Jan. 28; Gaz. vol. 186; p. 924.
- Griswold, John L., Dalhart, Tex. Roll-holder. No. 1,051,808; Jan. 28; Gaz. vol. 186; p. 948.
- Griswold, Louis F., and C. B. Smith, Cleveland, Ohio; said Griswold assignor to said Smith. Rotary drier. No. 1,080,629; Dec. 9; Gaz. vol. 197; p. 278.
- Griswold Manufacturing Company, The. (See Hollands, John C., assignor.)
- Griswold, Thomas, Jr., assignor to The Dow Chemical Company, Midland, Mich. Electrolytic cell. No. 1,070,454; Aug. 19; Gaz. vol. 193; p. 540.
- Grive, Charles K., assignor of one-half to W. Hultgren, Minneapolis, Minn. Cooking utensil. No. 1,071,909; Sept. 2; Gaz. vol. 194; p. 83.
- Grob, Fred C., Metamora, Ill. Combined corn-popper and peanut-roaster. No. 1,061,608; May 13; Gaz. vol. 190; p. 396.
- Grobey, James B. (See Wicklund and Grobey.)

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- Grodaes, Andrew B., Maude, Saskatchewan, Canada. Shoe-soling machine. No. 1,052,662; Feb. 11; Gaz. vol. 187; p. 312.
- Groebli, Joseph A., New York, N. Y. Sewing-machine. No. 1,066,490; July 8; Gaz. vol. 192; p. 233.
- Groebli, Joseph A., New York, N. Y. Counterbalancing mechanism for embroidering-machines. No. 1,066,491; July 8; Gaz. vol. 192; p. 234.
- Groebli, Joseph A., New York, N. Y. Counterbalancing mechanism for embroidering-machines. No. 1,073,342; Sept. 16; Gaz. vol. 194; p. 647.
- Groebli, Joseph A., New York, N. Y. Jacquard mechanism. No. 1,073,343; Sept. 16; Gaz. vol. 194; p. 647.
- Groebli, Joseph A., New York, N. Y. Bead-sewing machine. No. 1,073,344; Sept. 16; Gaz. vol. 194; p. 648.
- Groene, William F. (See Le Blond and Groene.)
- Groenendyke, John. (See Groenendyke, William, assignor.)
- Groenendyke, William, assignor of one-half to J. Groenendyke, Passiac, N. J. Seat or stool. No. 1,060,838; May 6; Gaz. vol. 190; p. 94.
- Groetschel, Julius, Plauen, Germany. Production of embroideries. No. 1,067,605; July 15; Gaz. vol. 192; p. 652.
- Groetschel, Julius, Plauen, Germany. Shuttle embroidering-machine. No. 1,080,550; Dec. 9; Gaz. vol. 197; p. 253.
- Groff, Robert H., Cedar Rapids, Iowa. Egg-tester. No. 1,051,324; Jan. 21; Gaz. vol. 186; p. 753.
- Groff, William W., South Omaha, Nebr. Switch. No. 1,078,497; Nov. 11; Gaz. vol. 196; p. 463.
- Groh, Bernard C., Trenton, N. J., assignor, by mesne assignments, to Stromberg-Carlson Telephone Manufacturing Company, Rochester, N. Y. Party-line telephone system. No. 1,050,532; Jan. 14; Gaz. vol. 186; p. 449.
- Gronbech, Christian E. A., Jersey City, N. J. Blade-sharpening apparatus. No. 1,069,329; Aug. 5; Gaz. vol. 193; p. 84.
- Grondahl, Einar L., Seattle, Wash. Game apparatus. No. 1,061,999; May 20; Gaz. vol. 190; p. 565.
- Grondin, Honore, Pittsfield, Mass. Traveler's lock and alarm. No. 1,051,733; Jan. 28; Gaz. vol. 186; p. 924.
- Grönvigh, Martinus E., Bergen, Norway, assignor of one-half to T. S. Fuckerud, Wilkinsburg, Pa. Telephone system. No. 1,067,606; July 15; Gaz. vol. 192; p. 652.
- Groos, Charles. (See Peterson, Axel W., assignor.)
- Groos, Charles, San Francisco, Cal. Screw-driver. No. 1,055,031; Mar. 4; Gaz. vol. 188; p. 129.
- Groos, Charles, San Francisco, Cal. Screw-driver. No. 1,056,095; Mar. 18; Gaz. vol. 188; p. 555.
- Groot, Pieter C. de, Rotterdam, Netherlands, assignor to U. S. Slicing Machine Company, Chicago, Ill. Device for sharpening the rotary circular knives of meat-slicing machines. No. 1,051,734; Jan. 28; Gaz. vol. 186; p. 924.
- Gropper, Samuel, Brooklyn, N. Y. Top. No. 1,059,866; Apr. 22; Gaz. vol. 189; p. 962.
- Groschen, George. (See Olsen, Einar J., assignor.)
- Gröschner, Ernst, Kerstenhausen, Germany. Steering mechanism for wheeled agricultural implements. No. 1,050,125; Jan. 14; Gaz. vol. 186; p. 307.
- Groschopp, Friedrich W., assignor to Kampfe Bros., New York, N. Y. Safety skinning-knife. No. 1,062,906; May 27; Gaz. vol. 190; p. 910.
- Grose, Parlee C., Blanchard township, Hancock county, Ohio. Folding hopper and supporting-frame therefor. No. 1,069,415; Aug. 5; Gaz. vol. 193; p. 115.
- Grosert, Thomas, assignor of one-half to E. Unger, New York, N. Y. Composition for use in waving or curling hair. No. 1,064,901; June 17; Gaz. vol. 191; p. 659.
- Grosset, John P., Bothell, Wash. Ice-cream-cone-cooking machine. No. 1,079,597; Nov. 25; Gaz. vol. 196; p. 906.
- Grosb, Thomas W., Clear Spring, Md. Envelop. No. 1,054,536; Feb. 25; Gaz. vol. 187; p. 1032.
- Groshon, John A., New York, N. Y. Turbine. No. 1,082,267; Dec. 23; Gaz. vol. 197; p. 898.
- Groskopf, Albert B. (See Cederstrom, Peter T., assignor.)
- Gross, Angus R., Catonsville, assignor of one-half to E. C. Tracey, Baltimore, Md. Carbonating-faucet. No. 1,067,021; July 8; Gaz. vol. 192; p. 415.
- Gross, David, Dayton, Ohio. Pin-ticket. No. 1,069,416; Aug. 5; Gaz. vol. 193; p. 116.
- Gross, Edward L., assignor to S. Oppenheimer & Co., Chicago, Ill. Tank-closure. No. 1,070,128; Aug. 12; Gaz. vol. 193; p. 387.
- Gross, Gustav, Breslau, Germany. Spark-arrestér. No. 1,070,800; Aug. 19; Gaz. vol. 193; p. 658.
- Gross, Martha E., Sardis, Miss. Combined whiffletree hook and ferrule. No. 1,079,236; Nov. 18; Gaz. vol. 196; p. 751.
- Gross, Owen B., Aurora, Ill. Work-holder. No. 1,082,588; Dec. 30; Gaz. vol. 197; p. 1041.
- Gross, Paul, assignor to General Dental Company Gebrüder Funke, Dusseldorf, Germany. Mandrel for dental disks. No. 1,071,228; Aug. 26; Gaz. vol. 193; p. 834.
- Grossarth, Albert A., and T. E. Barker, Chicago, Ill. Trolley-controlling device. No. 1,061,471; May 13; Gaz. vol. 190; p. 346.
- Grosser, Paul, Markersdorf, Germany. Differential motion for spooling-machines. No. 1,080,965; Dec. 9; Gaz. vol. 197; p. 396.
- Grossgebauer, John, Paterson, N. J. Forming artificial bows. No. 1,055,738; Mar. 11; Gaz. vol. 188; p. 399.
- Grosshelm, Max K., Jersey City, N. J. Automatic air-brake control. No. 1,050,825; Jan. 21; Gaz. vol. 186; p. 581.
- Grossich, Attilio, Chicago, Ill., assignor of one-half to S. D. Ratkovich. Signaling and passenger-carrying device for vessels. No. 1,076,496; Oct. 21; Gaz. vol. 195; p. 712.
- Grosslaub, Carl R., Hainichen, Germany. Loom for weaving horsehair fabrics. No. 1,054,537; Feb. 25; Gaz. vol. 187; p. 1032.
- Grossman, Alexander R. (See Feigl and Grossman.)
- Grossman, Henry M., and J. Wynn, Jr., Canton, Ohio. Automatic rheostat. No. 1,078,785; Nov. 18; Gaz. vol. 196; p. 597.
- Grosvenor, William M. (See May and Grosvenor.)
- Grosvenor, William M., Grantwood, N. J. Drying and treating fabrics and other materials. No. 1,076,976; Oct. 28; Gaz. vol. 195; p. 936.
- Grotenhuis, William J., Chicago, Ill. Bed construction. No. 1,060,079; Apr. 29; Gaz. vol. 189; p. 1077.
- Grotenhuis, William J., assignor to Sanitary Steel Couch Company, Chicago, Ill. Bed or couch fabric. No. 1,051,838; Jan. 28; Gaz. vol. 186; p. 958.
- Grotenhuis, William J., assignor, by mesne assignments, to Kinney-Rome Company, Chicago, Ill. Metallic fabric for beds or couches. No. 1,077,705; Nov. 4; Gaz. vol. 196; p. 158.
- Grothe, William, Lakewood, and J. O. Huffman, assignors to The White Sewing Machine Company, Cleveland, Ohio. Sewing-machine. No. 1,063,677; June 3; Gaz. vol. 191; p. 177.
- Grottness, Charles, Chicago, Ill. Vehicle. No. 1,059,149; Apr. 15; Gaz. vol. 189; p. 686.
- Grout, Martin B., and W. Edison, Chicago, Ill. Garment-fastener. No. 1,076,977; Oct. 28; Gaz. vol. 195; p. 936.
- Grout, Ransom A., Davenport, Iowa. Attachment for telegraph instruments. No. 1,066,410; July 1; Gaz. vol. 192; p. 175.
- Grove, Edmond R., Arkansas City, Kans. Journal-box. No. 1,065,355; June 24; Gaz. vol. 191; p. 846.
- Grove, Edwin W. (See Weakley, Raymond D., assignor.)
- Grove, James H. (See McKeen and Grove.)
- Grove, Martin L., assignor of one-half to W. A. Wray and one-sixth to A. Foy, Tylersburg, Pa. Automatic gas cut-off. No. 1,050,646; Jan. 14; Gaz. vol. 186; p. 486.
- Grove, Ralph M., Brooklyn, N. Y., assignor to Mergenthaler Linotype Company. Matrix-distributing mechanism. No. 1,074,945; Oct. 7; Gaz. vol. 195; p. 121.
- Grover, Frank H., Seattle, Wash. Hydraulic motor. No. 1,061,937; May 13; Gaz. vol. 190; p. 503.
- Grover, Frederick, assignor to The Forgrove Machinery Company Limited, Leeds, England. Machine for folding wrappers around rectangular tablets. No. 1,075,033; Oct. 7; Gaz. vol. 195; p. 153.
- Grover, George B., assignor to W. J. Young Machinery Company, Lynn, Mass. Dieing-out machine. No. 1,063,871; June 3; Gaz. vol. 191; p. 239.
- Grover, George B., assignor to W. J. Young Machinery Company, Lynn, Mass. Cutting and dieing machine. No. 1,066,727; July 8; Gaz. vol. 192; p. 318.
- Grover, Henry, Jr., Two Rivers, assignor to Aluminum Goods Mfg. Company, Manitowoc, Wis. Lunch-holder. No. 1,049,706; Jan. 7; Gaz. vol. 186; p. 133.
- Grover, Wilbur A., Long Lake, Wash. Cooling attachment for motor-driven fans. No. 1,053,028; Feb. 11; Gaz. vol. 187; p. 436.
- Groves, Andrew W., Washington, Mo. Machine for charging and finishing plane articles. No. 1,055,271; Mar. 4; Gaz. vol. 188; p. 205.
- Groves, Hiram C., Woodward, Okla. Centrifugal separator. No. 1,057,237; Mar. 25; Gaz. vol. 188; p. 978.
- Groyen, Ferdinand, assignor to Groyen and Richtmann, Cologne, Germany. Type-writing machine for printing notes. No. 1,074,858; Oct. 7; Gaz. vol. 195; p. 91.
- Groyen and Richtmann. (See Groyen, Ferdinand, assignor.)
- Grubb, Stephen F., Brandywine Summit, Pa. Graining-tool. No. 1,069,249; Aug. 5; Gaz. vol. 193; p. 58.
- Gruber, John A., assignor of one-half to W. H. Hambaugh, Cincinnati, Ohio. Safety device to keep wheels from sliding. No. 1,061,369; May 13; Gaz. vol. 190; p. 311.
- Gruber, Louis F., Chicago, Ill. Drapery. No. 1,070,455; Aug. 19; Gaz. vol. 193; p. 541.
- Gruber, Ralph E., Oroville, Cal. Rope-clamp. No. 1,069,942; Aug. 12; Gaz. vol. 193; p. 323.
- Gruber, Robert C., Spring City, Pa. Stop-motion for knitting-machines. No. 1,071,910; Sept. 2; Gaz. vol. 194; p. 83.
- Grubinski, Jan von, Warsaw, Russia. Superheater for locomotive-boilers. No. 1,067,107; July 8; Gaz. vol. 192; p. 445.
- Grueby, William H., Boston, Mass. Floor-tile. No. 1,059,456; Apr. 22; Gaz. vol. 189; p. 829.
- Gruehl, Edward C., Passaic, N. J. Tooth-brush. No. 1,077,909; Nov. 4; Gaz. vol. 196; p. 228.

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- Gruenberg, Raoul J., San Francisco, Cal. Die for making folding paper boxes. No. 1,080,759; Dec. 9; Gaz. vol. 197; p. 324.
- Gruenfeldt, Emil, assignor to The Baker Motor Vehicle Company, Cleveland, Ohio. Lock mechanism for controller-arms. No. 1,052,914; Feb. 11; Gaz. vol. 187; p. 398.
- Gruenwald, Teodoro, Genoa, Italy. Fluid-jet blower. No. 1,050,126; Jan. 14; Gaz. vol. 186; p. 308.
- Gruettner, Henry W. J., Vallejo, Cal. Dispensing-can. No. 1,075,099; Oct. 7; Gaz. vol. 195; p. 175.
- Gruhl, Frederick J., Milwaukee, Wis. Window. No. 1,052,335; Feb. 4; Gaz. vol. 187; p. 167.
- Grundeem, Erick A., Escanaba, Mich. Stump-puller. No. 1,061,370; May 13; Gaz. vol. 190; p. 311.
- Grundstrom, Gustave E., assignor of one-half to J. W. Ion, Chicago, Ill. Power molding-press. No. 1,072,448; Sept. 9; Gaz. vol. 194; p. 293.
- Gruneisen, Albert. (See Gruneisen, Paulina and A.)
- Gruneisen, Paulina and A., Platteville, Wis. Fruit-steamer. No. 1,070,801; Aug. 19; Gaz. vol. 193; p. 658.
- Grunow, Charles, Sheboygan, Wis. Automatic railway-gate. No. 1,080,439; Dec. 2; Gaz. vol. 197; p. 184.
- Grunow, William, Jr., Waterbury, assignor to The C. J. Root Co., Bristol, Conn. Repeating-counter. No. 1,056,411; Mar. 18; Gaz. vol. 188; p. 660.
- Grünstein, Nathan, assignor to Firm of Chemische Fabrik Griesheim-Elektron, Frankfurt-on-the-Main, Germany. Manufacture of acetic acid. No. 1,081,959; Dec. 23; Gaz. vol. 197; p. 791.
- Grünwald, Karl, Hamburg, Germany. Fire-extinguishing apparatus. No. 1,065,356; June 24; Gaz. vol. 191; p. 847.
- Grünzweig, Max, Munich, Germany. Manufacture of porous ceramic objects. No. 1,068,762; July 29; Gaz. vol. 192; p. 1120.
- Gruss, Lucien R. (See Rank, William M., assignor.)
- Gruss, Lucien R., San Francisco, assignor to Auto Compressed-Air Wheel Company, Chico, Cal. Vehicle-wheel. No. 1,061,537; May 13; Gaz. vol. 190; p. 371.
- Grüter, Reinhold, Charlottenburg, Germany, assignor, by mesne assignments, to R. H. Comey Company, Camden, N. J. Bleaching vegetable fiber and fabrics. No. 1,063,678; June 3; Gaz. vol. 191; p. 178.
- Grüter, Reinhold, Charlottenburg, assignor to Farbenfabriken vorm. Friedr. Bayer & Co., Elberfeld, Germany. Rendering sterilized water tasteless and odorless. No. 1,078,918; Nov. 18; Gaz. vol. 196; p. 641.
- Grutzner, Frank, et al. (See Woods, Charles G., assignor.)
- Gschwendner, Wolfgang, Cleaton, Ky. Acetylene-gas lamp. No. 1,073,980; Sept. 23; Gaz. vol. 194; p. 888.
- Gschwind, Leon, Youngstown, assignor of one-half to W. W. Watson, Girard, Ohio. Catch-basin. No. 1,060,338; Apr. 29; Gaz. vol. 189; p. 1168.
- Gsell, Henry A., Paris, France. Match-making machine. No. 1,054,764; Mar. 4; Gaz. vol. 188; p. 38.
- Gsell, Henry A., Paris, France. Packing apparatus for machines for packing matches in boxes. No. 1,081,379; Dec. 16; Gaz. vol. 197; p. 571.
- Guanica Centrale. (See Edson, Hubert, assignor.)
- Guanica Centrale. (See Gathmann, Louis, assignor.)
- Guarantee Construction Company. (See Hudson, Wilbur G., assignor.)
- Guariglia, Mauro, Morgantown, W. Va. Trolley-guard. No. 1,079,408; Nov. 25; Gaz. vol. 196; p. 839.
- Guarino, Joseph A., Westerly, R. I. Gun. No. 1,079,855; Nov. 25; Gaz. vol. 196; p. 996.
- Guastavino, Rafael, New York, N. Y. Masonry structure. No. 1,052,142; Feb. 4; Gaz. vol. 187; p. 193.
- Guastavino, Rafael, New York, N. Y. Masonry structure. No. 1,057,729; Apr. 1; Gaz. vol. 189; p. 114.
- Guay, Emile J., Lynn, Mass., assignor to General Electric Company. Magazine arc-lamp. No. 1,062,907; May 27; Gaz. vol. 190; p. 910.
- Gubbius, John F., Chicago, Ill. Clothes-wringer. No. 1,081,380; Dec. 16; Gaz. vol. 197; p. 571.
- Gubrud, Adolph P., Hudson, S. D. Corn harvesting and husking machine. No. 1,056,665; Mar. 18; Gaz. vol. 188; p. 749.
- Gubrud, Adolph P., Hudson, S. D. Automatic mixer and charger for gas-engines. No. 1,056,666; Mar. 18; Gaz. vol. 188; p. 750.
- Gudde, Hugo F., Cleveland, Ohio. Music-turner. No. 1,073,851; Sept. 23; Gaz. vol. 194; p. 843.
- Gudeman, Ezra R., Pekin, A. E. Reynolds, and R. E. Welker, Peoria, Ill. Vaporizing device for lubricators. No. 1,065,239; June 17; Gaz. vol. 191; p. 770.
- Gudeman, Leo, New York, N. Y. Electric-light fixture. No. 1,081,498; Dec. 16; Gaz. vol. 197; p. 610.
- Guderian, William J., Algona, Iowa. Cistern filter, ventilator, and water-purifier. No. 1,059,935; Apr. 22; Gaz. vol. 189; p. 985.
- Gudgeon, Simon, New Bedford, Mass. Plant-supporter. No. 1,073,114; Sept. 16; Gaz. vol. 194; p. 565.
- Gudmand-Hoyer, Julius V. (See La Vercombe, Harley H., assignor.)
- Guehring, John, San Francisco, Cal. Malt turning, aerating, and gathering machine. No. 1,063,872; June 3; Gaz. vol. 191; p. 240.
- Guelff, Eliscé. (See Dunn and Guelff.)
- Guenther, Frank G. (See Thien and Guenther.)
- Guenther, Herman F., and W. C. Schulz, Milwaukee, Wis. Humidor. No. 1,074,714; Oct. 7; Gaz. vol. 195; p. 45.
- Guernsey, Charles C., assignor of one-half to F. O. Libbey, Lawrence, Mass. Wrench. No. 1,061,609; May 13; Gaz. vol. 190; p. 396.
- Guerra, Angel, Celaya, Mexico. Circuit-breaker. No. 1,077,829; Nov. 4; Gaz. vol. 196; p. 201.
- Guerrant, George M., Danville, Va., assignor to H. C. Bridgers, Tarboro, N. C. Device for projecting the images of temperature-indicators. No. 1,074,260; Sept. 30; Gaz. vol. 194; p. 1010.
- Guerrero, Edmundo, Antigua, Guatemala. Pulper-breast. No. 1,076,978; Oct. 28; Gaz. vol. 195; p. 937.
- Guerrero, Edmundo, Antigua, Guatemala. Mechanism for rotating and locking the cylinders of revolvers. No. 1,077,135; Oct. 28; Gaz. vol. 195; p. 987.
- Guerrero, Jorge, Paris, France. Vehicle-wheel. No. 1,073,040; Sept. 9; Gaz. vol. 194; p. 503.
- Guesdon, Fernand O., Vancouver, British Columbia, Canada. Wrench. No. 1,069,872; Aug. 12; Gaz. vol. 193; p. 301.
- Guest, Alfred W. F., Brooklyn, N. Y., assignor to Mergenthaler Linotype Company. Line-casting machine. No. 1,079,486; Nov. 25; Gaz. vol. 196; p. 866.
- Guest, William W., Alameda, Cal. Extraction of precious metals. No. 1,067,022; July 8; Gaz. vol. 192; p. 415.
- Guest, William W., Alameda, Cal. Amalgamator. No. 1,067,023; July 8; Gaz. vol. 192; p. 416.
- Guett, Monroe, assignor to The Hart & Hegeman Manufacturing Company, Hartford, Conn. Electric switch. No. 1,050,211; Jan. 14; Gaz. vol. 186; p. 336.
- Guett, Monroe, assignor to The Hart & Hegeman Manufacturing Company, Hartford, Conn. Electric switch. No. 1,054,110; Feb. 25; Gaz. vol. 187; p. 887.
- Guett, Monroe, assignor to The Hart & Hegeman Manufacturing Company, Hartford, Conn. Switch. No. 1,054,111; Feb. 25; Gaz. vol. 187; p. 887.
- Guett, Monroe, assignor to The Hart & Hegeman Manufacturing Company, Hartford, Conn. Electric switch. No. 1,058,051; Apr. 8; Gaz. vol. 189; p. 267.
- Guett, Monroe, assignor to The Hart & Hegeman Manufacturing Company, Hartford, Conn. Casing. No. 1,064,724; June 17; Gaz. vol. 191; p. 602.
- Guett, Monroe, assignor to The Hart & Hegeman Manufacturing Company, Hartford, Conn. Flush switch-mounting. No. 1,067,331; July 15; Gaz. vol. 192; p. 560.
- Guett, Monroe, assignor to The Hart & Hegeman Manufacturing Company, Hartford, Conn. Electric switch. No. 1,069,125; Aug. 5; Gaz. vol. 193; p. 12.
- Guett, Monroe, assignor to The Hart & Hegeman Manufacturing Company, Hartford, Conn. Electric switch. No. 1,069,126; Aug. 5; Gaz. vol. 193; p. 13.
- Guggenheim, Edgar, assignor of one-half to M. W. Schloss, New York, N. Y. Dispensing-receptacle. No. 1,070,598; Aug. 19; Gaz. vol. 193; p. 591.
- Gugler, Julius H., Minneapolis, Minn. Electric-battery cell. No. 1,055,165; Mar. 4; Gaz. vol. 188; p. 171.
- Gugler, Julius H., Milwaukee, Wis. Means for controlling electric circuits. No. 1,070,456; Aug. 19; Gaz. vol. 193; p. 541.
- Gugler, Julius H., and G. W. Colles, Milwaukee, Wis.; said Colles assignor to said Gugler. Primary-battery cell. No. 1,073,677; Sept. 23; Gaz. vol. 194; p. 785.
- Guiberson, Samuel A., Jr. (See Keck, William M., assignor.)
- Guiberson, Samuel A., Jr., Coalinga, Cal. Safety appliance for oil-well tubing. No. 1,050,127; Jan. 14; Gaz. vol. 186; p. 308.
- Guiberson, Samuel A., Jr., Coalinga, Cal. Casing-elevator. No. 1,073,750; Sept. 23; Gaz. vol. 194; p. 811.
- Guiberson, Samuel A., Jr., Coalinga, Cal. Casing-elevator. No. 1,073,751; Sept. 23; Gaz. vol. 194; p. 811.
- Guiberson, Samuel A., Jr., and H. Mead, Coalinga, Cal.; said Mead assignor to said Guiberson. Well-casing shoe. No. 1,062,647; May 27; Gaz. vol. 190; p. 825.
- Guice, Duke, Greenville, Ala. Crate. No. 1,061,371; May 13; Gaz. vol. 190; p. 311.
- Guido, Vito. (See Micco and Guido.)
- Guignard, Gaston P., Melun, and H. L. A. M. Watrigant, Lille, France. Extracting glycerin from vinasses. No. 1,078,580; Nov. 11; Gaz. vol. 196; p. 491.
- Guild, Winthrop L. (See Ricker and Guild.)
- Guile, Charles E., and T. W. Windnagle, Penn Yan, N. Y. Stave or splint basket made from veneer. No. 1,063,433; June 3; Gaz. vol. 191; p. 89.
- Guillery, René, assignor to Société des Etablissements Malicet et Blin, Aubervilliers, France. Compensation device for vehicle suspension. No. 1,075,415; Oct. 14; Gaz. vol. 195; p. 313.
- Guilliams, William W., Conesville, Ohio. Horseshoe. No. 1,059,457; Apr. 22; Gaz. vol. 189; p. 829.
- Guin, George W., and L. W. South Bend, Ind. Saw-filing machine. No. 1,076,112; Oct. 21; Gaz. vol. 195; p. 580.

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- Guterman, Kenneth S., New York, N. Y. Electrolysis and apparatus therefor. No. 1,062,966; May 27; Gaz. vol. 190; p. 929.
- Gujer, Henry, *et al.* (See Zahl, Hjalmar, assignor.)
- Gulbrandsen, Knud, Maywood, assignor to Armstrong Bros. Tool Company, Chicago, Ill. Safety lathe-dog. No. 1,066,899; July 8; Gaz. vol. 192; p. 375.
- Gulbransen, Axel G., assignor to Gulbransen-Dickinson Company, Chicago, Ill. Automatically-operated piano. No. 1,078,673; Nov. 18; Gaz. vol. 196; p. 555.
- Gulbransen-Dickenson Company. (See Gulbransen, Axel G., assignor.)
- Guleserian, Vahan, Buffalo, N. Y. Bulb. No. 1,055,272; Mar. 4; Gaz. vol. 188; p. 205.
- Gulick, Edward J., Chicago, Ill. Rear-axle structure for automobiles. No. 1,059,458; Apr. 22; Gaz. vol. 189; p. 829.
- Gulick, William R., Jersey City, N. J. Stove. No. 1,058,052; Apr. 8; Gaz. vol. 189; p. 268.
- Gully, Albert B., assignor to The Union Metallic Cartridge Company, Bridgeport, Conn. Mushroom-bullet. No. 1,070,457; Aug. 19; Gaz. vol. 193; p. 541.
- Gummersbach, Frederick J., New York, N. Y. Horseshoe. No. 1,057,957; Apr. 1; Gaz. vol. 189; p. 191.
- Gummi (U. S. A.) Limited. (See Olsson, Zacharias, assignor.)
- Gummo, Elmer P., Monument, Pa. Wrench. No. 1,074,547; Sept. 30; Gaz. vol. 194; p. 1102.
- Gundersen, Gilbert S., assignor of one-half to G. M. Smart, G. R. Wells, A. E. Ausman, O. Kolb, Dayton, and F. A. Tranchant, Osborn, Ohio. Automobile-axle. No. 1,051,995; Feb. 4; Gaz. vol. 187; p. 51.
- Gundlach, Edward L., St. Louis, Mo. Clasp. No. 1,065,240; June 17; Gaz. vol. 191; p. 770.
- Gunkel, Paul G. E. (See Dunster and Gunkel.)
- Gunkle, Albert, deceased; M. B. Gunkle, administratrix, La Fayette, Ind. Boiler-flue. No. 1,082,119; Dec. 23; Gaz. vol. 197; p. 846.
- Gunkle, Millie B., administratrix. (See Gunkle, Albert.)
- Gunn, Allison J., Cripple Creek, Colo. Sectional trunk. No. 1,080,056; Dec. 2; Gaz. vol. 197; p. 48.
- Gunn, Charles, Jr., Mount Royal, N. J. Self-heating sad-iron. No. 1,063,254; June 3; Gaz. vol. 191; p. 29.
- Gunn, John R., Detroit, Mich. Remote-control electric switch. No. 1,054,917; Mar. 4; Gaz. vol. 188; p. 90.
- Gunn, Joseph H., Cortland, N. Y. Electric signal for railways. No. 1,074,859; Oct. 7; Gaz. vol. 195; p. 91.
- Gunn, Robert W. (See Hardison, Gunn, and Thompson.)
- Gunn, Selim W., assignor of one-half to H. O. Williams, Feeding Hills, Mass. Tobacco-pipe. No. 1,058,232; Apr. 8; Gaz. vol. 189; p. 332.
- Gunnill, Fred J., *et al.* (See Carlson, Carl A., assignor.)
- Gunning, Delbert, *et al.* (See Moore, Llewellyn C., assignor.)
- Gunning, Thomas L., Chicago, Ill. Vehicle-tire. No. 1,060,080; Apr. 29; Gaz. vol. 189; p. 1077.
- Gunson, William F., and W. Park, Brantford, Ontario, Canada. Tellurian. No. 1,067,517; July 15; Gaz. vol. 192; p. 622.
- Günther, Oscar. (See Desamari, Günther, Schweitzer, and Zart.)
- Günther, Oscar, assignor to Farbenfabriken vorm. Friedr. Bayer & Co., Elberfeld, Germany. Azo coloring-matter. No. 1,074,429; Sept. 30; Gaz. vol. 194; p. 1066.
- Günther, Paul, Berlin, Germany. Lock. No. 1,052,052; Feb. 4; Gaz. vol. 187; p. 72.
- Gunton, Frank W. (See Smith and Gunton.)
- Günzel, Arno, Ziebigk, near Dessau, Germany. Treating ores, &c. No. 1,053,381; Feb. 18; Gaz. vol. 187; p. 602.
- Gunzenhauser, Jacob. (See Bennington and Gunzenhauser.)
- Guptill, Fredrick C., assignor of one-half to W. F. Lynch, Elgin, Ill. Window-lock. No. 1,049,707; Jan. 7; Gaz. vol. 186; p. 133.
- Gurchke, John A., Detroit, Mich. Milk-bottle safe. No. 1,060,081; Apr. 29; Gaz. vol. 189; p. 1077.
- Guricke, Arthur B., Glashütte, Germany. Traveling-case for type-writing machines, calculating-machines, and the like. No. 1,062,277; May 20; Gaz. vol. 190; p. 660.
- Gurney Electric Elevator Company. (See Gurney, Howard F., assignor.)
- Gurney Electric Elevator Company. (See Gurney and Coyle, assignors.)
- Gurney Foundry Company, The. (See Gurney, William C., assignor.)
- Gurney, Howard F., Hackensack, N. J., assignor to Gurney Electric Elevator Company, Honesdale, Pa. Safety device for elevators. No. 1,058,299; Apr. 8; Gaz. vol. 189; p. 354.
- Gurney, Howard F., Hackensack, N. J., and A. M. Coyle, New York, N. Y., assignors to Gurney Electric Elevator Company, Honesdale, Pa. Actuating mechanism for elevator safety devices. No. 1,058,670; Apr. 8; Gaz. vol. 189; p. 482.
- Gurney, William C., assignor to The Gurney Foundry Company, Limited, Toronto, Ontario, Canada. Water-heater. No. 1,054,406; Feb. 25; Gaz. vol. 187; p. 989.
- Gussettle, Benjamin, Ward Springs, Minn. Wagon-brake. No. 1,073,752; Sept. 23; Gaz. vol. 194; p. 812.
- Gustafson, A. S. (See Watt, James A., assignor.)
- Gustafson, Carl J., Aberdeen, S. D. Answering and recording telephone. No. 1,079,760; Nov. 25; Gaz. vol. 196; p. 963.
- Gustafson, Gustaf A. (See Clark and Gustafson.)
- Gustaveson, Frank, Wabasha, Minn. Heat-retaining means for waxed-thread sewing-machines. No. 1,070,338; Aug. 12; Gaz. vol. 193; p. 459.
- Gustin, John, Mervin, Saskatchewan, Canada. Stone-puller. No. 1,079,939; Dec. 2; Gaz. vol. 197; p. 6.
- Gustin, John E., Fort Dodge, Iowa. Electric high and low alarm for water-columns. No. 1,066,429; July 1; Gaz. vol. 192; p. 182.
- Gustin, Lewis V. (See Huxley, Floyde E., assignor.)
- Gustin, William M., Jamaica Plain, Mass., assignor to C. D. W. Halsey, New York, N. Y. Cloth-piling apparatus. No. 1,082,692; Dec. 30; Gaz. vol. 197; p. 1078.
- Gustin, William M., Jamaica Plain, Mass., assignor to C. D. W. Halsey, New York, N. Y. Piling mechanism. No. 1,082,693; Dec. 30; Gaz. vol. 197; p. 1078.
- Gutenkunst, William E., Jr. (See Van Sickle, Charles E., assignor.)
- Guth, Edwin F., St. Louis, Mo. Lighting-fixture. No. 1,076,418; Oct. 21; Gaz. vol. 195; p. 685.
- Guth, Edwin F., St. Louis, Mo. Lighting-fixture. No. 1,082,322; Dec. 23; Gaz. vol. 197; p. 918.
- Guthman, Eli A., New York, N. Y. Belt-buckle. No. 1,057,343; Mar. 25; Gaz. vol. 188; p. 1011.
- Guthorn, Seymour L., assignor to Vacuum Engineering Company, New York, N. Y. Pneumatic cleaning implement. No. 1,072,607; Sept. 9; Gaz. vol. 194; p. 349.
- Guthrie, Charles B., Slab Fork, W. Va. Collapsible shipping-crate. No. 1,079,702; Nov. 25; Gaz. vol. 196; p. 941.
- Guthrie, Edwin, Washington, D. C. Controller-crank fender-operator. No. 1,075,647; Oct. 14; Gaz. vol. 195; p. 393.
- Guthrie, Nehemiah, assignor of one-half to C. C. Welch, Womble, Ark. Range. No. 1,057,144; Mar. 25; Gaz. vol. 188; p. 946.
- Gutsch, Alfred O., Sheboygan, Wis. Furnace. No. 1,077,405; Nov. 4; Gaz. vol. 196; p. 59.
- Gutta Percha & Rubber Manufacturing Company. (See Spadone, Walter W., assignor.)
- Gutta Percha and Rubber Manufacturing Company of Toronto. (See Martin, George A., assignor.)
- Guttinger, Johann D., Zurich, Switzerland. Animal-comb. No. 1,058,705; Apr. 8; Gaz. vol. 189; p. 494.
- Guy, Albert E., Pittsburgh, Pa. Indicating torque-meter. No. 1,061,372; May 13; Gaz. vol. 190; p. 312.
- Guy, Albert E., assignor to Wilson-Snyder Centrifugal Pump Company, Pittsburgh, Pa. Stuffing-box for centrifugal pumps. No. 1,055,166; Mar. 4; Gaz. vol. 188; p. 172.
- Guy, Frederick S., and E. M. Smith, Peoria; said Guy assignor to S. C. Fiddymont, Lockport, Ill. Filter-press. No. 1,069,546; Aug. 5; Gaz. vol. 193; p. 158.
- Guy, James, Paola, Kans. Fly-trap. No. 1,065,241; June 17; Gaz. vol. 191; p. 770.
- Guy, John F., and J. H. Blom, Everett, Wash. Weed-pulling device. No. 1,061,175; May 6; Gaz. vol. 190; p. 210.
- Guy, John W., Mosby, Mo. Combined door-hanger and track. No. 1,052,719; Feb. 11; Gaz. vol. 187; p. 329.
- Guy, William H., Detroit, Mich. Cushioned sole and heel for shoes. No. 1,069,001; July 29; Gaz. vol. 192; p. 1203.
- Guye, Philippe A., Geneva, Switzerland. Recovering nitrous vapors or oxides of nitrogen diluted in indifferent gases. No. 1,057,052; Mar. 25; Gaz. vol. 188; p. 913.
- Guyn, Joshua F., Thorofare, N. J. Street-car fender. No. 1,081,736; Dec. 16; Gaz. vol. 197; p. 686.
- Guyton, William, Avalon, and R. Stinson, Pittsburgh, Pa. Flushing apparatus. No. 1,065,899; June 24; Gaz. vol. 191; p. 1031.
- Gwinn, George W., New York, N. Y., assignor to Automatic Packing & Labeling Company, Durham, N. C. Machine for packaging materials. No. 1,058,579; Apr. 8; Gaz. vol. 189; p. 450.
- Gwinn, George W., New York, N. Y., assignor to Automatic Packing & Labeling Company, Durham, N. C. Drying apparatus for stamps, labels, or sealing-strips. No. 1,074,358; Sept. 30; Gaz. vol. 194; p. 1042.
- Gwinn, John W., and J. Dawson, Turner, Wash. Flexible tube. No. 1,068,386; July 22; Gaz. vol. 192; p. 952.
- Gwózdź, Bronislaw, Schöneiche, near Berlin, Germany. Thermotelephone or the like. No. 1,064,471; June 10; Gaz. vol. 191; p. 481.
- Gyulay, Joe, Kansas City, Mo. Planter. No. 1,072,942; Sept. 9; Gaz. vol. 194; p. 469.
- H. Bridgman Smith Company. (See Crankshaw, Alfred H., assignor.)
- H. Koppers Company. (See Koppers, Heinrich, assignor.)
- H. McFarlane & Company. (See Heile and Snyder, assignors.)
- H. Mueller Mfg. Co. (See Mueller, Henry and P., assignors.)

Alphabetical list of patentees—Continued.

- H. Mueller Mfg. Co. (See Mueller, Philip, assignor.)
H. Mueller Mfg. Co. (See Mueller and Mern, assignors.)
H. Mueller Mfg. Co. (See Mueller and Schuermann, assignors.)
H. Mueller Mfg. Co. (See Schuermann, Anton C., assignor.)
H. Traiser & Co. (See Brunhoff, Edward, assignor.)
H. Wenzel Tent & Duck Co., The. (See Richling, William H., assignor.)
H. & B. American Machine Company. (See Jackson, John, assignor.)
H. & B. Manufacturing Company, The. (See Haggott, Warren A., assignor.)
H. & B. Manufacturing Company, The. (See Vesey, Richard H., assignor.)
H. C. Cook Company, The. (See Carter, Chapel S., assignor.)
H. C. Cook Company, The. (See Munger and Carter, assignors.)
H. D. Beach Company. (See Gibson and Marden, assignors.)
H. D. Smith & Company, The. (See Thomson, William S., assignor.)
H. K. Mulford Company, The. (See Turner, Joseph L., assignor.)
H. L. Hurst Manufacturing Company, The. (See Lamiell, Earld H., assignor.)
H. L. Judd Company. (See Lathrop, Frank L., assignor.)
H. N. Thayer Company. (See Thayer, Clark F., assignor.)
H. O. Peck Automobile Wheel Co. (See Peck, Jacob G., assignor.)
H. P. Patents and Processes Company. (See Hochstetter, Frederick W., assignor.)
H. T. Paiste Company. (See Paiste, Henry T., assignor.)
H. W. Johns-Manville Company. (See Christenson, George, assignor.)
H. W. Johns-Manville Company. (See De Wein, George F., assignor.)
H. W. Johns-Manville Company. (See Wardell, Henry R., assignor.)
Haage, Wilhelm, assignor to Firm of Gewerkschaft Pionier, Walsum-on-the-Rhine, Germany. Manufacturing briquets from ore or blast-furnace dust. No. 1,059,150; Apr. 15; Gaz. vol. 189; p. 687.
Haagenson, Benjamin T., Ashtabula, Ohio. Ice-breaking marine vessel. No. 1,071,735; Sept. 2; Gaz. vol. 194; p. 22.
Haak, Paul, Philadelphia, Pa. Non-refillable bottle. No. 1,072,449; Sept. 9; Gaz. vol. 194; p. 294.
Haarmann, August, Osnabrück, Germany. Means for fastening the rails to the sleepers. No. 1,061,538; May 13; Gaz. vol. 190; p. 372.
Haas, August, Grapeville, Pa. Combined life-boat and marine safe. No. 1,064,472; June 10; Gaz. vol. 191; p. 481.
Haas, August, Grapeville, Pa. Marine brake and shock-absorber. No. 1,064,473; June 10; Gaz. vol. 191; p. 482.
Haas, Charles, assignor to Herrenschildt & Co., Strassburg, Germany. Electric reversing-switch and circuit-closer. No. 1,074,860; Oct. 7; Gaz. vol. 195; p. 92.
Haas, Charles T., and R. C. Hunter, Tucumcari, N. Mex. Oil-burner. No. 1,053,987; Feb. 25; Gaz. vol. 187; p. 846.
Haas, Cyrus A., St. Louis, Mo. Check-valve for pneumatic tires. No. 1,050,942; Jan. 21; Gaz. vol. 186; p. 624.
Haas, Cyrus A., St. Louis, Mo. Valve-stem and check-valve therefor. No. 1,078,347; Nov. 11; Gaz. vol. 196; p. 413.
Haas, Cyrus A., St. Louis, Mo. Water-heater. No. 1,079,005; Nov. 18; Gaz. vol. 196; p. 672.
Haas, Daniel A., Stookey township, St. Clair county, Ill. Corn-planter. No. 1,054,538; Feb. 25; Gaz. vol. 187; p. 1032.
Haas, Herman P., Brussels, Belgium. Elastic tire for vehicle-wheels. No. 1,071,229; Aug. 26; Gaz. vol. 193; p. 834.
Haas, Philip, Dayton, Ohio. Flushing device for water-closets. No. 1,083,088; Dec. 30; Gaz. vol. 197; p. 1214.
Haas, Philip J., York, Nebr. Knife-sharpener. No. 1,055,739; Mar. 11; Gaz. vol. 188; p. 399.
Haas, Philip J., York, Nebr. Fence-post staple. No. 1,069,127; Aug. 5; Gaz. vol. 193; p. 13.
Haas, Philip M., Youngstown, Ohio. Straightening-machine. No. 1,070,030; Aug. 12; Gaz. vol. 193; p. 353.
Haas, Philip M., Youngstown, Ohio. Machine for reducing the section of metal blanks. No. 1,072,001; Sept. 2; Gaz. vol. 194; p. 115.
Haas, Samuel, New York, N. Y. Spool-rack. No. 1,063,920; June 3; Gaz. vol. 191; p. 257.
Haas, William F., Hartford, Conn. Automobile-tire. No. 1,063,196; June 3; Gaz. vol. 191; p. 10.
Habbert, Henry, B. U. Nixdorf, and A. Rupscheidt, deceased, Spring Garden borough; H. J. Schuh, executor, assignor to E. J. Geyer, Pittsburgh, Pa. Trolley. No. 1,055,273; Mar. 4; Gaz. vol. 188; p. 205.
Habecker, Christian H., Rohrerstown, Pa. Corn-harvester. No. 1,068,647; July 29; Gaz. vol. 192; p. 1080.
Habel, Richard P., Sturgis, S. D. Wrench. No. 1,075,100; Oct. 7; Gaz. vol. 195; p. 176.
Habenicht, Charles A., Laurel, Mont. Faucet. No. 1,067,108; July 8; Gaz. vol. 192; p. 445.
Haberland, Hermann, assignor to Salzbergwerk Neu-Stassfurt und Theilnehmer, Zscherndorf, near Bitterfeld, Germany. Making high-percentage crystallized potassium hydrate. No. 1,050,453; Jan. 14; Gaz. vol. 186; p. 421.
Habermann, Charles, assignor to O. Schmidt, Jersey City, N. J. Banjo, drum, or similar musical instrument. No. 1,080,440; Dec. 2; Gaz. vol. 197; p. 184.
Hachmeister, Henry W., James City, assignor to J. W. Cruikshank, Pittsburgh, Pa. Apparatus for delivering abrasive material. No. 1,063,434; June 3; Gaz. vol. 191; p. 89.
Hackes, Sidney, Mount Vernon, N. Y. Letter and numeral outline. No. 1,063,969; June 10; Gaz. vol. 191; p. 307.
Hackett, Alfred, Toronto, Ontario, Canada. Hydrocarbon-gas producer. No. 1,058,966; Apr. 15; Gaz. vol. 189; p. 624.
Hackett, Alfred, Toronto, Ontario, Canada. Steam-generator. No. 1,076,824; Oct. 28; Gaz. vol. 195; p. 882.
Hackh, Eugen, Stuttgart, Germany. Toy projectile. No. 1,081,037; Dec. 9; Gaz. vol. 197; p. 418.
Hackley, George T., Los Angeles, Cal. Pressure-gage. No. 1,061,472; May 13; Gaz. vol. 190; p. 347.
Hackney, L. S. (See Goldman, Isaac S., assignor.)
Hackney, Leslie S., St. Paul, Minn. Plow-adjusting device for gang-plows. No. 1,064,967; June 17; Gaz. vol. 191; p. 681.
Hackney, Leslie S., St. Paul, Minn. Motor-plow. No. 1,069,002; July 29; Gaz. vol. 192; p. 1203.
Hackney, Leslie S., St. Paul, Minn. Motor-plow. No. 1,074,115; Sept. 30; Gaz. vol. 194; p. 962.
Hackney, Leslie S., St. Paul, Minn. Cooling system for internal-combustion engines. No. 1,075,351; Oct. 14; Gaz. vol. 195; p. 290.
Hackney Manufacturing Company. (See Froelich, John, assignor.)
Hackworth, Thomas R., Richard City, Tenn. Roofing. No. 1,052,245; Feb. 4; Gaz. vol. 187; p. 139.
Hadaway, John B., Swampscott, Mass., assignor to United Shoe Machinery Company, Paterson, N. J. Tack pulling and resetting machine. No. 1,049,474; Jan. 7; Gaz. vol. 186; p. 52.
Hadaway, John B., Swampscott, Mass., assignor to United Shoe Machinery Company, Paterson, N. J. Leather-cutting machine. No. 1,082,629; Dec. 30; Gaz. vol. 197; p. 1056.
Hadaway, William H., Kennesaw, Ga. Lock. No. 1,070,599; Aug. 19; Gaz. vol. 193; p. 591.
Hadaway, William S., Jr., New York, N. Y. Electric heating device. No. 1,063,535; June 3; Gaz. vol. 191; p. 122.
Hadaway, William S., Jr., New York, N. Y. Regulator for electric fluid-heaters. No. 1,080,214; Dec. 2; Gaz. vol. 197; p. 103.
Hadaway, William S., Jr., East Orange, N. J., assignor to Westinghouse Electric and Manufacturing Company. Thermostat. No. 1,052,816; Feb. 11; Gaz. vol. 187; p. 364.
Hadaway, William S., Jr., East Orange, N. J., assignor, by mesne assignments, to Westinghouse Electric & Manufacturing Company. Electric heating device. No. 1,068,763; July 29; Gaz. vol. 192; p. 1120.
Hadaway, William S., Jr., East Orange, N. J., assignor to Westinghouse Electric and Manufacturing Company. Electrically-heated stove unit. No. 1,075,472; Oct. 14; Gaz. vol. 195; p. 333.
Hadaway, William S., Jr., East Orange, N. J., assignor to Westinghouse Electric and Manufacturing Company. Electric soldering-iron. No. 1,075,473; Oct. 14; Gaz. vol. 195; p. 333.
Hadden, Arthur A. (See May, Lincoln S., assignor.)
Hadden, John S., Huntington Park, assignor of one-half to F. H. Johnson, South Pasadena, Cal. Lawn-sprinkling device. No. 1,078,432; Nov. 11; Gaz. vol. 196; p. 443.
Hadden, John S., Huntington Park, assignor of one-half to F. H. Johnson, South Pasadena, Cal. Lawn-sprinkling device. No. 1,078,543; Nov. 11; Gaz. vol. 196; p. 479.
Hadden, John S., Huntington Park, and F. H. Johnson, South Pasadena, Cal. Sprinkler. No. 1,078,433; Nov. 11; Gaz. vol. 196; p. 444.
Hadden, William, Crafton, Pa. Trolley-support. No. 1,049,576; Jan. 7; Gaz. vol. 186; p. 89.
Haddix, James P., Merna, Nebr. Track-laying machine. No. 1,056,096; Mar. 18; Gaz. vol. 188; p. 555.
Haddock, Henry E., Collinwood, Ohio, assignor to The J. G. Brill Company, Philadelphia, Pa. Passenger-car. No. 1,054,539; Feb. 25; Gaz. vol. 187; p. 1033.
Haddock, Henry E., Cleveland, Ohio, assignor to The J. G. Brill Company, Philadelphia, Pa. Car construction. No. 1,054,540; Feb. 25; Gaz. vol. 187; p. 1033.
Haddock, William F., Shreveport, La. Centering-tool. No. 1,076,979; Oct. 28; Gaz. vol. 195; p. 937.
Haddow, William, Ossining, N. Y. Draw-bench. No. 1,057,730; Apr. 1; Gaz. vol. 189; p. 114.

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- Hadfield, John, Akron, Ohio. Receptacle. No. 1,053,492; Feb. 18; Gaz. vol. 187; p. 641.
- Hadfield, Robert A., Sheffield, England. Gun-house for use in war-ships, forts, and the like. No. 1,055,032; Mar. 4; Gaz. vol. 188; p. 129.
- Hadfield, Robert A., Sheffield, England. Manufacture of track structures for railways and the like. No. 1,058,967; Apr. 15; Gaz. vol. 189; p. 624.
- Hadfield, Robert A., Sheffield, England. Making alloys. No. 1,061,373; May 13; Gaz. vol. 190; p. 312.
- Hadfield, Robert A., Sheffield, England. Improving the magnetic qualities of a magnetic body. No. 1,082,947; Dec. 30; Gaz. vol. 197; p. 1166.
- Hadfield, Robert A., Sheffield, England. Improving the magnetic qualities of a magnetic body. No. 1,082,948; Dec. 30; Gaz. vol. 197; p. 1166.
- Hadfield, Robert A., Westminster, A. M. Jack and A. B. H. Clerke, Sheffield, England. Cap for armor-piercing projectiles. No. 1,076,419; Oct. 21; Gaz. vol. 195; p. 686.
- Hadka, Joseph, Chicago, Ill. Automobile-fender. No. 1,062,705; May 27; Gaz. vol. 190; p. 843.
- Hadka, Joseph, Chicago, Ill. Automobile-fender. No. 1,062,706; May 27; Gaz. vol. 190; p. 843.
- Hadley, Artemas N., Indianapolis, Ind. Stalk-harvester. No. 1,061,473; May 13; Gaz. vol. 190; p. 347.
- Hadley, Charles R. (See Cohn, Max M., assignor.)
- Hadley Jewelry Company. (See Kuehner, Charles P., assignor.)
- Hadley, Percy, Montreal, Quebec, Canada. Railway-rail chair. No. 1,067,332; July 15; Gaz. vol. 192; p. 560.
- Hadley, Walter E., Coatesville, Pa. Clothes-line holder. No. 1,062,457; May 20; Gaz. vol. 190; p. 719.
- Haefely, Emil, Basel, Switzerland, assignor to Westinghouse Electric and Manufacturing Company. Insulating-tube machine. No. 1,067,333; July 15; Gaz. vol. 192; p. 560.
- Haennig, Joseph F., Masonville, Iowa. Automatic pump-vent. No. 1,053,382; Feb. 18; Gaz. vol. 187; p. 602.
- Haennig, Joseph F., Masonville, Iowa. Pump attachment. No. 1,069,003; July 29; Gaz. vol. 192; p. 1203.
- Haertel, Georg, Berlin, Germany. Apparatus for administering narcotics. No. 1,061,539; May 13; Gaz. vol. 190; p. 372.
- Haeseler, Charles H., Philadelphia, Pa. Percussive tool. No. 1,053,383; Feb. 18; Gaz. vol. 187; p. 603.
- Haeseler, Charles H., Philadelphia, Pa. Rotary percussive tool. No. 1,074,116; Sept. 30; Gaz. vol. 194; p. 962.
- Haeusler, Charles D., Kressbronn, Bodensee, Germany. Suction and compression apparatus. No. 1,075,711; Oct. 14; Gaz. vol. 195; p. 413.
- Hafemann, Louis, Yonkers, assignor to F. P. Waring, New York, N. Y. Automatic feeding and weighing attachment for hat-body-forming machines. No. 1,056,536; Mar. 18; Gaz. vol. 188; p. 707.
- Hafertepen, Anthony B. (See Sauer, Frank C., assignor.)
- Haff, Howell W. (See Andrick, Lowe, and Haff.)
- Haff, Maximilian M. (See Willson and Haff.)
- Haff, Maximilian M., assignor to T. L. Willson, Ottawa, Ontario, Canada. Separating phosphoric acid from natural phosphates. No. 1,076,497; Oct. 21; Gaz. vol. 195; p. 713.
- Haff, Maximilian M., and T. L. Willson, Ottawa, Ontario, Canada; said Haff assignor to said Willson. Separating phosphoric acid from natural phosphates. No. 1,076,499; Oct. 21; Gaz. vol. 195; p. 714.
- Haffey, James F., Tiffin, Ohio. Device for feeding poultry. No. 1,069,943; Aug. 12; Gaz. vol. 193; p. 323.
- Hafner, William H., assignor to The Laurel Cut Glass Co., Jermyn, Pa. Bowl. No. 1,055,740; Mar. 11; Gaz. vol. 188; p. 400.
- Haga, Ottar B., assignor of one-half to J. Vatne, Seattle, Wash. Whiffetree-hook. No. 1,078,434; Nov. 11; Gaz. vol. 196; p. 444.
- Hagan, Francis D., McKinney, Tex. Cattle-guard. No. 1,076,420; Oct. 21; Gaz. vol. 195; p. 686.
- Hagan Gas Engine & Mfg. Co. (See Hagan, Louis T., assignor.)
- Hagan, Herschell L., assignor to Chicago Carton Company, Chicago, Ill. Locking device for suit-cases or receptacles. No. 1,057,145; Mar. 25; Gaz. vol. 188; p. 946.
- Hagan, Louis T., assignor to Hagan Gas Engine & Mfg. Co., Winchester, Ky. Motor-plow and traction-engine. No. 1,077,878; Nov. 4; Gaz. vol. 196; p. 218.
- Hagan, Samuel, Newark, Ohio. Hose-supporter. No. 1,063,873; June 3; Gaz. vol. 191; p. 240.
- Hager, Alfred R. (See Werd and Stevens, assignors.)
- Hagelstein, Christian H. T., Dorchester, assignor to The Reece Button Hole Machine Company, Boston, Mass. Button-attaching machine. No. 1,077,602; Nov. 4; Gaz. vol. 196; p. 124.
- Hagemeyer, Frederick W., New York, N. Y. Window-shade support. No. 1,079,940; Dec. 2; Gaz. vol. 197; p. 6.
- Hagen, Claude L., New York, N. Y. Clamp. No. 1,063,970; June 10; Gaz. vol. 191; p. 308.
- Hagen, Claude L., New York, N. Y. Training-machine. No. 1,064,968; June 17; Gaz. vol. 191; p. 681.
- Hager, Emil and F., Boston, Mass. Vegetable cutting and fashioning machine. No. 1,068,123; July 22; Gaz. vol. 192; p. 859.
- Hager, Fritz. (See Hager, Emil and F.)
- Hager, George C., Danbury, Conn. Rail-joint. No. 1,070,802; Aug. 19; Gaz. vol. 193; p. 659.
- Hager, John E., New York, N. Y. Advertising device. No. 1,058,233; Apr. 8; Gaz. vol. 189; p. 332.
- Hager, Robert, Sr., St. Louis, Mo. Light. No. 1,053,807; Feb. 18; Gaz. vol. 187; p. 748.
- Hagerman, Alfred, Chanute, Kans. Hay-derrick. No. 1,061,838; May 13; Gaz. vol. 190; p. 469.
- Hagerman, Robert O., Butte, Mont. Hollow partition. No. 1,073,041; Sept. 9; Gaz. vol. 194; p. 503.
- Hagerstown Legging Company, The. (See Schwartz, Max, assignor.)
- Hagerstrom, John A., New York, N. Y., assignor, by mesne assignments, to Victor Typewriter Company. Typewriting machine. (Reissue.) No. 13,649; Nov. 18; Gaz. vol. 196; p. 778.
- Hagerty, George F., et al. (See Stenersen, Ole, assignor.)
- Hagerty, James C., assignor to The Cable Company, Chicago, Ill. Tracker-board. No. 1,068,479; July 15; Gaz. vol. 192; p. 609.
- Hagg, Virgil B., assignor to Continental Water Purifying Corporation, Los Angeles, Cal. Water-purifier. No. 1,052,440; Feb. 4; Gaz. vol. 187; p. 204.
- Haggard, George B., Waycross, Ga. Lining for fireplaces. No. 1,069,944; Aug. 12; Gaz. vol. 193; p. 324.
- Haggard, John D., assignor to Haggard & Marcusson Company, Chicago, Ill. Metallic fabric. No. 1,062,967; May 27; Gaz. vol. 190; p. 930.
- Haggard & Marcusson Company. (See Haggard, John D., assignor.)
- Haggart, William R., Philadelphia, Pa. Packing and making same. No. 1,076,282; Oct. 21; Gaz. vol. 195; p. 636.
- Haggerty, John, New York, N. Y. Pile-fabric loom. No. 1,059,151; Apr. 15; Gaz. vol. 189; p. 687.
- Haggerty, John D. (See Monroe, Fred R., assignor.)
- Hagglund, Hans E. (See Wing, Daniel B., assignor.)
- Haggott, Warren A., assignor to The H. & B. Manufacturing Company, Denver, Colo. Journal-lubricator. No. 1,057,824; Apr. 1; Gaz. vol. 189; p. 147.
- Hagler, John E., Samantha, Ala. Machine for catching and gathering boll-weevils. No. 1,067,651; July 15; Gaz. vol. 192; p. 668.
- Hagmueller, Herbert E., Hoboken, N. J. Hood for mouth-pieces of pipes or the like. No. 1,079,703; Nov. 25; Gaz. vol. 196; p. 941.
- Hagstrom, Carl J., Glen Cove, N. Y. Door or window fastener. No. 1,060,251; Apr. 29; Gaz. vol. 189; p. 1136.
- Hahl Automatic Clock Company. (See Hale, Charles B., assignor.)
- Hahn, Alexander, New York, N. Y. Fastening device for folding tables. No. 1,079,006; Nov. 18; Gaz. vol. 196; p. 672.
- Hahn, Elgy, Milwaukee, Wis. Nut construction. No. 1,062,000; May 20; Gaz. vol. 190; p. 565.
- Hahn, Herman, assignor of one-fourth to W. N. McCaw, one-fourth to A. J. Stergios, and one-fourth to W. S. Fleming, San Francisco, Cal. Vegetable-peeling machine. No. 1,053,094; Feb. 11; Gaz. vol. 187; p. 460.
- Hahn, Howard H., Kenosha, Wis. Wall construction. No. 1,054,199; Feb. 25; Gaz. vol. 187; p. 918.
- Hahn, John, Los Angeles, Cal. Packing. No. 1,068,337; July 22; Gaz. vol. 192; p. 936.
- Hahn, John, Los Angeles, Cal. Sucker-rod and the like. No. 1,077,931; Nov. 4; Gaz. vol. 196; p. 237.
- Hahn, John N., Cleveland, Ohio. Packing-case. No. 1,059,359; Apr. 22; Gaz. vol. 189; p. 794.
- Hahn, Otto W., San Francisco, Cal. Gear-shifting-lever lock. No. 1,050,016; Jan. 7; Gaz. vol. 186; p. 236.
- Hahn, Otto W., San Francisco, Cal. Gear-shifting-lever lock. No. 1,061,938; May 13; Gaz. vol. 190; p. 503.
- Hahn, Paul, Niederlahnstein, Germany. Machine for mercerizing yarn in skeins. No. 1,053,911; Feb. 18; Gaz. vol. 187; p. 782.
- Hahn, William B., Paris, Tex. Loading and unloading mechanism for mixing-drums or other receptacles. No. 1,063,159; May 27; Gaz. vol. 190; p. 992.
- Hahn, William M. (See Mueller, John F., assignor.)
- Hahnwald, Paul. (See Dietrich, Joseph F., assignor.)
- Haig, Charles H., New York, N. Y. Cleaning device for tobacco-pipes and the like. No. 1,081,038; Dec. 9; Gaz. vol. 197; p. 418.
- Haigh, Joseph, assignor of one-half to J. H. Childers, Muskogee, Okla. Galvanic battery. No. 1,073,753; Sept. 23; Gaz. vol. 194; p. 812.
- Halle, James T., Alpine, Tex. Truss. No. 1,051,325; Jan. 21; Gaz. vol. 186; p. 753.
- Hailwood, Ernest A., Morley, England. Apparatus for igniting miners' safety-lamps. No. 1,060,978; May 6; Gaz. vol. 190; p. 145.
- Haiman, Elias, assignor to The Empire Plow Company, Cleveland, Ohio. Bar for plow-points. No. 1,053,493; Feb. 18; Gaz. vol. 187; p. 641.
- Hainer, Whitfield, Toronto, Ontario, Canada. Autographic register. No. 1,054,644; Feb. 25; Gaz. vol. 187; p. 1069.

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- Haines, Arthur P., assignor to Penobscot Fish Company, Rockland, Me. Refrigerating shipping-case. No. 1,080,215; Dec. 2; Gaz. vol. 197; p. 104.
- Haines, Frank P., Zanesville, Ohio. Self-locking screw. No. 1,070,247; Aug. 12; Gaz. vol. 193; p. 428.
- Haines, Gerald F., Rosebank, N. Y. Transmission-gearing. No. 1,069,004; July 29; Gaz. vol. 192; p. 1203.
- Haines, John H. J., New York, N. Y. Telegraphone. No. 1,079,123; Nov. 18; Gaz. vol. 196; p. 713.
- Haines, Loda E. (See Cunningham and Haines.)
- Hainisch, Victor, Vienna, Austria-Hungary. Cork-extractor. No. 1,062,458; May 20; Gaz. vol. 190; p. 720.
- Hains, Peter C., Sr., Washington, D. C., assignor to Automatic Concrete Mixer Company, New York, N. Y. Concrete-mixing apparatus. No. 1,051,883; Feb. 4; Gaz. vol. 187; p. 12.
- Hainsworth, George A. J., Newark, Ohio. Bolt-thread-rolling mechanism. No. 1,055,459; Mar. 11; Gaz. vol. 188; p. 308.
- Haire, Thomas L., assignor of two-thirds to D. F. Brady, Providence, R. I. Detachable calk for horseshoes. No. 1,082,421; Dec. 23; Gaz. vol. 197; p. 950.
- Hairston, C. C. (See Whiting, Nathan C., assignor.)
- Hairston, William R. D., Nettleton, Miss. Blacksmith's tongs. No. 1,069,005; July 29; Gaz. vol. 192; p. 1204.
- Haiss, Hugo, Marietta, Pa. Forging-press. No. 1,061,839; May 13; Gaz. vol. 190; p. 469.
- Hajek, Rudolf, Vienna, Austria-Hungary, assignor to H. Hurwitz & Co., Berlin, Germany. Producing printing-surfaces. No. 1,067,652; July 15; Gaz. vol. 192; p. 668.
- Hake, William C., St. Louis, Mo. Snipper for leather or fabric. No. 1,052,053; Feb. 4; Gaz. vol. 187; p. 72.
- Hakes, George G., Ilion, N. Y. Broom or mop holder. No. 1,081,381; Dec. 16; Gaz. vol. 197; p. 571.
- Halbleib, Edward A., assignor to North East Electric Company, Rochester, N. Y. Speed-governor for motor-vehicles. No. 1,055,741; Mar. 11; Gaz. vol. 188; p. 400.
- Halbleib, Edward A., assignor to North East Electric Company, Rochester, N. Y. Engine-starting apparatus. No. 1,068,427; July 29; Gaz. vol. 192; p. 1004.
- Halbleib, Edward A., assignor to North East Electric Company, Rochester, N. Y. Engine-starting apparatus. No. 1,072,002; Sept. 2; Gaz. vol. 194; p. 115.
- Halbleib, Edward A., assignor to Northeast Electric Company, Rochester, N. Y. Engine-starting apparatus. No. 1,074,790; Oct. 7; Gaz. vol. 195; p. 70.
- Halbleib, Edward A., assignor to North East Electric Company, Rochester, N. Y. Brush-holder for electric motors or generators. No. 1,078,194; Nov. 11; Gaz. vol. 196; p. 358.
- Halbleib, Edward A., Rochester, N. Y., assignor to North East Electric Company. Electric switch. No. 1,078,195; Nov. 11; Gaz. vol. 196; p. 358.
- Halbleib, Edward A., assignor to North East Electric Company, Rochester, N. Y. Electric switch. No. 1,082,694; Dec. 30; Gaz. vol. 197; p. 1078.
- Halbow, Gustav, New York, N. Y. Water-skate. No. 1,057,731; Apr. 1; Gaz. vol. 189; p. 114.
- Haldeman, Allen F., New Paris, Ohio. Track or roadway for the use of motor-propelled vehicles. No. 1,070,248; Aug. 12; Gaz. vol. 193; p. 428.
- Haldeman, Hattie E., executrix. (See Haldeman, John R.)
- Haldeman, John R., deceased, Kansas City, Mo.; H. E. Haldeman, executrix. Loose-leaf holder. No. 1,076,570; Oct. 21; Gaz. vol. 195; p. 739.
- Hale, Arthur, New York, N. Y. Head-covering provided with bands. No. 1,051,326; Jan. 21; Gaz. vol. 186; p. 754.
- Hale, Arthur, New York, N. Y. Head-covering. No. 1,057,825; Apr. 1; Gaz. vol. 189; p. 148.
- Hale, Arthur, Rowlandsville, Md. Washable slipper. No. 1,057,826; Apr. 1; Gaz. vol. 189; p. 148.
- Hale, Charles B., Park Ridge, assignor to Hahl Automatic Clock Company, Chicago, Ill. Escapement mechanism. No. 1,068,764; July 29; Gaz. vol. 192; p. 1120.
- Hale, Charles J., assignor to United States Metal Products Co., New York, N. Y. Metal frame for doors, windows, and the like. No. 1,071,911; Sept. 2; Gaz. vol. 194; p. 84.
- Hale, Frank A., Chicago, Ill. Perpetual memorandum-calendar. No. 1,064,826; June 17; Gaz. vol. 191; p. 635.
- Hale, George L., Antigo, assignor to The Hale-Mylrea Lumber Company, Wausau, Wis. Log-bunk for railway-cars. No. 1,058,053; Apr. 8; Gaz. vol. 189; p. 268.
- Hale, Harold, Harrow, England. Cooling device. No. 1,076,421; Oct. 21; Gaz. vol. 195; p. 686.
- Hall, Holly, and J. T. Wright, Slocumb, Ark. Nut-lock. No. 1,081,499; Dec. 16; Gaz. vol. 197; p. 611.
- Hall, James T., assignor to Bunting Iron Works, Coalunga, Cal. Lubricating-pulley. No. 1,082,193; Dec. 23; Gaz. vol. 197; p. 871.
- Hale, Joshua B., assignor to W. H. Barney, Providence, R. I. Paper-clip. No. 1,070,683; Aug. 19; Gaz. vol. 193; p. 619.
- Hale and Kilburn Company. (See Budd, Edward G., assignor.)
- Hale and Kilburn Company. (See Gravel, James H., assignor.)
- Hale and Kilburn Company. (See Lambert, Albert L., assignor.)
- Hale, Leigh E. (See Bailey and Hale.)
- Hale-Mylrea Lumber Company, The. (See Hale, George L., assignor.)
- Hale, Perley, Chicago, Ill. Tide-motor. No. 1,055,033; Mar. 4; Gaz. vol. 188; p. 130.
- Hale, Perley, San Diego, Cal. Tide-motor. No. 1,076,498; Oct. 21; Gaz. vol. 195; p. 713.
- Hale, Simon W., St. Joseph, Mo. Knife-sharpener. No. 1,069,612; Aug. 5; Gaz. vol. 193; p. 180.
- Hale, Thomas E., Caribou, Me. Potato-digger. No. 1,078,435; Nov. 11; Gaz. vol. 196; p. 444.
- Haley, Isaac N., Philadelphia, Pa. Nail-puller. No. 1,074,617; Oct. 7; Gaz. vol. 195; p. 10.
- Haley, Joseph W., and C. B. Yelton, Erlanger, Ky. Register for lumber measurements. No. 1,057,637; Apr. 1; Gaz. vol. 189; p. 82.
- Haley, Sydney C., assignor of one-half to O. W. Sadler, Jr., Eustis, Fla. Shipping-box. No. 1,055,034; Mar. 4; Gaz. vol. 188; p. 130.
- Haley, William F., Springfield, Mass. Toy aeroplane. No. 1,063,536; June 3; Gaz. vol. 191; p. 123.
- Halfpenny, James M., assignor to J. M. Halfpenny and L. D. Roberts, Juniata, Pa. Railway-tie and rail-seat. No. 1,062,459; May 20; Gaz. vol. 190; p. 720.
- Hall, Adelbert E., Bay City West, Mich. Valve-gear. No. 1,078,277; Nov. 11; Gaz. vol. 196; p. 387.
- Hall, Alfred, Cleveland, Ohio. Stamp-affixer. No. 1,065,043; June 17; Gaz. vol. 191; p. 704.
- Hall, Alfred, Los Gatos, Cal., assignor of one-third to W. W. Whitten, Dorchester, Mass. Stamp-affixing device. No. 1,071,912; Sept. 2; Gaz. vol. 194; p. 84.
- Hall, Alonzo C., Richmond, Va. Combined match-box and burnt-match receptacle. No. 1,058,671; Apr. 8; Gaz. vol. 189; p. 482.
- Hall, Arthur C., et al. (See Briede, Joseph H., assignor.)
- Hall, Arthur C., Fulton, N. Y. Engine. No. 1,063,537; June 3; Gaz. vol. 191; p. 123.
- Hall-Borchert Dress Form Co. (See Granger, Frank B., assignor.)
- Hall, Cassius L., Ypsilanti, Mich. Manually-propelled vehicle. No. 1,050,454; Jan. 14; Gaz. vol. 186; p. 421.
- Hall, Chalmers G., Fort Leavenworth, Kans. Automatic change-speed gearing. No. 1,054,346; Feb. 25; Gaz. vol. 187; p. 968.
- Hall, Charles, Detroit, Mich. Animal-trap. No. 1,063,347; June 3; Gaz. vol. 191; p. 60.
- Hall, Charles E. (See Kesselbuth, Edward H., assignor.)
- Hall, Charles E., Childress, Tex. Automatic air-brake applicator. No. 1,081,303; Dec. 16; Gaz. vol. 197; p. 544.
- Hall, Charles M., Marion, Ind. Boiler-tube cleaner. No. 1,069,128; Aug. 5; Gaz. vol. 193; p. 13.
- Hall, Clare H., assignor to Corona Chemical Company, Milwaukee, Wis. Acid arsenate of lead. No. 1,064,639; June 10; Gaz. vol. 191; p. 537.
- Hall, E. J., et al. (See Connor, Thomas, assignor.)
- Hall, Edward H. (See Curtis and Hall.)
- Hall, Elbert J., West Berkeley, Cal. Transmission mechanism. No. 1,063,874; June 3; Gaz. vol. 191; p. 240.
- Hall, Elbert J., West Berkeley, Cal. Internal-combustion engine. No. 1,078,919; Nov. 18; Gaz. vol. 196; p. 641.
- Hall, Ernest C. (See Dunn, Patrick H., assignor.)
- Hall, Francis C., Kansas City, Mo. Chair. No. 1,058,300; Apr. 8; Gaz. vol. 189; p. 355.
- Hall, Francis G., Jr., Dansville, N. Y. Exhaust-silencer. No. 1,076,571; Oct. 21; Gaz. vol. 195; p. 739.
- Hall, Frank B., Newton Falls, Ohio. Cable-hanger. No. 1,058,364; Apr. 8; Gaz. vol. 189; p. 378.
- Hall, Frank H., Boston, assignor to W. Firth, Chestnut Hill, Mass. Stop-motion. No. 1,076,980; Oct. 28; Gaz. vol. 195; p. 937.
- Hall, Fred C., Wilkinsburg, Pa., assignor to Westinghouse Electric and Manufacturing Company. Frame of dynamo-electric machines. No. 1,059,048; Apr. 15; Gaz. vol. 189; p. 652.
- Hall, Frederick M., Waterbury, Conn. Multiple-tool holder. No. 1,064,725; June 17; Gaz. vol. 191; p. 603.
- Hall, Frederick N., Rochester, assignor to General Railway Signal Company, Gates, N. Y. Retaining mechanism. No. 1,077,136; Oct. 28; Gaz. vol. 195; p. 987.
- Hall, Frederick P., and J. O. Sharpe, Newark, N. J. Interchangeable electric sign and lamp therefor. No. 1,067,024; July 8; Gaz. vol. 192; p. 416.
- Hall, George F., Newark, assignor of one-half to G. E. Hill, East Orange, N. J. Compound instrument. No. 1,068,124; July 22; Gaz. vol. 192; p. 859.
- Hall, George W. (See Thompson and Hall.)
- Hall, Grant M., Keene, N. H. Sanding-machine. No. 1,060,565; Apr. 29; Gaz. vol. 189; p. 1247.
- Hall, Green M., assignor of one-half to A. H. Robinson, Canton, N. C. Nut-lock. No. 1,057,482; Apr. 1; Gaz. vol. 189; p. 30.
- Hall, Harry A., assignor to The Hoosier Manufacturing Company, Newcastle, Ind. Sifter for flour-bins. No. 1,075,474; Oct. 14; Gaz. vol. 195; p. 333.
- Hall, Hartwell & Co. (See McKay, Joseph, assignor.)
- Hall, Harvey H., Golden, Colo., assignor to The Ideal Disappearing Wall Bed Company. Folding wall-bed. No. 1,058,580; Apr. 8; Gaz. vol. 189; p. 451.

Alphabetical list of patentees—Continued.

- Hall, Harvey H., assignor to The Ideal Disappearing Wall Bed Company, Denver, Colo. Disappearing wall-bed. No. 1,060,753; May 6; Gaz. vol. 190; p. 65.
- Hall, Henry E., Elyria, assignor to The Thomas Manufacturing Company, Dayton, Ohio. Door-securer. No. 1,050,360; Jan. 14; Gaz. vol. 186; p. 388.
- Hall, Herman S., Malden, assignor to The Vapo Company, Boston, Mass. Muffler. No. 1,070,956; Aug. 19; Gaz. vol. 193; p. 707.
- Hall, Hiram P., New York, N. Y., assignor to E. I. du Pont de Nemours Powder Company, Wilmington, Del. Dipping-machine. No. 1,062,001; May 20; Gaz. vol. 190; p. 566.
- Hall, Holmes. (See Weist, Martin S., assignor.)
- Hall, James H., Brooklyn, N. Y. Safety elevator-car. No. 1,073,898; Sept. 23; Gaz. vol. 194; p. 860.
- Hall, James T., assignor to Bunting Iron Works, Coalinga, Cal. Construction of calf-wheels for oil-derricks. No. 1,052,915; Feb. 11; Gaz. vol. 187; p. 399.
- Hall, James T., assignor to Bunting Iron Works, Coalinga, Cal. Calf-wheel for oil-derricks. No. 1,052,916; Feb. 11; Gaz. vol. 187; p. 399.
- Hall, Jay H. (See Eastwood and Hall.)
- Hall, Jay H., assignor to The Electric Controller and Manufacturing Company, Cleveland, Ohio. Circuit-controlling system. No. 1,053,494; Feb. 18; Gaz. vol. 187; p. 642.
- Hall, Jay H., assignor to The Electric Controller and Manufacturing Company, Cleveland, Ohio. Circuit-controlling system. No. 1,053,495; Feb. 18; Gaz. vol. 187; p. 642.
- Hall, Jay H., assignor to The Electric Controller and Manufacturing Company, Cleveland, Ohio. Electric controller. No. 1,053,496; Feb. 18; Gaz. vol. 187; p. 642.
- Hall, Jay H., assignor to The Electric Controller and Manufacturing Company, Cleveland, Ohio. Electric controller. No. 1,053,497; Feb. 18; Gaz. vol. 187; p. 643.
- Hall, Jay H., assignor to The Electric Controller and Manufacturing Company, Cleveland, Ohio. Electric controller. No. 1,053,498; Feb. 18; Gaz. vol. 187; p. 643.
- Hall, Jay H., assignor to The Electric Controller and Manufacturing Company, Cleveland, Ohio. Electric control system. No. 1,053,499; Feb. 18; Gaz. vol. 187; p. 643.
- Hall, Jay H., assignor to The Electric Controller and Manufacturing Company, Cleveland, Ohio. Electric controller. No. 1,053,500; Feb. 18; Gaz. vol. 187; p. 644.
- Hall, Jay H., assignor to The Electric Controller and Manufacturing Company, Cleveland, Ohio. Electric controller. No. 1,053,501; Feb. 18; Gaz. vol. 187; p. 644.
- Hall, Jay H., assignor to The Electric Controller and Manufacturing Company, Cleveland, Ohio. Electric controller. No. 1,053,502; Feb. 18; Gaz. vol. 187; p. 645.
- Hall, Jay H., assignor to The Electric Controller and Manufacturing Company, Cleveland, Ohio. Electric controller. No. 1,053,503; Feb. 18; Gaz. vol. 187; p. 645.
- Hall, Jay H., assignor to The Electric Controller and Manufacturing Company, Cleveland, Ohio. Motor-control system. No. 1,060,082; Apr. 29; Gaz. vol. 189; p. 1078.
- Hall, Jay H., assignor to The Electric Controller and Manufacturing Company, Cleveland, Ohio. Motor-controller. No. 1,060,252; Apr. 29; Gaz. vol. 189; p. 1136.
- Hall, Jay H., assignor to The Electric Controller and Manufacturing Company, Cleveland, Ohio. System of control for electric controllers. No. 1,062,707; May 27; Gaz. vol. 190; p. 843.
- Hall, Jay H., assignor to The Electric Controller and Manufacturing Company, Cleveland, Ohio. Control system for electric motors. No. 1,062,708; May 27; Gaz. vol. 190; p. 844.
- Hall, Jay H., assignor to The Electric Controller and Manufacturing Company, Cleveland, Ohio. Distribution system. No. 1,069,780; Aug. 12; Gaz. vol. 193; p. 263.
- Hall, Jay H., assignor to The Electric Controller and Manufacturing Company, Cleveland, Ohio. Motor-control system. No. 1,080,146; Dec. 2; Gaz. vol. 197; p. 80.
- Hall, John B. (See Lee, John E., assignor.)
- Hall, John B., *et al.* (See Rogers, Russell N., assignor.)
- Hall, John D., Orrville, Ohio. Machine for forming calks on horseshoes. No. 1,054,967; Mar. 4; Gaz. vol. 188; p. 106.
- Hall, John G., assignor of one-third to R. T. G. Liesinger and one-third to A. C. Lembke, Buffalo, N. Y. Force-feed lubricator. No. 1,063,197; June 3; Gaz. vol. 191; p. 10.
- Hall, John L., Schenectady, N. Y., assignor to General Electric Company. Projector control. No. 1,060,754; May 6; Gaz. vol. 190; p. 65.
- Hall, John L., Schenectady, N. Y., assignor to General Electric Company. Signaling system. No. 1,071,046; Aug. 26; Gaz. vol. 193; p. 772.
- Hall, John L., Schenectady, N. Y., assignor to General Electric Company. Range-transmitter. No. 1,077,706; Nov. 4; Gaz. vol. 196; p. 159.
- Hall, John W. (See Lindsey, Oscar N., assignor.)
- Hall, Lewis S., Hattiesville, Ark. Dental forceps. No. 1,082,630; Dec. 30; Gaz. vol. 197; p. 1056.
- Hall, Major, Boise, Idaho. Well machinery. No. 1,083,089; Dec. 30; Gaz. vol. 197; p. 1214.
- Hall, Mason W., Schenectady, N. Y. Arch-support. No. 1,064,902; June 17; Gaz. vol. 191; p. 659.
- Hall Milk Bottle Cap Company, The. (See Hall, William D., assignor.)
- Hall, Nathan H., *et al.* (See Schieler, Harry H., assignor.)
- Hall, Otho N., Baltimore, Md. Attachment for umbrellas and parasols. No. 1,068,428; July 29; Gaz. vol. 192; p. 1005.
- Hall Printing Press Company. (See White, Joseph, assignor.)
- Hall, Robert, Jr., Springfield, Ill. Self-feeding stay-bolt cutter. No. 1,077,196; Oct. 28; Gaz. vol. 195; p. 1006.
- Hall, Robert B. (See Turner, George T., assignor.)
- Hall, Robert E., Corvallis, Oreg. Automatic garage turntable. No. 1,050,647; Jan. 14; Gaz. vol. 186; p. 487.
- Hall, Roy W. (See Wright and Hall.)
- Hall, Samuel N., Houston, Tex. Well-drilling mechanism. No. 1,050,533; Jan. 14; Gaz. vol. 186; p. 450.
- Hall, Sidney J. (See Chamberlain and Hall.)
- Hall Signal Company, The. (See Coleman, Clarence W., assignor.)
- Hall Signal Company, The. (See Elliott, William H., assignor.)
- Hall Switch & Signal Company, The. (See Day, Albert V. T., assignor.)
- Hall Switch & Signal Company. (See Gill, Edwin R., assignor.)
- Hall Switch & Signal Company, The. (See Reid, Alexander C., assignor.)
- Hall Switch & Signal Company. (See Rugh, Harry O., assignor.)
- Hall, Thomas. (See Owen and Hall.)
- Hall, Thomas, assignor to The Ridgway Dynamo and Engine Company, Ridgway, Pa. Valve-gear. No. 1,050,213; Jan. 14; Gaz. vol. 186; p. 337.
- Hall, Thomas S., New York, N. Y. Reinforced strap. No. 1,058,427; Apr. 8; Gaz. vol. 189; p. 401.
- Hall, Wallace L., and R. F. George, San Francisco, Cal. Portable gas-range. No. 1,072,113; Sept. 2; Gaz. vol. 194; p. 152.
- Hall, Walter A., Swampscott, Mass., assignor to General Electric Company. Hanger. No. 1,064,726; June 17; Gaz. vol. 191; p. 603.
- Hall, Wesley F., Lynn, Mass. Under-water exhaust and muffler. No. 1,069,945; Aug. 12; Gaz. vol. 193; p. 324.
- Hall, Wesley H., and F. A. Dupea, Tacoma, Wash. Candy-cutting machine. No. 1,072,848; Sept. 9; Gaz. vol. 194; p. 433.
- Hall, William, New York, N. Y., assignor to H. Gardiner, F. E. and E. H. Fennessy. Addressing-machine. No. 1,067,109; July 8; Gaz. vol. 192; p. 445.
- Hall, William A., New York, N. Y. Furnace. No. 1,076,763; Oct. 28; Gaz. vol. 195; p. 859.
- Hall, William A., New York, N. Y. Desulfurizing ores. No. 1,083,246; Dec. 30; Gaz. vol. 197; p. 1262.
- Hall, William A., New York, N. Y. Production of sulfureted hydrogen. No. 1,083,247; Dec. 30; Gaz. vol. 197; p. 1262.
- Hall, William A., New York, N. Y. Extraction of sulfur from metallic sulfids. No. 1,083,248; Dec. 30; Gaz. vol. 197; p. 1263.
- Hall, William A., New York, N. Y. Production of sulfur. No. 1,083,249; Dec. 30; Gaz. vol. 197; p. 1263.
- Hall, William A., New York, N. Y. Recovering sulfur. No. 1,083,250; Dec. 30; Gaz. vol. 197; p. 1263.
- Hall, William A., New York, N. Y. Obtaining sulfur from sulfids. No. 1,083,251; Dec. 30; Gaz. vol. 197; p. 1263.
- Hall, William A., New York, N. Y. Desulfurizing and briquetting ores. No. 1,083,252; Dec. 30; Gaz. vol. 197; p. 1264.
- Hall, William A., New York, N. Y. Extracting sulfur. No. 1,083,253; Dec. 30; Gaz. vol. 197; p. 1264.
- Hall, William A., New York, N. Y., assignor to William A. Hall Lumber & Fibre Company. Fireproofing wood. No. 1,076,762; Oct. 28; Gaz. vol. 195; p. 859.
- Hall, William A., New York, N. Y., assignor to William A. Hall Lumber & Fibre Company. Fireproofing composition. No. 1,080,966; Dec. 9; Gaz. vol. 197; p. 396.
- Hall, William D., Philadelphia, Pa., assignor to The Hall Milk Bottle Cap Company. Milk-bottle seal. No. 1,073,071; Sept. 9; Gaz. vol. 194; p. 515.
- Hall, William G. (See Eckart, Charles F., assignor.)
- Hall, William G., Honolulu, Hawaii. Filter. No. 1,070,249; Aug. 12; Gaz. vol. 193; p. 428.
- Hall, William H., Cicero, Ill. Suction device. No. 1,072,943; Sept. 9; Gaz. vol. 194; p. 470.
- Hall, William H., Cicero, Ill. Vacuum carpet-cleaner. No. 1,077,603; Nov. 4; Gaz. vol. 196; p. 125.

Alphabetical list of patentees—Continued.

- Hall, William H., Cicero, assignor, by mesne assignments, to North American Novelty Company, Chicago, Ill. Coin-registering mechanism. No. 1,075,972; Oct. 14; Gaz. vol. 195; p. 503.
- Hall, William R. B. (See Cleary, William J., W. B., and J. C. assignors.)
- Hall, William S., Rochester, N. Y. Steering mechanism. No. 1,081,607; Dec. 16; Gaz. vol. 197; p. 645.
- Hallam, Edwin A., assignor to M. B. Hallam, Portland, Oreg. Drying-kiln. No. 1,067,110; July 8; Gaz. vol. 192; p. 446.
- Hallam, Harry. (See Gouldbourn and Hallam.)
- Hallam, M. B. (See Hallam, Edwin A., assignor.)
- Hallbauer, William M., St. Louis, Mo. Valve-spring lifter. No. 1,064,640; June 10; Gaz. vol. 191; p. 537.
- Hallberg, Josef H., New York, N. Y. Automatic electric cut-out. No. 1,049,708; Jan. 7; Gaz. vol. 186; p. 133.
- Hallden, Karl W. (See Chatfield and Hallden.)
- Halldorson, Thomas E., Omaha, Nebr. Flash-light apparatus. No. 1,081,500; Dec. 16; Gaz. vol. 197; p. 611.
- Halle, Edmund L., Waukesha, Wis. Post-hole digger. No. 1,050,361; Jan. 14; Gaz. vol. 186; p. 388.
- Hallen, F. V. (See Cottle, John, assignor.)
- Hallenbeck, Garrett L., Lometa, Tex. Marking attachment for planters. No. 1,058,054; Apr. 8; Gaz. vol. 189; p. 269.
- Haller, Anton, Sioux City, Iowa. Vehicle-wheel. No. 1,050,128; Jan. 14; Gaz. vol. 186; p. 308.
- Haller, John H., New Canaan, Conn. Track-cleaner. No. 1,081,608; Dec. 16; Gaz. vol. 197; p. 646.
- Haller, Joseph, Chicago, Ill. Curtain-pole bracket. No. 1,049,355; Jan. 7; Gaz. vol. 186; p. 12.
- Haller, Joseph, Chicago, Ill. Belt-buckle. No. 1,073,115; Sept. 16; Gaz. vol. 194; p. 566.
- Haller, Joseph W., Harrison, N. J. Combination-faucet or mixing-valve. No. 1,068,125; July 22; Gaz. vol. 192; p. 860.
- Hallett, Horace H., Easton, Pa. Spring wheel-hub. No. 1,076,883; Oct. 28; Gaz. vol. 195; p. 903.
- Halliday, Alexander. (See Wait and Halliday.)
- Halliday, George, Tacoma, Wash., assignor of one-third to C. A. Black, Oakland, Cal., and one-third to J. D. Armstrong, Tacoma, Wash. Sieve-bolter. No. 1,057,053; Mar. 25; Gaz. vol. 188; p. 914.
- Halliday, Robert M., Mount Gilead, Ohio. Game. No. 1,066,107; July 1; Gaz. vol. 192; p. 71.
- Halliday, Samuel J., Watervliet, assignor, by mesne assignments, to Cluett, Peabody & Co., Troy, N. Y. Sewing-machine gage. No. 1,062,908; May 27; Gaz. vol. 190; p. 911.
- Hallman, Wallace D. and W. L., Collegeville, Pa. Dirigible lamp for automobiles. No. 1,052,720; Feb. 11; Gaz. vol. 187; p. 330.
- Hallman, Wallace L. (See Hallman, Wallace D. and W. L.)
- Hallock, Harold D., Smithtown Branch, N. Y. Carpenter's trestle. No. 1,067,809; July 22; Gaz. vol. 192; p. 755.
- Hallock, Harold H., Macedon, N. Y. Adjustable supporting and locking mechanism for drawing-tables, &c. No. 1,057,958; Apr. 1; Gaz. vol. 189; p. 191.
- Hallongren, Per G. H. (See Ehrner and Hallongren.)
- Hallowell, J. E. (See Bernauer, George W., assignor.)
- Hallowell, William S., *et al.* (See Gamble, Joseph W., assignor.)
- Hallstrom, Albert, Fairmont, Minn. Four-horse evenner. No. 1,076,572; Oct. 21; Gaz. vol. 195; p. 740.
- Hallum, Clarence J., Wilton, N. D. Steering-wheel hand-warmer. No. 1,079,237; Nov. 18; Gaz. vol. 196; p. 751.
- Hallwood Cash Register Company, The. (See Hallwood, Henry S., assignor.)
- Hallwood, Henry S., assignor, by mesne assignments, to The Hallwood Cash Register Company, Columbus, Ohio. Cash-register. No. 1,078,920; Nov. 18; Gaz. vol. 196; p. 642.
- Halma, Edouard, assignor to himself, G. L. O. Perret, and L. I. Murisier, Paris, France. Speed changing, reversing, and braking gearing. No. 1,049,577; Jan. 7; Gaz. vol. 186; p. 90.
- Halsall, William J., Greenfield, Ind. Fence-post. No. 1,068,765; July 29; Gaz. vol. 192; p. 1121.
- Halsey, Charles D. W. (See Gustin, William M., assignor.)
- Halsey, Edward S., Lynn, Mass. Thermostat. No. 1,073,899; Sept. 23; Gaz. vol. 194; p. 861.
- Halstead, Annie W., Keslers Cross Lanes, W. Va. Bath-brush. No. 1,064,641; June 10; Gaz. vol. 191; p. 537.
- Halstead, Arthur F. (See Rogerson, Albert C., assignor.)
- Halterman, Bert, Glyndon, Minn. Potato-sorter. No. 1,067,980; July 22; Gaz. vol. 192; p. 811.
- Halterman, Fernando, Oso, Wash. Cableway. No. 1,080,827; Dec. 9; Gaz. vol. 197; p. 350.
- Halterman, Fernando, Oso, Wash. Cableway. No. 1,080,828; Dec. 9; Gaz. vol. 197; p. 350.
- Halvorson, John O., Columbia, Mo. Chemical apparatus. No. 1,072,330; Sept. 2; Gaz. vol. 194; p. 222.
- Halvorson, Cromwell A. B., Jr. (See Fleming and Halvorson.)
- Halvorson, Cromwell A. B., Jr., Lynn, Mass., assignor to General Electric Company. Arc-lamp electrode. No. 1,057,054; Mar. 25; Gaz. vol. 188; p. 914.
- Halvorson, Cromwell A. B., Jr., Lynn, Mass., assignor to General Electric Company. Arc-lamp. No. 1,083,210; Dec. 30; Gaz. vol. 197; p. 1249.
- Ham, Charles W., Memphis, Tenn. Spring-wheel. No. 1,055,742; Mar. 11; Gaz. vol. 188; p. 400.
- Ham, John S. (See Huhn, Abraham, and Ham.)
- Ham, Robert W., Richmond, Ky. Tobacco-setter. No. 1,083,090; Dec. 30; Gaz. vol. 197; p. 1214.
- Hamacheck, Julius, assignor to The Hamilton Manufacturing Company, Two Rivers, Wis. Furniture. No. 1,060,547; Apr. 29; Gaz. vol. 189; p. 1240.
- Hamacheck, Julius, assignor of one-half to The Hamilton Manufacturing Company, Two Rivers, Wis. Sanding-machine. No. 1,082,949; Dec. 30; Gaz. vol. 197; p. 1167.
- Haman, Albert L. (See Hummel, Ernest A., assignor.)
- Haman, William C., Sacramento, Cal. Explosive-engine. No. 1,067,915; July 22; Gaz. vol. 192; p. 790.
- Hamann, Charles, New York, N. Y. Bottle-washer. No. 1,068,648; July 29; Gaz. vol. 192; p. 1080.
- Hamann, Charles, Stewartville, Mo. Anchoring device. No. 1,078,142; Nov. 11; Gaz. vol. 196; p. 341.
- Hamann, Henry J., Chicago, Ill. Film-winding apparatus. No. 1,081,039; Dec. 9; Gaz. vol. 197; p. 418.
- Hamann, Richard W., assignor to E. J. Feiner, St. Louis, Mo. Wire-clamping tool. No. 1,071,154; Aug. 26; Gaz. vol. 193; p. 808.
- Hamann, William F., Florence, Nebr. Trap. No. 1,077,064; Oct. 28; Gaz. vol. 195; p. 966.
- Hambaugh, W. H. (See Gruber, John A., assignor.)
- Hambleton, George, Goffstown, N. H., assignor to U. S. Bobbin & Shuttle Co., Providence, R. I. Bobbin. No. 1,061,239; May 6; Gaz. vol. 190; p. 232.
- Hambleton, John M. (See Comstock, Elmer E., assignor.)
- Hamblin, Frank H., Worcester, Mass. Bread-slicer. No. 1,072,450; Sept. 9; Gaz. vol. 194; p. 294.
- Hambloch, Anton. (See Gelléri, Soma, assignor.)
- Hambrick, George T., and E. B. Peters, Georgetown, Ky. Thill-coupling. No. 1,065,906; June 24; Gaz. vol. 191; p. 1034.
- Hamburg-Amerikanische Uhrenfabrik. (See Bleß, Georg, assignor.)
- Hamburger, Alexander, assignor to Farbenfabriken vorm. Friedr. Bayer & Co., Elberfeld, Germany. Vat dye. No. 1,059,607; Apr. 22; Gaz. vol. 189; p. 878.
- Hamburger, Aron, London, England. Color photography. No. 1,059,867; Apr. 22; Gaz. vol. 189; p. 962.
- Hamburger, Mary J., Bayport, N. Y. Pocket-garter. No. 1,070,250; Aug. 12; Gaz. vol. 193; p. 429.
- Hamby, Robert M., Austin, Tex. Slide-rule. No. 1,050,129; Jan. 14; Gaz. vol. 186; p. 309.
- Hamel, Antoine B., Newark, N. J. Adjustable window-shade roller. No. 1,069,006; July 29; Gaz. vol. 192; p. 1204.
- Hamel, Norbert D., Gardner, Mass. Piston packing-ring. No. 1,062,095; May 20; Gaz. vol. 190; p. 599.
- Hamel Shoe Machinery Company. (See Valois, Felix E., assignor.)
- Hamer, Edward D. (See Hughes, Hugh T., assignor.)
- Hamer, Lewis, Pawtucket, R. I. Leno attachment for looms. No. 1,050,734; Jan. 14; Gaz. vol. 186; p. 514.
- Hames, George, Chelsea, Mass. Warp stop-motion for looms. No. 1,058,860; Apr. 15; Gaz. vol. 189; p. 586.
- Hames, Harry C., assignor to The Thomas & Armstrong Company, London, Ohio. Metal shingle. No. 1,073,485; Sept. 16; Gaz. vol. 194; p. 696.
- Hamill, Alexander, Baltimore, Md. Sand valve or strainer. No. 1,078,674; Nov. 18; Gaz. vol. 196; p. 556.
- Hamill, Benjamin D., *et al.* (See Bonn, Frank R., assignor.)
- Hamill, Edward F. (See Goehst and Hamill.)
- Hamilton, Abram S., Nanaimo, British Columbia, Canada. Detonator-magazine. No. 1,060,979; May 6; Gaz. vol. 190; p. 145.
- Hamilton, Albert, R., and A., Jr., Cardiff, Wales. Ship's hawse-pipe. No. 1,067,872; July 22; Gaz. vol. 192; p. 776.
- Hamilton, Albert, Jr. (See Hamilton, Albert, R., and A.)
- Hamilton, Alexander, Chicago, Ill. Food compound. No. 1,076,825; Oct. 28; Gaz. vol. 195; p. 883.
- Hamilton-Beach Manufacturing Company. (See Nielsen, Emanuel, assignor.)
- Hamilton, Charles E., Ridgefield Park, N. J., assignor to The Arabol Manufacturing Company, New York, N. Y. Ironing-pad. No. 1,054,407; Feb. 25; Gaz. vol. 187; p. 989.
- Hamilton, Charles F., Los Angeles, Cal. Tail, number, and safety signal for vehicles. No. 1,066,900; July 8; Gaz. vol. 192; p. 376.
- Hamilton, Charles W., Bakersfield, Cal. Flue-cleaner for steam-boilers. No. 1,076,362; Oct. 21; Gaz. vol. 195; p. 666.
- Hamilton, Dellamoin L., Colfax, Ill. Combined door lock and latch. No. 1,055,527; Mar. 11; Gaz. vol. 188; p. 329.

Alphabetical list of patentees—Continued.

- Hamilton, Edgar L., Lumberton, N. C. Rubber stamp. No. 1,052,143; Feb. 4; Gaz. vol. 187; p. 104.
- Hamilton, Edward R., Chicago, Ill. Electric switch. No. 1,055,035; Mar. 4; Gaz. vol. 188; p. 130.
- Hamilton, Erastus, Chicago, Ill. Ventilator. No. 1,069,129; Aug. 5; Gaz. vol. 193; p. 13.
- Hamilton, Ernest A., *et al.* (See Hamilton, Walter L., assignor.)
- Hamilton, Forrest J. (See Dingle and Hamilton.)
- Hamilton, Frank, Perth Amboy, N. J. Mold for cores. No. 1,054,541; Feb. 25; Gaz. vol. 187; p. 1034.
- Hamilton, Frank H. (See Heilman, Henry N., assignor.)
- Hamilton, Frank L., assignor of one-half to W. E. Gregg, Ford City, Pa. Knockdown box. No. 1,061,068; May 6; Gaz. vol. 190; p. 176.
- Hamilton, Frederick, Providence, R. I. Eyeglasses and spectacles. No. 1,059,459; Apr. 22; Gaz. vol. 189; p. 830.
- Hamilton and Hamilton, Jr. (See Fuller, James A., assignor.)
- Hamilton, Harry F., Boston, Mass. Device for cleaning teeth. No. 1,058,234; Apr. 8; Gaz. vol. 189; p. 332.
- Hamilton, Henry W., *et al.* (See Porter, John W., assignor.)
- Hamilton, Isabelle E., *et al.* (See Hamilton, Walter L., assignor.)
- Hamilton, James, *et al.* (See Healy, Christopher J., assignor.)
- Hamilton, James L., assignor to The Hamilton Orchard Heater Company, Grand Junction, Colo. Orchard-heater. No. 1,051,884; Feb. 4; Gaz. vol. 187; p. 12.
- Hamilton, James L., assignor to The Hamilton Orchard Heater Company, Grand Junction, Colo. Orchard-heater. No. 1,055,903; Mar. 11; Gaz. vol. 188; p. 455.
- Hamilton, James L., Grand Junction, Colo., assignor to Hamilton Orchard Heater Company, Wheeling, W. Va. Orchard-heater. No. 1,067,981; July 22; Gaz. vol. 192; p. 811.
- Hamilton, James L., Grand Junction, Colo., assignor to The Hamilton Orchard Heater Company, Orchard-heater. No. 1,074,791; Oct. 7; Gaz. vol. 195; p. 70.
- Hamilton, James L., Grand Junction, Colo., assignor to The Hamilton Orchard Heater Company, Orchard-heater. No. 1,079,645; Nov. 25; Gaz. vol. 196; p. 921.
- Hamilton, Jesse K., Chicago, Ill., assignor to The Strobel & Wilken Co., New York, N. Y. Toy. No. 1,052,581; Feb. 11; Gaz. vol. 187; p. 284.
- Hamilton, John H., Garrison, Pa. Churn. No. 1,051,222; Jan. 21; Gaz. vol. 186; p. 718.
- Hamilton, John W., Jr., and J. W. Johnson, Coatesville, Pa. Furnace. No. 1,072,331; Sept. 2; Gaz. vol. 194; p. 222.
- Hamilton, Laurence C., and J. A. Hendricks, Flint, Mich. Screw-threading machine. No. 1,068,126; July 22; Gaz. vol. 192; p. 861.
- Hamilton Manufacturing Company, The. (See Hamacheck, Julius, assignor.)
- Hamilton Orchard Heater Company, The. (See Hamilton, James L., assignor.)
- Hamilton, Richard. (See Hamilton, Albert, R., and A.)
- Hamilton, Richard F. (See Lipsich, David, assignor.)
- Hamilton, Robert, Pensacola, Fla. Cotton chopper and cultivator. No. 1,059,936; Apr. 22; Gaz. vol. 189; p. 985.
- Hamilton, Walter L., assignor, by mesne assignments, of three-fifths to I. E. Hamilton, Holyoke, and two-fifths to E. A. Hamilton, Springfield, Mass. Automatic vending-machine. No. 1,053,912; Feb. 18; Gaz. vol. 187; p. 782.
- Hamilton, William C., and W. L. Bird, Indianapolis, Ind. Automatic lamp lighter and controller. No. 1,057,638; Apr. 1; Gaz. vol. 189; p. 82.
- Hamilton, William E., Columbus, Ohio. System of handling coal. No. 1,050,272; Jan. 14; Gaz. vol. 186; p. 357.
- Hamilton, William H. (See Richter, Gustav F., assignor.)
- Hamilton, William L., Glasgow, Scotland. Means for tipping rail-supported wagons and the like. No. 1,049,709; Jan. 7; Gaz. vol. 186; p. 134.
- Hamilton, William L., Chicago, assignor of one-third to L. K. Gillson, Wilmette, and one-sixth to C. B. Gillson, Chicago, Ill. Sheet-delivery mechanism for printing-presses and the like. No. 1,060,450; Apr. 29; Gaz. vol. 189; p. 1206.
- Hamke, Lawrence C., Carlisle, Ind. Fuel-pump for internal-combustion engines. No. 1,067,424; July 15; Gaz. vol. 192; p. 591.
- Hamley, John J. (See McMonies and Hamley.)
- Hamley, Lester H. (See McMonies and Hamley.)
- Hamlink, Lazenby C., assignor to The Gas Machinery Company, Cleveland, Ohio. Muffle-furnace. No. 1,081,960; Dec. 23; Gaz. vol. 197; p. 792.
- Hamlyn, William P. (See Wedmore and Hamlyn.)
- Hamm, Albert, and K. Dürr, Pforzheim, Germany. Chain-making apparatus. No. 1,053,726; Feb. 18; Gaz. vol. 187; p. 723.
- Hamm, Clayton W., York, Pa. Damper-controlling apparatus. No. 1,059,728; Apr. 22; Gaz. vol. 189; p. 918.
- Hamm, Clayton W., assignor of one-third to W. E. Koch and one-third to C. Zullinger, York, Pa. Damper-regulator. No. 1,058,581; Apr. 8; Gaz. vol. 189; p. 451.
- Hamm, George W. (See Turner and Hamm.)
- Hamm, John W., Higginsville, Mo. Motor-vehicle. No. 1,076,033; Oct. 21; Gaz. vol. 195; p. 552.
- Hamm, William S., Hubbard Woods, Ill., assignor to The Adams & Westlake Company, Signal-lamp. No. 1,051,102; Jan. 21; Gaz. vol. 186; p. 680.
- Hamm, William S., Hubbard Woods, Ill., assignor to The Adams & Westlake Company, Lantern. No. 1,057,421; Apr. 1; Gaz. vol. 189; p. 10.
- Hamm, William S., Hubbard Woods, Ill., assignor to The Adams & Westlake Company, Lamp. No. 1,079,124; Nov. 18; Gaz. vol. 196; p. 713.
- Hammack, Cicero T., Knoxville, Tenn. Automatic headlight. No. 1,072,114; Sept. 2; Gaz. vol. 194; p. 152.
- Hammack, Hope H., Shingler, Ga. Stovepipe. No. 1,057,146; Mar. 25; Gaz. vol. 188; p. 947.
- Hammack, Martin V., Springfield, Mo. Trousers appliance or device. No. 1,049,578; Jan. 7; Gaz. vol. 186; p. 90.
- Hammann, John, Northampton, Mass. Machine-vice. No. 1,060,980; May 6; Gaz. vol. 190; p. 145.
- Hammell, Arbie A., Sherrods, and C. E. Brooks, Bow-erston, Ohio. Extensible car-step and catch therefor. No. 1,056,412; Mar. 18; Gaz. vol. 188; p. 660.
- Hammer, Charles, assignor to American Metal Cap Company, Brooklyn, N. Y. Bottle cap or seal. No. 1,079,238; Nov. 18; Gaz. vol. 196; p. 752.
- Hammer, Frank A., *et al.* (See Lake, John L., assignor.)
- Hammer, Joseph J., Seattle, Wash. Strap-hanger. No. 1,067,916; July 22; Gaz. vol. 192; p. 790.
- Hammer, Ludwig, Vienna, Austria-Hungary. Liquid change-speed gear for automobiles. No. 1,074,096; Sept. 23; Gaz. vol. 194; p. 926.
- Hammers, George W., Billings, Mont. Plow. No. 1,081,961; Dec. 23; Gaz. vol. 197; p. 792.
- Hammers, George W., assignor of one-half to H. B. Sill, Billings, Mont. Plowshare. No. 1,055,743; Mar. 11; Gaz. vol. 188; p. 401.
- Hammers, John E., Scammons, Kans. Boxing. No. 1,065,801; June 24; Gaz. vol. 191; p. 998.
- Hammersberg, Christian. (See Olson and Hammersberg.)
- Hammerston, Alfred N. (See Wolfson and Hammerston.)
- Hammes, Anna D., *et al.* (See Hammes, Frederic J., assignor.)
- Hammes, Frederic J., assignor of one-sixth to M. A. Stratton, one-sixth to A. D. Hammes, one-sixth to H. Miller, and one-third to J. A. Wiedersheim, Philadelphia, Pa. Lock for milk and other bottles. No. 1,054,408; Feb. 25; Gaz. vol. 187; p. 990.
- Hammes, Paul, Treves, Germany. Lasting device for boot-making. No. 1,067,917; July 22; Gaz. vol. 192; p. 790.
- Hammesfahr, Herman, Brooklyn, N. Y. Fire and water proof insulation. No. 1,065,802; June 24; Gaz. vol. 191; p. 998.
- Hammett, Charles A., Washington, D. C. False work for concrete construction. No. 1,079,045; Nov. 18; Gaz. vol. 196; p. 687.
- Hammett, James W., Salama, W. Va. Water purification. No. 1,077,065; Oct. 28; Gaz. vol. 195; p. 967.
- Hamnick, Walter, Pittsburg, Kans. Gas-producer. No. 1,060,755; May 6; Gaz. vol. 190; p. 65.
- Hammond, Charles P. (See Conway, James M., assignor.)
- Hammond Engineering Company. (See Wheelock, De Forest A., assignor.)
- Hammond, Frederick W., Monmouth, assignor to The Eric (Patent) Water Main Scraper Co. Limited, Chesham, Monmouth, England. Water-main scraper. No. 1,058,175; Apr. 8; Gaz. vol. 189; p. 313.
- Hammond George O. (See Bickel and Hammond.)
- Hammond, Henry C., Darien, Wis. Strainer for milk-pails. No. 1,051,735; Jan. 28; Gaz. vol. 186; p. 924.
- Hammond, Jay D., Galveston, Tex. Wagon attachment. No. 1,059,152; Apr. 15; Gaz. vol. 189; p. 687.
- Hammond, Mary E., residuary legatee. (See Hammond and Forsman.)
- Hammond, Richard E., deceased, and S. W. Forsman, Colorado Springs, Colo.; M. E. Hammond, residuary legatee. Starting device for explosive-engines. No. 1,078,196; Nov. 11; Gaz. vol. 196; p. 359.
- Hammond, Robert A., Sandwich, Mass. Ventilator for cars. No. 1,056,989; Mar. 25; Gaz. vol. 188; p. 891.
- Hammond, Robert O., assignor, by mesne assignments, to Tywacana Farms Poultry Company, Farmingdale, N. Y. Egg-carrier. No. 1,080,276; Dec. 2; Gaz. vol. 197; p. 126.
- Hammond, Thomas C. (See Chambers and Hammond.)
- Hammond Typewriter Co., The. (See Lopez, Arthur, assignor.)
- Hammond Typewriter Co., The. (See Spurgin, Richard A., assignor.)
- Hammond, Wilberforce B., Brookline, Mass. Combined water-heater and sprinkler system. No. 1,058,968; Apr. 15; Gaz. vol. 189; p. 624.

Alphabetical list of patentees—Continued.

- Hammond, Wilberforce B., Brookline, Mass. Sprinkler attachment. No. 1,077,830; Nov. 4; Gaz. vol. 196; p. 201.
- Hammond, Wilberforce B., Boston, Mass., assignor to General Fire Extinguisher Company, New York, N. Y. Apparatus for heating feed-water. No. 1,051,996; Feb. 4; Gaz. vol. 187; p. 51.
- Hammond, William P., Charlestown, assignor to C. H. Young, Dorchester, Mass. Boot or shoe and pull therefor. No. 1,071,005; Aug. 19; Gaz. vol. 193; p. 723.
- Hammond, William P., Passaic, N. J., assignor of one-half to P. F. Sonnek, Woodhaven, N. Y. Metallic-belt protector for vehicle-tires. No. 1,074,085; Sept. 23; Gaz. vol. 194; p. 922.
- Hammons, James E., Gary, Ind. Security bond-anchor. No. 1,052,246; Feb. 4; Gaz. vol. 187; p. 140.
- Hamner, William H., Los Angeles, Cal. Air-inlet device. No. 1,050,214; Jan. 14; Gaz. vol. 186; p. 337.
- Hamor, George D. (See Keyes, Earl S., assignor.)
- Hamp Williams Hardware Co. (See Dickerson, John R., assignor.)
- Hampton, Herbert, assignor of one-half to C. F. Howell, Kinder, La. Broom-head. No. 1,069,873; Aug. 12; Gaz. vol. 193; p. 301.
- Hampton, Roxanna A., New York, N. Y. Garment-stiffener. No. 1,051,327; Jan. 21; Gaz. vol. 186; p. 754.
- Hamshaw, S. J. (See West, Charles W., assignor.)
- Hanabusa, Masahide, Tokyo, Japan. Manufacturing light fire-brick. No. 1,074,618; Oct. 7; Gaz. vol. 195; p. 10.
- Hanan, Herbert W., and J. H. Gates, New York, N. Y., assignors, by mesne assignments, to Boston Machine Works Company. Slitting and folding machine. No. 1,078,348; Nov. 11; Gaz. vol. 196; p. 413.
- Hanauer Kunstseidefabrik Actiengesellschaft. (See Bechtel, Ernst, assignor.)
- Hanba, Frank, and R. Gladfelter, Detroit, Mich. Automobile door-hinge. No. 1,078,786; Nov. 18; Gaz. vol. 196; p. 597.
- Hanby, Samuel M., Birmingham, Ala. Discount-table. No. 1,070,957; Aug. 19; Gaz. vol. 193; p. 707.
- Hance Brothers & White. (See Hance, Edward H., assignor.)
- Hance, Edward H., assignor to Hance Brothers & White, Philadelphia, Pa. Drug-mill. No. 1,078,436; Nov. 11; Gaz. vol. 196; p. 445.
- Hanchett, Earl, Jamestown, Pa. Basket. No. 1,057,483; Apr. 1; Gaz. vol. 189; p. 30.
- Hanchett, George T., New York, N. Y., assignor to Maxwell Motor Company, Inc., Detroit, Mich. Gas-engine. No. 1,065,523; June 24; Gaz. vol. 191; p. 904.
- Hancock, David. (See Catlett and Hancock.)
- Hancock, Edward H. (See Bailey, Mortimer C., assignor.)
- Hancock, Frederick, Stoke-upon-Trent, England. Apparatus or machine for use in shaping articles of pottery. No. 1,069,130; Aug. 5; Gaz. vol. 193; p. 14.
- Hancock, Harry H., Swampscott, Mass. Means for making up and piling pages of type. No. 1,063,027; May 27; Gaz. vol. 190; p. 949.
- Hancock, James C., assignor of one-half to E. H. Harper, Keystone, W. Va. Bolt-lock. No. 1,054,291; Feb. 25; Gaz. vol. 187; p. 947.
- Hancock, John, Philadelphia, Pa. Bed-spring frame. No. 1,083,011; Dec. 30; Gaz. vol. 197; p. 1188.
- Hancock, Joseph C., Nacogdoches, Tex. Egg-tester. No. 1,064,642; June 10; Gaz. vol. 191; p. 538.
- Hancock, Jules F., and C. E. Fisk, San Francisco, Cal. Label-moistening machine. No. 1,081,906; Dec. 16; Gaz. vol. 197; p. 744.
- Hancock, Lee B. (See Jenkins, Robert L., assignor.)
- Hancock, Milton T., Jr., Los Angeles, Cal. Clutch-pedal and throttle control for automobiles. No. 1,050,826; Jan. 21; Gaz. vol. 186; p. 581.
- Hancock, Winfield S., assignor of three-fifths to A. V. Mitchell, Washington, D. C. Spring-wheel. No. 1,070,458; Aug. 19; Gaz. vol. 193; p. 542.
- Hancox, Albert H., et al. (See Fair, John H., assignor.)
- Hancox, William, Hoboken, N. J. Clothes-line pulley. No. 1,051,223; Jan. 21; Gaz. vol. 186; p. 719.
- Hancq, John, Jamestown, N. Y. Electric warp stop-motion. No. 1,065,937; July 1; Gaz. vol. 192; p. 10.
- Hancq, John, Jamestown, N. Y. Electric warp stop-motion. No. 1,065,938; July 1; Gaz. vol. 192; p. 11.
- Hancq, John, Jamestown, N. Y. Electric warp stop-motion. No. 1,071,313; Aug. 26; Gaz. vol. 193; p. 862.
- Hanczewski, Leopold E., Kreuzburg, Germany, assignor to S. Hanczewski, Chicago, Ill. Compound for protecting planted seed-grains. No. 1,081,445; Dec. 16; Gaz. vol. 197; p. 593.
- Hanczewski, Stanley. (See Hanczewski, Leopold E., assignor.)
- Hand, Jesse H., Ann Arbor, Mich. Automobile. No. 1,065,357; June 24; Gaz. vol. 191; p. 847.
- Hand, John L. H., Atco, N. J. Navigation instrument. No. 1,083,091; Dec. 30; Gaz. vol. 197; p. 1214.
- Hand, Townson, Orlando, Fla. Shock-absorber. No. 1,071,518; Aug. 26; Gaz. vol. 193; p. 929.
- Handel, Philip J., Meriden, Conn. Shade. No. 1,082,805; Dec. 30; Gaz. vol. 197; p. 1117.
- Handelsgesellschaft Kleinberg & Co. (See Ecseghy, Stefan K. v., assignor.)
- Handiges, Philip T., East Cleveland, assignor to The Damascus Brake Beam Company, Cleveland, Ohio. Brake-beam fulcrum. No. 1,062,330; May 20; Gaz. vol. 190; p. 678.
- Handlan, Alexander H., Jr., St. Louis, Mo. Lantern. No. 1,055,036; Mar. 4; Gaz. vol. 188; p. 131.
- Handler, Frank N., St. Joseph, Mo. Door-latch. No. 1,054,290; Feb. 25; Gaz. vol. 187; p. 947.
- Handlin, Scott D., Eldora, Iowa, assignor to Mergenthaler Linotype Company. Typographical machine. No. 1,077,604; Nov. 4; Gaz. vol. 196; p. 125.
- Handloser, Thomas V., and J. C. Dilworth, assignors to Dilworth, Porter & Company, Limited, Pittsburgh, Pa. Machine for slotting tie-plate flanges. No. 1,052,415; Feb. 4; Gaz. vol. 187; p. 195.
- Handschuh, Frank, Buffalo, N. Y. Unlocking mechanism for safes and vaults. No. 1,054,112; Feb. 25; Gaz. vol. 187; p. 887.
- Handy, Arthur H. (See Hattenback and Handy.)
- Handy, Levin G., Rutherford, N. J., assignor, by mesne assignments, to W. H. Woodin, New York, N. Y. Hopper-door-operating device. No. 1,081,040; Dec. 9; Gaz. vol. 197; p. 418.
- Handy Manufacturing Company, The. (See Becker, Paul E., assignor.)
- Handy Manufacturing Company. (See Bergstrom, Oscar, assignor.)
- Hanemann, Max, Münster, Germany. Device for producing forte effects with piano-players. No. 1,059,460; Apr. 22; Gaz. vol. 189; p. 830.
- Hanes, George E., Denver, Colo. Aeroplane. No. 1,079,171; Nov. 18; Gaz. vol. 196; p. 730.
- Hanes, John H., Cabool, Mo. Fly-trap. No. 1,077,066; Oct. 28; Gaz. vol. 195; p. 967.
- Haney, John. (See Thomas and Haney.)
- Hanfig, Harris, Charlestown, Mass. Padlock. No. 1,058,861; Apr. 15; Gaz. vol. 189; p. 586.
- Hanfig, Harris, Charlestown, Mass. Lock. No. 1,071,913; Sept. 2; Gaz. vol. 194; p. 84.
- Hanford, Orin A., Rochester, N. Y., assignor to Empire Machine Company, Portland, Me. Gather-actuated controller for glass-blowing machines. No. 1,066,270; July 1; Gaz. vol. 192; p. 131.
- Hang, Edward L. (See Jones, Hang, and McConnell.)
- Hanger, Andrew S., Fishersville, Va. Packing-press and barrel-header. No. 1,055,630; Mar. 11; Gaz. vol. 188; p. 363.
- Hanger, James E., Washington, D. C. Artificial limb. No. 1,066,605; July 8; Gaz. vol. 192; p. 274.
- Hanger, James E., Washington, D. C. Artificial limb. No. 1,071,230; Aug. 26; Gaz. vol. 193; p. 834.
- Hanington, Alfred W., A. Rosenstein, and R. A. Southward, New York, N. Y., assignors to The Friction Transfer Pattern Co. Composition for impression-sheets. No. 1,063,791; June 3; Gaz. vol. 191; p. 215.
- Hanington, Charles F., Roselle Park, N. J. Window-lock. No. 1,077,605; Nov. 4; Gaz. vol. 196; p. 126.
- Hanish, Richard D., Columbus, Ohio. Polishing-drum. No. 1,071,519; Aug. 26; Gaz. vol. 193; p. 929.
- Hanke, Carl, Hancock, Mich. Sausage-stuffer. No. 1,075,823; Oct. 14; Gaz. vol. 195; p. 451.
- Hanks, Frederick W., Cleveland, Ohio. Combined waste-detector and water-meter. No. 1,063,255; June 3; Gaz. vol. 191; p. 29.
- Hanks, Frederick W., Cleveland, Ohio. Water-meter. No. 1,065,939; July 1; Gaz. vol. 192; p. 11.
- Hanline, Milton L. (See Marx, Monroe L., assignor.)
- Hanlon, John H., Somerville, Mass. Track-sander. No. 1,065,044; June 17; Gaz. vol. 191; p. 705.
- Hanlon, John H., Somerville, Mass. Smoke-consumer. No. 1,070,251; Aug. 12; Gaz. vol. 193; p. 429.
- Hanlon, John J., et al. (See Merkel, Lewis W., assignor.)
- Hanlon Tent Ring Company, The. (See Canfield, Fred P., assignor.)
- Hanlon, William B., Pittsburgh, Pa. Shield for car-windows. (Reissue.) No. 13,653; Dec. 2; Gaz. vol. 197; p. 213.
- Hann, Chester K., Columbus, Ohio. Means for raising and lowering automobile-tops. No. 1,071,914; Sept. 2; Gaz. vol. 194; p. 85.
- Hanna, Benjamin M. (See Rush, Charles, assignor.)
- Hanna, Howard M., Jr. (See Grant and Wetherbee, assignors.)
- Hanna, John G., Galveston, Tex. Aeroplane. No. 1,081,828; Dec. 16; Gaz. vol. 197; p. 720.
- Hanna Motor Manufacturing Company. (See Hohenstein, Charles H. von, assignor.)
- Hanna, Oscar V., Meridian, Tex. Liquid-cooler. No. 1,067,918; July 22; Gaz. vol. 192; p. 791.
- Hanna, Samuel C., Shelby, assignor to F. B. Zieg, Fredericktown, Ohio. Reversible irrigating and ditching machine. No. 1,076,633; Oct. 21; Gaz. vol. 195; p. 763.
- Hanna, William G., Jr., Manchester, England. Apparatus for melting, compressing, and forcing metal or alloys into molds. No. 1,078,921; Nov. 18; Gaz. vol. 196; p. 642.

Alphabetical list of patentees—Continued.

- Hannaford, Alfred, Chicago, Ill. Rack for bottle-cleaning machines. No. 1,055,631; Mar. 11; Gaz. vol. 188; p. 363.
- Hannaford, Alfred, Chicago, Ill. Rack for bottle-cleaning machines. No. 1,055,632; Mar. 11; Gaz. vol. 188; p. 363.
- Hannaford, Alfred, Chicago, Ill. Hog scraper and conveyor. No. 1,080,007; Dec. 2; Gaz. vol. 197; p. 31.
- Hannah, Homer R. (See Hannah, Robert L. and H. R.)
- Hannah, Newel A., Claryville, Ky. Harness-hanger. No. 1,083,092; Dec. 30; Gaz. vol. 197; p. 1215.
- Hannah, Robert L. and H. R., assignors of one-half to W. W. Seley and A. H. Bell, Waco, Tex. Liquid-fuel burner. No. 1,063,875; June 3; Gaz. vol. 191; p. 241.
- Hannan, Benjamin R., Lawley, Fla. Electric-lamp holder. No. 1,062,460; May 20; Gaz. vol. 190; p. 720.
- Hanning, William, and M. Nicholas, Gorham, Colo. Ratchet-wrench. No. 1,077,137; Oct. 28; Gaz. vol. 195; p. 987.
- Hannis, Charles M., Hudson, assignor of one-half to B. Matross, Boston, Mass. Life-preserver. No. 1,063,256; June 3; Gaz. vol. 191; p. 29.
- Hano, Philip, New York, N. Y. Manifolding device. No. 1,062,968; May 27; Gaz. vol. 190; p. 930.
- Hanrahan, John E., assignor to The Chesapeake Addressing Company, Baltimore, Md. Single-type-casting attachment for linotype-machines. No. 1,060,679; May 6; Gaz. vol. 190; p. 39.
- Haus, Edmund E., Minneapolis, Minn. Strainer for gasoline-tanks. No. 1,055,744; Mar. 11; Gaz. vol. 188; p. 401.
- Hansalpakar, Edwin, Randolph, assignor to Brockton Heel Company, Brockton, Mass. Machine for making heel-logs. No. 1,065,803; June 24; Gaz. vol. 191; p. 998.
- Hanscom, Frank Z., Chicago, Ill. Dental tape or floss. No. 1,069,874; Aug. 12; Gaz. vol. 193; p. 301.
- Hansen, Anton, Greensburg, Pa. Valve. No. 1,061,610; May 13; Gaz. vol. 190; p. 396.
- Hansen, Augie L., assignor to The Justrite Mfg. Co., Chicago, Ill. Portable acetylene-lamp. No. 1,076,826; Oct. 28; Gaz. vol. 195; p. 883.
- Hansen, Carl A. E., Sabine, Tex. Life-preserver. No. 1,069,691; Aug. 12; Gaz. vol. 193; p. 236.
- Hansen, Carl R. M., Cynwyd, Pa. Non-refillable bottle. No. 1,068,766; July 29; Gaz. vol. 192; p. 1121.
- Hansen, Charles, and C. Heberer, Mingo, Iowa. Wrench. No. 1,071,666; Aug. 26; Gaz. vol. 193; p. 978.
- Hansen, Charles A., Schenectady, N. Y., assignor to General Electric Company. Metal filaments. No. 1,075,563; Oct. 14; Gaz. vol. 195; p. 364.
- Hansen, Charles C., Easton, Pa., assignor to Ingersoll-Rand Company, New York, N. Y. Stroke-shortening device for percussive tools. No. 1,056,170; Mar. 18; Gaz. vol. 188; p. 581.
- Hansen, Charles C., Easton, Pa., assignor to Ingersoll-Rand Company, New York, N. Y. Rock-drill. No. 1,057,732; Apr. 1; Gaz. vol. 189; p. 114.
- Hansen, Charles C., Easton, Pa., assignor to Ingersoll-Rand Company, New York, N. Y. Rock-drill. No. 1,057,733; Apr. 1; Gaz. vol. 189; p. 115.
- Hansen, Charles C., Easton, Pa., assignor to Ingersoll-Rand Company, New York, N. Y. Rock-drill. No. 1,066,901; July 8; Gaz. vol. 192; p. 376.
- Hansen, Charles C., Easton, Pa., assignor to Ingersoll-Rand Company, Jersey City, N. J. Valve for percussive tools. No. 1,068,649; July 29; Gaz. vol. 192; p. 1081.
- Hansen, Charles C., Easton, Pa., assignor to Ingersoll-Rand Company, New York, N. Y. Automatic feed for percussive drills. No. 1,074,320; Sept. 30; Gaz. vol. 194; p. 1030.
- Hansen, Charles C., Easton, Pa., assignor to Ingersoll-Rand Company, New York, N. Y. Chuck. No. 1,079,646; Nov. 25; Gaz. vol. 196; p. 921.
- Hansen, Emil E., Chicago, Ill. Attachment for sprinklers. No. 1,071,520; Aug. 26; Gaz. vol. 193; p. 930.
- Hansen, Ferdinanda P. (See Hansen, Marinius, assignor.)
- Hansen, Frederick, Woodbine, Iowa. Mail-bag catcher. No. 1,062,461; May 20; Gaz. vol. 190; p. 720.
- Hansen, H. C., *et al.* (See Feller, Adolph F., assignor.)
- Hansen, Hans, *et al.* (See Burling, Charles S., assignor.)
- Hansen, Hans G., and C. H. Frogner, Seattle, Wash. Clothes-pin. No. 1,057,238; Mar. 25; Gaz. vol. 188; p. 978.
- Hansen, Hans P., Hoboken, N. J. Flush-valve for water-closets. No. 1,073,603; Sept. 23; Gaz. vol. 194; p. 757.
- Hansen, Herluf, Elk Horn, Iowa. Automatic pen-ejecting holder. No. 1,053,808; Feb. 18; Gaz. vol. 187; p. 748.
- Hansen, Herman, assignor to F. Keil & Son, New York, N. Y. Electric switch. No. 1,057,147; Mar. 25; Gaz. vol. 188; p. 947.
- Hansen, Jens P., Evanston, Ill. Fireplace-grate. No. 1,071,915; Sept. 2; Gaz. vol. 194; p. 85.
- Hansen, John C., Jr., Newark, N. J. Leveling device. No. 1,066,606; July 8; Gaz. vol. 192; p. 274.
- Hansen, John J., Parkston, S. D. Curtain-stretcher. No. 1,050,017; Jan. 7; Gaz. vol. 186; p. 236.
- Hansen, John M., Pittsburgh, Pa. Manufacture of car-wheels. No. 1,061,284; May 13; Gaz. vol. 190; p. 282.
- Hansen, John M., Pittsburgh, Pa. Brake-beam. No. 1,067,810; July 22; Gaz. vol. 192; p. 755.
- Hansen, John N., Clifton, Alaska. Nursery-chair. No. 1,050,362; Jan. 14; Gaz. vol. 186; p. 389.
- Hansen, John S., Medford, Mass., assignor to O. A. Miller Treeling Machine Company, Portland, Me. Machine for ironing boots and shoes. No. 1,081,907; Dec. 16; Gaz. vol. 197; p. 744.
- Hansen, Jorgen, Kolding, Denmark. Machine for cleaning separator-disks. No. 1,077,067; Oct. 28; Gaz. vol. 195; p. 967.
- Hansen, Jorgen M., North Chicago, Ill. Hydrocarbon-burner. No. 1,049,851; Jan. 7; Gaz. vol. 186; p. 181.
- Hansen, Julius, Texas City, Tex. Apparatus for expressing the fluids out of paraffin compositions and separating the scale therefrom. No. 1,054,839; Mar. 4; Gaz. vol. 188; p. 65.
- Hansen, Julius, and P. Olsen, Ladd, Ill. Combination-pad-lock. No. 1,056,667; Mar. 18; Gaz. vol. 188; p. 750.
- Hansen, Julius A., and J. W. Carlson, Salt Lake City, Utah. Game apparatus. No. 1,053,029; Feb. 11; Gaz. vol. 187; p. 436.
- Hansen, Julius G., and M. R. Schaffer, Reading, Pa. Cork-stapling machine. No. 1,064,474; June 10; Gaz. vol. 191; p. 482.
- Hansen, Marinius, New Rochelle, assignor to F. P. Hansen, Brooklyn, N. Y. Eyeglasses. No. 1,055,904; Mar. 11; Gaz. vol. 188; p. 455.
- Hansen, Oswald H., Milwaukee, Wis. Can-tipping device. No. 1,053,809; Feb. 18; Gaz. vol. 187; p. 748.
- Hansen, Peter J., Lansford, N. D. Grain-door. No. 1,073,981; Sept. 23; Gaz. vol. 194; p. 888.
- Hansen, Syver, Dugald, Manitoba, Canada. Insect-collecting machine. No. 1,062,648; May 27; Gaz. vol. 190; p. 825.
- Hansen, Victor E. (See Burchardi, Hansen, and Marsh.)
- Hansen, William P., Camden, N. J., assignor to Spring Motor Fan Company, Philadelphia, Pa. Spring-clutch. No. 1,055,905; Mar. 11; Gaz. vol. 188; p. 455.
- Hanslick, George, Lafayette, Minn. Loading-machine. No. 1,054,645; Feb. 25; Gaz. vol. 187; p. 1070.
- Hansmann, Harry F., Thorpe, Wis. Mail-bag-handling apparatus. No. 1,063,435; June 3; Gaz. vol. 191; p. 89.
- Hansmann Manufacturing Company. (See Erdmann, Emil M., assignor.)
- Hanson, Albertus E., Mason City, Iowa. Fence-post. No. 1,080,057; Dec. 2; Gaz. vol. 197; p. 48.
- Hanson, Axel B., Traverse City, Mich. Fruit-gatherer. No. 1,074,715; Oct. 7; Gaz. vol. 195; p. 45.
- Hanson, Bengt M. W., Hartford, Conn. Grease-cup. No. 1,053,988; Feb. 25; Gaz. vol. 187; p. 846.
- Hanson, Bengt M. W., assignor to Pratt & Whitney Company, Hartford, Conn. Forming-machine. No. 1,063,160; May 27; Gaz. vol. 190; p. 993.
- Hanson, Bengt M. W., assignor to Pratt & Whitney Company, Hartford, Conn. Attachment for milling-machines. No. 1,065,868; June 24; Gaz. vol. 191; p. 1021.
- Hanson, Bengt M. W., assignor to Pratt & Whitney Company, Hartford, Conn. Metal-reducing machine. No. 1,065,869; June 24; Gaz. vol. 191; p. 1021.
- Hanson, Edith G., administratrix. (See Gilfillan, Essington N.)
- Hanson, Edward, Kane, Pa. Glass-drawing machine. No. 1,052,336; Feb. 4; Gaz. vol. 187; p. 167.
- Hanson, Edward B., Buxton, Me. Ice-cutting machine. No. 1,058,055; Apr. 8; Gaz. vol. 189; p. 269.
- Hanson, Elizabeth E., South Portland, Me. Seam-ripper. No. 1,063,436; June 3; Gaz. vol. 191; p. 90.
- Hanson, Embrik, Fairfax, Minn. Door-stay. No. 1,055,167; Mar. 4; Gaz. vol. 188; p. 172.
- Hanson, Gunder B. (See Hanson, Severin J. and G. B.)
- Hanson, Haakon P. (See Logan and Hanson.)
- Hanson, Hans G., Bowdon, N. D. Collapsible umbrella. No. 1,056,022; Mar. 18; Gaz. vol. 188; p. 530.
- Hanson, Henry, Middletown, Conn. Lock for deck-plates. No. 1,065,358; June 24; Gaz. vol. 191; p. 848.
- Hanson, Herman A., Chicago, Ill. Brush. No. 1,057,639; Apr. 1; Gaz. vol. 189; p. 83.
- Hanson, John. (See Verity and Hanson.)
- Hanson, John Z., and W. D. Thomas, Aberdeen, Idaho. Head-gate. No. 1,083,093; Dec. 30; Gaz. vol. 197; p. 1215.
- Hanson, Joseph, and L. M. Foote, Inwood, Iowa. Device for tightening silo-hoops. No. 1,075,564; Oct. 14; Gaz. vol. 195; p. 364.
- Hanson, Lennie A., Deering, N. D. Toilet article. No. 1,059,537; Apr. 22; Gaz. vol. 189; p. 856.
- Hanson, Louis, Cottonwood, Idaho. Milking-stool. No. 1,075,145; Oct. 7; Gaz. vol. 195; p. 191.
- Hanson, N. T., *et al.* (See Kneeder, John D., assignor.)
- Hanson, Nels P. (See Jackson, Clarence W., assignor.)
- Hanson, Paul, Wild Horse, Colo. Butter-making machine. No. 1,053,594; Feb. 18; Gaz. vol. 187; p. 677.
- Hanson, Samuel L. (See Logan and Hanson, assignors.)
- Hanson, Severin J. and G. B., Hillsboro, N. D. Drill-shoe. No. 1,070,031; Aug. 12; Gaz. vol. 193; p. 354.
- Hanson, Soren F., Sidney, Iowa. Mixing-machine. No. 1,069,547; Aug. 5; Gaz. vol. 193; p. 159.
- Hanson, William A., *et al.* (See Getman, Richard M., assignor.)

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- Hanstein, Henry, Poughkeepsie, N. Y. Dowel-pin. No. 1,082,120; Dec. 23; Gaz. vol. 197; p. 847.
- Hantsch, Arthur, Linden, N. J. Carrying mechanism. No. 1,074,086; Sept. 23; Gaz. vol. 194; p. 923.
- Hantsch, Arthur, Linden, N. J. Reversing mechanism for calculating-machines. No. 1,074,087; Sept. 23; Gaz. vol. 194; p. 923.
- Hantsch, Arthur, Linden, N. J. Calculating-machine. No. 1,077,274; Nov. 4; Gaz. vol. 196; p. 10.
- Hanns, Ewald, Tegel, near Berlin, assignor to Deutsche Waffen- & Munitionsfabriken, Berlin, Germany. Ball-grinding machine. No. 1,051,885; Feb. 4; Gaz. vol. 187; p. 12.
- Hanzl, Anna, Chicago, Ill. Hat-protector. No. 1,070,459; Aug. 19; Gaz. vol. 193; p. 542.
- Hapgood, Cyrus H., assignor, by mesne assignments, to Parker Carbureter Company, Boston, Mass. Separator for liquids. No. 1,081,936; Dec. 16; Gaz. vol. 197; p. 755.
- Happich, Henry A., Jr., New Orleans, La. Fan. No. 1,056,668; Mar. 18; Gaz. vol. 188; p. 750.
- Happle, George W., and H. May, Fort Washington, Md. Fountain-brush. No. 1,049,863; Jan. 7; Gaz. vol. 186; p. 186.
- Haralson, James C., Crowell, Tex. Soil-treating machine. No. 1,060,548; Apr. 29; Gaz. vol. 189; p. 1241.
- Harback, Stephen E., Fort Smith, Ark. Pneumatic scale. No. 1,070,460; Aug. 19; Gaz. vol. 193; p. 543.
- Harback, Stephen E., Fort Smith, Ark. Pneumatic scale. No. 1,070,461; Aug. 19; Gaz. vol. 193; p. 543.
- Harbaugh, Losh O., Piqua, Ohio. Automatic device for elevators. No. 1,050,648; Jan. 14; Gaz. vol. 186; p. 487.
- Harbeck, Jervis R., assignor, by mesne assignments, to Detroit Can Company, Detroit, Mich. Machine for internally coating tubes. No. 1,051,103; Jan. 21; Gaz. vol. 186; p. 680.
- Harbeck, Jervis R., assignor to Detroit Can Company, Detroit, Mich. Paper-walled can. No. 1,062,002; May 20; Gaz. vol. 190; p. 566.
- Harbeck, Jervis R., assignor to Detroit Can Company, Detroit, Mich. Tube-machine. No. 1,065,681; June 24; Gaz. vol. 191; p. 958.
- Harbeck, Jervis R., assignor, by mesne assignments, to Detroit Can Company, Detroit, Mich. Forming tubes. No. 1,072,715; Sept. 9; Gaz. vol. 194; p. 386.
- Harbeck, Jervis R., assignor, by mesne assignments, to Detroit Can Company, Detroit, Mich. Package-capping machine. No. 1,080,277; Dec. 2; Gaz. vol. 197; p. 126.
- Harber, John S., Youngstown, Ohio. Inner-tube valve. No. 1,061,069; May 6; Gaz. vol. 190; p. 176.
- Harber, Joseph L. (See Chandler, John T., assignor.)
- Harblson, Daniel L., Pittsburgh, Pa. Envelop-molstener. No. 1,062,397; May 20; Gaz. vol. 190; p. 700.
- Harblson, John A., Maxwell, Cal. Lubricator. No. 1,053,030; Feb. 11; Gaz. vol. 189; p. 436.
- Harbride, Chester C., Chicago, Ill., assignor to Detroit Demountable Rim Co., Detroit, Mich. Vehicle-wheel. No. 1,067,982; July 22; Gaz. vol. 192; p. 812.
- Hard, Jacob H., Osmond, Nebr. Tire-deflating cap. No. 1,076,981; Oct. 28; Gaz. vol. 195; p. 938.
- Hard, Walter M., Centerville, Md. Trolley-guard. No. 1,060,451; Apr. 29; Gaz. vol. 189; p. 1207.
- Hardcastle, Joseph S., Haledon, N. J. Non-refillable bottle. No. 1,050,018; Jan. 7; Gaz. vol. 186; p. 237.
- Hardegger, Hans, Arbon, Switzerland. Manufacture of pile carpets. No. 1,069,330; Aug. 5; Gaz. vol. 193; p. 84.
- Hardenbergh, Gerard R., Bayhead, N. J. Puzzle-picture. No. 1,055,528; Mar. 11; Gaz. vol. 188; p. 330.
- Harder, George A., New York, N. Y. Molding-machine. No. 1,065,126; June 17; Gaz. vol. 191; p. 733.
- Harder, Harry E. (See Scanlan, Daniel, assignor.)
- Harder, Herman, Bellingham, Wash. Releasable stake for logging-cars. No. 1,072,246; Oct. 28; Gaz. vol. 195; p. 1022.
- Harder, William T., South Baltimore, Md. Dust-collector. No. 1,056,331; Mar. 18; Gaz. vol. 188; p. 633.
- Hardey, Edwin F., Kansas City, Mo. Combined paper-weight and pencil-sharpener. No. 1,065,127; June 17; Gaz. vol. 191; p. 733.
- Hardey, Virgil S., Chicago, Ill. Maximum-demand indicator. No. 1,057,640; Apr. 1; Gaz. vol. 189; p. 83.
- Hardie, Henry H., assignor to The Hardie Manufacturing Company, Hudson, Mich. Tree-spraying device. No. 1,079,335; Nov. 25; Gaz. vol. 196; p. 815.
- Hardie, James B. (See Lyons and Hardie.)
- Hardie, James G., Canton, N. Y. Paper-cutting machine. No. 1,066,492; July 8; Gaz. vol. 192; p. 234.
- Hardie Manufacturing Company, The. (See Hardie, Henry H., assignor.)
- Hardman, Thomas B., Patoka, Ind. Body-brace with suspender attachment. No. 1,064,903; June 17; Gaz. vol. 191; p. 659.
- Hardin, Ben C. (See Hardin, Benjamin B., assignor.)
- Hardin, Benjamin B., assignor of one-half to B. C. Hardin, Clairemont, Tex. Wheel. No. 1,071,314; Aug. 26; Gaz. vol. 193; p. 862.
- Hardin, Harley F. (See Bruner and Hardin.)
- Harding, Charles K., Chicago, Ill. Burning gaseous fuel. No. 1,067,983; July 22; Gaz. vol. 192; p. 812.
- Harding, Hannah C. (See Kerr, William F., assignor.)
- Harding, John W., Brockwayville, Pa. Curtain-pole. No. 1,068,498; July 29; Gaz. vol. 192; p. 1028.
- Harding, John W., assignor to Brockway Machine Bottle Company, Brockwayville, Pa. Glass-running device. No. 1,065,682; June 24; Gaz. vol. 191; p. 959.
- Hardison, Edwin A., Bakersfield, R. W. Gunn, and W. A. S. Thompson, Los Angeles, Cal. Deep-well liner-pump. No. 1,064,071; June 10; Gaz. vol. 191; p. 343.
- Hardman, Peter, Willimantic, Conn. Carding-machine. No. 1,049,475; Jan. 7; Gaz. vol. 186; p. 53.
- Hardoncourt, Arthur, Jr., New York, N. Y. Wall construction and tile or block therefor. No. 1,068,338; July 22; Gaz. vol. 192; p. 936.
- Hardsoeg, Fred B., Ottumwa, Iowa. Knockdown carpenter's square. No. 1,065,242; June 17; Gaz. vol. 191; p. 771.
- Hardsoeg Wonder Drill Company, The. (See Smith, Clark J., assignor.)
- Hardwick, William A., assignor of one-half to R. L. Graves, Memphis, Tenn. Cut-off for barrel-filling devices. No. 1,064,208; June 10; Gaz. vol. 191; p. 391.
- Hardy, Frederick, Columbia, Tenn. Trace-holder. No. 1,063,437; June 3; Gaz. vol. 191; p. 90.
- Hardy, James F., assignor to Consolidated Dental Manufacturing Company, New York, N. Y. Dental broach-blank-making machine. No. 1,082,589; Dec. 30; Gaz. vol. 197; p. 1042.
- Hardy, Julius R. (See Nolley, David D., assignor.)
- Hardy, Orlen, Raymond, Cal. Double-ended gas-engine. No. 1,067,334; July 15; Gaz. vol. 192; p. 561.
- Hardy, Paul, assignor of one-half to J. A. Edge, Walnut Springs, Tex. Non-freezing water-supply system. No. 1,079,982; Dec. 2; Gaz. vol. 197; p. 22.
- Hardy, Stanley, St. Louis, Mo. Cloth-cutting machine. No. 1,071,521; Aug. 26; Gaz. vol. 193; p. 930.
- Hare, Emlen S. (See Whitney and Hare.)
- Hargove, Willis, Blocton, Ala. Steamship. No. 1,081,446; Dec. 16; Gaz. vol. 197; p. 593.
- Haring, Kurt. (See Spalteholz and Haring.)
- Haring, Peter P., Goliad, Tex. Cotton-picker. No. 1,054,113; Feb. 25; Gaz. vol. 187; p. 887.
- Haring, Peter P., Goliad, Tex. Cotton-picking machine. No. 1,076,573; Oct. 21; Gaz. vol. 195; p. 740.
- Harkey, William L. (See Harp, William I., assignor.)
- Harkins, Thomas F., assignor of one-half to M. A. Nicholson and one-half to A. E. Fowlie, Leadville, Colo. Pulp-feeder. No. 1,081,737; Dec. 16; Gaz. vol. 197; p. 687.
- Harkness, William E., East Orange, N. J. Selective signaling system. No. 1,058,176; Apr. 8; Gaz. vol. 189; p. 313.
- Harkom, John W., Melbourne, Quebec, Canada. Tap and valve. No. 1,070,803; Aug. 19; Gaz. vol. 193; p. 659.
- Harlan, Alfred, Indianapolis, Ind. Spring-lock. No. 1,062,909; May 27; Gaz. vol. 190; p. 911.
- Harlan, William B., Churchville, Md. Furniture. No. 1,053,384; Feb. 18; Gaz. vol. 187; p. 603.
- Harlan, Wilson P., Brawley, Cal. Flume-gate. No. 1,063,438; June 3; Gaz. vol. 191; p. 90.
- Harlé, Emile, assignor to Société Harlé & Cie., Paris, France. Regulator for steam-accumulators. No. 1,066,411; July 1; Gaz. vol. 192; p. 176.
- Harley, Charles, assignor to Ludington Basket Company, Ludington, Mich. Basket-machine. No. 1,061,939; May 13; Gaz. vol. 190; p. 504.
- Harley, Thomas, and R. G. Long, assignors to The U. S. Mechanical Draft Company, Lawrence, Kans. Forced-draft grate. No. 1,083,094; Dec. 30; Gaz. vol. 197; p. 1215.
- Harley, William S., Milwaukee, Wis. Stand-latch for motor-cycles. No. 1,062,003; May 20; Gaz. vol. 190; p. 566.
- Harley, William S., Milwaukee, Wis. Frame for motor-cycles or like vehicles. No. 1,068,583; July 29; Gaz. vol. 192; p. 1057.
- Harley, William S., Milwaukee, Wis. Variable-speed gearing. No. 1,070,462; Aug. 19; Gaz. vol. 193; p. 544.
- Harlow, John S. (See Bell, Charles W., assignor.)
- Harman, B. H. (See Ward, William L., assignor.)
- Harman, George H. (See Barrows, Robert Y., assignor.)
- Harmatta, Johann, Szepesvaralja, Austria-Hungary. Rail-fastening. No. 1,080,008; Dec. 2; Gaz. vol. 197; p. 31.
- Harmison, Leo. (See Blaul and Harmison.)
- Harmon, Frank L., Beverly, Mass., assignor to United Shoe Machinery Company, Paterson, N. J. Buttonhole-piece. No. 1,076,764; Oct. 28; Gaz. vol. 195; p. 860.
- Harmon, Frank L., Beverly, Mass., assignor to United Shoe Machinery Company, Paterson, N. J. Channeling-machine. No. 1,082,631; Dec. 30; Gaz. vol. 197; p. 1057.
- Harmon, James W., Lawrenceburg, Tenn. Shoe and glove fastener. No. 1,081,231; Dec. 9; Gaz. vol. 197; p. 481.
- Harmon, John S., Ashtabula, Ohio. Collapsible barrel. No. 1,077,138; Oct. 28; Gaz. vol. 195; p. 983.
- Harmon, Joseph, Duluth, Minn. Hot-air register. No. 1,067,245; July 15; Gaz. vol. 192; p. 528.

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- Harmon, William H., Chicago, Ill. Gas-stove. No. 1,072,115; Sept. 2; Gaz. vol. 194; p. 153.
- Harmon, William S., Arleta, Oreg. Mechanical movement. No. 1,056,413; Mar. 18; Gaz. vol. 188; p. 661.
- Harmony, William P., Sidney, Ohio. Feed-guide for printing-presses. No. 1,074,861; Oct. 7; Gaz. vol. 195; p. 92.
- Harms, Carl T., Fayetteville, Tenn. Tie and rail-fastener. No. 1,067,335; July 15; Gaz. vol. 192; p. 561.
- Harms, Edwin P., Detroit, Mich. Hydrocarbon-burner. No. 1,080,688; Dec. 9; Gaz. vol. 197; p. 298.
- Harmuth, Albert. (See Eschellmann and Harmuth.)
- Harned, John M., Madisonville, Ky. Tobacco-cultivator. No. 1,074,619; Oct. 7; Gaz. vol. 195; p. 10.
- Harner, John A., Cedar Falls, Iowa. Automatic guiding means for tractors. No. 1,064,827; June 17; Gaz. vol. 191; p. 635.
- Harnes, George W., and L. S. Adams, Sterling, Colo. Fountain-brush. No. 1,051,328; Jan. 21; Gaz. vol. 186; p. 754.
- Harnett, John T., Philadelphia, Pa. Combination bath trap, waste, and overflow. No. 1,070,372; Aug. 12; Gaz. vol. 193; p. 472.
- Harnishfeger, Alexander, assignor of one-half to M. A. Strouse, Evansville, Ind. Tire-support. No. 1,062,462; May 20; Gaz. vol. 190; p. 721.
- Harnly, Albert K., Reading, Pa. Locking device for fuel-supply valves. No. 1,062,154; May 20; Gaz. vol. 190; p. 619.
- Harnly, George L. (See McCleary and Harnly.)
- Harp, Charles B., Los Angeles, Cal. Bond and reinforcement for hollow-wall construction. No. 1,063,439; June 3; Gaz. vol. 191; p. 90.
- Harp, Thad S., *et al.* (See Harrison, Henry, assignor.)
- Harp, William I., Galax, Va., assignor of one-half to W. L. Harkey, Lexington, N. C. Bed-brace. No. 1,063,876; June 3; Gaz. vol. 191; p. 241.
- Harpel, Benjamin F., assignor to Tipton Foundry Company, Topton, Pa. Grate. No. 1,055,906; Mar. 11; Gaz. vol. 188; p. 456.
- Harper, Arthur C. (See Grauer, Robert, assignor.)
- Harper, Arthur E., Newark, N. J., and H. H. Riggs, Hyde Park, Mass. Film-camera. No. 1,073,982; Sept. 23; Gaz. vol. 194; p. 889.
- Harper, Charles O., Louisville, Ky. Camera attachment. No. 1,068,895; July 29; Gaz. vol. 192; p. 1168.
- Harper, Ebenezer H. (See Hancock, James C., assignor.)
- Harper Engineering Company *et al.* (See Harper, William, Jr., assignor.)
- Harper, Grace L., *et al.* (See Myers, Flora H., assignor.)
- Harper, Horace G., Detroit, Mich. Piston-ring remover. No. 1,054,347; Feb. 25; Gaz. vol. 187; p. 969.
- Harper, Horace G., Detroit, Mich. Register. No. 1,068,238; July 22; Gaz. vol. 192; p. 901.
- Harper, John, Fairfield, Iowa. Furnace. No. 1,054,114; Feb. 25; Gaz. vol. 187; p. 888.
- Harper, William, Jr., New Bloomfield, Pa., assignor, by mesne assignments, of three-tenths to Harper Engineering Company and seven-tenths to T. A. Nevins, East Orange, N. J. Internal-combustion engine. No. 1,063,440; June 3; Gaz. vol. 191; p. 91.
- Harper, William, Jr., New Bloomfield, Pa., assignor, by mesne assignments, of three-tenths to Harper Engineering Company and seven-tenths to T. A. Nevins, East Orange, N. J. Internal-combustion engine. No. 1,063,538; June 3; Gaz. vol. 191; p. 124.
- Harpham, G. E. (See Ferguson, Robert B., assignor.)
- Harpster, Raymond B., Hepler, and J. J. Gees, Walnut, Kans. Wall-paper-measuring device. No. 1,076,034; Oct. 21; Gaz. vol. 195; p. 552.
- Harr, Dock D., Minneapolis, Minn. Heating and ventilating system. No. 1,054,688; Mar. 4; Gaz. vol. 188; p. 11.
- Harralson, Edward, Memphis, Tenn. Coin-assorter. No. 1,076,113; Oct. 21; Gaz. vol. 195; p. 580.
- Harrell, Riddick R., Suffolk, Va. Ball-and-socket joint. No. 1,055,168; Mar. 4; Gaz. vol. 188; p. 173.
- Harrell, Simmons, Valdosta, Ga. Transmission mechanism for windmills. No. 1,055,037; Mar. 4; Gaz. vol. 188; p. 131.
- Harries, Carl, Kiel, assignor to Farbenfabriken vorm. Friedr. Bayer & Co., Elberfeld, Germany. Caoutchouc substances and making same. No. 1,058,056; Apr. 8; Gaz. vol. 189; p. 269.
- Harries, Carl, Kiel, assignor to Farbenfabriken vorm. Friedr. Bayer & Co., Elberfeld, Germany. Caoutchouc substance and making same. No. 1,073,116; Sept. 16; Gaz. vol. 194; p. 566.
- Harries, David T., and G. Jones, Chicago, Ill. Clamp for concrete-forms. No. 1,064,727; June 17; Gaz. vol. 191; p. 604.
- Harrigan, John, New York, N. Y. Furnace. No. 1,059,153; Apr. 15; Gaz. vol. 189; p. 688.
- Harrild, Guilford R., assignor of one-half to J. W. Codd, Spokane, Wash. Evaporative refrigerator. No. 1,071,047; Aug. 26; Gaz. vol. 193; p. 772.
- Harriman, Elliot W., Taunton, Mass. Reversible gearing. No. 1,057,641; Apr. 1; Gaz. vol. 189; p. 83.
- Harrington, Alexander W., Brooklyn, assignor to A. W. Harrington Company, New York, N. Y. Making waxed paper. No. 1,063,441; June 3; Gaz. vol. 191; p. 91.
- Harrington, Allie, Stockton, Cal. Collapsible curtain-stretcher. No. 1,067,518; July 15; Gaz. vol. 192; p. 622.
- Harrington, Clement G., assignor to American Car and Foundry Company, St. Louis, Mo. Dumping-car. No. 1,066,607; July 8; Gaz. vol. 192; p. 275.
- Harrington, Clement G., assignor to American Car and Foundry Company, St. Louis, Mo. Dumping-car. No. 1,066,728; July 8; Gaz. vol. 192; p. 319.
- Harrington Company, A. W. (See Harrington, Alexander W., assignor.)
- Harrington, Frank T., Chicago, Ill. Trousers-pattern with hem and cuff extension. No. 1,064,072; June 10; Gaz. vol. 191; p. 343.
- Harrington, James P., and E. L. Byrne, Dorchester, Mass. Rotary file-cabinet. No. 1,072,451; Sept. 9; Gaz. vol. 194; p. 295.
- Harrington, John A., Indianapolis, Ind., assignor, by mesne assignments, to H. Warren, trustee, Detroit, Mich. Coin-container. No. 1,070,958; Aug. 19; Gaz. vol. 193; p. 707.
- Harrington, John L. (See Waddell and Harrington.)
- Harrington, John L., Kansas City, Mo. Gate for bridges. No. 1,067,169; July 8; Gaz. vol. 192; p. 467.
- Harrington, Joseph. (See Pöppenhusen and Harrington.)
- Harrington, Joseph, Riverside, Ill. Furnace. No. 1,058,365; Apr. 8; Gaz. vol. 189; p. 379.
- Harrington, Joseph, Riverside, Ill. Furnace. No. 1,065,359; June 24; Gaz. vol. 191; p. 848.
- Harrington, Joseph, Riverside, Ill. Feeding device for furnaces. No. 1,075,352; Oct. 14; Gaz. vol. 195; p. 290.
- Harrington, Joseph A., South Boston, assignor of one-half to M. J. Lydon, Boston, Mass. Strapping device. No. 1,065,243; June 17; Gaz. vol. 191; p. 771.
- Harrington, Laura, Davenport, Iowa. Egg-case. No. 1,061,374; May 13; Gaz. vol. 190; p. 312.
- Harrington, Michael J., and F. Jutras, Laurium, Mich. Dust-proof basket. No. 1,053,989; Feb. 25; Gaz. vol. 187; p. 846.
- Harrington, Michael J., and F. Jutras, Laurium, Mich. Metal-soled shoe. No. 1,060,452; Apr. 29; Gaz. vol. 189; p. 1207.
- Harris, Albert M., Jenkinjones, W. Va. Vehicle brake-lever. No. 1,071,736; Sept. 2; Gaz. vol. 194; p. 23.
- Harris, Alexander B. B., Chicago, Ill., assignor of one-half to W. G. Arn, Memphis, Tenn. Coaling-station. No. 1,082,194; Dec. 23; Gaz. vol. 197; p. 871.
- Harris, Amanda L., Kansas City, Mo. Trash-burner. No. 1,065,445; June 24; Gaz. vol. 191; p. 878.
- Harris, Archer H., Youngstown, Ohio. Vehicle-wheel. No. 1,049,579; Jan. 7; Gaz. vol. 186; p. 90.
- Harris, Arthur G., Lancaster county, Nebr. Composition of matter. No. 1,063,792; June 3; Gaz. vol. 191; p. 215.
- Harris, Augustus E. (See Harris, Frank G. and A. E.)
- Harris Automatic Press Company, The. (See Smith, Walter H., assignor.)
- Harris, Carl C., Orange, Mass. Time-keeping device. No. 1,067,025; July 8; Gaz. vol. 192; p. 416.
- Harris, Charles M., Putnam, Okla. Whiffletree. No. 1,057,148; Mar. 25; Gaz. vol. 188; p. 947.
- Harris, Charles T., Staunton, Va. Brake-lever. No. 1,067,732; July 15; Gaz. vol. 192; p. 695.
- Harris, Charles W., assignor, by mesne assignments, of one-half to J. W. Young, New Brighton, Pa. Self-heating attachment for sad-irons. No. 1,063,793; June 3; Gaz. vol. 191; p. 215.
- Harris, Cornelius, Winchester, Ind. Farming implement. No. 1,074,569; Sept. 30; Gaz. vol. 194; p. 1110.
- Harris, Crawford and E. Biardstown, Tex. Horse-releaser. No. 1,058,177; Apr. 8; Gaz. vol. 189; p. 313.
- Harris, David F. (See Wolfes, Louis F., assignor.)
- Harris, De Lancey P., New York, N. Y. Plug for tires. No. 1,064,643; June 10; Gaz. vol. 191; p. 538.
- Harris, Edward E., assignor to The Corona Mfg. Co., Valliant, Okla. Window-shade-controlling device. No. 1,069,131; Aug. 5; Gaz. vol. 193; p. 14.
- Harris, Eligah. (See Harris, Crawford and E.)
- Harris, Elijah P., assignor to The Payson Manufacturing Company, Chicago, Ill. Sash-operating device. No. 1,056,788; Mar. 25; Gaz. vol. 188; p. 822.
- Harris, Ford W., Wilkinsburg, assignor, by mesne assignments, to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Switching device. No. 1,069,331; Aug. 5; Gaz. vol. 193; p. 85.
- Harris, Frank. (See Stewart, Willis N., assignor.)
- Harris, Frank G. and A. E., Salem, Ohio. Stall-frame. No. 1,053,031; Feb. 11; Gaz. vol. 187; p. 437.
- Harris, Frank W., Fayetteville, N. Y. Grate. No. 1,058,235; Apr. 8; Gaz. vol. 189; p. 332.
- Harris, Gordon D., Bay Shore, and J. S. Pollard, Mamaronck, assignors to General Dehydrator Company, New York, N. Y. Dehydrating apparatus. No. 1,054,765; Mar. 4; Gaz. vol. 188; p. 38.
- Harris, Harry, Tyrone, Pa. Bit-stock. No. 1,065,360; June 24; Gaz. vol. 191; p. 848.
- Harris, Harry B. (See Napier and Harris.)
- Harris, Hiram, Minneapolis, Minn. Adjustable school-desk. No. 1,076,114; Oct. 21; Gaz. vol. 195; p. 581.

- Harris, Hollis H., assignor to The Thew Automatic Shovel Company, Lorain, Ohio. Truck-steering mechanism. No. 1,069,417; Aug. 5; Gaz. vol. 193; p. 116.
- Harris, Hollis H., Lorain, assignor to The Thew Automatic Shovel Company, Cleveland, Ohio. Truck. No. 1,081,041; Dec. 9; Gaz. vol. 197; p. 418.
- Harris, Irvin F., Waxahachie, Tex. Nutcracker. No. 1,052,663; Feb. 11; Gaz. vol. 187; p. 312.
- Harris, Irvin F., Waxahachie, Tex. Vending-machine. No. 1,069,132; Aug. 5; Gaz. vol. 193; p. 15.
- Harris, Jane, Germantown, Pa. Portable laundry-basket. No. 1,082,323; Dec. 23; Gaz. vol. 197; p. 919.
- Harris, John, Cleveland, Ohio. Carbureter. No. 1,066,608; July 8; Gaz. vol. 192; p. 275.
- Harris, John F., Pickens, S. C. Hay curing and stacking device. No. 1,080,441; Dec. 2; Gaz. vol. 197; p. 184.
- Harris, John R., Crafton, Pa. Insulator. No. 1,079,239; Nov. 18; Gaz. vol. 196; p. 752.
- Harris, Joseph, London, England, assignor, by mesne assignments, to Union Typewriter Company, Jersey City, N. J. Type-writing machine. No. 1,053,385; Feb. 18; Gaz. vol. 187; p. 604.
- Harris, Joseph D., assignor to The Westinghouse Air Brake Company, Pittsburgh, Pa. Flexible-hose protector. No. 1,062,155; May 20; Gaz. vol. 190; p. 619.
- Harris, Joseph O., Columbia Heights, Minn., assignor, by mesne assignments, to American Brake Shoe & Foundry Company, Mahwah, N. J. Means for holding inserts in place in molds. No. 1,079,550; Nov. 25; Gaz. vol. 196; p. 888.
- Harris, Leroy B., Belton, Mo. Irrigating apparatus. No. 1,058,582; Apr. 8; Gaz. vol. 189; p. 451.
- Harris, Lewis J., Albany, Ga. Fare-register. No. 1,082,422; Dec. 23; Gaz. vol. 197; p. 950.
- Harris, Martin V., Beardstown, Tenn. Wire-stretcher. No. 1,054,542; Feb. 25; Gaz. vol. 187; p. 1034.
- Harris, Mary F., assignor of one-half to W. D. Lewis, Carthage, Ill. Automobile-bonnet. No. 1,073,345; Sept. 16; Gaz. vol. 194; p. 648.
- Harris, Max. (See Kraemer, Frank, assignor.)
- Harris, Michael C., Philadelphia, Pa. Antiskidding device for tires. No. 1,053,504; Feb. 18; Gaz. vol. 187; p. 645.
- Harris, Moses H., New York, N. Y. Advertising device. No. 1,069,781; Aug. 12; Gaz. vol. 193; p. 268.
- Harris, Oscar W. (See Hodge, Arthur J., assignor.)
- Harris, P. H. (See Gibson, Thomas W., assignor.)
- Harris Player Piano Company. (See Goolman, Frederick R., assignor.)
- Harris, Rees C., Blakely, Ga. Safety-link. No. 1,051,224; Jan. 21; Gaz. vol. 186; p. 719.
- Harris, Samuel E., Pittsburgh, Pa. Adjustable bucket-holder. No. 1,056,669; Mar. 18; Gaz. vol. 188; p. 751.
- Harris, Samuel J., Randolph, Mass. Boot and shoe. No. 1,062,826; May 27; Gaz. vol. 190; p. 883.
- Harris, Wallace R. (See Mitchell, Harris, and Meriwether.)
- Harris, Wallace R., Morristown, N. J. Light and sunshade goggles. No. 1,060,083; Apr. 29; Gaz. vol. 189; p. 1078.
- Harris, William, Newark, N. J. Sign-illuminator. No. 1,073,346; Sept. 16; Gaz. vol. 194; p. 649.
- Harris, William A., Greenville, S. C. Automatic pump. No. 1,053,032; Feb. 11; Gaz. vol. 187; p. 437.
- Harris, William E., Harrisburg, N. C. Automatic sprinkling apparatus. No. 1,056,901; Mar. 25; Gaz. vol. 188; p. 861.
- Harris, William G. (See Rutter, Sidney E., assignor.)
- Harris, William L., Petersburg, Va. Peanut-planter. No. 1,063,028; May 27; Gaz. vol. 190; p. 949.
- Harris, William M., Jr., North Scituate, R. I. Block-hook. No. 1,071,048; Aug. 26; Gaz. vol. 193; p. 773.
- Harrison, Alfred F., Weybridge, and O. L. Peard, Croydon, England. Heating appliance. No. 1,054,409; Feb. 25; Gaz. vol. 187; p. 990.
- Harrison, Arthur. (See Ames and Harrison.)
- Harrison, Charles R., deceased; L. F. McLean, Fond du Lac, Wis., administrator de bonis non. Railway-post-office-car construction. No. 1,073,231; Sept. 16; Gaz. vol. 194; p. 607.
- Harrison, David A., Los Angeles, Cal. Solar water-heater. No. 1,068,650; July 29; Gaz. vol. 192; p. 1081.
- Harrison, David M., assignor of one-half to H. C. Williams, Dixon, Tex. Churn. No. 1,053,386; Feb. 18; Gaz. vol. 187; p. 604.
- Harrison, Earl D. (See Stevens, Harrison, and Machado.)
- Harrison, Earl H. (See Harrison, Harry W. and E. H.)
- Harrison, Ernest, Great Grimsby, England. Construction of ships with floating cabins. No. 1,069,692; Aug. 12; Gaz. vol. 193; p. 236.
- Harrison, Frederick J., and W. J. Knox, Dubois, Pa. Bumper-beam, pilot, and coupling-pocket construction. No. 1,071,155; Aug. 26; Gaz. vol. 193; p. 808.
- Harrison, George C., Elyria, Ohio. Bag-holder. No. 1,055,745; Mar. 11; Gaz. vol. 188; p. 402.
- Harrison, George E., Sacramento, Cal. Plow. No. 1,076,671; Oct. 28; Gaz. vol. 195; p. 828.
- Harrison, George H., and G. E. McGibney, Corning, N. Y. Twin concrete-block machine. No. 1,070,252; Aug. 12; Gaz. vol. 193; p. 430.
- Harrison, Harry W. and E. H., Detroit, Mich. Attachment for lathes. No. 1,067,218; July 8; Gaz. vol. 192; p. 485.
- Harrison, Henry, assignor of one-fourth to T. S. Harp and one-half to I. L. Avery, Rifle, Colo. Beet-topper. No. 1,076,363; Oct. 21; Gaz. vol. 195; p. 666.
- Harrison, Henry H., Boston, Mass. Dried fruit and drying the same. No. 1,062,969; May 27; Gaz. vol. 190; p. 930.
- Harrison, Henry H., Boston, Mass. Machine for venting cranberries and other products. No. 1,069,946; Aug. 12; Gaz. vol. 193; p. 324.
- Harrison, Herbert C., assignor to Harrison Manufacturing Company Inc., Lockport, N. Y. Radiator-cell structure. No. 1,076,115; Oct. 21; Gaz. vol. 195; p. 581.
- Harrison, Herbert C., assignor to Harrison Manufacturing Company Inc., Lockport, N. Y. Hexagonal construction of radiator-cells. No. 1,076,364; Oct. 21; Gaz. vol. 195; p. 666.
- Harrison, Herbert C., assignor, by mesne assignments, to Harrison Manufacturing Company Inc., Lockport, N. Y. Radiator. No. 1,076,422; Oct. 21; Gaz. vol. 195; p. 686.
- Harrison, Herbert C., and E. C. F. Streichert, Lockport, N. Y. Radiator-cell section. No. 1,073,579; Sept. 16; Gaz. vol. 194; p. 727.
- Harrison, Howard R., Detroit, Mich. Auxiliary tension device for shock-absorbers. No. 1,051,403; Jan. 28; Gaz. vol. 186; p. 813.
- Harrison, James, Anderson, S. C. Wire-stretcher. No. 1,062,331; May 20; Gaz. vol. 190; p. 678.
- Harrison, James R., Peoria, Ill. Traction road-machine. No. 1,066,811; July 8; Gaz. vol. 192; p. 346.
- Harrison, John P., Jr., Ludlow, Ky. Adding-machine. No. 1,063,348; June 3; Gaz. vol. 191; p. 60.
- Harrison, John W., et al. (See Morgan, John B., assignor.)
- Harrison, John W., Richmond, Va. Double-walled vessel with metallic end closure. No. 1,073,983; Sept. 23; Gaz. vol. 194; p. 889.
- Harrison, Joseph R., and G. W. Hooper, Nashville, Ark. Combined plow and subsoiler. No. 1,074,620; Oct. 7; Gaz. vol. 195; p. 11.
- Harrison Manufacturing Company. (See Harrison, Percy, assignor.)
- Harrison Manufacturing Company Inc. (See Harrison, Herbert C., assignor.)
- Harrison, Martin E., Parnassus, and H. D. McCutcheon, Pittsburgh, Pa. Steam or electrical street-railway grade-crossing. No. 1,078,437; Nov. 11; Gaz. vol. 196; p. 445.
- Harrison, Percy, assignor to Harrison Manufacturing Company, Baltimore, Md. Collar attachment. No. 1,082,517; Dec. 30; Gaz. vol. 197; p. 1015.
- Harrison, Philip, New York, N. Y. Magnifying device. No. 1,059,868; Apr. 22; Gaz. vol. 189; p. 962.
- Harrison, Philip B., assignor to Chicago Railway Equipment Company, Chicago, Ill. Adjustable brake-head. No. 1,059,360; Apr. 22; Gaz. vol. 189; p. 795.
- Harrison, Philip B., assignor to Chicago Railway Equipment Company, Chicago, Ill. Finger-guard clamp. No. 1,059,361; Apr. 22; Gaz. vol. 189; p. 795.
- Harrison Radiator Company, The. (See Streichert, Emil C. F., assignor.)
- Harrison Safety Boiler Works. (See Alliger, Gamble, and Gibson, assignors.)
- Harrison Safety Boiler Works. (See Gamble, Joseph W., assignor.)
- Harrison Safety Boiler Works. (See Gibson, George H., assignor.)
- Harrison Safety Boiler Works. (See Jay, Edward G., Jr., assignor.)
- Harrison Safety Boiler Works. (See Jones, Gamble, and Gibson, assignors.)
- Harrison Safety Boiler Works. (See Wallem, Axel B., assignor.)
- Harrison, Samuel A., Chicago, Ill. Automobile and vehicle tire. No. 1,057,734; Apr. 1; Gaz. vol. 189; p. 115.
- Harrison, William H., Philadelphia, Pa. Combined rope-clamp and hook. No. 1,069,250; Aug. 5; Gaz. vol. 193; p. 58.
- Harrison, William H., Detroit, Mich., assignor to Chicago Railway Equipment Company, Chicago, Ill. Strut for brake-beams. No. 1,070,804; Aug. 19; Gaz. vol. 193; p. 659.
- Harrison, William L., Branford, Conn. Pump. No. 1,067,811; July 22; Gaz. vol. 192; p. 755.
- Harrison, James A. G., Potchefstroom, Transvaal. Adjustment for regulating the discharge of liquids over crest-weirs and the like. No. 1,061,240; May 6; Gaz. vol. 190; p. 232.
- Harrod, Walter E., Harrod, Ohio. Index-tab. No. 1,071,916; Sept. 2; Gaz. vol. 194; p. 85.
- Harrold, Elmer, assignor to The Crescent Machine Company, Leetonia, Ohio. Cutter-head-knife-adjusting wrench. No. 1,050,455; Jan. 14; Gaz. vol. 186; p. 422.
- Harrold, Elmer, and C. G. Wilderson, assignors to The Crescent Machine Company, Leetonia, Ohio. Saw-guard. No. 1,050,649; Jan. 14; Gaz. vol. 186; p. 487.

Alphabetical list of patentees—Continued.

- Harrold, Elmer, and C. G. Wilderson, assignors to The Crescent Machine Company, Leetonia, Ohio. Band-saw guard. No. 1,068,239; July 22; Gaz. vol. 192; p. 901.
- Harrold, Harmon H., Canal Dover, assignor to The Wise-Harrold Electric Company, New Philadelphia, Ohio. Pump for vacuum-cleaners. No. 1,067,812; July 22; Gaz. vol. 192; p. 755.
- Harrold, Harmon H., Canal Dover, assignor to The Wise-Harrold Electric Company, New Philadelphia, Ohio. Vacuum-cleaner. No. 1,067,813; July 22; Gaz. vol. 192; p. 756.
- Harrold, Henry, Chicago, Ill. Illuminated advertising device. No. 1,066,493; July 8; Gaz. vol. 192; p. 235.
- Harrop, Benjamin T., Winnfield, La. Log-stake. No. 1,079,172; Nov. 18; Gaz. vol. 196; p. 730.
- Harrow, Alfred F. (See Nelson, Victor E. and R. G., assignors.)
- Harry, Aubrey C., Portsmouth, Ohio. Portable wall-paper hanger. No. 1,075,824; Oct. 14; Gaz. vol. 195; p. 452.
- Harry, Simon J., Washington, D. C. Ticket-dating stamp. No. 1,068,896; July 29; Gaz. vol. 192; p. 1169.
- Harsey, Haskell, assignor of one-half to J. H. Senterfitt, Andalusia, Ala. Puller. No. 1,061,840; May 13; Gaz. vol. 190; p. 470.
- Harsh, Samuel E., Wabash, Ind. Bridge-collar pad. No. 1,063,257; June 3; Gaz. vol. 191; p. 29.
- Harsberger, Frank M., Lead City, S. D. Clarifying apparatus. No. 1,068,767; July 29; Gaz. vol. 192; p. 1122.
- Harston, Edgar S., *et al.* (See Morris, William H., assignor.)
- Hart, Adolph T. (See Heffley, Robert A., assignor.)
- Hart, Albert E., New York, N. Y. Gasket and retainer therefor. No. 1,082,324; Dec. 23; Gaz. vol. 197; p. 919.
- Hart, Allen W., Glencoe, Ohio. Trolley catcher or guard. No. 1,066,008; July 1; Gaz. vol. 192; p. 37.
- Hart, Casey A. (See Sieber, William, assignor.)
- Hart, Charles A., Findlay, Ohio. Automobile-jack. No. 1,076,365; Oct. 21; Gaz. vol. 195; p. 667.
- Hart, Charles A., Findlay, Ohio. Automobile-jack. No. 1,080,442; Dec. 2; Gaz. vol. 197; p. 184.
- Hart, Charles E. (See Jackulvic and Hart.)
- Hart, Charles H., Hartford, and G. B. Stretch, Meriden, Conn. Burnishing-machine. No. 1,050,534; Jan. 14; Gaz. vol. 186; p. 450.
- Hart & Cooley Company, The. (See Goodwin, Edward C., assignor.)
- Hart, Edward, Easton, Pa. Making potash alum. No. 1,062,278; May 20; Gaz. vol. 190; p. 661.
- Hart, Ferdinand S., Elizabethton, Tenn. Track-cleaner. No. 1,054,543; Feb. 25; Gaz. vol. 187; p. 1035.
- Hart, Franklin H., assignor to C. Cowles & Co., New Haven, Conn. Electric lamp. No. 1,069,947; Aug. 12; Gaz. vol. 193; p. 325.
- Hart, Frederick A., Hartford, Conn., assignor to J. T. Underwood, Brooklyn, N. Y. Stand for type-writing machines, &c. No. 1,063,877; June 3; Gaz. vol. 191; p. 241.
- Hart, Frederick A., Hartford, Conn., assignor to J. T. Underwood, Brooklyn, N. Y. Stand for type-writing machines. No. 1,063,878; June 3; Gaz. vol. 191; p. 241.
- Hart, George, Williamsport, Pa. Valve-disk. No. 1,072,004; Sept. 2; Gaz. vol. 194; p. 115.
- Hart, George B., Rochester, N. Y. Detachable bail for flower-pots and like articles. No. 1,077,879; Nov. 4; Gaz. vol. 196; p. 218.
- Hart, George B., Rochester, N. Y. Combined tack and staple. No. 1,077,880; Nov. 4; Gaz. vol. 196; p. 218.
- Hart, George D., Chicago, Ill. Book-signature, pamphlet, &c. No. 1,075,417; Oct. 14; Gaz. vol. 195; p. 313.
- Hart, Gerald W., West Hartford, assignor to The Hart Manufacturing Company, Hartford, Conn. Electrically-operated apparatus. No. 1,058,178; Apr. 8; Gaz. vol. 189; p. 314.
- Hart, Gerald W., West Hartford, assignor to The Hart Manufacturing Company, Hartford, Conn. Switch. No. 1,058,179; Apr. 8; Gaz. vol. 189; p. 314.
- Hart, Gerald W., West Hartford, assignor to The Hart Manufacturing Company, Hartford, Conn. Switch. No. 1,071,737; Sept. 2; Gaz. vol. 194; p. 23.
- Hart, Gerald W., West Hartford, assignor to The Hart Manufacturing Company, Hartford, Conn. Switch. No. 1,080,058; Dec. 2; Gaz. vol. 197; p. 49.
- Hart & Hegeman Manufacturing Company, The. (See Guett, Monroe, assignor.)
- Hart & Hegeman Manufacturing Company, The. (See Newton, Fayette C., assignor.)
- Hart, Henry A. (See Beals, John E. L., assignor.)
- Hart, Howard C., Russiaville, Ind. Differential-gear mechanism. No. 1,053,727; Feb. 18; Gaz. vol. 187; p. 723.
- Hart, Hubert C., Unionville, Conn. Nut-lock. No. 1,058,583; Apr. 8; Gaz. vol. 189; p. 452.
- Hart, Hubert C., Unionville, Conn. Set-screw. No. 1,061,176; May 6; Gaz. vol. 190; p. 210.
- Hart, John A., Blackburn, England. Apparatus for producing interaction between liquids and gases or vapors. No. 1,072,849; Sept. 9; Gaz. vol. 194; p. 434.
- Hart, John B. (See Hinckley, Henry D., assignor.)
- Hart, John H., Memphis, Tenn. Horse and mule collar. No. 1,051,104; Jan. 21; Gaz. vol. 186; p. 680.
- Hart Manufacturing Company, The. (See Hart, Gerald W., assignor.)
- Hart Manufacturing Company, The. (See Leppert, Henry E., assignor.)
- Hart Manufacturing Company, The. (See Palmer, Granville E., assignor.)
- Hart, Paul R., Bradford, Ohio. Switch-thrower. No. 1,069,133; Aug. 5; Gaz. vol. 193; p. 15.
- Hart, Rennie E., Flushing, Mich. Recording attachment for scales. No. 1,081,738; Dec. 16; Gaz. vol. 197; p. 687.
- Hart, William, Tarrytown, N. Y. Wheel-mount for vehicles. No. 1,072,716; Sept. 9; Gaz. vol. 194; p. 386.
- Hart, William H., Jr., Philadelphia, Pa. Folder or container for goods. No. 1,073,117; Sept. 16; Gaz. vol. 194; p. 566.
- Hartbauer, August W. L. (See Sparks and Hartbauer.)
- Hartbauer, August W. L., Chicago, Ill., assignor to American Car and Foundry Company, St. Louis, Mo. Deck-sash pivot and latch. No. 1,074,117; Sept. 30; Gaz. vol. 194; p. 963.
- Hartbauer, August W. L., assignor to American Car and Foundry Company, St. Louis, Mo. Hood panel-casting. No. 1,078,278; Nov. 11; Gaz. vol. 196; p. 387.
- Hartbauer, August W. L., Chicago, Ill., and L. C. Sparks, assignors to American Car & Foundry Company, St. Louis, Mo. Metallic filing-cabinet. No. 1,078,279; Nov. 11; Gaz. vol. 196; p. 388.
- Hartbauer, August W. L., Chicago, Ill., and L. C. Sparks, assignors to American Car & Foundry Company, St. Louis, Mo. Metallic letter-case. No. 1,078,280; Nov. 11; Gaz. vol. 196; p. 388.
- Hartel, William, Cleveland, Ohio. Power-drill. No. 1,061,474; May 13; Gaz. vol. 190; p. 348.
- Hartenfels, Oscar, Berlin, Germany. Gumming device for envelop-machines. No. 1,056,023; Mar. 18; Gaz. vol. 188; p. 530.
- Hartenstein, Herman L., Constantine, Mich., assignor to Electro-Chemical & Development Co., Pierre, S. D. Producing metallic products from iron ore. No. 1,050,735; Jan. 14; Gaz. vol. 186; p. 514.
- Hartenstein, Herman L., Constantine, Mich., assignor to Electro-Chemical & Development Co., Pierre, S. D. Producing metallic products from iron ore. No. 1,050,736; Jan. 14; Gaz. vol. 186; p. 515.
- Harter, Godfrey. (See Primrose and Harter.)
- Harter, Gustav A., Chicago, and J. C. Smith, Oak Park, Ill.; said Harter assignor to R. H. Rice. Combined illuminating and advertising device. No. 1,075,565; Oct. 14; Gaz. vol. 195; p. 364.
- Harter, Noah S., Waukegan, Ill. Cord-slack take-up. No. 1,070,684; Aug. 19; Gaz. vol. 193; p. 619.
- Harter, Noah S., Waukegan, Ill., assignor to The American Steel & Wire Company of New Jersey, Hoboken, N. J. Apparatus for coiling and bending helical springs. No. 1,050,363; Jan. 14; Gaz. vol. 186; p. 389.
- Harter, Noah S., Waukegan, Ill., assignor to The American Steel & Wire Company of New Jersey, Hoboken, N. J. Helical-spring-hooking machine. No. 1,051,497; Jan. 28; Gaz. vol. 186; p. 845.
- Harter, Philip P., Nuremberg, Pa. Ironing-table. No. 1,063,442; June 3; Gaz. vol. 191; p. 91.
- Hartford, Edward V., New York, N. Y. Antivibration device for vehicles. No. 1,080,630; Dec. 9; Gaz. vol. 197; p. 278.
- Hartford, Edward V., Deal, N. J. Shock-absorber. No. 1,081,962; Dec. 23; Gaz. vol. 197; p. 793.
- Hartford Machine Screw Company, The. (See Seward, Ernest R., assignor.)
- Hartford Rubber Works Company, The. (See Midgley, Thomas, assignor.)
- Hartford Suspension Company. (See Trufant, Walter E., assignor.)
- Harthill, Alfred W., and I. E. Stamets, Elkhart, Ind. Trombone-slide. No. 1,062,279; May 20; Gaz. vol. 190; p. 661.
- Hartig, William F., Evansville, Ind. Subsoil attachment for plows. No. 1,073,984; Sept. 23; Gaz. vol. 194; p. 890.
- Hartlett, George D., *et al.* (See Hartlett and Wheeler, assignors.)
- Hartlett, George D., and W. A. Wheeler, New Canaan, assignors of one-half to said G. D. Hartlett and one-half to C. E. Powell, Stamford, Conn. Window-screen. No. 1,069,251; Aug. 5; Gaz. vol. 193; p. 58.
- Hartley, Bernard M., assignor of one-half to W. F. Swift, West Haven, Conn. Fishing-float. No. 1,072,005; Sept. 2; Gaz. vol. 194; p. 116.
- Hartley, De Bert, Chicago, Ill. Flying-machine. No. 1,068,651; July 29; Gaz. vol. 192; p. 1081.
- Hartley, De Bert, Chicago, Ill. Flying-machine. No. 1,068,652; July 29; Gaz. vol. 192; p. 1082.
- Hartley, James, Philadelphia, Pa. Thermostatic circuit-closer. No. 1,080,339; Dec. 2; Gaz. vol. 197; p. 148.
- Hartley, John W., Stone, and R. H. Bishop, London, England. Roundabout. No. 1,053,595; Feb. 18; Gaz. vol. 187; p. 677.
- Hartley, William, Atlanta, Ind. Mold for concrete posts. No. 1,060,630; May 6; Gaz. vol. 190; p. 39.

Alphabetical list of patentees—Continued.

- Hartlieb, Julius W. (See Hirschberg and Hartlieb.)
Hartman, August H., Stamford, Conn. Drinking-fountain. No. 1,077,707; Nov. 4; Gaz. vol. 196; p. 159.
Hartman & Braun, A. G. (See Bruger, Theodor, assignor.)
Hartman, Emanuel W., Oakland, assignor to California Building Material Company, San Francisco, Cal. Head-collar for piles. No. 1,059,461; Apr. 22; Gaz. vol. 189; p. 830.
Hartman, George A., Denver, Colo. Motor-cycle seat. No. 1,082,423; Dec. 23; Gaz. vol. 197; p. 951.
Hartman, Harry B., assignor of one-half to himself and one-half to G. A. Dunning, Philadelphia, Pa. Electrode-box. No. 1,065,361; June 24; Gaz. vol. 191; p. 849.
Hartman, Harry B., assignor of one-half to himself and one-half to G. A. Dunning, Philadelphia, Pa. Flow-responsive circuit-controller. No. 1,065,362; June 24; Gaz. vol. 191; p. 849.
Hartman, Harry B., assignor of one-half to himself and one-half to G. A. Dunning, Philadelphia, Pa. Reversing-switch mechanism. No. 1,065,363; June 24; Gaz. vol. 191; p. 850.
Hartman Manufacturing Company. (See Schmidt, William L., assignor.)
Hartman, Mary E. (See Martin, William E., assignor.)
Hartman, Oscar H. (See Ziegel, Fred, assignor.)
Hartman, W. H. (See Smith, Edward H., assignor.)
Hartman, William W., and H. S. Cahn, Los Angeles, Cal., assignors to said Cahn. Operating means for clutches. No. 1,072,116; Sept. 2; Gaz. vol. 194; p. 153.
Hartmann, Emil, assignor to Alma Manufacturing Company of Baltimore City, Baltimore, Md. Pivoted-tongue buckle. No. 1,072,717; Sept. 9; Gaz. vol. 194; p. 386.
Hartmann, Henry G., assignor to C. D. Osborn Company, Chicago, Ill. Glove. No. 1,079,647; Nov. 25; Gaz. vol. 196; p. 922.
Hartmann, John, Jersey City, N. J. Shelf-frame. No. 1,065,045; June 17; Gaz. vol. 191; p. 705.
Hartmann, Marie J. E., St. Louis, Mo. Ironing-board attachment for kitchen-tables. No. 1,064,728; June 17; Gaz. vol. 191; p. 604.
Hartmann, Max, and E. Jacoby, Munich, Germany. Producing stable hydrogen-peroxid compounds. No. 1,063,679; June 3; Gaz. vol. 191; p. 178.
Hartness, James, Springfield, Vt. Metal-turning tool. No. 1,054,840; Mar. 4; Gaz. vol. 188; p. 65.
Hartness, James, Springfield, Vt. Turning-tool. No. 1,056,097; Mar. 18; Gaz. vol. 188; p. 555.
Hartness, James, Springfield, Vt. Cutter for metal-turning tools. No. 1,063,680; June 3; Gaz. vol. 191; p. 178.
Hartness, James, Springfield, Vt. Metal-working machine. No. 1,063,681; June 3; Gaz. vol. 191; p. 178.
Hartness, James, Springfield, Vt. Lathe. No. 1,063,682; June 3; Gaz. vol. 191; p. 179.
Hartness, James, Springfield, Vt. Chuck. No. 1,077,470; Nov. 4; Gaz. vol. 196; p. 82.
Hartness, James, Springfield, Vt. Chuck. No. 1,082,590; Dec. 30; Gaz. vol. 197; p. 1042.
Hartness, James, and G. A. Perry; said Perry assignor to Jones & Lamson Machine Company, Springfield, Vt. Turret-lathe. No. 1,056,332; Mar. 18; Gaz. vol. 188; p. 634.
Hartog, Stephen D., St. Louis, Mo. Multiple punch and die. No. 1,070,887; Aug. 19; Gaz. vol. 193; p. 685.
Hartog, Stephen D., St. Louis, Mo. Machine for operating on commutators. No. 1,070,888; Aug. 19; Gaz. vol. 193; p. 685.
Hartog, Stephen D., St. Louis, Mo. Making punches and dies. No. 1,070,889; Aug. 19; Gaz. vol. 193; p. 685.
Harton, Jefferson A. G., Brooklyn, N. Y. Line-indicator for type-writing paper. No. 1,064,475; June 10; Gaz. vol. 191; p. 483.
Hartshorn, Edmund F., Newark, assignor to Stewart Hartshorn Company, East Newark, N. J. Clip for securing shades to rollers. No. 1,059,990; Apr. 29; Gaz. vol. 189; p. 1048.
Hartshorn, Edmund F., Newark, assignor to Stewart Hartshorn Company, East Newark, N. J. Awning. No. 1,080,829; Dec. 9; Gaz. vol. 197; p. 351.
Hartshorn, Edmund F., Newark, assignor to Stewart Hartshorn Company, East Newark, N. J. Awning. No. 1,080,910; Dec. 9; Gaz. vol. 197; p. 377.
Hartshorn, Edmund F., Newark, assignor to Stewart Hartshorn Company, East Newark, N. J. Awning. No. 1,081,042; Dec. 9; Gaz. vol. 197; p. 419.
Hartter, Walter, *et al.* (See Dirksen, Theodor L., assignor.)
Hartung, Harry H., Boston, Mass. Manufacturing artificial fuel. No. 1,050,535; Jan. 14; Gaz. vol. 186; p. 451.
Hartwell, Ralph W., Davenport, Iowa. Ice-box. No. 1,080,551; Dec. 9; Gaz. vol. 197; p. 253.
Hartwick, Edward, Belvue, Kans. Harness-buckle. No. 1,054,200; Feb. 25; Gaz. vol. 187; p. 918.
Hartwig, Charles, New York, assignor to F. G. Zinsser, Hastings-upon-Hudson, N. Y. Bottle-capping machine. No. 1,069,948; Aug. 12; Gaz. vol. 193; p. 325.
Harty, John J., *et al.* (See Crossley, Albert D., assignor.)
Hartzell, Isadore W., Rock Glen, Pa. Automatic trap chicken-nest. No. 1,051,952; Feb. 4; Gaz. vol. 187; p. 37.
Hartzoge, Charles C. (See Hudspeth and Hartzoge.)
Harvey, Alfred and H. C., Milwaukee, Wis. Machine for manufacturing pompons. No. 1,079,125; Nov. 18; Gaz. vol. 196; p. 714.
Harvey, Amasa, Georgetown, S. C. Safety thrust-bearing for grinding-machines. No. 1,049,710; Jan. 7; Gaz. vol. 186; p. 134.
Harvey, Arthur I., and C. Ryden, Providence, R. I., assignors to Universal Winding Company, Portland, Me. Winding-machine. No. 1,076,574; Oct. 21; Gaz. vol. 195; p. 741.
Harvey, Charles J., Kidderminster, England. Suction-producing device. No. 1,079,761; Nov. 25; Gaz. vol. 196; p. 964.
Harvey, Charles T., deceased; S. V. E. Harvey, executrix, New York, N. Y. Elevated railway. No. 1,060,566; Apr. 29; Gaz. vol. 189; p. 1247.
Harvey Frost & Company Limited. (See Welch, Walter H., assignor.)
Harvey, George C., Geneva, Ohio. Concrete structure. No. 1,050,130; Jan. 14; Gaz. vol. 186; p. 309.
Harvey, George L., Chicago, Ill. Friction-spring. No. 1,073,678; Sept. 23; Gaz. vol. 194; p. 785.
Harvey, Harold C. (See Harvey, Alfred and H. C.)
Harvey, Isaac J., Helvetia, Pa. Automatic gate. No. 1,056,537; Mar. 18; Gaz. vol. 188; p. 708.
Harvey, Joseph C., Chicago, Ill., assignor to Moon-Hopkins Billing Machine Company, St. Louis, Mo. Tally-roll attachment. No. 1,072,452; Sept. 9; Gaz. vol. 194; p. 295.
Harvey, Matthew, Walsall, England. Portable crucible-furnace. No. 1,062,970; May 27; Gaz. vol. 190; p. 930.
Harvey, Millsome W., Sykesville, Pa. Automatic gate for mine elevator-shafts. No. 1,055,633; Mar. 11; Gaz. vol. 188; p. 364.
Harvey, Moses W., Clear Creek, assignor of one-half to H. F. West, Paintsville, W. Va. Headlight-shifter. No. 1,049,852; Jan. 7; Gaz. vol. 186; p. 182.
Harvey, Robert. (See Chodorkow and Harvey.)
Harvey, Sarah V. E., executrix. (See Harvey, Charles T.)
Harvey, Wesley G., Wellsville, N. Y. Sad-iron cleaner and waxer. No. 1,062,332; May 20; Gaz. vol. 190; p. 679.
Harvey, William R., New Brighton, England. Advertisement-displaying mechanism for cash-registers or tills. No. 1,056,276; Mar. 18; Gaz. vol. 188; p. 617.
Harvick, Otis E. (See Knowles, Latham A., assignor.)
Harwood, Sumpter L., Dublin, Ga. Fire-extinguisher. No. 1,062,463; May 20; Gaz. vol. 190; p. 721.
Harwood, Sumpter L., assignor of three-eighths to J. M. Finn, Dublin, Ga. Fire-extinguisher. No. 1,068,897; July 29; Gaz. vol. 192; p. 1169.
Hasburg, John W., Chicago, Ill. Paint-package. No. 1,049,711; Jan. 7; Gaz. vol. 186; p. 135.
Hasburg, John W., Chicago, Ill. Making gold pigment. No. 1,057,422; Apr. 1; Gaz. vol. 189; p. 11.
Hasburg, John W., Chicago, Ill. Paint-package. No. 1,060,084; Apr. 29; Gaz. vol. 189; p. 1078.
Haseltine, Stacy B., assignor to W. H. Miner, Chicago, Ill. Heater-door fastener. No. 1,060,756; May 6; Gaz. vol. 190; p. 66.
Haseltine, Stacy B., assignor to W. H. Miner, Chicago, Ill. Draft-yoke for railway-car draft-rigging. No. 1,073,232; Sept. 16; Gaz. vol. 194; p. 607.
Hasenpflug, Christopher, and H. Brandau, St. Louis, Mo. Window cold-storage box. No. 1,052,247; Feb. 4; Gaz. vol. 187; p. 140.
Hasenzahl, Ferdinand, Bellevue, Ky., assignor to The Western Surgical Supply Company, Cincinnati, Ohio. Adjustable table. No. 1,079,487; Nov. 25; Gaz. vol. 196; p. 866.
Hashim, Hashim S., Raymond, Wash. Lock. No. 1,061,177; May 6; Gaz. vol. 190; p. 210.
Haskell, Edward H., *et al.* (See Teresa, Antonio, assignor.)
Haskell, Frederick F., Medford, assignor to Cambridge Novelty Company, Cambridge, Mass. Bow-holder. No. 1,076,423; Oct. 21; Gaz. vol. 195; p. 687.
Haskell, Homer E., Huntington, W. Va. Heater for injectors. No. 1,066,271; July 1; Gaz. vol. 192; p. 131.
Haskell, Johnnie C. (See Dysinger and Haskell.)
Haskell, William E., Brattleboro, Vt. Gasolene-engine. No. 1,064,476; June 10; Gaz. vol. 191; p. 483.
Haskell, William E., assignor to Estey Organ Company, Brattleboro, Vt. Organ-coupler. No. 1,078,851; Nov. 18; Gaz. vol. 196; p. 618.
Haskell, William E., assignor to Estey Organ Company, Brattleboro, Vt. Organ-coupler. No. 1,078,852; Nov. 18; Gaz. vol. 196; p. 619.
Haskett, John W., Chatsworth, N. J. Hat-pin guard. No. 1,059,729; Apr. 22; Gaz. vol. 189; p. 918.
Haskins, Caryl D., Schenectady, N. Y., assignor to General Electric Company. Thermal cut-out. No. 1,060,757; May 6; Gaz. vol. 190; p. 66.
Haskins, William, assignor of one-eighth to C. G. Worthington, Hartford, Conn. Railway-rail attachment. No. 1,055,274; Mar. 4; Gaz. vol. 188; p. 206.

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- Haskins, William H., San Jose, Cal. Safety-holdback. No. 1,051,498; Jan. 28; Gaz. vol. 186; p. 846.
- Hasler A. G. vormalts Telegraphen-Werkstätte von G. Hasler. (See Aberegg, Otto, assignor.)
- Hasler A. G. vormalts Telegraphen Werkstätte von G. Hasler. (See Kohler, Ulrich, assignor.)
- Hassard, Frank. (See Kentana, Louis, assignor.)
- Hassel, Georg M. von, New York, N. Y. Tree-tapping apparatus. No. 1,070,339; Aug. 12; Gaz. vol. 193; p. 459.
- Hassel, Nels H., Los Angeles, Cal. Foot-rest. No. 1,067,733; July 15; Gaz. vol. 192; p. 695.
- Hassell, Jerry M., Warsaw, N. C. Logging-car. No. 1,071,412; Aug. 26; Gaz. vol. 193; p. 895.
- Hassell, Lon, assignor of one-half to E. M. Parsons, Adger, Ala. Automatic railway-switch. No. 1,053,596; Feb. 18; Gaz. vol. 187; p. 678.
- Hassler, Carl, Aalen, Germany. Atomizer. No. 1,077,708; Nov. 4; Gaz. vol. 196; p. 160.
- Hässler, Charles I. F., Stockholm, Sweden. Apparatus for electrically heating water, air, or other medium by means of a heat-magazine. No. 1,069,949; Aug. 12; Gaz. vol. 193; p. 325.
- Hastedt, Clifford T. (See Woodstrom and Hastedt.)
- Haster, Wilhelm, Siegen, Germany. Beet-harvesting machine. No. 1,077,978; Nov. 11; Gaz. vol. 196; p. 284.
- Hastings, Alonzo L., Chicago, Ill. Side frame for car-trucks. No. 1,061,611; May 13; Gaz. vol. 190; p. 397.
- Hastings, Alonzo L., Chicago, Ill. Railway-truck. No. 1,064,684; June 10; Gaz. vol. 191; p. 553.
- Hastings, Alonzo L., Chicago, Ill. Reel. No. 1,066,609; July 8; Gaz. vol. 192; p. 276.
- Hastings, Alonzo L., Chicago, Ill. Railway-truck side frame. No. 1,066,610; July 8; Gaz. vol. 192; p. 276.
- Hastings, Alonzo L., Chicago, Ill. Constructing bolsters. No. 1,077,709; Nov. 4; Gaz. vol. 196; p. 160.
- Hastings, Edward A. (See Moore, Robert C., assignor.)
- Hastings, Frederick D., *et al.* (See Propson, Harry E., assignor.)
- Hastings, Herbert, assignor to German American Button Company, Rochester, N. Y. Assorting-machine. No. 1,082,632; Dec. 30; Gaz. vol. 197; p. 1057.
- Hastings, James H., Yokohama, Japan. Paper-sheet self-feeding device for printing-machines. No. 1,050,650; Jan. 14; Gaz. vol. 186; p. 488.
- Hastings, James H., Yokohama, Japan. Printing-machine. No. 1,069,418; Aug. 5; Gaz. vol. 193; p. 116.
- Hastings, Ralph V., Chicago, Ill. Tire-protector. No. 1,073,118; Sept. 16; Gaz. vol. 194; p. 566.
- Hastings, Ralph V., Chicago, Ill. Tire-protector. No. 1,077,275; Nov. 4; Gaz. vol. 196; p. 11.
- Hastings, Ruben C. M., assignor to The International Telephone Co., Columbus, Ohio. Selective system of telephony. No. 1,061,285; May 13; Gaz. vol. 190; p. 283.
- Hastings, Ruben C. M., assignor to The International Telephone Co., Columbus, Ohio. Selecting apparatus for telephone systems. No. 1,061,286; May 13; Gaz. vol. 190; p. 283.
- Hastings, Ruben C. M., assignor to The International Telephone Co., Columbus, Ohio. Telephone system. No. 1,061,287; May 13; Gaz. vol. 190; p. 283.
- Hastings, Ruben C. M., assignor to The International Telephone Co., Columbus, Ohio. Telephone system. No. 1,062,004; May 20; Gaz. vol. 190; p. 567.
- Hatch, Edwin G., New York, N. Y. Apparatus for generating motive fluid. No. 1,049,580; Jan. 7; Gaz. vol. 186; p. 91.
- Hatch, Edwin G., New York, N. Y. Smoke-consuming system. No. 1,064,477; June 10; Gaz. vol. 191; p. 483.
- Hatch, Edwin G., New York, N. Y. Smoke-consuming system. No. 1,064,478; June 10; Gaz. vol. 191; p. 484.
- Hatch, W. M., *et al.* (See Sullivan, John W., assignor.)
- Hatch, William, Terminal Island, assignor to G. and R. Mason, San Pedro, Cal. Producing potash. No. 1,057,827; Apr. 1; Gaz. vol. 189; p. 148.
- Hatcher, William A., Grand Rapids, Mich. Rotary pump. No. 1,065,244; June 17; Gaz. vol. 191; p. 771.
- Hatfield, Eleanor M., New York, N. Y. Elastic for children's socks. No. 1,059,869; Apr. 22; Gaz. vol. 189; p. 962.
- Hatfield, John, Brooklyn, N. Y. Unit filing-cabinet. No. 1,076,116; Oct. 21; Gaz. vol. 195; p. 581.
- Hatfield, John A., and C. R. Yates, Newport, England. Producing clean or deoxidized metal surfaces. No. 1,080,059; Dec. 2; Gaz. vol. 197; p. 49.
- Hatfield, Ulcy R., Macon, Ga. Valve-controlling mechanism for air-brakes. No. 1,049,853; Jan. 7; Gaz. vol. 186; p. 182.
- Hathaway, Albert E. (See Hogg and Hathaway.)
- Hathaway, Dallas C., Sheldon, Ill. Combination tire valve-stem and pressure-gage. No. 1,079,704; Nov. 25; Gaz. vol. 196; p. 942.
- Hathaway, Edgar F., and C. Lea, Boston, Mass., assignors to American Warp Drawing Machine Company. Warp-replenishing machine. No. 1,075,712; Oct. 14; Gaz. vol. 195; p. 413.
- Hathaway, Hosea, Boston, Mass. Weighing and adding scale. No. 1,079,336; Nov. 25; Gaz. vol. 196; p. 815.
- Hathaway, John H., Maywood, Ill. Agitating device. No. 1,054,201; Feb. 25; Gaz. vol. 187; p. 918.
- Hathaway, M. C. (See Wiebe, Sigurd, assignor.)
- Hathaway, Maria T., Bigtimber, Mont. Kitchen-steel holder. No. 1,049,476; Jan. 7; Gaz. vol. 186; p. 53.
- Hathcox, Alvis J., Durant, Okla. Metal railway-tie and rail-fastening. No. 1,071,413; Aug. 26; Gaz. vol. 193; p. 895.
- Hatt, Joseph A. H., New York, N. Y. Half-tone screen. No. 1,066,611; July 8; Gaz. vol. 192; p. 276.
- Hattenback, Nathan J., and A. H. Handy, Denver, Colo.; said Handy assignor to said Hattenback. Combined step, extension, and hanging ladder. No. 1,050,273; Jan. 14; Gaz. vol. 186; p. 358.
- Hatter, John A., assignor of one-half to N. V. Robbins, Vicksburg, Miss. Bolt and nut lock. No. 1,081,668; Dec. 16; Gaz. vol. 197; p. 664.
- Hattersley and Sons, George. (See Monk, William B., assignor.)
- Hatz, George J. (See Fuller and Hatz.)
- Hatz, George J., assignor of one-half to C. E. Fuller, Omaha, Nebr. Water-gage. No. 1,051,105; Jan. 21; Gaz. vol. 186; p. 680.
- Hatz, George J., assignor of one-half to C. E. Fuller, Omaha, Nebr. Gage-cock. No. 1,051,106; Jan. 21; Gaz. vol. 186; p. 681.
- Hatz, George J., assignor of one-half to C. E. Fuller, Omaha, Nebr. Water-gage. No. 1,072,608; Sept. 9; Gaz. vol. 194; p. 349.
- Hatzel, William L., and T. Stoetzel, New York, N. Y. Drill-extractor. No. 1,055,169; Mar. 4; Gaz. vol. 188; p. 173.
- Hatzfeld, Charles, Mineral Wells, Tex. Table-cloth clasp. No. 1,069,134; Aug. 5; Gaz. vol. 193; p. 15.
- Hatzfeld, Wilhelm. (See Glanschnig, Ignaz, assignor.)
- Hatzfield, Charles, Mineral Wells, Tex. Window structure. No. 1,052,721; Feb. 11; Gaz. vol. 187; p. 330.
- Hauberg, Sophus C., Copenhagen, Denmark. Centrifugal milk-separating machine. No. 1,081,304; Dec. 16; Gaz. vol. 197; p. 544.
- Hauck, Arthur E., New York, N. Y. Heater for removing tires. No. 1,053,913; Feb. 18; Gaz. vol. 187; p. 783.
- Hauelsen, William C. (See Jameson, Alexander, assignor.)
- Hauenstein, John, Jr., New Ulm, Minn. Cigar and cigarette holder. No. 1,080,552; Dec. 9; Gaz. vol. 197; p. 253.
- Hauerbach, Otto. (See Naylor, Lester O., assignor.)
- Haug, Andrew. (See Babson and Haug.)
- Haug, Charles F., St. Paul, Minn. Sandpapering-machine. No. 1,060,595; May 6; Gaz. vol. 190; p. 11.
- Haug, Gottlieb B., Philadelphia, Pa. Writing-pen. No. 1,080,760; Dec. 9; Gaz. vol. 197; p. 325.
- Haug, John, Berkeley, Cal. Starting and reversing apparatus for internal-combustion engines. No. 1,066,108; July 1; Gaz. vol. 192; p. 72.
- Haug, John, Berkeley, Cal. Fuel-supply-valve mechanism for internal-combustion engines. No. 1,070,032; Aug. 12; Gaz. vol. 193; p. 354.
- Haug, John, Berkeley, Cal. Internal-combustion engine. No. 1,071,156; Aug. 26; Gaz. vol. 193; p. 808.
- Haugen, Arthur B., Calvin, N. D. Mouse-trap. No. 1,053,597; Feb. 18; Gaz. vol. 187; p. 678.
- Haugen, Theophilus B., Northwood, Iowa. Gas-engine silencer. No. 1,070,600; Aug. 19; Gaz. vol. 193; p. 591.
- Haugh, Benjamin F., Anderson, Ind. Car-coupling knuckle. No. 1,078,498; Nov. 11; Gaz. vol. 196; p. 464.
- Haugh, Benjamin F., Anderson, Ind. Casting car-coupling knuckles. No. 1,078,499; Nov. 11; Gaz. vol. 196; p. 464.
- Haugh, Benjamin F., Anderson, Ind. Casting knuckles for car-couplings. No. 1,078,500; Nov. 11; Gaz. vol. 196; p. 464.
- Haugnes, Hans, Garrison, N. D. Spring-drill eye. No. 1,054,841; Mar. 4; Gaz. vol. 188; p. 65.
- Haukom, Halvor E., Minot, N. D. Carpenter's gage. No. 1,081,529; Dec. 16; Gaz. vol. 197; p. 622.
- Haupt, Ernst, Perth Amboy, N. J. Washline-hanger. No. 1,074,321; Sept. 30; Gaz. vol. 194; p. 1030.
- Haupt, John, Rochester, N. Y. Combined chocolate dipping table and cooler. No. 1,053,033; Feb. 11; Gaz. vol. 187; p. 437.
- Hauptmann, Peter, Leverkusen, near Cologne, assignor to Farbenfabriken vorm. Friedr. Bayer & Co., Elberfeld, Germany. Azo dye. No. 1,073,754; Sept. 23; Gaz. vol. 194; p. 812.
- Hauptmann, Peter, Leverkusen, near Cologne, assignor to Farbenfabriken vorm. Friedr. Bayer & Co., Elberfeld, Germany. Azo dye. No. 1,074,946; Oct. 7; Gaz. vol. 195; p. 121.
- Hause, Percy O., Mifflinburg, Pa. Railway-splice. No. 1,055,170; Mar. 4; Gaz. vol. 188; p. 173.
- Hauser, Albert, *et al.* (See Briede, Joseph H., assignor.)
- Hauser, Altus T., Ellensburg, Wash. Convertible hair-cutter and safety-razor. No. 1,077,530; Nov. 4; Gaz. vol. 196; p. 102.
- Hauser, Gustav W., Jr., Jackson, Tenn. Awning-fixture. No. 1,054,654; Feb. 25; Gaz. vol. 187; p. 1073.
- Hauser, John H., assignor of one-half to F. E. Nichol, Killam, Alberta, Canada. Sheaf loader and unloader. No. 1,058,969; Apr. 15; Gaz. vol. 189; p. 624.
- Hauser, John H., assignor of one-half to F. E. Nichol, Killam, Alberta, Canada. Brush-cutter. No. 1,058,970; Apr. 15; Gaz. vol. 189; p. 625.

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- Hauser, Percy, and A. G. McLaughlin, Altoona, Pa. Candle-lamp. No. 1,078,197; Nov. 11; Gaz. vol. 196; p. 359.
- Hauser, Percy, and A. G. McLaughlin, Altoona, Pa. Candle-lamp. No. 1,078,198; Nov. 11; Gaz. vol. 196; p. 360.
- Häusermann, Jakob, Stetten, near Lörrach, Germany, assignor to Gebr. Stäubli, Horgen, Canton of Zurich, Switzerland. Ribbon-loom. No. 1,072,944; Sept. 9; Gaz. vol. 194; p. 470.
- Hauskey, Ole R., Lake Preston, S. D. Garden-tool. No. 1,069,007; July 29; Gaz. vol. 192; p. 1204.
- Hausler, Joseph. (See Branitzky, William T., assignor.)
- Hausman, Ward B., Philadelphia, Pa. Perforator. No. 1,082,518; Dec. 30; Gaz. vol. 197; p. 1015.
- Hausmann, Bernard, San Francisco, Cal., assignor to The Facile Window Company, Inc. Lifting appliance. No. 1,062,971; May 27; Gaz. vol. 190; p. 931.
- Hausner, William, and A. Schweigert, Cleveland, Ohio. Refrigerator. No. 1,072,453; Sept. 9; Gaz. vol. 194; p. 295.
- Hauss, David J., Aurora, Ind. Electric furnace. No. 1,060,839; May 6; Gaz. vol. 190; p. 95.
- Hausman, Herman, North Chicago, Ill. Tool-holder. No. 1,083,679; Sept. 23; Gaz. vol. 194; p. 785.
- Hausmann, John F., Milwaukee, Wis. Tool for handling compressed coiled springs. No. 1,077,606; Nov. 4; Gaz. vol. 196; p. 126.
- Havard, Oliver D., Scranton, Pa. Transverse dumping-grate. No. 1,064,904; June 17; Gaz. vol. 191; p. 659.
- Havemeyer, Henry O., Mahwah, N. J. Automobile sign-holder. No. 1,080,631; Dec. 9; Gaz. vol. 197; p. 279.
- Haven, Clarence B., Niagara Falls, N. Y., and H. Vanderpool, Turtle Creek, Pa.; said Haven assignor to said Vanderpool. Gas-heated sad-iron. No. 1,054,689; Mar. 4; Gaz. vol. 188; p. 12.
- Havener, Arthur R., Waltham, Mass., assignor to American Lacing Hook Co. Feed mechanism for lacing-hook-setting machines. No. 1,078,350; Nov. 11; Gaz. vol. 196; p. 414.
- Havener, Arthur R., Waltham, Mass., assignor to Judson L. Thomson Mfg. Co. Riveting-machine, multiple-drive. No. 1,081,447; Dec. 16; Gaz. vol. 197; p. 593.
- Havens, Emily A., White Plains, N. Y. Skirt-marker. No. 1,077,068; Oct. 28; Gaz. vol. 195; p. 968.
- Haverhill Shoe Machinery Company. (See Pettengill, George M., assignor.)
- Haverhill Shoe Machinery Company. (See Webster, Edwin A., assignor.)
- Haverland, Ludwig F. C., and J. H. Thomas, North Adelaide, South Australia, Australia. Harness-saddle. No. 1,060,453; Apr. 29; Gaz. vol. 189; p. 1208.
- Havers, Ephraim W., London, England. Gas-valve. No. 1,079,337; Nov. 25; Gaz. vol. 196; p. 816.
- Haviland, Harry F., *et al.* (See Miller, Clarence D., assignor.)
- Hawaiian Pineapple Company. (See Ginaca, Henry G., assignor.)
- Haves, David H., Bridgeport, Conn. Fountain shaving-brush. No. 1,056,538; Mar. 18; Gaz. vol. 188; p. 708.
- Hawes, Herbert E., New York, N. Y. Flying-machine. No. 1,067,425; July 15; Gaz. vol. 192; p. 591.
- Hawes, Herbert E., New York, N. Y. Spring shade-roller. No. 1,069,613; Aug. 5; Gaz. vol. 193; p. 180.
- Hawes, James C., Brooklyn, N. Y. Wrench. No. 1,050,131; Jan. 14; Gaz. vol. 186; p. 309.
- Hawk, Charles. (See Hemingray and Hawk.) (Reissue.)
- Hawk, Clara M., executor. (See Hawk, Franklin A.)
- Hawk, Eli A., Minneapolis, Minn. Waiter's check. No. 1,075,648; Oct. 14; Gaz. vol. 195; p. 393.
- Hawk, Franklin A., deceased, Central Point, Oreg.; C. M. Hawk, executor. Combined baby jumper and swing. No. 1,055,975; Mar. 11; Gaz. vol. 188; p. 479.
- Hawk, Franklin A., deceased, Central Point, Oreg.; C. M. Hawk, executor. Combined baby jumper and swing. No. 1,061,669; May 13; Gaz. vol. 190; p. 417.
- Hawk, Jacob, Masontown, Pa. Valve-gate for coal-washers. No. 1,051,809; Jan. 28; Gaz. vol. 186; p. 948.
- Hawkanson, Axel H., Chicago, Ill. Collar-fastening. No. 1,055,634; Mar. 11; Gaz. vol. 188; p. 364.
- Hawkins, Ben H., Brooks, Oreg. Trolley-wheel. No. 1,055,275; Mar. 4; Gaz. vol. 188; p. 206.
- Hawkins, Henry E., Clovis, Cal. Combined blotter-holder and ruler. No. 1,059,154; Apr. 15; Gaz. vol. 189; p. 688.
- Hawkins, J. C. (See Bump, George P., assignor.)
- Hawkins, Laurence A., Schenectady, N. Y., assignor to General Electric Company. Starting device for alternating-current motors. No. 1,055,907; Mar. 11; Gaz. vol. 188; p. 456.
- Hawkins, Laurence A., Schenectady, N. Y., assignor, by mesne assignments, to The Union Switch and Signal Company. Apparatus for governing the passage of cars or vehicles along a railway and the control thereof. No. 1,067,228; July 8; Gaz. vol. 192; p. 488.
- Hawkins, Laurence A., Schenectady, N. Y., assignor, by mesne assignments, to The Union Switch and Signal Company. Semaphore-signal. No. 1,073,680; Sept. 23; Gaz. vol. 194; p. 786.
- Hawkins, Millard J., Hoopeston, Ill. Can-tipping machine. No. 1,053,990; Feb. 25; Gaz. vol. 187; p. 846.
- Hawkins, Oscar P. (See Myer and Hawkins.)
- Hawkins, Peter, Kokomo, Ind. Combination-tool. No. 1,059,462; Apr. 22; Gaz. vol. 189; p. 831.
- Hawkins, William H., Springfield, Mass. Card-cabinet plate-check. No. 1,058,236; Apr. 8; Gaz. vol. 189; p. 333.
- Hawks, Horatio C., Newton, Mass. Electric-lamp fixture. No. 1,070,463; Aug. 19; Gaz. vol. 193; p. 544.
- Hawks, William, assignor of one-half to C. W. Andrews, Duluth, Minn. Water-heating apparatus. No. 1,054,202; Feb. 25; Gaz. vol. 187; p. 919.
- Hawks, William, assignor of one-half to C. W. Andrews, Duluth, Minn. Water-heating apparatus. No. 1,072,609; Sept. 9; Gaz. vol. 194; p. 349.
- Hawksley, Arthur F., Fairhaven, England. Wheel for motor-cars and other vehicles. No. 1,072,226; Sept. 2; Gaz. vol. 194; p. 189.
- Hawley, Cornell S. (See Ekstrom, Axel, assignor.)
- Hawley, Eugene W., Philadelphia, Pa. Wardrobe-trunk. No. 1,083,012; Dec. 30; Gaz. vol. 197; p. 1188.
- Hawley, Joel E., Kansas City, Mo. Music-lyre. No. 1,057,381; Mar. 25; Gaz. vol. 188; p. 1023.
- Hawley, Joel E., assignor of one-half to H. Snyder, Kansas City, Mo. Combination-tableware. No. 1,053,387; Feb. 18; Gaz. vol. 187; p. 604.
- Hawn, Andrew P., Goodland, assignor of one-half to J. Wolf, Laporte, Ind. Plow. No. 1,067,111; July 8; Gaz. vol. 192; p. 447.
- Haworth, Clement V. (See Lynde, Frederick C., assignor.)
- Hawthorne, Ellsworth A. (See Klumpp, Gottlob and P., assignors.)
- Hawthorne, Ellsworth A., Bridgeport, Conn. Lighting apparatus. No. 1,074,716; Oct. 7; Gaz. vol. 195; p. 45.
- Hawthorne Manufacturing Company. (See Madden, Edward J., assignor.)
- Hawthorne Manufacturing Company, The. (See Maytrott, Henry, assignor.)
- Hawthorne Manufacturing Company. (See Welker, Alexander H., assignor.)
- Hawthurst, John J., and E. F. Nicolai, New York, N. Y. Carbureting device. No. 1,078,349; Nov. 11; Gaz. vol. 196; p. 414.
- Hay, Christian E., Cataldo, Idaho. Bed. No. 1,072,610; Sept. 9; Gaz. vol. 194; p. 350.
- Hay, Howard M., Chicago, Ill. Sound-deadening and attaching device for writing-machines. No. 1,069,693; Aug. 12; Gaz. vol. 193; p. 237.
- Hay, John F., Erie, Pa. Stove-top. No. 1,060,085; Apr. 29; Gaz. vol. 189; p. 1078.
- Hay, John F., assignor to Malleable Iron Company, Erie, Pa. Stove-top. No. 1,060,086; Apr. 29; Gaz. vol. 189; p. 1079.
- Hay, John J., *et al.* (See Cook, Edward G., assignor.)
- Hay, John T., Darke county, Ohio. Automatic take-up for journal-boxes. No. 1,058,862; Apr. 15; Gaz. vol. 189; p. 586.
- Hay, Peter D., assignor to Detroit Sanitary Supply Company, Detroit, Mich. Liquid-trap. No. 1,075,254; Oct. 7; Gaz. vol. 195; p. 230.
- Hay, Soren P., Spokane, Wash. Milk-condenser. No. 1,067,336; July 15; Gaz. vol. 192; p. 561.
- Hay, Walter, Seville, assignor to The Postalgraph Company, Cleveland, Ohio. Feeding device for printing-machines. No. 1,078,281; Nov. 11; Gaz. vol. 196; p. 388.
- Hayden, Arthur C., Brockton, Mass. Honer and strop-per. No. 1,073,119; Sept. 16; Gaz. vol. 194; p. 566.
- Hayden, Joseph L. R., Schenectady, N. Y., assignor to General Electric Company. Luminous or flaming arc electrode. No. 1,049,854; Jan. 7; Gaz. vol. 186; p. 182.
- Hayden, Joseph L. R., Schenectady, N. Y., assignor to General Electric Company. Electrode. No. 1,050,019; Jan. 7; Gaz. vol. 186; p. 237.
- Hayden, Joseph L. R., Schenectady, N. Y., assignor to General Electric Company. Chemical reaction by means of an electric arc. No. 1,066,272; July 1; Gaz. vol. 192; p. 132.
- Hayden, Joseph L. R., Schenectady, N. Y., assignor to General Electric Company. Electrochemical process. No. 1,072,945; Sept. 9; Gaz. vol. 194; p. 470.
- Hayden, Joseph L. R., Schenectady, N. Y., assignor to General Electric Company. Electrode. No. 1,075,713; Oct. 14; Gaz. vol. 195; p. 414.
- Hayden, Joseph L. R., Schenectady, N. Y., assignor to General Electric Company. Vapor-rectifier for high-potential circuits. No. 1,076,672; Oct. 28; Gaz. vol. 195; p. 828.
- Hayden, Joseph L. R., Schenectady, N. Y., assignor to General Electric Company. Vapor-rectifier for high-potential circuits. No. 1,076,884; Oct. 28; Gaz. vol. 195; p. 903.
- Hayden, Joseph L. R., Schenectady, N. Y., assignor to General Electric Company. Arc-light electrode. No. 1,082,950; Dec. 30; Gaz. vol. 197; p. 1167.
- Hayden, Louis S., assignor to The Connecticut Valley Manufacturing Company, Essex, Conn. Expansion-bit. No. 1,056,670; Mar. 18; Gaz. vol. 188; p. 751.
- Hayden, William. (See Rothenberger and Hayden.)

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- Haydenville Company, The. (See Page, George M., assignor.)
- Haydon, Noah. Copper Hill, Ariz. Rail-joint. No. 1,059,155; Apr. 15; Gaz. vol. 189; p. 688.
- Hayes, Albert, Salt Lake City, Utah. Needle or stylus. No. 1,061,070; May 6; Gaz. vol. 190; p. 177.
- Hayes, Albert, Salt Lake City, Utah. Sound-box. No. 1,061,071; May 6; Gaz. vol. 190; p. 177.
- Hayes, Albert, Salt Lake City, Utah. Mounting a vibrating diaphragm. No. 1,061,072; May 6; Gaz. vol. 190; p. 177.
- Hayes, Albert, Salt Lake City, Utah, assignor to Voca-tone M'fg. Co. Inc. Sound-box. No. 1,071,667; Aug. 26; Gaz. vol. 193; p. 979.
- Hayes, Albert, Salt Lake City, Utah, assignor to Voca-tone M'fg. Co. Inc. Controlling the vibration of diaphragms. No. 1,071,668; Aug. 26; Gaz. vol. 193; p. 979.
- Hayes, Benjamin P., and A. H. Steele, Kansas City, Mo.; said Hayes assignor to said Steele. Change-maker. No. 1,069,008; July 29; Gaz. vol. 192; p. 1205.
- Hayes, Charles J. W., assignor of four-fifths to T. S. Sprague, Detroit, Mich. Automatically-closing collapsible container. No. 1,065,245; June 17; Gaz. vol. 191; p. 772.
- Hayes, Dennis, Vanport, assignor of one-half to R. P. Keeney, Bellevue, Pa. Metallic tie and rail-fastener. No. 1,060,253; Apr. 29; Gaz. vol. 189; p. 1137.
- Hayes, Floyd E. (See Pelke and Hayes.)
- Hayes, Forrest G., Sharon, Pa. Tree-sprayer. No. 1,073,852; Sept. 23; Gaz. vol. 194; p. 844.
- Hayes, Henry, Baltimore, Md. Mechanical microscope-stage. No. 1,080,968; Dec. 9; Gaz. vol. 197; p. 397.
- Hayes, John, assignor of one-fourth to J. T. Whitson, Uniontown, Pa. Coke-drawing apparatus. No. 1,079,126; Nov. 18; Gaz. vol. 196; p. 714.
- Hayes, John, Amsterdam, N. Y., assignor to Union Special Machine Company, Chicago, Ill. Sewing-machine. No. 1,080,967; Dec. 9; Gaz. vol. 197; p. 397.
- Hayes, John W., Bayle City, Ill. Hinge. No. 1,075,146; Oct. 7; Gaz. vol. 195; p. 192.
- Hayes, Julian L., Butte, Mont. Blotter-holder. No. 1,050,737; Jan. 14; Gaz. vol. 186; p. 515.
- Hayes, Michael F., New York, N. Y. Eraser. No. 1,063,443; June 3; Gaz. vol. 191; p. 92.
- Hayes, Monard V., Deport, Tex. Animal-brander. No. 1,063,539; June 3; Gaz. vol. 191; p. 124.
- Hayes, Morris C., Seattle, Wash. Weed-puller. No. 1,065,606; June 24; Gaz. vol. 191; p. 933.
- Hayes, Willison H., Toledo, Ohio. Water-tight hatch for boats. No. 1,072,611; Sept. 9; Gaz. vol. 194; p. 350.
- Hayman, Julius. (See Schneider and Hayman.)
- Haymes, Elmer R., Marshfield, Mo. Combination stock and box car. No. 1,060,981; May 6; Gaz. vol. 190; p. 146.
- Hayn, Georg, Essen-on-the-Ruhr, and N. Koch, Essen-Rellinghausen, assignors to Fried. Krupp Aktiengesellschaft, Essen-on-the-Ruhr, Germany. Automobile with pivot-gun. No. 1,079,856; Nov. 25; Gaz. vol. 196; p. 996.
- Hayne, Wilbur, Ottawa, Ill. Acetylene-gas generator. No. 1,078,046; Nov. 11; Gaz. vol. 196; p. 308.
- Haynes, Arthur L., Clyde, Kans. Carbureter. No. 1,076,827; Oct. 28; Gaz. vol. 195; p. 883.
- Haynes, Daniel and R. H., Sealy, Tex. Bat-forming apparatus. No. 1,073,681; Sept. 23; Gaz. vol. 194; p. 786.
- Haynes, Elwood, Kokomo, Ind. Metal alloy. No. 1,057,423; Apr. 1; Gaz. vol. 189; p. 11.
- Haynes, Elwood, Kokomo, Ind. Metal alloy. No. 1,057,828; Apr. 1; Gaz. vol. 189; p. 148.
- Haynes, Guy, *et al.* (See Woods, Charles G., assignor.)
- Haynes, Hobart F., Syracuse, N. Y. Tack-placer. No. 1,062,464; May 20; Gaz. vol. 190; p. 722.
- Haynes, Richard H. (See Haynes, Daniel and R. H.)
- Haynes, William B., Akron, Ohio. Gasket. No. 1,050,132; Jan. 14; Gaz. vol. 186; p. 309.
- Haynie, Brooks, assignor of one-half to J. J. Parmele, Austin, Tex. Coin-sorter. No. 1,070,601; Aug. 19; Gaz. vol. 193; p. 591.
- Hayot, Louis A., Beauvais, France. Ejector for apparatus for sustaining and propelling aeroplanes and for other uses. No. 1,069,694; Aug. 12; Gaz. vol. 193; p. 237.
- Hays, Ernest G., and S. B. Russell, Holdenville, Okla. Spring pumping-machine. No. 1,060,454; Apr. 29; Gaz. vol. 189; p. 1208.
- Hays, Frank M., *et al.* (See Stow, Eli H., assignor.)
- Hays, Franklin B. (See Dinkins and Hays.)
- Hays, Joseph W., Chicago, Ill. Gas-analyzing apparatus. No. 1,077,342; Nov. 4; Gaz. vol. 196; p. 35.
- Hays, Thomas C., Emmitsburg, Md. Escapement. No. 1,051,886; Feb. 4; Gaz. vol. 187; p. 13.
- Haysom, William R., Quincy, Mass. Device for expanding pipes, tubes, &c. No. 1,063,258; June 3; Gaz. vol. 191; p. 30.
- Haythornthwaite, John W., Nelson, England. Apparatus for coating confectionery. No. 1,063,029; May 27; Gaz. vol. 190; p. 950.
- Hayward, Clinton D. (See Watson and Hayward.)
- Hayward Company, The. (See Atkinson, Herbert S., assignor.)
- Hayward Company, The. (See Morris, Charles A., assignor.)
- Hayward, Fredrick G., New York, N. Y. Driving means for gramophones. No. 1,057,344; Mar. 25; Gaz. vol. 188; p. 1011.
- Hayward, Hubert H., Aldrich, Mo. Wrench. No. 1,077,343; Nov. 4; Gaz. vol. 196; p. 36.
- Hayward, William, Wenatchee, Wash. Silo-doors and fastening means therefor. No. 1,054,292; Feb. 25; Gaz. vol. 187; p. 947.
- Haywood, A. G., *et al.* (See Cagle, Carter M., assignor.)
- Haywood, Grace, *et al.* (See Cagle, Carter M., assignor.)
- Hayworth, David M., and E. V. Putnam, Chicago, Ill. Cuspidor. No. 1,075,287; Oct. 7; Gaz. vol. 195; p. 243.
- Hazard, Charles B., near Xenia, Ohio. Harvesting-machine. No. 1,051,579; Jan. 28; Gaz. vol. 186; p. 874.
- Hazard, Charles B., Xenia, Ohio. Harvester. No. 1,051,839; Jan. 28; Gaz. vol. 186; p. 958.
- Hazard, Harry C., Baltimore, Md. Adjustable loop attachment. No. 1,081,609; Dec. 16; Gaz. vol. 197; p. 646.
- Hazard, Harry C., Baltimore, Md. Adjustable fastening device. No. 1,081,610; Dec. 16; Gaz. vol. 197; p. 646.
- Hazard, Harry C., Baltimore, Md. Adjustable connection for garments and the like. No. 1,081,611; Dec. 16; Gaz. vol. 197; p. 647.
- Hazard, Samuel B., Peoria, Ill. Truck for agricultural implements. No. 1,059,362; Apr. 22; Gaz. vol. 189; p. 795.
- Hazel, George W., Camden, N. J., assignor to American Addressabak Company. Manifold device for addressing envelopes. No. 1,068,768; July 29; Gaz. vol. 192; p. 1122.
- Hazeley, James R. (See Krespach and Hazeley.)
- Hazeltine, Harry H., Seattle, Wash. Detachable shoe-heel. No. 1,066,812; July 8; Gaz. vol. 192; p. 346.
- Hazeltine, Harry H., Seattle, Wash., assignor to Chango Locko Heel Company. Detachable heel for shoes. No. 1,052,441; Feb. 4; Gaz. vol. 187; p. 204.
- Hazeltin, John T., Somerville, N. J. Gaseous-fuel mixer. No. 1,079,338; Nov. 25; Gaz. vol. 196; p. 817.
- Hazlett, Merritt W., Treadwell, N. Y. Lamp-bracket. No. 1,077,531; Nov. 4; Gaz. vol. 196; p. 103.
- Hazzard, John A., and A. B. Jones, Cambridge, Mass. Collapsible wardrobe. No. 1,081,112; Dec. 9; Gaz. vol. 197; p. 441.
- Heacock, Benjamin L., assignor to The Schultz Underwear Company, Reading, Pa. Undergarment. No. 1,062,398; May 20; Gaz. vol. 190; p. 701.
- Head, Carlos S., Orange, Cal. Burglar-alarm. No. 1,082,325; Dec. 23; Gaz. vol. 197; p. 919.
- Head, Carlos S., Orange, assignor of one-fourth to W. A. Zimmerman and one-fourth to C. E. Lamme, Santa Ana, Cal. Fruit-grader. No. 1,057,829; Apr. 1; Gaz. vol. 189; p. 148.
- Headley, Charles, Parkersburg, W. Va. Curtain-fixture. No. 1,055,976; Mar. 11; Gaz. vol. 188; p. 480.
- Headley, Frederick H., Edgbaston, Birmingham, England. Spring-mounting for go-carts. No. 1,081,269; Dec. 9; Gaz. vol. 197; p. 495.
- Headley Good Roads Company. (See Headley, William T., assignor.)
- Headley, William T., Philadelphia, Pa., assignor to Headley Good Roads Company. Wilmington, Del. Road planer and leveler. No. 1,055,529; Mar. 11; Gaz. vol. 188; p. 330.
- Heald, George N. (See O'Brien and Heald.)
- Heald, James N., assignor to The Heald Machine Company, Worcester, Mass. Process and apparatus for grinding the center opening of gear-wheels. No. 1,058,237; Apr. 8; Gaz. vol. 189; p. 333.
- Heald Machine Company, The. (See Heald, James N., assignor.)
- Heald, Margaret L., executrix. (See Brown, Eugene H.)
- Healey & Co. (See Douglas, William H., assignor.)
- Healy, Christopher J., New York, assignor of three-eighths to C. Brueckner, Brooklyn, N. Y., and one-fourth to J. Hamilton, East Orange, N. J. Thin leaflike sheet and making the same. No. 1,051,953; Feb. 4; Gaz. vol. 187; p. 37.
- Healy, John S., Brooklyn, N. Y., assignor, by mesne assignments, to The Autoplate Company of America, Jersey City, N. J. Cooling device for stereotype-printing-plate-casting apparatus. No. 1,049,477; Jan. 7; Gaz. vol. 186; p. 53.
- Healy, Philip J., East St. Louis, Ill. Attachment for box-nailing machines. No. 1,080,060; Dec. 2; Gaz. vol. 197; p. 49.
- Healy, Raymond, Brooklyn, N. Y. Ankle-supporting shoe. No. 1,064,479; June 10; Gaz. vol. 191; p. 484.
- Healy, William D. (See Sprung, Edmund, assignor.)
- Healy, William P. (See Mead, Howard G., assignor.)
- Healy, William P. (See Miller, Julius J., assignor.)
- Heaney, Bernard J. (See O'Reilly, John S., assignor.)
- Heany, John A., Washington, D. C. Timer for electric welding-machines. No. 1,050,827; Jan. 21; Gaz. vol. 186; p. 582.
- Heany, John A., Washington, D. C. Electric welding. No. 1,061,375; May 13; Gaz. vol. 190; p. 312.
- Heany, John A., Washington, D. C. Electrode for electric welding-machines. No. 1,061,376; May 13; Gaz. vol. 190; p. 313.
- Heany, John A., Washington, D. C. Electric welding system. No. 1,061,377; May 13; Gaz. vol. 190; p. 313.

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- Heany, John A., Washington, D. C. Electric welding-machine. No. 1,061,378; May 13; Gaz. vol. 190; p. 313.
- Heany, John A., Washington, D. C. Insulating electrical conductors. No. 1,071,676; Aug. 26; Gaz. vol. 193; p. 981.
- Heany, John A., Washington, D. C. Internal-combustion-engine tool. No. 1,076,283; Oct. 21; Gaz. vol. 195; p. 637.
- Heany, John A., Washington, D. C. Electrical welding apparatus. No. 1,078,675; Nov. 18; Gaz. vol. 196; p. 556.
- Heap, Benjamin, Clifton Junction, near Manchester, England, assignor to The Electric Storage Battery Company, Philadelphia, Pa. Treating wood for use in electric storage batteries. No. 1,051,580; Jan. 28; Gaz. vol. 186; p. 874.
- Heap, Benjamin, Clifton Junction, near Manchester, England, assignor to The Electric Storage Battery Company, Philadelphia, Pa. Treated wood for use in electric storage batteries. No. 1,073,417; Sept. 16; Gaz. vol. 194; p. 673.
- Heap & Sons, William. (See Heap, William, assignor.)
- Heap, William, assignor to W. Heap & Sons, Grand Haven, Mich. Valve-operating mechanism. No. 1,063,444; June 3; Gaz. vol. 191; p. 92.
- Heap, William L., assignor to W. Heap & Sons, Grand Haven, Mich. Closet-flushing mechanism. No. 1,063,445; June 3; Gaz. vol. 191; p. 92.
- Heard, Albert, *et al.* (See Jones, Albert M., assignor.)
- Heard, Eugene N., Oakland, Cal. Automatic-piano accenting device. No. 1,070,464; Aug. 19; Gaz. vol. 193; p. 544.
- Heard, Henry, Union Point, Ga. Harvesting-sack supporter. No. 1,082,695; Dec. 30; Gaz. vol. 197; p. 1079.
- Heard, William H., London, Ontario, Canada. Safety-clutch for power-driven pumps. No. 1,064,322; June 10; Gaz. vol. 191; p. 429.
- Hearing, Edward, assignor of one-half to T. R. Moore, Kellogg, Idaho. Vacuum-creator. No. 1,067,653; July 15; Gaz. vol. 192; p. 669.
- Hearn, Martin T., East Palatka, Fla. Railway-switch. No. 1,052,248; Feb. 4; Gaz. vol. 187; p. 140.
- Hearn, Walter A., Baltimore, Md. Vacuum-pump. No. 1,057,959; Apr. 1; Gaz. vol. 189; p. 192.
- Heath, Alfred C. (See Heath, George W., assignor.)
- Heath, Cotto L., Washington, D. C. Apparatus for generating gas. No. 1,058,428; Apr. 8; Gaz. vol. 189; p. 401.
- Heath, Forrest A., Jersey City, N. J., assignor, by mesne assignments, to Homo Company of America, Philadelphia, Pa. Charge-mixing device for gas-engines. No. 1,051,369; Jan. 21; Gaz. vol. 186; p. 768.
- Heath, Forrest A., Jersey City, N. J., assignor, by mesne assignments, to Homo Company of America, Philadelphia, Pa. Mixing device for gases. No. 1,076,634; Oct. 21; Gaz. vol. 195; p. 763.
- Heath, Frank, San Diego, Cal. Circuit-breaker. No. 1,054,115; Feb. 25; Gaz. vol. 187; p. 888.
- Heath, George W., Stonington, Conn. Poultry-feeder. No. 1,078,853; Nov. 18; Gaz. vol. 196; p. 620.
- Heath, George W., assignor of one-half to A. C. Heath, Newark, N. J. Fountain-pen. No. 1,056,539; Mar. 18; Gaz. vol. 188; p. 708.
- Heath, Harry C., San Francisco, Cal. Chain-casing for automobiles. No. 1,074,947; Oct. 7; Gaz. vol. 195; p. 122.
- Heath, Spencer, Washington, D. C. Propeller. No. 1,081,612; Dec. 16; Gaz. vol. 197; p. 647.
- Heath, William R. (See Tallmadge, Charles H., assignor.)
- Heathcock, Maria F., Princeton, Ill. Mail-bag catcher and deliverer. No. 1,050,651; Jan. 14; Gaz. vol. 186; p. 488.
- Heathcock, Maria F., Princeton, Ill. Skirt-adjusting device. No. 1,071,414; Aug. 26; Gaz. vol. 193; p. 896.
- Heaton, Cary S., *et al.* (See Skeen, Samuel T., assignor.)
- Heaton Manufacturing Company. (See Owsley, Paul O., assignor.)
- Heaton-Peninsular Button Fastener Company. (See Morgan, Edward D., assignor.)
- Heaton Peninsular Button Fastener Company. (See Perkins, George W., assignor.)
- Hebbard, James, Broken Hill, New South Wales, Australia, assignor to Minerals Separation Limited, London, England. Apparatus for ore concentration. No. 1,064,209; June 10; Gaz. vol. 191; p. 391.
- Hebden, Frank S., Peoria, Ill. Scale. No. 1,073,072; Sept. 9; Gaz. vol. 194; p. 515.
- Hebden, John C., Providence, R. I. Jack-spool. No. 1,062,005; May 20; Gaz. vol. 190; p. 567.
- Hebden, John C., Providence, R. I., and F. H. Daniell, deceased, Franklin, N. H.; M. B. Daniell, executrix. Dyeing apparatus. No. 1,052,817; Feb. 11; Gaz. vol. 187; p. 365.
- Heberer, Conrad. (See Hansen and Heberer.)
- Heberlein, Ferdinand. (See Huntington and Heberlein.)
- Heberling, John, Rochester, N. Y. Rope-tie. No. 1,069,135; Aug. 5; Gaz. vol. 193; p. 16.
- Heberling, John, Rochester, N. Y. Animal-trap. No. 1,075,034; Oct. 7; Gaz. vol. 195; p. 153.
- Hebert, Alex J., Traverse City, Mich. Automatic indicating-buoy. No. 1,070,253; Aug. 12; Gaz. vol. 193; p. 430.
- Hebig, Henry C., assignor, by mesne assignments, to C. D. Simons, Jr., and H. von L. Meyer, New York, N. Y. Tobacco-stemming machine. No. 1,073,853; Sept. 23; Gaz. vol. 194; p. 844.
- Hecheimer, Herbert, Chicago, Ill. Ice-making apparatus. No. 1,070,465; Aug. 19; Gaz. vol. 193; p. 545.
- Hechinger, Simon, Nuremberg, Germany. Collapsible trick-box. No. 1,079,762; Nov. 25; Gaz. vol. 196; p. 964.
- Hechler, Valentine, III, Richmond, Va. Switch apparatus. No. 1,050,133; Jan. 14; Gaz. vol. 186; p. 309.
- Hecht, Leopold. (See Bosch, Mittasch, and Hecht.)
- Heckel, Otto A., St. Louis, Mo. Paving-block. No. 1,074,717; Oct. 7; Gaz. vol. 195; p. 45.
- Heckel, Otto A., C. M. Kachel, W. F. Goessling, and H. E. Pauk, St. Louis, Mo., assignors to Clothmeter Manufacturing Company. Cloth measuring and rewinding machine. No. 1,074,621; Oct. 7; Gaz. vol. 195; p. 11.
- Hecla-Winslow Company. (See Stilling, William J., assignor.)
- Hedberg, Jakob A., Gottenborg, Sweden. Blind, roller-blind, and the like. No. 1,073,418; Sept. 16; Gaz. vol. 194; p. 673.
- Hedberg, Jakob A., and F. O. Svensson, Gottenborg, Sweden; said Svensson assignor to said Hedberg. Adjusting device for window-blinds. No. 1,055,038; Mar. 4; Gaz. vol. 188; p. 131.
- Hedden, James W., Sedalla, Mo. Step-mold. No. 1,068,584; July 29; Gaz. vol. 192; p. 1058.
- Hedden, Frank W., Jersey City, N. J. Pipe-vice. No. 1,081,279; Dec. 9; Gaz. vol. 197; p. 498.
- Hedgcock, William C., Louisville, Ky. Lubricator for air-cylinders of locomotive-air-brake pumps. No. 1,049,478; Jan. 7; Gaz. vol. 186; p. 54.
- Hedgcock, William C., St. Louis, Mo. Six-wheel truck. No. 1,070,466; Aug. 19; Gaz. vol. 193; p. 545.
- Hedges, Howard H., Butte, Mont. Safety-catch. No. 1,059,991; Apr. 29; Gaz. vol. 189; p. 1048.
- Hedges, James E., assignor of one-tenth to J. A. Chalkley and one-tenth to H. L. Chalkley, Winterpock, Va. Vehicle-axle. No. 1,053,810; Feb. 18; Gaz. vol. 187; p. 748.
- Hedges, John C., Des Moines, Iowa. Loose-sheet holder. No. 1,049,479; Jan. 7; Gaz. vol. 186; p. 54.
- Hedges, Robert L., and A. M. Branch, St. Louis, Mo. Protective cover for base-ball-playing fields and the like. No. 1,063,198; June 3; Gaz. vol. 191; p. 10.
- Hedges, Robert L., and A. M. Branch, St. Louis, Mo. Protective cover for base-ball-playing fields and the like. No. 1,063,199; June 3; Gaz. vol. 191; p. 11.
- Hedley, Frank, Yonkers, and J. S. Doyle, Mount Vernon, N. Y. Electric-heating system for cars. No. 1,054,766; Mar. 4; Gaz. vol. 188; p. 39.
- Hedley, Frank, Yonkers, and J. S. Doyle, Mount Vernon, N. Y. Electric-railway-car-heating system. No. 1,054,767; Mar. 4; Gaz. vol. 188; p. 39.
- Hedley, Frank, Yonkers, and J. S. Doyle, New York, N. Y. Car seat and door arrangement. No. 1,074,862; Oct. 7; Gaz. vol. 195; p. 92.
- Hedley, Frank, Yonkers, and J. S. Doyle, Mount Vernon, N. Y. Combined conductor's valve and emergency switch. No. 1,082,951; Dec. 30; Gaz. vol. 197; p. 1168.
- Hedman, Erik G., Stockholm, Sweden. Automatic weighing apparatus. (Reissue.) No. 13,609; Aug. 26; Gaz. vol. 193; p. 982.
- Hedrick, Burl V., Mill Creek, N. C. Belt-clamping device. No. 1,049,855; Jan. 7; Gaz. vol. 186; p. 183.
- Hedrick, George N., Danese, W. Va. Support for washing-machines. No. 1,051,107; Jan. 21; Gaz. vol. 186; p. 681.
- Hedrick, Henry J., Kansas City, Kans. Mail-bag receiving and delivering apparatus. No. 1,081,908; Dec. 16; Gaz. vol. 197; p. 745.
- Hedrick, Perry L., El Centro, Cal. Flume-gate. No. 1,062,778; May 27; Gaz. vol. 190; p. 866.
- Hedstrom, John P., Big Rapids, Mich. Automatic feed device for lap-grinding machines. No. 1,053,388; Feb. 18; Gaz. vol. 187; p. 605.
- Hedstrom, John P., Big Rapids, Mich. Wheel-adjusting device for lap-grinding machines. No. 1,053,389; Feb. 18; Gaz. vol. 187; p. 605.
- Hedstrom, John P., Big Rapids, Mich. Carriage-return mechanism for gang-saw sharpeners. No. 1,060,753; May 6; Gaz. vol. 190; p. 66.
- Hedstrom, John P., Big Rapids, Mich. Feed adjustment for hand-saw grinders. No. 1,082,633; Dec. 30; Gaz. vol. 197; p. 1058.
- Heeney, Henry J., Boston, assignor to Holtzer-Cabot Electric Company, Brookline, Mass. Annunciator. No. 1,065,683; June 24; Gaz. vol. 191; p. 959.
- Heerwagen Company. (See Schwertner, Joseph, assignor.) (Reissue.)
- Heess, Albert. (See Daimler and Heess.)
- Heeter, Charles M., Butler, Pa. Fishing-tool. No. 1,051,225; Jan. 21; Gaz. vol. 186; p. 719.
- Heeter, Charles M., Butler, Pa. Rope-socket. No. 1,051,226; Jan. 21; Gaz. vol. 186; p. 719.

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- Heeter, Frank W., and P. Kline, Racine, Wis. Hinge. No. 1,057,960; Apr. 1; Gaz. vol. 189; p. 192.
- Hefley, Robert A., assignor of one-half to A. T. Hart, Denver, Colo. Gong-actuating mechanism for electric cars. No. 1,065,804; June 24; Gaz. vol. 191; p. 999.
- Heffner, William F., Benton Harbor, Mich. Filing-cabinet. No. 1,079,173; Nov. 18; Gaz. vol. 196; p. 731.
- Hefner, Matthew W., *et al.* (See Buckhannon, William, assignor.)
- Hefter, Louis. (See Rous, Bernard, assignor.)
- Hegardt, Axel E., Philadelphia, Pa. Flexible rule. No. 1,079,983; Dec. 2; Gaz. vol. 197; p. 22.
- Hegel, Rose A., Los Angeles, Cal. Coasting device. No. 1,052,722; Feb. 11; Gaz. vol. 187; p. 330.
- Hegeler, Herman. (See Hegeler, Julius W. and H.)
- Hegeler, Julius W. and H., Danville, Ill. System for utilizing waste heat from furnaces for heating boilers. No. 1,050,134; Jan. 14; Gaz. vol. 186; p. 310.
- Heggelsen, Ole O. (See Gandy and Heggelsen.)
- Heggen, Anfin S., Madison, Wis. Traction-frame. No. 1,070,467; Aug. 19; Gaz. vol. 193; p. 545.
- Hegwer, Herman J., Oakland, Cal. Automatic advertising-machine. No. 1,049,356; Jan. 7; Gaz. vol. 186; p. 13.
- Hehn, August. (See Bischof and Hehn.)
- Heidecke, Reinhold, assignor to Voigtlaender & Sohn, Aktiengesellschaft, Brunswick, Germany. Shutter-operating mechanism for photographic cameras. No. 1,075,101; Oct. 7; Gaz. vol. 195; p. 176.
- Heidel, Charles J., Cincinnati, Ohio. Loose-leaf binder. No. 1,071,415; Aug. 26; Gaz. vol. 193; p. 896.
- Heidelbach, Frederick W., Coeur d'Alene, Idaho. Fireless hover. No. 1,070,805; Aug. 19; Gaz. vol. 193; p. 659.
- Heidelmann, Wilhelm, Brunswick, Germany. Carbureter. No. 1,063,030; May 27; Gaz. vol. 190; p. 950.
- Heidenreich, Carl. (See Blank and Heidenreich.)
- Heidenreich, Carl. (See Blank, Heidenreich, and Jansen.)
- Heidenreich, Isidor. (See Neukirchen, Peter, assignor.)
- Heidenreich, John G. L., West Melbourne, Victoria, Australia. Flour-dressing machine. No. 1,053,811; Feb. 18; Gaz. vol. 187; p. 749.
- Heider, Charley H., Wyatt, La. Printing attachment for planing-machines. No. 1,056,024; Mar. 18; Gaz. vol. 188; p. 531.
- Heider, Henry J., assignor to Heider Manufacturing Company, Carroll, Iowa. Traction-engine. No. 1,055,635; Mar. 11; Gaz. vol. 188; p. 364.
- Heider Manufacturing Company. (See Heider, Henry J., assignor.)
- Heil, Albrecht, Frankfort-on-the-Main, Germany, assignor of one-half to C. Hubert and one-half to S. Stern, New York, N. Y. Galvanic cell. No. 1,053,390; Feb. 18; Gaz. vol. 187; p. 605.
- Heil, Albrecht, Frankfort, Germany, assignor of one-half to C. Hubert and one-half to S. Stern, New York, N. Y. Galvanic cell. No. 1,053,505; Feb. 18; Gaz. vol. 187; p. 646.
- Heil, Albrecht, Frankfort-on-the-Main, Germany, assignor to C. Hubert and S. Stern, New York, N. Y. Galvanic cell. No. 1,057,830; Apr. 1; Gaz. vol. 189; p. 149.
- Heil, Albrecht, Frankfort-on-the-Main, Germany, assignor to C. Hubert and S. Stern, New York, N. Y. Galvanic cell. No. 1,064,210; June 10; Gaz. vol. 191; p. 392.
- Heil, Albrecht, Frankfort-on-the-Main, Germany, assignor to C. Hubert and S. Stern, New York, N. Y. Galvanic cell. No. 1,064,211; June 10; Gaz. vol. 191; p. 392.
- Heil, Anton H. (See Johnes, Alfred, assignor.)
- Heilbrunn, Ludwig, and F. Friese, assignors to Goldschmidt & Loewenick, Frankfort-on-the-Main, Germany. Last for binding uppers. No. 1,051,581; Jan. 28; Gaz. vol. 186; p. 874.
- Heilbrunn, Ludwig, and F. Friese, assignors to Goldschmidt & Loewenick, Frankfort-on-the-Main, Germany. Arrangement for binding uppers on the last. No. 1,051,954; Feb. 4; Gaz. vol. 187; p. 37.
- Heilbrunn, Ludwig, and F. Friese, assignors to Goldschmidt & Loewenick, Frankfort-on-the-Main, Germany. Binding uppers on the last. No. 1,051,955; Feb. 4; Gaz. vol. 187; p. 38.
- Heile, Charles D., Oak Park, and E. G. Snyder, assignors to H. McFarlane & Company, Chicago, Ill. Dump-wagon. No. 1,061,743; May 13; Gaz. vol. 190; p. 442.
- Heilig, Leopold, Glencove, N. Y. Fruit-pressing device. No. 1,058,429; Apr. 8; Gaz. vol. 189; p. 401.
- Heilman, Henry N., assignor of one-half to F. H. Hamilton, St. Louis, Mo. Currency-shipping envelop. No. 1,058,863; Apr. 15; Gaz. vol. 189; p. 587.
- Heilner, Julius E., New York, N. Y. Corset. No. 1,077,932; Nov. 4; Gaz. vol. 196; p. 237.
- Heilprin, William A., Philadelphia, Pa. Air-gun. No. 1,067,984; July 22; Gaz. vol. 192; p. 812.
- Heim, Charles, and S. Jellenik, North Tonawanda, N. Y. Rail-joint. No. 1,079,551; Nov. 25; Gaz. vol. 196; p. 888.
- Heim, Friedrich. (See Stock and Heim.)
- Heim, Lewis R., Danbury, Conn. Automatic edge-ironer for collars and cuffs. No. 1,064,644; June 10; Gaz. vol. 191; p. 538.
- Heim, Lewis R., Danbury, Conn. Combined moistener, ironer, and shaper for collars and cuffs. No. 1,069,548; Aug. 5; Gaz. vol. 193; p. 159.
- Heimbach, Alton B., Duluth, Minn. Attaching device for rubber heels. No. 1,064,212; June 10; Gaz. vol. 191; p. 392.
- Heimbaugh, Arthur M., Kenmore, Ohio. Attachment for keys. No. 1,074,359; Sept. 30; Gaz. vol. 194; p. 1043.
- Heimbuecher, Simon J., Jr., Pittsburgh, Pa. Telephone attachment. No. 1,065,805; June 24; Gaz. vol. 191; p. 999.
- Heimer, John. (See Lister and Heimer.)
- Heimer, John P. and W. A., Minneapolis, Minn. Door-operating mechanism. No. 1,057,547; Apr. 1; Gaz. vol. 189; p. 51.
- Heimer, William A. (See Heimer, John P. and W. A.)
- Heimerman, Anthony, Syracuse, N. Y. Hose-coupling. No. 1,054,842; Mar. 4; Gaz. vol. 188; p. 66.
- Heimlich, Adolph, New York, N. Y. One-piece brassière and princess-slip. No. 1,068,429; July 29; Gaz. vol. 192; p. 1005.
- Heindl, Richard, Vienna, Austria-Hungary. Hydraulic-power transformer. No. 1,072,718; Sept. 9; Gaz. vol. 194; p. 386.
- Heineke, Martin, Springfield, Ill., assignor, by mesne assignments, to The Sattley Stacker Company, Indianapolis, Ind. Straw-stacker. (Reissue.) No. 13,522; Feb. 4; Gaz. vol. 187; p. 206.
- Heinemann, Adolf, Worms, Germany. Husking kernels or seeds and obtaining products therefrom. No. 1,051,582; Jan. 28; Gaz. vol. 186; p. 875.
- Heinemeyer, Heinrich, Hildesheim, Germany. Bottle-valve. No. 1,068,052; July 22; Gaz. vol. 192; p. 836.
- Heiney, George E., Cleveland, Ohio. Wheel-runner. No. 1,066,009; July 1; Gaz. vol. 192; p. 37.
- Heiney, William M., Fort Lauderdale, Fla. Educational and amusement device. No. 1,053,598; Feb. 18; Gaz. vol. 187; p. 678.
- Heinkel, Christian F., Cleveland, Ohio. Adjusting means for cutting tools, arbors, chucks, collets, &c. No. 1,081,937; Dec. 16; Gaz. vol. 197; p. 755.
- Heinkel, Christian F., and W. G. Lueters, Cleveland, Ohio. Automatic combination tool-holder. No. 1,069,614; Aug. 5; Gaz. vol. 193; p. 180.
- Heinle, Albert W., Crafton, assignor of one-half to J. L. Horning, Mount Lebanon, Pa. Joint. No. 1,054,843; Mar. 4; Gaz. vol. 188; p. 66.
- Heinmiller, William, Chesley, Ontario, Canada. Suspenders. No. 1,073,604; Sept. 23; Gaz. vol. 194; p. 757.
- Heinrich, Georg O., Little Rock, Ark. Supplemental step for cars. No. 1,077,139; Oct. 28; Gaz. vol. 195; p. 988.
- Heinrich, Jacob, Fürth, Bavaria, assignor to Metallpapier-Bronzefarben-Blattmetallwerke Aktiengesellschaft, Munich, Germany. Apparatus for composing and decomposing metal-foil molds or forms. No. 1,062,588; May 27; Gaz. vol. 190; p. 804.
- Heinrich, Jacob, Nuremberg, assignor to Metallpapier-Bronzefarben-Blattmetallwerke Aktiengesellschaft, Munich, Germany. Apparatus for pneumatically separating sheets. No. 1,069,009; July 29; Gaz. vol. 192; p. 1205.
- Heinrich, Johannes C., Milwaukee, Wis., assignor to Heinrich Manufacturing Company. Boiler-furnace. No. 1,061,379; May 13; Gaz. vol. 190; p. 314.
- Heinrich, Karl, Ottweiler, Germany. Infant's garment. No. 1,059,992; Apr. 29; Gaz. vol. 189; p. 1048.
- Heinrich Manufacturing Company. (See Heinrich, Johannes C., assignor.)
- Heins, Otto. (See Honold and Heins.)
- Heins, Otto H. H., Edgewater, N. J. Timing device for magnetos. No. 1,056,098; Mar. 18; Gaz. vol. 188; p. 555.
- Heins, Theodore, and E. R. Galland, San Francisco, Cal. Towel-retainer. No. 1,078,501; Nov. 11; Gaz. vol. 196; p. 465.
- Heinss, Christian F., Cincinnati, Ohio. Metal-shears. No. 1,066,612; July 8; Gaz. vol. 192; p. 277.
- Heintz, James C., Cleveland, Ohio. Electrically-operated controlling mechanism. No. 1,056,671; Mar. 18; Gaz. vol. 188; p. 751.
- Heintzelman, Harvey H., Malta, Ohio. Combined centering calipers and square. No. 1,066,273; July 1; Gaz. vol. 192; p. 132.
- Heinz, Nicholas L. (See Renwick and Heinz.)
- Heinz, Nicholas L., La Salle, Ill. Manufacture of sulfuric acid. No. 1,057,149; Mar. 25; Gaz. vol. 188; p. 947.
- Heinze, John O., Jr., Detroit, Mich. Magnetic wheel. No. 1,063,259; June 3; Gaz. vol. 191; p. 30.
- Heinzmann, Clarence C., Indianapolis, Ind. Control system. No. 1,076,207; Oct. 21; Gaz. vol. 195; p. 610.
- Heirich, Carl, Cologne, Germany. Hydraulic air-compressor. No. 1,057,961; Apr. 1; Gaz. vol. 189; p. 193.
- Heisler, Charles L., Schenectady, N. Y. Locomotive sand-box. No. 1,066,274; July 1; Gaz. vol. 192; p. 132.
- Heisler, Joseph. (See McCarthy, Charles A., assignor.)
- Heisler, William W., Auburn, Wash. Flour-bin hanger. No. 1,060,087; Apr. 29; Gaz. vol. 189; p. 1079.

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- Heissenbittel, Frederick F., New York, N. Y. Advertising apparatus. No. 1,080,340; Dec. 2; Gaz. vol. 197; p. 148.
- Heissig, Paul von, assignor to F. Duncan, Vienna, Austria-Hungary. Station-indicator. No. 1,073,347; Sept. 16; Gaz. vol. 194; p. 649.
- Heitger, Frank H., Indianapolis, Ind. Carbureter. No. 1,052,917; Feb. 11; Gaz. vol. 187; p. 399.
- Heitman, Frank B., Huntingburg, Ind. Driving and steering gear. No. 1,056,672; Mar. 18; Gaz. vol. 188; p. 752.
- Heizer, Alexander L., Anderson, Ind., assignor to Vesta Accumulator Company. Ignition-magneto. No. 1,060,182; Apr. 29; Gaz. vol. 189; p. 1112.
- Heizer, Alexander L., Chicago, Ill., assignor to Vesta Accumulator Company. Ignition-magneto. No. 1,062,156; May 20; Gaz. vol. 190; p. 620.
- Helander, Axel H. (See Helander, Ernst G., assignor.)
- Helander, Ernst G., Pittsburgh, Pa., assignor of one-half to A. H. Helander, Youngstown, Ohio. Condenser. No. 1,068,430; July 29; Gaz. vol. 192; p. 1006.
- Helbig, Albin B., assignor to Fellner & Ziegler, Frankfort-on-the-Main, Germany. Method of and apparatus for treating plastic material. No. 1,049,712; Jan. 7; Gaz. vol. 186; p. 135.
- Helbronner, André. (See Henri, Helbronner, and Recklinghausen.)
- Held Company, The. (See Held, Siegfried, assignor.)
- Held, Eugen, Stuttgart, Germany. Dynamo-electric machine. No. 1,066,494; July 8; Gaz. vol. 192; p. 235.
- Held, Hans. (See Satzinger, Karl, assignor.)
- Held, Hans, Nuremberg, Germany. Treating large fermentation vessels. No. 1,076,424; Oct. 21; Gaz. vol. 195; p. 687.
- Held, Henry H., Menasha, Wis. Detachable tub-support. No. 1,058,301; Apr. 8; Gaz. vol. 189; p. 355.
- Held, Siegfried, assignor to National Air Filter Company, Chicago, Ill. Apparatus for producing ozone. No. 1,056,789; Mar. 25; Gaz. vol. 188; p. 823.
- Held, Siegfried, assignor to The Held Company, Chicago, Ill. Water-purifying apparatus. No. 1,065,246; June 17; Gaz. vol. 191; p. 772.
- Held, Siegfried, assignor to The Held Company, Chicago, Ill. Water-filter. No. 1,082,024; Dec. 23; Gaz. vol. 197; p. 815.
- Held, Siegfried, assignor to The Held Company, Chicago, Ill. Faucet. No. 1,082,154; Dec. 23; Gaz. vol. 197; p. 857.
- Helder, Ferdinand, New York, N. Y. Turn-table attachment for automobiles. No. 1,061,073; May 6; Gaz. vol. 190; p. 177.
- Heldmann, Peter, assignor to Maschinenfabrik Moenus A. G., Frankfort-on-the-Main, Germany. Machine for grinding toe-caps and the like. No. 1,060,759; May 6; Gaz. vol. 190; p. 67.
- Heldredth, L. D., et al. (See Davis, James S., assignor.)
- Heldrich, Andrew, assignor of one-half to A. H. Zifferblatt, Philadelphia, Pa. Dispensing vessel. No. 1,066,813; July 8; Gaz. vol. 192; p. 346.
- Hele-Shaw, Henry S., London, England. Hydraulic transmission apparatus. No. 1,077,980; Nov. 11; Gaz. vol. 196; p. 285.
- Hele-Shaw, Henry S., and F. L. Martineau, London, England. Pump and motor. No. 1,077,979; Nov. 11; Gaz. vol. 196; p. 285.
- Helena Manufacturing Company. (See Bonham, George W., assignor.)
- Helena Manufacturing Company, The. (See Long, Matthew T., assignor.)
- Helfenstein, Alois, Vienna, Austria-Hungary. Electric furnace. No. 1,057,239; Mar. 25; Gaz. vol. 188; p. 978.
- Helfenstein, Alois, Vienna, Austria-Hungary. Electric furnace. No. 1,069,252; Aug. 5; Gaz. vol. 193; p. 59.
- Helfenstein, Alois, Vienna, Austria-Hungary. Electric furnace. No. 1,082,195; Dec. 23; Gaz. vol. 197; p. 872.
- Helfenstein, Alois, Vienna, Austria-Hungary. Electric furnace. No. 1,082,196; Dec. 23; Gaz. vol. 197; p. 872.
- Helgeson, Martin and O., Madelia, Minn. Harvester. No. 1,057,392; Mar. 25; Gaz. vol. 188; p. 1026.
- Helgeson, Olaus. (See Helgeson, Martin and O.)
- Helin, Eero W., Jamaica, assignor of one-half to W. C. Dillman, New York, N. Y. Explosive engine. No. 1,050,456; Jan. 14; Gaz. vol. 186; p. 422.
- Heller, August H. R., Pittsburgh, Pa. Shoe-polishing machine. No. 1,076,035; Oct. 21; Gaz. vol. 195; p. 553.
- Heller, Charles S., Barberton, assignor to The Moore Architectural and Engineering Company, Akron, Ohio. Reclaiming vulcanized-rubber waste. (Reissue.) No. 13,613; Sept. 9; Gaz. vol. 194; p. 518.
- Heller, Max, assignor to Strause Gas Iron Co., Philadelphia, Pa. Self-lighting sad-iron. No. 1,050,536; Jan. 14; Gaz. vol. 186; p. 451.
- Heller & Son, L. (See Moritz, René, assignor.) (Reissue.)
- Heller, William, Westphalia, Kans. Wheel-truing device. No. 1,073,042; Sept. 9; Gaz. vol. 194; p. 503.
- Helli, Istvan, Elyria, Ohio. Collapsible bath-tub. No. 1,075,912; Oct. 14; Gaz. vol. 195; p. 482.
- Helliker, Herbert W., Oakland, Cal. Game apparatus. No. 1,064,480; June 10; Gaz. vol. 191; p. 484.
- Hellmich, George E., Seattle, Wash. Tympan-gage. No. 1,066,010; July 1; Gaz. vol. 192; p. 37.
- Hellmich, George E., Seattle, Wash. Gage-pin for printing-presses. No. 1,066,011; July 1; Gaz. vol. 192; p. 38.
- Hellmund, Rudolf E., Pittsburgh, Pa., assignor to Westinghouse Electric and Manufacturing Company. Induction-motor. No. 1,080,061; Dec. 2; Gaz. vol. 197; p. 50.
- Hellner, Peter H., Marshall, Tex. Rail-fastening. No. 1,050,457; Jan. 14; Gaz. vol. 186; p. 422.
- Hellstrom, Frank O. (See Olson, Carl M., assignor.)
- Hellstrom, Frank O. (See Olson and Hellstrom.)
- Hellstrom, Frank O., Grove, N. D. Rail-support. No. 1,054,768; Mar. 4; Gaz. vol. 188; p. 40.
- Hellstrom, Frank O., Grove, N. D. Rail-support. No. 1,061,475; May 13; Gaz. vol. 190; p. 348.
- Hellstrom, Gustaf F., Sr. and Jr., et al. (See Nordstrom, Axel R., assignor.)
- Hellstrom, Victor S., Dubois, Pa. Refrigerator. No. 1,064,828; June 17; Gaz. vol. 191; p. 636.
- Hellums, Oscar S., Dawson, Tex. Cotton-chopper. No. 1,064,645; June 10; Gaz. vol. 191; p. 538.
- Helliwig, Henry, Milwaukee, Wis., assignor to S. D. Page and Company, Des Moines, Iowa. Loose-leaf binder. No. 1,068,127; July 22; Gaz. vol. 192; p. 861.
- Hellwig, John A., Albany, N. Y. Bill-fold. No. 1,073,120; Sept. 16; Gaz. vol. 194; p. 567.
- Helm, Charles I., Phoenix, Ariz. Tree-protector. No. 1,075,255; Oct. 7; Gaz. vol. 195; p. 230.
- Helm, Chriss, Oblong, Ill. Automatic stuffing-box. No. 1,057,150; Mar. 25; Gaz. vol. 188; p. 948.
- Helm, Max, Pankow, near Berlin, Germany, assignor to J. R. Leeson, Boston, Mass. Electrical coil and winding same. No. 1,080,830; Dec. 9; Gaz. vol. 197; p. 351.
- Helman, Cahm C., Cleveland, and G. W. Nixon, Canton, Ohio. Cord holder and dispenser device. No. 1,076,885; Oct. 28; Gaz. vol. 195; p. 904.
- Helmer, Nicolas A. (See Monroe and Helmer.)
- Helmer, Robert, New York, N. Y. Filing device. No. 1,073,854; Sept. 23; Gaz. vol. 194; p. 845.
- Helmich, Daniel A., Birmingham, Ala. Apparatus for the purification and disposal of sewage. No. 1,057,642; Apr. 1; Gaz. vol. 189; p. 84.
- Helmkamp, John C. (See Blee and Helmkamp.)
- Helmond, William F., Hartford, Conn., assignor to Underwood Typewriter Company, New York, N. Y. Typewriting machine. No. 1,058,672; Apr. 8; Gaz. vol. 189; p. 482.
- Helmond, William F., Hartford, Conn., assignor to Underwood Typewriter Company, New York, N. Y. Typewriting machine. No. 1,058,971; Apr. 15; Gaz. vol. 189; p. 625.
- Helmond, William F., Hartford, Conn., assignor to Underwood Typewriter Company, New York, N. Y. Typewriting machine. No. 1,066,275; July 1; Gaz. vol. 192; p. 133.
- Helms, Harry E., Kenosha, Wis. Chuck. No. 1,075,353; Oct. 14; Gaz. vol. 195; p. 291.
- Helms, James T., Lockland, Ohio. Mechanical movement. No. 1,073,121; Sept. 16; Gaz. vol. 194; p. 567.
- Helps, George, Atherstone, England. Incandescent gas-lamp. No. 1,052,337; Feb. 4; Gaz. vol. 187; p. 167.
- Helreigel, Clarence, Pittston, Pa. Tire-clamping device. No. 1,059,870; Apr. 22; Gaz. vol. 189; p. 963.
- Helstrom, Charles G. (See Zetterstrom and Helstrom.)
- Helton, Guy R., Elmer, Mo. Mail catching and delivering device. No. 1,072,454; Sept. 9; Gaz. vol. 194; p. 296.
- Heltzel, Francis O., Erie, Pa. Rail-joint. No. 1,065,524; June 24; Gaz. vol. 191; p. 904.
- Helvig, Gilbert O., and T. Miller, Dawson, Minn. Spring-clamp. No. 1,066,495; July 8; Gaz. vol. 192; p. 235.
- Helwig, Frederick A., Chicago, Ill. Aeroplane. No. 1,054,968; Mar. 4; Gaz. vol. 188; p. 106.
- Hely, George J., Seattle, Wash. Stropping-machine. No. 1,065,247; June 17; Gaz. vol. 191; p. 772.
- Hem, Halvor O., Kansas City, Mo. Exhaust-valve for steam-engines. No. 1,050,537; Jan. 14; Gaz. vol. 186; p. 451.
- Hem, Halvor O., Kansas City, Mo. Steam-engine. No. 1,050,538; Jan. 14; Gaz. vol. 186; p. 452.
- Hemingray Glass Company. (See Hemingray and Hawk, assignors.) (Reissue.)
- Hemingray, Ralph G., and C. Hawk, assignors to Hemingray Glass Company, Muncie, Ind. Screw-press to form insulators. (Reissue.) No. 13,661; Dec. 23; Gaz. vol. 197; p. 970.
- Hemings, Frederick E., assignor to Carthage Machine Company, Carthage, N. Y. Wood-chipping machine. No. 1,064,829; June 17; Gaz. vol. 191; p. 636.
- Hemingway Furniture Company. (See Dunkelburger, Charles W., assignor.)
- Hemingway, Henry W., Hampstead, England. Treating stone and like material. No. 1,067,426; July 15; Gaz. vol. 192; p. 592.
- Hemleb, Martin. (See Diehl and Hemleb.)
- Hemleb, Martin, Elizabeth, N. J., assignor to The Singer Manufacturing Company. Blindstitching-machine. No. 1,069,010; July 29; Gaz. vol. 192; p. 1206.
- Hemmenway, Eugene S., Boston, Mass. Wave-motor. No. 1,082,746; Dec. 30; Gaz. vol. 197; p. 1097.

Alphabetical list of patentees—Continued.

- Hemming, Daniel, New Haven, Conn., assignor to The New York Cigarette Machine Company, New York, N. Y. Cigarette-rod-severing device. No. 1,066,012; July 1; Gaz. vol. 192; p. 38.
- Hemming, Daniel, New Haven, Conn., assignor to The New York Cigarette Machine Company, New York, N. Y. Machine for pasting the seams of cigarettes and the like. No. 1,066,109; July 1; Gaz. vol. 192; p. 72.
- Hemming, Otto L., assignor, by mesne assignments, to The F. B. Shuster Co., New Haven, Conn. Riveting-machine. No. 1,054,544; Feb. 25; Gaz. vol. 187; p. 1035.
- Hempel, Albert, Leipzig-Oetzsch, Germany. Making oxalates. No. 1,070,806; Aug. 19; Gaz. vol. 193; p. 660.
- Hempel, Paul, Parkston, S. D. Delivery apparatus. No. 1,067,112; July 8; Gaz. vol. 192; p. 447.
- Hempelmann, Frederick W., Cincinnati, Ohio. Winding mechanism. No. 1,055,276; Mar. 4; Gaz. vol. 188; p. 206.
- Hemphill, Robert H., Port St. Joe, Fla. Merry-go-round. No. 1,049,480; Jan. 7; Gaz. vol. 186; p. 54.
- Hempstead, Beall, New York, N. Y. Safety-gun. No. 1,063,921; June 3; Gaz. vol. 191; p. 257.
- Hemstreet, John V., Herkimer, N. Y. Card-file. No. 1,051,108; Jan. 21; Gaz. vol. 186; p. 682.
- Hence, Vincent, Chicago, Ill. Bed-spring. No. 1,055,277; Mar. 4; Gaz. vol. 188; p. 207.
- Henderson, Albert H., assignor to The Henderson Rubber Company, Baltimore, Md. Treating rawhide and the product resulting therefrom. No. 1,074,360; Sept. 30; Gaz. vol. 194; p. 1043.
- Henderson, Arthur J. (See Phillips and Folkedal, assignors.)
- Henderson, Carl, Oak Park, Ill., assignor to Miehle Printing Press and Mfg. Co., Chicago, Ill. Sheet-delivery apparatus. No. 1,078,351; Nov. 11; Gaz. vol. 196; p. 415.
- Henderson, Charles F., Madisonville, assignor to The Kemper-Thomas Company, Norwood, Ohio. Telephone-directory. No. 1,052,582; Feb. 11; Gaz. vol. 187; p. 284.
- Henderson, Clarence E. (See Hubler and Henderson.)
- Henderson, Clark T., assignor to The Cutler-Hammer Mfg. Co., Milwaukee, Wis. Motor-controller. No. 1,057,962; Apr. 1; Gaz. vol. 189; p. 193.
- Henderson, Clark T., assignor to The Cutler-Hammer Mfg. Co., Milwaukee, Wis. Controller for electric motors. No. 1,062,096; May 20; Gaz. vol. 190; p. 599.
- Henderson, Clark T., assignor to The Cutler-Hammer Mfg. Co., Milwaukee, Wis. Motor-controller. No. 1,062,589; May 27; Gaz. vol. 190; p. 804.
- Henderson, Clark T., assignor to The Cutler-Hammer Mfg. Co., Milwaukee, Wis. Motor-controller. No. 1,062,590; May 27; Gaz. vol. 190; p. 805.
- Henderson, Edward K. (See Ray and Henderson.)
- Henderson, George M., Chicago, Ill. Tool-holder. No. 1,076,117; Oct. 21; Gaz. vol. 195; p. 582.
- Henderson, George P., and J. F. Parrott, Portland, Oreg. Vehicle. No. 1,058,864; Apr. 15; Gaz. vol. 189; p. 587.
- Henderson, George R. (See Vaucelain, Linton, and Henderson.)
- Henderson, George R., assignor to The Baldwin Locomotive Works, Philadelphia, Pa. Car-truck. No. 1,059,295; Apr. 15; Gaz. vol. 189; p. 736.
- Henderson, George R., assignor to The Baldwin Locomotive Works, Philadelphia, Pa. Rack-tender for locomotives. No. 1,063,879; June 3; Gaz. vol. 191; p. 242.
- Henderson, George W. and O. Ridge Farm, Ill. Corn-husking machine. No. 1,071,416; Aug. 26; Gaz. vol. 193; p. 896.
- Henderson, James N., Saskatoon, Saskatchewan, Canada. Attachment to steel brakes. No. 1,050,274; Jan. 14; Gaz. vol. 186; p. 358.
- Henderson, James R., *et al.* (See Dewees, Benjamin F., assignor.)
- Henderson, John C., San Francisco, Cal. Combined motor and air-pump. No. 1,053,991; Feb. 25; Gaz. vol. 187; p. 847.
- Henderson, John H. (See Booker, James, assignor.)
- Henderson, John H., East Oakland, Cal. Wave-motor. No. 1,072,682; Sept. 23; Gaz. vol. 194; p. 786.
- Henderson, Jonathan R., London, England. Preserving fresh fish. No. 1,055,636; Mar. 11; Gaz. vol. 188; p. 365.
- Henderson, Julius, Jonesboro, Ark. Locomotive reversing-valve gear. No. 1,074,548; Sept. 30; Gaz. vol. 194; p. 1103.
- Henderson, Lewis S., Blairs, S. C. Carriage-top. No. 1,080,147; Dec. 2; Gaz. vol. 197; p. 81.
- Henderson, Mark M., Norwalk, Conn. Union suit. No. 1,070,340; Aug. 12; Gaz. vol. 193; p. 460.
- Henderson, Matthew, Toronto, Ontario, Canada. Injector. No. 1,059,669; Apr. 22; Gaz. vol. 189; p. 899.
- Henderson, Olen. (See Henderson, George W. and O.)
- Henderson, Robert, New York, N. Y. Window. No. 1,054,116; Feb. 25; Gaz. vol. 187; p. 888.
- Henderson, Robert H., East Orange, N. J., assignor to Westinghouse Lamp Company. Incandescent lamp. No. 1,075,475; Oct. 14; Gaz. vol. 195; p. 334.
- Henderson Rubber Company, The. (See Henderson, Albert H., assignor.)
- Henderson, Ulysses S., and A. F. Schramm, assignors to The E. M. Hulse Company, Columbus, Ohio. Sofa or davenport bed. No. 1,073,050; Sept. 23; Gaz. vol. 194; p. 911.
- Henderson, William H., Omaha, Nebr. Needle. No. 1,054,117; Feb. 25; Gaz. vol. 187; p. 889.
- Henderson, William P., *et al.* (See Tibbs, Angus, assignor.)
- Hendon, Aaron, assignor to Hendon & Rappaport, New York, N. Y. Display device. No. 1,080,831; Dec. 9; Gaz. vol. 197; p. 351.
- Hendon & Rappaport. (See Hendon, Aaron, assignor.)
- Hendren, Isaac S., Harrodsburg, Ky. Measuring instrument. No. 1,052,054; Feb. 4; Gaz. vol. 187; p. 73.
- Hendren, Walter S., Nicholasville, Ky. Toy. No. 1,053,170; Feb. 18; Gaz. vol. 187; p. 529.
- Hendrick, Foscolo O., East Orange, assignor of one-half to W. Childs, Jr., Bernardsville, N. J. Roller-towel cabinet. No. 1,050,539; Jan. 14; Gaz. vol. 186; p. 452.
- Hendricks, Adam C., Hagerstown, Md. Sash-lock. No. 1,058,584; Apr. 8; Gaz. vol. 189; p. 452.
- Hendricks, Fred, Lodi, Cal. Petroleum-burner. No. 1,063,126; May 27; Gaz. vol. 190; p. 981.
- Hendricks, James S., Colville, Wash. Bed-rail fastener. No. 1,079,409; Nov. 25; Gaz. vol. 196; p. 840.
- Hendricks, Joseph A. (See Hamilton and Hendricks.)
- Hendricks, Thomas B., Twin Falls, Idaho. Grubber. No. 1,072,455; Sept. 9; Gaz. vol. 194; p. 296.
- Hendrickson, Fred K., assignor, by mesne assignments, to Reed-Prentice Company, Worcester, Mass. Machine for turning multiple-diameter shafts. No. 1,050,828; Jan. 21; Gaz. vol. 186; p. 582.
- Hendrickson, Paul H., Irma, Wis. Car-stake. No. 1,068,339; July 22; Gaz. vol. 192; p. 936.
- Hendrix, George H., *et al.* (See Carpenter, Hezekiah, assignor.)
- Hendry, Alexander and M. A., Bridgeton, Glasgow, Scotland. Driving-belt. No. 1,080,443; Dec. 2; Gaz. vol. 197; p. 185.
- Hendry, Arleigh C., Harpersfield, N. Y. Dirigible headlight. No. 1,081,113; Dec. 9; Gaz. vol. 197; p. 441.
- Hendry, John, Lawrence, assignor to Draper Company, Hopedale, Mass. Feeler-motion for looms. No. 1,081,909; Dec. 16; Gaz. vol. 197; p. 745.
- Hendry, Malcolm A. (See Hendry, Alexander and M. A.)
- Hendryx Cyanide Machinery Company. (See Hendryx, Wilbur A., assignor.)
- Hendryx, Wilbur A., New York, N. Y. Dewatering device or means for separating solids and liquids. No. 1,071,917; Sept. 2; Gaz. vol. 194; p. 85.
- Hendryx, Wilbur A., assignor to Hendryx Cyanide Machinery Company, New York, N. Y. Classifier or separator. No. 1,053,171; Feb. 18; Gaz. vol. 187; p. 530.
- Hendryx, Wilbur A., assignor to Hendryx Cyanide Machinery Company, New York, N. Y. Dewatering device. No. 1,053,172; Feb. 18; Gaz. vol. 187; p. 530.
- Hendschuch, Eugène, Paris, France. Apparatus for the manufacture of artificial flowers and foliage. No. 1,049,857; Jan. 7; Gaz. vol. 186; p. 183.
- Henebergh, John A., Kansas City, Kans. Bacon or ham sacking machine. No. 1,069,253; Aug. 5; Gaz. vol. 193; p. 59.
- Henefield, Edward I. (See Henefield, John B. and E. I.)
- Henefield, John B. and E. I., San Antonio, Tex. Two-row cotton and corn planter. No. 1,078,282; Nov. 11; Gaz. vol. 196; p. 389.
- Henehan, Martin J., Seattle, Wash. Railway tongue-switch. No. 1,060,182; Apr. 29; Gaz. vol. 189; p. 1112.
- Henehan, Martin J., Seattle, Wash. Track-switch. No. 1,076,982; Oct. 28; Gaz. vol. 195; p. 938.
- Heninger, David G., Burkes Garden, Va. Support for crockery and other articles. No. 1,049,856; Jan. 7; Gaz. vol. 186; p. 183.
- Henke, Arthur F. (See Bachmann and Henke.)
- Henkel & Cie. (See Henkel and Weber, assignors.)
- Henkel, George H., assignor of one-half to F. G. Franklin, Nashville, Tenn. Window-cleaning device. No. 1,065,525; June 24; Gaz. vol. 191; p. 905.
- Henkel, Hugo, and W. Weber, assignors to Firm of Henkel & Cie., Dusseldorf, Germany. Electrolytic apparatus. No. 1,074,549; Sept. 30; Gaz. vol. 194; p. 1103.
- Henley, Harry F., Richmond, Ind. Coaster-vehicle. No. 1,070,468; Aug. 19; Gaz. vol. 193; p. 546.
- Henley, S. M., *et al.* (See Waite, William T., assignor.)
- Henley, William T. (See Desmond and Henley.)
- Henn, Edwin C., Cleveland, Ohio. Spark-plug. No. 1,073,043; Sept. 9; Gaz. vol. 194; p. 503.
- Henn, Walter P., Chicago, Ill. Undertaker's fixture. No. 1,065,364; June 24; Gaz. vol. 191; p. 850.
- Henn, William A., Evansville, Ind. Seat-operated mechanism. No. 1,052,055; Feb. 4; Gaz. vol. 187; p. 73.
- Henne, George C., New Columbia, Ill. Ironing-table. No. 1,073,122; Sept. 16; Gaz. vol. 194; p. 568.
- Henne, Robert F., Mamaroneck, N. Y. Trolley-head. No. 1,050,652; Jan. 14; Gaz. vol. 186; p. 488.

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- Hennefer Maschinenfabrik C. Reuther & Reisert mit beschränkter Haftung. (See Reisert, Michael E., assignor.)
- Hennes, Isaac N., Moclips, Wash. Mining apparatus. No. 1,054,410; Feb. 25; Gaz. vol. 187; p. 990.
- Hennessee, Claude, Macon, Ga. Guano-distributor. No. 1,068,340; July 22; Gaz. vol. 192; p. 936.
- Hennessee, Claude, Macon, Ga. Distributing apparatus. No. 1,076,673; Oct. 28; Gaz. vol. 195; p. 828.
- Hennessey, Albert L., Dunbar, Pa. Window-shade bracket. No. 1,082,591; Dec. 30; Gaz. vol. 197; p. 1042.
- Hennessey, Jerome H., Washington, D. C. Inking-roller and making same. No. 1,079,339; Nov. 25; Gaz. vol. 196; p. 817.
- Hennessy, Alice L. (See Mallory, William H., assignor.)
- Hennessy, Austin, London, England. Hood for vehicles. No. 1,064,969; June 17; Gaz. vol. 191; p. 682.
- Hennessy, Patrick A., Belvidere, N. J. Concrete mixer and conveyer. No. 1,065,607; June 24; Gaz. vol. 191; p. 933.
- Hennessy, Patrick A., Belvidere, N. J. Concrete mixer and conveyer. No. 1,065,608; June 24; Gaz. vol. 191; p. 933.
- Hennessy, Thomas B., Chicago, Ill. Canopy for mortuary purposes. No. 1,049,858; Jan. 7; Gaz. vol. 186; p. 184.
- Hennig, Gustav K., Wahren, assignor to Firm of Ludwig Hupfeld Aktiengesellschaft, Leipzig, Germany. Mechanically-operated musical string instrument. No. 1,079,046; Nov. 18; Gaz. vol. 196; p. 687.
- Hennig, Paul, New York, N. Y. Gyroscope steering-gear. No. 1,077,344; Nov. 4; Gaz. vol. 196; p. 36.
- Henning, Albert W., Newark, N. J. Jewelry. No. 1,069,254; Aug. 5; Gaz. vol. 193; p. 59.
- Henning, Chester E., Rudolph, Ohio. Gas-engine starter. No. 1,080,689; Dec. 9; Gaz. vol. 197; p. 298.
- Henning, Fred, Austin, Ill. Level. No. 1,066,013; July 1; Gaz. vol. 192; p. 38.
- Henning, George W., San Jose, Cal. Voting-machine. No. 1,080,444; Dec. 2; Gaz. vol. 197; p. 185.
- Henri, Julian, Salida, Colo. Despatcher's train-controlling device. No. 1,055,530; Mar. 11; Gaz. vol. 188; p. 330.
- Henri, Victor, A. Helbronner, and M. von Recklinghausen, Paris, France. Apparatus for sterilizing liquids by means of ultra-violet rays. No. 1,052,818; Feb. 11; Gaz. vol. 187; p. 365.
- Henri, Victor, A. Helbronner, and M. von Recklinghausen, Paris, France. Apparatus for treating liquids by means of ultra-violet rays. No. 1,068,898; July 29; Gaz. vol. 192; p. 1170.
- Henri, William B., Chicago, Ill. Mailing-folder. No. 1,060,596; May 6; Gaz. vol. 190; p. 11.
- Henrich, Henry, New York, N. Y. Ring-forming apparatus. No. 1,059,993; Apr. 29; Gaz. vol. 189; p. 1049.
- Henrichs, Peter, Erie, Pa. Clothes-case. No. 1,059,156; Apr. 15; Gaz. vol. 189; p. 689.
- Henrichsen, Theodore, Portland, Oreg. Saddle-tree. No. 1,058,302; Apr. 8; Gaz. vol. 189; p. 355.
- Henricksen, Harry, Erwin, Tenn. Locomotive driving-box. No. 1,063,683; June 3; Gaz. vol. 191; p. 179.
- Henrickson, Otto B., Shelby, Mich. Magnesium flash-lamp. No. 1,082,326; Dec. 23; Gaz. vol. 197; p. 920.
- Henrikson, Bernhard, Chicago, Ill. Boring-machine. No. 1,057,424; Apr. 1; Gaz. vol. 189; p. 11.
- Henrikson, Bernhard, Chicago, Ill. Cutter-head. No. 1,057,425; Apr. 1; Gaz. vol. 189; p. 11.
- Henriod, Charles E., Neuilly-sur-Seine, assignor to Société Ribeyrolles & Cie., Puteaux, Seine, France. Four-phase, single-piston, valveless motor. (Reissue.) No. 13,607; Aug. 19; Gaz. vol. 193; p. 726.
- Henry, Albert, Paris, France. Fixing rails on permanent ways. No. 1,062,235; May 20; Gaz. vol. 190; p. 646.
- Henry, Beulah L., Charlotte, N. C. Hand-bag. No. 1,063,031; May 27; Gaz. vol. 190; p. 950.
- Henry, Beulah L., assignor of one-half to W. T. Woodley, Charlotte, N. C. Parasol. No. 1,079,240; Nov. 18; Gaz. vol. 196; p. 752.
- Henry, Charles F., and L. E. Branning, Bow Island, Alberta, Canada. Disk valve. No. 1,055,531; Mar. 11; Gaz. vol. 188; p. 330.
- Henry Conolly Company. (See Magin, John G., assignor.)
- Henry Disston & Sons File Company. (See Rogers, George L., assignor.)
- Henry, George D., Kansas City, Mo. Fly-swatter. No. 1,075,784; Oct. 14; Gaz. vol. 195; p. 438.
- Henry, Guilford W., St. Louis, Mo. Folding davenport. No. 1,075,147; Oct. 7; Gaz. vol. 195; p. 192.
- Henry, Horace L., Geneva, N. Y. Safety-razor. No. 1,079,984; Dec. 2; Gaz. vol. 197; p. 22.
- Henry, James, Phillipsburg, N. J. Umbrella-holder. No. 1,066,205; July 1; Gaz. vol. 192; p. 108.
- Henry, John S., assignor to The Atwood Machine Company, Stonington, Conn. Stop-motion. No. 1,071,231; Aug. 26; Gaz. vol. 193; p. 835.
- Henry, John S., assignor to The Atwood Machine Co., Stonington, Conn. Attachment for thread doubling and twisting machines. No. 1,071,417; Aug. 26; Gaz. vol. 193; p. 897.
- Henry, Kirtie L. (See Kincaid, Joseph W., assignor.)
- Henry R. Worthington. (See Chisholm and Kibele, assignors.)
- Henry R. Worthington. (See Scheurmann, Walter, assignor.)
- Henry, Robert G., West Hartford, and W. J. Bayrer, assignors to The Henry & Wright Manufacturing Company, Hartford, Conn. Belt-shifter. No. 1,073,683; Sept. 23; Gaz. vol. 194; p. 787.
- Henry, Robert S. (See Shipley, Shepherd B., assignor.)
- Henry, Rufus V., Bickford, Okla. Curtain-roller. No. 1,056,673; Mar. 18; Gaz. vol. 188; p. 752.
- Henry T. Adams Company. (See Adams, Henry T., assignor.)
- Henry, William A., Galesburg, Ill. Toaster. No. 1,076,366; Oct. 21; Gaz. vol. 195; p. 667.
- Henry, William C. A., Columbus, Ohio, assignor to The B. T. U. Company, Pittsburgh, Pa. Underfeed stoker. No. 1,074,118; Sept. 30; Gaz. vol. 194; p. 963.
- Henry, William K., assignor to The American Hardware Corporation, New Britain, Conn. Door-closer hinge. No. 1,056,171; Mar. 18; Gaz. vol. 188; p. 581.
- Henry, William K., assignor to The American Hardware Corporation, New Britain, Conn. Door-stop mechanism. No. 1,056,990; Mar. 25; Gaz. vol. 188; p. 891.
- Henry, William K., assignor to The American Hardware Corporation, New Britain, Conn. Door-controlling means. No. 1,079,763; Nov. 25; Gaz. vol. 196; p. 965.
- Henry, William W., Philadelphia, Pa. Ventilator for locomotive-cabs. No. 1,059,157; Apr. 15; Gaz. vol. 189; p. 689.
- Henry & Wright Manufacturing Company, The. (See Bowers, Charles L., assignor.)
- Henry & Wright Manufacturing Company, The. (See Henry and Bayrer, assignors.)
- Henschel, Frederick, New York, N. Y. Shoe for artistic dancing. No. 1,079,941; Dec. 2; Gaz. vol. 197; p. 6.
- Hense, Rudolf, Charlottenburg, Germany. Obtaining a charge liquid particularly adapted for explosion-motors from liquid hydrocarbons. No. 1,073,233; Sept. 16; Gaz. vol. 194; p. 607.
- Hensel, Dennis, York, Pa. Film-rewinder. No. 1,049,859; Jan. 7; Gaz. vol. 186; p. 184.
- Hensel, Otto A., Pittsburgh, Pa. Incubator. No. 1,068,128; July 22; Gaz. vol. 192; p. 861.
- Hensel, William F., Chicago, Ill. Aeroplane-stabilizer. No. 1,049,713; Jan. 7; Gaz. vol. 186; p. 135.
- Hensley, Frederick W., Canonsburg, Pa. Doubling-table. No. 1,058,972; Apr. 15; Gaz. vol. 189; p. 626.
- Hensley, James M. (See Weaver and Hensley.)
- Hensley, Jesse F. (See Cline and Hensley.)
- Henson, Charles W., Chicago, Ill. Gas-regulator. No. 1,075,354; Oct. 14; Gaz. vol. 195; p. 291.
- Henton, John M., Edgemont, S. D. Motor disk plow. No. 1,059,158; Apr. 15; Gaz. vol. 189; p. 689.
- Hentschel, Augustin, Berlin, Germany, assignor, by mesne assignments, to The Hind & Harrison Plush Co., Clark Mills, N. Y. Goffering-press. No. 1,070,254; Aug. 12; Gaz. vol. 193; p. 430.
- Hentschel, Oswald, Grimma, Germany, assignor to A. Zeckendorf, Cincinnati, Ohio. Bleaching and conserving yeast. No. 1,056,540; Mar. 18; Gaz. vol. 188; p. 709.
- Hentz, Harry L., West Newton, and J. W. Vinal, Boston, Mass. Phrasing attachment. No. 1,065,446; June 24; Gaz. vol. 191; p. 878.
- Hentz, Harry L., West Newton, and J. W. Vinal, Boston, Mass. Music-sheet. No. 1,065,447; June 24; Gaz. vol. 191; p. 879.
- Hentz, Harry L., West Newton, and J. W. Vinal, Boston, Mass. Automatic phrasing attachment. No. 1,071,315; Aug. 26; Gaz. vol. 193; p. 863.
- Hentzel, Johann von, Zurich, Switzerland. Apparatus for heating liquids by electricity. No. 1,081,114; Dec. 9; Gaz. vol. 197; p. 441.
- Henvis, Maurice P., Washington, D. C. Water-vender. No. 1,082,327; Dec. 23; Gaz. vol. 197; p. 920.
- Hepburn, Frederick G., Manchester Center, Vt. Door-catch. No. 1,068,899; July 29; Gaz. vol. 192; p. 1170.
- Hepke, Alexander. (See Wischhusen and Hepke.)
- Hepner, Walter R., and E. M. Van Dyke, Kallispell, Mont. Spear. No. 1,076,036; Oct. 21; Gaz. vol. 195; p. 553.
- Hepp, Daniel, Chicago, Ill. Safety-razor. No. 1,055,039; Mar. 4; Gaz. vol. 188; p. 132.
- Hepp, Eduard, Frankfurt-on-the-Main, R. Uhlenbuth, and F. Roemer, assignors to Farbwerke vorm. Meister Lucius & Brüning, Höchst-on-the-Main, Germany. Dyestuff of the anthraquinone series and making same. No. 1,052,480; Feb. 11; Gaz. vol. 187; p. 250.
- Hepp, Friedrich, Tempelhof, near Berlin, Germany. Machine for making paper bags. No. 1,070,341; Aug. 12; Gaz. vol. 193; p. 460.
- Heppeler, Joseph, St. Joseph, Mich. Stop-motion for knitting-machines. No. 1,055,460; Mar. 11; Gaz. vol. 188; p. 308.
- Heppenstall, Samuel B., assignor to United Engineering & Foundry Co., Pittsburgh, Pa. Turning device for forging-machines. No. 1,074,863; Oct. 7; Gaz. vol. 195; p. 93.
- Hepworth, John W. (See Keyser, George, assignor.)
- Hepworth, John W. (See Zellers, William H., assignor.)

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- Herbert, Otto, Olalla, Wash. Box-cover fastener. No. 1,055,532; Mar. 11; Gaz. vol. 188; p. 331.
- Herbert, Patrick J., Dover Plains, N. Y. Non-refillable bottle. No. 1,061,288; May 13; Gaz. vol. 190; p. 284.
- Herblin, William L., Gainesville, Tex. Can-spout. No. 1,056,790; Mar. 25; Gaz. vol. 188; p. 823.
- Herboldt, John, assignor of one-third to G. H. Conway, Woodside, Idaho. Non-refillable bottle. No. 1,058,973; Apr. 15; Gaz. vol. 189; p. 626.
- Herbsleb, August F. (See Sosa, Augustus M., assignor.)
- Herbst, Charles L., and R. C. Avansino, Los Angeles, Cal. Interchangeable-car-placard device. No. 1,082,155; Dec. 23; Gaz. vol. 197; p. 857.
- Herd, William. (See Marcotte, Louis, assignor.)
- Herd, William B., Milford, Del. Milking-pail. No. 1,068,900; July 29; Gaz. vol. 192; p. 1170.
- Herdman, William J. (See Hulfish, Herdman, and Lorimer.)
- Hereford, Robert M., New Orleans, La. Metallic culvert. No. 1,070,807; Aug. 19; Gaz. vol. 193; p. 660.
- Herendeen, Charles, Chicago, Ill. Treating flour. No. 1,073,985; Sept. 23; Gaz. vol. 194; p. 890.
- Herendeen, Charles, Chicago, Ill. Apparatus for treating flour. No. 1,073,986; Sept. 23; Gaz. vol. 194; p. 890.
- Hering, Carl, Philadelphia, Pa. Means for preventing corrosion of underground metallic structures. No. 1,055,327; Mar. 11; Gaz. vol. 188; p. 262.
- Hering, George W., Larchmont, N. Y. Mold for molding concrete. No. 1,059,871; Apr. 22; Gaz. vol. 189; p. 963.
- Herm. Schroers Maschinenfabrik. (See Hunz, Josef, assignor.)
- Herm. Schroers Maschinenfabrik. (See Hunz, Joseph, assignor.)
- Herman, Frederick A., San Francisco, Cal. Sash-lock. No. 1,063,260; June 3; Gaz. vol. 191; p. 30.
- Herman, Frederick A., San Francisco, Cal. Door-securer. No. 1,082,121; Dec. 23; Gaz. vol. 197; p. 847.
- Herman, Jacob, Braddock, Pa. Cultivator or harrow. No. 1,068,901; July 29; Gaz. vol. 192; p. 1170.
- Herman, Jacob A., New York, N. Y. Dress. No. 1,079,552; Nov. 25; Gaz. vol. 196; p. 889.
- Herman, John E., Rochester, N. Y. Nut-lock. No. 1,057,548; Apr. 1; Gaz. vol. 189; p. 51.
- Herman, John H., and B. J. Weger, Napier, New Zealand. Deep-well-boring apparatus. No. 1,049,481; Jan. 7; Gaz. vol. 186; p. 55.
- Herman Pneumatic Machine Company. (See Ringle, Robert F., assignor.)
- Herman, Raphael. (See Miggett, William L., assignor.)
- Herman, Reinhold, Crafton, Pa. Electric-lamp-supporting means. No. 1,050,020; Jan. 7; Gaz. vol. 186; p. 237.
- Herman, Reinhold, Crafton, Pa. Supporting means for transmission mechanism. No. 1,064,213; June 10; Gaz. vol. 191; p. 392.
- Herman, Reinhold, Crafton, Pa. Shock-absorbing device. No. 1,064,214; June 10; Gaz. vol. 191; p. 393.
- Herman, Reinhold, Crafton, Pa. Cushioning apparatus for vehicle-frames. No. 1,064,215; June 10; Gaz. vol. 191; p. 393.
- Hermance Machine Company. (See Nelson, Arthur W., assignor.)
- Hermann, Charles. (See Thau, William G., assignor.)
- Hermann, Emanuel, San Francisco, Cal. Universal joint. No. 1,072,612; Sept. 9; Gaz. vol. 194; p. 350.
- Hermann, Max P., Philadelphia, Pa. Pocket implement. No. 1,083,095; Dec. 30; Gaz. vol. 197; p. 1216.
- Hermanson, Gustaf A., Chicago, Ill., assignor to The National Malleable Castings Company, Cleveland, Ohio. Car-coupling. No. 1,069,419; Aug. 5; Gaz. vol. 193; p. 117.
- Hermanson, Gustaf A., Chicago, Ill., assignor, by mesne assignments, to The National Malleable Castings Company, Cleveland, Ohio. Car-coupling. No. 1,079,488; Nov. 25; Gaz. vol. 196; p. 866.
- Hermelin, Harris, New York, N. Y. Machine for sharpening safety-razor blades. No. 1,073,123; Sept. 16; Gaz. vol. 194; p. 568.
- Hermisdorf, Max, assignor to Fried. Krupp Aktiengesellschaft, Essen-on-the-Ruhr, Germany. Barrel-recoil gun. No. 1,066,814; July 8; Gaz. vol. 192; p. 347.
- Hermisdorf, Max, assignor to Fried. Krupp Aktiengesellschaft, Essen-on-the-Ruhr, Germany. Wedge-block breech mechanism. No. 1,072,456; Sept. 9; Gaz. vol. 194; p. 296.
- Hernett, Charles. (See Bradley, Charles A., assignor.)
- Hernsheim, Harry J., Pleasant Prairie, Wis. Non-skidding device. No. 1,071,418; Aug. 26; Gaz. vol. 193; p. 897.
- Herold, Edmund, Brooklyn, N. Y. Index-clip. No. 1,055,397; Mar. 11; Gaz. vol. 188; p. 286.
- Héroult, Paul L. T., La Praz, France. Glass furnace and process. No. 1,069,255; Aug. 5; Gaz. vol. 193; p. 60.
- Héroult, Paul L. T., La Praz, Savoie, assignor to Societe Electro-Metallurgique Francaise, Froges, France. Regulating electric furnaces. No. 1,061,612; May 13; Gaz. vol. 190; p. 397.
- Héroux, Edmond, assignor to C. A. Millette, Montreal, Quebec, Canada. Railway-rail. No. 1,061,476; May 13; Gaz. vol. 190; p. 349.
- Herpel, Carl R., Newburg, Ind. Wheel-setting mechanism for harvesters. No. 1,075,148; Oct. 7; Gaz. vol. 195; p. 193.
- Herr, Henry C., Detroit, Mich., assignor, by mesne assignments, to Fiber Barrel Machinery & Manufacturing Company, Pittsburgh, Pa. Reinforced package. No. 1,075,418; Oct. 14; Gaz. vol. 195; p. 314.
- Herr, Herbert T., assignor, by mesne assignments, to The Colonial Trust Company, trustee, Pittsburgh, Pa. Reversing turbine. No. 1,057,055; Mar. 25; Gaz. vol. 188; p. 914.
- Herr, Herbert T., assignor, by mesne assignments, to The Colonial Trust Company, trustee, Pittsburgh, Pa. Steam-turbine. No. 1,061,670; May 13; Gaz. vol. 190; p. 418.
- Herr, Herbert T., Pittsburgh, Pa., assignor to The Westinghouse Machine Company. Blade-mounting. No. 1,072,457; Sept. 9; Gaz. vol. 194; p. 297.
- Herre, Alfred. (See Bauer, Herre, and Mayer.)
- Herrenschmidt & Co. (See Haas, Charles, assignor.)
- Herreshoff, Francis L., New York, N. Y. Photographic-printing frame. No. 1,056,099; Mar. 18; Gaz. vol. 188; p. 556.
- Herreshoff, John B. F., assignor to Nichols Copper Co., New York, N. Y. Furnace for roasting ores. No. 1,066,110; July 1; Gaz. vol. 192; p. 73.
- Herrick, James A., New York, N. Y. Gas-muffle. No. 1,057,832; Apr. 1; Gaz. vol. 189; p. 149.
- Herrick, James A., New York, N. Y. Gas-valve. No. 1,057,833; Apr. 1; Gaz. vol. 189; p. 149.
- Herrick, James A., New York, N. Y. Gas-producer. No. 1,063,540; June 3; Gaz. vol. 191; p. 124.
- Herrick, James A., New York, N. Y. Gas-producer. No. 1,073,124; Sept. 16; Gaz. vol. 194; p. 568.
- Herrick, James A., New York, N. Y. Gas-producer. No. 1,075,566; Oct. 14; Gaz. vol. 195; p. 364.
- Herrick, James A., Newark, N. J. Reversing-valve. No. 1,069,136; Aug. 5; Gaz. vol. 193; p. 16.
- Herrick, James A., Newark, N. J. Stirrer for gas-producers. No. 1,077,981; Nov. 11; Gaz. vol. 196; p. 286.
- Herrig, William P., Lamotte, Iowa. Well-rod hook. No. 1,059,608; Apr. 22; Gaz. vol. 189; p. 878.
- Herring, Herbert T., London, England. Rotary pump. No. 1,066,815; July 8; Gaz. vol. 192; p. 347.
- Herrmann, Ernst W. F., San Antonio, Tex. Gearing. No. 1,057,963; Apr. 1; Gaz. vol. 189; p. 193.
- Herrmann, John, Charlottesville, Va. Hillside spraying-wagon. No. 1,058,699; Apr. 8; Gaz. vol. 189; p. 492.
- Herrmann, Oscar, New York, N. Y. Keyboard attachment for autopianos. No. 1,070,256; Aug. 12; Gaz. vol. 193; p. 431.
- Herrmann, Oscar, New York, N. Y. Electric attachment for keyboards of autoplayers. No. 1,073,044; Sept. 9; Gaz. vol. 194; p. 504.
- Herrmann, Oscar, New York, N. Y. Wardrobe. No. 1,078,502; Nov. 11; Gaz. vol. 196; p. 465.
- Herrmann, Walter. (See Regas, Herrmann, and Moser.)
- Herron, James J., Pittsburgh, Pa. Nut and bolt lock. No. 1,073,755; Sept. 23; Gaz. vol. 194; p. 813.
- Herron, John J. (See Kennedy and Herron.)
- Herron, William P., and S. G. Stevens, Farmersville, Tex. Knee-pad for cotton-pickers, &c. No. 1,055,040; Mar. 4; Gaz. vol. 188; p. 132.
- Herschede, Walter J., Cincinnati, Ohio. Bezel for clock-crystals. No. 1,082,080; Dec. 23; Gaz. vol. 197; p. 834.
- Herscovitz, Morris, New York, N. Y. Portable shower-bath apparatus. No. 1,049,714; Jan. 7; Gaz. vol. 186; p. 136.
- Hersey, Arthur J., Duluth, Minn. Shoe-calk. No. 1,053,506; Feb. 18; Gaz. vol. 187; p. 646.
- Hershberger, John H., Wilkes-Barre, Pa. Calk-fastener. No. 1,072,006; Sept. 2; Gaz. vol. 194; p. 116.
- Hershkowitz, Max, and J. Friedman, New York, N. Y. Heater for bat-brims. No. 1,061,909; May 13; Gaz. vol. 190; p. 492.
- Hersman, Alden B. (See Long and Hersman.)
- Herstein, Henry, Brooklyn, N. Y. Clothes-line support. No. 1,051,404; Jan. 28; Gaz. vol. 186; p. 814.
- Herstein, Henry, Brooklyn, N. Y. Clothes-line support. No. 1,052,819; Feb. 11; Gaz. vol. 187; p. 366.
- Hertner, John H. (See Cockingham and Hertner.)
- Hertsgaard, Amund P., Kindred, N. D. Seed-corn rack. No. 1,079,241; Nov. 18; Gaz. vol. 196; p. 753.
- Hertz, Edward A. (See Hertz, Isaak and E. A.)
- Hertz, Isaak and E. A., Homestead, assignors of one-half to G. K. Preston, Pittsburgh, Pa. Loading apparatus. No. 1,057,735; Apr. 1; Gaz. vol. 189; p. 115.
- Hertz, Tobias, New York, assignor to Brooklyn Wireless & Electrical Novelty Co., Brooklyn, N. Y. Novelty cane or umbrella. No. 1,051,370; Jan. 21; Gaz. vol. 186; p. 768.
- Hertzberg, Harry. (See Arnold, George W., assignor.)
- Herud, Frank, Newark, N. J. Fur-beating machine. No. 1,082,747; Dec. 30; Gaz. vol. 197; p. 1098.
- Hervey, David F., Logansport, Ind. Mechanical stoker. No. 1,049,357; Jan. 7; Gaz. vol. 186; p. 13.

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- Herz, Alfred, Chicago, Ill. Pneumatic-tube system. No. 1,069,062; July 29; Gaz. vol. 192; p. 1223.
- Herz, Edmund, Vienna, Austria-Hungary. Detonating cap. No. 1,054,411; Feb. 25; Gaz. vol. 187; p. 991.
- Herzberg, Wilhelm, and W. Bruck, Schöneberg, near Berlin, assignors to Actien Gesellschaft für Anilin Fabrikation, Berlin, Germany. Anthraquinone vat dye. No. 1,050,829; Jan. 21; Gaz. vol. 186; p. 582.
- Herzberg, Wilhelm, Wilmersdorf, and W. Lange, Treptow, assignors to Actien Gesellschaft für Anilin Fabrikation, Berlin, Germany. Diazotizable disazo dyes for cotton. No. 1,078,503; Nov. 11; Gaz. vol. 196; p. 465.
- Herzberg, Wilhelm, Wilmersdorf, and W. Lange, Treptow, assignors to Actien Gesellschaft für Anilin Fabrikation, Berlin, Germany. Diazotizable disazo dyes for cotton. No. 1,078,504; Nov. 11; Gaz. vol. 196; p. 466.
- Herzberg, Wilhelm, Wilmersdorf, and G. Hoppe, Treptow, assignors to Actien Gesellschaft für Anilin Fabrikation, Berlin, Germany. Blue dyes of the anthraquinone series. No. 1,078,505; Nov. 11; Gaz. vol. 196; p. 466.
- Herzfeld, Julius, Schöneberg, near Berlin, assignor to Sucrofilter- und Wasserreinigungs Gesellschaft mit beschränkter Haftung, Schöneberg, Germany. Intermittently-acting double siphon. No. 1,077,471; Nov. 4; Gaz. vol. 196; p. 82.
- Herzfeldt, Walter, Weyauwega, Wis. Protecting-cover for funnels of war vessels. No. 1,072,117; Sept. 2; Gaz. vol. 194; p. 153.
- Herzfeldt, Walter, Weyauwega, Wis. Folding crate. No. 1,080,553; Dec. 9; Gaz. vol. 197; p. 253.
- Herzog, Felix B., deceased, New York, N. Y.; H. Herzog, executrix. Electric signaling apparatus and circuits. No. 1,060,760; May 6; Gaz. vol. 190; p. 67.
- Herzog, Felix B., deceased, New York, N. Y.; H. Herzog, executrix. Electric signaling. No. 1,068,387; July 22; Gaz. vol. 192; p. 952.
- Herzog, Henrietta, executrix. (See Herzog, Felix B.)
- Herzog, Joseph, New York, N. Y., assignor to A. O. Granger, Montreal, Canada. Incandescent lamp. No. 1,062,591; May 27; Gaz. vol. 190; p. 805.
- Herzog, Joseph, New York, N. Y., assignor to A. O. Granger, Montreal, Canada. Incandescent wick-lamp. No. 1,062,592; May 27; Gaz. vol. 190; p. 806.
- Herzog, Moses, Washington, D. C. Lifter for kitchen utensils. No. 1,058,585; Apr. 8; Gaz. vol. 189; p. 452.
- Herzog, Theodore O. H., Rock Island, Ill. Gearing for washing-machines. No. 1,064,323; June 10; Gaz. vol. 191; p. 429.
- Herzstark, Samuel J., Vienna, Austria-Hungary. Calculating-machine. No. 1,058,303; Apr. 8; Gaz. vol. 189; p. 355.
- Hesilton, George E., Plattsburgh, N. Y. Adjustable bearing. No. 1,058,304; Apr. 8; Gaz. vol. 189; p. 356.
- Heslewood, William R., Berkeley, assignor to South Fork Smelting Company, Oakland, Cal. Fume condensing and regenerative apparatus. No. 1,052,144; Feb. 4; Gaz. vol. 187; p. 104.
- Hess, Abbie M., and A. L. Tibbals, Kansas City, Kans. Wrinkle-remover. No. 1,062,399; May 20; Gaz. vol. 190; p. 701.
- Hess, Andrew J., assignor to C. C. Finley, Galion, Ohio. Claw-bar. No. 1,053,599; Feb. 18; Gaz. vol. 187; p. 679.
- Hess-Bright Manufacturing Company, The. (See Bright, Fred E., assignor.)
- Hess-Bright Manufacturing Company, The. (See Hess, Henry, assignor.)
- Hess Dustless Mining Machine Company. (See Hess, Louis F., assignor.)
- Hess, Edward B., assignor to Royal Typewriter Company, New York, N. Y. Escapement mechanism for typewriting machines. No. 1,072,118; Sept. 2; Gaz. vol. 194; p. 154.
- Hess, Edward B., Brooklyn, assignor to Royal Typewriter Company, New York, N. Y. Type-writing machine. No. 1,074,093; Sept. 23; Gaz. vol. 194; p. 925.
- Hess, Erwin P., assignor to Bethlehem Steel Company, South Bethlehem, Pa. Pump mechanism for hydraulic jacks and like apparatus. No. 1,080,062; Dec. 2; Gaz. vol. 197; p. 50.
- Hess, Frank, assignor of one-half to J. J. Lebert, Kalispell, Mont. Bath accessory. No. 1,063,794; June 3; Gaz. vol. 191; p. 215.
- Hess, George H., La Grange Park, Ill. Door. No. 1,056,541; Mar. 18; Gaz. vol. 188; p. 709.
- Hess, Henry. (See Bauschlicher, August, assignor.)
- Hess, Henry, Wawa, assignor to The Hess-Bright Manufacturing Company, Philadelphia, Pa. Ball-bearing. No. 1,059,538; Apr. 22; Gaz. vol. 189; p. 856.
- Hess, Henry, Wawa, assignor to The Hess-Bright Manufacturing Company, Philadelphia, Pa. Journal-bearing. No. 1,062,649; May 27; Gaz. vol. 190; p. 826.
- Hess, Henry, Wawa, assignor to The Hess-Bright Manufacturing Company, Philadelphia, Pa. Starting device for explosive-motors. No. 1,068,129; July 22; Gaz. vol. 192; p. 862.
- Hess, Henry, Wawa, assignor to The Hess-Bright Manufacturing Company, Philadelphia, Pa. Ball-holding cage for ball-bearings. No. 1,071,738; Sept. 2; Gaz. vol. 194; p. 24.
- Hess, Henry, assignor to The Hess-Bright Manufacturing Company, Philadelphia, Pa. Ball-bearing. No. 1,071,739; Sept. 2; Gaz. vol. 194; p. 24.
- Hess, Henry, assignor to The Hess-Bright Manufacturing Company, Philadelphia, Pa. Ball-bearing. No. 1,079,340; Nov. 25; Gaz. vol. 196; p. 817.
- Hess, Johannes, assignor to Firm of Bosnische Electricitäts-Actiengesellschaft, Vienna, Austria-Hungary. Electric furnace. No. 1,073,684; Sept. 23; Gaz. vol. 194; p. 787.
- Hess, John H., Caledonia, Mo. Shoe-lace holder. No. 1,064,143; June 10; Gaz. vol. 191; p. 368.
- Hess, Joseph D., Baltimore, Md. Twine-cutter. No. 1,055,171; Mar. 4; Gaz. vol. 188; p. 173.
- Hess, Julius, Strassburg-Neudorf, Germany. Machine for cutting the hair or fur of skins. No. 1,049,358; Jan. 7; Gaz. vol. 186; p. 13.
- Hess, Julius J., Chicago, Ill. Jointed rod for inserting wires in conduits and analogous purposes. No. 1,066,816; July 8; Gaz. vol. 192; p. 347.
- Hess, Louis F., assignor to Hess Dustless Mining Machine Company, Ansted, W. Va. Mining-tool. No. 1,059,463; Apr. 22; Gaz. vol. 189; p. 831.
- Hesse, Fritz, Dresden, assignor to Deutsche Kunstleder Aktien-Gesellschaft, Kötitz, near Coswig, Germany. Application of adhesive substances to textile fabrics and the like. No. 1,065,684; June 24; Gaz. vol. 191; p. 960.
- Hesse, Leopold, Vohwinkel, near Elberfeld, assignor to Farbenfabriken vorm. Friedr. Bayer & Co., Elberfeld, Germany. Wool azo dye. No. 1,054,348; Feb. 25; Gaz. vol. 187; p. 969.
- Hesse, Otto, Elberfeld, Germany. Wrench. No. 1,050,215; Jan. 14; Gaz. vol. 186; p. 337.
- Hesse, Otto, Hoboken, N. J. Hose-coupling. No. 1,077,710; Nov. 4; Gaz. vol. 196; p. 160.
- Hesse, Walter A., Alameda, Cal. Crossing-signal. No. 1,067,734; July 15; Gaz. vol. 192; p. 696.
- Hesselbein, Max, Frankfort-on-the-Main, Germany. Tin-opener. No. 1,067,654; July 15; Gaz. vol. 192; p. 669.
- Hesselman, Knut J. E., Stockholm, Sweden. Water-cooled internal-combustion engine. No. 1,072,946; Sept. 9; Gaz. vol. 194; p. 471.
- Hesselman, Knut J. E., Stockholm, Sweden. Fuel-pump for internal-combustion engines. No. 1,078,438; Nov. 11; Gaz. vol. 196; p. 445.
- Hesselman, Knut J. E., Stockholm, Sweden. Vaporizer for internal-combustion engines. No. 1,082,328; Dec. 23; Gaz. vol. 197; p. 920.
- Hessling, Waldemar, assignor to Sturtevant Engineering Company, Limited, London, England. Centrifugal fan or pump. No. 1,062,006; May 20; Gaz. vol. 190; p. 568.
- Hester, Joseph T., et al. (See McCall, Joseph W., assignor.)
- Hester, Otho E., Van Meter, Iowa. Gate-latch. No. 1,052,664; Feb. 11; Gaz. vol. 187; p. 312.
- Hester, Otho E., Van Meter, Iowa. Gate-hinge. No. 1,052,665; Feb. 11; Gaz. vol. 187; p. 312.
- Hester, William J., assignor of one-half to C. M. Richmond, Milwaukee, Oreg. Hinge. No. 1,067,427; July 15; Gaz. vol. 192; p. 592.
- Hetherington, Bert. (See Hetherington, William, assignor.)
- Hetherington, Bert, Everest, Kans. Insulator. No. 1,071,419; Aug. 26; Gaz. vol. 193; p. 897.
- Hetherington, William, Everest, Kans., assignor to B. Hetherington. Clothes-line prop. No. 1,059,330; Apr. 15; Gaz. vol. 189; p. 748.
- Hetle, Peder, Miner, N. D. Mail receiving and delivering apparatus. No. 1,061,744; May 13; Gaz. vol. 190; p. 442.
- Hettinger, Carl F., Boston, Mass. Combined hop-press and hop-strainer. No. 1,083,013; Dec. 30; Gaz. vol. 197; p. 1189.
- Hettinger, Henry T., Pittsburgh, Pa. Awning-hook. No. 1,071,232; Aug. 26; Gaz. vol. 193; p. 835.
- Hettinger, Jennie S., Camden, N. J. Sheet-packing. No. 1,068,585; July 29; Gaz. vol. 192; p. 1058.
- Heulings, William H., Jr., assignor to The J. G. Brill Company, Philadelphia, Pa. Car-truck. No. 1,074,322; Sept. 30; Gaz. vol. 194; p. 1030.
- Heumach, Heinrich, Jr. (See Fischer and Heumach.)
- Heuschkel, Otto E., Victoria Dock, England. Manufacture of artificial manure. No. 1,049,482; Jan. 7; Gaz. vol. 186; p. 55.
- Heusler, Friedrich, Dillenburg, Germany. Extracting manganese from its ores. No. 1,078,199; Nov. 11; Gaz. vol. 196; p. 360.
- Hewer, Edward H., Delmer, Ontario, Canada. Mechanical power apparatus. No. 1,054,412; Feb. 25; Gaz. vol. 187; p. 991.
- Hewett, Charles, Wenatchee, Wash. Orchard step-ladder. No. 1,067,170; July 8; Gaz. vol. 192; p. 467.
- Hewett, John E., Wilmington, N. C. Means for locking type-forms in a chase. No. 1,061,745; May 13; Gaz. vol. 190; p. 443.

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- Hewitt, Nick and L., Seville, Ohio. Corn-busker. No. 1,068,130; July 22; Gaz. vol. 192; p. 862.
- Hewitt, Charles B. (See Zackey, William W., assignor.)
- Hewitt, Edward R., Ringwood, N. J., assignor to Hewitt Motor Company, New York, N. Y. Automobile. No. 1,077,197; Oct. 28; Gaz. vol. 195; p. 1006.
- Hewitt, Edward R., Ringwood, N. J., assignor, by mesne assignments, to International Motor Company, New York, N. Y. Automobile. No. 1,077,933; Nov. 4; Gaz. vol. 196; p. 237.
- Hewitt, Frank E., Toronto, Ontario, Canada. Electric toaster. No. 1,049,359; Jan. 7; Gaz. vol. 186; p. 14.
- Hewitt, George H., Jr., Jersey City, N. J. Automobile number carrier and drop. No. 1,061,910; May 13; Gaz. vol. 190; p. 492.
- Hewitt, Herbert H., Buffalo, N. Y. Railway-car. No. 1,058,430; Apr. 8; Gaz. vol. 189; p. 402.
- Hewitt, Herbert H., Buffalo, N. Y. Hose-coupling. No. 1,067,337; July 15; Gaz. vol. 192; p. 562.
- Hewitt, Herbert H., Buffalo, N. Y. Car-axle journal-box. No. 1,072,719; Sept. 9; Gaz. vol. 194; p. 387.
- Hewitt, Herbert H., Buffalo, N. Y. Car-axle box. No. 1,072,720; Sept. 9; Gaz. vol. 194; p. 387.
- Hewitt, Herbert H., Buffalo, N. Y. Car-truck. No. 1,072,721; Sept. 9; Gaz. vol. 194; p. 387.
- Hewitt, Herbert H., Buffalo, N. Y. Car-truck. No. 1,072,722; Sept. 9; Gaz. vol. 194; p. 388.
- Hewitt, Herbert H., Buffalo, N. Y. Car-truck. No. 1,072,723; Sept. 9; Gaz. vol. 194; p. 388.
- Hewitt, Herbert H., Buffalo, N. Y. Car-truck. No. 1,072,724; Sept. 9; Gaz. vol. 194; p. 388.
- Hewitt, Herbert H., Buffalo, N. Y. Car-truck. No. 1,072,725; Sept. 9; Gaz. vol. 194; p. 389.
- Hewitt, Herbert H., Buffalo, N. Y. Railway-car journal-box. No. 1,072,726; Sept. 9; Gaz. vol. 194; p. 389.
- Hewitt, Herbert H., Buffalo, N. Y. Railway-car journal-box. No. 1,072,727; Sept. 9; Gaz. vol. 194; p. 390.
- Hewitt, James, assignor to International Steam Pump Company, New York, N. Y. Valve. No. 1,053,992; Feb. 25; Gaz. vol. 187; p. 847.
- Hewitt, James M., Manchester, and A. J. Drake, Hale, assignors to Saver Clutch Co., Ltd., Manchester, England. Friction-clutch and the like. No. 1,077,831; Nov. 4; Gaz. vol. 196; p. 201.
- Hewitt Motor Company. (See Hewitt, Edward R., assignor.)
- Hewitt, Peter C., New York, N. Y., assignor to Cooper Hewitt Electric Company. Operation of translating devices with multiple electrodes. No. 1,052,056; Feb. 4; Gaz. vol. 187; p. 73.
- Hewitt, Peter C., assignor to Cooper Hewitt Electric Company, New York, N. Y. Vapor electric device. No. 1,052,057; Feb. 4; Gaz. vol. 187; p. 73.
- Hewitt, Peter C., assignor to Cooper Hewitt Electric Company, New York, N. Y. Protecting device for vapor apparatus. No. 1,052,583; Feb. 11; Gaz. vol. 187; p. 284.
- Hewitt, Peter C., New York, N. Y., assignor, by mesne assignments, to Cooper Hewitt Electric Company, Hoboken, N. J. Electric-lighting apparatus. No. 1,064,685; June 10; Gaz. vol. 191; p. 553.
- Hewitt, Peter C., New York, N. Y., assignor, by mesne assignments, to Cooper Hewitt Electric Company, Hoboken, N. J. Gas or vapor electric apparatus. No. 1,064,686; June 10; Gaz. vol. 191; p. 554.
- Hewitt, Peter C., New York, N. Y., assignor, by mesne assignments, to Cooper Hewitt Electric Company, Hoboken, N. J. Vapor electric device. No. 1,064,687; June 10; Gaz. vol. 191; p. 554.
- Hewitt, Peter C., New York, N. Y., assignor, by mesne assignments, to Cooper Hewitt Electric Company, Hoboken, N. J. Automatic starting device for vapor-lamps. No. 1,064,690; June 10; Gaz. vol. 191; p. 555.
- Hewitt, Peter C., New York, N. Y., assignor, by mesne assignments, to Cooper Hewitt Electric Company, Hoboken, N. J. System of electrical distribution. No. 1,064,691; June 10; Gaz. vol. 191; p. 555.
- Hewitt, Peter C., New York, N. Y., assignor, by mesne assignments, to Cooper Hewitt Electric Company, Hoboken, N. J. Vapor electric apparatus. No. 1,069,695; Aug. 12; Gaz. vol. 193; p. 238.
- Hewitt, Peter C., New York, N. Y., assignor, by mesne assignments, to Cooper Hewitt Electric Company, Hoboken, N. J. Starting device for vapor apparatus. No. 1,069,696; Aug. 12; Gaz. vol. 193; p. 238.
- Hewitt, Peter C., New York, N. Y., assignor, by mesne assignments, to Cooper Hewitt Electric Company, Hoboken, N. J. Starting electric-lighting apparatus. No. 1,079,341; Nov. 25; Gaz. vol. 196; p. 817.
- Hewitt, Peter C., New York, N. Y., assignor, by mesne assignments, to Cooper Hewitt Electric Company, Hoboken, N. J. Circuit-breaker. No. 1,079,410; Nov. 25; Gaz. vol. 196; p. 840.
- Hewitt, Peter C., Ringwood Manor, N. J., assignor to Cooper Hewitt Electric Company, New York, N. Y. Cooling device for vapor electric apparatus. No. 1,052,584; Feb. 11; Gaz. vol. 187; p. 284.
- Hewitt, Peter C., Ringwood Manor, assignor, by mesne assignments, to Cooper Hewitt Electric Company, Hoboken, N. J. Electric-lighting apparatus. No. 1,064,688; June 10; Gaz. vol. 191; p. 554.
- Hewitt, Peter C., Ringwood Manor, assignor, by mesne assignments, to Cooper Hewitt Electric Company, Hoboken, N. J. Vapor electric device. No. 1,064,689; June 10; Gaz. vol. 191; p. 555.
- Hewitt, Peter C., Ringwood Manor, assignor, by mesne assignments, to Cooper Hewitt Electric Company, Hoboken, N. J. Electric lighting. No. 1,079,343; Nov. 25; Gaz. vol. 196; p. 818.
- Hewitt, Peter C., Ringwood Manor, assignor, by mesne assignments, to Cooper Hewitt Electric Company, Hoboken, N. J. Electrical production of light. No. 1,079,344; Nov. 25; Gaz. vol. 196; p. 818.
- Hewitt, Peter C., New York, and N. W. Rogers, Mount Vernon, N. Y., assignors, by mesne assignments, to Cooper Hewitt Electric Company, Hoboken, N. J. Electric gas or vapor lamp. No. 1,079,342; Nov. 25; Gaz. vol. 196; p. 817.
- Hewitt, William E., Turner, Kans. Carrier and screening means for potato-diggers. No. 1,052,249; Feb. 4; Gaz. vol. 187; p. 141.
- Hewitt, William R., San Francisco, Cal. Piston. No. 1,057,643; Apr. 1; Gaz. vol. 189; p. 84.
- Hewlett, Edward M., Schenectady, N. Y., assignor to General Electric Company. Electric switch. No. 1,067,735; July 15; Gaz. vol. 192; p. 696.
- Hewlett, Edward M., Schenectady, N. Y., assignor to General Electric Company. Circuit-controlling contact. No. 1,074,431; Sept. 30; Gaz. vol. 194; p. 1067.
- Hewlett, Edward M., Schenectady, N. Y., assignor to General Electric Company. High-potential insulator. No. 1,077,711; Nov. 4; Gaz. vol. 196; p. 161.
- Hewlett, Edward M., and C. C. Badeau, Schenectady, N. Y., assignors to General Electric Company. Electric switch. No. 1,050,021; Jan. 7; Gaz. vol. 186; p. 238.
- Hewson, Alfred W. (See Stoler and Hewson.)
- Hext, William A., Cincinnati, Ohio. Heating device. No. 1,069,256; Aug. 5; Gaz. vol. 193; p. 60.
- Hexter, Isaac R., New York, N. Y. Jewelry-setting. No. 1,056,414; Mar. 18; Gaz. vol. 188; p. 661.
- Hey, David M., assignor to Vacuum Dyeing Machine Company, Chattanooga, Tenn. Centrifugal pump. No. 1,079,294; Nov. 18; Gaz. vol. 196; p. 768.
- Hey, Harry, Dewsbury, England. Absorber and separator for gases and vapors. No. 1,080,445; Dec. 2; Gaz. vol. 197; p. 185.
- Heyder, Charles C., Hansford, W. Va. Electric heater. No. 1,061,289; May 13; Gaz. vol. 190; p. 284.
- Heyder, Richard, New York, N. Y., assignor to General Electric Company. Manufacture of boron nitrid. No. 1,077,712; Nov. 4; Gaz. vol. 196; p. 161.
- Heyerdahl, Albert G. (See Knudson, Henry E. assignor.)
- Heyl, George E., London, and F. J. Allen, Wanstead, England. Liquid-impregnating device. No. 1,075,210; Oct. 7; Gaz. vol. 195; p. 214.
- Heyl, George E., and T. T. Baker, Strand, London, England. Fuel mixture. No. 1,081,739; Dec. 16; Gaz. vol. 197; p. 687.
- Heyl, Henry R., Philadelphia, Pa. Paper drinking-cup. No. 1,057,426; Apr. 1; Gaz. vol. 189; p. 12.
- Heyl, Henry R., assignor to The American Paper Bottle Company, Philadelphia, Pa. Machine for forming conical tubes. No. 1,060,455; Apr. 29; Gaz. vol. 189; p. 1208.
- Heyl & Patterson Inc. (See Mulholland, Vergil, assignor.)
- Heylman, Edward M., Janesville, Wis. Vehicle driving mechanism. No. 1,070,890; Aug. 19; Gaz. vol. 193; p. 686.
- Heylman, Edward M., assignor to Oliver Chilled Plow Works, South Bend, Ind. Plow. No. 1,081,530; Dec. 16; Gaz. vol. 197; p. 622.
- Heym, Wilhelm, Berlin, Germany. Cigar-lighter. No. 1,061,074; May 6; Gaz. vol. 190; p. 177.
- Heyman, D. A. (See Wiggins, Edward J., assignor.)
- Heyman, Knut W., Stockholm, Sweden. Milk-distributing car. No. 1,064,324; June 10; Gaz. vol. 191; p. 430.
- Heyn, Friedrich, Hamburg, Germany. Buoy for streams and currents. No. 1,067,113; July 8; Gaz. vol. 192; p. 447.
- Heys, John J., Lynn, Mass., assignor to United Shoe Machinery Company, Paterson, N. J. Flexible insole. No. 1,060,088; Apr. 29; Gaz. vol. 189; p. 1079.
- Hibbard, Charles L., Philadelphia, Pa. Talking-machine. No. 1,070,959; Aug. 19; Gaz. vol. 193; p. 708.
- Hibbard, George L., Grand Junction, Colo., assignor, by mesne assignments, to G. A. McNeil, La Mesa, Cal. Mold. No. 1,051,329; Jan. 21; Gaz. vol. 186; p. 754.
- Hibbard, Henry D., Plainfield, N. J. Making steel. No. 1,051,840; Jan. 28; Gaz. vol. 186; p. 959.
- Hibbard, James M., Detroit, Mich. Holder for flagstaves, &c. No. 1,065,685; June 24; Gaz. vol. 191; p. 960.
- Hibbs, R. Bazell, Lewiston, Idaho. Culvert. No. 1,074,718; Oct. 7; Gaz. vol. 195; p. 46.
- Hibon, Sidney J., assignor of one-half to A. Kleinman, New York, N. Y. Detonating device. No. 1,068,431; July 29; Gaz. vol. 192; p. 1006.

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- Hice, George S., New York, N. Y., and J. Barnes, Philadelphia, Pa. Settable-type device. No. 1,073,234; Sept. 16; Gaz. vol. 194; p. 608.
- Hick, Harry J. (See Staples and Hick.)
- Hick, Harry J., assignor to The McCaskey Register Company, Alliance, Ohio. Filing appliance. No. 1,052,444; Feb. 4; Gaz. vol. 187; p. 205.
- Hick, Harry J., assignor to The McCaskey Register Company, Alliance, Ohio. Filing appliance. No. 1,055,041; Mar. 4; Gaz. vol. 188; p. 132.
- Hick, Harry J., assignor to The McCaskey Register Company, Alliance, Ohio. Closing-curtain. No. 1,064,216; June 10; Gaz. vol. 191; p. 393.
- Hick, Harry J., assignor to The McCaskey Register Company, Alliance, Ohio. Filing appliance. No. 1,072,007; Sept. 2; Gaz. vol. 194; p. 116.
- Hick, Harry J., and A. F. Staples, assignors to The McCaskey Register Company, Alliance, Ohio. Interchangeable index. No. 1,052,585; Feb. 11; Gaz. vol. 187; p. 285.
- Hickenbottom, James F., Flora, Ill. Damper for heating-stoves. No. 1,061,911; May 13; Gaz. vol. 190; p. 493.
- Hickerson, Elmer E., assignor of one-half to F. Anderson, McComb, Ohio. Nut-lock. No. 1,075,419; Oct. 14; Gaz. vol. 195; p. 314.
- Hickerson, Frank, McComb, Ohio. Portable heater. No. 1,053,812; Feb. 18; Gaz. vol. 187; p. 749.
- Hickerson, Henry T., Montgomery City, Mo. Metal railway-tie. No. 1,060,184; Apr. 29; Gaz. vol. 189; p. 1113.
- Hickey, Charles, Blackwell, Okla. Muzzle. No. 1,080,446; Dec. 2; Gaz. vol. 197; p. 186.
- Hickey, Harry T. (See Barrett, Charles E., assignor.)
- Hickey, James, Worcester, Mass. Kitchen utensil. No. 1,064,729; June 17; Gaz. vol. 191; p. 604.
- Hickey, John, assignor to National Pipe Bending Company, New Haven, Conn. Apparatus for heating water. No. 1,058,586; Apr. 8; Gaz. vol. 189; p. 452.
- Hickey, Laurence M., Denver, Colo. Rear lamp and license-number. No. 1,055,172; Mar. 4; Gaz. vol. 188; p. 174.
- Hickok, Lester E., assignor of one-half to F. E. Wilcox, Mechanicsburg, Pa. Vehicle-gear. No. 1,081,910; Dec. 16; Gaz. vol. 197; p. 746.
- Hickok, William O., 3rd. (See Kepple, Anderson, and Hickok.)
- Hicks, Arthur W., administrator. (See Hicks, John A.)
- Hicks, Charles E., and J. N. Hoffman, Forest Grove, Oreg. Mitering device. No. 1,062,541; May 20; Gaz. vol. 190; p. 746.
- Hicks, Charles W., Clearwater, Fla. Subsoil-plow. No. 1,079,553; Nov. 25; Gaz. vol. 196; p. 889.
- Hicks, Henry A., Gerty, Okla. Electric-wire-supporting device. No. 1,054,690; Mar. 4; Gaz. vol. 188; p. 12.
- Hicks, Irl R., Hallsville, Mo. Nut-lock. No. 1,069,011; July 29; Gaz. vol. 192; p. 1206.
- Hicks, Irving C., New York, N. Y., assignor to Sanitary Bed Rest Company. Head-rest. No. 1,054,844; Mar. 4; Gaz. vol. 188; p. 66.
- Hicks, John A., deceased, Summit, N. J.; A. W. Hicks, administrator. Sealing-cap for vessels. No. 1,082,696; Dec. 30; Gaz. vol. 197; p. 1079.
- Hicks, John F. (See Kovsky and Hicks.)
- Hicks, Stanley, North Yakima, Wash. Current-motor. No. 1,071,918; Sept. 2; Gaz. vol. 194; p. 86.
- Hicks, Walter F. (See Hines and Hicks.)
- Hide-It Leather Company. (See Clapp, Albert L., assignor.)
- Hider, Frederick W., Toronto, Ontario, Canada. Hot-water or steam boiler. No. 1,050,135; Jan. 14; Gaz. vol. 186; p. 310.
- Hiemenz, Wilhelm, and W. Kropp, assignors to Farbenfabriken vorm. Friedr. Bayer & Co., Elberfeld, Germany. Pharmaceutical compounds. No. 1,056,542; Mar. 18; Gaz. vol. 188; p. 709.
- Hiemenz, Wilhelm, and W. Kropp, assignors to Farbenfabriken vorm. Friedr. Bayer & Co., Elberfeld, Germany. Therapeutical compound. No. 1,056,674; Mar. 18; Gaz. vol. 188; p. 753.
- Hiemenz, Wilhelm, and L. Taub, assignors to Farbenfabriken vorm. Friedr. Bayer & Co., Elberfeld, Germany. Pharmaceutical compound. No. 1,073,855; Sept. 23; Gaz. vol. 194; p. 845.
- Hiener, Louis, Wheeling, W. Va. Safety-razor. No. 1,057,644; Apr. 1; Gaz. vol. 189; p. 85.
- Hiett, De Kernia J. T., Chicago, Ill. Ventilator. No. 1,053,507; Feb. 18; Gaz. vol. 187; p. 646.
- Hiett, De Kernia J. T., Chicago, Ill. Ventilator. No. 1,053,508; Feb. 18; Gaz. vol. 187; p. 646.
- Hiett, De Kernia J. T., assignor to J. H. Coulter, Chicago, Ill. Ventilator. No. 1,073,125; Sept. 16; Gaz. vol. 194; p. 569.
- Higbee, Harriet A., Worcester, Mass., assignor to H. D. Perky, deceased, Niagara Falls, N. Y.; L. Sparks, administrator. Grinding-machine. No. 1,057,427; Apr. 1; Gaz. vol. 189; p. 12.
- Higdon, Otis P. (See Mutton, Arthur R., assignor.)
- Higgason, Wallace B., Zeoring, Iowa. Operating-table for animals. No. 1,073,756; Sept. 23; Gaz. vol. 194; p. 813.
- Higgin, Henry, Newport, Ky. Metallic fence-post. No. 1,056,172; Mar. 18; Gaz. vol. 188; p. 581.
- Higgin, Henry, Newport, Ky. Metal fence-post. No. 1,056,173; Mar. 18; Gaz. vol. 188; p. 582.
- Higgin, Henry, assignor to The Higgin Manufacturing Company, Newport, Ky. Brazing tubing. No. 1,052,820; Feb. 11; Gaz. vol. 187; p. 366.
- Higgin, Henry, assignor of one-half to The Higgin Manufacturing Company, Newport, Ky. Window-ventilator. No. 1,064,730; June 17; Gaz. vol. 191; p. 605.
- Higgin, Henry, assignor to The Higgin Manufacturing Company, Newport, Ky. Dust-proof cap for vehicle-hubs. No. 1,066,613; July 8; Gaz. vol. 192; p. 277.
- Higgin Manufacturing Company, The. (See Higgin, Henry, assignor.)
- Higginbotham, Don J., Rialto, Fla. Stamping device. No. 1,078,854; Nov. 18; Gaz. vol. 196; p. 620.
- Higginbotham, Judson L., assignor of one-sixth to J. M. Spellman and one-sixth to J. S. Murray, Dallas, Tex. Photographic-printing machine. No. 1,082,748; Dec. 30; Gaz. vol. 197; p. 1098.
- Higgins, Abner J., New York, N. Y. Railway-crossing. No. 1,067,171; July 8; Gaz. vol. 192; p. 467.
- Higgins, Albert G., Kansas City, Mo. Furring-strip. No. 1,064,731; June 17; Gaz. vol. 191; p. 605.
- Higgins, Albert G., Kansas City, Mo. Concrete apparatus. No. 1,065,365; June 24; Gaz. vol. 191; p. 851.
- Higgins, Albert G., Kansas City, Mo., assignor to Truswall Mfg. Co. Monolithic cementitious structure. No. 1,052,918; Feb. 11; Gaz. vol. 187; p. 400.
- Higgins, C. E. (See Redding, John W., assignor.)
- Higgins, Campbell P., Roselle, assignor to The Babcock & Wilcox Company, Bayonne, N. J. Manufacturing headers for water-tube boilers. No. 1,064,217; June 10; Gaz. vol. 191; p. 394.
- Higgins, Edward S., Balham, London, assignor to The Safety Tread Syndicate Limited, London, England. Stair-tread and the like. No. 1,051,583; Jan. 28; Gaz. vol. 186; p. 875.
- Higgins, Eric B. (See Wimmer and Higgins.)
- Higgins, Francis S., Pasadena, Cal. Framing-square. No. 1,065,046; June 17; Gaz. vol. 191; p. 705.
- Higgins, Frank, Mulberry, Kans. Sighting-target. No. 1,081,829; Dec. 16; Gaz. vol. 197; p. 721.
- Higgins, Horace M., Omaha, Nebr. Cash-fare slip. No. 1,070,685; Aug. 19; Gaz. vol. 193; p. 620.
- Higgins, Warren P., assignor of one-third to G. L. Wertman, Minneapolis, Minn. Toy school-room. No. 1,069,012; July 29; Gaz. vol. 192; p. 1207.
- Higgins, William H., Washington, N. J. Metal railway-tie. No. 1,056,025; Mar. 18; Gaz. vol. 188; p. 531.
- Higgins, William H. C., Jr., Laporte, Ind. Carbureter. No. 1,062,333; May 20; Gaz. vol. 190; p. 679.
- Higgins, William H. C., Jr., Laporte, Ind. Mixing fuel for carbureters. No. 1,077,881; Nov. 4; Gaz. vol. 196; p. 219.
- Higgins, William H. C., Jr., Laporte, Ind. Carbureter. No. 1,077,910; Nov. 4; Gaz. vol. 196; p. 229.
- Higgins, William H. C., Jr., assignor to M. Rumely Company, Laporte, Ind. Carbureter. No. 1,055,042; Mar. 4; Gaz. vol. 188; p. 133.
- Higgins, William H. C., Jr., assignor to M. Rumely Company, Laporte, Ind. Valve. No. 1,060,089; Apr. 29; Gaz. vol. 189; p. 1079.
- Higginson, Joseph, and H. Arundel, Stockport, England. Liquid-fuel-supply arrangement of internal-combustion engines. No. 1,067,814; July 22; Gaz. vol. 192; p. 756.
- High Frequency Ignition Coil Company. (See Seeley, James E., assignor.)
- Higham, Daniel, New York, N. Y. Combination phonograph and moving-picture apparatus. No. 1,054,203; Feb. 25; Gaz. vol. 187; p. 919.
- Higham, Lindley M., Brooklyn, N. Y. Expansible finger-ring. No. 1,079,489; Nov. 25; Gaz. vol. 196; p. 867.
- Highet, Robert, and D. G. McLennan, Vancouver, British Columbia, Canada. Spring door-hinge. No. 1,063,446; June 3; Gaz. vol. 191; p. 93.
- Highland, John N., Detroit, Mich. Airship. No. 1,055,533; Mar. 11; Gaz. vol. 188; p. 331.
- Hiitt, Otto E. (See Korneffel and Hiitt.)
- Hilbert Machine Company, The. (See Mill, Anton, assignor.)
- Hild, Frederic W., Portland, Oreg., and E. T. Flateboe, assignors to Western Automatic Fender Co., Inc., Seattle, Wash. Car-fender. No. 1,069,063; July 29; Gaz. vol. 192; p. 1224.
- Hildebrand, Fredrick, assignor of one-third to E. Nichols and one-third to C. S. Atkinson, Sykeston, N. D. Plow attachment. No. 1,057,645; Apr. 1; Gaz. vol. 189; p. 85.
- Hilden, Charles F., Oakland, Cal. Boat-propelling means. No. 1,050,458; Jan. 14; Gaz. vol. 186; p. 423.
- Hildenbrand, Henry, New York, N. Y., assignor of one-half to L. H. Phelps, Westfield, N. J. Barrel-tap. No. 1,062,779; May 27; Gaz. vol. 190; p. 867.
- Hilditch, Francis F., Georgetown, Pa. Folding umbrella. No. 1,061,075; May 6; Gaz. vol. 190; p. 178.
- Hilditch, Francis F., Georgetown, Pa. Hat-pin-point protector. No. 1,061,076; May 6; Gaz. vol. 190; p. 178.
- Hildreth, Carl C. (See Cook and Hildreth.)

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- Hildreth, Henry W., Clintonville, Ala. Bag-holder. No. 1,057,240; Mar. 25; Gaz. vol. 188; p. 979.
- Hildreth, Lawrence, Lexington, Ky. Animal-trap. No. 1,061,477; May 13; Gaz. vol. 190; p. 349.
- Hildreth, Ward. (See Ross, Oscar T., assignor.)
- Hildt, Wladyslaw, Warsaw, Russia. Decolorizing vegetable extracts containing tanning substances. No. 1,053,034; Feb. 11; Gaz. vol. 187; p. 438.
- Hiler, Lewis J., Rochester, N. Y. Saw-jointer and side-dressing device. No. 1,064,732; June 17; Gaz. vol. 191; p. 605.
- Hiles, Pearl, and J. J. McNeerney, St. Louis, Mo. Safety-pin. No. 1,071,919; Sept. 2; Gaz. vol. 194; p. 86.
- Hilfiker, Frederick O., Irondequoit, assignor to F. O. Hilfiker Co., Syracuse, N. Y. Toilet implement. No. 1,078,283; Nov. 11; Gaz. vol. 196; p. 390.
- Hilfrank, Edward, assignor of two-thirds to E. Bryant and P. C. Brashear, Castleton, N. Y. Safety device for presses or the like. No. 1,062,097; May 20; Gaz. vol. 190; p. 599.
- Hilfrank, John W., White Plains, N. Y. Caster. No. 1,061,912; May 13; Gaz. vol. 190; p. 493.
- Hilgendorf, Edmund J., Milwaukee, Wis. Connector for angle-rods. No. 1,053,173; Feb. 18; Gaz. vol. 187; p. 530.
- Hilgers, Gerrit, Rotterdam, Netherlands. Life-boat for submarine vessels. No. 1,081,740; Dec. 16; Gaz. vol. 197; p. 687.
- Hilke, Henry C., Seattle, Wash. Elevator. No. 1,053,391; Feb. 18; Gaz. vol. 187; p. 605.
- Hilker, Edward. (See Gould, Charles T. E., assignor.)
- Hill, Aaron, assignor of one-fourth to R. I. Blakeslee, Los Angeles, Cal. Wire mattress. No. 1,051,584; Jan. 28; Gaz. vol. 186; p. 875.
- Hill, Abner, Warminster, assignor to Trier and Martin Limited, London, England. Dynamo-electric machine. No. 1,071,920; Sept. 2; Gaz. vol. 194; p. 86.
- Hill, Alfred, Cathlamet, Wash. Combination wrench and pipe-cutter. No. 1,075,649; Oct. 14; Gaz. vol. 195; p. 394.
- Hill, C. R., *et al.* (See Fischer, Siegfried, assignor.)
- Hill, Charles D., Rochester, assignor to Judd & Leland Mfg. Co., Clifton Springs, N. Y. Pump. No. 1,072,613; Sept. 9; Gaz. vol. 194; p. 351.
- Hill, Charles D., Evansville, Ind., assignor to Goodell & Hill, Beardstown, Ill. Pipe-stem. No. 1,081,929; Dec. 16; Gaz. vol. 197; p. 752.
- Hill, Charles W., *et al.* (See Maynard, Wyllys D., assignor.)
- Hill, Charles W., Wellsville, Kans. Cultivator attachment. No. 1,072,119; Sept. 2; Gaz. vol. 194; p. 154.
- Hill, Chester L. (See Knowles, Edwin B., assignor.)
- Hill, Chester L., Lancaster, Pa. Equalizing roll-polishing device. No. 1,059,363; Apr. 22; Gaz. vol. 189; p. 796.
- Hill, Claudins M. (See Francisco, George T., assignor.)
- Hill Cotton Compress Co. (See Hill, William, assignor.)
- Hill, Ebenezer, Norwalk, Conn. Thermal control for air-compressors. No. 1,068,432; July 29; Gaz. vol. 192; p. 1006.
- Hill, Ebenezer, Norwalk, Conn. Air-compressor. No. 1,080,063; Dec. 2; Gaz. vol. 197; p. 51.
- Hill, Elmer W., Portland, Oreg. Compound. No. 1,076,118; Oct. 21; Gaz. vol. 195; p. 582.
- Hill, Francis, Indianapolis, Ind. Stave-forming machine. No. 1,052,919; Feb. 11; Gaz. vol. 187; p. 400.
- Hill, George E. (See Hall, George F., assignor.)
- Hill, George R. (See Rook, William H., Jr., assignor.)
- Hill, George R., Portland, Oreg. Rope-grip device. No. 1,075,567; Oct. 14; Gaz. vol. 195; p. 365.
- Hill, George S., Stafford, N. H., assignor to United Shoe Machinery Company, Paterson, N. J. Buttonhole-sewing machine. No. 1,063,795; June 3; Gaz. vol. 191; p. 216.
- Hill, George S., Stafford, N. H., assignor to United Shoe Machinery Company, Paterson, N. J. Buttonhole-sewing machine. No. 1,063,880; June 3; Gaz. vol. 191; p. 242.
- Hill, George S., Stafford, N. H., assignor to United Shoe Machinery Company, Paterson, N. J. Buttonhole-finishing machine. No. 1,080,341; Dec. 2; Gaz. vol. 197; p. 148.
- Hill, George S., Stafford, N. H., assignor to United Shoe Machinery Company, Paterson, N. J. Sewing-machine. No. 1,080,343; Dec. 2; Gaz. vol. 197; p. 149.
- Hill, George S., Beverly, Mass., assignor to United Shoe Machinery Company, Paterson, N. J. Sewing-machine. No. 1,080,342; Dec. 2; Gaz. vol. 197; p. 149.
- Hill, Grover C., Owensboro, Ky. Vehicle-support. No. 1,054,545; Feb. 25; Gaz. vol. 187; p. 1035.
- Hill, Halbert P., New York, N. Y. Tobacco-working machine. No. 1,082,519; Dec. 30; Gaz. vol. 197; p. 1015.
- Hill, Harley, Ithaca, N. Y. Work-support. No. 1,056,100; Mar. 18; Gaz. vol. 188; p. 556.
- Hill, Harriet, New York, N. Y. Sanitary drinking-cup. No. 1,056,675; Mar. 18; Gaz. vol. 188; p. 753.
- Hill, Harvey E. (See Flint, Lewis R., assignor.)
- Hill, Henry, Phoenix, Ariz. Horse-collar. No. 1,054,546; Feb. 25; Gaz. vol. 187; p. 1036.
- Hill, Irving. (See Dixon, James F., assignor.)
- Hill, Irving, Wallace, Cal. Resilient fruit-crate. No. 1,074,323; Sept. 30; Gaz. vol. 194; p. 1030.
- Hill, J. J., *et al.* (See Colley, Frank, assignor.)
- Hill, James, Paignton, England. Fastener for bags, trunks, &c. No. 1,056,333; Mar. 18; Gaz. vol. 188; p. 634.
- Hill, James H., Fort Smith, Ark. Tuft-cleaning brush. No. 1,072,458; Sept. 9; Gaz. vol. 194; p. 297.
- Hill, James T., Gainesville, Ga. Adjustable harrow. No. 1,069,420; Aug. 5; Gaz. vol. 193; p. 117.
- Hill, John H. (See Olson, Rorem, and Hill.)
- Hill, John W., near Buford, N. D. Combined disk harrow and roller. No. 1,054,293; Feb. 25; Gaz. vol. 187; p. 948.
- Hill, Joseph P., Worcester, Mass. Clothes-drier. No. 1,060,254; Apr. 29; Gaz. vol. 189; p. 1137.
- Hill, Joshua A., assignor of one-half to G. W. Rogers, Essex, Ontario, Canada. Steering-fork for vehicles. No. 1,082,122; Dec. 23; Gaz. vol. 197; p. 847.
- Hill, Leonore C., Bethesda, Md. Combined clothing hanger and protector. No. 1,078,729; Nov. 18; Gaz. vol. 196; p. 577.
- Hill, Myron F., New Rochelle, N. Y., assignor to The M. B. Schenck Co. Caster. No. 1,070,960; Aug. 19; Gaz. vol. 193; p. 708.
- Hill, Oren, North Conway, N. H. Flying-machine. No. 1,062,007; May 20; Gaz. vol. 190; p. 568.
- Hill, Russell A., St. Thomas, Ontario, Canada. Copy-holder. No. 1,074,430; Sept. 30; Gaz. vol. 194; p. 1066.
- Hill, Samuel R., *et al.* (See Buckeye, George J., assignor.)
- Hill, Stephen T., Chicago, Ill. Emery-wheel guard. No. 1,071,049; Aug. 26; Gaz. vol. 193; p. 774.
- Hill, Walter A., Enderlin, N. D. Independent release attachment for self-binder trips. No. 1,051,227; Jan. 21; Gaz. vol. 186; p. 720.
- Hill, Wilfrid, Birmingham, England. Apparatus for effecting the vulcanizing operations and general repairs in connection with tires of motor road-vehicles and the like. No. 1,057,736; Apr. 1; Gaz. vol. 189; p. 116.
- Hill, William, assignor to Hill Cotton Compress Co., Ltd., Alexandria, La. Cotton-compress. No. 1,062,465; May 20; Gaz. vol. 190; p. 722.
- Hill, William B., Tucumcari, N. Mex. Operating device for station-indicators. No. 1,053,813; Feb. 18; Gaz. vol. 187; p. 749.
- Hill, William H., and A. M. Patch, Lebanon, Pa. Water-gage. No. 1,057,834; Apr. 1; Gaz. vol. 189; p. 150.
- Hillebrand, Hermann, Jr., Werdohl, Westphalia, Germany. Annealing apparatus. No. 1,064,481; June 10; Gaz. vol. 191; p. 485.
- Hillebrand, Hermann, Jr., Werdohl, Germany. Annealing apparatus. No. 1,073,235; Sept. 16; Gaz. vol. 194; p. 608.
- Hillegeist, Henry L., assignor to Alma Manufacturing Company of Baltimore City, Baltimore, Md. Trousers-hook and belt-supporter. No. 1,062,334; May 20; Gaz. vol. 190; p. 679.
- Hiller, Edwin J., Taylorville, Ill. Gutter-hanger. No. 1,076,367; Oct. 21; Gaz. vol. 195; p. 667.
- Hiller, Joseph L., Mattapoisett, Mass. Machine for crushing and pulverizing material. No. 1,051,887; Feb. 4; Gaz. vol. 187; p. 13.
- Hiller, Louis C., and F. I. Camp, Meriden, Conn. Gas-burner. No. 1,077,713; Nov. 4; Gaz. vol. 196; p. 161.
- Hiller, Nicolai H., Carbondale, Pa. Method of evaporation and apparatus therefor. No. 1,071,740; Sept. 2; Gaz. vol. 194; p. 24.
- Hilles, Samuel E., and B. V. Colburn, assignors to The Samuel C. Tatum Company, Cincinnati, Ohio. Drilling-machine. No. 1,082,866; Dec. 30; Gaz. vol. 197; p. 1138.
- Hillhouse, John G., Sylvester, Ga. Arch-supporter. No. 1,054,547; Feb. 25; Gaz. vol. 187; p. 1036.
- Hilliard, Foster H., Memphis, Tenn. Mixing device. No. 1,058,431; Apr. 8; Gaz. vol. 189; p. 402.
- Hilliard, Iredell, Georgetown, S. C. Paper-file. No. 1,064,646; June 10; Gaz. vol. 191; p. 539.
- Hilliard, John D., Albany, N. Y. Electric insulator. No. 1,069,782; Aug. 12; Gaz. vol. 193; p. 268.
- Hilliard, John D., Albany, N. Y., assignor to New England Metal & Machine Company, Boston, Mass. Smelting metals. No. 1,080,344; Dec. 2; Gaz. vol. 197; p. 150.
- Hilliard, John D., Jr., and C. E. Parsons, Glens Falls, N. Y. Lightning-arrester. No. 1,061,671; May 13; Gaz. vol. 190; p. 418.
- Hilliard, Thomas W. N., Toronto, Ontario, Canada. Centrifugal or turbine pump. No. 1,059,994; Apr. 29; Gaz. vol. 189; p. 1049.
- Hillman, Earl A. (See Lovett, Morris J., assignor.)
- Hills, Ernest E., assignor of one-third to H. B. Blue, Medina, Wis. Life-saving device. No. 1,081,115; Dec. 9; Gaz. vol. 197; p. 442.
- Hills, George, Westfield, N. J. Electrode-holder. No. 1,069,697; Aug. 12; Gaz. vol. 193; p. 239.
- Hills, George, Westfield, N. J., assignor to C. & C. Electric & Manufacturing Company. Combination metallic and carbon electrode holder. No. 1,053,392; Feb. 18; Gaz. vol. 187; p. 606.
- Hills, George L., Franklin, Ill. Automobile-whistle. No. 1,070,602; Aug. 19; Gaz. vol. 193; p. 592.
- Hills, L. W. (See Hills, William J., assignor.)

Alphabetical list of patentees—Continued.

- Hills-McCanna Co. (See Delaney, Thomas A., assignor.)
 Hills, William J., Waterford, assignor of one-half to L. W. Hills, Erie, Pa. Lamp-extinguisher. No. 1,058,366; Apr. 8; Gaz. vol. 189; p. 379.
 Hillwig, Samuel P. (See Bell and Hillwig.)
 Hilpert, George, Morgantown, W. Va. Sash-lock. No. 1,073,486; Sept. 16; Gaz. vol. 194; p. 696.
 Hilpert, Meier G. (See Cohen and Hilpert.)
 Hilscher, Ralph, Urbana, Ill. Chemical-feed device. No. 1,063,971; June 10; Gaz. vol. 191; p. 308.
 Hiltner, Lorenz, Munich, Germany. Destruction of animal and vegetable parasites in the soil. No. 1,070,808; Aug. 19; Gaz. vol. 193; p. 660.
 Hilton, Albertus A. (See Dehlin, August G., assignor.)
 Hilton, Charles F., Jonesboro, Tenn. Rail plate and anchor. No. 1,051,405; Jan. 28; Gaz. vol. 186; p. 814.
 Hilton, Charles G. and G. T., Rugby, and T. Main, Loughborough, assignors to Rotax Motor and Cycle Company, London, England. Stand or support for spare wheels, tires, and the like. No. 1,071,553; Aug. 26; Gaz. vol. 193; p. 941.
 Hilton, Fred, Manchester, England. Coin-freed stamping mechanism. No. 1,068,240; July 22; Gaz. vol. 192; p. 902.
 Hilton, George T. (See Hilton and Main.)
 Hilton, Jesse G., Mena, Ark. Oil-burner. No. 1,070,469; Aug. 19; Gaz. vol. 193; p. 546.
 Hilton, Roland C., assignor to National Coupling Manufacturing Company, Boston, Mass. Hose-coupling. No. 1,071,921; Sept. 2; Gaz. vol. 194; p. 87.
 Hilton, Walter E., Dunkirk, N. Y. Brick-mold-sanding machine. No. 1,053,993; Feb. 25; Gaz. vol. 187; p. 848.
 Hiltz, George S., assignor to The Stock Quotation Telegraph Company, New York, N. Y. Printing-telegraph receiver. No. 1,078,620; Nov. 18; Gaz. vol. 196; p. 537.
 Himes, James M. (See Davis, Benjamin F., assignor.)
 Himler, George W., North Latrobe, Pa. Combined rail-chair, splice-bar, and tie-plate. No. 1,079,242; Nov. 18; Gaz. vol. 196; p. 753.
 Himmel, Solomon. (See Miller, Andrew E., assignor.)
 Himmel, Solomon, Baltimore, Md. Display-rack. No. 1,075,035; Oct. 7; Gaz. vol. 195; p. 154.
 Hinchberger, Edward P., Pittsburgh, Pa. Trolley. No. 1,050,830; Jan. 21; Gaz. vol. 186; p. 583.
 Hinkley, Arthur T., Niagara Falls, N. Y., assignor to National Carbon Company, Cleveland, Ohio. Electric-furnace carbon electrode. No. 1,058,057; Apr. 8; Gaz. vol. 189; p. 270.
 Hinkley, Augustus C., Oakland Pier, Cal. Cleaner for gage and water-glass cocks. No. 1,069,013; July 29; Gaz. vol. 192; p. 1207.
 Hinkley, Henry D., assignor to J. B. Hart, Hartford, Conn. Switch. No. 1,052,920; Feb. 11; Gaz. vol. 187; p. 401.
 Hind & Harrison Plush Co., The. (See Hentschel, Augustin, assignor.)
 Hinde & Dauch Paper Company. (See Emmons, Frederick, assignor.)
 Hinde & Dauch Paper Company, The. (See Mitchell, Oliver, assignor.)
 Hinde & Dauch Paper Company, The. (See Morton, Lawrence D., assignor.)
 Hindley, John H. (See Roy and Hindley.)
 Hindman, Isaiah E., Crafton, assignor to The Duff Manufacturing Company, Pittsburgh, Pa. Lifting-jack. No. 1,052,921; Feb. 11; Gaz. vol. 187; p. 401.
 Hindman, Isaiah E., Crafton, assignor to The Duff Manufacturing Company, Pittsburgh, Pa. Lifting-jack. No. 1,054,413; Feb. 25; Gaz. vol. 187; p. 991.
 Hindmarsh, Percy J., Lincoln, Nebr. Silo. No. 1,050,022; Jan. 7; Gaz. vol. 186; p. 238.
 Hinds, James J., and M. R. Wright, Wall Lake, Iowa. Holder for disks and colters for use when they are being sharpened. No. 1,073,487; Sept. 16; Gaz. vol. 194; p. 696.
 Hinds, Jesse L., and J. J. Dossert, assignors to Crouse-Hinds Company, Syracuse, N. Y. Electrical coupling. No. 1,057,428; Apr. 1; Gaz. vol. 189; p. 12.
 Hinds, Jesse L., and J. J. Dossert, assignors to Crouse-Hinds Company, Syracuse, N. Y. Electrical coupling. No. 1,071,617; Aug. 26; Gaz. vol. 193; p. 962.
 Hinds, Ozro H., Le Mars, Iowa. Spring-wheel. No. 1,063,161; May 27; Gaz. vol. 190; p. 993.
 Hinds, Peter J., and E. S. Ferris, Holyoke, Mass. Doffing-wire. No. 1,067,815; July 22; Gaz. vol. 192; p. 756.
 Hinds, William A., Hartford, Conn., assignor of one-half to S. H. Hoverter and one-half to H. E. Eberly, Reading, Pa. Apparatus for repairing tires. No. 1,068,653; July 29; Gaz. vol. 192; p. 1082.
 Hinds, William A., assignor of one-half to S. H. Hoverter and one-half to H. E. Eberly, Reading, Pa. Expander for tire-vulcanizers. No. 1,068,654; July 29; Gaz. vol. 192; p. 1082.
 Hine, Henry C., assignor to The Traut & Hine Manufacturing Company, New Britain, Conn. Suspenders. No. 1,065,900; June 24; Gaz. vol. 191; p. 1032.
 Hine, James W., Jamestown, N. Y. Library-shelving. No. 1,059,464; Apr. 22; Gaz. vol. 189; p. 831.
 Hinemeyer, Charles H. (See Dole and Hinemeyer.)
 Hiner, Milo B., Alexandria, S. D. Spring stanchion-lock. No. 1,071,318; Aug. 26; Gaz. vol. 193; p. 863.
 Hines, Edwin G., Drums, Pa. Lamp-support. No. 1,065,609; June 24; Gaz. vol. 191; p. 934.
 Hines, Edwin G., Drums, Pa. Dish-drainer. No. 1,074,173; Sept. 30; Gaz. vol. 194; p. 981.
 Hines, James F. (See Neuberger and Hines.)
 Hines, John, St. Leonards-on-Sea, England. Apparatus for treating road-making material. No. 1,049,581; Jan. 7; Gaz. vol. 186; p. 91.
 Hines, John A. (See Phipps, John H., assignor.)
 Hines, John S., Portland, Ind. Vehicle-wheel. No. 1,052,250; Feb. 4; Gaz. vol. 187; p. 141.
 Hines, William J., assignor of one-fourth to M. M. Connors and one-fourth to A. E. Rothlisberger, Grant Town, W. Va. Coal-boring machine. No. 1,060,840; May 6; Gaz. vol. 190; p. 95.
 Hines, William J., and W. F. Hicks, assignors to Puritan Comb Company, Leominster, Mass. Barrette. No. 1,077,345; Nov. 4; Gaz. vol. 196; p. 37.
 Hiniker, Benjamin F., Maricopa, Cal. Means for holding pipe. No. 1,051,585; Jan. 28; Gaz. vol. 186; p. 875.
 Hink, Joseph, et al. (See Thomas, John, assignor.)
 Hink, Lawrence, et al. (See Thomas, John, assignor.)
 Hinkel, Christian, Berlin, Germany. Igniter. No. 1,066,902; July 8; Gaz. vol. 192; p. 376.
 Hinkle, Horace H., Grandfield, Okla. Combination mop-holder and rake. No. 1,075,568; Oct. 14; Gaz. vol. 195; p. 365.
 Hinkle, Max H., assignor of one-half to G. E. Fritz, Blackhawk, Colo. Poultry-feeder. No. 1,078,094; Nov. 11; Gaz. vol. 196; p. 325.
 Hinkle, Max H., and G. E. Fritz, Blackhawk, Colo. Poultry-feeder. No. 1,067,338; July 15; Gaz. vol. 192; p. 562.
 Hinkley, Charles F., Mount Iron, Minn. Steam-shovel mechanism. No. 1,056,676; Mar. 18; Gaz. vol. 188; p. 753.
 Hinkley, Frank H., Erie, and H. E. Johnson, Kane, Pa. Means for lubricating journal-boxes. No. 1,070,257; Aug. 12; Gaz. vol. 193; p. 431.
 Hinman, Charles. (See Lewis and Hinman.)
 Hinman, Orin H., Kensington, Kans. Tapping device. No. 1,065,248; June 17; Gaz. vol. 191; p. 773.
 Hinrichs, John R., Macomb, Ill. Hay-tedder. No. 1,055,908; Mar. 11; Gaz. vol. 188; p. 457.
 Hinson, George E., Atlanta, Ga. Tire-armor. No. 1,071,741; Sept. 2; Gaz. vol. 194; p. 25.
 Hinson, Joseph E. (See Brady and Hinson.)
 Hintz, John G., Jr. (See Gray and Hintz.)
 Hintz, Otto E., Bellevue, Iowa. Measuring the energy of engines within the cylinder. No. 1,053,393; Feb. 18; Gaz. vol. 187; p. 606.
 Hinz, Julius C., Detroit, Mich. Oil-burner. No. 1,062,280; May 20; Gaz. vol. 190; p. 661.
 Hinz, William H., Chicago, Ill. Soap-dish. No. 1,062,827; May 27; Gaz. vol. 190; p. 883.
 Hipkins, Stephen, Martins Ferry, Ohio. Resilient wheel. No. 1,054,118; Feb. 25; Gaz. vol. 187; p. 889.
 Hipkins, William E., deceased, Soho Foundry, near Birmingham; J. B. Carslake and A. H. Gibson, Birmingham, England, executors. Automatic weighing apparatus. No. 1,066,614; July 8; Gaz. vol. 192; p. 277.
 Hipkiss, Samuel, Stoneham, Mass. Foot-ball helmet. No. 1,080,690; Dec. 9; Gaz. vol. 197; p. 298.
 Hipple, Ritter, Williamsport, Pa. Switch-box. No. 1,056,677; Mar. 18; Gaz. vol. 188; p. 753.
 Hipsley, John R., Mountain Lake Park, Md. Nut-lock. No. 1,081,741; Dec. 16; Gaz. vol. 197; p. 688.
 Hird, Charles W., et al. (See Propson, Harry E., assignor.)
 Hirdler, Fairbanks C., Oklahoma, Okla. Elapsed-time electric signal. No. 1,051,228; Jan. 21; Gaz. vol. 186; p. 720.
 Hires, Lucius E. (See Davies, William H., assignor.)
 Hirner, Emil A., Allentown, Pa., assignor to Novelty Hosiery Company. Vertically-striped seamless hosiery. No. 1,062,910; May 27; Gaz. vol. 190; p. 911.
 Hirner, Emil A., Allentown, Pa., assignor to Novelty Hosiery Company. Thread-changing mechanism for knitting-machines. No. 1,062,911; May 27; Gaz. vol. 190; p. 911.
 Hirsch, Frank, assignor to Jarecki Manufacturing Company, Erie, Pa. Screw-cutting machine. No. 1,064,218; June 10; Gaz. vol. 191; p. 394.
 Hirsch, Frank, assignor to Jarecki Manufacturing Company, Erie, Pa. Screw-cutting machine. No. 1,064,220; June 10; Gaz. vol. 191; p. 395.
 Hirsch, Frank, and J. J. Bemer, assignors to Jarecki Manufacturing Company, Erie, Pa. Screw-cutting machine. No. 1,064,219; June 10; Gaz. vol. 191; p. 394.
 Hirsch, Hiram H., Philadelphia, Pa. Portable electric-lighting system. No. 1,055,746; Mar. 11; Gaz. vol. 188; p. 402.
 Hirsch, Hiram H., Philadelphia, Pa. Portable electric-lighting apparatus. No. 1,075,973; Oct. 14; Gaz. vol. 195; p. 503.
 Hirsch, Louis, Evergreen, N. Y. Making hosiery. No. 1,052,723; Feb. 11; Gaz. vol. 187; p. 330.

Alphabetical list of patentees—Continued.

- Hirsch, Montefiore L., and G. W. Blackstock, Baltimore, Md., assignors, by mesne assignments, to said Hirsch. Paper-bag machine. No. 1,053,947; Feb. 18; Gaz. vol. 187; p. 795.
- Hirsch, Nicholas E., Wilmington, Del. Truck. No. 1,065,526; June 24; Gaz. vol. 191; p. 905.
- Hirsch, Richard, assignor to Dr. Erich F. Huth, G. m. b. H., Berlin, Germany. Wave-meter. No. 1,064,325; June 10; Gaz. vol. 191; p. 430.
- Hirschberg, Hermann M. (See Caird, Harry, assignor.)
- Hirschberg, John A., and J. W. Hartlieb, New York, N. Y. Blue-print frame. No. 1,075,913; Oct. 14; Gaz. vol. 195; p. 483.
- Hirschfeld, Alfred P. (See Hubbard and Hirschfeld.)
- Hirschfeld, Frederick S., New York, N. Y. Packing for stuffing-boxes. No. 1,076,119; Oct. 21; Gaz. vol. 195; p. 582.
- Hirschfeld, Morris, assignor to E-Z Walk Mfg. Co., New York, N. Y. Combined arch-support and ankle-straightener. No. 1,053,600; Feb. 18; Gaz. vol. 187; p. 679.
- Hirsh, Fred, New Haven, Conn. Clasp. No. 1,081,501; Dec. 16; Gaz. vol. 197; p. 611.
- Hirsh, Julian. (See Elder, William S., assignor.)
- Hirsh, Julius. (See Elder, William S., assignor.)
- Hirst, Edwin P. (See Bayuk and Hirst.)
- Hirst, Edwin P., Philadelphia, Pa. Display device. No. 1,080,108; Dec. 2; Gaz. vol. 197; p. 67.
- Hirst, Richard, Philadelphia, Pa. Woven pile fabric. No. 1,064,482; June 10; Gaz. vol. 191; p. 485.
- Hirt, Jules H., Nashua, N. H., assignor, by mesne assignments, to Allis-Chalmers Company, Milwaukee, Wis. Gas-producer. No. 1,064,905; June 17; Gaz. vol. 191; p. 659.
- Hirt, Jules H., El Paso, Tex., assignor, by mesne assignments, to Allis-Chalmers Company, Milwaukee, Wis. Gas-producer. No. 1,064,906; June 17; Gaz. vol. 191; p. 660.
- Hirth, Carl A., Cannstatt, Stuttgart, Germany. Micrometer-gage. No. 1,049,860; Jan. 7; Gaz. vol. 186; p. 184.
- Hirth, Carl A., Cannstatt, near Stuttgart, Germany. Feed device for grinding-machines for ball-bearings. No. 1,055,043; Mar. 4; Gaz. vol. 188; p. 133.
- Hirth, Carl A., Cannstatt, near Stuttgart, Germany. Device for accelerating the feed of ball-bearing balls to grinding-machines. No. 1,061,241; May 6; Gaz. vol. 190; p. 233.
- Hiscock, Alfred O., Palatka, Fla. Combined muffler and oil-gas producer. No. 1,078,353; Nov. 11; Gaz. vol. 196; p. 416.
- Hiscock, Emory C., assignor to W. W. Kimball Company, Chicago, Ill. Exhaust-regulating valve for pneumatic player-actions. No. 1,051,406; Jan. 28; Gaz. vol. 186; p. 814.
- Hiscock, Emory C., assignor to W. W. Kimball Company, Chicago, Ill. Music-roll. No. 1,051,407; Jan. 28; Gaz. vol. 186; p. 814.
- Hiscock, Ernest J., Hythe, England. Magazine for miniature ammunition for rifles. No. 1,074,948; Oct. 7; Gaz. vol. 195; p. 122.
- Hiser, Jacob F., Dundee, Mich. Acetylene-gas generator. No. 1,071,233; Aug. 26; Gaz. vol. 193; p. 835.
- Hisey, Isaac K. (See Brooks and Hisey.)
- Hiskins, Montague S. (See Hiskins, Stanley A., R. A., and M. S.)
- Hiskins, Ralph A. (See Hiskins, Stanley A., R. A., and M. S.)
- Hiskins, Stanley A., R. A., and M. S., Saltley, Birmingham, England. Means for securing ladies' hats. No. 1,068,053; July 22; Gaz. vol. 192; p. 837.
- Hist, John, assignor to The Dunham Co., Berea, Ohio. Combined land-roller and harrow. No. 1,069,660; Aug. 5; Gaz. vol. 193; p. 196.
- Hist, John, Alliance, assignor to The Dunham Company, Berea, Ohio. Land roller or pulverizer. No. 1,082,806; Dec. 30; Gaz. vol. 197; p. 1118.
- Hitaka, Yeizaburo. (See Yamamoto, Takejiro, assignor.)
- Hitchcock, Fanny R. M., Bellvale, N. Y. Food compound for promoting the rapid growth of poultry. No. 1,066,615; July 8; Gaz. vol. 192; p. 278.
- Hitchcock, Forrest L., assignor of one-half to E. R. Templeton, Indianapolis, Ind. Gasolene-filter trap. No. 1,062,236; May 20; Gaz. vol. 190; p. 646.
- Hitchcock, Frank H. (See Dolbear, Clinton E., assignor.)
- Hitchcock, Halbert K., Tarentum, Pa. Apparatus for applying abrasives to grinding apparatus. No. 1,056,415; Mar. 18; Gaz. vol. 188; p. 662.
- Hitchcock, Halbert K., Tarentum, Pa. Applying abrasives to grinding apparatus. No. 1,056,416; Mar. 18; Gaz. vol. 188; p. 662.
- Hitchcock, Halbert K., Tarentum, Pa. Apparatus for applying abrasives to grinding-machines. No. 1,077,982; Nov. 11; Gaz. vol. 196; p. 286.
- Hitchcock, John F., New York, N. Y. Merchandise-receptacle. No. 1,053,601; Feb. 18; Gaz. vol. 187; p. 679.
- Hitchcock, Minor L., Los Angeles, Cal. Baking cones. No. 1,062,157; May 20; Gaz. vol. 190; p. 620.
- Hitchcock, Minor L., Los Angeles, Cal. Baking device. No. 1,073,126; Sept. 16; Gaz. vol. 194; p. 569.
- Hitchcock, Olga M., Dallas, Tex. Disinfecting device. No. 1,063,684; June 3; Gaz. vol. 191; p. 179.
- Hite, Charles E., Burlington, N. J., assignor of one-half to W. Pincus, Philadelphia, Pa. Sulfur compound and making. No. 1,068,769; July 29; Gaz. vol. 192; p. 1122.
- Hites, Albert D., and H. R. Van Gorder, Ellwood City, Pa. Bottle-stopper. No. 1,062,972; May 27; Gaz. vol. 190; p. 931.
- Hiteshew, Alton E. (See Gettys and Hiteshew.)
- Hiteshew, Harvey B., Pittsburgh, Pa. Combined sink and laundry-tray. No. 1,069,698; Aug. 12; Gaz. vol. 193; p. 239.
- Hitner, Harry F., Mount Vernon, Ohio, assignor to Pittsburgh Plate Glass Company, Pittsburgh, Pa. Bait for drawing glass articles. No. 1,057,056; Mar. 25; Gaz. vol. 188; p. 915.
- Hitzmann, Rudolf V., Clafin, Kans. Envelop-fastener. No. 1,079,598; Nov. 25; Gaz. vol. 196; p. 907.
- Hitt, John E., Goodlettsville, Tenn. Ratchet-wrench. No. 1,060,185; Apr. 29; Gaz. vol. 189; p. 1113.
- Hitt, Richard F., Champaign, Ill. Railway-crossing. No. 1,049,861; Jan. 7; Gaz. vol. 186; p. 185.
- Hitzemann, Herman W., Roselle, Ill. Frame-adjusting mechanism. No. 1,070,129; Aug. 12; Gaz. vol. 193; p. 387.
- Hitzl, Carl, Tarpey, Cal. Sliding-door catch. No. 1,064,326; June 10; Gaz. vol. 191; p. 430.
- Hively, David W., Seattle, Wash. Comb. No. 1,057,549; Apr. 1; Gaz. vol. 189; p. 52.
- Hix, Galen F., assignor of one-half to himself and one-half to B. H. Kitchen, Portland, Me. Car-seal. No. 1,063,261; June 3; Gaz. vol. 191; p. 31.
- Hix, John D., *et al.* See Ross, James T., assignor.)
- Hix, Samuel C., Hot Springs, Ark. Hydrocarbon-burner. No. 1,066,496; July 8; Gaz. vol. 192; p. 236.
- Hixon, Arthur C., Philadelphia, Pa. Wagon-shaft holder. No. 1,064,483; June 10; Gaz. vol. 191; p. 486.
- Hixon Automatic Valve Company. (See Hixon, Edward, assignor.)
- Hixon Automatic Valve Company. (See Hixon and Stauber, assignors.)
- Hixon, Edward, assignor to Hixon Automatic Valve Company, Chicago, Ill. Automatic shut-off. No. 1,058,238; Apr. 8; Gaz. vol. 189; p. 333.
- Hixon, Edward, and E. S. Parker, Chicago, Ill. Apparatus for treating water. No. 1,077,406; Nov. 4; Gaz. vol. 196; p. 59.
- Hixon, Edward, and C. J. Stauber, assignors to Hixon Automatic Valve Company, Chicago, Ill. Water-meter. No. 1,070,470; Aug. 19; Gaz. vol. 193; p. 546.
- Hixson, John F., Ypsilanti, Mich. Adjustable hinge. No. 1,067,114; July 8; Gaz. vol. 192; p. 448.
- Hixson, R. G., *et al.* (See Patrick, James H., assignor.)
- Hizó, Imre, New York, N. Y. Elevator safety device. No. 1,059,730; Apr. 22; Gaz. vol. 189; p. 918.
- Hjort, Axel F., assignor to The Brunswick-Balke-Collender Co., Chicago, Ill. Combined davenport and billiard-table. No. 1,077,276; Nov. 4; Gaz. vol. 196; p. 11.
- Hjort, Vilhelm F. (See Lassen and Hjort.)
- Hjorth, Henry J., Cambridge, assignor to O. E. Carlson, Ashmont, Mass. Lantern-holder for boats. No. 1,060,186; Apr. 29; Gaz. vol. 189; p. 1113.
- Hjorth, Oscar B., Sandwich, Ill. Substation selective apparatus. No. 1,072,459; Sept. 9; Gaz. vol. 194; p. 297.
- Hlavati, Faustin, Berlin, Germany. Treating sugar liquors. No. 1,054,414; Feb. 25; Gaz. vol. 187; p. 992.
- Hlavati, Faustin, Vienna, Austria-Hungary. Synthetically preparing ammonia and other compounds containing nitrogen and hydrogen. No. 1,079,705; Nov. 25; Gaz. vol. 196; p. 942.
- Hlavitz, Joseph R., Baltimore, Md. Domestic air-tight cooking vessel. No. 1,059,159; Apr. 15; Gaz. vol. 189; p. 690.
- Hluchý, Libor, Příbram, assignor to J. Ritter, née Mertens, Vienna, Austria-Hungary. Lacing-holder. No. 1,068,241; July 22; Gaz. vol. 192; p. 902.
- Hoadley, Alfred H., Providence, R. I. Fuel-pump for internal-combustion engines. No. 1,080,216; Dec. 2; Gaz. vol. 197; p. 104.
- Hoadley, Alfred H., Providence, R. I. Tractor system for motor-vehicles. No. 1,080,447; Dec. 2; Gaz. vol. 197; p. 186.
- Hoag, Arthur W. (See Stacy and Hoag.)
- Hoag, George B., Cleveland, Ohio. Sheet-piling. No. 1,052,251; Feb. 4; Gaz. vol. 187; p. 141.
- Hoagland, Frank O., assignor to The Union Metallic Cartridge Company, Bridgeport, Conn. Loaded paper shell. No. 1,057,646; Apr. 1; Gaz. vol. 189; p. 86.
- Hoagland, Frank O., assignor to Union Metallic Cartridge Company, Bridgeport, Conn. Paper-tube shot-shell. No. 1,064,907; June 17; Gaz. vol. 191; p. 660.
- Hoagland, Frank O., assignor to The Union Metallic Cartridge Company, Bridgeport, Conn. Mushroom-bullet. No. 1,071,742; Sept. 2; Gaz. vol. 194; p. 25.
- Hoagland, Frank O., assignor to The Union Metallic Cartridge Company, Bridgeport, Conn. Tubular carrier. No. 1,073,348; Sept. 16; Gaz. vol. 194; p. 649.
- Hoagland, Frank O., assignor to The Union Metallic Cartridge Company, Bridgeport, Conn. Mushroom-bullet. No. 1,073,349; Sept. 16; Gaz. vol. 194; p. 650.

Alphabetical list of patentees—Continued.

- Hoagland, Frank O., assignor to The Union Metallic Cartridge Company, Bridgeport, Conn. Device for opening tubular carriers. No. 1,082,867; Dec. 30; Gaz. vol. 197; p. 1139.
- Hoagland, Peter J. W., *et al.* (See Smay, Joseph B., Jr., assignor.)
- Hoak, George B., Pittsburgh, Pa. Rail-tie. No. 1,056,902; Mar. 25; Gaz. vol. 188; p. 861.
- Hoar, James B., Scranton, Pa. Locomotive-tender. No. 1,080,969; Dec. 9; Gaz. vol. 197; p. 397.
- Hoard, Jesse B., Sparta, Nebr. Wire-distributing device. No. 1,054,919; Mar. 4; Gaz. vol. 188; p. 90.
- Hoban, Albert G., and R. L. Marquis, Dayton, Ohio. Electric lamp. No. 1,074,949; Oct. 7; Gaz. vol. 195; p. 122.
- Hobart, Darwin, assignor of one-half to F. J. Goodwine, West Lebanon, Ind. Weighing-scoop for scales. No. 1,061,841; May 13; Gaz. vol. 190; p. 470.
- Hobart Electric Manufacturing Company, The. (See Johnston, Herbert L., assignor.)
- Hobart M. Cable Company, The. (See Peck, Frank, assignor.)
- Hobbs, Arthur H., assignor to R. E. Voorhees, Spokane, Wash. Self-locking fuel-chute. No. 1,083,014; Dec. 30; Gaz. vol. 197; p. 1189.
- Hobbs, Daniel R., Oklahoma, Okla. Mold for cement posts. No. 1,069,421; Aug. 5; Gaz. vol. 193; p. 117.
- Hobbs, Elbert R., Buhl, Idaho. Telephone system. No. 1,051,109; Jan. 21; Gaz. vol. 186; p. 682.
- Hobbs, James J., Mathis, Tex. Card game. No. 1,060,900; May 6; Gaz. vol. 190; p. 117.
- Hobbs, John O., Chicago, Ill. Starting device for explosive-engines. No. 1,076,120; Oct. 21; Gaz. vol. 195; p. 582.
- Hobbs, Oliver P. (See Gates and Hobbs.)
- Hobbs, Theodore A., Utica, N. Y. Belt-guide. No. 1,068,242; July 22; Gaz. vol. 192; p. 902.
- Hobbs, Willis F., Bridgeport, Conn. Making nail-extractor jaws. No. 1,080,278; Dec. 2; Gaz. vol. 197; p. 126.
- Hobbs, Willis F., Bridgeport, Conn. Combined nail-puller and scraper. No. 1,082,952; Dec. 30; Gaz. vol. 197; p. 1168.
- Hobbs, Willis F., assignor to The Bridgeport Hardware Manufacturing Corporation, Bridgeport, Conn. Attaching tool-shanks to handles. No. 1,071,618; Aug. 26; Gaz. vol. 193; p. 963.
- Hoberg, Frank H. (See Hudson, David W., assignor.)
- Hobling, Ernest H., Leyton, England. Construction of blinds or screens. No. 1,083,096; Dec. 30; Gaz. vol. 197; p. 1216.
- Hobson, John H., assignor of one-half to S. P. Austin, Denning, Ark. Combination-lock. No. 1,054,769; Mar. 4; Gaz. vol. 188; p. 40.
- Hobson, John H., and W. F. Lackner, Pittsburgh, Pa. Curtain pole and fixture. No. 1,067,985; July 22; Gaz. vol. 192; p. 813.
- Hobson, John S., and L. F. Howard, Edgewood Park, assignors to The Union Switch & Signal Company, Swissvale, Pa. Railway signaling system. No. 1,070,130; Aug. 12; Gaz. vol. 193; p. 387.
- Hobson, William F. (See Arning and Hobson.)
- Hoch, Franz, Frankfurt-on-the-Main, Germany. Rail-joint. (Reissue.) No. 13,616; Sept. 16; Gaz. vol. 194; p. 729.
- Hoch, Otto M., assignor to M. D. Knowlton Company, Rochester, N. Y. Scoring and other sheet-working machine. No. 1,060,681; May 6; Gaz. vol. 190; p. 40.
- Hochenauer, Joseph, Pueblo, Colo. Packing-machine. No. 1,081,742; Dec. 16; Gaz. vol. 197; p. 688.
- Hocher, John O., Clinton, Wis. Cream-cooler. No. 1,074,361; Sept. 30; Gaz. vol. 194; p. 1043.
- Hochgesand, Jean N., Paris, France. Lubricating-pump. No. 1,051,888; Feb. 4; Gaz. vol. 187; p. 14.
- Höchner, Hans, assignor to Maschinenfabrik Augsburg-Nürnberg A. G., Augsburg, Germany. Printing-press. No. 1,067,026; July 8; Gaz. vol. 192; p. 417.
- Hochstetter, Frederick W., New York, N. Y., assignor to H. P. Patents and Processes Company, Inc. Stage-scenery apparatus. No. 1,080,691; Dec. 9; Gaz. vol. 197; p. 299.
- Hochstetter, Frederick W., New York, N. Y., assignor to H. P. Patents and Processes Company, Inc. Shiftable screen for moving pictures. No. 1,080,692; Dec. 9; Gaz. vol. 197; p. 299.
- Hochstetter, Robert, Cincinnati, Ohio. Pigment. No. 1,052,145; Feb. 4; Gaz. vol. 187; p. 104.
- Hochstetter, Robert W., Cincinnati, Ohio. Color-comparer. No. 1,070,891; Aug. 19; Gaz. vol. 193; p. 686.
- Hock, John A., assignor to The National Tube Company, Pittsburgh, Pa. Multiple-disk cutting-off machine. No. 1,061,940; May 13; Gaz. vol. 190; p. 504.
- Hockenbary, Earl, Hampton, Nebr. Corn-busker. No. 1,068,655; July 29; Gaz. vol. 192; p. 1083.
- Hockensmith, Franklin C., Pittsburgh, assignor to Hockensmith Wheel & Mine Car Company, Penn Station, Pa. Mine-car wheel. No. 1,061,746; May 13; Gaz. vol. 190; p. 443.
- Hockensmith, Franklin C., Pittsburgh, assignor to Hockensmith Wheel & Mine Car Company, Penn Station, Pa. Roller-bearing for mine-car wheels. No. 1,066,276; July 1; Gaz. vol. 192; p. 133.
- Hockensmith Wheel & Mine Car Company. (See Hockensmith, Franklin C., assignor.)
- Hockett, Frank C. (See Shakley, Samuel D., assignor.)
- Hockett, John, Wabash, Ind. Screen-door. No. 1,060,456; Apr. 29; Gaz. vol. 189; p. 1209.
- Hodapp, John B., Mankato, Minn. Furnace. No. 1,068,902; July 29; Gaz. vol. 192; p. 1171.
- Hodgdon, Walter E., Portland, Me. Faucet. No. 1,082,329; Dec. 23; Gaz. vol. 197; p. 921.
- Hodge, Arthur J., Pasadena, assignor to O. W. Harris, Redlands, Cal. Receptacle-forming machine. No. 1,064,327; June 10; Gaz. vol. 191; p. 431.
- Hodge, Howard D., Waltham Abbey, England, assignor to Nobel's Explosives Company, Limited, Glasgow, Scotland. Cartridge-making machine. No. 1,073,127; Sept. 16; Gaz. vol. 194; p. 570.
- Hodge, Howard D., Waltham Abbey, England, assignor to Nobel's Explosives Company, Limited, Glasgow, Scotland. Machine for cannelluring, trimming, and gaging cartridge-cases. No. 1,079,706; Nov. 25; Gaz. vol. 196; p. 942.
- Hodge, James W., and H. E. La Plant, Kennet, Cal. Artificial leg. No. 1,049,862; Jan. 7; Gaz. vol. 186; p. 185.
- Hodge, Robert O., Buffalo, N. Y., assignor to Diamond Power Specialty Company, Detroit, Mich. Boiler-tube cleaner. No. 1,065,527; June 24; Gaz. vol. 191; p. 905.
- Hodge, Sidney J., Orting, Wash. Animal-trap. No. 1,068,400; July 22; Gaz. vol. 192; p. 956.
- Hodge, William B. (See Cramer and Hodge.)
- Hodge, William B., Charlotte, N. C. Apparatus for indicating and regulating humidity. No. 1,080,109; Dec. 2; Gaz. vol. 197; p. 67.
- Hodges, Arthur, and F. Cooper, Yeovil, England. Machine for working leather. No. 1,077,346; Nov. 4; Gaz. vol. 196; p. 37.
- Hodges, Edward R., assignor of one-half to T. Bemis, Indianapolis, Ind. Gas-flame spreader. No. 1,069,783; Aug. 12; Gaz. vol. 193; p. 269.
- Hodges, Horace F., Philadelphia, Pa. Thermal water purification. No. 1,060,901; May 6; Gaz. vol. 190; p. 117.
- Hodges, John W., Westpoint, Nebr. Fly-trap. No. 1,075,102; Oct. 7; Gaz. vol. 195; p. 176.
- Hodges, Lloyd E., Covina, Cal. Circuit-breaker. No. 1,054,845; Mar. 4; Gaz. vol. 188; p. 67.
- Hodges, Squire C. (See Freeman, John W., assignor.)
- Hodges, William H., assignor, by mesne assignments, to Thomson Electric Welding Company, Lynn, Mass. Electrically welding chain-links. No. 1,072,614; Sept. 9; Gaz. vol. 194; p. 351.
- Hodges, William J., Atlanta, Ga. Sound-reproducing machine. No. 1,069,784; Aug. 12; Gaz. vol. 193; p. 269.
- Hodgkins, Frederick H., Chicago, Ill. Textile-sewing machine. No. 1,052,481; Feb. 11; Gaz. vol. 187; p. 251.
- Hodgkinson, Edwin, assignor to Taylor Instrument Companies, Rochester, N. Y. Pen-arm-adjusting mechanism for recording instruments. No. 1,060,761; May 6; Gaz. vol. 190; p. 67.
- Hodgkinson, Edwin, assignor to Taylor Instrument Companies, Rochester, N. Y. Indicator and recorder. No. 1,063,349; June 3; Gaz. vol. 191; p. 61.
- Hodgkinson, Francis, Edgewood Park, assignor, by mesne assignments, to The Colonial Trust Company, trustee, Pittsburgh, Pa. Supporting means for turbines. No. 1,061,672; May 13; Gaz. vol. 190; p. 418.
- Hodgkinson, Francis, Edgewood Park, assignor, by mesne assignments, to The Colonial Trust Company, trustee, Pittsburgh, Pa. Marine turbine. No. 1,061,673; May 13; Gaz. vol. 190; p. 419.
- Hodgkinson, Francis, Edgewood Park, assignor, by mesne assignments, to The Colonial Trust Company, trustee, Pittsburgh, Pa. Fluid-pressure motor. No. 1,062,098; May 20; Gaz. vol. 190; p. 599.
- Hodgkinson, Francis, Edgewood Park, assignor, by mesne assignments, to The Colonial Trust Company, trustee, Pittsburgh, Pa. Packing. No. 1,070,809; Aug. 19; Gaz. vol. 193; p. 660.
- Hodgkinson, Francis, Edgewood Park, assignor, by mesne assignments, to The Colonial Trust Company, trustee, Pittsburgh, Pa. Means for bleeding turbines for industrial purposes. No. 1,071,420; Aug. 26; Gaz. vol. 193; p. 898.
- Hodgkinson, Francis, Edgewood Park, Pa., assignor to The Westinghouse Machine Company. Blade-securing means. No. 1,073,987; Sept. 23; Gaz. vol. 194; p. 891.
- Hodgkinson, Francis, Edgewood Park, and W. A. Bole, assignors, by mesne assignments, to The Colonial Trust Company, trustee, Pittsburgh, Pa. Elastic-fluid turbine. No. 1,050,136; Jan. 14; Gaz. vol. 186; p. 311.
- Hodgkinson, James, Manchester, assignor to J. F. Seacombe, East Ham, Essex, England. Precipitating salt. No. 1,065,128; June 17; Gaz. vol. 191; p. 733.
- Hodgkinson, Percy W., assignor of one-half to J. C. Lombard, Rochester, N. Y. Engine-starter. No. 1,056,417; Mar. 18; Gaz. vol. 188; p. 663.

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- Hodgkinson, Percy W., assignor of one-half to J. C. Lombard, Rochester, N. Y. Engine-starter. No. 1,066,014; July 1; Gaz. vol. 192; p. 38.
- Hodgkinson, Percy W., assignor to F. F. Dorsey, Rochester, N. Y. Strap-fastener. No. 1,069,950; Aug. 12; Gaz. vol. 193; p. 326.
- Hodgkinson, Thomas G., county of Chester, England, and W. Hodgkinson, Calcutta, India. Apparatus for indicating the direction whence sound travels. No. 1,075,103; Oct. 7; Gaz. vol. 195; p. 177.
- Hodgkinson, William. (See Hodgkinson, Thomas G. and W.)
- Hodgman, Willis K., assignor to Huber Hodgman Printing Press Co., Taunton, Mass. Bed-motion for printing-presses. No. 1,066,412; July 1; Gaz. vol. 192; p. 176.
- Hodkinson, Frank C., assignor to Safety Armored Conduit Company, Pittsburgh, Pa. Conduit for electric wires. No. 1,055,173; Mar. 4; Gaz. vol. 188; p. 174.
- Hodson, Walter D. (See Russell, Henry H., assignor.)
- Hoefler, Charles, Jr., Lexington, Mo., M. L. Belt, Jr., Muskogee, Okla., and W. R. Belt, Acme, Tex. Churn. No. 1,062,709; May 27; Gaz. vol. 190; p. 844.
- Hoeflich, Adolph F., Govans, Md. Sunbonnet. No. 1,051,229; Jan. 21; Gaz. vol. 186; p. 721.
- Hoegner, Frederick G., Manchester, N. H. Window-screen. No. 1,059,872; Apr. 22; Gaz. vol. 189; p. 964.
- Hoehl, August, Haledon, N. J. Electric sign. No. 1,077,532; Nov. 4; Gaz. vol. 196; p. 103.
- Hoelscher, Herman M., assignor to L. Wolff Manufacturing Company, Chicago, Ill. Water-closet seat. No. 1,079,007; Nov. 18; Gaz. vol. 196; p. 673.
- Hoerner, John H., Slater, Mo. Sweep-rake. No. 1,082,520; Dec. 30; Gaz. vol. 197; p. 1016.
- Hoenes, Andrew J., Murray, Utah. Medical electric-current regulator. No. 1,078,787; Nov. 18; Gaz. vol. 196; p. 597.
- Hoenigsberger, Harry L., Chicago, Ill. Robe. No. 1,070,892; Aug. 19; Gaz. vol. 193; p. 687.
- Hoenisch, Ernst, Edgar, Wis. Dirigible headlight. No. 1,075,825; Oct. 14; Gaz. vol. 195; p. 452.
- Hoepfner, Karl, Cincinnati, Ohio. Gear-generating machine. No. 1,054,846; Mar. 4; Gaz. vol. 188; p. 67.
- Hoepfner, Karl, Dayton, Ohio. Metal saw and trimmer. No. 1,082,521; Dec. 30; Gaz. vol. 197; p. 1016.
- Hoepner, George, Chicago, Ill. Bag-filling machine. No. 1,058,747; Apr. 15; Gaz. vol. 189; p. 546.
- Hoerl, Conrad, Newark, N. J. Friction-clutch. No. 1,073,685; Sept. 23; Gaz. vol. 194; p. 787.
- Hoerlein, Heinrich, Vohwinkel, near Elberfeld, assignor to Farbenfabriken vorm. Friedr. Bayer & Co., Elberfeld, Germany. Alkali salts of phenylethylbarbituric acid. No. 1,051,586; Jan. 28; Gaz. vol. 186; p. 875.
- Hoerr, Louis A., St. Louis, Mo. Pipe-hanger. No. 1,057,057; Mar. 25; Gaz. vol. 188; p. 915.
- Hoerr, Louis A., St. Louis, Mo. Angle-cock holder for railway-cars. No. 1,060,762; May 6; Gaz. vol. 190; p. 68.
- Hoes, Albertes M., Grand Island, Nebr. Lock. No. 1,075,914; Oct. 14; Gaz. vol. 195; p. 483.
- Hoey, John, San Francisco, Cal. Folding couch. No. 1,067,736; July 15; Gaz. vol. 192; p. 697.
- Hoey, John, San Francisco, Cal. Folding couch. No. 1,080,217; Dec. 2; Gaz. vol. 197; p. 104.
- Hoeynck, Frederick T., Chicago, Ill. Vegetable-grater. No. 1,051,499; Jan. 28; Gaz. vol. 186; p. 846.
- Hofe, Christian von, Wilmersdorf, near Berlin, assignor to Optische Anstalt C. P. Goerz Aktiengesellschaft, Friedenau, near Berlin, Germany. Base-line telemeter. No. 1,060,902; May 6; Gaz. vol. 190; p. 118.
- Hofe, Christian von, Wilmersdorf, near Berlin, assignor to Optische Anstalt C. P. Goerz Aktiengesellschaft, Friedenau, near Berlin, Germany. Telemeter. No. 1,067,027; July 8; Gaz. vol. 192; p. 417.
- Hofer, Frank J., Dieterich, Ill. Water and slop carrier. No. 1,051,110; Jan. 21; Gaz. vol. 186; p. 682.
- Hoferle, Henry A. (See Hoferle, John, assignor.)
- Hoferle, John, assignor of one-half to H. A. Hoferle, Chicago, Ill. Street-indicator. No. 1,070,961; Aug. 19; Gaz. vol. 193; p. 709.
- Hoff, Carlton L., York, Pa. Loom for weaving wire-cloth. No. 1,056,174; Mar. 18; Gaz. vol. 188; p. 582.
- Hoff, Carlton L., York, and M. O. Rehfuess, Philadelphia, Pa. Chain-link-forming machine. No. 1,056,175; Mar. 18; Gaz. vol. 188; p. 582.
- Hoff, Charles, Cincinnati, Ohio. Pritch. No. 1,054,770; Mar. 4; Gaz. vol. 188; p. 41.
- Hoff, Clarence E., and J. V. Fielder, Rock Lake, N. D. Plowshare-sharpener. No. 1,064,144; June 10; Gaz. vol. 191; p. 369.
- Hoff, Mary A., Vinton, Iowa. Swinging car-step. No. 1,075,785; Oct. 14; Gaz. vol. 195; p. 438.
- Hoffer, John, Fairmont, W. Va. Safety-stop for elevators. No. 1,072,008; Sept. 2; Gaz. vol. 194; p. 117.
- Hoffine, Fred G., assignor to Home Ironing Board Company, Kansas City, Mo. Ironing-board. No. 1,063,685; June 3; Gaz. vol. 191; p. 180.
- Hoffman, Albert F., Chicago, assignor of forty-nine one-hundredths to J. O'Keefe, Highland Park, Ill. Home-route-card holder. No. 1,050,831; Jan. 21; Gaz. vol. 186; p. 583.
- Hoffman, Alfred, Brooklyn, N. Y., assignor to Alco Deo Company. Chemical process. No. 1,082,424; Dec. 23; Gaz. vol. 197; p. 951.
- Hoffman, Augustus K., Benton, Wis. Dental tool. No. 1,075,826; Oct. 14; Gaz. vol. 195; p. 453.
- Hoffman, Charlie F., Carrollton, Ohio. Locking mechanism. No. 1,079,047; Nov. 18; Gaz. vol. 196; p. 687.
- Hoffman, Edward F., Glandorf, Ohio. Thill-support. No. 1,050,653; Jan. 14; Gaz. vol. 186; p. 489.
- Hoffman, Fred, assignor to National Cash Protector Company, San Francisco, Cal. Combination code-card. No. 1,070,342; Aug. 12; Gaz. vol. 193; p. 460.
- Hoffman, George N., Waterford, N. Y. Animal-trap. No. 1,064,647; June 10; Gaz. vol. 191; p. 539.
- Hoffman, John D., Stratford, Ontario, Canada. Cement-shingle machine. No. 1,076,765; Oct. 28; Gaz. vol. 195; p. 860.
- Hoffman, John N. (See Hicks and Hoffman.)
- Hoffman, Morris J., Chicago, Ill. Garment-staying device. No. 1,071,743; Sept. 2; Gaz. vol. 194; p. 25.
- Hoffman, Valentine, Chicago, Ill. Marking-machine. No. 1,082,025; Dec. 23; Gaz. vol. 197; p. 815.
- Hoffman, William W., assignor to E. Kirstein Sons Company, Rochester, N. Y. Eyeglasses. No. 1,058,748; Apr. 15; Gaz. vol. 189; p. 546.
- Hoffman, Wilmot G., San Francisco, Cal. Folding umbrella. No. 1,049,360; Jan. 7; Gaz. vol. 186; p. 14.
- Hoffmann, Albert von, St. Louis, Mo. Balloon. No. 1,056,791; Mar. 25; Gaz. vol. 188; p. 823.
- Hoffmann, Alexander, Baltimore, Md., assignor of one-half to P. D. Lowe, New York, N. Y. Drier. No. 1,061,941; May 13; Gaz. vol. 190; p. 505.
- Hoffmann, August R., St. Louis, Mo. Feeding apparatus. No. 1,054,548; Feb. 25; Gaz. vol. 187; p. 1036.
- Hoffmann, Charles B., Cincinnati, Ohio. Repulsion-motor-control system. No. 1,078,439; Nov. 11; Gaz. vol. 196; p. 446.
- Hoffmann, Ernst G., deceased, New Rochelle, N. Y.; A. W. Kiddle and A. M. Becker, executors. Driving mechanism for vehicles. No. 1,076,652; Oct. 21; Gaz. vol. 195; p. 769.
- Hoffmann, Ferdinand, St. Louis, Mo. Safety-envelop. No. 1,061,077; May 6; Gaz. vol. 190; p. 178.
- Hoffmann, Henry F., New York, N. Y. Pipe-wrench. No. 1,070,343; Aug. 12; Gaz. vol. 193; p. 460.
- Hoffmann-La Roche Chemical Works. (See Hug, Ernst, assignor.)
- Hoffmann-La Roche Chemical Works. (See Schaerges, Karl F. M., assignor.)
- Hoffmann-La Roche Chemical Works, The. (See Ulrich, Alfred, assignor.)
- Hoffmann, Louis J. (See Hughes and Hoffmann.)
- Hoffmann Manufacturing Company Limited, The. (See Schmidt, Otto A., assignor.)
- Hoffmann, Oscar, assignor to Stahlwerk Becker Aktiengesellschaft, Willich, Germany. Ball-bearing. No. 1,071,317; Aug. 26; Gaz. vol. 193; p. 863.
- Hoffmann, Simon. (See Cole and Hoffmann.)
- Hoffmann, William F., assignor to American Electrical Heater Company, Detroit, Mich. Plug-socket electrical connector. No. 1,072,460; Sept. 9; Gaz. vol. 194; p. 298.
- Hoffstot, William H., Kansas City, Mo. Mantle-protector. No. 1,081,743; Dec. 16; Gaz. vol. 197; p. 689.
- Hofheimer, Nathan. (See Liebmann, Alfred J., assignor.)
- Hofmann, Fritz, West Hoboken, N. J. Music-leaf turner. No. 1,077,069; Oct. 28; Gaz. vol. 195; p. 968.
- Hofmann, Fritz, and C. Coutelle, assignors to Farbenfabriken vorm. Friedr. Bayer & Co., Elberfeld, Germany. Caoutchouc substance and making same. No. 1,062,915; May 27; Gaz. vol. 190; p. 912.
- Hofmann, Fritz, and C. Coutelle, assignors to Farbenfabriken vorm. Friedr. Bayer & Co., Elberfeld, Germany. Caoutchouc substance and making same. No. 1,069,951; Aug. 12; Gaz. vol. 193; p. 326.
- Hofmann, Fritz, and C. Coutelle, assignors to Farbenfabriken vorm. Friedr. Bayer & Co., Elberfeld, Germany. Production of caoutchouc substances. No. 1,070,258; Aug. 12; Gaz. vol. 193; p. 432.
- Hofmann, Fritz, and C. Coutelle, assignors to Farbenfabriken vorm. Friedr. Bayer & Co., Elberfeld, Germany. Producing caoutchouc-like substances. No. 1,070,259; Aug. 12; Gaz. vol. 193; p. 432.
- Hofmann, Fritz, and K. Delbrück, assignors to Farbenfabriken vorm. Friedr. Bayer & Co., Elberfeld, Germany. Producing a caoutchouc-like substance. No. 1,068,770; July 29; Gaz. vol. 192; p. 1123.
- Hofmann, Fritz, and K. Delbrück, assignors to Farbenfabriken vorm. Friedr. Bayer & Co., Elberfeld, Germany. Vulcanized caoutchouc and making same. No. 1,081,613; Dec. 16; Gaz. vol. 197; p. 647.
- Hofmann, Fritz, and K. Delbrück, assignors to Farbenfabriken vorm. Friedr. Bayer & Co., Elberfeld, Germany. Caoutchouc substance and making same. No. 1,081,614; Dec. 16; Gaz. vol. 197; p. 647.

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- Hofmann, Fritz, K. Delbrück, and K. Meisenburg, assignors to Farbenfabriken vorm. Friedr. Bayer & Co., Elberfeld, Germany. Producing beta-gamma-dimethylerythrene. No. 1,069,422; Aug. 5; Gaz. vol. 193; p. 117.
- Hofmann, Fritz, K. Delbrück, and K. Meisenburg, assignors to Farbenfabriken vorm. Friedr. Bayer & Co., Elberfeld, Germany. Producing beta-gamma-dimethylerythrene. No. 1,069,423; Aug. 5; Gaz. vol. 193; p. 117.
- Hofmann, Fritz, K. Delbrück, and K. Meisenburg, assignors to Farbenfabriken vorm. Friedr. Bayer & Co., Elberfeld, Germany. Producing beta-gamma-dimethylerythrene. No. 1,076,575; Oct. 21; Gaz. vol. 195; p. 741.
- Hofmann, Fritz, C. Coutelle, K. Delbrück, and K. Meisenburg, assignors to Farbenfabriken vorm. Friedr. Bayer & Co., Elberfeld, Germany. Caoutchouc-like substance and making same. No. 1,062,828; May 27; Gaz. vol. 190; p. 883.
- Hofmann, Fritz, C. Coutelle, K. Delbrück, and K. Meisenburg, assignors to Farbenfabriken vorm. Friedr. Bayer & Co., Elberfeld, Germany. Caoutchouc-like substance and making same. No. 1,062,912; May 27; Gaz. vol. 190; p. 912.
- Hofmann, Fritz, C. Coutelle, K. Delbrück, and K. Meisenburg, assignors to Farbenfabriken vorm. Friedr. Bayer & Co., Elberfeld, Germany. Caoutchouc substance and making same. No. 1,062,913; May 27; Gaz. vol. 190; p. 912.
- Hofmann, Fritz, C. Coutelle, K. Delbrück, and K. Meisenburg, assignors to Farbenfabriken vorm. Friedr. Bayer & Co., Elberfeld, Germany. Caoutchouc substance and making same. No. 1,062,914; May 27; Gaz. vol. 190; p. 912.
- Hofmann, Fritz, C. Coutelle, K. Meisenburg, and K. Delbrück, assignors to Farbenfabriken vorm. Friedr. Bayer & Co., Elberfeld, Germany. Caoutchouc substance. No. 1,074,432; Sept. 30; Gaz. vol. 194; p. 1067.
- Hofmann, Fritz, C. Coutelle, K. Meisenburg, and K. Delbrück, assignors to Farbenfabriken vorm. Friedr. Bayer & Co., Elberfeld, Germany. Caoutchouc substances and making same. No. 1,082,522; Dec. 30; Gaz. vol. 197; p. 1017.
- Hofmann, Josef, Baumaroché, Switzerland. Pneumatic spring. No. 1,077,472; Nov. 4; Gaz. vol. 196; p. 82.
- Hofmayr, John, Buffalo, N. Y. Extension-table. No. 1,073,128; Sept. 16; Gaz. vol. 194; p. 570.
- Hofmeister, Flora, Racine, Wis. Cooking-range. No. 1,066,903; July 8; Gaz. vol. 192; p. 377.
- Hofstad, John K., Hanson, Saskatchewan, Canada. Wire clothes-pin. No. 1,065,047; June 17; Gaz. vol. 191; p. 706.
- Hofwing, Fritz. (See Fownes and Hofwing.)
- Hogaboom, Benjamin B., Elk Grove, Cal. Strainer for honey-filling machines. No. 1,053,728; Feb. 18; Gaz. vol. 187; p. 723.
- Hogaboom, Benjamin B., Elk Grove, Cal. Automatic cut-off for package-filling machines. No. 1,058,305; Apr. 8; Gaz. vol. 189; p. 356.
- Hogan, George L., Montreal, Quebec, Canada, assignor of one-half to A. Bailey, Seattle, Wash. Oil-burner. No. 1,061,290; May 13; Gaz. vol. 190; p. 284.
- Hogan, Harry C. (See Thelen, Jacob J., assignor.)
- Hogan, John C., Goodwin, Nebr. Double-door-locking device. No. 1,073,488; Sept. 16; Gaz. vol. 194; p. 697.
- Hogan, Michael E., St. Louis, Mo. Metal railway-tie. No. 1,064,484; June 10; Gaz. vol. 191; p. 486.
- Hogan, Zachariah, Amite, La. Saw-set. No. 1,062,466; May 20; Gaz. vol. 190; p. 722.
- Hoge, Joseph F. D., New York, N. Y., assignor to American District Telegraph Company. Alternating-current relay. No. 1,056,334; Mar. 18; Gaz. vol. 188; p. 634.
- Hoge, Joseph F. D., New York, N. Y., assignor to American District Telegraph Company. Multiplex-telegraph system. No. 1,078,284; Nov. 11; Gaz. vol. 196; p. 390.
- Hogg, George, and A. E. Hathaway, Toronto, Ontario, Canada. Spring-mattress. No. 1,067,339; July 15; Gaz. vol. 192; p. 563.
- Hogland, Frank G. (See Larson and Hogland.)
- Hoglund, Gustave E., assignor of one-half to O. C. Dennis, Chicago, Ill. Explosive-engine. No. 1,062,099; May 20; Gaz. vol. 190; p. 600.
- Hogrebe, Arthur E., and J. D. Firmin, Philadelphia, Pa., assignors to Niles-Bement-Pond Company, New York, N. Y. Dynamic control for electric machines. No. 1,079,345; Nov. 25; Gaz. vol. 196; p. 819.
- Hogston, John H., Ladysmith, Wis. Power-loading asphalt. No. 1,059,995; Apr. 29; Gaz. vol. 189; p. 1049.
- Hogue, Dellavergne, Los Angeles, Cal. Funnel. No. 1,055,534; Mar. 11; Gaz. vol. 188; p. 332.
- Hohenstein, Charles H. von, San Antonio, Tex., assignor to Hanna Motor Manufacturing Company, Kansas City, Mo. Fan spring-motor. No. 1,051,529; Jan. 28; Gaz. vol. 186; p. 856.
- Hohenstien, Fritz K., and C. G. Meyers, Richmond, Ind. Air-pump. No. 1,074,051; Sept. 23; Gaz. vol. 194; p. 911.
- Hohl, George L., Newark, N. J., assignor to Newark Wrapping Machine Co. Wrapping-machine. No. 1,055,461; Mar. 11; Gaz. vol. 188; p. 309.
- Hohl, Martin, Indianapolis, Ind. Portable fire-escape. No. 1,057,835; Apr. 1; Gaz. vol. 189; p. 150.
- Hohman, Fredrick A., Cornelius, Oreg. Threshing-machine. No. 1,050,540; Jan. 14; Gaz. vol. 186; p. 452.
- Hohmann, Edmund, assignor to Stettiner Chamotte-Fabrik Actien-Gesellschaft vorm. Didler, Stettin, Germany. Air-blast heater. No. 1,079,764; Nov. 25; Gaz. vol. 196; p. 965.
- Hohmann, Richard K., San Diego, Cal. Take-up for sewing-machines. No. 1,073,489; Sept. 16; Gaz. vol. 194; p. 697.
- Höhne, Arno, and H. Krake, Leipzig, Germany. Door-operating means. No. 1,064,648; June 10; Gaz. vol. 191; p. 540.
- Hohoff, Henry, Deer Lodge, Mont. Heating system for sectionalized brooders and incubators. No. 1,076,576; Oct. 21; Gaz. vol. 195; p. 741.
- Holland, Albert, Nome, N. D. Wild-oats separator. No. 1,054,549; Feb. 25; Gaz. vol. 187; p. 1036.
- Hoines, Halvor E., Minneapolis, Minn. Music-leaf turner. No. 1,060,682; May 6; Gaz. vol. 190; p. 40.
- Hoke, Harry A., Altoona, Pa. Low-water alarm for steam-boilers. No. 1,050,023; Jan. 7; Gaz. vol. 186; p. 238.
- Hoke, Harry A., Altoona, Pa. Locomotive gate-valve between cylinder and saddle. No. 1,050,024; Jan. 7; Gaz. vol. 186; p. 239.
- Hoke, Harry A., Altoona, Pa. Equalizing arrangement for locomotives. No. 1,082,592; Dec. 30; Gaz. vol. 197; p. 1043.
- Hoke, Harry A., and C. J. Barley, Altoona, Pa. Piston-packing. No. 1,082,523; Dec. 30; Gaz. vol. 197; p. 1017.
- Hoke, John I., Frankfort, Ind. Two-wheel tractor. No. 1,073,490; Sept. 16; Gaz. vol. 194; p. 697.
- Holbourn, John G., assignor to Linotype and Machinery Limited, London, England. Typographical composing-machine. No. 1,067,519; July 15; Gaz. vol. 192; p. 622.
- Holden, C. W., *et al.* (See Bailey and Warren, assignors.)
- Holden, Charles B., Milwaukee, Wis. Gas-stove. No. 1,057,836; Apr. 1; Gaz. vol. 189; p. 151.
- Holden, Charles L., Indianapolis, Ind. Range-boiler stand. No. 1,067,655; July 15; Gaz. vol. 192; p. 669.
- Holden, Daniel L., New York, N. Y., assignor to Federal Ice Machine Company. Ice-machine. No. 1,054,771; Mar. 4; Gaz. vol. 188; p. 41.
- Holden, Daniel L., New York, N. Y., assignor to Federal Ice Machine Company. Press for ice-machines. No. 1,054,772; Mar. 4; Gaz. vol. 188; p. 41.
- Holden, Hiram, Manchester, N. H. Tag and card holder. No. 1,068,499; July 29; Gaz. vol. 192; p. 1028.
- Holden, James F., *et al.* (See Perkins, Charles J., assignor.)
- Holden, John H., Pekin, N. D. Compound tool. No. 1,079,243; Nov. 18; Gaz. vol. 196; p. 753.
- Holden, Walter A., Ansonia, assignor to The Robert N. Bassett Company, Shelton, Conn. Buckle. No. 1,056,991; Mar. 25; Gaz. vol. 188; p. 892.
- Holder, Charles, Jr., Brooklyn, N. Y., assignor to Holder Welding Equipment Company. Carbide-feeding mechanism. No. 1,051,736; Jan. 28; Gaz. vol. 186; p. 925.
- Holder, Henry A., Lynn, assignor to Holder-Perkins Company, Woburn, Mass. Hollow work-support for leather-working machines. No. 1,058,749; Apr. 15; Gaz. vol. 189; p. 547.
- Holder, Henry A., Lynn, assignor to Holder-Perkins Company, Woburn, Mass. Pneumatic roll for leather-working machines. No. 1,067,607; July 15; Gaz. vol. 192; p. 652.
- Holder Manufacturing Company, The. (See Goppelt, Frederick A., Jr., assignor.)
- Holder-Perkins Company. (See Holder, Henry A., assignor.)
- Holder Welding Equipment Company. (See Holder, Charles, Jr., assignor.)
- Holder, William E., and R. Sampson, Montreal, Quebec, Canada; said Holder assignor to said Sampson. Hot-plate for stoves. No. 1,067,428; July 15; Gaz. vol. 192; p. 592.
- Holdman, Frank, St. Johns, Oreg. Vehicle-wheel. No. 1,063,881; June 3; Gaz. vol. 191; p. 243.
- Holdsworth, Fred D., assignor to Sullivan Machinery Company, Claremont, N. H. Heating device. No. 1,072,728; Sept. 9; Gaz. vol. 194; p. 390.
- Holdt, George H., assignor to Dexter Folder Company, Pearl River, N. Y. Mechanical movement. No. 1,065,870; June 24; Gaz. vol. 191; p. 1021.
- Holgate Brothers Company. (See Turner, George A., assignor.)
- Holik, Frank, Prague, Okla. Railway-rail tie and rail-fastener. No. 1,060,903; May 6; Gaz. vol. 190; p. 118.
- Holik, Frank, Prague, Okla. Railway-rail tie and fastener. No. 1,081,615; Dec. 16; Gaz. vol. 197; p. 647.
- Holl, Charles, Strassburg, Germany. Ring fabric. No. 1,050,216; Jan. 14; Gaz. vol. 186; p. 338.

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- Holland, Albert, Nome, N. D. Wind-shield for automobile-radiators. No. 1,079,765; Nov. 25; Gaz. vol. 196; p. 966.
- Holland, Heinrich, assignor to C. Frank, Charlottenburg, Germany. Construction of halls, airship-hangers, and other structures. No. 1,058,432; Apr. 8; Gaz. vol. 189; p. 402.
- Holland, Henry, assignor to The Holland Trolley Supply Company, Cleveland, Ohio. Trolley-stand. No. 1,052,586; Feb. 11; Gaz. vol. 187; p. 285.
- Holland, Henry V. C., and W. H. Wiggins, Brooklyn, N. Y. Bowling-alley. No. 1,068,131; July 22; Gaz. vol. 192; p. 862.
- Holland, Henry W., and W. Mansfield, London, England, assignors to Holland and Holland, Limited. Sight for small-arms. No. 1,073,491; Sept. 16; Gaz. vol. 194; p. 698.
- Holland and Holland. (See Holland and Mansfield, assignors.)
- Holland, Isaac W., Midlothian, Tex. Wire-stretcher. No. 1,079,127; Nov. 18; Gaz. vol. 196; p. 714.
- Holland, James J., Philadelphia, Pa. Syringe. No. 1,076,425; Oct. 21; Gaz. vol. 195; p. 687.
- Holland, James J., Philadelphia, Pa., and W. Discher, Toledo, Ohio. Nebulizer. No. 1,051,587; Jan. 28; Gaz. vol. 186; p. 875.
- Holland, John C., Henderson, Ky. Pipe-threading machine. No. 1,065,528; June 24; Gaz. vol. 191; p. 906.
- Holland, John P., East Orange, N. J. Flying-machine. No. 1,050,654; Jan. 14; Gaz. vol. 186; p. 489.
- Holland, Joseph H., Centreton, Ontario, Canada. Concrete-block-molding machine. No. 1,057,550; Apr. 1; Gaz. vol. 189; p. 52.
- Holland-Letz, George and J., Crown Point, Ind. Grinding-machine. No. 1,077,714; Nov. 4; Gaz. vol. 196; p. 161.
- Holland-Letz, John. (See Holland-Letz, George and J.)
- Holland, Newman H., assignor to Thomas A. Edison, Incorporated, West Orange, N. J. Supporting device. No. 1,051,408; Jan. 28; Gaz. vol. 186; p. 815.
- Holland, Newman H., assignor to Thomas A. Edison, Incorporated, West Orange, N. J. Antivibration device for centrifugal governors. No. 1,071,744; Sept. 2; Gaz. vol. 194; p. 26.
- Holland, Ralph W., assignor of one-half to L. Pratt, Youngstown, Ohio. Window-frame. No. 1,053,129; Feb. 11; Gaz. vol. 187; p. 472.
- Holland Trolley Supply Company, The. (See Holland, Henry, assignor.)
- Holland, William H., Edgewood, and F. J. Kaltenbach, Echo Point, W. Va. Car-door. No. 1,052,435; Feb. 4; Gaz. vol. 187; p. 202.
- Holland, William W., Roland Park, Md. Anticreeping device. No. 1,081,305; Dec. 16; Gaz. vol. 197; p. 544.
- Hollander, Charles M. (See Goldschmidt and Hollander.)
- Hollander, Jacob A., Cincinnati, Ohio. Combination agricultural implement. No. 1,055,044; Mar. 4; Gaz. vol. 188; p. 133.
- Hollander, Solomon, New York, N. Y. Velling. No. 1,056,792; Mar. 25; Gaz. vol. 188; p. 823.
- Hollands, John C., assignor to The Griswold Manufacturing Company, Erie, Pa. Tea-kettle. No. 1,072,461; Sept. 9; Gaz. vol. 194; p. 298.
- Hollar, William H., Philadelphia, Pa. Vault. No. 1,053,815; Feb. 18; Gaz. vol. 187; p. 750.
- Hollar, William H., and H. F. Balou, Philadelphia, Pa.; said Balou assignor to said Hollar. Electrically-controlled lock. No. 1,051,588; Jan. 28; Gaz. vol. 186; p. 876.
- Holle, Theodor L., St. Louis, Mo. Regenerator for metallurgical furnaces. No. 1,076,426; Oct. 21; Gaz. vol. 195; p. 688.
- Hollenbeck, Albert B., Sidney, N. Y. Automobile-tire. No. 1,077,407; Nov. 4; Gaz. vol. 196; p. 59.
- Hollenbeck, Frank A., Syracuse, N. Y. Firearm. No. 1,068,586; July 29; Gaz. vol. 192; p. 1058.
- Hollenbeck, Peter, Kildare, Okla. Air-heating furnace. No. 1,069,952; Aug. 12; Gaz. vol. 193; p. 326.
- Holler, Jacob M., Jr., and W. F. Everhart, Pittsburgh, Pa. Antirefillable bottle. No. 1,063,796; June 3; Gaz. vol. 191; p. 216.
- Holler, Laurence, Montezuma, Colo. Bolt. No. 1,055,174; Mar. 4; Gaz. vol. 188; p. 174.
- Hollett, Ira W., Chicago, Ill., assignor to The Sefton Manufacturing Company, Anderson, Ind. Paper receptacle. No. 1,082,868; Dec. 30; Gaz. vol. 197; p. 1130.
- Holley, Clifford D., assignor to Acme White Lead and Color Works, Detroit, Mich. Manufacture of lead pigments. No. 1,082,953; Dec. 30; Gaz. vol. 197; p. 1168.
- Holley, Frank S. (See Wheeler and Holley.)
- Hollick, Sidney R., et al. (See Ommundsen, Harcourt, assignor.)
- Holliday, Jaquelin S., Indianapolis, Ind. Horseshoe-calk. No. 1,073,236; Sept. 16; Gaz. vol. 194; p. 609.
- Holliday, Joseph S., Statham, Ga. Cotton-seed separator and planter. No. 1,079,244; Nov. 18; Gaz. vol. 196; p. 753.
- Holliger, Gottlieb R., Birmingham, Ala. Valve for gas-engine starters. No. 1,080,218; Dec. 2; Gaz. vol. 197; p. 105.
- Hollings, John C., assignor to F. S. Alden, Boston, Mass. Vehicle-tire. No. 1,063,972; June 10; Gaz. vol. 191; p. 308.
- Hollingsworth, Charles M., Washington, D. C. Shoe cleaner and polisher. No. 1,059,364; Apr. 22; Gaz. vol. 189; p. 796.
- Hollingsworth, John B., assignor of one-fourth to G. Reynolds and J. Reed, Waters, Ark. Churn. No. 1,065,806; June 24; Gaz. vol. 191; p. 999.
- Hollingsworth, Ross, Canon City, assignor of one-sixth to H. L. White, one-sixth to W. B. White, and one-sixth to E. H. Stinemeyer, Fremont county, Colo. Surveyor's rod. No. 1,063,447; June 3; Gaz. vol. 191; p. 93.
- Hollingsworth & Vose Company. (See Lamb and Vose, assignors.)
- Hollingsworth & Whitney Company. (See Stobie, William H., assignor.)
- Hollinshead, Forman P., et al. (See Snyder, William H., assignor.)
- Hollinworth, William G. (See Taylor, William, assignor.)
- Hollis Automatic Traction Jack Company. (See Hollis, Otis A., assignor.)
- Hollis, Elmer, New York, N. Y. Adjustable support for curtains. No. 1,056,741; Mar. 18; Gaz. vol. 188; p. 777.
- Hollis, Harry W. (See Oberer, Fredolien J., assignor.)
- Hollis, Henry L., Chicago, Ill. Railway-tie. No. 1,076,577; Oct. 21; Gaz. vol. 195; p. 742.
- Hollis, Joseph, assignor to J. E. McLain, Canton, Ohio. Retrieving mechanism. No. 1,056,742; Mar. 18; Gaz. vol. 188; p. 778.
- Hollis, Otis A., Pittsburgh, Pa., assignor to Hollis Automatic Traction Jack Company, Dover, Del. Tractor. No. 1,069,875; Aug. 12; Gaz. vol. 193; p. 301.
- Hollis, Thomas H., Pittsburgh, Pa. Water-distributing system. No. 1,059,609; Apr. 22; Gaz. vol. 189; p. 879.
- Hollister, George S. (See Lytle, Frederick, assignor.)
- Hollmann, William, Mount Vernon, and P. Sellhast, New York, N. Y. Binding. No. 1,065,048; June 17; Gaz. vol. 191; p. 706.
- Holloper, William H. (See Leslie and Holloper.)
- Holloway, Herbert E., Trenton, N. J. Watchmaker's tweezers. No. 1,081,830; Dec. 16; Gaz. vol. 197; p. 721.
- Holloway, Jesse A., Bowdon, Ga. Hose-coupling. No. 1,081,963; Dec. 23; Gaz. vol. 197; p. 793.
- Holloway, John M., Graymont, Ga. Peanut-stripper. No. 1,065,249; June 17; Gaz. vol. 191; p. 773.
- Holloway, Oscar P., and H. Randolph, Dayton, Ohio. Panorama. No. 1,057,551; Apr. 1; Gaz. vol. 189; p. 52.
- Hollstein, Paul G., Carlstadt, N. J. Powdered-cocoa sifter, mixer, and cooler. No. 1,050,738; Jan. 14; Gaz. vol. 186; p. 515.
- Hollstein, Paul G., Carlstadt, N. J. Pulverized-cocoa roaster. No. 1,055,175; Mar. 4; Gaz. vol. 188; p. 174.
- Hollstein, Paul G., Carlstadt, N. J., assignor to J. M. Lehmann Company, New York, N. Y. Cocoa-cooler. No. 1,065,448; June 24; Gaz. vol. 191; p. 879.
- Holly, Carlos, Lockport, N. Y., assignor, by mesne assignments, to F. N. Burt Company Limited, Buffalo, N. Y. Box-making machine. No. 1,053,602; Feb. 18; Gaz. vol. 187; p. 679.
- Holly, Ward J., Pewamo, Mich. Trap-nest. No. 1,067,340; July 15; Gaz. vol. 192; p. 563.
- Holm, Charles W., assignor to M. B. Holm, Troy, Ohio. Acetylene-gas generator. No. 1,079,766; Nov. 25; Gaz. vol. 196; p. 966.
- Holm, Mary B. (See Holm, Charles W., assignor.)
- Holm, Ragnar. (See Gerdien and Holm.)
- Holman Brothers. (See Cock, Benjamin, assignor.)
- Holman, Joseph W., Cleveland, Ohio. Mold for sidewalk construction. No. 1,080,693; Dec. 9; Gaz. vol. 197; p. 300.
- Holman, Leslie A., assignor to American Watch Tool Company, Waltham, Mass. Tool-rest for watchmakers' lathes. No. 1,059,731; Apr. 22; Gaz. vol. 189; p. 919.
- Holman, Nicholas, Chicago, Ill. Apparatus for cooking and cooling syrups for candy. No. 1,082,268; Dec. 23; Gaz. vol. 197; p. 899.
- Holman, Rudolph, Monroe, La. Chain-fastener. No. 1,051,230; Jan. 21; Gaz. vol. 186; p. 721.
- Holmberg, Alfred E., Maple Lake, Minn. Toy. No. 1,053,994; Feb. 25; Gaz. vol. 187; p. 848.
- Holmberg, Alfred E., Maple Lake, Minn. Toy. (Reissue.) No. 13,611; Sept. 2; Gaz. vol. 194; p. 253.
- Holmcrans, Carl, Boston, and C. G. Bergstrom, Everett, Mass. Catch for pockets. No. 1,079,411; Nov. 25; Gaz. vol. 196; p. 841.
- Holmes, Albert H., Malden, Mass. Drip-pan alarm. No. 1,064,221; June 10; Gaz. vol. 191; p. 395.
- Holmes, Charles P., Lynn, Mass., assignor to United Shoe Machinery Company, Paterson, N. J. Toe-wiring tool. No. 1,049,361; Jan. 7; Gaz. vol. 186; p. 14.
- Holmes, Charles P., Lynn, Mass., assignor to United Shoe Machinery Company, Paterson, N. J. Welt-sewing machine. No. 1,071,050; Aug. 26; Gaz. vol. 193; p. 774.
- Holmes, Clayton F., Beaumont, Tex. Sectional dam and flume. No. 1,052,338; Feb. 4; Gaz. vol. 187; p. 168.

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- Holmes, Edward B. (See Beugler, Edwin F., assignor.)
- Holmes, Edward C., Norwood, Ohio. Curtain for vestibule-cars. No. 1,059,465; Apr. 22; Gaz. vol. 189; p. 832.
- Holmes, Edwin S., Jr., assignor of one-half to R. T. Warwick, Washington, D. C. Coupling-link for antiskid-chains. No. 1,050,061; Jan. 7; Gaz. vol. 186; p. 252.
- Holmes, Eugene C., assignor of one-half to L. M. Carmical, Jonesville, Va. Combined parallel ruler, section-liner, and protractor. No. 1,064,222; June 10; Gaz. vol. 191; p. 396.
- Holmes, Frank A., Chicago, Ill. Valve control for burial-crypts. No. 1,050,773; Jan. 14; Gaz. vol. 186; p. 527.
- Holmes, Frank D., assignor to Detroit Alaska Knitting Mills, Detroit, Mich. Knitting-machine. No. 1,081,043; Dec. 9; Gaz. vol. 197; p. 419.
- Holmes, Frank J., assignor to Vulcan Electric Heating Company, Chicago, Ill. Electric heater. No. 1,072,227; Sept. 2; Gaz. vol. 194; p. 189.
- Holmes, Frank W., and E. C. Blasdel, Pittsburgh, Pa. Apparatus for refining petroleum. No. 1,055,747; Mar. 11; Gaz. vol. 188; p. 403.
- Holmes, George G. (See Young and Holmes.)
- Holmes, Herbert J., New York, N. Y. Means for securing metal trimmings or moldings to door and other frames. No. 1,068,656; July 29; Gaz. vol. 192; p. 1083.
- Holmes, Howard, South Norwalk, Conn. Metal hat-marker. No. 1,055,909; Mar. 11; Gaz. vol. 188; p. 457.
- Holmes, Jesse L., Juno, Tenn. Ground-tilling machine. No. 1,052,146; Feb. 4; Gaz. vol. 187; p. 104.
- Holmes, John H., Newcastle-upon-Tyne, England. Brush-holder for dynamo-electric machines. No. 1,079,554; Nov. 25; Gaz. vol. 196; p. 890.
- Holmes, John M., Glens Falls, N. Y. Railway rolling-stock and other vehicle. No. 1,049,582; Jan. 7; Gaz. vol. 186; p. 92.
- Holmes, Joseph F., Huntsville, Ala. Banana-shipping device. No. 1,082,524; Dec. 30; Gaz. vol. 197; p. 1017.
- Holmes, Pedro, Tylerstown, Miss. Wire hand-reel. No. 1,051,231; Jan. 21; Gaz. vol. 186; p. 721.
- Holmes, Samuel, Elizabeth, N. J. System of construction for steel ships. No. 1,076,208; Oct. 21; Gaz. vol. 195; p. 611.
- Holmes, Samuel A., Storm Lake, Iowa. Latrine-seat shield. No. 1,077,277; Nov. 4; Gaz. vol. 196; p. 12.
- Holmes, Thomas, Medford, N. Y. Wrench. No. 1,068,771; July 29; Gaz. vol. 192; p. 1123.
- Holmes, William J., Toronto, Ontario, Canada. Saw-setting machine. No. 1,078,855; Nov. 18; Gaz. vol. 196; p. 620.
- Holmes, William T., Baltimore, and G. H. Whittingham, Pikesville, assignors to Monitor Manufacturing Company, Baltimore, Md. Speed-controller for spinning-frames. No. 1,075,036; Oct. 7; Gaz. vol. 195; p. 154.
- Holmsted, Francis K., Quinimont, W. Va. Railway-track. No. 1,075,104; Oct. 7; Gaz. vol. 195; p. 177.
- Holmsted, Francis K., Quinimont, W. Va. Railway-track. No. 1,075,105; Oct. 7; Gaz. vol. 195; p. 178.
- Holmsted, Francis K., Quinimont, W. Va. Railway-track. No. 1,077,070; Oct. 28; Gaz. vol. 195; p. 968.
- Holmquist, John A., Johnstown, Pa., assignor to Cambria Steel Company. Wire-fence machine. No. 1,082,697; Dec. 30; Gaz. vol. 197; p. 1079.
- Holmström, Johan G. (See Egnér and Holmström.)
- Holohan, John J. (See Jagielski and Holohan.)
- Holsclaw, Thomas C., Horseshoe, assignor of one-half to O. W. Clayton and one-half to W. H. Faulkner, Bevard, N. C. Roofing-tool. No. 1,073,580; Sept. 16; Gaz. vol. 194; p. 727.
- Holst, Lodewyk J. R., Landsdowne, Pa. Intermittent-gear mechanism. No. 1,074,362; Sept. 30; Gaz. vol. 194; p. 1043.
- Holst, Lodewyk J. R., Lansdowne, assignor to Williams, Brown and Earle, Inc., Philadelphia, Pa. Apparatus for transferring designs onto a cylindrical surface by photomechanical process for printing therefrom. No. 1,051,997; Feb. 4; Gaz. vol. 187; p. 52.
- Holst, Lodewyk J. R., Lansdowne, assignor of one-third to H. S. Williams and one-third to M. Earle, Philadelphia, Pa. Valve for internal-combustion engines. No. 1,052,339; Feb. 4; Gaz. vol. 187; p. 168.
- Holst, Lodewyk J. R., Lansdowne, assignor of one-third to M. Earle and one-third to H. S. Williams, Philadelphia, Pa. Valve for internal-combustion engines. No. 1,052,340; Feb. 4; Gaz. vol. 187; p. 169.
- Holst, Lodewyk J. R., Lansdowne, assignor of one-third to H. S. Williams and one-third to M. Earle, Philadelphia, Pa. Valve for internal-combustion engines. No. 1,052,436; Feb. 4; Gaz. vol. 187; p. 202.
- Holste, Georg, Vohwinkel, near Elberfeld, assignor to Farbenfabriken vorm. Friedr. Bayer & Co., Elberfeld, Germany. Dye. No. 1,059,670; Apr. 22; Gaz. vol. 189; p. 899.
- Holsteen, Willis F., Chicago, Ill. Shade stop and protector. No. 1,071,318; Aug. 26; Gaz. vol. 193; p. 864.
- Holt, Benjamin, Stockton, Cal. Traction-engine. No. 1,076,578; Oct. 21; Gaz. vol. 195; p. 742.
- Holt, Benjamin, Stockton, Cal. Flexible endless track for traction-engines. No. 1,082,330; Dec. 23; Gaz. vol. 197; p. 921.
- Holt, Charles L., Lawrence, Mass. Roof-pipe connection. No. 1,059,671; Apr. 22; Gaz. vol. 189; p. 900.
- Holt, Cornelius E., Washingtonville, and P. R. Rauch, Leetonia, Ohio. Feed-head for drilling-machines. No. 1,066,817; July 8; Gaz. vol. 192; p. 347.
- Holt, David G., Santa Monica, and G. R. Horton, Los Angeles, Cal. Matrix-plate holder and spacer. No. 1,082,197; Dec. 23; Gaz. vol. 197; p. 872.
- Holt, Harold E. S., Farnborough, England. Safety-razor. No. 1,079,174; Nov. 18; Gaz. vol. 196; p. 731.
- Holt, Harris B., Dormont, Pa. Tube-cleaner. No. 1,071,157; Aug. 26; Gaz. vol. 193; p. 809.
- Holt, Henry S. A., assignor to Badische Anilin & Soda Fabrik, Ludwigshafen-on-the-Rhine, Germany. Producing rubber-like compounds. No. 1,062,973; May 27; Gaz. vol. 190; p. 931.
- Holt, John, assignor to J. B. Brooks and Company Limited, Birmingham, England. Spring supporting system. No. 1,075,106; Oct. 7; Gaz. vol. 195; p. 178.
- Holt-Lyon Company, The. (See Holt, Thomas, assignor.)
- Holt, Thomas, assignor to The Holt-Lyon Company, Tarrytown, N. Y. Egg-beater. No. 1,077,832; Nov. 4; Gaz. vol. 196; p. 202.
- Holtman, Henry F., Indianapolis, Ind. Horse-power post-hole auger. No. 1,051,330; Jan. 21; Gaz. vol. 186; p. 755.
- Holtman, Henry F., Indianapolis, Ind. Horse-power post-hole auger. No. 1,051,331; Jan. 21; Gaz. vol. 186; p. 755.
- Holton, Albert M., San Francisco, Cal. Coffee grinder, cleaner, and separator. No. 1,069,064; July 29; Gaz. vol. 192; p. 1224.
- Holton, Frank, assignor to Frank Holton & Co., Chicago, Ill. Machine for grinding trombone-slides. No. 1,076,284; Oct. 21; Gaz. vol. 195; p. 637.
- Holton, James O., Springfield, Mo. Electrical protective device. No. 1,065,940; July 1; Gaz. vol. 192; p. 12.
- Holton, James O., Springfield, Mo. Lightning-arrester. No. 1,078,922; Nov. 18; Gaz. vol. 196; p. 643.
- Holton, John L., Lisbon, Ohio. Auxiliary air-supply device for gasoline-engines. No. 1,070,131; Aug. 12; Gaz. vol. 193; p. 388.
- Holton, Samuel M., Battle Creek, Mich. Combined dish rinser and drier. No. 1,060,763; May 6; Gaz. vol. 190; p. 68.
- Holtz, Gustav, Gouldsboro, Pa. Producing backings for artificial teeth. No. 1,070,132; Aug. 12; Gaz. vol. 193; p. 388.
- Holtz, Theodor, Kattowitz, Germany. Drying-cylinder. No. 1,059,937; Apr. 22; Gaz. vol. 189; p. 985.
- Holtzer-Cabot Electric Company. (See Durbin, Vernon, assignor.)
- Holtzer-Cabot Electric Company. (See Heeney, Henry J., assignor.)
- Holtzouser, Jacob P., assignor to The Stanley Works, New Britain, Conn. Hinge. No. 1,075,569; Oct. 14; Gaz. vol. 195; p. 366.
- Holtzman, Abraham L., East Orange, N. J. Brush. No. 1,077,071; Oct. 28; Gaz. vol. 195; p. 969.
- Holtzman, John, assignor of one-third to A. B. Erskine, Hartford, Conn. Razor-stroppler. No. 1,058,367; Apr. 8; Gaz. vol. 189; p. 379.
- Holtzman, John, assignor of one-half to J. Liskin, New York, N. Y. Gas-burner valve and lighter. No. 1,072,615; Sept. 9; Gaz. vol. 194; p. 352.
- Holtzman, John, assignor of one-half to J. Sarg, New York, N. Y. Sash-holder. No. 1,078,856; Nov. 18; Gaz. vol. 196; p. 621.
- Holtzmann, John, Baltimore, Md. Sewing-machine folder. No. 1,049,583; Jan. 7; Gaz. vol. 186; p. 92.
- Holtzmann, John, Baltimore, Md. Suspenders. No. 1,049,584; Jan. 7; Gaz. vol. 186; p. 92.
- Holtzmann, John, Baltimore, Md. Strip-cutting attachment for sewing-machines. No. 1,065,941; July 1; Gaz. vol. 192; p. 12.
- Holtzmann, John, Baltimore, Md. Sewing-machine hemmer. No. 1,073,757; Sept. 23; Gaz. vol. 194; p. 813.
- Holub, Charles J., Newport, Ky., assignor to The Peck-Williamson Company, Cincinnati, Ohio. Pipe. No. 1,067,172; July 8; Gaz. vol. 192; p. 467.
- Holub-Dusha Company. (See Dusha, Feyk, and Komancsek, assignors.)
- Holworthy, Herbert F., Church Stretton, England. Wheel-scoth. No. 1,082,807; Dec. 30; Gaz. vol. 197; p. 1118.
- Holyfield, Edward C. (See Holyfield, Grover C., E. C., and W. B.)
- Holyfield, Grover C., E. C., and W. B., Damascus, Ark. Combined harrow and land-roller. No. 1,068,772; July 29; Gaz. vol. 192; p. 1123.
- Holyfield, Walter B. (See Holyfield, Grover C., E. C., and W. B.)
- Holz, Edward F., Chicago, Ill. Ink-fountain for printing-presses. No. 1,077,882; Nov. 4; Gaz. vol. 196; p. 219.
- Holz, Mattie D., executrix. (See Robinson and Holz.)
- Holz, Otto. (See Robinson and Holz.)

Alphabetical list of patentees—Continued.

- Holzappel, Georg, Essen-on-the-Ruhr, Germany. Molder's stamping-tool. No. 1,052,482; Feb. 11; Gaz. vol. 187; p. 251.
- Holzappel, Louis J., Nashville, Tenn. Water connection. No. 1,074,174; Sept. 30; Gaz. vol. 194; p. 981.
- Holzer, Hiram A., Pittsburg, Kans., assignor to United Iron Works Company, Springfield, Mo. Friction-clutch pulley. No. 1,058,974; Apr. 15; Gaz. vol. 189; p. 626.
- Holzer, Hiram A., Pittsburg, Kans., assignor to United Iron Works Company, Springfield, Mo. Mine-car wheel. No. 1,074,363; Sept. 30; Gaz. vol. 194; p. 1044.
- Holzhauser, Alois, Jr., Milwaukee, Wis. Lock. No. 1,052,341; Feb. 4; Gaz. vol. 187; p. 169.
- Holzhausen, Richard C. A., New York, N. Y., assignor, by mesne assignments, to Hotakold Valve Co., Inc. Mixing-valve. No. 1,083,015; Dec. 30; Gaz. vol. 197; p. 1189.
- Holzhausen, Richard J., assignor to The Embalmers' Supply Company, Westport, Conn. Embalming-pump. No. 1,065,129; June 17; Gaz. vol. 191; p. 734.
- Holzmark, Isaac. (See Holzmark, William P., assignor.)
- Holzmark, William P., assignor of one-half to I. Holzmark, St. Louis, Mo. Non-gyroscopic aeronautic engine. No. 1,060,597; May 6; Gaz. vol. 190; p. 11.
- Homan, Frank, and W. E. Smith, Canon City, Colo. Engine. No. 1,050,655; Jan. 14; Gaz. vol. 186; p. 489.
- Homan, William C., assignor to Edward Miller & Company, Meriden, Conn. Globe and shade holder. No. 1,074,719; Oct. 7; Gaz. vol. 195; p. 46.
- Homans, Thomas S., Brooklyn, N. Y. Mechanical movement. No. 1,079,048; Nov. 18; Gaz. vol. 196; p. 688.
- Homborg, Adolf, Passaic, N. J. Hat-fastener. No. 1,081,669; Dec. 16; Gaz. vol. 197; p. 664.
- Home Amusement Company. (See Burch and Woolsey, assignors.)
- Home Ironing Board Company. (See Hoffine, Fred G., assignor.)
- Home Novelty Company, The. (See Flint, Eugene W., assignor.)
- Homer Roberts Telephone Co. (See Roberts, Homer J., assignor.)
- Homer, William B., Springfield, S. D. Draft-equalizer. No. 1,056,678; Mar. 18; Gaz. vol. 188; p. 754.
- Hommel, George. (See Bausch, Hommel, Patterson, and Sailer.)
- Hommel, Richard F., San Francisco, Cal. Aeroplane. No. 1,069,332; Aug. 5; Gaz. vol. 193; p. 85.
- Homo Company of America. (See Heath, Forrest A., assignor.)
- Honecker, Jacob J., Cleveland, Ohio. Ice-cream disher. No. 1,049,585; Jan. 7; Gaz. vol. 186; p. 92.
- Honey, William B., Mount Rainier, Md., assignor of one-fourth to E. F. Wilson and one-fourth to S. M. Wilson, Washington, D. C. Plumb-bob support. No. 1,080,448; Dec. 2; Gaz. vol. 197; p. 186.
- Hönig, Max, Brünn, Austria-Hungary. Tanning material and making same. No. 1,080,970; Dec. 9; Gaz. vol. 197; p. 397.
- Honig, Sigmund, New York, N. Y. Razor-sharpener. No. 1,077,934; Nov. 4; Gaz. vol. 196; p. 238.
- Honigsmann, Hans, Duluth, Minn. Automatic feeding device for printing-presses. No. 1,074,720; Oct. 7; Gaz. vol. 195; p. 46.
- Honiss, William H., *et al.* (See Merritt, Joseph, assignor.)
- Honn, David N., Redding, Cal. Producing fiber from hop-vines. No. 1,060,255; Apr. 29; Gaz. vol. 189; p. 1138.
- Honold, Gottlob, Stuttgart, Germany. Contact-breaker for electrical ignition in internal-combustion engines. No. 1,061,613; May 13; Gaz. vol. 190; p. 397.
- Honold, Gottlob, Stuttgart, Germany. Testing installation for electromagnetically-operated sparking plugs. No. 1,076,427; Oct. 21; Gaz. vol. 195; p. 688.
- Honold, Gottlob, assignor to Firm of R. Bosch, Stuttgart, Germany. Apparatus for starting multiple-cylinder internal-combustion engines. No. 1,063,541; June 3; Gaz. vol. 191; p. 125.
- Honold, Gottlob, assignor to Firm of R. Bosch, Stuttgart, Germany. Electrical ignition system for internal combustion engines. No. 1,063,542; June 3; Gaz. vol. 191; p. 125.
- Honold, Gottlob, assignor to Firm of R. Bosch, Stuttgart, Germany. Mechanical interrupter for electric ignition systems. No. 1,070,893; Aug. 19; Gaz. vol. 193; p. 687.
- Honold, Gottlob, assignor to Firm of R. Bosch, Stuttgart, Germany. Armature for magneto-induction machines. No. 1,072,120; Sept. 2; Gaz. vol. 194; p. 154.
- Honold, Gottlob, assignor to Firm of R. Bosch, Stuttgart, Germany. Armature for magneto-induction machines. No. 1,072,228; Sept. 2; Gaz. vol. 194; p. 189.
- Honold, Gottlob, Stuttgart, Germany, and O. Heins, New York, N. Y., assignors to Firm of R. Bosch, Stuttgart, Germany. Electric ignition system for internal-combustion motors. No. 1,066,904; July 8; Gaz. vol. 192; p. 377.
- Honolulu Iron Works Company. (See Ewart, Arthur F., assignor.)
- Honorof, David, Gary, Ind. Remover. No. 1,071,421; Aug. 26; Gaz. vol. 193; p. 898.
- Hood, Cladius W., Lamar, S. C. Agricultural machine. No. 1,051,589; Jan. 28; Gaz. vol. 186; p. 877.
- Hood, Edwin A., Pierre, S. D. Towel-holder. No. 1,077,072; Oct. 28; Gaz. vol. 195; p. 969.
- Hood, Harry H., assignor to Sprague Canning Machinery Company, Chicago, Ill. Packing cans. No. 1,071,051; Aug. 26; Gaz. vol. 193; p. 774.
- Hood, Irwin L., Constance, Ky., assignor of one-half to W. Winkelman, Cincinnati, Ohio. Mail-bag fastener. No. 1,076,037; Oct. 21; Gaz. vol. 195; p. 553.
- Hood Rubber Company. (See Earle, Richard B., assignor.)
- Hood Rubber Company. (See Earle and Kyriakides, assignors.)
- Hood Rubber Company. (See Glidden, Alfred A., assignor.)
- Hood, W. A. (See Horstmann, Frederick, assignor.)
- Hoodwin, Albert K., and E. J. Kipp, Michigan City, Ind. Picture-frame. No. 1,062,710; May 27; Gaz. vol. 190; p. 845.
- Hooper, Charles F., Spokane, Wash. Flange-oiler. No. 1,054,550; Feb. 25; Gaz. vol. 187; p. 1037.
- Hoofnagle, William T., Glen Ridge, N. J. Apparatus for the electrical treatment of gases or vapors. No. 1,051,810; Jan. 28; Gaz. vol. 186; p. 948.
- Hoofnagle, William T., Glen Ridge, N. J. Means for separating mixed gases. No. 1,056,026; Mar. 18; Gaz. vol. 188; p. 531.
- Hook, Charles H., Pittsburgh, Pa. Gas-burner. No. 1,077,073; Oct. 28; Gaz. vol. 195; p. 969.
- Hook, Charles H., Pittsburgh, Pa. Heater. No. 1,081,306; Dec. 16; Gaz. vol. 197; p. 545.
- Hook, Curnealus, Vigo, Ohio. Kiln. No. 1,073,045; Sept. 9; Gaz. vol. 194; p. 504.
- Hook, James, Manilla, Iowa. Buffing-gear for draw-bars. No. 1,080,279; Dec. 2; Gaz. vol. 197; p. 126.
- Hooker, Albert H., Niagara Falls, assignor to Hooker Electrochemical Company, New York, N. Y. Electrolytic cell. No. 1,075,570; Oct. 14; Gaz. vol. 195; p. 366.
- Hooker, Duncan C., assignor to The Johns-Pratt Company, Hartford, Conn. Fuse-housing. No. 1,049,362; Jan. 7; Gaz. vol. 186; p. 15.
- Hooker Electrochemical Company. (See Hooker, Albert H., assignor.)
- Hooker Electrochemical Company. (See Marsh, Clarence W., assignor.)
- Hooker Electrochemical Company. (See Ornstein, Georg, assignor.)
- Hooker Electrochemical Company. (See Stone, George W., assignor.)
- Hooker, Frank B., and W. J. Trempe, St. Johnsbury, Vt. Automatic felt-tightener for paper-making machines. No. 1,069,257; Aug. 5; Gaz. vol. 193; p. 60.
- Hooker, James H., Silverton, Tex. Rod-puller. No. 1,064,073; June 10; Gaz. vol. 191; p. 343.
- Hooker, Joseph L., Anderson, Ind. Fountain-brush. No. 1,065,610; June 24; Gaz. vol. 191; p. 934.
- Hooker, Thomas A., McDonald, Pa. Lock-nut. No. 1,061,842; May 13; Gaz. vol. 190; p. 470.
- Hooks, William L., Mars, assignor of one-half to S. E. Walters, Valencia, Pa. Attachment for brooms. No. 1,052,252; Feb. 4; Gaz. vol. 187; p. 141.
- Hooley, John W., New York, N. Y. Fuse. No. 1,074,434; Sept. 30; Gaz. vol. 194; p. 1068.
- Hooper, Charles S., and R. C. Stevens, Erie, Pa. Steam-superheater. No. 1,074,792; Oct. 7; Gaz. vol. 195; p. 71.
- Hooper, George J. (See Smith, Harry F., assignor.)
- Hooper, George W. (See Harrison and Hooper.)
- Hooper, John H. (See Wylie and Hooper.)
- Hoos, August F., South Omaha, Nebr. Truck. No. 1,069,653; Aug. 5; Gaz. vol. 193; p. 193.
- Hoose, Herbert H., Port Chester, N. Y. Molding-machine. No. 1,072,229; Sept. 2; Gaz. vol. 194; p. 190.
- Hoosier Manufacturing Company, The. (See Hall, Harry A., assignor.)
- Hoover, Christian, *et al.* (See Loy, William C., assignor.)
- Hoover, David B., Elizabethtown, Pa. Valve. No. 1,057,058; Mar. 25; Gaz. vol. 188; p. 915.
- Hoover, Edgar W., and J. A. Coleman, Danville, Ky. Railway track-motor. No. 1,075,420; Oct. 14; Gaz. vol. 195; p. 314.
- Hoover, Frank K., and A. J. Mason, Chicago, Ill. Brake mechanism for ore-handling apparatus. No. 1,053,509; Feb. 18; Gaz. vol. 187; p. 647.
- Hoover, Frederick G., *et al.* (See Buckhannon, William, assignor.)
- Hoover, Herbert W., Bayonne, N. J. Steam-boiler gage-cock. No. 1,072,850; Sept. 9; Gaz. vol. 194; p. 434.
- Hoover, Lee W., Nebraska, Pa. Ratchet-wrench. No. 1,081,117; Dec. 9; Gaz. vol. 197; p. 443.
- Hoover Suction Sweeper Company, The. (See Spangler, James M., assignor.)
- Hoover, Thomas A., Fresno, Cal. Vehicle-spring. No. 1,067,480; July 15; Gaz. vol. 192; p. 610.
- Hoover, Walter W., Liberal, Kans. Heading-shears. No. 1,055,910; Mar. 11; Gaz. vol. 188; p. 457.
- Hoover, Walter W., Liberal, Kans. Animal-trap. No. 1,065,130; June 17; Gaz. vol. 191; p. 734.

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- Hope, George F. W., Stanford le Hope, and H. W. J. Cheffins, Seaford, England. Ball or pebble mill. No. 1,054,415; Feb. 25; Gaz. vol. 187; p. 992.
- Hope, Henry D., Birmingham, England. Glazing windows and the like and device therefor. No. 1,077,074; Oct. 28; Gaz. vol. 195; p. 969.
- Hope-Jones, Robert, North Tonawanda, N. Y. Organ-stop mechanism. No. 1,077,075; Oct. 28; Gaz. vol. 195; p. 969.
- Hope-Jones, Robert, assignor to The Rudolph Wurlitzer Manufacturing Company, North Tonawanda, N. Y. Device for tuning reeds. No. 1,059,365; Apr. 22; Gaz. vol. 189; p. 796.
- Hope-Jones, Robert, assignor to The Rudolph Wurlitzer Manufacturing Company, North Tonawanda, N. Y. Tuning device for reed-organ pipes. No. 1,061,380; May 13; Gaz. vol. 190; p. 314.
- Hope-Jones, Robert, assignor to The Rudolph Wurlitzer Manufacturing Company, North Tonawanda, N. Y. Organ-swell. No. 1,062,711; May 27; Gaz. vol. 190; p. 845.
- Hope-Jones, Robert, assignor to The Rudolph Wurlitzer Manufacturing Company, North Tonawanda, N. Y. Tracker for automatic musical instruments. No. 1,070,471; Aug. 19; Gaz. vol. 193; p. 547.
- Hope, Patrick, Waseca, Minn. Station-indicator. No. 1,053,288; Feb. 18; Gaz. vol. 187; p. 570.
- Hope, Vernon, Manchester, England. Fusible cut-out for controlling electric circuits. No. 1,068,341; July 22; Gaz. vol. 192; p. 937.
- Hope, William H., Newark, N. J. Outlet-box. No. 1,072,462; Sept. 9; Gaz. vol. 194; p. 299.
- Hope, William J., Tunica, Miss. Broom. No. 1,063,797; June 3; Gaz. vol. 191; p. 217.
- Hope, William J., Tunica, Miss. Gravity-hinge. No. 1,065,807; June 24; Gaz. vol. 191; p. 1000.
- Hopedale Manufacturing Company. (See Northrop, Jonas, assignor.)
- Hopewell, Charles, Ottawa, Ontario, Canada. Flushing device. No. 1,079,555; Nov. 25; Gaz. vol. 196; p. 890.
- Hopewell, Charles F., Newton, Mass. Apparatus for recovering volatile solvents. No. 1,063,686; June 3; Gaz. vol. 191; p. 180.
- Hopper, Leslie F., Clearfield, Pa. Ceiling-block connector. No. 1,056,679; Mar. 18; Gaz. vol. 188; p. 754.
- Hopkins, Archibald E., and O. S. Fellows, Middletown, N. Y., assignors to Ideal Wrapping Machine Company. Automatic feeding and cutting mechanism for plastic material. No. 1,082,331; Dec. 23; Gaz. vol. 197; p. 921.
- Hopkins, Archibald E., and O. S. Fellows, Middletown, N. Y., assignors to Ideal Wrapping Machine Company. Wrapping-machine. No. 1,082,463; Dec. 23; Gaz. vol. 197; p. 963.
- Hopkins, Charles E., Taunton, Mass., assignor to Auto-plate Company of America, New York, N. Y. Cooling apparatus for stereotype-plates. No. 1,055,176; Mar. 4; Gaz. vol. 188; p. 175.
- Hopkins, Charles F., assignor to Ajax Metal Company, Philadelphia, Pa. Molding-machine. No. 1,054,294; Feb. 25; Gaz. vol. 187; p. 948.
- Hopkins, Charles L., Detroit, Mich. Photographic-film pack. No. 1,054,691; Mar. 4; Gaz. vol. 188; p. 12.
- Hopkins, Charles L., Chicago, Ill., assignor to The Curtain Supply Company, Newark, N. J. Spring shade-roller. No. 1,068,054; July 22; Gaz. vol. 192; p. 837.
- Hopkins, Edward J., deceased, Saginaw, Mich; J. E. Hopkins, executrix. Beet-rootlet catcher. No. 1,073,758; Sept. 23; Gaz. vol. 194; p. 814.
- Hopkins, Ezra F., Chicago, Ill. Power-generating apparatus. No. 1,069,424; Aug. 5; Gaz. vol. 193; p. 118.
- Hopkins, Frank H. (See Dorey, George B., assignor.)
- Hopkins, Frank W., Seattle, Wash. Lawn-sprinkler. No. 1,049,483; Jan. 7; Gaz. vol. 186; p. 55.
- Hopkins, Harvey L., assignor to Hopkins Patent Company, Chicago, Ill. Mowing-machine. No. 1,051,409; Jan. 28; Gaz. vol. 186; p. 815.
- Hopkins, Harvey L., Chicago, Ill., assignor to Hopkins Patent Company. Mower and harvester. No. 1,054,773; Mar. 4; Gaz. vol. 188; p. 42.
- Hopkins, Hiram F., North Girard, Pa. Boat. No. 1,071,422; Aug. 26; Gaz. vol. 193; p. 898.
- Hopkins, Hubert, assignor to Moon-Hopkins Billing Machine Company, St. Louis, Mo. Calculating-machine. No. 1,080,694; Dec. 9; Gaz. vol. 197; p. 300.
- Hopkins, James M., Chicago, Ill. Car-door. No. 1,053,510; Feb. 18; Gaz. vol. 187; p. 647.
- Hopkins, James M., Chicago, Ill. Sliding-door fastener. No. 1,071,745; Sept. 2; Gaz. vol. 194; p. 26.
- Hopkins, James M., and P. M. Elliott, Chicago, Ill. Center-bearing for cars. No. 1,069,699; Aug. 12; Gaz. vol. 193; p. 239.
- Hopkins, James R., assignor of one-half to W. C. Woods, Vine Grove, Ky. Shoe-fastener. No. 1,056,680; Mar. 18; Gaz. vol. 188; p. 754.
- Hopkins, James R., assignor of one-half to W. C. Woods, Vine Grove, Ky. Umbrella. No. 1,070,894; Aug. 19; Gaz. vol. 193; p. 687.
- Hopkins, Jane E., executrix. (See Hopkins, Edward J.)
- Hopkins, Matthew S., Roland Park, and C. R. Barnett, Baltimore, Md., assignors to Separate Recovery Company, Alexandria, Va. Apparatus for drying and recovering valuable precipitates. No. 1,049,715; Jan. 7; Gaz. vol. 186; p. 136.
- Hopkins, Nevil M., Washington, D. C., assignor, by mesne assignments, to The Electric Tachometer Company, Philadelphia, Pa. Electromagnetic tachometer. No. 1,055,911; Mar. 11; Gaz. vol. 188; p. 457.
- Hopkins, Nevil M., Washington, D. C., assignor, by mesne assignments, to The Electric Tachometer Company, Philadelphia, Pa. Circuit-controller. No. 1,058,587; Apr. 8; Gaz. vol. 189; p. 453.
- Hopkins, Nevil M., Washington, D. C., assignor, by mesne assignments, to The Electric Tachometer Company, Philadelphia, Pa. Electromagnetic tachometer. No. 1,078,200; Nov. 11; Gaz. vol. 196; p. 360.
- Hopkins, Nevil M., Washington, D. C., assignor to The Terpezone Company, New York, N. Y. Ozonizer. No. 1,062,974; May 27; Gaz. vol. 190; p. 931.
- Hopkins Patent Company. (See Hopkins, Harvey L., assignor.)
- Hopkins, Richard M., New York, N. Y., assignor to The American District Telegraph Company. Electric signaling system. No. 1,075,421; Oct. 14; Gaz. vol. 195; p. 314.
- Hopkins, Thomas A., New York, N. Y. Surgical instrument. No. 1,080,554; Dec. 9; Gaz. vol. 197; p. 254.
- Hopkins, William H., and W. R. Wilson, Oakland, Cal. Floor-mat. No. 1,072,729; Sept. 9; Gaz. vol. 194; p. 391.
- Hopkins, William L., New York, N. Y. Portable power-saw. No. 1,061,381; May 13; Gaz. vol. 190; p. 315.
- Hopkins, William W., assignor to Moon-Hopkins Billing Machine Company, St. Louis, Mo. Calculating-machine. No. 1,049,716; Jan. 7; Gaz. vol. 186; p. 136.
- Hopkins, William W., assignor to Moon-Hopkins Billing Machine Company, St. Louis, Mo. Calculating-machine. No. 1,069,953; Aug. 12; Gaz. vol. 193; p. 327.
- Hopkins, William W., assignor to Moon-Hopkins Billing Machine Company, St. Louis, Mo. Calculating-machine. No. 1,070,034; Aug. 12; Gaz. vol. 193; p. 355.
- Hopkins, Willis B. (See Abbott and Hopkins.)
- Hopkinson, Ernest, East Orange, N. J. Vehicle-wheel. No. 1,065,942; July 1; Gaz. vol. 192; p. 13.
- Hopkinson, Joseph, Dayton, Ohio. Spring-balance scale. No. 1,065,808; June 24; Gaz. vol. 191; p. 1000.
- Hopkinson, Joseph, Dayton, Ohio. Knife-edge bearing. No. 1,067,341; July 15; Gaz. vol. 192; p. 563.
- Hopkinson, Joseph, Dayton, Ohio. Computing-scale. No. 1,077,935; Nov. 4; Gaz. vol. 196; p. 238.
- Hopkinson, Joseph, assignor to Computing Scale Company, Dayton, Ohio. Computing-scale. No. 1,050,832; Jan. 21; Gaz. vol. 186; p. 584.
- Hopkinson, Richard H. and V., Bradford, England. Adaptable motor-car body. No. 1,083,097; Dec. 30; Gaz. vol. 197; p. 1216.
- Hopkinson, Vincent. (See Hopkinson, Richard H. and V.)
- Hopmann, Charles H., St. Louis, Mo. Metallic window. No. 1,067,608; July 15; Gaz. vol. 192; p. 653.
- Hoppe, Gerhard. (See Herzberg and Hoppe.)
- Hopple, David M., Hopkins, Mo. Planter-marker. No. 1,068,903; July 29; Gaz. vol. 192; p. 1171.
- Hoppock, Murray J., Frankfort, Mich. Electric-lamp switch. No. 1,055,177; Mar. 4; Gaz. vol. 188; p. 175.
- Hora, Albert. (See Sedlak and Hora.)
- Horanszky, John, Chicago, Ill. Propelling means for children's vehicles. No. 1,069,258; Aug. 5; Gaz. vol. 193; p. 60.
- Hordis, Charles J., Jeannette, Pa. Envelop. No. 1,069,549; Aug. 5; Gaz. vol. 193; p. 159.
- Horger, Thomas P., Orangeburg, S. C. Combined railway-tie and rail-fastening. No. 1,056,543; Mar. 18; Gaz. vol. 188; p. 709.
- Horinko, Leonard. (See Roycourt and Horinko.)
- Horix, Carl, Toledo, Ohio. Ditching-machine. No. 1,064,733; June 17; Gaz. vol. 191; p. 606.
- Hörlein, Heinrich, Vohwinkel, near Elberfeld, and W. Kropp, assignors to Farbenfabriken vorm. Friedr. Bayer & Co., Elberfeld, Germany. Phenylallylbarbituric acid. No. 1,056,793; Mar. 25; Gaz. vol. 188; p. 824.
- Hornby, John, Springfield, Mass., assignor to The Button Machinery Company, New York, N. Y. Button-making machine. No. 1,054,349; Feb. 25; Gaz. vol. 187; p. 969.
- Hornel, August, New York, N. Y. Wind-shield for automobile-radiators. No. 1,060,187; Apr. 29; Gaz. vol. 189; p. 1113.
- Horn, Aaron C., New York, N. Y. Transparent waterproofing. No. 1,073,129; Sept. 16; Gaz. vol. 194; p. 571.
- Horn, Aaron C., New York, N. Y. Plastic waterproof troweling compound. No. 1,074,364; Sept. 30; Gaz. vol. 194; p. 1044.
- Horn, Aaron C., New York, N. Y. Pigmented plastic waterproof troweling composition. No. 1,080,632; Dec. 9; Gaz. vol. 197; p. 279.
- Horn, Bernard. (See Horn, Herman, B., and P.)
- Horn, Felix B., and A. Wagner, assignors to Wagner Manufacturing Company, Cedar Falls, Iowa. Sheet-metal wheel. No. 1,078,581; Nov. 11; Gaz. vol. 196; p. 491.

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- Horn, George A., Newark, N. Y. Lamp-burner attachment. No. 1,059,732; Apr. 22; Gaz. vol. 189; p. 919.
- Horn, Herman, B., and P., Washita county, Okla. Valve-grinding tool. No. 1,073,686; Sept. 23; Gaz. vol. 194; p. 788.
- Horn, Peter. (See Horn, Herman, B., and P.)
- Horn, William H., Jr., Philadelphia, Pa. Attachment for knitting-machines. No. 1,053,603; Feb. 18; Gaz. vol. 187; p. 680.
- Horn, William P., Mount Vernon, N. Y. Lighting-fixture. No. 1,077,983; Nov. 11; Gaz. vol. 196; p. 286.
- Hornbeck, Lloyd B., Minneapolis, Minn. Electric switch-box. No. 1,069,425; Aug. 5; Gaz. vol. 193; p. 118.
- Hornbostel, Adolph H. C., Waverly, Mo. Sales-rack for wire-cloth. No. 1,059,160; Apr. 15; Gaz. vol. 189; p. 690.
- Hornbostel, Adolph H. C., and J. H. Croswhite, Waverly, Mo. Computing device. No. 1,074,433; Sept. 30; Gaz. vol. 194; p. 1067.
- Hornby, Frank, Liverpool, England. Belt-fastener. No. 1,065,943; July 1; Gaz. vol. 192; p. 14.
- Hornby, Frank, Liverpool, England. Perforated plate. No. 1,079,245; Nov. 18; Gaz. vol. 196; p. 754.
- Horne, James. (See Dawson and Horne.)
- Horne, James H. (See Stevens and Horne.)
- Horne, Joseph A., assignor to The Yale & Towne Manufacturing Company, Stamford, Conn. Coin-controlled lock. No. 1,055,178; Mar. 4; Gaz. vol. 188; p. 175.
- Horner, Junius M. (See Moore, Theophilus W., assignor.)
- Horner, Scott, St. Louis, Mo. Lining for sewers and the like. No. 1,050,137; Jan. 14; Gaz. vol. 186; p. 311.
- Hornig, August W., Chicago, Ill. Glass-grinding machine. No. 1,075,714; Oct. 14; Gaz. vol. 195; p. 414.
- Horning, James L. (See Heinle, Albert W., assignor.)
- Hornqvist, Arnold, Seattle, Wash. Automatic sacking-machine. No. 1,058,865; Apr. 15; Gaz. vol. 189; p. 588.
- Hornung, Charles G., Buffalo, assignor to Cinch Repair Kit Company, Lockport, N. Y. Puncture-closing device. No. 1,057,241; Mar. 25; Gaz. vol. 188; p. 979.
- Hornung, Timothy F., Sacramento, Cal. Outlet-gate. No. 1,064,908; June 17; Gaz. vol. 191; p. 661.
- Hornung, Timothy F., Sacramento, Cal. Water-supply system. No. 1,077,473; Nov. 4; Gaz. vol. 196; p. 83.
- Horr, Myron E., Vancouver, British Columbia, Canada. Chamber attachment. No. 1,076,886; Oct. 28; Gaz. vol. 195; p. 904.
- Horrax, Firm of Edwin. (See Sieven, Louis, assignor.)
- Horrell, Robert L., La Garenne-Colombe, France. Machine for hot-lacquering metal tubes. No. 1,070,035; Aug. 12; Gaz. vol. 193; p. 355.
- Horsfield, John, Los Angeles, Cal. Metallic truss block-binder. No. 1,051,332; Jan. 21; Gaz. vol. 186; p. 756.
- Horsfield, John, Los Angeles, Cal. Sliding metallic block-binder. No. 1,069,065; July 29; Gaz. vol. 192; p. 1225.
- Horsley, David, Bayonne, N. J. Photographic-printing machine. No. 1,059,296; Apr. 15; Gaz. vol. 189; p. 736.
- Horst, Emil C., San Francisco, Cal. Apparatus for picking hops. No. 1,054,119; Feb. 25; Gaz. vol. 187; p. 890.
- Horst, Emil C., assignor to E. Clemens Horst Company, San Francisco, Cal. Hop-separating cylinder. No. 1,054,120; Feb. 25; Gaz. vol. 187; p. 890.
- Horst, Emil C., assignor to E. Clemens Horst Company, San Francisco, Cal. Hop-cluster machine. No. 1,054,121; Feb. 25; Gaz. vol. 187; p. 890.
- Horst, Emil C., assignor to E. Clemens Horst Company, San Francisco, Cal. Arm and cluster picker. No. 1,054,122; Feb. 25; Gaz. vol. 187; p. 891.
- Horst, Emil C., assignor to E. Clemens Horst Company, San Francisco, Cal. Picking hops. No. 1,054,551; Feb. 25; Gaz. vol. 187; p. 1037.
- Horst, George C., assignor to J. A. Jeffrey, Columbus, Ohio. Conveyer. No. 1,052,253; Feb. 4; Gaz. vol. 187; p. 142.
- Horst, Heinrich. (See Brune and Horst.)
- Horstmann, Frederick, assignor of one-fourth to W. A. Hood, Ashland, Ky. Grain scourer or cleaner. No. 1,074,052; Sept. 23; Gaz. vol. 194; p. 911.
- Horton, Aaron, Coleman, Mich. Cushioning device. No. 1,069,333; Aug. 5; Gaz. vol. 193; p. 85.
- Horton, Aaron, Coleman, Mich. Transportation system. No. 1,070,472; Aug. 19; Gaz. vol. 193; p. 548.
- Horton, Albert J., White Plains, N. Y., assignor to The Cutler-Hammer Mfg. Co., Milwaukee, Wis. Motor-controller. No. 1,066,616; July 8; Gaz. vol. 192; p. 278.
- Horton, Alfred K., Wichita, Kans. Harrow. No. 1,059,672; Apr. 22; Gaz. vol. 189; p. 900.
- Horton, Charles M., Elizabeth, N. J., assignor to The Singer Manufacturing Company. Thread-cutting device. No. 1,051,998; Feb. 4; Gaz. vol. 187; p. 52.
- Horton, Fred E., et al. (See Lind, James A., assignor.)
- Horton, George R. (See Holt and Horton.)
- Horton Manufacturing Company, The. (See Treadwell, Charles A., assignor.)
- Horton, Marcus H. (See Pembroke, George H., assignor.)
- Horvath, Geza, assignor of one-half to A. Pataky, Detroit, Mich. Bearing. No. 1,055,398; Mar. 11; Gaz. vol. 188; p. 287.
- Horvitz, David. (See Smith and Horvitz.)
- Horwitz, Benjamin A. (See Esterly and Horwitz.)
- Hosack, Ida R. (See Hosack, Margaret H. and I. R.)
- Hosack, Margaret H. and I. R., Topeka, Kans. Napkin or skirt-protector. No. 1,058,000; Apr. 1; Gaz. vol. 189; p. 206.
- Hosack, Thomas T., Oil City, Pa. Washboard. No. 1,067,919; July 22; Gaz. vol. 192; p. 791.
- Hosek, Charley J., Olivia, Minn. Extension wagon-pole. No. 1,049,717; Jan. 7; Gaz. vol. 186; p. 137.
- Hösel, Kurt A. W., Dresden, Germany. Station-indicator for railway-cars, &c. No. 1,056,681; Mar. 18; Gaz. vol. 188; p. 755.
- Hosey, William, Success, Ark. Ironing-table. No. 1,079,490; Nov. 25; Gaz. vol. 196; p. 867.
- Hosford, William F., West Chicago, Ill., assignor to Western Electric Company, New York, N. Y. Coin-collector. No. 1,076,285; Oct. 21; Gaz. vol. 195; p. 637.
- Hoskins, Adelmour M., Minneapolis, Minn. Differential adjusting-rod for drums. No. 1,077,347; Nov. 4; Gaz. vol. 196; p. 37.
- Hoskins, Eugene T. (See Burpee, John H., assignor.)
- Hoskins, Lawrence, Plainville, Ill. Vehicle-wheel. No. 1,060,256; Apr. 29; Gaz. vol. 189; p. 1138.
- Hoskins Manufacturing Company. (See Marsh, Albert L., assignor.)
- Hoskyn, Jethro, Calgary, Alberta, Canada. Hammer. No. 1,064,830; June 17; Gaz. vol. 191; p. 637.
- Hosler, John, assignor to W. O. Hosler, Llewellyn, Pa. Combined phonograph and graphophone and operative mechanism therefor. No. 1,063,262; June 3; Gaz. vol. 191; p. 31.
- Hosler, William O. (See Hosler, John, assignor.)
- Hosmer, Edward E., East Lynn, Mass. Bicycle-propelled chair. No. 1,059,466; Apr. 22; Gaz. vol. 189; p. 832.
- Hosmer, Edward E., East Lynn, Mass. Antiskidding attachment to auto-wheels. No. 1,069,137; Aug. 5; Gaz. vol. 193; p. 16.
- Hostetler, David W., Thompsettown, Pa. Vehicle-brake. No. 1,070,686; Aug. 19; Gaz. vol. 193; p. 620.
- Hotakold Valve Co. (See Holzhausen, Richard C. A., assignor.)
- Hotaling, Irving L., Riverton, assignor to The Curtain Supply Company, Newark, N. J. Curtain-fixture. No. 1,050,459; Jan. 14; Gaz. vol. 186; p. 423.
- Hotaling, Omar J., Carlstadt, N. J. Vending-machine. No. 1,072,947; Sept. 9; Gaz. vol. 194; p. 471.
- Hotchkin, Paul M., Chicago, Ill. Reflector-supporting bracket. No. 1,056,176; Mar. 18; Gaz. vol. 188; p. 583.
- Hotchkiss, Clarence F., et al. (See Stow, Eli H., assignor.)
- Hotchkiss, James M., Burlington, Vt. Apparatus for cleaning gold, silver, and other metal ware. No. 1,068,388; July 22; Gaz. vol. 192; p. 952.
- Hott, Edward E., Chillicothe, Ohio. Fender construction for cars. No. 1,057,429; Apr. 1; Gaz. vol. 189; p. 13.
- Hotz, Robert S. (See Bruman, Otto F., assignor.)
- Houben, Josef, Berlin, assignor to J. D. Riedel Aktien-gesellschaft, Berlin-Britz, Germany. Manufacture of nitroso derivatives of phenyl-glycin-ortho-carboxylic acid. No. 1,079,246; Nov. 18; Gaz. vol. 196; p. 754.
- Houchins, Henry M., Beckley, W. Va. Potato-digger. No. 1,083,098; Dec. 30; Gaz. vol. 197; p. 1217.
- Houck, John D., Chicago, Ill. Necktie-holder. No. 1,076,121; Oct. 21; Gaz. vol. 195; p. 583.
- Houdaille, Maurice, assignor to Société Houdaille & Sabot, Paris, France. Means for regulating and lubricating a laminated spring. No. 1,050,138; Jan. 14; Gaz. vol. 186; p. 311.
- Houdek, Fred B., Cuba, Kans. Motor-plow. No. 1,063,798; June 3; Gaz. vol. 191; p. 217.
- Hougas, Willie E., and F. W. Rauch, Lamoni, Iowa. Wire-splicer. No. 1,072,332; Sept. 2; Gaz. vol. 194; p. 223.
- Hough, Joseph H., Torrington, Conn. Carriage for wire-die holders. No. 1,051,889; Feb. 4; Gaz. vol. 187; p. 14.
- Hough, Walter A., Lyons, N. Y. Railway road-bed. No. 1,073,046; Sept. 9; Gaz. vol. 194; p. 505.
- Hough, William S., Jr. (See Wiley and Hough.) (Re-issue.)
- Houghton, Alanson B., et al. (See Chowning, Le Roy C., assignor.)
- Houghton, Alfred M. (See Baltzley, Louis E., assignor.)
- Houghton, Arthur A., et al. (See Chowning, Le Roy C., assignor.)
- Houghton, Ella V., Philadelphia, Pa. Removable sanitary hat-lining. No. 1,077,833; Nov. 4; Gaz. vol. 196; p. 202.
- Houghton, George H., Albany, N. Y. Surgical apparatus. No. 1,055,462; Mar. 11; Gaz. vol. 188; p. 309.
- Houghton, Harry. (See Crawford, James B., assignor.)
- Houghton, Lewis T. (See Pierce and Provencher, assignors.)
- Houghton, Lewis T., Worcester, Mass. Thread-guide for spinning or twisting machines. No. 1,070,036; Aug. 12; Gaz. vol. 193; p. 356.
- Houghton, Orley C., assignor to H. E. and J. E. Bullock, Chicago, Ill. Cotton-picker. No. 1,074,622; Oct. 7; Gaz. vol. 195; p. 11.
- Houghton and Richards. (See Hunter, George C., assignor.)

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- Houghton, Willard, Seattle, Wash. Releasable car-stake. No. 1,056,753; Mar. 18; Gaz. vol. 188; p. 782.
- Houghton, Willard, Seattle, Wash. Car-stake and bunk. No. 1,068,401; July 22; Gaz. vol. 192; p. 956.
- Houghton, Willard, assignor of one-half to P. Barnes, Seattle, Wash. Logging-car bunk. No. 1,082,464; Dec. 23; Gaz. vol. 197; p. 963.
- Houghton, William, Bath, Me. Door for ships' bulkheads. No. 1,078,095; Nov. 11; Gaz. vol. 196; p. 325.
- Hougland, Albert C., Madison, Wis. Attachment for vacuum carpet-cleaners. No. 1,053,035; Feb. 11; Gaz. vol. 187; p. 438.
- Houle, Henry. (See McKinney and Houle.)
- Houlston, Frederick W., Toronto, Ontario, Canada. Phonographic horn. No. 1,069,642; Aug. 5; Gaz. vol. 193; p. 190.
- Housdorfer, Reinhold G., Toledo, Ohio. Die for forming axles. No. 1,050,460; Jan. 14; Gaz. vol. 186; p. 424.
- House, Henry A., Bridgeport, Conn. Knockdown metal barrel. No. 1,078,621; Nov. 18; Gaz. vol. 196; p. 537.
- House, Luzerne W., Gloversville, N. Y. Lap-robe for automobiles, &c. No. 1,073,237; Sept. 16; Gaz. vol. 194; p. 609.
- House, Samuel N., St. Louis, Mo. Tire-shrinking machine. No. 1,060,339; Apr. 29; Gaz. vol. 189; p. 1168.
- Houseman, Harold E., assignor to Standard Machine Company, Philadelphia, Pa. Needle-picker for circular-knitting machines. No. 1,078,676; Nov. 18; Gaz. vol. 196; p. 556.
- Houseman, Harry A., assignor to Standard Machine Company, Philadelphia, Pa. Circular-knitting machine. No. 1,078,677; Nov. 18; Gaz. vol. 196; p. 557.
- Houseman, Harry A., assignor to Standard Machine Company, Philadelphia, Pa. Stop-motion for circular-knitting machines. No. 1,078,678; Nov. 18; Gaz. vol. 196; p. 557.
- Houseman, Harry A., assignor to Standard Machine Company, Philadelphia, Pa. Circular-knitting machine. No. 1,078,679; Nov. 18; Gaz. vol. 196; p. 558.
- Houseman, Harry A., assignor to Standard Machine Company, Philadelphia, Pa. Take-up motion for circular-knitting machines. No. 1,078,680; Nov. 18; Gaz. vol. 196; p. 559.
- Houseman, Harry A., assignor to Standard Machine Company, Philadelphia, Pa. Circular-knitting machine. No. 1,078,681; Nov. 18; Gaz. vol. 196; p. 559.
- Houser, Arthur M., assignor to Crane Company, Chicago, Ill. Self-closing basin-faucet. No. 1,069,876; Aug. 12; Gaz. vol. 193; p. 301.
- Houser, Arthur M., assignor to Crane Company, Chicago, Ill. Closet-flushing mechanism. No. 1,081,502; Dec. 16; Gaz. vol. 197; p. 612.
- Houser, Daniel R., assignor to J. Rose, Lancaster, Pa. Fabric for umbrella-covers. No. 1,074,053; Sept. 23; Gaz. vol. 194; p. 912.
- Houser, James A., Marion, Ind. Distilling apparatus. No. 1,082,525; Dec. 30; Gaz. vol. 197; p. 1018.
- Houser, Truman A., Dorranceton, Pa. Composition for tempering steel. No. 1,056,277; Mar. 18; Gaz. vol. 188; p. 617.
- Houseweller, Joseph. (See Andres, Charles M., assignor.)
- Housh, Frank E., Winthrop, Mass. Loose-leaf book. No. 1,069,700; Aug. 12; Gaz. vol. 193; p. 240.
- Housh, Frank E., Winthrop, Mass. Picture-mount. No. 1,080,219; Dec. 2; Gaz. vol. 197; p. 105.
- Houskeeper, William G. (See Dunning and Houskeeper.)
- Houskeeper, William G., Philadelphia, Pa., assignor to Westinghouse Lamp Company. Electric-current regulator. No. 1,049,484; Jan. 7; Gaz. vol. 186; p. 55.
- Houskeeper, William G., Philadelphia, Pa., assignor to Westinghouse Lamp Company. Preparing filaments for incandescent lamps. No. 1,059,366; Apr. 22; Gaz. vol. 189; p. 797.
- Housley, Robert B., Las Vegas, Nev. Flue connection for fire-sheets. No. 1,080,009; Dec. 2; Gaz. vol. 197; p. 31.
- Houston, Charles L., Astoria, Oreg. Device for sinking strainers. No. 1,067,173; July 8; Gaz. vol. 192; p. 468.
- Houston, Jasper W., Selma, La. Sprocket-gearing. No. 1,055,912; Mar. 11; Gaz. vol. 188; p. 458.
- Houston, John J., Wylie, Tex. Windmill. No. 1,063,973; June 10; Gaz. vol. 191; p. 308.
- Houston, Percival T. (See Alston and Houston.)
- Hover-Incubator Manufacturing Company. (See Thomson, Thomas N., assignor.)
- Hover, William E., *et al.* (See Daoust, John, assignor.)
- Hoverter, Sherman H., *et al.* (See Hinds, William A., assignor.)
- Hovey, Joseph, Florida, Ohio. Feeder for threshing-machines. No. 1,061,478; May 13; Gaz. vol. 190; p. 349.
- Hovland, Abraham N., Melsomvik, near Stakke, Norway. Signal system. No. 1,073,130; Sept. 16; Gaz. vol. 194; p. 571.
- Hovland, Anton I., St. Paul, Minn. Traction-machine. No. 1,063,200; June 3; Gaz. vol. 191; p. 11.
- Hovorka, Anton, Chicago, Ill. Crate. No. 1,081,831; Dec. 16; Gaz. vol. 197; p. 721.
- Howard, Albert S., Providence, assignor to Smith Webbing Company, Pawtucket, R. I. Holder for webbing. No. 1,076,635; Oct. 21; Gaz. vol. 195; p. 763.
- Howard, Bryant H. (See Master, James W., assignor.)
- Howard, Charles, New York, N. Y. Obtaining rosin and turpentine from wood. No. 1,082,526; Dec. 30; Gaz. vol. 197; p. 1018.
- Howard, Charles H., Greenfield, Ill. Door-hanger. No. 1,050,656; Jan. 14; Gaz. vol. 186; p. 489.
- Howard, Charles M., New York, N. Y. Pattern for blbs. No. 1,056,903; Mar. 25; Gaz. vol. 188; p. 862.
- Howard, Clarence H., assignor to Locomotive Tender Frame Company, St. Louis, Mo. Cast-steel underframe for cars. No. 1,056,904; Mar. 25; Gaz. vol. 188; p. 862.
- Howard, Clarence H., assignor to Locomotive Tender Frame Company, St. Louis, Mo. Cast-steel underframe for cars. No. 1,060,090; Apr. 29; Gaz. vol. 189; p. 1080.
- Howard, Clarence H., assignor to Locomotive Tender Frame Company, St. Louis, Mo. Cast-steel underframe for cars. No. 1,066,818; July 8; Gaz. vol. 192; p. 348.
- Howard, Clarence H., assignor to Commonwealth Steel Company, St. Louis, Mo. Car side-door-frame bottom member. No. 1,074,793; Oct. 7; Gaz. vol. 195; p. 71.
- Howard, Clarence H., and H. M. Pflager, assignors to Commonwealth Steel Company, St. Louis, Mo. Car-truck frame. No. 1,052,483; Feb. 11; Gaz. vol. 187; p. 251.
- Howard, Clarence H., and H. M. Pflager, assignors to Commonwealth Steel Company, St. Louis, Mo. Car-truck. No. 1,060,091; Apr. 29; Gaz. vol. 189; p. 1080.
- Howard, Clarence H., and H. M. Pflager, assignors to Commonwealth Steel Company, St. Louis, Mo. Electric-motor truck. No. 1,060,092; Apr. 29; Gaz. vol. 189; p. 1080.
- Howard, Clarence H., and H. M. Pflager, assignors to Commonwealth Steel Company, St. Louis, Mo. Car-truck. No. 1,061,078; May 6; Gaz. vol. 190; p. 178.
- Howard, Clarence H., and H. M. Pflager, assignors to Commonwealth Steel Company, St. Louis, Mo. Car-truck. No. 1,066,819; July 8; Gaz. vol. 192; p. 348.
- Howard, Clarence H., and H. M. Pflager, assignors to Double Body Bolster Company, St. Louis, Mo. Car-truck frame. No. 1,052,922; Feb. 11; Gaz. vol. 187; p. 401.
- Howard, Clarence H., and H. M. Pflager, assignors to Double Body Bolster Company, St. Louis, Mo. Dynamo suspension-bar for car-trucks. No. 1,068,657; July 29; Gaz. vol. 192; p. 1084.
- Howard, Clarence H., and H. M. Pflager, assignors to Double Body Bolster Company, St. Louis, Mo. Truck construction. No. 1,080,553; Dec. 9; Gaz. vol. 197; p. 254.
- Howard, Clarence H., and H. M. Pflager, assignors to Double Body Bolster Company, St. Louis, Mo. Truck construction. No. 1,080,556; Dec. 9; Gaz. vol. 197; p. 254.
- Howard, Clarence H., and H. M. Pflager, assignors to Double Body Bolster Company, St. Louis, Mo. Truck construction. No. 1,080,557; Dec. 9; Gaz. vol. 197; p. 255.
- Howard, Clarence H., and H. M. Pflager, assignors to Double Body Bolster Company, St. Louis, Mo. Truck construction. No. 1,080,558; Dec. 9; Gaz. vol. 197; p. 255.
- Howard, Clarence H., and H. M. Pflager, assignors to Double Body Bolster Company, St. Louis, Mo. Truck construction. No. 1,080,559; Dec. 9; Gaz. vol. 197; p. 255.
- Howard, Clarence H., and C. T. Westlake, assignors to Double Body Bolster Company, St. Louis, Mo. Car-underframe. No. 1,058,058; Apr. 8; Gaz. vol. 189; p. 270.
- Howard, Daniel, Kenosha, Wis. Tool-holder. No. 1,060,340; Apr. 29; Gaz. vol. 189; p. 1169.
- Howard, Edward D., Buffalo, N. Y. Addressing-machine. No. 1,072,463; Sept. 9; Gaz. vol. 194; p. 299.
- Howard, Francis H., Houston, Tex. Concrete construction. No. 1,072,230; Sept. 2; Gaz. vol. 194; p. 190.
- Howard, Frank W., New York, N. Y. Fountain-pen. No. 1,068,402; July 22; Gaz. vol. 192; p. 957.
- Howard, Guy C., Seattle, Wash. Production of mechanical wood-pulp. No. 1,057,151; Mar. 25; Gaz. vol. 188; p. 948.
- Howard, Henry, Boston, Mass. Liquid-flow indicator. No. 1,049,718; Jan. 7; Gaz. vol. 186; p. 137.
- Howard, Henry, Boston, Mass. Acid-pump. No. 1,051,410; Jan. 28; Gaz. vol. 186; p. 816.
- Howard, Henry, Boston, Mass. Dust-separator. No. 1,071,234; Aug. 26; Gaz. vol. 193; p. 836.
- Howard, James H., *et al.* (See Thomson, John A., assignor.)
- Howard, Joseph L., *et al.* (See Thomson, John A., assignor.)
- Howard, Lemuel F. (See Hobson and Howard.)
- Howard, Leslie E., Lockport, N. Y., assignor to Simonds Manufacturing Company, Fitchburg, Mass. Ingot casting and compression machine. No. 1,056,101; Mar. 18; Gaz. vol. 188; p. 556.

Alphabetical list of patentees—Continued.

- Howard, Leslie E., La Grange, Ill., assignor to Simonds Manufacturing Company, Fitchburg, Mass. Electric melting-furnace. No. 1,076,887; Oct. 28; Gaz. vol. 195; p. 904.
- Howard, Mentor, Corvallis, Oreg. Electric sterilizer for liquids. No. 1,056,335; Mar. 18; Gaz. vol. 188; p. 635.
- Howard, Paul R., *et al.* (See Mix, Allen H., assignor.)
- Howard, Russell P. (See Sievers and Howard.)
- Howard, Thomas J., Gilman, Ill. Barber's chair. No. 1,073,419; Sept. 16; Gaz. vol. 194; p. 673.
- Howard, Victor, and J. P. Wrigley, Oakland, Cal. Changeable headlight. No. 1,080,110; Dec. 2; Gaz. vol. 197; p. 68.
- Howard, Walter A., *et al.* (See Corns, John L., assignor.)
- Howarth, Robert H., Rothschild, Wis. Portable duplex grinder. No. 1,061,843; May 13; Gaz. vol. 190; p. 471.
- Howden, Andrew F., Skidmore, Mo. Seed-corn and grain crate. No. 1,076,038; Oct. 21; Gaz. vol. 195; p. 554.
- Howden, James, Glasgow, Scotland. Water-tube steam-boiler. No. 1,066,111; July 1; Gaz. vol. 192; p. 73.
- Howe, Alfred H., New York, N. Y. Towel-rack. No. 1,064,734; June 17; Gaz. vol. 191; p. 606.
- Howe, Charles E., Rochester, N. Y., assignor to United Shoe Machinery Company, Paterson, N. J. Attachment for grinding-machines. No. 1,056,419; Mar. 18; Gaz. vol. 188; p. 664.
- Howe, Charles E., Rochester, N. Y., assignor to United Shoe Machinery Company, Paterson, N. J. Cutting-machine. No. 1,070,133; Aug. 12; Gaz. vol. 193; p. 389.
- Howe, Clarence B., Utica, N. Y. Garment steaming and pressing machine. No. 1,080,695; Dec. 9; Gaz. vol. 197; p. 301.
- Howe, Clarence O. S., Montclair, N. J. Surgical instrument. No. 1,079,128; Nov. 18; Gaz. vol. 196; p. 715.
- Howe, Edwin A., Bancroft, Iowa. Automobile-tire. No. 1,079,175; Nov. 18; Gaz. vol. 196; p. 731.
- Howe, Frank C. (See Marcy, Herbert E., assignor.)
- Howe, Frederick, and F. Burnor, Deerfield, Mich. Spoke-fastener. No. 1,064,909; June 17; Gaz. vol. 191; p. 661.
- Howe, George A., Pittsburgh, Pa. Apparatus for casting metals. No. 1,058,059; Apr. 8; Gaz. vol. 189; p. 270.
- Howe, Glenn G. and L. C., Indianapolis, Ind., assignors to Link-Belt Company, Chicago, Ill. Drive-chain. No. 1,082,332; Dec. 23; Gaz. vol. 197; p. 922.
- Howe, Harry C., assignor to Owatonna Manufacturing Company, Owatonna, Minn. Combined disk drill and harrow. No. 1,075,211; Oct. 7; Gaz. vol. 195; p. 215.
- Howe, John C., assignor of one-half to D. M. Moroney, Indianapolis, Ind. Chain. No. 1,059,297; Apr. 15; Gaz. vol. 189; p. 737.
- Howe, Louis C. (See Howe, Glenn G. and L. C.)
- Howe, Olaf L., Missoula, Mont. Current-motor. No. 1,081,118; Dec. 9; Gaz. vol. 197; p. 443.
- Howe, Thomas. (See Burnham, George A., assignor.)
- Howe, Walter W., New York, N. Y. Tension-regulating device for web-presses. No. 1,063,263; June 3; Gaz. vol. 191; p. 31.
- Howe, Winthrop K., Rochester, assignor to General Railway Signal Company, Gates, N. Y. Electric semaphore mechanism. No. 1,056,992; Mar. 25; Gaz. vol. 188; p. 892.
- Howe, Winthrop K., Rochester, assignor to General Railway Signal Company, Gates, N. Y. Alternating-current track-circuit signaling. No. 1,056,993; Mar. 25; Gaz. vol. 188; p. 893.
- Howe, Winthrop K., Rochester, assignor to General Railway Signal Company, Gates, N. Y. Signal mechanism. No. 1,071,922; Sept. 2; Gaz. vol. 194; p. 87.
- Howe, Winthrop K., Rochester, assignor to General Railway Signal Company, Gates, N. Y. Locking mechanism. No. 1,074,175; Sept. 30; Gaz. vol. 194; p. 981.
- Howell, Aaron A., Petersburg, and E. R. Martin, Altoona, Pa. Collapsible crate. No. 1,064,328; June 10; Gaz. vol. 191; p. 431.
- Howell, Albert J., Trenton, N. J. Chisel-gage. No. 1,054,774; Mar. 4; Gaz. vol. 188; p. 42.
- Howell, Albert S., assignor to Bell & Howell Company, Chicago, Ill. Photographic-printing apparatus. No. 1,056,794; Mar. 25; Gaz. vol. 188; p. 824.
- Howell, Alexander J., Syracuse, N. Y. Package for food products or the like. No. 1,057,552; Apr. 1; Gaz. vol. 189; p. 52.
- Howell, Charles A., Howe, Nebr. Resilient wheel. No. 1,057,152; Mar. 25; Gaz. vol. 188; p. 948.
- Howell, Charles A., Howe, Nebr. Wire-fence stretcher. No. 1,068,587; July 29; Gaz. vol. 192; p. 1059.
- Howell, Chas. F. (See Hampton, Herbert, assignor.)
- Howell, Edgar N., *et al.* (See Torvik, Alfred, assignor.)
- Howell, Eugene, Pawnee City, Nebr. Rail-joint. No. 1,050,025; Jan. 7; Gaz. vol. 186; p. 239.
- Howell, Guy W., Glasston, N. D. Bearing. No. 1,054,552; Feb. 25; Gaz. vol. 187; p. 1038.
- Howell, Henry C., Spearmore, Okla. Cultivator. No. 1,074,950; Oct. 7; Gaz. vol. 195; p. 123.
- Howell, Henry G., Anderson, S. C. Oven. No. 1,072,231; Sept. 2; Gaz. vol. 194; p. 190.
- Howell, John R., Springfield, Ill. Riding-harrow. No. 1,055,913; Mar. 11; Gaz. vol. 188; p. 458.
- Howell, John W., Newark, N. J., assignor to General Electric Company. Forming-machine for tungsten filaments. No. 1,062,281; May 20; Gaz. vol. 190; p. 662.
- Howell, Mary, Ione, Oreg. Coffee-pot. No. 1,083,211; Dec. 30; Gaz. vol. 197; p. 1249.
- Howell, Thomas H., Barnesville, Ohio. Twine-cutter. No. 1,074,864; Oct. 7; Gaz. vol. 195; p. 93.
- Howell, Wilson S. (See Crawford, William W., assignor.)
- Howerton, Oliver N., Peoria, Ill. Door-knob fastener. No. 1,061,844; May 13; Gaz. vol. 190; p. 471.
- Howg, Carl M., Sisseton, S. D. Adjustable plastering-trowel. No. 1,083,099; Dec. 30; Gaz. vol. 197; p. 1217.
- Hawk, John S., Reno, Nev. Antifrictional bearing for mowing-machines. No. 1,064,074; June 10; Gaz. vol. 191; p. 344.
- Howland Bag and Paper Company. (See Smith, Charles F., assignor.)
- Howland, Ephraim, Pontiac, Mich. Loading and dumping bridge. No. 1,050,541; Jan. 14; Gaz. vol. 186; p. 452.
- Howles, Fred. (See McDougall and Howles.)
- Howlett, Peyton L., Brownwood, Tex. Foot bench-shears. No. 1,064,910; June 17; Gaz. vol. 191; p. 661.
- Howse, Reuben J., Hugo, Okla. Fishing device. No. 1,055,748; Mar. 11; Gaz. vol. 188; p. 403.
- Howson, Ellis E., Salt Lake City, Utah. Filtering device. No. 1,070,473; Aug. 19; Gaz. vol. 193; p. 548.
- Hoxsey, James F., Washington, D. C. Adjustable liner. No. 1,078,730; Nov. 18; Gaz. vol. 196; p. 577.
- Hoxsey, James F., Washington, D. C. Mold and liner. No. 1,079,049; Nov. 18; Gaz. vol. 196; p. 688.
- Hoy, Adea A., St. Louis, Mo. Wall-seat. No. 1,059,467; Apr. 22; Gaz. vol. 189; p. 833.
- Hoybook, Henry L., Tyler, Tex. Support for telegraph and telephone wires. No. 1,078,201; Nov. 11; Gaz. vol. 196; p. 361.
- Höyer, Anton, Neukölln-Berlin, Germany, assignor to Mergenthaler Linotype Company. Typographical composing-machine. No. 1,070,687; Aug. 19; Gaz. vol. 193; p. 620.
- Hoyl, Heady. (See Gordon and Hoyl.)
- Hoyle, James R., and A. W. Brearley, assignors to Thomas Firth and Sons Limited, Sheffield, England. Casting ingots. No. 1,073,988; Sept. 23; Gaz. vol. 194; p. 891.
- Hoyne, Carl A. O., Los Angeles, Cal. Button and fastening means therefor. No. 1,059,298; Apr. 15; Gaz. vol. 189; p. 737.
- Hoyt, Albert M. (See Matson, Carl A., assignor.)
- Hoyt, Daniel, assignor of one-half to The National Lock Washer Company, Newark, N. J. Shade-roller and the like. No. 1,049,485; Jan. 7; Gaz. vol. 186; p. 56.
- Hoyt, Edward R., assignor to Hoyt Metal Company, St. Louis, Mo. Rolled metal. No. 1,061,674; May 13; Gaz. vol. 190; p. 419.
- Hoyt, Ezra S., San Luis Obispo, Cal. Apparatus for separating gold and other metals from sand, &c. No. 1,064,223; June 10; Gaz. vol. 191; p. 396.
- Hoyt, George W., assignor of one-third to W. G. Walsh and one-third to V. D. Walsh, New York, N. Y. Portable house. No. 1,070,474; Aug. 19; Gaz. vol. 193; p. 548.
- Hoyt, John S. (See Doremus, Charles A., assignor.)
- Hoyt, John S. (See Jansson, Karl E. O., assignor.)
- Hoyt, Matthew L., assignor to D. H. Burrell & Company, Little Falls, N. Y. Shaft-mounting for centrifugal machines. No. 1,056,544; Mar. 18; Gaz. vol. 188; p. 710.
- Hoyt Metal Company. (See Hoyt, Edward R., assignor.)
- Hoyt, Van Buren L., A. Sarosi, and A. Wooster, Stamford, Conn. Rail-chair. No. 1,054,553; Feb. 25; Gaz. vol. 187; p. 1038.
- Hrabak, John, Kermit, assignor, by mesne assignments, of one-half to L. A. O. Knoph, Noonan, N. D. Music-stand. No. 1,067,609; July 15; Gaz. vol. 192; p. 653.
- Hradisky, John. (See Krompigel and Hradisky.)
- Hron, Frank C., Tyndall, S. D. Cultivator-tongue support. No. 1,061,845; May 13; Gaz. vol. 190; p. 471.
- Hronish, Charles R., Knife River, N. D. Hog-scalding apparatus. No. 1,079,648; Nov. 25; Gaz. vol. 196; p. 922.
- Hubbard, Albert B. (See Bens and Hubbard.)
- Hubbard, Albert S., Greenwich, Conn., assignor to Gould Storage Battery Company. Storage battery. No. 1,082,869; Dec. 30; Gaz. vol. 197; p. 1139.
- Hubbard, Ashbell. (See Jones, Edward S., assignor.)
- Hubbard, Eugene O., Raymond, Miss. Boll-weevil catcher. No. 1,053,036; Feb. 11; Gaz. vol. 187; p. 438.
- Hubbard, Frank S., and A. P. Hirschfeld, assignors to The Bradley & Hubbard Mfg. Co., Meriden, Conn. Shade or globe holder. No. 1,056,682; Mar. 18; Gaz. vol. 188; p. 755.
- Hubbard, Henry L., Detroit, Mich. Spring suspension for vehicles. No. 1,058,588; Apr. 8; Gaz. vol. 189; p. 453.
- Hubbard, James W., Eau Claire, Wis. Railway-switch. No. 1,057,345; Mar. 25; Gaz. vol. 188; p. 1011.
- Hubbard, John H., Iron River, Mich., assignor of one-half to H. A. Dusky, Green Bay, Wis. Wire-clamp for insulators. No. 1,067,246; July 15; Gaz. vol. 192; p. 529.
- Hubbard, Norman, Elizabeth, N. J. Bottle-holder. No. 1,082,808; Dec. 30; Gaz. vol. 197; p. 1118.
- Hubbard, Richard L., Philadelphia, Pa. Muffler cut-out. No. 1,081,744; Dec. 16; Gaz. vol. 197; p. 689.
- Hubbell, Edward S., Syracuse, N. Y. Door-latch. No. 1,055,535; Mar. 11; Gaz. vol. 188; p. 332.

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- Hubbell, Harry C., Newark, N. J. Electric safety-lantern. No. 1,056,683; Mar. 18; Gaz. vol. 188; p. 755.
- Hubbell, Harry C., Newark, N. J. Making storage-battery electrodes. No. 1,079,346; Nov. 25; Gaz. vol. 196; p. 819.
- Hubbell, Harry C., Newark, N. J. Making storage-battery electrodes. No. 1,081,531; Dec. 16; Gaz. vol. 197; p. 623.
- Hubbell, Harvey, Bridgeport, Conn. Pull-socket. No. 1,053,174; Feb. 18; Gaz. vol. 187; p. 530.
- Hubbell, Harvey, Bridgeport, Conn. Pull-socket. No. 1,053,175; Feb. 18; Gaz. vol. 187; p. 531.
- Hubbell, Harvey, Bridgeport, Conn. Pull-socket. No. 1,053,176; Feb. 18; Gaz. vol. 187; p. 531.
- Hubbell, Harvey, Bridgeport, Conn. Pull-socket. No. 1,053,177; Feb. 18; Gaz. vol. 187; p. 531.
- Hubbell, Harvey, Bridgeport, Conn. Operating mechanism for pull-sockets. No. 1,053,178; Feb. 18; Gaz. vol. 187; p. 532.
- Hubbell, Harvey, Bridgeport, Conn. Operating mechanism for pull-sockets. No. 1,053,179; Feb. 18; Gaz. vol. 187; p. 532.
- Hubbell, Harvey, Bridgeport, Conn. Pull-socket. No. 1,064,831; June 17; Gaz. vol. 191; p. 637.
- Hubbell, Harvey, Bridgeport, Conn. Pull-socket. No. 1,064,832; June 17; Gaz. vol. 191; p. 637.
- Hubbell, Harvey, Bridgeport, Conn. Separable attachment-plug. No. 1,064,833; June 17; Gaz. vol. 191; p. 637.
- Hubbell, Harvey, Bridgeport, Conn. Pull-socket. No. 1,064,834; June 17; Gaz. vol. 191; p. 638.
- Hubbell, Henry S., assignor to T. R. Almond Manufacturing Co., Ashburnham, Mass. Flexible tubing. No. 1,053,394; Feb. 18; Gaz. vol. 187; p. 606.
- Hubbs, Henry E. (See Malone and Hubbs.)
- Huber, Edward R., assignor of one-half to F. L. Pohlmann, St. Louis, Mo. Vapor generator and mixer. No. 1,061,382; May 13; Gaz. vol. 190; p. 315.
- Huber Hodgman Printing Press Co. (See Hodgman, Willis K., assignor.)
- Huber, Jacques, Basel, Switzerland. Nut-wrench. No. 1,080,064; Dec. 2; Gaz. vol. 197; p. 51.
- Huber, John A., Lancaster, Pa. Adjustable pivot-bearing. No. 1,071,746; Sept. 2; Gaz. vol. 194; p. 26.
- Huber, Joseph, Saginaw, Mich. Clamping device. No. 1,057,484; Apr. 1; Gaz. vol. 189; p. 30.
- Huber, Robert F., St. Louis, Mo. Flying-machine. No. 1,049,486; Jan. 7; Gaz. vol. 186; p. 56.
- Hubermann, Max L., Los Angeles, Cal. Electric switch. No. 1,073,047; Sept. 9; Gaz. vol. 194; p. 505.
- Hubert, Conrad. (See Coleman, Clyde J., assignor.)
- Hubert, Conrad. (See Cooley, John F., assignor.)
- Hubert, Conrad, *et al.* (See Heil, Albrecht, assignor.)
- Hubert, Conrad. (See Volkmar, Bernhard, assignor.)
- Hubert, Conrad, New York, N. Y. Portable electric light. No. 1,075,827; Oct. 14; Gaz. vol. 195; p. 453.
- Hubert, Theodore, Roselle, N. J., assignor, by mesne assignments, to American Circular Loom Company, Boston, Mass. Make-and-break device for ignition systems. No. 1,050,461; Jan. 14; Gaz. vol. 186; p. 424.
- Hubert, Theodore, Cranford, N. J., assignor, by mesne assignments, to American Circular Loom Company, Portland, Me. Make-and-break device. No. 1,056,420; Mar. 18; Gaz. vol. 188; p. 664.
- Hubert, Theodore, Cranford, N. J., assignor, by mesne assignments, to American Circular Loom Company, Boston, Mass. Ignition device. No. 1,064,329; June 10; Gaz. vol. 191; p. 431.
- Hubler, John H., and C. E. Henderson, Fremont, Nebr. Expansion-bolt. No. 1,076,368; Oct. 21; Gaz. vol. 195; p. 667.
- Hubler, Robert L., *et al.* (See Inrig, Gavan and L., assignors.)
- Hübner, Gustav, Plauen, Germany. Tambour-frame-operating mechanism for embroidery-machines. No. 1,076,369; Oct. 21; Gaz. vol. 195; p. 668.
- Huck, Walter E., Roscoe, S. D. Plow. No. 1,073,759; Sept. 23; Gaz. vol. 194; p. 814.
- Huckabay, Charles O., Willow, Okla. Tobacco-pipe. No. 1,070,895; Aug. 19; Gaz. vol. 193; p. 687.
- Huckle, James B., and W. E. Rienhart, Columbus, Ohio. Hot-air furnace. No. 1,079,491; Nov. 25; Gaz. vol. 196; p. 867.
- Huckstep, Francis B., assignor of one-half to W. F. Knap, Des Moines, Iowa. Pneumatic tire. No. 1,058,433; Apr. 8; Gaz. vol. 189; p. 403.
- Huddleston, Pleasant A., Oklahoma, Okla. Electric annunciator and lighting mechanism. No. 1,058,589; Apr. 8; Gaz. vol. 189; p. 453.
- Hudgins, William F., assignor of one-third to F. W. Bristow and one-third to S. A. Wallace, Dorrisville, Ill. Lamp. No. 1,079,347; Nov. 25; Gaz. vol. 196; p. 819.
- Hudler, Charles L., St. Louis, Mo. Aeroplane. No. 1,050,462; Jan. 14; Gaz. vol. 186; p. 424.
- Hudnall, E. J. (See Nale, Franklin P., assignor.)
- Hudrie, James, Haugen, Wis. Poultry-disinfecting device. No. 1,061,540; May 13; Gaz. vol. 190; p. 373.
- Hudry, John, Hazleton, Pa. Crib. No. 1,054,416; Feb. 25; Gaz. vol. 187; p. 992.
- Hudson, Charles R., assignor of one-half to D. W. Hudson, Green Bay, Wis. Pumping apparatus. No. 1,077,474; Nov. 4; Gaz. vol. 196; p. 83.
- Hudson, Charles W., Riverside, Wash. Milk-pail cover. No. 1,062,650; May 27; Gaz. vol. 190; p. 826.
- Hudson, Clifford C. (See Wilson, Alvin I. V., assignor.)
- Hudson, David W. (See Hudson, Charles R., assignor.)
- Hudson, David W., assignor to F. H. Hoberg, Green Bay, Wis. Interfolding-machine. No. 1,053,914; Feb. 18; Gaz. vol. 187; p. 783.
- Hudson, Edwin P. (See Mally and Hudson.)
- Hudson, Elisha E., Newark, and D. Elmes, Orange, assignors, by mesne assignments, to Thomas A. Edison, Incorporated, West Orange, N. J. Primary battery. No. 1,061,541; May 13; Gaz. vol. 190; p. 373.
- Hudson, Elmer, assignor of one-half to J. J. Emminga and F. E. Sahland, Golden, Ill. Device for securing railway-rails to ties. No. 1,064,649; June 10; Gaz. vol. 191; p. 540.
- Hudson, Frank, Dolgeville, Cal. Swiveled irrigating-hydrant for sheet-metal pipes. No. 1,077,936; Nov. 4; Gaz. vol. 196; p. 239.
- Hudson, G. A., *et al.* (See Miller, Benjamin D., assignor.)
- Hudson, Grace. (See Malloy, Mary A., assignor.)
- Hudson, Henry B., Fargo, N. D. Needle-eye self-locking safety-pin. No. 1,053,729; Feb. 18; Gaz. vol. 187; p. 724.
- Hudson, Mary E., *et al.*, executors. (See Hudson, Samuel T.)
- Hudson Motor Car Company. (See Moorhouse, Alfred, assignor.)
- Hudson Motor Car Company. (See Vincent, Jesse G., assignor.)
- Hudson, Palmer T., Everton, Mo. Apparatus for grounding telephone-wires. No. 1,060,598; May 6; Gaz. vol. 190; p. 12.
- Hudson, Samuel T., deceased, Riverhead, N. Y.; M. E. Hudson and A. H. Young, executrices. Wheel-cultivator. No. 1,071,639; Aug. 26; Gaz. vol. 193; p. 970.
- Hudson, Thomas, Airbrie, Scotland. Steam-boiler. No. 1,063,032; May 27; Gaz. vol. 190; p. 951.
- Hudson, Wilbur G., Newark, N. J., assignor to Guarantee Construction Company, New York, N. Y. Suction conveyor system. No. 1,067,220; July 8; Gaz. vol. 192; p. 486.
- Hudson, William C., Jasper, Ark. Wire-stretcher. No. 1,058,239; Apr. 8; Gaz. vol. 189; p. 334.
- Hudson, William L., Ellisburg, N. Y. Shutter and feed mechanism for kinetographs. No. 1,067,219; July 8; Gaz. vol. 192; p. 485.
- Hudspeth, William D., and C. C. Hartzoge, deceased, Monroe, La.; P. Sandel, executor, assignor to said Hudspeth. Burglar-alarm. No. 1,068,342; July 22; Gaz. vol. 192; p. 937.
- Hueber, Edward P. (See Richards and Hueber.)
- Huebner-Bleistein Patents Company. (See Huebner, William C., assignor.)
- Huebner, Martin E., Sumner, Ill. Rein-support. No. 1,079,412; Nov. 25; Gaz. vol. 196; p. 841.
- Huebner, William C., Buffalo, N. Y., assignor to Huebner-Bleistein Patents Company. Universal printing-machine. No. 1,051,590; Jan. 28; Gaz. vol. 186; p. 877.
- Huebner, William C., assignor to Huebner-Bleistein Patents Company, Buffalo, N. Y. Photographic camera. No. 1,051,591; Jan. 28; Gaz. vol. 186; p. 877.
- Huebner, William C., assignor to Huebner-Bleistein Patents Company, Buffalo, N. Y. Photographic-printing machine. No. 1,055,749; Mar. 11; Gaz. vol. 188; p. 403.
- Huebner, William C., assignor to Huebner-Bleistein Patents Company, Buffalo, N. Y. Electromagnetic clutch. No. 1,056,545; Mar. 18; Gaz. vol. 188; p. 710.
- Huebner, William C., assignor to Huebner-Bleistein Patents Company, Buffalo, N. Y. Machine for making electrotype-matrices. No. 1,057,737; Apr. 1; Gaz. vol. 189; p. 116.
- Huebner, William C., assignor to Huebner-Bleistein Patents Company, Buffalo, N. Y. Photographic screen. No. 1,060,982; May 6; Gaz. vol. 190; p. 146.
- Huebner, William C., assignor of one-half to G. Bleistein, Buffalo, N. Y. Photographic-printing apparatus. No. 1,058,975; Apr. 15; Gaz. vol. 189; p. 627.
- Huenefeld Company, The. (See Huenefeld, Walter E., assignor.)
- Huenefeld, Walter E., Cincinnati, Ohio. Hydrocarbon-burner. No. 1,070,608; Aug. 19; Gaz. vol. 193; p. 594.
- Huenefeld, Walter E., Cincinnati, Ohio. Hydrocarbon-burner. No. 1,070,609; Aug. 19; Gaz. vol. 193; p. 594.
- Huenefeld, Walter E., assignor to The Huenefeld Company, Cincinnati, Ohio. Hydrocarbon-burner. No. 1,070,603; Aug. 19; Gaz. vol. 193; p. 592.
- Huenefeld, Walter E., assignor to The Huenefeld Company, Cincinnati, Ohio. Hydrocarbon-burner. No. 1,070,604; Aug. 19; Gaz. vol. 193; p. 592.
- Huenefeld, Walter E., assignor to The Huenefeld Company, Cincinnati, Ohio. Hydrocarbon-burner. No. 1,070,605; Aug. 19; Gaz. vol. 193; p. 593.
- Huenefeld, Walter E., assignor to The Huenefeld Company, Cincinnati, Ohio. Hydrocarbon-burner. No. 1,070,606; Aug. 19; Gaz. vol. 193; p. 593.

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- Huenefeld, Walter E., assignor to The Huenefeld Company, Cincinnati, Ohio. Stove. No. 1,080,148; Dec. 2; Gaz. vol. 197; p. 81.
- Huestis, George J., Halifax, Nova Scotia, Canada. Milk product. No. 1,063,687; June 3; Gaz. vol. 191; p. 180.
- Huff, Bailey B., Travellers Rest, S. C., and J. E. McKinney, Louisville, Ky. Anti-rail-spreader. No. 1,052,821; Feb. 11; Gaz. vol. 187; p. 366.
- Huff, Edward S., assignor to H. Ford, Detroit, Mich. Magneto. No. 1,066,729; July 8; Gaz. vol. 192; p. 319.
- Huff, George T., Street, Md. Tellurian. No. 1,065,944; July 1; Gaz. vol. 192; p. 14.
- Huff, Russell, assignor, by mesne assignments, to Packard Motor Car Company, Detroit, Mich. Starting mechanism for hydrocarbon-engines. No. 1,049,487; Jan. 7; Gaz. vol. 186; p. 57.
- Huff, Russell, assignor to Packard Motor Car Company, Detroit, Mich. Tail-lamp for motor-vehicles. No. 1,053,995; Feb. 25; Gaz. vol. 187; p. 848.
- Huff, Russell, assignor to Packard Motor Car Company, Detroit, Mich. Radiator-support for motor-vehicles. No. 1,067,737; July 15; Gaz. vol. 192; p. 697.
- Huff, Russell, assignor to Packard Motor Car Company, Detroit, Mich. Motor-vehicle. No. 1,072,851; Sept. 9; Gaz. vol. 194; p. 435.
- Huff, Russell, assignor to Packard Motor Car Company, Detroit, Mich. Motor-vehicle. No. 1,073,073; Sept. 9; Gaz. vol. 194; p. 515.
- Huff, Russell, assignor, by mesne assignments, to Packard Motor Car Company, Detroit, Mich. Transmission-gearing. No. 1,075,650; Oct. 14; Gaz. vol. 195; p. 394.
- Huff, Russell, assignor, by mesne assignments, to Packard Motor Car Company, Detroit, Mich. Speed control for motor-cars. No. 1,077,348; Nov. 4; Gaz. vol. 196; p. 37.
- Huff, Russell, assignor, by mesne assignments, to Packard Motor Car Company, Detroit, Mich. Ignition apparatus for hydrocarbon-engines. No. 1,079,413; Nov. 25; Gaz. vol. 196; p. 841.
- Huff, Russell, assignor, by mesne assignments, to Packard Motor Car Company, Detroit, Mich. Universal joint. No. 1,080,111; Dec. 2; Gaz. vol. 197; p. 68.
- Huff, Russell, assignor, by mesne assignments, to Packard Motor Car Company, Detroit, Mich. Hydrocarbon-motor. No. 1,080,761; Dec. 9; Gaz. vol. 197; p. 325.
- Huff, Russell, assignor, by mesne assignments, to Packard Motor Car Company, Detroit, Mich. Hydrocarbon-motor. No. 1,080,762; Dec. 9; Gaz. vol. 197; p. 325.
- Huff, Russell, assignor, by mesne assignments, to Packard Motor Car Company, Detroit, Mich. Starting means for motor-vehicles. No. 1,081,382; Dec. 16; Gaz. vol. 197; p. 571.
- Huff, Russell, assignor, by mesne assignments, to Packard Motor Car Company, Detroit, Mich. Motor-vehicle. No. 1,082,026; Dec. 23; Gaz. vol. 197; p. 815.
- Huff, Russell, assignor, by mesne assignments, to Packard Motor Car Company, Detroit, Mich. Hydrocarbon-motor. No. 1,082,527; Dec. 30; Gaz. vol. 197; p. 1018.
- Huffard, John B. (See Morehead and Huffard.)
- Huffman, Alonzo, Mutual, Okla. Traction-wheel. No. 1,077,076; Oct. 28; Gaz. vol. 195; p. 970.
- Huffman, Dur A. (See Huffman, Silas S. and D. A.)
- Huffman, John O. (See Grothe and Huffman.)
- Huffman, Polly, Cameron, Tex. Horseshoeing-rack. No. 1,077,475; Nov. 4; Gaz. vol. 196; p. 84.
- Huffman, Silas S. and D. A., Youngstown, Ohio. Tire-protector. No. 1,070,475; Aug. 19; Gaz. vol. 193; p. 548.
- Huffman, Silas S. and D. A., Youngstown, Ohio. Tire-protector. No. 1,072,464; Sept. 9; Gaz. vol. 194; p. 300.
- Hufford, Charles A., Indianapolis, Ind. Machine for bulging cylindrical sheet-metal bodies. No. 1,067,115; July 8; Gaz. vol. 192; p. 448.
- Huffschnitt, Albert C., St. Louis, Mo. Saw. No. 1,058,866; Apr. 15; Gaz. vol. 189; p. 588.
- Hufnail, Francis E., Minneapolis, Minn. Making a medicinal composition. No. 1,082,081; Dec. 23; Gaz. vol. 197; p. 834.
- Hug, Alexander G., Chicago, Ill. Type-writer roller. No. 1,053,180; Feb. 18; Gaz. vol. 187; p. 532.
- Hug, Ernst, Grenzach, Germany, assignor to Hoffmann-La Roche Chemical Works, New York, N. Y. Therapeutic compound and making the same. No. 1,069,954; Aug. 12; Gaz. vol. 193; p. 327.
- Huggins, James A., Red Springs, N. C. Automatic-adjusting plow. No. 1,061,291; May 13; Gaz. vol. 190; p. 285.
- Huggins, James A., Red Springs, N. C. Subsoil-plow. No. 1,074,176; Sept. 30; Gaz. vol. 194; p. 982.
- Hughes, Abednego B., Cedarville, Cal. Single-delivery toothpick-holder. No. 1,077,715; Nov. 4; Gaz. vol. 196; p. 162.
- Hughes, Albert R., Thomas, Okla. Pruning-shears. No. 1,072,232; Sept. 2; Gaz. vol. 194; p. 191.
- Hughes, Arthur D., Rochester, Ind. Gyratory sifter. No. 1,067,920; July 22; Gaz. vol. 192; p. 791.
- Hughes, Charles H., assignor to Semet-Solvay Company, Syracuse, N. Y. Retort coke-oven. No. 1,055,536; Mar. 11; Gaz. vol. 188; p. 332.
- Hughes, Clarence W., Boomer, W. Va. Nut-lock. No. 1,059,863; Apr. 22; Gaz. vol. 189; p. 961.
- Hughes, D. W. (See Cooper, James A., assignor.)
- Hughes, David S., assignor of one-third to W. C. Davis and one-third to R. E. Roberts, Racine, Wis. Automobile lamp mechanism. No. 1,069,615; Aug. 5; Gaz. vol. 193; p. 181.
- Hughes, Dow B., assignor to The Citizens Savings and Trust Company, trustee, Cleveland, Ohio. Double ignition system for internal-combustion engines. No. 1,075,974; Oct. 14; Gaz. vol. 195; p. 504.
- Hughes Electric Heating Company. (See Hughes, George A., assignor.)
- Hughes Electric Heating Company. (See Hughes and Caven, assignors.)
- Hughes, George A., assignor to Hughes Electric Heating Company, Chicago, Ill. Electrical heating device. No. 1,068,658; July 29; Gaz. vol. 192; p. 1084.
- Hughes, George A., and T. M. Caven, assignors to Hughes Electric Heating Company, Chicago, Ill. Electrical heating device. No. 1,049,488; Jan. 7; Gaz. vol. 186; p. 57.
- Hughes, Hinchey P., Greenwood, S. C. Rerailing device. No. 1,063,799; June 3; Gaz. vol. 191; p. 217.
- Hughes, Hugh T., assignor of one-half to E. D. Hamer, Frankfort, N. Y. Nut-lock. No. 1,049,489; Jan. 7; Gaz. vol. 186; p. 57.
- Hughes, Hugh T., assignor of one-half to W. H. McGranahan, Youngstown, Ohio. Nut-lock. No. 1,081,232; Dec. 9; Gaz. vol. 197; p. 481.
- Hughes, Iola A., Colorado Springs, Colo. Hook-and-eye fastener. No. 1,071,423; Aug. 26; Gaz. vol. 193; p. 899.
- Hughes, James F., Newburg, Mo. Railway-tie. No. 1,055,537; Mar. 11; Gaz. vol. 188; p. 332.
- Hughes, James G., Newark, Ohio. Lace-curtain hanger. No. 1,063,800; June 3; Gaz. vol. 191; p. 217.
- Hughes, Joseph, New York, N. Y. Hair-pin. No. 1,082,333; Dec. 23; Gaz. vol. 197; p. 922.
- Hughes, Joseph D., assignor to Workman Manufacturing Company, Chicago, Ill. Temporary binder. No. 1,060,599; May 6; Gaz. vol. 190; p. 12.
- Hughes, Louis S., Chicago, Ill. Apparatus for producing sublimed lead. No. 1,070,688; Aug. 19; Gaz. vol. 193; p. 621.
- Hughes, Margaret M., New York, N. Y. Means for producing a correct writing habit. No. 1,061,913; May 13; Gaz. vol. 190; p. 493.
- Hughes, Robert. (See Welsh and Hughes.)
- Hughes, Robert, Mount Vernon, N. Y. Automatic cut-off for gas-burners. No. 1,059,873; Apr. 22; Gaz. vol. 189; p. 964.
- Hughes, Robert J., Houston, Tex. Resilient wheel. No. 1,055,750; Mar. 11; Gaz. vol. 188; p. 404.
- Hughes, Robert O., assignor of one-half to B. Williams, Mankato, Minn. Lock for grease-cups. No. 1,069,701; Aug. 12; Gaz. vol. 193; p. 240.
- Hughes, Robert R., Jr., assignor to Metropolitan Sewing Machine Company, Nyack, N. Y. Collaret-sewing machine. No. 1,052,058; Feb. 4; Gaz. vol. 187; p. 74.
- Hughes, Robert R., Jr., assignor to L. N. Littauer, proprietor, Nyack, N. Y. Multiple-needle stitch-forming mechanism. No. 1,054,295; Feb. 25; Gaz. vol. 187; p. 948.
- Hughes, Robert R., Jr., Nyack, assignor to L. N. Littauer, Gloversville, N. Y. Triple-seam-sewing machine. No. 1,075,422; Oct. 14; Gaz. vol. 195; p. 315.
- Hughes, Roy Y., Aberdeen, S. D., and L. J. Hoffmann, Buffalo, Minn. Door-fastener. No. 1,074,261; Sept. 30; Gaz. vol. 194; p. 1010.
- Hughes, Russel M., assignor to R. M. Hughes Co., Inc., Louisville, Ky. Liquid measuring and dispensing apparatus. No. 1,053,816; Feb. 18; Gaz. vol. 187; p. 751.
- Hughes, Russell M., Louisville, Ky. Bolt-nut. No. 1,071,424; Aug. 26; Gaz. vol. 193; p. 899.
- Hughes, Willard C., Utica, N. Y. Valve. No. 1,070,896; Aug. 19; Gaz. vol. 193; p. 688.
- Hughes, William J., Victoria, Tex. Combination-saw. No. 1,066,730; July 8; Gaz. vol. 192; p. 319.
- Hughey, Henry, South Dudswell, Quebec, Canada. Lock-bolt. No. 1,053,604; Feb. 18; Gaz. vol. 187; p. 680.
- Hughs, Thomas M., San Jose, Cal. Railway-crossing. No. 1,073,760; Sept. 23; Gaz. vol. 194; p. 815.
- Hugill, Ashton C. (See Le Moyne, James, assignor.)
- Hugo, Theodor, Berlin, Germany. Machine for making paper envelopes. No. 1,066,112; July 1; Gaz. vol. 192; p. 73.
- Hugro Manufacturing Company, The. (See Newkirk, Perry R., assignor.)
- Huguelet, William P., Chicago, Ill. assignor, by mesne assignments, to Muir Company, Incorporated, Baltimore, Md. Carbureter. No. 1,080,696; Dec. 9; Gaz. vol. 197; p. 301.
- Huguenin, Albert, Zurich, Switzerland. Blade for the wheels of rotary fluid-compressors. No. 1,059,161; Apr. 15; Gaz. vol. 189; p. 690.

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- Huhn, Gustav, Berlin, Germany. Metal packing-ring. No. 1,079,857; Nov. 25; Gaz. vol. 196; p. 996.
- Huhn, Henry R. (See Huhn, Hermann and H. R.)
- Huhn, Hermann. (See Williams and Huhn.)
- Huhn, Hermann and H. R., Macon, Ga., assignors to The Yale & Towne Manufacturing Company, Stamford, Conn. Electric protective device for safe and vault doors. No. 1,077,077; Oct. 28; Gaz. vol. 195; p. 970.
- Huhn, John H., assignor to Fairmont Mining Machinery Company, Fairmont, W. Va. Loading and conveying apparatus. No. 1,051,232; Jan. 21; Gaz. vol. 186; p. 722.
- Huhn, John H., Fairmont, W. Va., assignor to Covington Machine Company. Coal-leveling machine for beehive-ovens. No. 1,074,119; Sept. 30; Gaz. vol. 194; p. 963.
- Huhn, John H., Fairmont, W. Va., E. H. Abraham, Uniontown, Pa., and J. S. Ham, Covington, Va., assignors to Covington Machine Company. Coal-leveling machine. No. 1,067,221; July 8; Gaz. vol. 192; p. 486.
- Huie-Locke, Flora E., Buffalo, N. Y. Musical demonstrating-board. No. 1,058,976; Apr. 15; Gaz. vol. 189; p. 627.
- Huiet, C. B., *et al.* (See Sheppard, John L., assignor.)
- Hukill, Roy W., Oak Point, Wash. Stump-roller. No. 1,067,116; July 8; Gaz. vol. 192; p. 448.
- Hulbert, Ansel C., San Francisco, Cal. Electrical heater. No. 1,064,330; June 10; Gaz. vol. 191; p. 432.
- Hulbert, Ansel C., San Francisco, Cal. Electrically-heated glue-pot. No. 1,068,343; July 22; Gaz. vol. 192; p. 937.
- Hulbert, Ansel C., San Francisco, Cal. Fluid-pressure gage and automatic regulator. No. 1,069,066; July 29; Gaz. vol. 192; p. 1225.
- Hulbert, Ansel C., Santa Rosa, Cal. Dental vulcanizer. No. 1,069,616; Aug. 5; Gaz. vol. 193; p. 181.
- Hulbert, John L., Poughkeepsie, N. Y., assignor to The De Laval Separator Company. Milking-machine. No. 1,070,134; Aug. 12; Gaz. vol. 193; p. 389.
- Hulbert, John L., Poughkeepsie, N. Y., assignor to The De Laval Separator Company. Milking-machine. No. 1,070,135; Aug. 12; Gaz. vol. 193; p. 390.
- Hulburd, Charles P., assignor of one-half to C. F. Eyton, Los Angeles, Cal. Safety-cell for motion-picture-projecting machines. No. 1,057,059; Mar. 25; Gaz. vol. 188; p. 915.
- Hulett, Alonzo J., Kellettsville, assignor of one-half to H. B. Ensign, Corydon, Pa. Lantern. No. 1,053,511; Feb. 18; Gaz. vol. 187; p. 647.
- Hulett, George H., assignor to The Wellman-Seaver-Morgan Company, Cleveland, Ohio. System for unloading cars into vessels. No. 1,066,015; July 1; Gaz. vol. 192; p. 39.
- Hulett, George H., assignor to The Wellman-Seaver-Morgan Company, Cleveland, Ohio. Elevator. No. 1,066,113; July 1; Gaz. vol. 192; p. 74.
- Hulfish, David S., W. J. Herdman, and E. S. Lorimer, assignors, by mesne assignments, to General Engineering and Construction Company, Limited, Toronto, Ontario, Canada. Printing-telegraph system and alphabet. No. 1,077,278; Nov. 4; Gaz. vol. 196; p. 12.
- Huling, Arthur G., La Salle, Ill. Safety device for the cages of lifts and hoists. No. 1,055,179; Mar. 4; Gaz. vol. 188; p. 176.
- Hull, Abraham L., Valparaiso, Ind. Abrasive wheel. No. 1,063,688; June 3; Gaz. vol. 191; p. 181.
- Hull, Alfred A., Knoxville, Tenn. Flue-cleaner. No. 1,067,117; July 8; Gaz. vol. 192; p. 449.
- Hull-Davis Corporation. (See Hull and Davis, assignors.)
- Hull, Ennis F., Surveyor, and C. C. Davis, Princeton, assignors to Hull-Davis Corporation, Charleston, W. Va. Mail-pouch catching and delivering mechanism. No. 1,057,553; Apr. 1; Gaz. vol. 189; p. 53.
- Hull, Foster J., Brooklyn, N. Y., assignor to Thomas W. Pangborn Company, Jersey City, N. J. Sand-blast apparatus. No. 1,054,775; Mar. 4; Gaz. vol. 188; p. 42.
- Hull, George H., Cranston, assignor to D. R. Brown, Providence, R. I. Shuttle-threader. No. 1,067,247; July 15; Gaz. vol. 192; p. 529.
- Hull, John B., *et al.* (See Kadow, Otto F., assignor.)
- Hull, La Vergne V., and H. B. Moorehead, McComb, Ohio. Sealing-tool. No. 1,065,131; June 17; Gaz. vol. 191; p. 734.
- Hull Manufacturing Company. (See Watres, Lewis S., assignor.)
- Hull, Robert C., Philadelphia, Pa. Starter for explosive-engines. No. 1,050,739; Jan. 14; Gaz. vol. 186; p. 516.
- Hull, William S., Jackson, Miss. Flying-machine. No. 1,078,143; Nov. 11; Gaz. vol. 196; p. 341.
- Hultgren, Gustaf. (See Thorn, Oskar F., assignor.)
- Hulme, John W. (See Schumaker and Hulme.)
- Hulse, Edwin M., and J. G. Curtis, assignors to The E. M. Hulse Company, Columbus, Ohio. Sofa or davenport bed. No. 1,057,242; Mar. 25; Gaz. vol. 188; p. 979.
- Hulse, George E., Newark, N. J., assignor to Safety Car Heating & Lighting Company. System of heating. No. 1,052,923; Feb. 11; Gaz. vol. 187; p. 402.
- Hulse, George E., Jersey City, N. J., assignor, by mesne assignments, to Standard Heat and Ventilation Company Inc., New York, N. Y. Regulator for heating systems. No. 1,055,637; Mar. 11; Gaz. vol. 188; p. 365.
- Hult, Frank O., Galesburg, Ill. Door-operating means. No. 1,080,280; Dec. 2; Gaz. vol. 197; p. 127.
- Hultgren, Charles F., Chicago, Ill. Antiskidding sanding device. No. 1,052,822; Feb. 11; Gaz. vol. 187; p. 366.
- Hultgren, William. (See Grive, Charles K., assignor.)
- Hultman, Gustaf H., Stockholm, Sweden. Removing impurities from coal-gas. No. 1,073,605; Sept. 23; Gaz. vol. 194; p. 758.
- Hultquist, Charles A., Bisbee, Ariz. Rock-drill. No. 1,059,539; Apr. 22; Gaz. vol. 189; p. 857.
- Hultquist, Charles A., Los Angeles, Cal. Chuck for rock-drills. No. 1,062,651; May 27; Gaz. vol. 190; p. 826.
- Hultquist, Charles A., Los Angeles, Cal. Rock-drill. No. 1,077,911; Nov. 4; Gaz. vol. 196; p. 229.
- Hultquist, Victor J., Bellevue, Pa. Vehicle-wheel. No. 1,056,994; Mar. 25; Gaz. vol. 188; p. 893.
- Humason, John W., Youngstown, Ohio. Saw-guard. No. 1,082,870; Dec. 30; Gaz. vol. 197; p. 1140.
- Humbarger, Lauren, Columbia City, Ind. Hen's nest. No. 1,050,657; Jan. 14; Gaz. vol. 186; p. 490.
- Humbert, Ernest, South Chicago, Ill. Purifying steel. No. 1,081,532; Dec. 16; Gaz. vol. 197; p. 623.
- Humbert, Richard E., Milford, Pa. Glazier's point. No. 1,060,567; Apr. 29; Gaz. vol. 189; p. 1247.
- Humble, George L., Port Arthur, Tex. Mud-guard. No. 1,069,550; Aug. 5; Gaz. vol. 193; p. 160.
- Hume, James H., Glasgow, Scotland. Furnace-front. No. 1,076,428; Oct. 21; Gaz. vol. 195; p. 689.
- Hume, John, Houston, Tex. Engine-starter. No. 1,075,975; Oct. 14; Gaz. vol. 195; p. 504.
- Hume, John T., Chicago Heights, assignor to Chicago Pneumatic Tool Co., Chicago, Ill. Speed-controlling apparatus. No. 1,081,832; Dec. 16; Gaz. vol. 197; p. 722.
- Hume, Walter E., East Rutherford, N. J., assignor of one-half to J. Pollak, New York, N. Y. Support for dress-forms. No. 1,080,911; Dec. 9; Gaz. vol. 197; p. 377.
- Humes, James, Philadelphia, Pa. Ice-making apparatus. No. 1,082,871; Dec. 30; Gaz. vol. 197; p. 1140.
- Hummel, Ernest A., assignor to A. L. Haman, St. Paul, Minn. Automatically-displayed synchronizer-indicator for clocks. No. 1,066,016; July 1; Gaz. vol. 192; p. 39.
- Hummel, Ernest A., assignor to A. L. Haman, St. Paul, Minn. Automatic cut-out for clock-synchronizing mechanism. No. 1,066,961; July 8; Gaz. vol. 192; p. 397.
- Hummel, Fred M. (See Smith and Hummel.)
- Hummel, Howard H., Youngstown, Ohio. Punch for limiting transfer privileges. No. 1,056,546; Mar. 18; Gaz. vol. 188; p. 710.
- Humphrey, Alfred H., New York, N. Y. Gas-cock-operating device. (Reissue.) No. 13,552; Apr. 15; Gaz. vol. 189; p. 750.
- Humphrey, Alfred H., New York, N. Y., assignor to General Gas Light Company, Kalamazoo, Mich. Gas-lamp. No. 1,082,955; Dec. 30; Gaz. vol. 197; p. 1169.
- Humphrey, Edwin H., North Clymer, assignor of one-third to J. A. Thompson and one-third to J. J. Thompson, Mayville, N. Y. Match. No. 1,056,177; Mar. 18; Gaz. vol. 188; p. 583.
- Humphrey, Ernest N., assignor to The Traut & Hine Manufacturing Company, New Britain, Conn. Suspender cast-off. No. 1,059,331; Apr. 15; Gaz. vol. 189; p. 748.
- Humphrey, Ernest N., assignor to The Traut & Hine Manufacturing Company, New Britain, Conn. Suspender cast-off. No. 1,059,332; Apr. 15; Gaz. vol. 189; p. 748.
- Humphrey, Ernest N., assignor to The Traut & Hine Manufacturing Company, New Britain, Conn. Safety-razor. No. 1,060,904; May 6; Gaz. vol. 190; p. 118.
- Humphrey, Ernest N., assignor to The Traut & Hine Manufacturing Company, New Britain, Conn. Suspenders. No. 1,067,028; July 8; Gaz. vol. 192; p. 418.
- Humphrey, Ernest N., assignor to The Traut & Hine Manufacturing Company, New Britain, Conn. Pen and pencil holder. No. 1,072,730; Sept. 9; Gaz. vol. 194; p. 391.
- Humphrey, Ernest N., assignor to The Traut & Hine Manufacturing Company, New Britain, Conn. Cutting device. No. 1,073,581; Sept. 16; Gaz. vol. 194; p. 728.
- Humphrey, Ernest N., assignor to The Traut & Hine Manufacturing Company, New Britain, Conn. Safety-razor. No. 1,075,976; Oct. 14; Gaz. vol. 195; p. 505.
- Humphrey, Ernest N., assignor to The Traut & Hine Manufacturing Company, New Britain, Conn. Safety-razor. No. 1,076,286; Oct. 21; Gaz. vol. 195; p. 638.
- Humphrey, Ernest N., assignor to The Traut & Hine Manufacturing Company, New Britain, Conn. Safety-razor. No. 1,076,429; Oct. 21; Gaz. vol. 195; p. 689.
- Humphrey, Ernest N., assignor to The Traut & Hine Manufacturing Company, New Britain, Conn. Safety-razor. No. 1,076,579; Oct. 21; Gaz. vol. 195; p. 742.

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- Humphrey, Ernest N., and F. S. Goodrich, assignors to The Traut & Hine Manufacturing Company, New Britain, Conn. Safety-razor. No. 1,066,497; July 8; Gaz. vol. 192; p. 236.
- Humphrey, Frederick J., Kalamazoo, Mich. Inverted gas-burner. No. 1,060,093; Apr. 29; Gaz. vol. 189; p. 1081.
- Humphrey, Frederick J. and H. R., Kalamazoo, Mich. Gas-lamp. No. 1,051,593; Jan. 28; Gaz. vol. 186; p. 878.
- Humphrey, Frederick J. and H. R., assignors to General Gas Light Company, Kalamazoo, Mich. Gas-lamp. No. 1,051,592; Jan. 28; Gaz. vol. 186; p. 878.
- Humphrey, Frederick J. and H. R., assignors to General Gas Light Company, Kalamazoo, Mich. Valve mechanism for gas-lamps. No. 1,082,954; Dec. 30; Gaz. vol. 197; p. 1168.
- Humphrey Gas Pump Company. (See Humphrey, Herbert A., assignor.)
- Humphrey Gas Pump Company. (See Humphrey and Cerasoli, assignors.)
- Humphrey Gas Pump Company. (See Smyth, William H., assignor.)
- Humphrey, George A., New York, N. Y. Self-heating sad-iron. No. 1,063,350; June 3; Gaz. vol. 191; p. 61.
- Humphrey, George F., London, England. Baker's oven and the like. No. 1,060,841; May 6; Gaz. vol. 190; p. 96.
- Humphrey, George F., and H. Merrin, London, England. Cooking utensil. No. 1,056,547; Mar. 18; Gaz. vol. 188; p. 711.
- Humphrey, Glise H., Wilkesburg, Pa. Vehicle-frame. No. 1,069,334; Aug. 5; Gaz. vol. 193; p. 86.
- Humphrey, Herbert A., Westminster, London, England, assignor to Humphrey Gas Pump Company. Ignition arrangement for internal-combustion engines and other purposes. No. 1,053,395; Feb. 18; Gaz. vol. 187; p. 606.
- Humphrey, Herbert A., London, England, assignor to Humphrey Gas Pump Company. Raising or forcing liquids. No. 1,072,852; Sept. 9; Gaz. vol. 194; p. 435.
- Humphrey, Herbert A., and A. Cerasoli, London, England, assignors to Humphrey Gas Pump Company. Apparatus for raising or forcing liquid. No. 1,057,060; Mar. 25; Gaz. vol. 188; p. 916.
- Humphrey, Hubert R. (See Humphrey, Frederick J. and H. R.)
- Humphrey, John T., East Ham, England. Device to prevent fraudulent refilling of bottles. No. 1,082,872; Dec. 30; Gaz. vol. 197; p. 1140.
- Humphrey, Luther C., Jerome, Idaho. Water gage or meter. No. 1,056,178; Mar. 18; Gaz. vol. 188; p. 583.
- Humphrey & Sons. (See Reece, Juan H., assignor.)
- Humphrey, William A., Sparta, Wis. Combined sled-stake and logging-bunk. No. 1,082,425; Dec. 23; Gaz. vol. 197; p. 952.
- Humphrey, William D., Pendleton, Oreg. Harness for fishing-creels. No. 1,060,257; Apr. 29; Gaz. vol. 189; p. 1138.
- Humphrey, William G., Toronto, Ontario, Canada. Tray-slide attachment for printing-presses. No. 1,073,131; Sept. 16; Gaz. vol. 194; p. 571.
- Humphreys, Edmund, Salisbury, Md. Harness-buckle. No. 1,074,570; Sept. 30; Gaz. vol. 194; p. 1111.
- Humphreys, Ira B., Denver, Colo. Rotary pump. No. 1,073,048; Sept. 9; Gaz. vol. 194; p. 506.
- Hunciker, John, Evanston, Ill. Sash-lock. No. 1,075,828; Oct. 14; Gaz. vol. 195; p. 454.
- Hundrup, John P., Riverside, and W. G. Allen, San Francisco, Cal. Dust and fume arrester. No. 1,061,292; May 13; Gaz. vol. 190; p. 285.
- Hunholz, John F., Wamego, Kans. Cooking utensil. No. 1,070,476; Aug. 19; Gaz. vol. 193; p. 549.
- Hunker, Andrew. (See White, Charles S., assignor.)
- Hunker, Martin L., Martins Ferry, Ohio, assignor to Wheeling Corrugating Company. Forming sheet-metal elbows. No. 1,058,590; Apr. 8; Gaz. vol. 189; p. 454.
- Hunkle, Fredrick P., McKeesport, Pa. Nut-lock. No. 1,058,750; Apr. 15; Gaz. vol. 189; p. 547.
- Hunnicutt, James G., Knoxville, Tenn. Lamp. No. 1,057,153; Mar. 25; Gaz. vol. 188; p. 948.
- Hunold, Ernest, Providence, R. I. Heel-plate. No. 1,050,275; Jan. 14; Gaz. vol. 186; p. 358.
- Hunold, Ernest, Providence, R. I. Razor-strop-clamping device. No. 1,051,411; Jan. 28; Gaz. vol. 186; p. 816.
- Hunold, Ernest, Providence, R. I. Self-aligning razor-strop hanger. No. 1,069,426; Aug. 5; Gaz. vol. 193; p. 118.
- Hunold, Ernest, Providence, R. I. Heel-plate. No. 1,079,050; Nov. 18; Gaz. vol. 196; p. 689.
- Hunold, Ernest, Providence, R. I. Heel-plate. No. 1,079,051; Nov. 18; Gaz. vol. 196; p. 689.
- Hunt, Albert P., Chicago, Ill. Desiccating apparatus. No. 1,050,463; Jan. 14; Gaz. vol. 186; p. 425.
- Hunt, Allen T., Chicago, Ill. Display-rack. No. 1,057,430; Apr. 1; Gaz. vol. 189; p. 13.
- Hunt, Ben, assignor to Valley Foundry and Machine Works, Fresno, Cal. Centrifugal pump. No. 1,074,794; Oct. 7; Gaz. vol. 195; p. 71.
- Hunt, Carl, Indianapolis, Ind. Starter for combustion-engines. No. 1,050,026; Jan. 7; Gaz. vol. 186; p. 240.
- Hunt, Charles A., Jr. (See Pickard, Alfred L., assignor.)
- Hunt, Charles E., Thomasville, Ala. Cuspidor. No. 1,081,448; Dec. 16; Gaz. vol. 197; p. 594.
- Hunt, Clinton H. (See Rust and Hunt.)
- Hunt, David N., Chesham, England. Means for regulating the supply of air to sulfur or like furnaces. No. 1,053,915; Feb. 18; Gaz. vol. 187; p. 784.
- Hunt, Edwin J., Oldbury, and W. T. Gidden, Langley, assignors to Chance and Hunt, Limited, Oldbury, England. Recovery of sulfur from mixtures containing tarry matters. No. 1,059,996; Apr. 29; Gaz. vol. 189; p. 1050.
- Hunt, Elizabeth S., Washington, D. C. Invalid-support. No. 1,068,055; July 22; Gaz. vol. 192; p. 837.
- Hunt, Frederick F., New York, N. Y. Manufacture of soluble barium salts. No. 1,070,810; Aug. 19; Gaz. vol. 193; p. 660.
- Hunt, George G., Plano, assignor to Richards-Wilcox Manufacturing Company, Aurora, Ill. Quick-acting vise. No. 1,055,278; Mar. 4; Gaz. vol. 188; p. 207.
- Hunt, Helm, Ferris & Company. (See Ferris, Henry L., assignor.)
- Hunt, John D., Jr., Alexandria Bay, N. Y. Side plane for boats. No. 1,074,951; Oct. 7; Gaz. vol. 195; p. 123.
- Hunt, Louis J., Sandycroft, England, assignor to General Electric Company. Rotor-windings for alternating-current dynamo-electric machines. No. 1,057,061; Mar. 25; Gaz. vol. 188; p. 916.
- Hunt, Louis J., Sandycroft, Wales, assignor to General Electric Company. Rotor-windings for alternating-current dynamo-electric machines. (Reissue.) No. 13,591; July 8; Gaz. vol. 192; p. 490.
- Hunt, Raymond L., assignor of one-half to H. W. Lyons, Cambridge, Idaho. Safety-stirrup. No. 1,050,658; Jan. 14; Gaz. vol. 186; p. 490.
- Hunt, Sylvester H., Long Branch, N. J. Grate. No. 1,060,683; May 6; Gaz. vol. 190; p. 41.
- Hunt, William H., New York, N. Y. Coal-wagon. No. 1,071,052; Aug. 26; Gaz. vol. 193; p. 775.
- Hunter, Alva, Bakersfield, assignor of one-half to W. B. Robb, Los Angeles, Cal. Standing-valve construction for well-pumps. No. 1,049,719; Jan. 7; Gaz. vol. 186; p. 137.
- Hunter, Campbell M., London, England. Burner for combustible gases. No. 1,071,053; Aug. 26; Gaz. vol. 193; p. 775.
- Hunter, Charles J. (See Edwards and Hunter.)
- Hunter, David G., Simmer, and T. G. Murton, Jack, Transvaal. Mantle for crushing-heads of gyratory rock-crushers and the like. No. 1,066,277; July 1; Gaz. vol. 192; p. 134.
- Hunter, George C., Cleveland, Ohio, assignor to Houghton and Richards, Boston, Mass. Band-saw. No. 1,066,498; July 8; Gaz. vol. 192; p. 236.
- Hunter, Harry, Indianapolis, Ind. Dry-kiln. No. 1,067,921; July 22; Gaz. vol. 192; p. 792.
- Hunter, Henry B., Norfolk, Va. Treating cocoa. No. 1,076,122; Oct. 21; Gaz. vol. 95; p. 583.
- Hunter, Hugh M., assignor to The National-Acme Manufacturing Company, Cleveland, Ohio. Metal-working machine. No. 1,081,964; Dec. 23; Gaz. vol. 197; p. 793.
- Hunter, James S., Somerville, Mass. Type-writer desk. No. 1,072,121; Sept. 2; Gaz. vol. 194; p. 154.
- Hunter, John. (See Gilfillan, Essington N., assignor.)
- Hunter, John F., assignor of one-third to W. Wormbrodt and one-third to R. O. Hutchings, Rifle, Colo. Stirrup-leather fastener. No. 1,055,045; Mar. 4; Gaz. vol. 188; p. 134.
- Hunter, John P. (See Kuntzler, Henry, assignor.)
- Hunter, John P., and H. Kuntzler, Wilkes-Barre, Pa., assignors to Adder Machine Company. Elimination and clear signal for adding-machines. No. 1,054,554; Feb. 25; Gaz. vol. 187; p. 1038.
- Hunter, John P., and H. Kuntzler, Wilkes-Barre, Pa., assignors to Adder Machine Company. Keyboard-locking mechanism for adding-machines. No. 1,074,721; Oct. 7; Gaz. vol. 195; p. 46.
- Hunter, John S., Egeland, N. D. Traction device. No. 1,060,684; May 6; Gaz. vol. 190; p. 41.
- Hunter, John S., assignor of one-half to J. A. Wishard, Lamar, Colo. Ore-concentrator. No. 1,051,412; Jan. 28; Gaz. vol. 186; p. 816.
- Hunter, Matthew A., Troy, N. Y. Low-freezing liquid. No. 1,082,528; Dec. 30; Gaz. vol. 197; p. 1019.
- Hunter, Maurice E., Beverly, N. J. Eyeglass-mounting. No. 1,050,943; Jan. 21; Gaz. vol. 186; p. 625.
- Hunter, Robert C. (See Haas and Hunter.)
- Hunter, Rudolph M. (See Osbourn, Millard P., assignor.)
- Hunter, Rudolph M. (See Weeks and Hunter.)
- Hunter, Samuel, Bellevue, Pa. Routing-machine. No. 1,083,212; Dec. 30; Gaz. vol. 197; p. 1250.
- Hunter, William, Jr., Spartanburg, S. C. Steam-engine. No. 1,065,809; June 24; Gaz. vol. 191; p. 1000.

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- Huntington, Thomas, London, England, and F. Heberlein, Frankfort-on-the-Main, Germany. Recovering zinc and other volatile metals. No. 1,069,085; July 29; Gaz. vol. 192; p. 1233.
- Huntley, David, London, England. Electric heating element. No. 1,081,233; Dec. 9; Gaz. vol. 197; p. 482.
- Huntley, John G., West Pittston borough, Pa. Coal-drill. No. 1,055,464; Mar. 11; Gaz. vol. 188; p. 310.
- Huntley Manufacturing Company. (See Morse, Theodore F., assignor.)
- Huntoon, Charles, W. C. Rolfe, and W. L. Wright, Los Angeles, Cal. Protective mounting for the lenses of moving-picture machines. No. 1,053,512; Feb. 18; Gaz. vol. 187; p. 648.
- Huntoon, Charles, W. C. Rolfe, and W. L. Wright, Los Angeles, Cal. Film-tensioning device for moving-picture machines. No. 1,074,177; Sept. 30; Gaz. vol. 194; p. 982.
- Huntoon, Charles F., assignor to E. A. Laughlin, Chicago, Ill. Third suspension for brake-beams. No. 1,060,842; May 6; Gaz. vol. 190; p. 96.
- Huntoon, Charles F., assignor to E. A. Laughlin, Chicago, Ill. Brake-beam. No. 1,066,617; July 8; Gaz. vol. 192; p. 278.
- Huntoon, Harry A., Fort Madison, Iowa, assignor to Fort Madison Plow Company. Plow-adjusting mechanism. No. 1,078,285; Nov. 11; Gaz. vol. 196; p. 391.
- Huntress, George L., Jr., Winchester, Mass. Water-gage. No. 1,059,733; Apr. 22; Gaz. vol. 189; p. 919.
- Huntzinger, Ida R., Scranton, Pa. Corset-cover. No. 1,062,467; May 20; Gaz. vol. 190; p. 722.
- Hunyady, Frank, Chicago, Ill. Combined clothes-drier and curtain-stretcher. No. 1,062,100; May 20; Gaz. vol. 190; p. 600.
- Hunz, Josef, assignor to Herm. Schroers Maschinenfabrik, Crefeld, Germany. Cop-winding machine. No. 1,061,542; May 13; Gaz. vol. 190; p. 373.
- Hunz, Joseph, München-Gladbach, assignor to Herm. Schroers Maschinenfabrik, Crefeld, Germany. Cop-winding machine. No. 1,061,543; May 13; Gaz. vol. 190; p. 374.
- Hunziker, Otto, Wichita, Kans. Liquid-fuel burner. No. 1,051,111; Jan. 21; Gaz. vol. 186; p. 683.
- Hupfeld Aktiengesellschaft, Ludwig. (See Hennig, Gustav K., assignor.)
- Hupp Motor Car Company. (See Nelson, Emil A., assignor.)
- Hupp, William R., Newport, assignor of three-sixteenths to C. E. Burchfield, Johnson City, three-sixteenths to O. B. Keister, Knoxville, three-sixteenths to O. Lowe, and three-sixteenths to W. R. McHarge, Newport, Tenn. Splice-bar. No. 1,059,874; Apr. 22; Gaz. vol. 189; p. 964.
- Hupp, Fred J., Spalding, Mich. Firearm. No. 1,078,923; Nov. 18; Gaz. vol. 196; p. 643.
- Hurd, Benjamin. (See Le Pontols, Leon J., assignor.)
- Hurd, Charles F., Reno, Nev. Wire-stretcher. No. 1,065,366; June 24; Gaz. vol. 191; p. 851.
- Hurd, Edward L., Milton, Mass., assignor to United Shoe Machinery Company, Paterson, N. J. Cutting-block. No. 1,079,599; Nov. 25; Gaz. vol. 196; p. 907.
- Hurd, Harry A., Des Moines, Iowa. Denture-support. No. 1,060,568; Apr. 29; Gaz. vol. 189; p. 1248.
- Hurd, Hubbard F., assignor, by mesne assignments, to Cluett, Peabody & Co., Inc., Troy, N. Y. Soft fold-collar. No. 1,073,132; Sept. 16; Gaz. vol. 194; p. 572.
- Hurd, Norman B. (See Voight and Hurd.) (Reissue.)
- Hurd, Ralph W., Spokane, Wash. Cooking utensil. No. 1,051,233; Jan. 21; Gaz. vol. 186; p. 722.
- Hurdman, Allan G., Denver, Colo. Bipolar intragastric electrode. No. 1,056,336; Mar. 18; Gaz. vol. 188; p. 635.
- Hurdman, Allan G., Denver, Colo. Means for controlling the escape of fluids from tanks. No. 1,070,136; Aug. 12; Gaz. vol. 193; p. 390.
- Hurdman, Allan G., assignor of one-third to W. S. Iliff, Denver, Colo. Valve-operating mechanism for tanks. No. 1,056,421; Mar. 18; Gaz. vol. 188; p. 664.
- Hurdman, Allan G., assignor of one-third to W. S. Iliff, Denver, Colo. Fluid control for tanks. No. 1,068,773; July 29; Gaz. vol. 192; p. 1124.
- Hurdman, Allan G., assignor of one-third to W. S. Iliff, Denver, Colo. Means for controlling the escape of fluids from tanks. No. 1,069,427; Aug. 5; Gaz. vol. 193; p. 119.
- Hurel, Amand M., New York, N. Y. Truss. No. 1,062,158; May 20; Gaz. vol. 190; p. 620.
- Hurford, Bella C., Cleveland, Ohio. Window-screen. No. 1,073,492; Sept. 16; Gaz. vol. 194; p. 698.
- Hurl, Charles W., assignor to D. P. Weimer, Johnstown, Pa. Automatic release-valve for air-brake systems. No. 1,067,738; July 15; Gaz. vol. 192; p. 697.
- Hurlbut, Ira D., Prairie du Chien, Wis. Drier for relief printing. No. 1,066,278; July 1; Gaz. vol. 192; p. 134.
- Hurlbut, Ira D., Prairie du Chien, Wis. Relief print. No. 1,083,100; Dec. 30; Gaz. vol. 197; p. 1217.
- Hurlbut, Ishmael F., San Francisco, Cal. Curved shade-roller and curtain-rod. No. 1,071,158; Aug. 26; Gaz. vol. 193; p. 809.
- Hurlbut, Kenneth C. (See Bear and Hurlbut.)
- Hurlbut, Kenneth C., assignor of one-half to W. G. Bear, Monroe, Wis. Chair attachment. No. 1,056,337; Mar. 18; Gaz. vol. 188; p. 636.
- Hurlbutt, Earl W., Van Wert, Ohio. Gate. No. 1,060,549; Apr. 29; Gaz. vol. 189; p. 1241.
- Hurley, Francis L., Roanoke, Va. Gage-bracket. No. 1,083,254; Dec. 30; Gaz. vol. 197; p. 1264.
- Hurley, Isaac, Ontario Center, N. Y. Motor. No. 1,081,044; Dec. 9; Gaz. vol. 197; p. 420.
- Hurley, Sarah R., North Attleboro, Mass. Soldered rope-chain. No. 1,055,751; Mar. 11; Gaz. vol. 188; p. 404.
- Hursh, Albert S., Milton, Pa. Folding basket. No. 1,071,054; Aug. 26; Gaz. vol. 193; p. 775.
- Hurst, Albert K., Dallas, Tex. Garment-waist adjuster. No. 1,076,370; Oct. 21; Gaz. vol. 195; p. 668.
- Hurst, Francis J., Denver, Colo. Conduit-box. No. 1,069,877; Aug. 12; Gaz. vol. 193; p. 302.
- Hurst, Joseph H., Sheffield, England. Compressor for air and gas. No. 1,082,156; Dec. 23; Gaz. vol. 197; p. 858.
- Hurt, Henry H., Covington, Va., assignor to J. S. Robeson, Au Sable Forks, N. Y. Treating waste sulfate liquor and compound obtained therefrom. No. 1,075,916; Oct. 14; Gaz. vol. 195; p. 484.
- Hurt, William N. (See Pring, John R., assignor.)
- Hurwitz, Aaron E., and C. W. Goodman, Portland, Oreg. Balance-staff for watches. No. 1,080,449; Dec. 2; Gaz. vol. 197; p. 187.
- Hurwitz & Co., Hermann. (See Hajek, Rudolf, assignor.)
- Hurwitz, Martin, Jacksonville, Ill. Attachment for trousers. No. 1,076,581; Oct. 21; Gaz. vol. 195; p. 743.
- Hus, Peter, Red Oak, Iowa. Flower-support. No. 1,055,914; Mar. 11; Gaz. vol. 188; p. 459.
- Husar, Frank Z., Chicago, Ill. Abdominal supporter. No. 1,076,287; Oct. 21; Gaz. vol. 195; p. 638.
- Husch, George S. (See Husch, Sylvester B. and G. S.)
- Husch, Sylvester B. and G. S., New York, N. Y. Tooth-brush. No. 1,080,633; Dec. 9; Gaz. vol. 197; p. 279.
- Husch, Sylvester B. and G. S., New York, N. Y. Tooth-brush. No. 1,080,634; Dec. 9; Gaz. vol. 197; p. 280.
- Huseby, Albert A., Chicago, Ill. Planing-machine. No. 1,051,594; Jan. 28; Gaz. vol. 186; p. 879.
- Huskinson, Arno C. (See Digby, Beatty, and Huskinson.)
- Huss, Albert C., Hessel, Mich. Wagon. No. 1,052,059; Feb. 4; Gaz. vol. 187; p. 74.
- Huss, Ernest A., Haswell, Colo. Train-order crane. No. 1,069,428; Aug. 5; Gaz. vol. 193; p. 119.
- Huss, Joseph G., Minneapolis, Minn. Soil-pipe vented fitting. No. 1,052,254; Feb. 4; Gaz. vol. 187; p. 142.
- Huss, Joseph G., and W. A. Smith, Minneapolis, Minn. Soil-pipe fitting. No. 1,062,008; May 20; Gaz. vol. 190; p. 568.
- Hussey, Arthur M., North Berwick, Me. Stone boat or drag. No. 1,055,328; Mar. 11; Gaz. vol. 188; p. 262.
- Hussey, George R., *et al.* (See Seamon, Percy R., assignor.)
- Hussey, Harry W. (See Levick, Alban O., assignor.)
- Hussey, William H. (See Levick and Hussey.)
- Hussong, Joseph, Camden, N. J. Dyeing-machine. No. 1,079,247; Nov. 18; Gaz. vol. 196; p. 754.
- Husted, Don B., Auburn, Ohio. Traction-wheel. No. 1,062,335; May 20; Gaz. vol. 190; p. 680.
- Huston, Elmer. (See Edwards and Huston.)
- Huston, George M., New York, N. Y. Door-securer. No. 1,073,238; Sept. 16; Gaz. vol. 194; p. 609.
- Huston, George M., New York, N. Y. Vehicle spring-equalizer. No. 1,073,804; Sept. 23; Gaz. vol. 194; p. 828.
- Huston, Isaac G., Carey, Ohio. Clamp. No. 1,061,178; May 6; Gaz. vol. 190; p. 211.
- Huston, Lewis A., New York, N. Y. Vehicle-spring. No. 1,074,178; Sept. 30; Gaz. vol. 194; p. 983.
- Huston, Robert M., Fall River, Kans. Floor-jack. No. 1,060,843; May 6; Gaz. vol. 190; p. 96.
- Huston, William R., Gadsden, Ala. Illuminated sign. No. 1,051,234; Jan. 21; Gaz. vol. 186; p. 722.
- Hutchens, Fred, Valton, Wis. Oil-stove attachment. No. 1,064,485; June 10; Gaz. vol. 191; p. 486.
- Hutches, Benjamin F., Jr., Allendale, N. J. Automatic control system for electric railways. No. 1,082,956; Dec. 30; Gaz. vol. 197; p. 1169.
- Hutches, Benjamin F., Jr., Allendale, N. J., assignor to Underwood Typewriter Company, New York, N. Y. Type-writing machine. No. 1,062,009; May 20; Gaz. vol. 190; p. 569.
- Hutchings, Charles E. (See Ruttan and Hutchings.)
- Hutchings, Charles F., Jr. (See Petty, Miles F., assignor.)
- Hutchings, Marvin C., assignor of one-third to G. W. Baker, Bozeman, Mont. Safety device for elevators. No. 1,080,450; Dec. 2; Gaz. vol. 197; p. 187.
- Hutchings, Richard O., *et al.* (See Hunter, John F., assignor.)
- Hutchins, Albert, and E. H. McFarland, Oak Creek, Colo. Street-sweeper. No. 1,053,037; Feb. 11; Gaz. vol. 187; p. 439.
- Hutchins, Arthur W., Cranston, R. I. Pin-tongue for bar-pins, &c. No. 1,049,363; Jan. 7; Gaz. vol. 186; p. 15.

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- Hutchins, Arthur W., Cranston, R. I. Safety-pin. No. 1,067,922; July 22; Gaz. vol. 192; p. 792.
- Hutchins, Arthur W., Cranston, assignor of one-half to W. Ely, Providence, R. I. Means for drying articles of jewelry. No. 1,075,476; Oct. 14; Gaz. vol. 195; p. 334.
- Hutchins Car Roofing Company. (See Latta and Thompson, assignors.)
- Hutchins, Chauncey C., Grand Rapids, Mich. Composition for removing wall-paper, calcimine, &c. No. 1,066,017; July 1; Gaz. vol. 192; p. 40.
- Hutchins, George F. (See Wyman and Hutchins.)
- Hutchins, George F., Worcester, Mass., assignor to Crompton & Knowles Loom Works. Loom shuttle-check. No. 1,051,112; Jan. 21; Gaz. vol. 186; p. 683.
- Hutchins, George F., Worcester, Mass., assignor to Crompton & Knowles Loom Works. Weft-replenishing loom. No. 1,051,595; Jan. 28; Gaz. vol. 186; p. 879.
- Hutchins, George F., Worcester, Mass., assignor to Crompton & Knowles Loom Works. Tuft-yarn carrier. No. 1,065,871; June 24; Gaz. vol. 191; p. 1022.
- Hutchins, George F., Worcester, Mass., assignor to Crompton & Knowles Loom Works. Spools for tuft-yarn carriers. No. 1,067,656; July 15; Gaz. vol. 192; p. 669.
- Hutchins, Zephyr H., *et al.* (See Watson, William H., assignor.)
- Hutchinson, Charles H., *et al.* (See Crabb, Hugh A., assignor.)
- Hutchinson, Charles T., Oakland, assignor to Joshua Hendry Iron Works, San Francisco, Cal. Rock-crusher. No. 1,054,123; Feb. 25; Gaz. vol. 187; p. 891.
- Hutchinson, Charles W., New Rochelle, assignor of forty-nine one-hundredths to C. W. Nisbett, Flushing, N. Y. Window-shade fixture. No. 1,059,964; Apr. 22; Gaz. vol. 189; p. 995.
- Hutchinson, George, Christchurch, New Zealand. Weighing-scale. No. 1,081,234; Dec. 9; Gaz. vol. 197; p. 482.
- Hutchinson, Job, New York, N. Y., assignor to National Indicator Company. Fluid-pressure control of transoms and windows. No. 1,054,417; Feb. 25; Gaz. vol. 187; p. 993.
- Hutchinson, Job, New York, N. Y., assignor to National Indicator Company. Changeable indicator. No. 1,067,249; July 15; Gaz. vol. 192; p. 530.
- Hutchinson, Job, New York, N. Y., assignor to National Indicator Company. Changeable indicator. No. 1,067,250; July 15; Gaz. vol. 192; p. 530.
- Hutchinson, Job, New York, N. Y., assignor to National Indicator Company. Changeable indicator. No. 1,067,251; July 15; Gaz. vol. 192; p. 531.
- Hutchinson, Job, New York, N. Y., assignor to National Indicator Company. Changeable indicator. No. 1,067,252; July 15; Gaz. vol. 192; p. 531.
- Hutchinson, Job, New York, N. Y., assignor to National Indicator Company. Beater for mayonnaise dressing and the like. No. 1,071,747; Sept. 2; Gaz. vol. 194; p. 26.
- Hutchinson, Job, Bensonhurst, N. Y., assignor to National Indicator Company. Changeable indicator. No. 1,067,248; July 15; Gaz. vol. 192; p. 529.
- Hutchinson, Job, Long Island City, N. Y., assignor to National Indicator Company. Ice-pick. No. 1,080,220; Dec. 2; Gaz. vol. 197; p. 106.
- Hutchinson, John B., Grand Rapids, Mich. Moving sign. No. 1,075,149; Oct. 7; Gaz. vol. 195; p. 193.
- Hutchinson, Martha E., Los Angeles, Cal. Invalid bed-gown. No. 1,080,451; Dec. 2; Gaz. vol. 197; p. 187.
- Hutchinson, William H., Rochester, N. Y. Hydrometric egg-detector. No. 1,075,477; Oct. 14; Gaz. vol. 195; p. 334.
- Hutchinson, William J., Toronto, Ontario, Canada. Appliance for adjusting the folding tops of vehicles. No. 1,073,900; Sept. 23; Gaz. vol. 194; p. 861.
- Hutchison, Benjamin O., Upper Alton, Ill. Meter-reading chart. No. 1,075,256; Oct. 7; Gaz. vol. 195; p. 230.
- Hutchison, Earl R., Amiot, Kans. Barrel-support. No. 1,076,371; Oct. 21; Gaz. vol. 195; p. 668.
- Hutchison, Ephraim K., Ely, Nev. Triple valve. No. 1,052,342; Feb. 4; Gaz. vol. 187; p. 170.
- Hutchison, Miller R., Summit, N. J. Diaphragm-horn. No. 1,052,416; Feb. 4; Gaz. vol. 187; p. 195.
- Hutchison, Miller R., Summit, N. J. Speed device and indicator. No. 1,068,133; July 22; Gaz. vol. 192; p. 863.
- Hutchison, Miller R., Bronxville, N. Y. Electrographic display apparatus and method. No. 1,068,774; July 29; Gaz. vol. 192; p. 1124.
- Hutchison, Miller R., Summit, N. J., assignor to The Industrial Instrument Company, Waterbury, Conn. Speed-controlled device and indicator. No. 1,068,132; July 22; Gaz. vol. 192; p. 863.
- Hutchison, Miller R., Summit, N. J., assignor to The Industrial Instrument Company, Waterbury, Conn. Speed device and indicator. No. 1,068,134; July 22; Gaz. vol. 192; p. 864.
- Hutchison, Miller R., Summit, N. J., assignor to The Industrial Instrument Company, Waterbury, Conn. Speed device and indicator. No. 1,068,135; July 22; Gaz. vol. 192; p. 864.
- Hutchison, Miller R., Summit, N. J., assignor to The Industrial Instrument Company, Waterbury, Conn. Speed device and indicator. No. 1,068,136; July 22; Gaz. vol. 192; p. 865.
- Hutchison, Robert B., Wilkinsburg, Pa. Pumping mechanism for vacuum-cleaners. No. 1,067,029; July 8; Gaz. vol. 192; p. 418.
- Hutchison, Robert B., Wilkinsburg, Pa. Pumping mechanism for vacuum-cleaners. No. 1,067,030; July 8; Gaz. vol. 192; p. 418.
- Hutchison, Robert B., Wilkinsburg, Pa. Pumping mechanism for vacuum-cleaners. No. 1,067,118; July 8; Gaz. vol. 192; p. 449.
- Hutchison, William. (See Lutz and Hutchison.)
- Hutchison, William T. (See Rutkowski and Hutchison.)
- Huth, Albin, Chicago, Ill. Aerodrome. No. 1,056,179; Mar. 18; Gaz. vol. 188; p. 584.
- Huth, Erich. (See Müller, Edmund, assignor.)
- Huth, Karl H. F., Hamburg, Germany. Apparatus for producing ornamental sash-bars. No. 1,074,722; Oct. 7; Gaz. vol. 195; p. 47.
- Huther Bros. Saw Mfg. Co. (See Huther, Warren B., assignor.)
- Huther Brothers Saw Mfg. Co. (See Aldridge, Harry G., assignor.)
- Hüther, Christoph F., Jr., Eschwege, Germany. Turning-lathe. No. 1,073,901; Sept. 23; Gaz. vol. 194; p. 861.
- Huther, Warren B., assignor to Huther Bros. Saw Mfg. Co., Rochester, N. Y. Grinding-machine. No. 1,050,464; Jan. 14; Gaz. vol. 186; p. 425.
- Huttelmaier, Gustave E., Scottdale, Pa. Safety appliance for mine-cages. No. 1,061,747; May 13; Gaz. vol. 190; p. 443.
- Huttelmaier, Gustave E., Scottdale, Pa. Driving mechanism for haulage systems. No. 1,063,033; May 27; Gaz. vol. 190; p. 951.
- Huttelmaier, Gustave E., Scottdale, Pa. Apparatus for controlling air and other gas-compressors. No. 1,080,452; Dec. 2; Gaz. vol. 197; p. 187.
- Hutter, Jacob, assignor to Benj. Wertheimer & Co., New York, N. Y. Hat. No. 1,052,343; Feb. 4; Gaz. vol. 187; p. 170.
- Hutto, Jophes P. (See Hutto, Oscar L., assignor.)
- Hutto, Joseph P., Pelion, S. C. Plow. No. 1,050,833; Jan. 21; Gaz. vol. 186; p. 584.
- Hutto, Oscar L., assignor of one-half to J. P. Hutto, Pelion, S. C. Window-sash. No. 1,062,916; May 27; Gaz. vol. 190; p. 913.
- Hutton, Clyde S., Conyngham, Pa. Coupling. No. 1,071,235; Aug. 26; Gaz. vol. 193; p. 836.
- Hutton, James C., Springfield, S. D. Smoke-house. No. 1,052,255; Feb. 4; Gaz. vol. 187; p. 142.
- Hutton, Robert S. (See Bottomley, Hutton, and Paget.) (Reissue.)
- Hutton, Samuel T., assignor to Scheidel Western X-Ray Coil Co., Chicago, Ill. Compression-table and system of operation for the same. No. 1,074,120; Sept. 30; Gaz. vol. 194; p. 964.
- Hutton, Stanley P. (See Naylor and Hutton.)
- Huxford, George T., Providence, R. I. Adjustable fluid-tight packingless valve. No. 1,069,067; July 29; Gaz. vol. 192; p. 1225.
- Huxley, Floyd E., assignor of one-half to L. V. Gustin, Chicago, Ill. Shoe-blackening stand. No. 1,070,962; Aug. 19; Gaz. vol. 193; p. 709.
- Huye, Joseph G., assignor of one-half to W. J. Kernaghan, New Orleans, La. Automatic self-closing compound mixing-faucet. No. 1,061,293; May 13; Gaz. vol. 190; p. 285.
- Hyams, Sarah, New York, N. Y. Stamp-moistener. No. 1,068,659; July 29; Gaz. vol. 192; p. 1084.
- Hyatt, Frank S., Brooklyn, N. Y. Protective casing for glass bottles. No. 1,063,351; June 3; Gaz. vol. 191; p. 62.
- Hyatt, John W., Newark, N. J., assignor to Brunswick-Balke-Collender Company of New York, New York, N. Y. Handle for throwing bowling-balls. No. 1,068,389; July 22; Gaz. vol. 192; p. 952.
- Hyatt, John W., Newark, N. J., assignor to The Brunswick-Balke-Collender Company of New York, New York, N. Y. Compressed wooden article. No. 1,068,775; July 29; Gaz. vol. 192; p. 1125.
- Hyatt Roller Bearing Company. (See Knoth, Conrad, assignor.)
- Hyatt Roller Bearing Company. (See Lockwood, Charles S., assignor.)
- Hyatt, Seth B., Sedalia, Mo. Rail-joint. No. 1,065,611; June 24; Gaz. vol. 191; p. 934.
- Hyatt, Thomas B., Connellsville, Pa. Mail-box. No. 1,081,383; Dec. 16; Gaz. vol. 197; p. 572.
- Hybinette, Noak V., Kristiansand, Norway. Electrolysis of metal-salt solutions. No. 1,052,256; Feb. 4; Gaz. vol. 187; p. 143.
- Hyde, Benjamin T. B., New York, N. Y., and A. Gaul, Jr., Ridgefield, N. J. Aeroplane. No. 1,061,242; May 6; Gaz. vol. 190; p. 233.
- Hyde, Charles F., Chicago, Ill. Medicine-dropper. No. 1,055,180; Mar. 4; Gaz. vol. 188; p. 176.
- Hyde, Oscar H. (See Bacon, William M., assignor.)

Alphabetical list of patentees—Continued.

- Hyde, Thomas H., New Kensington, Pa. Lath-machine. No. 1,057,346; Mar. 25; Gaz. vol. 188; p. 1012.
- Hydraulic Drilling Company. (See Collins, Asa G., assignor.)
- Hydraulic Vacuum Dredging Company. (See Gray, Lawrence B., assignor.)
- Hydro-Carbon Company, The. (See Ross, James C., assignor.)
- Hydro-Carbon Machine Company. (See Ostler, Alexander, assignor.)
- Hye, Thomas, Spokane, Wash. Rotary pump. No. 1,061,544; May 13; Gaz. vol. 190; p. 374.
- Hyer, Hans, Baltimore, Md. Amusement device. No. 1,054,776; Mar. 4; Gaz. vol. 188; p. 43.
- Hyke, Francis G., Sr., assignor to E. E. Souther Iron Company, St. Louis, Mo. Eaves-trough. No. 1,058,240; Apr. 8; Gaz. vol. 189; p. 334.
- Hyle, Jacob A., assignor of one-half to W. R. Carmody, Chicago, Ill. Journal-box for railway-cars. No. 1,058,060; Apr. 8; Gaz. vol. 189; p. 270.
- Hyle, Jacob A., Chicago, Ill., assignor to Chicago Steel Railway Tie Company, Phoenix, Ariz. Railway-tie and fastening. No. 1,058,435; Apr. 8; Gaz. vol. 189; p. 403.
- Hyle, Jacob A., Chicago, Ill., assignor to New York Steel Railway Tie Company, New York, N. Y. Railway-tie and rail-fastening. No. 1,065,686; June 24; Gaz. vol. 191; p. 960.
- Hyle, Jacob A., and W. R. Carmody, Chicago, Ill., assignors to Chicago Steel Railway Tie Company, Phoenix, Ariz. Railway-tie and rail-fastening. No. 1,058,434; Apr. 8; Gaz. vol. 189; p. 403.
- Hyler, George, and G. Fisher, Lansing, Mich. Automatic railway-gate. No. 1,050,465; Jan. 14; Gaz. vol. 186; p. 425.
- Hyndman, George H., Butte, Mont. Valve. No. 1,081,833; Dec. 16; Gaz. vol. 197; p. 722.
- Hynes, Lee P., Chicago, Ill. Ventilator. No. 1,077,078; Oct. 28; Gaz. vol. 195; p. 971.
- Hysert, Frank, assignor of one-half to H. Wright, Salamanca, N. Y. Saw-set. No. 1,060,569; Apr. 29; Gaz. vol. 189; p. 1248.
- Hyslop, John, Abington, Mass., assignor to United Shoe Machinery Company, Paterson, N. J. Nail-making machine. No. 1,072,465; Sept. 9; Gaz. vol. 194; p. 300.
- Hyve, Louis, Dorignies, near Douai, France. Self-acting conveyor for coal and goaf-packing in colliery-inclines of low gradient. No. 1,079,176; Nov. 18; Gaz. vol. 196; p. 732.
- I. E. Palmer Company, The. (See Palmer, Isaac E., assignor.)
- I X L Insu-Metallic Products Company. (See Carlisle, George J., assignor.)
- Iacovino, John J., Providence, R. I. Compasses. No. 1,061,846; May 13; Gaz. vol. 190; p. 471.
- Ibach, Walter, Barmen, Germany. Transposing device for pianos. No. 1,068,137; July 22; Gaz. vol. 192; p. 865.
- Ibbeken, August, Bremen, Germany. Automatic back-surge seal for sewerage systems. No. 1,067,610; July 15; Gaz. vol. 192; p. 653.
- Iblings, Christopher, Akron, Iowa. Hinge. No. 1,067,119; July 8; Gaz. vol. 192; p. 450.
- Iblings, John L., Cedar Falls, Iowa. Automatic stock-salting device. No. 1,081,235; Dec. 9; Gaz. vol. 197; p. 482.
- Iceless Refrigerator Company. (See Southworth and Wolf, assignors.)
- Iceless Refrigerator Company. (See Wolf and Southworth, assignors.)
- Ickes, L. Z., et al., trustees. (See Converse, Newton B., assignor.)
- Icsiar, Adrian de, Ligao, Albay, Philippine Islands. Apparatus for extracting the fiber from the stalk of the abaca-plant. No. 1,052,325; Feb. 4; Gaz. vol. 187; p. 163.
- Ideal Disappearing Wall Bed Company, The. (See Hall, Harvey H., assignor.)
- Ideal Machinery Company. (See Walsh, John L., assignor.)
- Ideal Wheel Company, The. (See Strietelmeier, John E., assignor.)
- Ideal Wrapping Machine Company. (See Hopkins and Fellows, assignors.)
- Idris & Co. Limited. (See Idris, William T. W., assignor.)
- Idris, William T. W., assignor to Idris & Co. Limited, Camden Town, London, England. Head of siphons for aerated liquids. No. 1,049,364; Jan. 7; Gaz. vol. 186; p. 16.
- Ielfield, August, assignor to Columbia Postal Supply Company, Silver Creek, N. Y. Mail-marking machine. No. 1,079,492; Nov. 25; Gaz. vol. 196; p. 868.
- Ielfield, Fred C., assignor to Columbia Postal Supply Company, Silver Creek, N. Y. Mail-marking machine. No. 1,077,408; Nov. 4; Gaz. vol. 196; p. 60.
- Ielfield, Fred C., assignor to Columbia Postal Supply Company, Silver Creek, N. Y. Mail-marking machine. No. 1,078,096; Nov. 11; Gaz. vol. 196; p. 325.
- Iffland, Lawrence D. von, Fort Saskatchewan, Alberta, Canada. Apparatus for demonstrating the motions of the earth. No. 1,082,334; Dec. 23; Gaz. vol. 197; p. 922.
- Iglehart, Thomas N., San Francisco, Cal. Dental syringe-obturator. No. 1,064,331; June 10; Gaz. vol. 191; p. 432.
- Iglesias, Bienvenido, Santo Domingo, Dominican Republic. Burner. No. 1,070,344; Aug. 12; Gaz. vol. 193; p. 461.
- Igniter Appliance Company, The. (See Bullock, Arthur R., assignor.)
- Ignition Starter Company. (See FlitzGerald, John W., assignor.)
- Ihlder, John D., New York, N. Y., assignor to Otis Elevator Company, Jersey City, N. J. System of electrical control. No. 1,052,587; Feb. 11; Gaz. vol. 187; p. 285.
- Ihlder, John D., New York, N. Y., assignor to Otis Elevator Company, Jersey City, N. J. Motor-controlling mechanism. No. 1,064,224; June 10; Gaz. vol. 191; p. 396.
- Iitsuka, Bunpachi, Escondido, Cal. Butter-slicing device. No. 1,073,761; Sept. 23; Gaz. vol. 194; p. 815.
- Ikelheimer, Israel E. (See McCloud, Michael J., assignor.)
- Ilgenfritz, Elmer E. (See Schuele and Ilgenfritz.)
- Iliff, William S. (See Hurdman, Allan G., assignor.)
- Illes, Paul, Cleveland, Ohio. Window-screen. No. 1,074,952; Oct. 7; Gaz. vol. 195; p. 123.
- Illing, Leo H. (See Gierl, Joseph, assignor.)
- Illingworth, John W., Dorsey, Md. Treatment of wood. No. 1,051,596; Jan. 28; Gaz. vol. 186; p. 880.
- Illingworth, John W., Dorsey, Md., assignor of one-half to S. J. Young, Easton, Pa. Railway-tie. No. 1,054,418; Feb. 25; Gaz. vol. 187; p. 993.
- Illinois Concrete Machinery Co. (See Fisher, Andrew J., assignor.)
- Illinois Iron and Bolt Company. (See Rainbow, Frederick L., assignor.)
- Illinois Show Case Works. (See Meinel, Frederick E., assignor.)
- Illmer Gas Engine Company. (See Illmer, Louis, Jr., assignor.)
- Illmer Gas Engine Company. (See Illmer and Kunze, assignors.)
- Illmer, Louis, Jr., Ithaca, N. Y., assignor to Illmer Gas Engine Company. Internal-combustion engine. No. 1,057,837; Apr. 1; Gaz. vol. 189; p. 151.
- Illmer, Louis, Jr., Cincinnati, Ohio, assignor to Illmer Gas Engine Company. Internal-combustion engine. No. 1,057,838; Apr. 1; Gaz. vol. 189; p. 152.
- Illmer, Louis, Jr., Cincinnati, Ohio, assignor to Illmer Gas Engine Company. Gas-engine. No. 1,078,286; Nov. 11; Gaz. vol. 196; p. 391.
- Illmer, Louis, Jr., Baltimore, Md., assignor to Illmer Gas Engine Company. Gas-engine. No. 1,069,785; Aug. 12; Gaz. vol. 193; p. 269.
- Illmer, Louis, Jr., and E. J. Kunze, New York, N. Y., assignors to Illmer Gas Engine Company. Internal-combustion engine. No. 1,054,204; Feb. 25; Gaz. vol. 187; p. 919.
- Illmer, Louis, Jr., Reading, Pa., and E. J. Kunze, East Lansing, Mich., assignors to Illmer Gas Engine Company. Internal-combustion engine. No. 1,054,205; Feb. 25; Gaz. vol. 187; p. 920.
- Isley, Albert B., Chester, assignor of one-half to J. E. Gagnon and A. Kaufmann, Philadelphia, Pa. Type-case. No. 1,067,120; July 8; Gaz. vol. 192; p. 450.
- Iivonen, Jalmari, Ranier, Minn. Combined music stand and case. No. 1,069,617; Aug. 5; Gaz. vol. 193; p. 182.
- Iman, Orla H., assignor, by mesne assignments, to F. Voigtmann, Chicago, Ill., and S. H. Pomeroy, New Rochelle, N. Y. Sheet-metal window. No. 1,056,102; Mar. 18; Gaz. vol. 188; p. 557.
- Imbach, August, Arlen, Germany, assignor to Genossenschaft für Textilpatente, Basel, Switzerland. Apparatus for catching and holding the reserve thread in weft-replenishing looms. No. 1,058,977; Apr. 15; Gaz. vol. 189; p. 628.
- Imhof, Frederick R., New York, N. Y., assignor to Post Lock Register Co. Taximeter. No. 1,053,513; Feb. 18; Gaz. vol. 187; p. 648.
- Imhoff, Carl, Essen-on-the-Ruhr, Germany. Sewage purification. No. 1,053,396; Feb. 18; Gaz. vol. 187; p. 607.
- Imhoff, George A., Carrington, N. D. Automobile-wheel. No. 1,054,692; Mar. 4; Gaz. vol. 188; p. 13.
- Imhoff, George A., Grow, Okla. Shock-loader. No. 1,080,345; Dec. 2; Gaz. vol. 197; p. 151.
- Imhoff, Karl, Bredeneu, near Essen-on-the-Ruhr, Germany. Drying sludge. No. 1,056,548; Mar. 18; Gaz. vol. 188; p. 711.
- Imhoff, Karl, Bredeneu, near Essen-on-the-Ruhr, Germany. Settling-tank. No. 1,057,154; Mar. 25; Gaz. vol. 188; p. 949.
- Imhoff, Wilson, Lititz, Pa. Metallic railway-tie. No. 1,061,294; May 13; Gaz. vol. 190; p. 286.
- Imle, Emil, Dresden, Germany. Steam-turbine blade. No. 1,072,233; Sept. 2; Gaz. vol. 194; p. 191.
- Immerheiser, Carl. (See Blangey and Immerheiser.)
- Immerheiser, Carl. (See Julius and Immerheiser.)
- Impellitteri, Antonino. (See Impellitteri, Gaetano and A.)
- Impellitteri, Gaetano and A., New York, N. Y. Non-refillable bottle. No. 1,065,612; June 24; Gaz. vol. 191; p. 934.

Alphabetical list of patentees—Continued.

- Imperator, Vittorio, assignor to Società Italiana Per Il Carburio Di Calcio, Rome, Italy. Coating carbid with calcium cyanamid. No. 1,081,938; Dec. 16; Gaz. vol. 197; p. 755.
- Imperial Brass Manufacturing Company. (See McCanna, John F., assignor.)
- Imperial Sewing Machine Company, The. (See Scranton, Robert A., assignor.)
- Imperial Stopper Company. (See Irenius, Joseph V., assignor.)
- Imperial Stopper Company. (See Miller, Eiseck C., assignor.)
- Imperial Typewriter Company Limited. (See Moya, Hildaigo, assignor.)
- Imperiali, Roberto, Brescia, Italy. Explosive. No. 1,054,777; Mar. 4; Gaz. vol. 188; p. 43.
- Improved Equipment Company, The. (See Laird, Wilbur G., assignor.)
- Improved Paper Machinery Company, The. (See Parker, Howard, assignor.)
- Improved Sanitary Fixture Company. (See Barker, George H., assignor.)
- Improved Schiffli Machine Company. (See Keller, Anton, assignor.)
- Inray, Oliver. (See Finlay, Forest, assignor.)
- Inabnit, John R., Sedan, Mont. Restraining device. No. 1,083,101; Dec. 30; Gaz. vol. 197; p. 1218.
- Inco, Francis S., Los Angeles, Cal. Spring-bed. No. 1,075,977; Oct. 14; Gaz. vol. 195; p. 505.
- Indahl, Mauritz C. (See Bancroft and Indahl.)
- Inden, Francis W., St. Paul, Minn. Clothes-hanger. No. 1,069,643; Aug. 5; Gaz. vol. 193; p. 190.
- Independent Button Fastener Machine Co. (See Stenman, Elis F., assignor.)
- Independent Electric Manufacturing Company. (See Gaulke, William H., assignor.)
- Indian Die Casting Development Company, The. (See Parkhurst, Layton M., assignor.)
- Indiana Machine and Wire Company, The. (See Whittington, George W., assignor.)
- Indiana Manufacturing Company, The. (See Conner, George F., assignor.)
- Indiana Manufacturing Company, The. (See Welty, Albert B., assignor.)
- Indianapolis Stove Company. (See Brown, William J., assignor.)
- Induction Signal and Safety Stop Company. (See Sindeland and Woticky, assignors.)
- Industrial Instrument Company, The. (See Bristol and Goodyear, assignors.)
- Industrial Instrument Company, The. (See Hutchison, Miller R., assignor.)
- Industriele Maatschappij Trompenburg. (See Laviolette, Joseph V., assignor.)
- Inebnit, Glen W., Goshen, Ind. Slidable-section step-ladder. No. 1,081,236; Dec. 9; Gaz. vol. 197; p. 482.
- Ineson, Alva D., and P. C. Smith, Easton, Pa. Molding-machine. No. 1,051,999; Feb. 4; Gaz. vol. 187; p. 52.
- Infallible Moth and Dust Proof Receptacle Company, The. (See Geschickter, Leo, assignor.)
- Ingalls, Joseph B., Rock Island, Ill. Ring-gage. No. 1,069,551; Aug. 5; Gaz. vol. 193; p. 160.
- Ingels, Orie W., Carlyle, Ill. Mine-hoist recorder. No. 1,079,493; Nov. 25; Gaz. vol. 196; p. 868.
- Ingersoll, Charles J., Houston, Tex. Clothes-pin. No. 1,059,610; Apr. 22; Gaz. vol. 189; p. 879.
- Ingersoll, Frederick, Detroit, Mich. Pleasure-railway. No. 1,079,052; Nov. 18; Gaz. vol. 196; p. 689.
- Ingersoll Milling Machine Company, The. (See Smith, George W., assignor.)
- Ingersoll-Rand Company. (See Banner, Otto, assignor.)
- Ingersoll-Rand Company. (See Bayles, Lewis C., assignor.)
- Ingersoll-Rand Company, The. (See Carr, Walter E., assignor.)
- Ingersoll-Rand Company. (See Carter, Russell S., assignor.)
- Ingersoll-Rand Company. (See Clement, William, assignor.)
- Ingersoll-Rand Company. (See Gibson, Arthur H., assignor.)
- Ingersoll-Rand Company. (See Hansen, Charles C., assignor.)
- Ingersoll-Rand Company. (See Peck, Caid H., assignor.)
- Ingersoll-Rand Company. (See Prellwitz, William, assignor.)
- Ingersoll-Rand Company. (See Taylor, Albert H., assignor.)
- Inghram, Eva L., administratrix. (See Inghram, William R.)
- Inghram, William R., deceased, Tucson, Ariz.; E. L. Inghram, administratrix. Binding-eyelet. No. 1,082,335; Dec. 23; Gaz. vol. 197; p. 923.
- Ingison, Jay W., Kenmare, N. D. Current-motor. No. 1,071,748; Sept. 2; Gaz. vol. 194; p. 27.
- Ingle Machine Company, The. (See Patterson, Thomas S., assignor.)
- Inglis, Richard M., Youngstown, Ohio, and F. E. Wood, Girard, Pa.; said Wood assignor to said Inglis. Bundle-binding machine. No. 1,058,751; Apr. 15; Gaz. vol. 189; p. 547.
- Inglis, Robert P. (See Tobias, Frank F., assignor.)
- Ingman, Abner S., La Grange, Mo. Indicator. No. 1,050,078; Jan. 7; Gaz. vol. 186; p. 258.
- Ingoldsby Automatic Car Company, The. (See Ingoldsby and Bowling, assignors.)
- Ingoldsby, Frank S., and J. R. Bowling, assignors to The Ingoldsby Automatic Car Company, St. Louis, Mo. Car. (Reissue.) No. 13,511; Jan. 14; Gaz. vol. 186; p. 530.
- Ingraham, Edwin S., Oakville, Conn. Machine for making safety-pins. No. 1,082,873; Dec. 30; Gaz. vol. 197; p. 1141.
- Ingram, Gertrude. (See Ingram, Oscar L., assignor.)
- Ingram, Harry I. (See Ingram, Hillary P. and H. I.)
- Ingram, Hillary P. and H. I., De Ridder, La. Oil-burner. No. 1,076,828; Oct. 28; Gaz. vol. 195; p. 883.
- Ingram, Horace G., Juniata, assignor of one-half to S. Goldberg, Altoona, Pa. Electrical testing apparatus. No. 1,056,995; Mar. 25; Gaz. vol. 188; p. 894.
- Ingram, Joseph D., Panhandle, Tex. Draft-gear. No. 1,066,618; July 8; Gaz. vol. 192; p. 279.
- Ingram, Joseph D., Panhandle, Tex. Driving mechanism for tractors. No. 1,070,811; Aug. 19; Gaz. vol. 193; p. 661.
- Ingram, Joseph D., Washburn, Tex. Vehicle-wheel. No. 1,068,660; July 29; Gaz. vol. 192; p. 1085.
- Ingram, Oscar L., Walla Walla, assignor to G. Ingram, Walla Walla county, Wash. Adding-machine. No. 1,065,367; June 24; Gaz. vol. 191; p. 851.
- Inland Automatic Thresher and Machinery Co. Ltd. (See Leonard, William C., assignor.)
- Inlow, Porter A., Martin, Tenn. Desk attachment. No. 1,059,299; Apr. 15; Gaz. vol. 189; p. 737.
- Inman, Charles T., and H. A. Robinson, Akron, Ohio. Concrete-reinforcing member. No. 1,050,834; Jan. 21; Gaz. vol. 186; p. 585.
- Inman, Harry A., Amsterdam, N. Y. Adjustable box-machine. No. 1,067,253; July 15; Gaz. vol. 192; p. 532.
- Inrig, Gavan and L., London, England, assignors to R. L. Hubler and G. S. Greene, Dayton, Ohio. Dynamo-electric generator. No. 1,079,008; Nov. 18; Gaz. vol. 196; p. 673.
- Inrig, Leon. (See Inrig, Gavan and L.)
- Inshaw, George R., Uddingston, Scotland. Adjustable wind-screen joint for motor and other vehicles. No. 1,050,944; Jan. 21; Gaz. vol. 186; p. 625.
- Insull, Samuel. (See Johnson, Edward H., assignor.)
- Intemann, William, Brooklyn, assignor to American Lithographic Co., New York, N. Y. Cigar-band. No. 1,059,997; Apr. 29; Gaz. vol. 189; p. 1050.
- Intercontinental Rubber Company. (See Lawrence, William A., assignor.)
- International Accessories Manufacturing Company. (See Smith, Elmer S., assignor.)
- International Acheson Graphite Company. (See Smith, William A., assignor.)
- International Aeronautical Construction Company. (See Vaniman, Melvin, assignor.)
- International Automatic Machine Company. (See Feigl and Grossman, assignors.)
- International Barrel Company. (See Robinson, Edward W., assignor.)
- International Barrel Company. (See Robinson and Feister, assignors.)
- International Bleachers' Corporation, The. (See Sumner, Orlando, assignor.)
- International Cigar Machinery Company. (See Burchard, Hansen, and Marsh, assignors.)
- International Cigar Machinery Company. (See Luckett, William S., assignor.)
- International Cigar Machinery Company. (See Marsh, Harry S., assignor.)
- International Cigar Machinery Company. (See Prescott, Sydney I., assignor.)
- International Cork Co., The. (See Bogdanffy, Alexander, assignor.)
- International Electric Company. (See McGarvey, Edward, assignor.)
- International Fuse Lighter and Electric Manufacturing Company. (See Bargman, Harry, assignor.)
- International Gasglühlicht Actien-Gesellschaft. (See Ross, Ewald, assignor.)
- International Gymnasium Supply Company. (See Reach, Robert, assignor.)
- International Haloid Company. (See Du Pont, Francis I., assignor.)
- International Heater Company. (See Camp, George E., assignor.)
- International Lace Company. (See Lackey, George E., assignor.)
- International Locking Device Company. (See Lyons, John S., assignor.)
- International Machine Corporation. (See McConnell, William H., assignor.)
- International Machine and Screw Company. (See Warwick, George T., assignor.)

Alphabetical list of patentees—Continued.

- International Manufacturing & Equipping Co. (See Westfield, Newton C., assignor.)
 International Manufacturing & Mining Co. (See Stephens, Elisha A., assignor.)
 International Mining & Milling Co., The. (See Christensen, Christoffer A., assignor.)
 International Motor Company. (See Hewitt, Edward R., assignor.)
 International Motor Company. (See Mack, John M., assignor.)
 International Paper Company. (See Curtis, Allen, assignor.)
 International Postal Supply Company of New York, The. (See Jahn, Frederick G., assignor.)
 International Poultry Sales Company. (See Thomson, Thomas N., assignor.)
 International Precipitation Company. (See Cottrell, Frederick G., assignor.)
 International Sprinkler Company, The. (See Lewis, Arthur M., assignor.)
 International Sprinkler Company, The. (See Rowley, Arthur C., assignor.)
 International Steam Pump Company. (See Bowen, Reuben, assignor.)
 International Steam Pump Company. (See Hewitt, James, assignor.)
 International Steam Pump Company. (See Nickel and Sharp, assignors.)
 International Steel Tie Company. (See Day, William P., assignor.)
 International Tailoring Co. (See Lewyt, Arthur, assignor.)
 International Taxameter Company of America. (See Decker, Alonzo G., assignor.)
 International Telephone Co., The. (See Hastings, Ruben C. M., assignor.)
 International Text Book Company. (See Griffin, Edwin F., assignor.)
 International Time Recording Company of New York. (See Goss and Bryce, assignors.)
 International Time Recording Company of New York. (See Tomlinson, Charles E., assignor.)
 International Tunnel Machine Company, The. (See Speer, George F., assignor.)
 International Typesetting Machine Company. (See Barber, Ernest B., assignor.)
 International Window Manufacturing Company. (See George, Henry C., assignor.)
 International Window Manufacturing Company. (See McLaughlin, Frank, assignor.)
 International Window Manufacturing Company. (See White, Benjamin E., assignor.)
 Internationale Präzisions-Schmierapparate Aktiengesellschaft. (See Stabe, Feodor, assignor.)
 Internationale Wasserstoff Aktiengesellschaft. (See Lane, Howard, assignor.)
 Interstate Investment Company. (See Tait, Godfrey M. S., assignor.)
 Interwoven Mills, The. (See Kilbourn and Smith, assignors.)
 Intihar, Frank, Cleveland, Ohio. Wrench. No. 1,049,720; Jan. 7; Gaz. vol. 186; p. 137.
 Invincible Grain Cleaner Company. (See Keith, Elgin, assignor.)
 Ion, John W. (See Grundstrom, Gustave E., assignor.)
 Ion, William E., Littleton, W. Va. Checkrein for harness. No. 1,066,279; July 1; Gaz. vol. 192; p. 134.
 Ionides, Alexander C., Jr., London, England. Means for preventing the backward propagation of flame. No. 1,061,847; May 13; Gaz. vol. 190; p. 472.
 Ionides, Alexander C., Jr., London, England. Means for preventing the backward propagation of flame along a conduit conveying combustible gaseous mixtures. No. 1,068,904; July 29; Gaz. vol. 192; p. 1172.
 Iowa Ditching Machine Co. (See Poulter, Micajah L., assignor.)
 Ipsen, Henrik, New York, N. Y. Music-leaf turner. No. 1,056,684; Mar. 18; Gaz. vol. 188; p. 756.
 Ipsen, Henrik P., New York, N. Y. Ticket-holder. No. 1,052,344; Feb. 4; Gaz. vol. 187; p. 170.
 Ireland, Charles A. (See Billings, Claud A., assignor.)
 Ireland, John F., Pennville, Ind. Trolley pole and wheel. No. 1,069,014; July 29; Gaz. vol. 192; p. 1207.
 Ireland, Roy R., East Orange, and A. F. F. Gilson, Closter, N. J., assignor to Western Electric Company, New York, N. Y. Telephone hand set. No. 1,075,423; Oct. 14; Gaz. vol. 195; p. 315.
 Ireland, Ward S., Dallas, Tex. Stenographic-writing means. No. 1,057,964; Apr. 1; Gaz. vol. 189; p. 194.
 Irenius, Joseph V., Newark, N. J., assignor to Imperial Stopper Company. Bottling appliance. No. 1,079,053; Nov. 18; Gaz. vol. 196; p. 689.
 Irenius, Joseph V., and C. B. Weaver, Newark, N. J. Bottle-handling mechanism. No. 1,079,295; Nov. 18; Gaz. vol. 196; p. 769.
 Irick, Harry D., El Dara, Ill. Automatic receiving and delivering apparatus. No. 1,059,540; Apr. 22; Gaz. vol. 189; p. 857.
 Irving, William, New York, N. Y. Wrench. No. 1,053,181; Feb. 18; Gaz. vol. 187; p. 533.
 Irish, Burt H., assignor to Peru Electric Company, Peru, Ind. Incandescent-lamp socket. No. 1,054,419; Feb. 25; Gaz. vol. 187; p. 994.
 Irish, William M. (See Van Dyke and Irish.)
 Iron City Foundry Company, The. (See Lehman, Frank H., assignor.)
 Irrgang, Otto F. and R. P., Indianapolis, Ind. Discharge-regulator for tobacco-bags. No. 1,070,689; Aug. 19; Gaz. vol. 193; p. 621.
 Irrgang, Richard P. (See Irrgang, Otto F. and R. P.)
 Irvin, Samuel B., Los Angeles, Cal. Electric telephone recording apparatus. No. 1,055,279; Mar. 4; Gaz. vol. 188; p. 207.
 Irvin, William H. (See Armstrong, James R., assignor.)
 Irvine, Albert M., Philadelphia, Pa. Power-actuated hand-tool. No. 1,052,823; Feb. 11; Gaz. vol. 187; p. 367.
 Irvine, Albert M., Philadelphia, Pa. Power-actuated hand-tool. No. 1,052,824; Feb. 11; Gaz. vol. 187; p. 367.
 Irvine, John, Philadelphia, Pa. Hanger. No. 1,074,623; Oct. 7; Gaz. vol. 195; p. 12.
 Irving Iron Works Company. (See Keller, Gustav A., assignor.)
 Irving, Mary E., New York, N. Y. Razor-stropping machine. No. 1,064,332; June 10; Gaz. vol. 191; p. 432.
 Irving-Pitt Manufacturing Company. (See Pitt, William P., assignor.)
 Irving, Samuel C., Berkeley, Cal. Waterproof roofing-sheet. No. 1,062,400; May 20; Gaz. vol. 190; p. 701.
 Irwin, Anson W., Rochester, N. Y. Turnstile. No. 1,077,984; Nov. 11; Gaz. vol. 196; p. 287.
 Irwin, Edmond J., assignor of one-half to C. D. Cherry, Willow Creek, Mont. Means for overcoming dead-centers. No. 1,066,905; July 8; Gaz. vol. 192; p. 378.
 Irwin, Frank L., and J. E. Tesseyman, assignors to The Ralston Steel Car Company, Columbus, Ohio. Hopper-car. No. 1,062,237; May 20; Gaz. vol. 190; p. 647.
 Irwin, Frank L., and J. E. Tesseyman, assignors to The Ralston Steel Car Company, Columbus, Ohio. Hopper-car. No. 1,067,784; July 15; Gaz. vol. 192; p. 712.
 Irwin, Frank L., and J. E. Tesseyman, assignors to The Ralston Steel Car Company, Columbus, Ohio. Hopper-car. No. 1,075,571; Oct. 14; Gaz. vol. 195; p. 366.
 Irwin, Frank L., and J. E. Tesseyman, assignors to The Ralston Steel Car Company, Columbus, Ohio. Hopper-car. No. 1,075,572; Oct. 14; Gaz. vol. 195; p. 366.
 Irwin, Harry R., Newport, Ky. Water-motor. No. 1,082,634; Dec. 30; Gaz. vol. 197; p. 1058.
 Irwin, Harry R., Fort Thomas, Ky. Water-motor. No. 1,082,635; Dec. 30; Gaz. vol. 197; p. 1058.
 Irwin, John T., South Kensington, London, England. Electric oscillograph. No. 1,074,262; Sept. 30; Gaz. vol. 194; p. 1010.
 Irwin, Richard, Farmington, Mo. Radiator-truck. No. 1,072,234; Sept. 2; Gaz. vol. 194; p. 191.
 Isaacs, Herbert M., Newark, N. J. Food product. No. 1,080,971; Dec. 9; Gaz. vol. 197; p. 398.
 Isaacs, Mone R. (See Fefell, Henry H., assignor.)
 Isaacs, Mone R., Philadelphia, Pa. Coating composition. No. 1,063,974; June 10; Gaz. vol. 191; p. 309.
 Isaacs, Moses, New York, N. Y. Cloth-laying machine. No. 1,061,914; May 13; Gaz. vol. 190; p. 494.
 Isaacs, William R., assignor of one-half to T. G. Puckett, Thompsonville, Ill. Railway appliance. No. 1,078,287; Nov. 11; Gaz. vol. 196; p. 392.
 Isaacson, Henry E., et al. (See Isaacson and Morgan, assignors.)
 Isaacson, Louis C., Denver, and H. Morgan, Cripple Creek, assignors to said Louis C. S., and H. E. Isaacson, Denver, Colo., and P. S. Lourie, Kansas City, Mo. Lid-supporter for boxes. No. 1,056,996; Mar. 25; Gaz. vol. 188; p. 894.
 Isaacson, Oliver T., Champaign, Ill. Engine-cranking device. No. 1,067,657; July 15; Gaz. vol. 192; p. 670.
 Isaacson, Samuel, et al. (See Isaacson and Morgan, assignors.)
 Isakson, Charles B. and J. D. E., Brooklyn, N. Y. Engine-room telegraph-recorder. No. 1,054,206; Feb. 25; Gaz. vol. 187; p. 920.
 Isakson, John D. E. (See Isakson, Charles B. and J. D. E.)
 Isbell, Howard L., Naugatuck, assignor to The American Brass Company, Waterbury, Conn. Polyphase magnetic separator. No. 1,066,619; July 8; Gaz. vol. 192; p. 279.
 Isbell, Lewis J., assignor to Art Metal Construction Company, Jamestown, N. Y. Adjustable shelf and case therefor. No. 1,053,996; Feb. 25; Gaz. vol. 187; p. 849.
 Isbell-Porter Company. (See Woodall and Duckham, assignors.)
 Isbutsky, Hyman, et al. (See Wilcovitz, Charles, assignor.)
 Isbutsky, Michael, et al. (See Wilcovitz, Charles, assignor.)
 Isenberg, Herbert G., assignor to The Lorain Steel Company, Johnstown, Pa. Switch-tongue fastening. No. 1,074,365; Sept. 30; Gaz. vol. 194; p. 1044.
 Isenburg, Louis. (See Stilling, Louis J., assignor.)
 Isenbart, Rufus M. (See Burke, Stephen E., assignor.)
 Isham, Alonzo K., Seattle, Wash. Automatic flush-tank. No. 1,058,978; Apr. 15; Gaz. vol. 189; p. 628.
 Isham, Francis N., Avon, N. Y. Fertilizer-distributor. No. 1,055,752; Mar. 11; Gaz. vol. 188; p. 404.

Alphabetical list of patentees—Continued.

- Isherwood, Alfred, New Bedford, Mass. Loom-shuttle. No. 1,063,448; June 3; Gaz. vol. 191; p. 93.
- Isherwood, Alfred, New Bedford, Mass. Loom-shuttle. No. 1,070,963; Aug. 19; Gaz. vol. 193; p. 709.
- Isherwood, Alfred, New Bedford, Mass. Loom-shuttle. No. 1,070,964; Aug. 19; Gaz. vol. 193; p. 710.
- Isherwood, Harold. (See Pollen and Isherwood.)
- Isherwood, Joseph W., Middlesbrough, England. Construction of state-rooms. No. 1,052,060; Feb. 4; Gaz. vol. 187; p. 74.
- Isidor, Carlo, Rome, Italy. Vehicle with cellular partitions, boxes, or drawers which are let separately for the conveyance of goods. No. 1,072,948; Sept. 9; Gaz. vol. 194; p. 471.
- Isidor, Joseph S., Newark, N. J. Bag-frame hinge. No. 1,062,593; May 27; Gaz. vol. 190; p. 806.
- Isidor, Joseph S., Newark, N. J. Lock. No. 1,062,594; May 27; Gaz. vol. 190; p. 806.
- Isidor, Joseph S., Newark, N. J., assignor to R. Neumann Hardware Co. Catch for portfolios and the like. No. 1,080,832; Dec. 9; Gaz. vol. 197; p. 351.
- Isitt, Frederick C., Russ, Cal. Trunk-strap. No. 1,077,716; Nov. 4; Gaz. vol. 196; p. 162.
- Island, James S., Toronto, Ontario, Canada. Apparatus for forming oxides of nitrogen. No. 1,082,529; Dec. 30; Gaz. vol. 197; p. 1019.
- Isler, Max H. (See Müller and Isler.)
- Isler, Max H., Mannheim, assignor to Badische Anilin & Soda Fabrik, Ludwigshafen-on-the-Rhine, Germany. Coloring-matters of the anthraquinone series. No. 1,062,975; May 27; Gaz. vol. 190; p. 932.
- Isler, Max H., Mannheim, and P. Nawiasky, assignors to Badische Anilin & Soda Fabrik, Ludwigshafen-on-the-Rhine, Germany. Anthracene coloring-matters and making them. No. 1,057,243; Mar. 25; Gaz. vol. 188; p. 979.
- Isles, Edwin A., New York, N. Y. Mold for making concrete walls. No. 1,077,079; Oct. 28; Gaz. vol. 195; p. 971.
- Ismay, Matthew P., Newcastle-upon-Tyne, and J. W. Robinson, Haydon Bridge, England. Apparatus for rolling meat and like substances. No. 1,056,422; Mar. 18; Gaz. vol. 188; p. 665.
- Israel, Oscar J., Chariton, Iowa. Spool holder or case. No. 1,079,556; Nov. 25; Gaz. vol. 196; p. 890.
- Isselhorst, Heinrich, Bielefeld, and H. Angerstein, Berlin, Germany. Stamp feeding and affixing device. No. 1,081,270; Dec. 9; Gaz. vol. 197; p. 495.
- Issler, Gotthold, Wahn, Germany, assignor to E. I. du Pont de Nemours Powder Company, Wilmington, Del. Densifying fusible explosive nitro bodies. No. 1,074,263; Sept. 30; Gaz. vol. 194; p. 1011.
- Italy, William H., Brooklyn, N. Y. Bread-slicer. No. 1,064,650; June 10; Gaz. vol. 191; p. 540.
- Ithaca Gun Company. (See Flues, Emil, assignor.)
- Ito, Kumezo, Fukuoka-Ken, Japan. Propeller-blade-milling machine. No. 1,077,279; Nov. 4; Gaz. vol. 196; p. 12.
- Ivans, Julius, San Francisco, Cal. Electric-lamp stand. No. 1,050,217; Jan. 14; Gaz. vol. 186; p. 338.
- Ivatts, Ernest A., assignor to Society: Compagnie Generale de Phonographes, Cinematographes et Appareils de Precision, Paris, France. Toothed film-operating drum of kinematographic apparatus. No. 1,065,132; June 17; Gaz. vol. 191; p. 735.
- Ivatts, Ernest A., assignor to Society: Compagnie Generale de Phonographes, Cinematographes et Appareils de Precision, Paris, France. Mixed method of perforation for kinematographic films. No. 1,065,133; June 17; Gaz. vol. 191; p. 735.
- Ivatts, Ernest A., assignor to Society: Compagnie Generale de Phonographes, Cinematographes et Appareils de Precision, Paris, France. Self-lighting kinematographic apparatus. No. 1,065,134; June 17; Gaz. vol. 191; p. 735.
- Ivatts, Ernest A., assignor to Society: Compagnie Generale des Etablissements Pathe Freres, Phonographes et Cinematographes, Paris, France. Indicating device for the insertion of films in kinematographic projecting apparatus. No. 1,065,135; June 17; Gaz. vol. 191; p. 735.
- Iversen, Lorenz, West Homestead, assignor to Mesta Machine Company, Pittsburgh, Pa. Steam hydraulic press. No. 1,068,243; July 22; Gaz. vol. 192; p. 903.
- Iversen, Michael, Stoughton, Wis. Surgical appliance. No. 1,081,834; Dec. 16; Gaz. vol. 197; p. 722.
- Iverson, Nils, Bigtimber, Mont. Revolving harrow. No. 1,053,095; Feb. 11; Gaz. vol. 187; p. 461.
- Ives, Harry F. (See Ives, Lewis J., assignor.)
- Ives, Lewis J., Buffalo, assignor to H. F. Ives, New York, N. Y. Box. No. 1,054,655; Feb. 25; Gaz. vol. 187; p. 1073.
- Ives Manufacturing Corporation, The. (See Viall, William G., assignor.)
- Ives, William D., Jersey City, N. J., and J. Novak, New York, N. Y. Flue-section. No. 1,056,549; Mar. 18; Gaz. vol. 188; p. 711.
- Ivey, Hugh W., Bloomsburg, Pa. Clothes-line prop. No. 1,063,801; June 3; Gaz. vol. 191; p. 218.
- Ivory, James W., Philadelphia, Pa. Interchangeable artificial tooth. No. 1,081,307; Dec. 16; Gaz. vol. 197; p. 545.
- Ivory Safety Razor Company. (See Cameron, Arthur, assignor.)
- Izard, Henry, Portland, Oreg. Liquid-fuel burner. No. 1,074,435; Sept. 30; Gaz. vol. 194; p. 1068.
- Izod, Herbert W., Upper Norwood, England. Apparatus for oxygenating air. No. 1,074,550; Sept. 30; Gaz. vol. 194; p. 1103.
- Izzo, Gaspare. (See La Vergne, Izzo, and Macolino.)
- J. Geo. Leyner Engineering Works Company, The. (See Leyner, John G., assignor.)
- J. Rosenthal Mechanische Weberei, G. m. b. H. (See Rosenthal, Richard, assignor.)
- J. Stevens Arms & Tool Company. (See Burr, Charles A., assignor.)
- J. Stevens Arms & Tool Company. (See Lewis, George S., assignor.)
- J. A. Fay & Egan Company. (See Solem, Peter A., assignor.)
- J. B. Brooks and Company Limited. (See Holt, John, assignor.)
- J. B. King & Co. (See Bernhardt, David F., assignor.)
- J. B. Miller Keyless Lock Company, The. (See Miller, James B., assignor.)
- J. B. Stone Co. (See Diamond, James K., assignor.)
- J. C. Blair Company. (See Africa and McSheehy, assignors.)
- J. & C. Fischer. (See Mayer, Julian T., assignor.)
- J. & C. G. Bolinders Mekaniska Verkstads Aktiebolag. (See Tenow and Anderson, assignors.)
- J. & C. G. Bolinders Mekaniska Verkstads Aktiebolag. (See Westman, Anders A., assignor.)
- J. D. Randall Company, The. (See Doane, Harry E., assignor.)
- J. D. Riedel Aktiengesellschaft. (See Gans, Robert, assignor.)
- J. E. Mergott Company, The. (See Fuller, Franz A., assignor.)
- J. E. Porter Company. (See Jacobs, William F., assignor.)
- J. E. Porter Company. (See Yentzer, George W., assignor.)
- J. F. Sturdy's Sons Co. (See Eklund, Alexander, assignor.)
- J. G. Brill Company, The. (See Adams, Walter S., assignor.)
- J. G. Brill Company, The. (See Adams and Kohler, assignors.)
- J. G. Brill Company, The. (See Bole, Samuel T., assignor.)
- J. G. Brill Company, The. (See Brooks, James A., assignor.)
- J. G. Brill Company, The. (See Haddock, Henry E., assignor.)
- J. G. Brill Company, The. (See Heulings, William H., Jr., assignor.)
- J. G. Brill Company, The. (See Kohler, George B., assignor.)
- J. G. Brill Company, The. (See Liddell, Robert B., assignor.)
- J. G. Brill Company, The. (See Naulty, Thomas J., assignor.)
- J. G. Brill Company, The. (See Scarborough, Robert A., assignor.)
- J. H. Day Company, The. (See Allison, Daniel K., assignor.)
- J. H. Day Company, The. (See Sieber, Lawrence G., assignor.)
- J. H. Williams & Co. (See Amborn, George, assignor.)
- J. I. Case Plow Works. (See Michael, Clement W., assignor.)
- J. I. Case Plow Works. (See Sobey, William, assignor.)
- J. I. Case Threshing Machine Company. (See Birkett, Edward J., assignor.)
- J. I. Case Threshing Machine Company. (See Foster, Alva C., assignor.)
- J. L. Owens Manufacturing Company. (See Owens, Richard L., assignor.)
- J. M. Dodge Company, The. (See Johnston, Arthur C., assignor.)
- J. M. Lehmann Company. (See Hollstein, Paul G., assignor.)
- J. N. Lapointe Co., The. (See Lapointe, Francis J., assignor.)
- J. P. Curry Mfg. Co. (See Slosson, James B., assignor.)
- J. P. Seeburg Piano Company. (See Wiggen, Peter, assignor.)
- J. W. Moore Machine Company. (See Currier, Arthur L., assignor.)
- Jaberg, Frank A., assignor of one-half to H. F. Erdenkauf, New Philadelphia, Ohio. Clock. No. 1,050,542; Jan. 14; Gaz. vol. 186; p. 453.
- Jablczyński, Casimir. (See Moscicki and Jablczyński.)
- Jabusch, Alfred, Deer Park, Wis. Automobile tire-pump. No. 1,069,015; July 29; Gaz. vol. 192; p. 1208.
- Jaccard, Gustave J., New York, N. Y. Alarm-clock. No. 1,074,436; Sept. 30; Gaz. vol. 194; p. 1069.
- Jachens, John, San Francisco, Cal. Combination embossing device and pocket-clasp. No. 1,064,735; June 17; Gaz. vol. 191; p. 606.
- Jacho, Nicola, Allentown, Pa. Mine-door. No. 1,052,147; Feb. 4; Gaz. vol. 187; p. 105.

Alphabetical list of patentees—Continued.

- Jack, Alexander M. (See Hadfield, Jack, and Clerke.)
- Jack, Charles P. M., New York, N. Y. Convertible tank vessel. No. 1,049,490; Jan. 7; Gaz. vol. 186; p. 58.
- Jackson, Alexander M., Schenectady, N. Y., assignor to General Electric Company. Vapor electric apparatus. No. 1,074,179; Sept. 30; Gaz. vol. 194; p. 983.
- Jackson, Alexander M., Schenectady, N. Y., assignor to General Electric Company. Vapor electric apparatus. No. 1,081,308; Dec. 16; Gaz. vol. 197; p. 545.
- Jackson, Alexander M., Schenectady, N. Y., assignor to General Electric Company. Vapor electric apparatus. No. 1,081,309; Dec. 16; Gaz. vol. 197; p. 546.
- Jackson, Andrew, Chicago, Ill. Radiator vent-valve. No. 1,074,624; Oct. 7; Gaz. vol. 195; p. 13.
- Jackson, Byron D., assignor to Modern Tool Company, Erie, Pa. Driving device. No. 1,072,616; Sept. 9; Gaz. vol. 194; p. 352.
- Jackson, Byron D., assignor to Modern Tool Company, Erie, Pa. Tail-foot for lathes. No. 1,078,857; Nov. 18; Gaz. vol. 196; p. 621.
- Jackson, Charles L., and L. G. Lienhard, Del Mar, Cal. Casement-window fastener. No. 1,069,429; Aug. 5; Gaz. vol. 193; p. 120.
- Jackson, Clarence W., assignor of one-half to N. P. Hanson, Dunkirk, Mont. Combined air and oil valve for internal-combustion engines. No. 1,068,056; July 22; Gaz. vol. 192; p. 838.
- Jackson, Corwill, Madison, Wis., assignor to General Electric Company. Rock-drill. No. 1,075,424; Oct. 14; Gaz. vol. 195; p. 316.
- Jackson Cushion Spring Company. (See Shoemaker, George C., assignor.)
- Jackson, Dan D., Shawnee, Okla. Stalk-cutter. No. 1,067,429; July 15; Gaz. vol. 192; p. 593.
- Jackson, Dugald C., Boston, Mass. Mercury-meter. No. 1,049,365; Jan. 7; Gaz. vol. 186; p. 16.
- Jackson, Eliphalet W. (See Taylor and Jackson.)
- Jackson, Erskine H., Chicago, Ill. Hinge. No. 1,062,976; May 27; Gaz. vol. 190; p. 932.
- Jackson, George B., Chicago, Ill. Method of and apparatus for operating petroleum explosive-engines. No. 1,058,591; Apr. 8; Gaz. vol. 189; p. 454.
- Jackson, George E., Newton, Iowa. Baling-press. No. 1,053,397; Feb. 18; Gaz. vol. 187; p. 608.
- Jackson, George E., Newton, Iowa. Baling-press. No. 1,076,288; Oct. 21; Gaz. vol. 195; p. 638.
- Jackson, George E., Newark, Ill. Baling-press. No. 1,053,398; Feb. 18; Gaz. vol. 187; p. 608.
- Jackson, George H. (See Fournier and Jackson.)
- Jackson, George P., New York, N. Y. Playing-surface. No. 1,080,972; Dec. 9; Gaz. vol. 197; p. 398.
- Jackson, Harold, Garstang, England. Preparing paper-pulp. No. 1,083,102; Dec. 30; Gaz. vol. 197; p. 1218.
- Jackson, Harold, Garstang, England. Grinding, pulping, and pulverizing machine. No. 1,083,213; Dec. 30; Gaz. vol. 197; p. 1250.
- Jackson, Henry. (See Austin, Atwell, assignor.)
- Jackson, Henry. (See Jackson, John S., assignor.)
- Jackson, Isaac, Glossop, England. Belt-fastener. No. 1,073,493; Sept. 16; Gaz. vol. 194; p. 698.
- Jackson, Isaac, Glossop, England. Belt-fastener. No. 1,073,494; Sept. 16; Gaz. vol. 194; p. 698.
- Jackson, Jacob A., Coalinga, Cal. Combined awning and window-blind. No. 1,054,207; Feb. 25; Gaz. vol. 187; p. 921.
- Jackson, James B., Denver, Colo. Clamp controller-handle for motorneers. No. 1,064,696; June 10; Gaz. vol. 191; p. 557.
- Jackson, James R., *et al.* (See Barnes, Bartlett J., assignor.)
- Jackson, John, Leadville, Colo. Wrench. No. 1,067,739; July 15; Gaz. vol. 192; p. 698.
- Jackson, John, assignor to H. & B. American Machine Company, Pawtucket, R. I. Spinning-machine clearer. No. 1,065,687; June 24; Gaz. vol. 191; p. 960.
- Jackson, John, assignor to H. & B. American Machine Company, Pawtucket, R. I. Belt-shipper for speeder-cones. No. 1,075,037; Oct. 7; Gaz. vol. 195; p. 155.
- Jackson, John A., Chicago, Ill. Tank-car construction. No. 1,082,269; Dec. 23; Gaz. vol. 197; p. 899.
- Jackson, John S., assignor of one-half to H. Jackson, Clinton, Ill. Continuous-rail switch. No. 1,055,465; Mar. 11; Gaz. vol. 188; p. 310.
- Jackson, John W., Denver, Colo. Flash-light apparatus. No. 1,072,853; Sept. 9; Gaz. vol. 194; p. 435.
- Jackson, Lawrence B., Chicago, Ill. Valve-controlling appliance. No. 1,053,916; Feb. 18; Gaz. vol. 187; p. 784.
- Jackson, Leonard H. (See Adams and Jackson.)
- Jackson, Lillius, administratrix. (See Jackson, William W.)
- Jackson, Louis F., assignor, by mesne assignments, to The Colorado Builders Supply Company, Denver, Colo. Building-partition. No. 1,057,431; Apr. 1; Gaz. vol. 189; p. 13.
- Jackson, Louis I., assignor of one-half to E. A. Wetz, Muskogee, Okla. Bed-table. No. 1,051,597; Jan. 28; Gaz. vol. 186; p. 880.
- Jackson, Malcolm B., Victoria, British Columbia, Canada. Vertical file-folder. No. 1,076,582; Oct. 21; Gaz. vol. 195; p. 743.
- Jackson, P. T., Jr. (See Warner, George B., assignor.)
- Jackson, Percy L., *et al.* (See Bonner, Samuel, assignor.)
- Jackson, Ray P., Edgewood Park, Pa., assignor to Westinghouse Electric and Manufacturing Company. Protecting device for electric circuits. No. 1,049,366; Jan. 7; Gaz. vol. 186; p. 16.
- Jackson, Salo J., New York, N. Y., assignor to C. V. Wat-skey, Richmond, Va. Lady's apparel. No. 1,072,466; Sept. 9; Gaz. vol. 194; p. 300.
- Jackson, Simeon S., assignor to The Stafford Company, Readville, Mass. Loom. No. 1,052,417; Feb. 4; Gaz. vol. 187; p. 196.
- Jackson, Simeon S., Boston, assignor to The Stafford Com-pany, Readville, Mass. Weft-parter device for looms. No. 1,064,651; June 10; Gaz. vol. 191; p. 540.
- Jackson, Simeon S., Boston, assignor to The Stafford Company, Readville, Boston, Mass. Let-back for take-up mechanism of looms. No. 1,079,296; Nov. 18; Gaz. vol. 196; p. 769.
- Jackson, Simeon S., assignor to The Stafford Company, Readville, Mass. Loom. No. 1,079,914; Nov. 25; Gaz. vol. 196; p. 1017.
- Jackson, Simeon S., Readville, Boston, assignor to The Stafford Company, Readville, Mass. Loom for weaving bags, &c. No. 1,081,384; Dec. 16; Gaz. vol. 197; p. 572.
- Jackson, Thomas, New Cross, London, assignor to himself and A. Ramsay, Folkestone, England. Mechanism for producing gas-lighted flash-signs and the like for advertising purposes. No. 1,069,702; Aug. 12; Gaz. vol. 193; p. 240.
- Jackson, Thomas, London, assignor to himself, and A. Ramsay, Chesham, England. Mechanism for producing gas-lighted flash-signs. No. 1,073,420; Sept. 16; Gaz. vol. 194; p. 674.
- Jackson, Thomas, London, assignor to himself, and A. Ram-say, Chesham, England. Gas-flash-light advertising de-vice. No. 1,077,985; Nov. 11; Gaz. vol. 196; p. 287.
- Jackson, Thomas H., Scranton, Pa. Game apparatus. No. 1,053,817; Feb. 18; Gaz. vol. 187; p. 751.
- Jackson, Vincent M., Laurel Hill, La. Seed-gathering at-tachment for mowers. No. 1,071,554; Aug. 26; Gaz. vol. 193; p. 941.
- Jackson, Walter, and H. N. Pochin, Leicester, England, assignors to United Shoe Machinery Company, Paterson, N. J. Burnishing-machine. No. 1,077,349; Nov. 4; Gaz. vol. 196; p. 38.
- Jackson, Walter A., and E. L. Sherbondy, assignors of one-third to G. W. Eno, Los Angeles, Cal. Adjustable shoe for auto-tires. No. 1,075,917; Oct. 14; Gaz. vol. 195; p. 484.
- Jackson, William, Plainview, Tex. Milo-maize and Kafir-corn header. No. 1,058,368; Apr. 8; Gaz. vol. 189; p. 380.
- Jackson, William, New York, assignor to The Robert Graves Co., Brooklyn, N. Y. Crown-printing device. No. 1,051,737; Jan. 28; Gaz. vol. 186; p. 925.
- Jackson, William L. (See Metcalf, Jefferson D., assignor.)
- Jackson, William P., Oakland, Cal. Motor control. No. 1,077,717; Nov. 4; Gaz. vol. 196; p. 162.
- Jackson, William W., Sperry, Iowa. Saw-set. No. 1,054,555; Feb. 25; Gaz. vol. 187; p. 1038.
- Jackson, William W., deceased; L. Jackson, administratrix, assignor of one-third to C. J. Maddux, Denver, Colo. Re-volving-knife harrow and pulverizer. No. 1,082,749; Dec. 30; Gaz. vol. 197; p. 1099.
- Jackulvic, Anthony, and C. E. Hart, Trenton, N. J. Rail-way-crossing. No. 1,065,251; June 17; Gaz. vol. 191; p. 774.
- Jacob, Alfred P., New York, N. Y. Pencil. No. 1,068,057; July 22; Gaz. vol. 192; p. 838.
- Jacob, Ernst. (See Clutsmann, Frederick, assignor.)
- Jacob, Francis, Westcombe Park, England, assignor to Siemens & Halske A-G, Berlin, Germany. Submarine cable. No. 1,077,140; Oct. 28; Gaz. vol. 195; p. 988.
- Jacob, Heinrich, Steglitz, near Berlin, assignor to Firm of Optische Anstalt C. P. Goerz Aktiengesellschaft, Frie-denau, near Berlin, Germany. Distance-measuring in-strument. No. 1,066,906; July 8; Gaz. vol. 192; p. 378.
- Jacob, Moe, New York, N. Y. Legging. No. 1,065,049; June 17; Gaz. vol. 191; p. 706.
- Jacobs, Abraham L., assignor of one-half to W. G. Davis, Chicago, Ill. Car-bolster. No. 1,053,818; Feb. 18; Gaz. vol. 187; p. 751.
- Jacobs, Abraham L., assignor of one-half to W. G. Davis, Chicago, Ill. Center pin and bearings therefor. No. 1,053,819; Feb. 18; Gaz. vol. 187; p. 752.
- Jacobs, Charles B., Portchester, N. Y. Compound for making peroxid of hydrogen. No. 1,076,039; Oct. 21; Gaz. vol. 195; p. 554.
- Jacobs, Charles C., Amboy, assignor to F. C. Austin, Chi-cago, Ill. Track-moving device. No. 1,064,333; June 10; Gaz. vol. 191; p. 432.
- Jacobs, Charles F., assignor to L. D. Nelson, Chicago, Ill. Insertible index-leaf. No. 1,056,997; Mar. 25; Gaz. vol. 188; p. 895.
- Jacobs, Charles L. (See Repper and Jacobs.)
- Jacobs, Dewirt N., Elkton, S. D. Broom. No. 1,056,685; Mar. 18; Gaz. vol. 188; p. 756.
- Jacobs, Ernest C., Rockland, Mass. Boot or shoe. No. 1,049,721; Jan. 7; Gaz. vol. 186; p. 138.

Alphabetical list of patentees—Continued.

- Jacobs, Ernest C., Rockland, assignor to United Shoe Machinery Company, Boston, Mass. Making boot and shoe pull-on devices. No. 1,081,835; Dec. 16; Gaz. vol. 197; p. 723.
- Jacobs, Ernest H., Schenectady, N. Y., assignor to General Electric Company. Oil-switch. No. 1,068,588; July 29; Gaz. vol. 192; p. 1059.
- Jacobs, Francis A., Montreal, Quebec, Canada. Oil-burner. No. 1,063,352; June 3; Gaz. vol. 191; p. 62.
- Jacobs, Frank F. and M. S., Indianapolis, Ind. Horseshoe ice-creeper. No. 1,081,449; Dec. 16; Gaz. vol. 197; p. 594.
- Jacobs, George, assignor to S. S. Kurtz, Canton, Ohio. Transmission mechanism. No. 1,076,829; Oct. 28; Gaz. vol. 195; p. 883.
- Jacobs, George A., assignor to The Sherwin-Williams Company, Cleveland, Ohio. Insulating compound. No. 1,066,499; July 8; Gaz. vol. 192; p. 237.
- Jacobs, Henry E. (See Dashner and Jacobs.)
- Jacobs, Henry W. (See Leighty, William J., assignor.)
- Jacobs, Henry W., Topeka, Kans. Valve. No. 1,057,554; Apr. 1; Gaz. vol. 189; p. 53.
- Jacobs, Henry W., Topeka, Kans., assignor, by mesne assignments, to Jacobs-Shupert United States Fire Box Company, Coatesville, Pa. Forming fire-boxes. No. 1,054,420; Feb. 25; Gaz. vol. 187; p. 994.
- Jacobs, Henry W., and H. H. Lanning, Topeka, Kans. Acetylene-generating apparatus. No. 1,050,139; Jan. 14; Gaz. vol. 186; p. 311.
- Jacobs, Henry W., and H. H. Lanning, Topeka, Kans. Apparatus for purifying gases. No. 1,051,956; Feb. 4; Gaz. vol. 187; p. 38.
- Jacobs, Henry W., and H. H. Lanning, Topeka, Kans. Apparatus for purifying gas. No. 1,051,957; Feb. 4; Gaz. vol. 187; p. 38.
- Jacobs, Henry W., and H. H. Lanning, Topeka, Kans. Gas-generator. No. 1,062,712; May 27; Gaz. vol. 190; p. 845.
- Jacobs, James H., Middleport, N. Y. Corn-binder. No. 1,063,201; June 3; Gaz. vol. 191; p. 12.
- Jacobs, Leeacus H., Ivan, Ark. Trace-fastener. No. 1,053,820; Feb. 18; Gaz. vol. 187; p. 752.
- Jacobs, Lesser. (See Baker and Jacobs.)
- Jacobs, Maurice I., Brooklyn, N. Y. Putty-dispensing device. No. 1,078,440; Nov. 11; Gaz. vol. 196; p. 446.
- Jacobs, Minnie S. (See Jacobs, Frank F. and M. S.)
- Jacobs, Morris, Sacramento, Cal. Shaving-brush. No. 1,074,324; Sept. 30; Gaz. vol. 194; p. 1031.
- Jacobs, Morris, New York, N. Y. Self-locking nut. No. 1,076,674; Oct. 28; Gaz. vol. 195; p. 829.
- Jacobs-Shupert United States Fire Box Company. (See Jacobs, Henry W., assignor.)
- Jacobs, Thomas, South Rockwood, Mich. Portable scale-tester. No. 1,070,477; Aug. 19; Gaz. vol. 193; p. 549.
- Jacobs, William F., assignor to J. E. Porter Company, Ottawa, Ill. Sliding-door hanger. No. 1,053,399; Feb. 18; Gaz. vol. 187; p. 608.
- Jacobs, William F., assignor to J. E. Porter Company, Ottawa, Ill. Cattle-stanchion. No. 1,080,065; Dec. 2; Gaz. vol. 197; p. 51.
- Jacobs, William M., and S. L. Payne, Vale, Oreg. Cutting mechanism for harvesting-machines. No. 1,053,289; Feb. 18; Gaz. vol. 187; p. 571.
- Jacobs, Willis K., St. Paul, Minn. Jaw-slide. No. 1,064,145; June 10; Gaz. vol. 191; p. 369.
- Jacobsen, Andrew, Fruitvale, Cal. Electric bell. No. 1,079,649; Nov. 25; Gaz. vol. 196; p. 922.
- Jacobsen, Herbert, Brownsville, Tex. Hair-pin. No. 1,068,244; July 22; Gaz. vol. 192; p. 903.
- Jacobsen, Jacob F. (See Milligan and Jacobsen.)
- Jacobsen, Johannes, Friedenau, near Berlin, Germany. Hydraulic press for continuously-fed pasty or loose material. No. 1,073,856; Sept. 23; Gaz. vol. 194; p. 845.
- Jacobsen, Olaf B., Birmingham, England. Centrifugal fan, pump, or the like. No. 1,058,592; Apr. 8; Gaz. vol. 189; p. 455.
- Jacobson, Anders J., assignor of one-half to J. Ekstrand, Osceola, Wis. Substitute for cranks. No. 1,054,350; Feb. 25; Gaz. vol. 187; p. 969.
- Jacobson, Andrew E., Kamrar, Iowa. Chair. No. 1,062,010; May 20; Gaz. vol. 190; p. 569.
- Jacobson, Charl. (See Lease, Charles E., assignor.)
- Jacobson, Frank B., Humboldt, Iowa. Concrete mold and core. No. 1,060,188; Apr. 29; Gaz. vol. 189; p. 1114.
- Jacobson, Herman S. (See Woods, George E., assignor.)
- Jacobson, Jacob, New York, N. Y. Holder for votive candle-stands. No. 1,054,296; Feb. 25; Gaz. vol. 187; p. 949.
- Jacobson, John S., Chicago, Ill. Skin-shaving machine. No. 1,058,979; Apr. 15; Gaz. vol. 189; p. 628.
- Jacobson, Louis, Los Angeles, Cal. Gas-furnace. No. 1,063,264; June 3; Gaz. vol. 191; p. 32.
- Jacobson, Michael, New York, N. Y. Car-fender. No. 1,059,734; Apr. 22; Gaz. vol. 189; p. 920.
- Jacobson, Olaf G. (See Oliver and Jacobson.)
- Jacobson, Ole, assignor of one-half to W. W. Arnold, Hamilton, Ohio. Egg boiler and timer. No. 1,061,942; May 13; Gaz. vol. 190; p. 505.
- Jacobson, Oscar F., Garfield township, Clay county, Kans. Metal shingle. No. 1,076,123; Oct. 21; Gaz. vol. 195; p. 583.
- Jacobson, Peter G., Chicago, Ill. Strainer. No. 1,073,081; Sept. 9; Gaz. vol. 194; p. 518.
- Jacobus, David S., Jersey City, assignor to The Babcock & Wilcox Company, Bayonne, N. J. Water-tube boiler. No. 1,051,890; Feb. 4; Gaz. vol. 187; p. 14.
- Jacobus, David S., Jersey City, assignor to The Babcock & Wilcox Company, Bayonne, N. J. Water-tube boiler. No. 1,051,891; Feb. 4; Gaz. vol. 187; p. 15.
- Jacobus, David S., Jersey City, assignor to The Babcock & Wilcox Company, Bayonne, N. J. Steam-boiler plant. No. 1,068,053; July 22; Gaz. vol. 192; p. 838.
- Jacobus, David S., Jersey City, assignor to The Babcock & Wilcox Company, Bayonne, N. J. Baffle system for Stirling boilers. No. 1,070,478; Aug. 19; Gaz. vol. 193; p. 549.
- Jacobus, Herbert H., Cedargrove, N. J. Machine for cutting labels. No. 1,054,778; Mar. 4; Gaz. vol. 188; p. 43.
- Jacobus, James W., Great Neck, N. Y. Filler for ink-wells, &c. No. 1,061,748; May 13; Gaz. vol. 190; p. 443.
- Jacobus, James W., Great Neck, N. Y. Ink-well. No. 1,069,786; Aug. 12; Gaz. vol. 193; p. 270.
- Jacobus, James W., Great Neck, assignor to The Jacobus Pneumatic Inkwell Company, New York, N. Y. Ink-stand. No. 1,082,157; Dec. 23; Gaz. vol. 197; p. 858.
- Jacobus, Nelson L., West Orange, N. J., assignor to Electro-Chemical Engraving Co. Calendar-stand. No. 1,052,000; Feb. 4; Gaz. vol. 187; p. 53.
- Jacobus, Nelson L., West Orange, N. J., assignor to Electro-Chemical Engraving Co. Calendar-stand. No. 1,065,613; June 24; Gaz. vol. 191; p. 934.
- Jacobus Pneumatic Inkwell Company, The. (See Jacobus, James W., assignor.)
- Jacoby, Benjamin. (See King and Jacoby.)
- Jacoby, Ernst. (See Hartmann and Jacoby.)
- Jacoby, Ernst, assignor to Diamalt Aktiengesellschaft, Munich, Bavaria, Germany. Baking-powder. No. 1,058,980; Apr. 15; Gaz. vol. 189; p. 629.
- Jacoby, Ernst, assignor to Diamalt Aktien-Gesellschaft, Munich, Germany. Treating yeast. No. 1,078,288; Nov. 11; Gaz. vol. 196; p. 392.
- Jacoby, Gustave, Baltimore, Md. Combination coatshirt and drawers. No. 1,065,252; June 17; Gaz. vol. 191; p. 774.
- Jacoby, Henry C. E., London, England. Appliance for sharpening scissors, shears, and the like. No. 1,051,333; Jan. 21; Gaz. vol. 186; p. 756.
- Jacoby, Hermann, Eberstadt, near Darmstadt, Germany. Tire-deflation indicator. No. 1,062,567; May 20; Gaz. vol. 190; p. 755.
- Jacomy, Pierre, Asnières, France. Metallic propeller. No. 1,082,750; Dec. 30; Gaz. vol. 197; p. 1099.
- Jacoway, Benjamin J., Memphis, Tenn. Shade-supporting device. No. 1,050,659; Jan. 14; Gaz. vol. 186; p. 490.
- Jacquemin, Eugene, Kent, Wash. Pan and lid lifter. No. 1,066,114; July 1; Gaz. vol. 192; p. 74.
- Jacques, Damase, Detroit, Mich. Winch. No. 1,059,998; Apr. 29; Gaz. vol. 189; p. 1050.
- Jacques, Damase, Detroit, Mich. Releasing device. No. 1,079,297; Nov. 18; Gaz. vol. 196; p. 770.
- Jacquin, Bertha M., Camillus, N. Y. Shade-roller and curtain-pole fixture. No. 1,056,180; Mar. 18; Gaz. vol. 188; p. 584.
- Jaeger, Carl H., Leipzig-Plagwitz, Germany. Tubular heat-exchange apparatus. No. 1,061,295; May 13; Gaz. vol. 190; p. 286.
- Jaeger, Carl H., Leipzig, Germany. Process of and apparatus for rarefying and compressing air and gases by means of liquid accelerated by a rotor-wheel. No. 1,063,034; May 27; Gaz. vol. 190; p. 951.
- Jaeger, Edmond, Paris, France. Shutter for watches, medallions, pendants, and the like. No. 1,063,449; June 3; Gaz. vol. 191; p. 94.
- Jaeger, Heinrich W. F., Cleveland, Ohio. Adjustable grain-door. No. 1,057,965; Apr. 1; Gaz. vol. 189; p. 195.
- Jaeger, Max, assignor to Jaeger Rotary Valve Motor Co., Mount Vernon, N. Y. Rotary valve. No. 1,072,949; Sept. 9; Gaz. vol. 194; p. 471.
- Jaeger Rotary Valve Motor Co. (See Jaeger, Max, assignor.)
- Jaehnke, E. F. (See Raithel, George, assignor.)
- Jaenecke, Karl F. W., North Tonawanda, N. Y. Dust-removing machine. No. 1,050,027; Jan. 7; Gaz. vol. 186; p. 240.
- Jagenberg, Emil, Dusseldorf, Germany. Paper-strip folding and pressing device for box-machines. No. 1,058,061; Apr. 8; Gaz. vol. 189; p. 271.
- Jagenberg, Emil, Dusseldorf, Germany. Paper bag. No. 1,078,682; Nov. 18; Gaz. vol. 196; p. 559.
- Jäger, August. (See Martignoni and Jäger.)
- Jager, Frank, Chicago, Ill. Railway metal tie and rail-fastening. No. 1,075,425; Oct. 14; Gaz. vol. 195; p. 316.

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- Jagielski, Henry, and J. J. Holohan, Gibson, Ind. Frost-cock for locomotive-boilers. No. 1,080,973; Dec. 9; Gaz. vol. 197; p. 398.
- Jago, William. (See Chitty and Jago.)
- Jahn, Albert, Berlin, Germany. Writing-pen. No. 1,056,754; Mar. 18; Gaz. vol. 188; p. 782.
- Jahn, Frederick G., assignor to The International Postal Supply Company of New York, New York, N. Y. Printing mechanism. No. 1,065,945; July 1; Gaz. vol. 192; p. 14.
- Jahn, Nicolaus. (See Shmit and Jahn.)
- Jahn, Otto, Essen/West, assignor to Fried. Krupp Aktiengesellschaft, Essen-on-the-Ruhr, Germany. Vehicle-shaft. No. 1,079,858; Nov. 25; Gaz. vol. 196; p. 997.
- Jahnz, Erwin, Zurich, Switzerland. Calculating-machine. No. 1,081,310; Dec. 16; Gaz. vol. 197; p. 546.
- Jahoda, Rudolf, Vienna, Austria-Hungary. Incandescent electric lamp. No. 1,063,035; May 27; Gaz. vol. 190; p. 952.
- Jaimeson, Walter T., *et al.* (See Sweet, Edward J., assignor.)
- Jainett, Fredrick S., Presidio, Cal. Railway-rail joint and brace. No. 1,061,958; May 13; Gaz. vol. 190; p. 510.
- James B. Clow & Sons. (See Pleins, Leo H., assignor.)
- James B. Clow & Sons. (See Rice, Frank L., assignor.)
- James, Charles. (See Roberts, Young, and James.)
- James, D. Reed. (See Stephen and James.)
- James, Edward, New York, N. Y. Holder for safety-razor blades. No. 1,064,652; June 10; Gaz. vol. 191; p. 541.
- James, Edward B., Cordele, Ga. Plow. No. 1,079,557; Nov. 25; Gaz. vol. 196; p. 891.
- James, Harney H., Los Angeles, Cal. Combination satchel, cart, and camp-stool. No. 1,081,670; Dec. 16; Gaz. vol. 197; p. 664.
- James, Harry, Rush Springs, Okla. Calf-weaner. No. 1,051,235; Jan. 21; Gaz. vol. 186; p. 723.
- James, Henry D., Pittsburgh, assignor, by mesne assignments, to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. System of electric-motor control. No. 1,049,367; Jan. 7; Gaz. vol. 186; p. 17.
- James, Henry D., Pittsburgh, Pa., assignor to Westinghouse Electric and Manufacturing Company. System of control. No. 1,078,622; Nov. 18; Gaz. vol. 196; p. 538.
- James, John, Waterloo, Iowa, assignor to W. D. James, Fort Atkinson, Wis. Movable partitions for mangers. No. 1,066,620; July 8; Gaz. vol. 192; p. 280.
- James, John G. and W. D., Newport, Ky. Sash-fastener. No. 1,059,999; Apr. 29; Gaz. vol. 189; p. 1051.
- James, Joseph H., Pittsburgh, Pa., assignor to Searchlight Gas Company, Chicago, Ill. Acetylene-storage tank. No. 1,055,915; Mar. 11; Gaz. vol. 188; p. 459.
- James, May W., Everett, Wash. Maternity-corset. No. 1,065,368; June 24; Gaz. vol. 191; p. 852.
- James, Owen, Fall River, Mass. Syringe. No. 1,072,467; Sept. 9; Gaz. vol. 194; p. 301.
- James R. Kendrick Co. (See Kendrick, Arthur B., assignor.)
- James, Roswell G., Louisville, Ky., assignor to United States Cast Iron Pipe and Foundry Company, Burlington, N. J. Pattern for ramming pipe-molds. No. 1,072,235; Sept. 2; Gaz. vol. 194; p. 191.
- James W. Colgan Co. (See Colgan, James W., assignor.)
- James, Willard C., Los Angeles, Cal. Housekeeping structure. No. 1,077,198; Oct. 28; Gaz. vol. 195; p. 1007.
- James, Willard C., Los Angeles, Cal. Combined couch and bath-tub. No. 1,077,199; Oct. 28; Gaz. vol. 195; p. 1007.
- James, William, Columbus, Ohio. Account-register. No. 1,063,689; June 3; Gaz. vol. 191; p. 181.
- James, William D. (See James, John, assignor.)
- James, William D. (See James, John G. and W. D.)
- James, William D., Fort Atkinson, Wis. Carrier. No. 1,055,399; Mar. 11; Gaz. vol. 188; p. 287.
- James, William D., Fort Atkinson, Wis. Chain attachment for adjustable stanchions. No. 1,071,236; Aug. 26; Gaz. vol. 193; p. 836.
- James, William D., Fort Atkinson, Wis. Stanchion. No. 1,081,045; Dec. 9; Gaz. vol. 197; p. 420.
- James, William T., Chicago, Ill. Material-handling apparatus. No. 1,050,945; Jan. 21; Gaz. vol. 186; p. 625.
- James, William T., Chicago, Ill. Speed-changing gearing. No. 1,064,736; June 17; Gaz. vol. 191; p. 606.
- Jameson, Alexander, assignor of one-half to W. C. Hauelsen, Indianapolis, Ind. Tracker-board modifier. No. 1,070,897; Aug. 19; Gaz. vol. 193; p. 688.
- Jameson, Charles V., Chicago, Ill. Valve for player-pianos. No. 1,081,533; Dec. 16; Gaz. vol. 197; p. 623.
- Jameson, James. (See Malone, Andrew J., assignor.)
- Jameson, Kelly, Spanish Fork, Utah. Ship-protector. No. 1,070,260; Aug. 12; Gaz. vol. 193; p. 432.
- Jamieson, Bertrand G., and C. A. Keller, Chicago, Ill. Insulator. No. 1,056,998; Mar. 25; Gaz. vol. 188; p. 895.
- Jamieson, Bertrand G., and C. A. Keller, Chicago, Ill. Connector. No. 1,060,600; May 6; Gaz. vol. 190; p. 12.
- Jamison, Charles A., *et al.*, administrators. (See Arbuckle, John.)
- Jamison, Charles R., assignor to The Berger Manufacturing Company, Canton, Ohio. Metal shelving construction. No. 1,064,737; June 17; Gaz. vol. 191; p. 607.
- Jampolis, Henry, *et al.* (See Crane, Frank R., Jr., assignor.)
- Janeck, Emil O., Madison, Wis. Ventilator. No. 1,080,453; Dec. 2; Gaz. vol. 197; p. 188.
- Janeke, Geza, New York, N. Y. Burglar-alarm. No. 1,066,907; July 8; Gaz. vol. 192; p. 378.
- Janicki, John, Chicago, Ill. Hydrocarbon power-generator. No. 1,052,588; Feb. 11; Gaz. vol. 187; p. 286.
- Janik, Edouard, assignor to Société Générale Française des Caisses Payeuses et de Contrôle Systeme Janik, Paris, France. Registering device of cash-registers. No. 1,059,162; Apr. 15; Gaz. vol. 189; p. 690.
- Janik, Edouard, assignor to Société Générale Française des Caisses Payeuses et de Contrôle Systeme Janik, Paris, France. Apparatus for charging the coin-containers of paying-machines. No. 1,068,661; July 29; Gaz. vol. 192; p. 1085.
- Jannell, Leslie D., assignor to Clark Foundry Company, Rumford, Me. Punching and shearing machine. No. 1,068,344; July 22; Gaz. vol. 192; p. 938.
- Janney, Reynold. (See Williams and Janney.)
- Janney, Reynold, New York, N. Y. Power-operated controlling mechanism for fluid-actuated machines. No. 1,068,589; July 29; Gaz. vol. 192; p. 1059.
- Janney, Reynold, New York, N. Y., assignor to The Waterbury Tool Company, New Britain, Conn. Gearing. No. 1,071,619; Aug. 26; Gaz. vol. 193; p. 963.
- Janney, Robert E. L., assignor to American Steel Foundries, Chicago, Ill. Car-coupling and pivot-pin therefor. No. 1,075,426; Oct. 14; Gaz. vol. 195; p. 316.
- Jannus, Antony, and T. W. Benoist, St. Louis, Mo. Parachute carrying and disengaging means carried by an aeroplane and attached thereto. No. 1,053,182; Feb. 18; Gaz. vol. 187; p. 533.
- Janowszky, Laszlo, Toronto, Ontario, Canada. Acetylene-gas generator. No. 1,058,180; Apr. 8; Gaz. vol. 189; p. 315.
- Jansen, Elias N., assignor to The Jansen-Peterson Company, Cleveland, Ohio. Abrading-machine. No. 1,049,368; Jan. 7; Gaz. vol. 186; p. 17.
- Jansen, Georg, Dusseldorf, Germany. Manufacture of a product from which red lead can be burnt. No. 1,052,924; Feb. 11; Gaz. vol. 187; p. 402.
- Jansen, Johannes. (See Blank, Heidenreich, and Jansen.)
- Jansen-Peterson Company, The. (See Jansen, Elias N., assignor.)
- Janson, Emil, Terre Haute, Ind. Lawn-mower attachment. No. 1,065,946; July 1; Gaz. vol. 192; p. 15.
- Janssen, Henry, and M. Zwicky, Wyomissing borough, assignors to Textile Machine Works, Wyomissing, Pa. Yarn-feed traverse mechanism for knitting-machines. No. 1,079,915; Nov. 25; Gaz. vol. 196; p. 1017.
- Jansson, Bennett G., Malden, assignor to The Blake Signal and Manufacturing Co., Boston, Mass. Wiring-tack. No. 1,055,046; Mar. 4; Gaz. vol. 188; p. 134.
- Jansson, Karl E. O., assignor to J. S. Hoyt, New York, N. Y. Automatic stop-valve for hydraulic elevators. No. 1,060,601; May 6; Gaz. vol. 190; p. 13.
- Jantsch, Richard, assignor to The American Tool Works Company, Cincinnati, Ohio. Lathe attachment. No. 1,079,494; Nov. 25; Gaz. vol. 196; p. 869.
- Jaques, Fernando O., Jr., Cranston, assignor to The Central Tool Company, Providence, R. I. Dental swaging-block. No. 1,059,300; Apr. 15; Gaz. vol. 189; p. 738.
- Jardine, Thomas, Paterson, N. J. Hydraulic dredge. No. 1,052,148; Feb. 4; Gaz. vol. 187; p. 105.
- Jarecki Manufacturing Company. (See Hirsch, Frank, assignor.)
- Jarecki Manufacturing Company. (See Hirsch and Bemer, assignors.)
- Jarman, George R., assignor of one-fourth to W. A. Matthews, one-fourth to T. R. Matthews, and one-fourth to L. A. Matthews, Baltimore, Md. Heat-interchanger. No. 1,052,345; Feb. 4; Gaz. vol. 187; p. 171.
- Jaros, Ernest S., assignor to The United Demonstrating Machine Company, Columbus, Ohio. Advertising device. No. 1,052,825; Feb. 11; Gaz. vol. 187; p. 368.
- Jarratt, Samuel E., Springfield, Mo. Collapsible straining-funnel. No. 1,050,028; Jan. 7; Gaz. vol. 186; p. 240.
- Jarrell, James F., Billings, Mont. Calculator. No. 1,068,390; July 22; Gaz. vol. 192; p. 953.
- Jarvis, Henry J. (See Sigler and Jarvis.)
- Jarvis, Ruben P., Smith Center, assignor of two-thirds to A. F. Lutz and one-third to The Many Colored Electric Company, Beloit, Kans. Illuminated sign. No. 1,064,911; June 17; Gaz. vol. 191; p. 662.
- Jary, Rudolph, Chicago, Ill. Aeroplane. No. 1,071,425; Aug. 26; Gaz. vol. 193; p. 899.
- Jas. H. Matthews & Co. (See Chapin, Jay, assignor.)
- Jas. H. Matthews & Co. (See Matthews, James H., assignor.)
- Jas. H. Matthews & Co. (See Matthews and Stein, assignors.)
- Jasiecki, Kazimier, Philadelphia, Pa. Wheel. No. 1,068,590; July 29; Gaz. vol. 192; p. 1060.

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- Jasiecki, Kazimier, and K. Glowacki, assignors of one-third to H. F. Voss and H. Meler, Philadelphia, Pa. Rail-joint. No. 1,053,290; Feb. 18; Gaz. vol. 187; p. 571.
- Jasper, Max, Berlin, Germany. Safety-closure for containers of inflammable liquids. No. 1,076,830; Oct. 28; Gaz. vol. 195; p. 884.
- Jassey, Charles S., Edgewater, N. J. Means for interpreting player-piano music. No. 1,067,254; July 15; Gaz. vol. 192; p. 532.
- Jaufroid, Joseph E., assignor of one-third to E. L. Kempf, Chicago, Ill. Billiard-table. No. 1,058,062; Apr. 8; Gaz. vol. 189; p. 272.
- Jaugey, Paul P. L., Paris, France. Carbureter. No. 1,078,582; Nov. 11; Gaz. vol. 196; p. 492.
- Javins, Harry A., Oakland, assignor to Javins Manufacturing Company, San Francisco, Cal. Combined can container and perforator. No. 1,060,258; Apr. 29; Gaz. vol. 189; p. 1139.
- Javins Manufacturing Company. (See Javins, Harry A., assignor.)
- Jay, Edward G., Jr., assignor to Harrison Safety Boiler Works, Philadelphia, Pa. Water heating and measuring apparatus. No. 1,077,350; Nov. 4; Gaz. vol. 196; p. 38.
- Jay, Webb, Chicago, Ill. Explosive-engine. No. 1,052,826; Feb. 11; Gaz. vol. 187; p. 368.
- Jay, Webb, Chicago, Ill. Pruning attachment for explosive-engines. No. 1,081,534; Dec. 16; Gaz. vol. 197; p. 623.
- Jaycox, William B. (See Fisher, Charles E., assignor.)
- Jaynes, Frank, Des Moines, Iowa. Thermostatic alarm. No. 1,066,731; July 8; Gaz. vol. 192; p. 320.
- Jean, Charles W., New York, N. Y. Press for copying-cloths and the like. No. 1,057,839; Apr. 1; Gaz. vol. 189; p. 152.
- Jean, Charles W., New York, N. Y. Press for copying-cloths and the like. No. 1,058,001; Apr. 1; Gaz. vol. 189; p. 207.
- Jeanmaire, Paul, Kollnau, Germany. Means for removing yarn residues from bobbins, spools, and the like. No. 1,072,468; Sept. 9; Gaz. vol. 194; p. 301.
- Jeavons, William R., Cleveland, Ohio. Heater. No. 1,061,079; May 6; Gaz. vol. 190; p. 179.
- Jeavons, William R., Cleveland, Ohio. Hydrocarbon-igniter. No. 1,071,749; Sept. 2; Gaz. vol. 194; p. 27.
- Jeavons, William R., and A. R. Whittaker, Cleveland, Ohio. Grate. No. 1,079,767; Nov. 25; Gaz. vol. 196; p. 966.
- Jebsen, Gustav, and C. Flinckenhagen, Christiania, Norway. Separating solid substances from solutions by evaporation. No. 1,074,264; Sept. 30; Gaz. vol. 194; p. 1011.
- Jedel, Aaron, New York, N. Y. Pyrotechnical toy. No. 1,067,520; July 15; Gaz. vol. 192; p. 623.
- Jeffcott, Lewis B., New York, N. Y. Convertible davenport and bed. No. 1,072,950; Sept. 9; Gaz. vol. 194; p. 472.
- Jefferies, Fredrick L., Summit, Ill., assignor to Corn Products Refining Company. Apparatus for filling starch-drying wagons. No. 1,071,237; Aug. 26; Gaz. vol. 193; p. 836.
- Jefferies, Fredrick L., Granite City, Ill., and W. Spain, St. Louis, Mo., assignors to Corn Products Refining Company. Can-filling apparatus. No. 1,079,495; Nov. 25; Gaz. vol. 196; p. 869.
- Jefferies, Fredrick L., Granite City, Ill., and W. Spain, St. Louis, Mo., assignors to Corn Products Refining Company. Filling apparatus. No. 1,079,496; Nov. 25; Gaz. vol. 196; p. 870.
- Jefferies, Roy C. (See Johnston, Jefferies, and Ryan.)
- Jefferis, Richard W., Camden, N. J. Attaching device for locker-door hinges. No. 1,070,479; Aug. 19; Gaz. vol. 193; p. 550.
- Jeffers, Jesse, assignor to Whittin Machine Works, Whitinsville, Mass. Thread-guide. No. 1,082,874; Dec. 30; Gaz. vol. 197; p. 1141.
- Jefferson, Eugene D., Boston, Mass. Apparatus for bleaching paper-pulp. No. 1,077,883; Nov. 4; Gaz. vol. 196; p. 220.
- Jefferson, Frank. (See Messick and Jefferson.)
- Jefferson, Walter B., Philadelphia, Pa. Player-piano attachment. No. 1,070,480; Aug. 19; Gaz. vol. 193; p. 550.
- Jefferson, William T., Chicago, Ill. Embroidery-pattern. No. 1,067,923; July 22; Gaz. vol. 192; p. 792.
- Jeffery, Charles T., *et al.*, executors. (See Jeffery, Thomas B.)
- Jeffery, Harold L., Fort Thomas, assignor to The Wadsworth Watch Case Company, Dayton, Ky. Producing watchcase-bows. No. 1,061,080; May 6; Gaz. vol. 190; p. 179.
- Jeffery, Harold L., Fort Thomas, assignor to The Wadsworth Watch Case Company, Dayton, Ky. Self-riveting non-detachable bow. No. 1,062,652; May 27; Gaz. vol. 190; p. 827.
- Jeffery, Harold W., *et al.*, executors. (See Jeffery, Thomas B.)
- Jeffery, Kate E., *et al.*, executors. (See Jeffery, Thomas B.)
- Jeffery, Thomas B., deceased, Kenosha, Wis.; K. E., C. T., and H. W. Jeffery, executors. Vehicle-wheel. No. 1,056,278; Mar. 18; Gaz. vol. 188; p. 617.
- Jeffery, Thomas B., deceased, Kenosha, Wis.; K. E., C. T., and H. W. Jeffery, executors. Wheel. No. 1,056,279; Mar. 18; Gaz. vol. 188; p. 617.
- Jeffery, Thomas B., deceased, Kenosha, Wis.; K. E., C. T., and H. W. Jeffery, executors. Wheel. No. 1,067,430; July 15; Gaz. vol. 192; p. 593.
- Jeffords, Sidney A., Habana, Cuba. Railway-tie. No. 1,058,436; Apr. 8; Gaz. vol. 189; p. 404.
- Jeffrey, Joseph A. (See Horst, George C., assignor.)
- Jeffrey Manufacturing Company, The. (See Christensen Leonard, assignor.)
- Jeffrey Manufacturing Company, The. (See Dierdorff, Henry B., assignor.)
- Jeffrey Manufacturing Company, The. (See Dierdorff, Joseph, assignor.)
- Jeffrey Manufacturing Company, The. (See Dunlop, Robert R., assignor.)
- Jeffrey Manufacturing Company, The. (See Fisher, Dudley T., assignor.)
- Jeffrey Manufacturing Company, The. (See Joor, Samuel F., assignor.)
- Jeffrey Manufacturing Company, The. (See Levin, Nils D., assignor.)
- Jeffrey Manufacturing Company, The. (See Merrill, Edwin R., assignor.)
- Jeffrey Manufacturing Company, The. (See Palmros, Alexander, assignor.)
- Jeffrey Manufacturing Company, The. (See Riddle, Howard S., assignor.)
- Jeffrey Manufacturing Company, The. (See Sessions, Frank L., assignor.)
- Jeffrey Manufacturing Company, The. (See Youmans, William R., assignor.)
- Jeffrey Mfg. Co., The. (See Mueller, George H., assignor.)
- Jeffrey, Robert H., Gabriel, Mexico. Ore float-separator. No. 1,052,061; Feb. 4; Gaz. vol. 187; p. 75.
- Jellenik, Stepan. (See Heim and Jellenik.)
- Jenckes, Joseph M., Oil City, Pa. Valve-gear for gas-engines. No. 1,063,162; May 27; Gaz. vol. 190; p. 994.
- Jencsa, Elizabeth E., San Francisco, Cal. Nursing-nipple. No. 1,082,198; Dec. 23; Gaz. vol. 197; p. 873.
- Jendrusik, Aleksander, assignor of one-half to S. Czojkowski, Dabrowa-Gornicza, Russia. Rotary blower. No. 1,059,163; Apr. 15; Gaz. vol. 189; p. 691.
- Jenewein, Charles T., Blackhawk, and C. W. Dobelin, Madison, Wis. Box-cover fastening. No. 1,064,653; June 10; Gaz. vol. 191; p. 541.
- Jenkins, Albert G. (See Jenkins, Jesse C. and A. G.)
- Jenkins, Alexander F., assignor to The Alexander Milburn Company, Baltimore, Md. Acetylene-generator. No. 1,081,503; Dec. 16; Gaz. vol. 197; p. 612.
- Jenkins, Charles, and C. H. Kneppka, Shamokin, Pa. Waste-shield. No. 1,071,319; Aug. 26; Gaz. vol. 193; p. 864.
- Jenkins, Charles B., *et al.* (See Bond, Frank F., assignor.)
- Jenkins, Charles F., Washington, D. C. Vehicle-tire. No. 1,062,011; May 20; Gaz. vol. 190; p. 570.
- Jenkins, Charles F., Washington, D. C. Box-capping machine. No. 1,067,431; July 15; Gaz. vol. 192; p. 593.
- Jenkins, Charles F., Washington, D. C. Flying-machine. No. 1,067,432; July 15; Gaz. vol. 192; p. 593.
- Jenkins, Charles F., Washington, D. C. Flying-machine. No. 1,081,504; Dec. 16; Gaz. vol. 197; p. 612.
- Jenkins, Charles F., Washington, D. C., assignor to Single Service Package Corporation of America, New York, N. Y. Adhesive-applying device. No. 1,064,738; June 17; Gaz. vol. 191; p. 607.
- Jenkins, Charles F., Washington, D. C., assignor, by mesne assignments, to Laemmle Manufacturing Company. Moving-picture apparatus. No. 1,083,016; Dec. 30; Gaz. vol. 197; p. 1190.
- Jenkins, Charles H., *et al.* (See O'Bryan, Gory, assignor.)
- Jenkins, Henry, Gillette, Wyo. Rail-anchor. No. 1,076,372; Oct. 21; Gaz. vol. 195; p. 668.
- Jenkins, Jesse C. and A. G., Philippi, W. Va. Nut-lock. No. 1,056,686; Mar. 18; Gaz. vol. 188; p. 756.
- Jenkins, Robert L., assignor of one-fourth to L. B. Hancock, Richmond, Va. Resilient tire. No. 1,053,821; Feb. 18; Gaz. vol. 187; p. 752.
- Jenkins, Samuel E., Richmond, Va. Cow-milking machine. No. 1,066,430; July 1; Gaz. vol. 192; p. 182.
- Jenkins, Samuel M., assignor of one-sixth to C. C. Tennis, one-sixth to E. C. Rietman, Louisville, Ky., and one-sixth to M. F. Tennis, Pittsburgh, Pa. Lubrication. No. 1,073,606; Sept. 23; Gaz. vol. 194; p. 758.
- Jenkins, Thomas R., Jr., Baltimore, Md., assignor of one-half to W. S. Finnell and one-half to Finola Manufacturing Company, Hannibal, Mo. Rotary scrubbing-machine. No. 1,079,298; Nov. 18; Gaz. vol. 196; p. 770.
- Jenkins, Thomas R., Jr., Baltimore, Md., assignor of one-half to W. S. Finnell and one-half to Finola Manufacturing Company, Hannibal, Mo. Truck-reel for conductor-wires. No. 1,079,299; Nov. 18; Gaz. vol. 196; p. 770.
- Jenkins, William, Meaford, Ontario, Canada. Holding device for cogs. No. 1,056,687; Mar. 18; Gaz. vol. 188; p. 756.
- Jenkins, William H. (See Richards and Jenkins.)

Alphabetical list of patentees—Continued.

- Jenkins, Wilton F., Richmond, Va. Demountable rim. No. 1,076,430; Oct. 21; Gaz. vol. 195; p. 689.
- Jenner, John H., Leavenworth, Ind. Wrench. No. 1,055,916; Mar. 11; Gaz. vol. 188; p. 459.
- Jenness, Arthur, Boundbrook, N. J. Spring-tire. No. 1,058,593; Apr. 8; Gaz. vol. 189; p. 455.
- Jenness, Charles L., *et al.* (See Minor, Charles C., assignor.)
- Jenning, Gustav A., East St. Louis, Ill. Leveling instrument. No. 1,060,602; May 6; Gaz. vol. 190; p. 13.
- Jennings, David J., and H. White, Cleveland, Ohio. Vehicle-wheel. No. 1,056,550; Mar. 18; Gaz. vol. 188; p. 711.
- Jennings, Edward, Windsor, Ontario, Canada. Railway-signal. No. 1,054,421; Feb. 25; Gaz. vol. 187; p. 995.
- Jennings, Elmire, New York, N. Y. Hose-supporter. No. 1,076,675; Oct. 28; Gaz. vol. 195; p. 829.
- Jennings, Frank R., Chicago, Ill. Line-reel. No. 1,061,749; May 13; Gaz. vol. 190; p. 444.
- Jennings, Frank S., Cincinnati, Ohio, assignor to Boston Machine Works Company, Boston, Mass. Sewing-machine cut-off attachment for tapes. No. 1,070,137; Aug. 12; Gaz. vol. 193; p. 391.
- Jennings, Frank S., Cincinnati, Ohio, assignor to Boston Machine Works Company, Boston, Mass. Sewing-machine cut-off attachment for tapes. (Reissue.) No. 1,362,7; Oct. 14; Gaz. vol. 195; p. 517.
- Jennings, James E., St. Charles, Ill. Distributing-nozzle for blower-pipes. No. 1,057,738; Apr. 1; Gaz. vol. 189; p. 117.
- Jennings, John F., Cleveland, Ohio. Vacuum-hood. No. 1,054,208; Feb. 25; Gaz. vol. 187; p. 921.
- Jennings, John R., West Newton, Pa. Rail-chair. No. 1,079,768; Nov. 25; Gaz. vol. 196; p. 967.
- Jennings, Marion B., Pawhuska, Okla. Hose-supporter. No. 1,049,864; Jan. 7; Gaz. vol. 186; p. 186.
- Jennings, Nancy G., Appomattox, Va. Beater and mixer. No. 1,073,133; Sept. 16; Gaz. vol. 194; p. 572.
- Jennings, Phillip S., Altoona, assignor of one-fourth to J. J. Amann, Gadsden, Ala. Rail-joint. No. 1,049,722; Jan. 7; Gaz. vol. 186; p. 138.
- Jennings, Victor H., assignor to Mills Woven Cartridge Belt Co., Worcester, Mass. Cartridge-belt. No. 1,049,723; Jan. 7; Gaz. vol. 186; p. 138.
- Jennings, Victor H., assignor to Mills Woven Cartridge Belt Company, Worcester, Mass. Woven fabric. No. 1,054,556; Feb. 25; Gaz. vol. 187; p. 1039.
- Jennings, Victor H., assignor to Mills Woven Cartridge Belt Company, Worcester, Mass. Holster-web and weaving the same. No. 1,062,238; May 20; Gaz. vol. 190; p. 647.
- Jennison, Harry G., Toledo, Ohio. Wood pavement. No. 1,061,296; May 13; Gaz. vol. 190; p. 286.
- Jensen, Aage. (See Gray and Jensen.)
- Jensen, Aage, Oakland, Cal. Regenerator. No. 1,073,989; Sept. 23; Gaz. vol. 194; p. 891.
- Jensen, Aage, Oakland, Cal. Heater. No. 1,080,454; Dec. 2; Gaz. vol. 197; p. 188.
- Jensen, Aage, Oakland, Cal. Liquid pasteurizer and cooler. No. 1,080,455; Dec. 2; Gaz. vol. 197; p. 189.
- Jensen, Anders, Nørresundby, and P. Nielsen, Brønderslev, assignors to Skandinavisk Staabremskivefabrik ved J. C. Martins, Copenhagen, Denmark. Friction-gearing. No. 1,058,981; Apr. 15; Gaz. vol. 189; p. 629.
- Jensen, Andrew, Natick, Mass. Manufacturing artificial monoliths. No. 1,050,946; Jan. 21; Gaz. vol. 186; p. 625.
- Jensen, Hans L., assignor to The Egly Register Company, Dayton, Ohio. Printing-press. No. 1,062,917; May 27; Gaz. vol. 190; p. 913.
- Jensen, Harry, Wall Lake, Iowa. Corn-planter. No. 1,068,500; July 29; Gaz. vol. 192; p. 1029.
- Jensen, Hugo, Chicago, Ill. Bracket. No. 1,068,391; July 22; Gaz. vol. 192; p. 953.
- Jensen, Irving, West Branch, Iowa. Water-heater. No. 1,073,687; Sept. 23; Gaz. vol. 194; p. 788.
- Jensen, John F., assignor to R. Jensen, Union Hill, N. J. Non-refillable bottle. No. 1,073,239; Sept. 16; Gaz. vol. 194; p. 609.
- Jensen, John F., assignor to M. Jensen, Union Hill, N. J. Burglar-alarm. No. 1,076,373; Oct. 21; Gaz. vol. 195; p. 669.
- Jensen, John H., Price, Ariz. Propeller. No. 1,059,541; Apr. 22; Gaz. vol. 189; p. 858.
- Jensen, John S., Chicago, Ill. Temporary binder. No. 1,078,354; Nov. 11; Gaz. vol. 196; p. 416.
- Jensen, Jonas P., Silver Beach, Wash. Saw-handle. No. 1,071,426; Aug. 26; Gaz. vol. 193; p. 899.
- Jensen, Karl V., assignor of one-half to W. S. Thompson, Manistee, Mich. Chuck. No. 1,069,430; Aug. 5; Gaz. vol. 193; p. 120.
- Jensen, Martha. (See Jensen, John F., assignor.)
- Jensen, Martin, Fowler, Cal. Fruit-gatherer. No. 1,058,241; Apr. 8; Gaz. vol. 189; p. 334.
- Jensen, Nels, Minneapolis, Minn. Shake-ball. No. 1,050,835; Jan. 21; Gaz. vol. 186; p. 585.
- Jensen, Niels P., Ephraim, Utah. Planting implement. No. 1,053,730; Feb. 18; Gaz. vol. 187; p. 724.
- Jensen, Peter, assignor of one-third to L. Goldberger and one-third to J. Kudrik, Perth Amboy, N. J. Electrode-supporting rod for electrolytic tanks. No. 1,074,088; Sept. 23; Gaz. vol. 194; p. 923.
- Jensen, Peter L., and E. S. Pridham, Napa, assignors to Commercial Wireless & Development Co., San Francisco, Cal. Telephone. No. 1,051,113; Jan. 21; Gaz. vol. 186; p. 683.
- Jensen, Robert. (See Jensen, John F., assignor.)
- Jensenius, Herman A., Philadelphia, Pa., assignor to Camden Iron Works, Camden, N. J. Wheel-press. No. 1,054,557; Feb. 25; Gaz. vol. 187; p. 1039.
- Jenssen, Andreas, assignor to Aktieselskabet Record, Stavanger, Norway. Tin-can-seaming machine. No. 1,079,558; Nov. 25; Gaz. vol. 196; p. 891.
- Jentons, Margaret O. (See Dunlap, Garland, assignor.)
- Jentz, Frank H., Long Prairie, Minn. Shoe attachment. No. 1,057,244; Mar. 25; Gaz. vol. 188; p. 980.
- Jentzsch, Richard, Chicago, Ill. Tube-extractor. No. 1,083,103; Dec. 30; Gaz. vol. 197; p. 1218.
- Jenyns, Sarah A., Brisbane, Queensland, Australia, assignor of one-tenth to H. S. MacKaye, Yonkers, N. Y. Corset. No. 1,081,385; Dec. 16; Gaz. vol. 197; p. 573.
- Jeppson, George N., assignor to Norton Company, Worcester, Mass. Crucible. No. 1,081,535; Dec. 16; Gaz. vol. 197; p. 624.
- Jeppson, George N., assignor to Norton Company, Worcester, Mass. Refractory composition. No. 1,081,536; Dec. 16; Gaz. vol. 197; p. 624.
- Jepson, John, *et al.*, trustees. (See Andrews, Edwin W., assignor.)
- Jepson, John W., Depew, and A. McGary, New York, N. Y., assignors, by mesne assignments, to Gould Coupler Co. Electrical system and apparatus therefor. No. 1,062,918; May 27; Gaz. vol. 190; p. 913.
- Jernee, Howard B., Perth Amboy, N. J. Method of and apparatus for bessemerizing copper matte. No. 1,059,367; Apr. 22; Gaz. vol. 189; p. 797.
- Jerome, Edgar, Norwalk, Conn. Toilet-paper holder. No. 1,065,910; June 24; Gaz. vol. 191; p. 1035.
- Jerome, Frederick L., Bangor, Wis. Snapping-roll cleaner. No. 1,064,654; June 10; Gaz. vol. 191; p. 541.
- Jerram, Arthur E. (See Keall, Gouldbourn, and Jerram.)
- Jerram, Arthur E. (See Pearson and Jerram.)
- Jerrendorf, Gottlieb M. zu, Kirchzarten, near Freiburg, Germany. Land-clearing apparatus. No. 1,054,351; Feb. 25; Gaz. vol. 187; p. 970.
- Jerrim, James H., Finstall, Bromsgrove, England. Fastener. No. 1,076,983; Oct. 28; Gaz. vol. 195; p. 938.
- Jersemann, Max, New York, N. Y. Display-stand. No. 1,067,816; July 22; Gaz. vol. 192; p. 757.
- Jersey City Printing Company, The. (See Dear and Cole, assignors.)
- Jervis, Tommaso, Brescia, Italy. Hanging suspension for electrical-transmission lines. No. 1,058,673; Apr. 8; Gaz. vol. 189; p. 483.
- Jerwan, Fuad S. (See Jerwan, Shakir S. and F. S.)
- Jerwan, Shakir S. and F. S., New York, N. Y. Aero-motor-boat. No. 1,049,865; Jan. 7; Gaz. vol. 186; p. 186.
- Jesse Beery Company, The. (See Beery, Jesse, assignor.)
- Jesse French & Sons Piano Company. (See French, Horace E., assignor.)
- Jessup, George K. (See Murray and Jessup.)
- Jessup, George K., assignor to T. E. Murray, New York, N. Y. Seal-fastening. No. 1,055,638; Mar. 11; Gaz. vol. 188; p. 366.
- Jester, Marvin H., Denver, Colo., assignor to The M. H. Jester Investment Company. Wall construction. No. 1,073,134; Sept. 16; Gaz. vol. 194; p. 572.
- Jester, Marvin H., Denver, Colo., assignor to The M. H. Jester Investment Company. Supporting device for plaster-boards used in partition construction. No. 1,076,766; Oct. 28; Gaz. vol. 195; p. 860.
- Jester, Marvin H., Denver, Colo., assignor to The M. H. Jester Investment Company. Means for supporting plaster-boards in partition construction. No. 1,078,144; Nov. 11; Gaz. vol. 196; p. 341.
- Jester, Marvin H., Denver, Colo., assignor to The M. H. Jester Investment Company. Support for receiving stucco and other plastering material. No. 1,080,221; Dec. 2; Gaz. vol. 197; p. 106.
- Jester, Marvin H., Denver, Colo., assignor to The M. H. Jester Investment Company. Metallic-studding metal-clip plaster-board partition-wall construction. No. 1,082,336; Dec. 23; Gaz. vol. 197; p. 923.
- Jett, George C., Gary, Ind. Tractor. No. 1,071,427; Aug. 26; Gaz. vol. 193; p. 899.
- Jett, George C., Gary, Ind. Tractor. (Reissue.) No. 1,363,4; Oct. 21; Gaz. vol. 195; p. 789.
- Jewell, Clay, assignor to The Jewell Electric Company, Baltimore, Md. Motor-starter. (Reissue.) No. 1,357,3; June 10; Gaz. vol. 191; p. 559.
- Jewell Electric Company, The. (See Jewell, Clay, assignor.) (Reissue.)
- Jewell, Thomas C., assignor of one-half to R. R. Burnside, Elbert, Colo. Bow-facing oar. No. 1,053,822; Feb. 18; Gaz. vol. 187; p. 753.

Alphabetical list of patentees—Continued.

- Jewell, William M., assignor to Chloride Process Company, Chicago, Ill. Electrolytic cell and maintaining the efficiency thereof. No. 1,056,181; Mar. 18; Gaz. vol. 188; p. 584.
- Jewett, Edward L., Brooklyn, N. Y. Trolley catcher and retriever. No. 1,060,341; Apr. 29; Gaz. vol. 189; p. 1169.
- Jewett, Elmer B., Clarksburg, W. Va., assignor to National Carbon Company, Cleveland, Ohio. Electrode for use in electrothermal processes. No. 1,067,031; July 8; Gaz. vol. 192; p. 419.
- Jewett, Ora H., St. Paul, Ind. Bottle. No. 1,055,400; Mar. 11; Gaz. vol. 188; p. 288.
- Jikihara, Toshihei, Upland, Cal. Ground-breaker. No. 1,051,811; Jan. 28; Gaz. vol. 186; p. 949.
- Jiranek, Louis A., Minneapolis, Minn. Sanitary baby-dresser. No. 1,082,082; Dec. 23; Gaz. vol. 197; p. 835.
- Jirka, Irwin G., Chicago, Ill. Clamp mouth-mirror. No. 1,079,414; Nov. 25; Gaz. vol. 196; p. 841.
- Jirousek, Frank, Owatonna township, Steele county, Minn. Grain-stacker. No. 1,068,138; July 22; Gaz. vol. 192; p. 866.
- Jirousek, Joseph F., and N. T. Plummer, assignors of one-third to J. A. Strock, Shelby, Ohio. Interleaving device. No. 1,069,787; Aug. 12; Gaz. vol. 193; p. 270.
- Joachim, Hermann. (See Wyner, Auguste, assignor.)
- Joachimson, Martin, assignor to Bass Bros., New York, N. Y. Angle or miter clamp. No. 1,081,311; Dec. 16; Gaz. vol. 197; p. 546.
- Jobin, Robert J., and J. A. Prat, New Orleans, La. Postage-stamping machine. No. 1,057,840; Apr. 1; Gaz. vol. 189; p. 153.
- Joch, Anton, assignor to The Ohio Blower Company, Cleveland, Ohio. Ventilator. No. 1,062,012; May 20; Gaz. vol. 190; p. 570.
- Jockmus, Charles H., Ansonia, Conn. Wind-shield hinge. No. 1,069,955; Aug. 12; Gaz. vol. 193; p. 327.
- Jockmus, Charles H., Ansonia, Conn. Wind-shield hinge. No. 1,069,956; Aug. 12; Gaz. vol. 193; p. 327.
- Joerin, Albert E. (See Joerin, Charles, Jr., and A. E.)
- Joerin, Charles, Jr., and A. E., Detroit, Mich. Dental water filter and heater. No. 1,075,978; Oct. 14; Gaz. vol. 195; p. 505.
- Johann, Nick, Milwaukee, Wis. Elevator safety device. No. 1,057,432; Apr. 1; Gaz. vol. 189; p. 14.
- Johannesen, Svend E., Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Transformer. No. 1,069,259; Aug. 5; Gaz. vol. 193; p. 61.
- Johannesen, Svend E., Pittsfield, Mass., assignor to General Electric Company. Transformer bushing and terminal board. No. 1,075,573; Oct. 14; Gaz. vol. 195; p. 367.
- Johannet, Henry, *et al.* (See Speck, Nicholas, assignor.)
- Johansen, Mikkil, Maplewood, Mo. Lawn-mower sharpener. No. 1,074,180; Sept. 30; Gaz. vol. 194; p. 983.
- Johanson, Claes G., Dorchester, Mass., assignor to J. W. Gooding, Providence, R. I. Vehicle-wheel. No. 1,073,049; Sept. 9; Gaz. vol. 194; p. 506.
- Johanson, Peter E., Warren, Pa. Universal tool-holder. No. 1,080,560; Dec. 9; Gaz. vol. 197; p. 253.
- Johanson, Peter F., San Jose, Cal. Dumping-rake. No. 1,055,466; Mar. 11; Gaz. vol. 188; p. 310.
- Johansson, Johan P., Euköping, Sweden. Elastic ball-bearing for neck-journals. No. 1,064,912; June 17; Gaz. vol. 191; p. 662.
- Johansson, Karl E., Chicago, Ill. Animal-trap. No. 1,077,912; Nov. 4; Gaz. vol. 196; p. 230.
- Johanyak, Frank, Batavia, N. Y. Package-holder. No. 1,079,769; Nov. 25; Gaz. vol. 196; p. 967.
- John A. Hurley, Incorporated. (See Stendahl, Knut L., assignor.)
- John A. Roebling's Sons Company. (See Sunderland, Charles C., assignor.)
- John, Aktien-Gesellschaft, J. A. (See Klein, Albin, assignor.)
- John B. Adt Company, The. (See Adt, John B., assignor.)
- John Boyle & Company. (See Smith, Wilbur R., assignor.)
- John Boyle & Company. (See Sullivan, John R., assignor.)
- John Chatillon & Sons. (See Stevens, Frederick M., assignor.)
- John Church Company, The. (See Leisch, Joseph, assignor.)
- John, Daniel W., assignor of one-half to G. John, Dempsey, Idaho. Fly-trap. No. 1,082,027; Dec. 23; Gaz. vol. 197; p. 816.
- John Dietz Manufacturing Company, The. (See Dietz, John, assignor.)
- John F. McCanna Company, The. (See McCanna, John F., assignor.)
- John, George. (See John, Daniel W., assignor.)
- John, Griffith, Yonkers, N. Y. Ball-bearing connecting device for ropes or cables. No. 1,064,225; June 10; Gaz. vol. 191; p. 397.
- John I. Thornycroft & Co. Limited. (See Barnaby, Sydney W., assignor.)
- John Maddock & Sons. (See Bamford, Frank W., assignor.)
- John Mehl & Company. (See Gentzel, Gustav H., assignor.)
- John Praetz, Inc. (See Praetz, John, assignor.)
- John Simmons Company. (See Kenny, John, assignor.)
- John Wanamaker. (See Tily and Rehuss, assignors.)
- John Wildt Evaporated Milk Co., The. (See Montgomery, John F., assignor.)
- Johnes, Alfred, assignor of one-half to A. H. Heil, Bridgeport, Conn. Calipers. No. 1,061,614; May 13; Gaz. vol. 190; p. 398.
- Johns, H. W. (See Le Pontois, Leon J., assignor.)
- Johns-Pratt Company, The. (See Hooker, Duncan C., assignor.)
- Johns-Pratt Company, The. (See Kempton, Willard H., assignor.)
- Johns-Pratt Company, The. (See Williams, Harry R., assignor.)
- Johns, Thomas G. (See Bannister and Johns.)
- Johnsen, Aksel P., Chicago, Ill. Derrick. No. 1,060,603; May 6; Gaz. vol. 190; p. 14.
- Johnsen, Jonas A., Copenhagen, Denmark. Friction-turbine. No. 1,056,338; Mar. 18; Gaz. vol. 188; p. 636.
- Johnsen, Jonas A., Copenhagen, Denmark. Apparatus for producing and utilizing micro movements in weak-current technics. No. 1,075,786; Oct. 14; Gaz. vol. 195; p. 438.
- Johnson, Aaron, Valdez, Alaska. Current-motor. No. 1,049,724; Jan. 7; Gaz. vol. 186; p. 138.
- Johnson, Aben E. (See Wilson, Richard T., assignor.)
- Johnson, Albert E., Beverly, Mass., assignor to United Shoe Machinery Company, Paterson, N. J. Sewing-machine thread pull-off. No. 1,082,636; Dec. 30; Gaz. vol. 197; p. 1059.
- Johnson, Alfred C. (See Calkins and Johnson.)
- Johnson, Alvin R., Bourbon county, Kans. Corn-heading device. No. 1,055,181; Mar. 4; Gaz. vol. 188; p. 176.
- Johnson, Anders G. (See Anderson, Anders E., assignor.)
- Johnson, Andrew A., *et al.* (See Buckley, John, assignor.)
- Johnson, Andrew M., Indianapolis, Ind. Cord-adjuster. No. 1,068,139; July 22; Gaz. vol. 192; p. 866.
- Johnson, Andy, Springfield, Ill. Convertible furniture. No. 1,074,865; Oct. 7; Gaz. vol. 195; p. 93.
- Johnson, Archer W., Holland, Mich. Switch. No. 1,081,119; Dec. 9; Gaz. vol. 197; p. 443.
- Johnson, Arcy H., Columbia, Tenn. Flushing-valve. No. 1,055,538; Mar. 11; Gaz. vol. 188; p. 333.
- Johnson, Aron, New York, N. Y. Bottle-capping machine. No. 1,055,753; Mar. 11; Gaz. vol. 188; p. 404.
- Johnson, Arthur C. (See Wheeler, Johnson, and Wheeler.)
- Johnson, Arthur O. (See Kallenbaugh and Johnson.)
- Johnson, August, South Chicago, Ill. Crane-hook-locking device. No. 1,051,114; Jan. 21; Gaz. vol. 186; p. 684.
- Johnson, Austin C., assignor, by mesne assignments, to Automatic Production Meter Company, Chicago, Ill. Controlling means for machine-recorders. No. 1,082,083; Dec. 23; Gaz. vol. 197; p. 835.
- Johnson Automatic Sealer Company. (See Johnson, Harry L., assignor.)
- Johnson, Axel, San Francisco, Cal., assignor to American Can Company, New York, N. Y. Can flanging and double-seaming machine. No. 1,055,467; Mar. 11; Gaz. vol. 188; p. 310.
- Johnson, Axel, Oakland, Cal., assignor to American Can Company. Can-head-feed mechanism. No. 1,074,325; Sept. 30; Gaz. vol. 194; p. 1031.
- Johnson, Benj. F., *et al.* (See Davies, Alfred H., assignor.)
- Johnson, Benjamin A., Chicago, Ill. Brake-shoe. No. 1,081,046; Dec. 9; Gaz. vol. 197; p. 420.
- Johnson, Boone V. H., assignor to Commonwealth Steel Company, St. Louis, Mo. Vestibule end frame. No. 1,056,905; Mar. 25; Gaz. vol. 188; p. 862.
- Johnson, Boone V. H., assignor to Commonwealth Steel Company, St. Louis, Mo. Railway-car-hood frame. No. 1,056,906; Mar. 25; Gaz. vol. 188; p. 862.
- Johnson, Boone V. H., St. Louis, Mo., assignor to Double Body Bolster Co. Reinforcing corner-post and end-frame brace for cars. No. 1,064,835; June 17; Gaz. vol. 191; p. 638.
- Johnson, Boone V. H., assignor to Double Body Bolster Company, St. Louis, Mo. Combined car-body corner-post and door-frame. No. 1,064,970; June 17; Gaz. vol. 191; p. 682.
- Johnson, Boone V. H., St. Louis, Mo., assignor to Double Body Bolster Co. Railway-car. No. 1,069,957; Aug. 12; Gaz. vol. 193; p. 328.
- Johnson, Bror A. E. (See Wass and Johnson.)
- Johnson, Carl A., Jamestown, N. Y. Gas-burner. No. 1,074,866; Oct. 7; Gaz. vol. 195; p. 94.
- Johnson, Carl A., Stockholm, Sweden. Apparatus for regulating the pressure on a grinding-stone. No. 1,075,355; Oct. 14; Gaz. vol. 195; p. 291.
- Johnson, Carl E., and G. Winterstein, Chicago, Ill. Account-register. No. 1,056,280; Mar. 18; Gaz. vol. 188; p. 618.
- Johnson, Carl J. F., Cleveland, Ohio. Furnace-door. No. 1,067,255; July 15; Gaz. vol. 192; p. 533.
- Johnson, Carl O., Tekoa, Wash. Collar-band for shirts. No. 1,062,468; May 20; Gaz. vol. 190; p. 723.
- Johnson, Charles E. (See Johnson, George C. and C. E.)

Alphabetical list of patentees—Continued.

- Johnson, Charles E., assignor to The American Hardware Corporation, New Britain, Conn. Suit-case hasp. No. 1,058,063; Apr. 8; Gaz. vol. 189; p. 272.
- Johnson, Charles E., assignor to The American Hardware Corporation, New Britain, Conn. Time-recording mechanism. No. 1,080,697; Dec. 9; Gaz. vol. 197; p. 301.
- Johnson, Charles H., East Orange, N. J. Elapsed-time recorder. No. 1,059,468; Apr. 22; Gaz. vol. 189; p. 833.
- Johnson, Charles J., assignor to Johnson Gas Appliance Company, Cedar Rapids, Iowa. Sad-iron. No. 1,068,245; July 22; Gaz. vol. 192; p. 903.
- Johnson, Charles O., Detroit, Mich. Bearing. No. 1,050,140; Jan. 14; Gaz. vol. 186; p. 312.
- Johnson, Charles R., Topeka, Kans. Aeroplane. No. 1,055,468; Mar. 11; Gaz. vol. 188; p. 311.
- Johnson, Chester F., Detroit, Mich. Carbureter. No. 1,059,368; Apr. 22; Gaz. vol. 189; p. 797.
- Johnson, Claude M., New York, N. Y., assignor to Unsinkable Bathing Boat Company, Inc. Bathing-boat. No. 1,080,635; Dec. 9; Gaz. vol. 197; p. 280.
- Johnson, Conrad A., Jamestown, N. Y. Window. No. 1,076,767; Oct. 28; Gaz. vol. 195; p. 861.
- Johnson, Curtis, River Falls, Wis. Milk-can cover and tag-holder. No. 1,053,291; Feb. 18; Gaz. vol. 187; p. 571.
- Johnson, Daniel W., Saginaw West Side, Mich. Electric railway-switch. No. 1,051,812; Jan. 28; Gaz. vol. 186; p. 949.
- Johnson, Earl M., Harlan, Iowa. Motor-cycle side car. No. 1,069,788; Aug. 12; Gaz. vol. 193; p. 271.
- Johnson, Edward E., St. Paul, Minn. Stand-pipe or water-column. No. 1,060,844; May 6; Gaz. vol. 190; p. 97.
- Johnson, Edward H., New York, N. Y., assignor to S. Insull, Chicago, Ill. Fountain-pen. No. 1,065,872; June 24; Gaz. vol. 191; p. 1022.
- Johnson, Edward J., Graycreek, Colo. Powder-can. No. 1,062,101; May 20; Gaz. vol. 190; p. 601.
- Johnson, Einer, Minneapolis, Minn. Gas-testing apparatus. No. 1,074,795; Oct. 7; Gaz. vol. 195; p. 72.
- Johnson, Eldridge R., Philadelphia, Pa., assignor to Victor Talking Machine Company. Talking-machine. No. 1,060,550; Apr. 29; Gaz. vol. 189; p. 1241.
- Johnson, Eldridge R., Philadelphia, Pa., assignor to Victor Talking Machine Company. Sound-conveying tube for talking-machines. No. 1,071,055; Aug. 26; Gaz. vol. 193; p. 776.
- Johnson, Eldridge R., Merlon, Pa., assignor to Victor Talking Machine Company. Talking-machine. No. 1,068,591; July 29; Gaz. vol. 192; p. 1060.
- Johnson, Eldridge R., Merion Station, Pa., and J. C. English, Camden, N. J., assignors to Victor Talking Machine Company. Talking-machine. No. 1,072,854; Sept. 9; Gaz. vol. 194; p. 436.
- Johnson, Eldridge R., Merion, Pa., and J. C. English, Camden, N. J., assignors to Victor Talking Machine Company. Talking-machine. No. 1,075,288; Oct. 7; Gaz. vol. 195; p. 244.
- Johnson, Elijah F., Union Mills, N. C. Connecting-rod for switches. No. 1,077,141; Oct. 28; Gaz. vol. 195; p. 988.
- Johnson, Elton N., Harrison Valley, Pa. Knockdown wardrobe. No. 1,075,478; Oct. 14; Gaz. vol. 195; p. 335.
- Johnson, Ephraim, Eveleth, Minn. Combined brush and polish-feeding device. No. 1,067,924; July 22; Gaz. vol. 192; p. 792.
- Johnson, Eric T., Timperley, W. H. Glaser and H. R. Lloyd, Cheadle Hulme, England. Carbureter. No. 1,074,625; Oct. 7; Gaz. vol. 195; p. 13.
- Johnson, Erik, Grasston, Minn. Potato-planter. No. 1,055,047; Mar. 4; Gaz. vol. 188; p. 134.
- Johnson, Ernest V., Chicago, Ill. Fireproof floor construction. No. 1,076,040; Oct. 21; Gaz. vol. 195; p. 554.
- Johnson, Ernst W., New York, N. Y. Shoe-polishing machine. No. 1,059,369; Apr. 22; Gaz. vol. 189; p. 798.
- Johnson, Francis A., Kansas City, Mo. Automatic regulator for gasoline-burners. No. 1,078,441; Nov. 11; Gaz. vol. 196; p. 446.
- Johnson, Francis T., Chicago, Ill. Safety device for wringers. No. 1,058,700; Apr. 8; Gaz. vol. 189; p. 492.
- Johnson, Francis T., Chicago, Ill. Wringer attachment. No. 1,071,923; Sept. 2; Gaz. vol. 194; p. 88.
- Johnson, Frank, Walla Walla, Wash. Pump. No. 1,056,907; Mar. 25; Gaz. vol. 188; p. 863.
- Johnson, Frank A., Salisbury, Mass. Food product. No. 1,054,422; Feb. 25; Gaz. vol. 187; p. 995.
- Johnson, Frank A., Jersey City, N. J., assignor to Signature Company, New York, N. Y. Signagraph. No. 1,066,115; July 1; Gaz. vol. 192; p. 74.
- Johnson, Frank A., Dunellen, N. J., assignor to The Signature Company, New York, N. Y. Machine for writing a plurality of signatures. No. 1,066,116; July 1; Gaz. vol. 192; p. 74.
- Johnson, Frank A., Dunellen, N. J., assignor to The Signature Company, New York, N. Y. Machine for writing a plurality of signatures. No. 1,066,117; July 1; Gaz. vol. 192; p. 75.
- Johnson, Frank A., Dunellen, N. J., assignor to The Signature Company, New York, N. Y. Multiple-writing machine. No. 1,066,118; July 1; Gaz. vol. 192; p. 75.
- Johnson, Frank A., Dunellen, N. J., assignor to Signature Company, New York, N. Y. Pen-clamp for multiple-writing machines. No. 1,073,240; Sept. 16; Gaz. vol. 194; p. 609.
- Johnson, Frank A., Dunellen, N. J., assignor to The Signature Company, New York, N. Y. Machine for writing a plurality of signatures. No. 1,080,346; Dec. 2; Gaz. vol. 197; p. 151.
- Johnson, Frank A., Dunellen, N. J., assignor to The Signature Company, New York, N. Y. Multiple-writing machine. No. 1,080,347; Dec. 2; Gaz. vol. 197; p. 151.
- Johnson, Frank A., assignor to F. J. Weddemann, Danville, Ill. Vending-machine. No. 1,066,621; July 8; Gaz. vol. 192; p. 280.
- Johnson, Frank O., *et al.* (See Nordlund, Oscar A., assignor.)
- Johnson, Frank P., Danville, Pa. Carpet-beater. No. 1,068,776; July 29; Gaz. vol. 192; p. 1125.
- Johnson, Frederick H. (See Hadden, John S., assignor.)
- Johnson, Frederick L., Lakota, N. D. Self-steering device. No. 1,057,841; Apr. 1; Gaz. vol. 189; p. 153.
- Johnson, Frederick W., Excelsior, Minn. Shore-dredge. No. 1,058,064; Apr. 8; Gaz. vol. 189; p. 272.
- Johnson, Fredric C., Billings, Mo. Gasoline turbine-engine. No. 1,069,552; Aug. 5; Gaz. vol. 193; p. 160.
- Johnson Gas Appliance Company. (See Johnson, Charles J., assignor.)
- Johnson, George A., assignor to W. H. Miner, Chicago, Ill. Draw-bar and draft-yoke connection. No. 1,052,589; Feb. 11; Gaz. vol. 187; p. 286.
- Johnson, George A., assignor to W. H. Miner, Chicago, Ill. Draft-rigging for railway-cars. No. 1,065,136; June 17; Gaz. vol. 191; p. 736.
- Johnson, George A., assignor to W. H. Miner, Chicago, Ill. Draft-rigging for railway-cars. No. 1,065,137; June 17; Gaz. vol. 191; p. 736.
- Johnson, George A., assignor to W. H. Miner, Chicago, Ill. Draft-rigging for railway-cars. No. 1,070,037; Aug. 12; Gaz. vol. 193; p. 356.
- Johnson, George A., assignor to W. H. Miner, Chicago, Ill. Draft-rigging for railway-cars. No. 1,070,038; Aug. 12; Gaz. vol. 193; p. 356.
- Johnson, George A., assignor to W. H. Miner, Chicago, Ill. Draft-rigging for railway-cars. No. 1,073,241; Sept. 16; Gaz. vol. 194; p. 610.
- Johnson, George A., assignor to W. H. Miner, Chicago, Ill. Draft-rigging for railway-cars. No. 1,073,242; Sept. 16; Gaz. vol. 194; p. 610.
- Johnson, George C. and C. E., Kansas City, Mo. Dust-spraying machine. No. 1,058,752; Apr. 15; Gaz. vol. 189; p. 548.
- Johnson, George E. (See Smith and Johnson.)
- Johnson, George L., Lynn, Mass. Collapsible wastebasket. No. 1,061,297; May 13; Gaz. vol. 190; p. 286.
- Johnson, George M., Bishop, Pa. Miner's emergency-case. No. 1,066,449; July 1; Gaz. vol. 192; p. 189.
- Johnson, George T. (See Whitridge and Johnson.)
- Johnson, George W., Atlantic, Iowa. Adjustable scaffold-trestle. No. 1,064,334; June 10; Gaz. vol. 191; p. 433.
- Johnson, George W., Oakland, Cal. Can-opener. No. 1,080,636; Dec. 9; Gaz. vol. 197; p. 280.
- Johnson, Gustaf, Stockett, Mont. Skee. No. 1,054,352; Feb. 25; Gaz. vol. 187; p. 970.
- Johnson, Harold, Brooklyn, N. Y. Combined drawing instrument, book-mark, and paper-cutter. No. 1,078,145; Nov. 11; Gaz. vol. 196; p. 341.
- Johnson, Harold R., Providence, R. I. Cuff-button. No. 1,064,913; June 17; Gaz. vol. 191; p. 662.
- Johnson, Harry C. (See Reid and Johnson.)
- Johnson, Harry E. (See Hinkley and Johnson.)
- Johnson, Harry L., assignor to Johnson Automatic Sealer Company, Ltd., Battle Creek, Mich. Carton-sealing machine. No. 1,052,666; Feb. 11; Gaz. vol. 187; p. 313.
- Johnson, Harry L., assignor to Johnson Automatic Sealer Co. Ltd., Battle Creek, Mich. Carton-sealing machine. No. 1,052,667; Feb. 11; Gaz. vol. 187; p. 313.
- Johnson, Harry M., Fresno, Cal. Automatic exposure attachment. No. 1,060,259; Apr. 29; Gaz. vol. 189; p. 1139.
- Johnson, Henry, Beatrice, Nebr. Cement grave-vault. No. 1,056,027; Mar. 18; Gaz. vol. 188; p. 532.
- Johnson, Henry A., Chicago, Ill. Carbureter. No. 1,069,335; Aug. 5; Gaz. vol. 193; p. 86.
- Johnson, Henry E. (See Bond, William J. and F. A., assignors.)
- Johnson, Henry E. (See Simons, Edward L., assignor.)
- Johnson, Henry L. E., Washington, D. C. Flying-machine. No. 1,069,138; Aug. 5; Gaz. vol. 193; p. 16.
- Johnson, Hgelmer, Elk, Wash. Saw-set. No. 1,054,124; Feb. 25; Gaz. vol. 187; p. 891.
- Johnson, Ira A., Glendale, Tex. Sleeping-shirt. No. 1,072,469; Sept. 9; Gaz. vol. 194; p. 301.
- Johnson, Israel J., Redding, Cal. Rotary pump. No. 1,074,326; Sept. 30; Gaz. vol. 194; p. 1031.
- Johnson, Iver, Abbottsford, Wis. Device for opening cans. No. 1,057,842; Apr. 1; Gaz. vol. 189; p. 154.
- Johnson, James, Chester, Pa. Water-heater. No. 1,050,543; Jan. 14; Gaz. vol. 186; p. 454.
- Johnson, James F., Milford, Nebr. Self-locking container. No. 1,053,605; Feb. 18; Gaz. vol. 187; p. 680.

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- Johnson, James M., New Brighton, Pa. Collapsible tube. No. 1,056,795; Mar. 25; Gaz. vol. 188; p. 824.
- Johnson, James S., St. Peter, Minn. Mail-holding attachment. No. 1,052,062; Feb. 4; Gaz. vol. 187; p. 75.
- Johnson, John, North Shields, England. Rotary engine. No. 1,064,226; June 10; Gaz. vol. 191; p. 397.
- Johnson, John, Antler, N. D. Music-leaf turner. No. 1,067,343; July 15; Gaz. vol. 192; p. 564.
- Johnson, John, Stiles, Wis. Road-cart. No. 1,069,703; Aug. 12; Gaz. vol. 193; p. 241.
- Johnson, John A. (See Altman, William O., assignor.)
- Johnson, John A., Denison, Tex. Combination battery-vault, cistern, and semaphore foundation. No. 1,057,843; Apr. 1; Gaz. vol. 189; p. 154.
- Johnson, John A., Greenfield, Ind. Lawn-edger. No. 1,067,032; July 8; Gaz. vol. 192; p. 419.
- Johnson, John B., and J. T. Vance, Bowling Green, Ky. Attachment for freight-car doors. No. 1,063,690; June 3; Gaz. vol. 191; p. 181.
- Johnson, John C., Skamokawa, Wash. Clamp. No. 1,067,121; July 8; Gaz. vol. 192; p. 450.
- Johnson, John D. A., Omaha, Nebr. Gearing. No. 1,078,146; Nov. 11; Gaz. vol. 196; p. 342.
- Johnson, John F., Philadelphia, Pa. Car-fender. No. 1,056,551; Mar. 18; Gaz. vol. 188; p. 712.
- Johnson, John F., Elmhurst, N. Y. Molding or trimming for buildings. No. 1,065,810; June 24; Gaz. vol. 191; p. 1001.
- Johnson, John M., Ishpeming, Mich. Signaling system. No. 1,053,038; Feb. 11; Gaz. vol. 187; p. 439.
- Johnson, John N., Albuquerque, N. Mex. Camera attachment. No. 1,053,400; Feb. 18; Gaz. vol. 187; p. 609.
- Johnson, John N., Albuquerque, N. Mex. Means for relieving the walls of receptacles from undue internal pressure. No. 1,059,370; Apr. 22; Gaz. vol. 189; p. 799.
- Johnson, John N., Houston, Tex. Latch. No. 1,069,878; Aug. 12; Gaz. vol. 193; p. 302.
- Johnson, John T., assignor of one-half to V. G. Anderson, Worcester, Mass. Pump mechanism for carpet-sweepers. No. 1,080,112; Dec. 2; Gaz. vol. 197; p. 68.
- Johnson, John T., and F. G. Mason, Caulfield, Victoria, Australia. Pneumatic-tire cover. No. 1,062,401; May 20; Gaz. vol. 190; p. 701.
- Johnson, John W. (See Hamilton and Johnson.)
- Johnson, John W. (See Johnson, William C. and J. W.)
- Johnson, John W., Leavenworth, Kans. Bit-holder. No. 1,060,845; May 6; Gaz. vol. 190; p. 97.
- Johnson, Joseph. (See Young, Eli, assignor.)
- Johnson, Joseph, Quartzsite, Ariz. Rotary engine. No. 1,066,413; July 1; Gaz. vol. 192; p. 177.
- Johnson, Joseph E., Meriden, Conn. Coffee-pot. No. 1,059,049; Apr. 15; Gaz. vol. 189; p. 652.
- Johnson, Lawrence E., Winthrop, assignor to J. Garst, Worcester, Mass. Nail making and driving machine. No. 1,078,147; Nov. 11; Gaz. vol. 196; p. 342.
- Johnson, Lawrence J., Akron, assignor to The Summit Rubber Company, Barberton, Ohio. Corset-stiffener. No. 1,061,081; May 6; Gaz. vol. 190; p. 179.
- Johnson, Lincoln, Marble, Colo. Rail-tie. No. 1,072,236; Sept. 2; Gaz. vol. 194; p. 192.
- Johnson, Lucius E., Roanoke, Va. Railway scoop-car. No. 1,078,289; Nov. 11; Gaz. vol. 196; p. 392.
- Johnson, Luke G., Gainesville, Ga. Well-bucket. No. 1,050,660; Jan. 14; Gaz. vol. 186; p. 490.
- Johnson, Mark W., Jr. (See Landgrede and Johnson.)
- Johnson, Marquis L., Mankato, Minn. Apparatus for the salvage of vessels. No. 1,073,990; Sept. 23; Gaz. vol. 194; p. 892.
- Johnson, Martin E., Chicago, Ill. Wire-puller. No. 1,068,059; July 22; Gaz. vol. 192; p. 838.
- Johnson, Michael, Cripple Creek, Colo. Apparatus for reducing friction between water and the hulls of ships. No. 1,066,732; July 8; Gaz. vol. 192; p. 320.
- Johnson, Montgomery H., Utica, N. Y. Electrically-heated soldering-iron. No. 1,064,739; June 17; Gaz. vol. 191; p. 608.
- Johnson, Morton L., assignor to Corwin Telephone Manufacturing Company, Chicago, Ill. Telephony. No. 1,053,997; Feb. 25; Gaz. vol. 187; p. 849.
- Johnson, Morton L., assignor to Corwin Telephone Manufacturing Company, Chicago, Ill. Telephone-exchange system. No. 1,053,998; Feb. 25; Gaz. vol. 187; p. 850.
- Johnson, Morton L., assignor to Corwin Telephone Manufacturing Company, Chicago, Ill. Telephony. No. 1,056,423; Mar. 18; Gaz. vol. 188; p. 665.
- Johnson, Morton L., assignor to Corwin Telephone Manufacturing Company, Chicago, Ill. Telephony. No. 1,056,424; Mar. 18; Gaz. vol. 188; p. 666.
- Johnson, Morton L., assignor to Corwin Telephone Manufacturing Company, Chicago, Ill. Telephony. No. 1,056,425; Mar. 18; Gaz. vol. 188; p. 667.
- Johnson, Morton L., assignor to Corwin Telephone Manufacturing Company, Chicago, Ill. Telephony. No. 1,075,257; Oct. 7; Gaz. vol. 195; p. 231.
- Johnson, Morton L., assignor to Corwin Telephone Manufacturing Company, Chicago, Ill. Telephony. No. 1,075,258; Oct. 7; Gaz. vol. 195; p. 231.
- Johnson, Morton L., assignor to Corwin Telephone Manufacturing Company, Chicago, Ill. Telephony. No. 1,075,259; Oct. 7; Gaz. vol. 195; p. 232.
- Johnson, Morton L., assignor to Corwin Telephone Manufacturing Company, Chicago, Ill. Telephony. No. 1,075,260; Oct. 7; Gaz. vol. 195; p. 233.
- Johnson, Moses C., Hartford, Conn. Friction-clutch. No. 1,079,348; Nov. 25; Gaz. vol. 196; p. 819.
- Johnson, Moses E., Pittsburgh, Pa. Fence-post. No. 1,070,261; Aug. 12; Gaz. vol. 193; p. 432.
- Johnson, Ole. (See Nelson, George W., assignor.)
- Johnson, Ole A., Chicago, Ill. Die-stock. No. 1,051,413; Jan. 28; Gaz. vol. 186; p. 817.
- Johnson, Oscar, Marseilles, Ill. Floor-clamp. No. 1,049,725; Jan. 7; Gaz. vol. 186; p. 139.
- Johnson, Oscar, Chicago, Ill. Coupling for vehicles. No. 1,065,688; June 24; Gaz. vol. 191; p. 961.
- Johnson, Oscar F., Loreburn, Saskatchewan, Canada. Envelop. No. 1,051,414; Jan. 28; Gaz. vol. 186; p. 817.
- Johnson, Oscar H., Elyria, Ohio. Tobacco-container. No. 1,083,104; Dec. 30; Gaz. vol. 197; p. 1218.
- Johnson, Oscar P., Nashua, N. H. Toe-steamer. No. 1,055,754; Mar. 11; Gaz. vol. 188; p. 405.
- Johnson, Oscar W., assignor to Ward Pump Company, Rockford, Ill. Molding-machine. No. 1,068,662; July 29; Gaz. vol. 192; p. 1085.
- Johnson, Oskar J., Cloquet, Minn. Service-holder. No. 1,052,590; Feb. 11; Gaz. vol. 187; p. 286.
- Johnson, Otto T., assignor to Watson Manufacturing Company, Jamestown, N. Y. Metal curtain. No. 1,051,598; Jan. 28; Gaz. vol. 186; p. 880.
- Johnson, Pauline, Brockton, Mont. Whiffletree-hook. No. 1,061,545; May 13; Gaz. vol. 190; p. 374.
- Johnson, Percy L., and F. J. S. Kilgour, Hereford, England. Transmission-gearing. No. 1,072,237; Sept. 2; Gaz. vol. 194; p. 192.
- Johnson, Peter, Brooklyn, N. Y. Tailor's measure. No. 1,069,086; July 29; Gaz. vol. 192; p. 1233.
- Johnson, Peter, Heaton, N. Mex. Trolley. No. 1,083,017; Dec. 30; Gaz. vol. 197; p. 1190.
- Johnson, Peter C., and J. A. Legere, Halifax, Nova Scotia, Canada. Combined gas and whistling buoy. No. 1,050,947; Jan. 21; Gaz. vol. 186; p. 626.
- Johnson, Peter E. (See Wanz and Johnson.)
- Johnson, Peter J., Shelley, Idaho. Keyhole-guard. No. 1,050,276; Jan. 14; Gaz. vol. 186; p. 358.
- Johnson, Philip D., Chicago, Ill. Hardening copper boiler-tubes. No. 1,078,583; Nov. 11; Gaz. vol. 196; p. 492.
- Johnson, Ralph G., Pittsburgh, Pa. Sealing shafts, tunnels, and the like. No. 1,065,369; June 24; Gaz. vol. 191; p. 852.
- Johnson, Robert H., Washington, D. C. Reversible gearing. No. 1,062,469; May 20; Gaz. vol. 190; p. 723.
- Johnson, Robert J., assignor to Sheridan Iron Works, Sheridan, Wyo. Flume. No. 1,073,857; Sept. 23; Gaz. vol. 194; p. 845.
- Johnson, Robert N., Brockton, assignor to Frank W. Whitecher Company, Boston, Mass. Pincers. No. 1,067,033; July 8; Gaz. vol. 192; p. 419.
- Johnson, Roswell H., Pittsburgh, Pa. Extracting oil from oil-bearing rock or sand. No. 1,083,018; Dec. 30; Gaz. vol. 197; p. 1190.
- Johnson Steel Wheels Corporation. (See Johnson, William C. and J. W., assignors.)
- Johnson, Theodore L., Emmetsburg, Iowa. Gate latch and lock. No. 1,074,181; Sept. 30; Gaz. vol. 194; p. 984.
- Johnson, Thomas, Dudley, England. Blasting. No. 1,078,442; Nov. 11; Gaz. vol. 196; p. 447.
- Johnson, Thomas C., assignor to Winchester Repeating Arms Co., New Haven, Conn. Mushrooming bullet. No. 1,062,919; May 27; Gaz. vol. 190; p. 914.
- Johnson, Thomas C., assignor to Winchester Repeating Arms Co., New Haven, Conn. Paper shot-shell. No. 1,065,811; June 24; Gaz. vol. 191; p. 1001.
- Johnson, Thomas C., assignor to Winchester Repeating Arms Co., New Haven, Conn. Tubular-magazine firearm. No. 1,068,060; July 22; Gaz. vol. 192; p. 839.
- Johnson, Thomas C., assignor to Winchester Repeating Arms Co., New Haven, Conn. Mushroom-bullet. No. 1,077,607; Nov. 4; Gaz. vol. 196; p. 126.
- Johnson, Thomas C., assignor to Winchester Repeating Arms Co., New Haven, Conn. Mushroom-bullet. No. 1,077,608; Nov. 4; Gaz. vol. 196; p. 126.
- Johnson, Thomas C., assignor to Winchester Repeating Arms Co., New Haven, Conn. Mushroom-bullet. No. 1,080,974; Dec. 9; Gaz. vol. 197; p. 398.
- Johnson, Thomas C., assignor to Winchester Repeating Arms Co., New Haven, Conn. Mushroom-bullet. No. 1,080,975; Dec. 9; Gaz. vol. 197; p. 399.
- Johnson, Thomas C., assignor to Winchester Repeating Arms Co., New Haven, Conn. Mushroom-bullet. No. 1,080,976; Dec. 9; Gaz. vol. 197; p. 399.
- Johnson, Thomas C., assignor to Winchester Repeating Arms Co., New Haven, Conn. Mushroom-bullet. No. 1,080,977; Dec. 9; Gaz. vol. 197; p. 399.
- Johnson, Thomas C., assignor to Winchester Repeating Arms Co., New Haven, Conn. Mushroom-bullet. No. 1,081,616; Dec. 16; Gaz. vol. 197; p. 647.
- Johnson, Thomas J., Norman, Okla. Pump. No. 1,061,615; May 13; Gaz. vol. 190; p. 398.

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- Johnson, Thomas J., and J. C. Lucas, Allenwood, Pa. Trace-hitch. No. 1,051,115; Jan. 21; Gaz. vol. 186; p. 684.
- Johnson, Thomas W., North Attleboro, Mass. Pin-tongue holder. No. 1,082,593; Dec. 30; Gaz. vol. 197; p. 1043.
- Johnson, Thomas W., assignor of one-half to A. J. Neuschuez, North Attleboro, Mass. Tea-strainer. No. 1,053,823; Feb. 18; Gaz. vol. 187; p. 753.
- Johnson, Tom E., Northwood, Iowa. Device for automatically stopping gasoline-engines. No. 1,074,327; Sept. 30; Gaz. vol. 194; p. 1032.
- Johnson, Walter, South Omaha, Nebr. Engine-valve. No. 1,056,339; Mar. 18; Gaz. vol. 188; p. 636.
- Johnson, Walter M., Bloomfield, Iowa. Display-rack. No. 1,049,726; Jan. 7; Gaz. vol. 186; p. 139.
- Johnson, William, Anderson, Ind. Roll-housing. No. 1,054,920; Mar. 4; Gaz. vol. 188; p. 90.
- Johnson, William, Anderson, Ind. Housing-cap. No. 1,065,253; June 17; Gaz. vol. 191; p. 774.
- Johnson, William A., Chicago, Ill. Pump. No. 1,075,574; Oct. 14; Gaz. vol. 195; p. 367.
- Johnson, William B., assignor to Rockford Lathe & Drill Company, Rockford, Ill. Gearing. No. 1,050,769; Jan. 14; Gaz. vol. 186; p. 526.
- Johnson, William C., Braintree, and J. W. Johnson, assignors to Johnson Steel Wheels Corporation, Boston, Mass. Making wheels. No. 1,066,431; July 1; Gaz. vol. 192; p. 182.
- Johnson, William G., Kingfisher, Okla. Convertible seed-box. No. 1,067,174; July 8; Gaz. vol. 192; p. 468.
- Johnson, William G., Kingfisher, Okla. Seed-dropper. No. 1,067,175; July 8; Gaz. vol. 192; p. 468.
- Johnson, William H. (See Lilleberg, Charles L., assignor.)
- Johnson, William M., assignor of one-half to J. W. Altman, Birmingham, Ala. Clothes-hanger rack. No. 1,073,495; Sept. 16; Gaz. vol. 194; p. 698.
- Johnson, William R., Seattle, Wash. Decoy. No. 1,062,713; May 27; Gaz. vol. 190; p. 846.
- Johnson, William S., and J. W. Sheffer, Berwick, Pa., assignors to The American Car and Foundry Company, St. Louis, Mo. Electric rivet-furnace. No. 1,078,290; Nov. 11; Gaz. vol. 196; p. 392.
- Johnson, William W. (See Butler, Joseph F., assignor.)
- Johnson, Willie H., Waco, Tex. Pipe-cutter. No. 1,064,655; June 10; Gaz. vol. 191; p. 542.
- Johnson, Woolsey M., Hartford, Conn. Metallurgical apparatus. No. 1,069,260; Aug. 5; Gaz. vol. 193; p. 61.
- Johnson, Woolsey M., Hartford, Conn. Electrically smelting volatile metals. No. 1,080,912; Dec. 9; Gaz. vol. 197; p. 377.
- Johnston, Albert, Great Falls, Mont. Automobile-wheel. No. 1,051,236; Jan. 21; Gaz. vol. 186; p. 723.
- Johnston, Albert T. (See Williamson, George S., assignor.)
- Johnston, Arthur C., Philadelphia, Pa., assignor to The J. M. Dodge Company, Naugatuck, Conn. Coal-handling apparatus. No. 1,069,431; Aug. 5; Gaz. vol. 193; p. 120.
- Johnston, Charles F., assignor of one-half to C. C. Eldridge and one-half to E. J. Beebe, Marshalltown, Iowa. Spark-plug. No. 1,061,915; May 13; Gaz. vol. 190; p. 494.
- Johnston, Clarence L., Emeryville, Cal. Numbering-machine. No. 1,067,222; July 8; Gaz. vol. 192; p. 486.
- Johnston, Clarence L., Berkeley, assignor to Standard Motor Starter Company, San Francisco, Cal. Automobile-starter. No. 1,052,827; Feb. 11; Gaz. vol. 187; p. 368.
- Johnston, Clarence S., R. C. Jefferies, and W. J. Ryan, Glendive, Mont. Deep-tilling attachment for plows. No. 1,061,479; May 13; Gaz. vol. 190; p. 350.
- Johnston, David S., Knoxville, Tenn. Fire-hose nozzle. No. 1,072,951; Sept. 9; Gaz. vol. 194; p. 472.
- Johnston, Elias W., Seattle, Wash. Anchor. No. 1,051,334; Jan. 21; Gaz. vol. 186; p. 756.
- Johnston, Fred, Los Angeles, and O. E. Kellum, Longbeach, Cal. Carbureter. No. 1,065,370; June 24; Gaz. vol. 191; p. 852.
- Johnston, George, Liverpool, England. Railway-vehicle coupling. No. 1,058,753; Apr. 15; Gaz. vol. 189; p. 548.
- Johnston, George, Detroit, Mich. Nose-rest for spectacles. No. 1,068,140; July 22; Gaz. vol. 192; p. 866.
- Johnston, Greenhow, assignor to Virginia Aerial Manufacturing Company, Incorporated, Richmond, Va. Aeroplane. No. 1,063,802; June 3; Gaz. vol. 191; p. 218.
- Johnston, Harry B., Salt Lake City, Utah. Button-sewing attachment. No. 1,049,491; Jan. 7; Gaz. vol. 186; p. 58.
- Johnston, Harry B., assignor to M. B. Johnston, Salt Lake City, Utah. Drum-screen for fishways. No. 1,064,335; June 10; Gaz. vol. 191; p. 433.
- Johnston, Herbert L., Troy, Ohio. Coffee-pot. No. 1,073,688; Sept. 23; Gaz. vol. 194; p. 789.
- Johnston, Herbert L., assignor to The Hobart Electric Manufacturing Company, Troy, Ohio. Refining-machine for coffee and the like. No. 1,080,066; Dec. 2; Gaz. vol. 197; p. 52.
- Johnston, Horace G., Corsicana, Tex. Thrust-bearing. No. 1,049,866; Jan. 7; Gaz. vol. 186; p. 186.
- Johnston, James C. (See Reap and Johnston.)
- Johnston, James C., Blackwell, Okla. Flying-machine. No. 1,068,663; July 29; Gaz. vol. 192; p. 1086.
- Johnston, James O., Athol, Idaho. Stump-puller. No. 1,062,470; May 20; Gaz. vol. 190; p. 723.
- Johnston, James S., Utica, N. Y. Rim. No. 1,068,061; July 22; Gaz. vol. 192; p. 839.
- Johnston, James S., assignor to Johnston Manufacturing Company, Utica, N. Y. Electrical fuse-plug. No. 1,050,062; Jan. 7; Gaz. vol. 186; p. 253.
- Johnston, James S., assignor to Johnston Manufacturing Company, Utica, N. Y. Electric fuse and cut-out. No. 1,053,096; Feb. 11; Gaz. vol. 187; p. 461.
- Johnston, James S., assignor to Johnston Manufacturing Company, Utica, N. Y. Fuse. No. 1,053,606; Feb. 18; Gaz. vol. 187; p. 680.
- Johnston, James S., assignor to Johnston Manufacturing Company, Utica, N. Y. Electric switch and cut-out. No. 1,057,155; Mar. 25; Gaz. vol. 188; p. 949.
- Johnston, James T. M., London, England. Portable tar-boiling apparatus. No. 1,061,916; May 13; Gaz. vol. 190; p. 494.
- Johnston, James W., assignor of one-half to T. A. Lowe, Lockport, N. Y. Bucket-dumping device. No. 1,077,986; Nov. 11; Gaz. vol. 196; p. 287.
- Johnston, John. (See Potter and Johnston.)
- Johnston, John, Woonsocket, R. I. Friction device for shuttles. No. 1,079,009; Nov. 18; Gaz. vol. 196; p. 673.
- Johnston, John T. M., et al. (See Perkins, Charles J., assignor.)
- Johnston, Joseph E., Ardmore, Pa. Liquid-level indicator. No. 1,072,122; Sept. 2; Gaz. vol. 194; p. 155.
- Johnston, M. B. (See Johnston, Harry B., assignor.)
- Johnston, M. B. (See Osborne, Henry E., assignor.)
- Johnston Manufacturing Company. (See Johnston, James S., assignor.)
- Johnston, Robert N., assignor of one-half to L. D. Sweet, Denver, Colo. Liquid-fuel burner. No. 1,062,714; May 27; Gaz. vol. 190; p. 846.
- Johnston, Robert T., Scotch Plains, N. J. Printing-press. No. 1,069,139; Aug. 5; Gaz. vol. 193; p. 17.
- Johnston, Robert T., Scotch Plains, N. J. Printing-press. No. 1,069,140; Aug. 5; Gaz. vol. 193; p. 17.
- Johnston, Robert T., Scotch Plains, N. J. Printing-press. No. 1,069,654; Aug. 5; Gaz. vol. 193; p. 194.
- Johnston, Robert T., Scotch Plains, N. J. Planograph-printing press. No. 1,075,575; Oct. 14; Gaz. vol. 195; p. 367.
- Johnston, Robert T., Scotch Plains, N. J., assignor, by mesne assignments, to Wood & Nathan Company, New York, N. Y. Apparatus for intaglio-printing. No. 1,070,610; Aug. 19; Gaz. vol. 193; p. 594.
- Johnston, Robert T., Scotch Plains, N. J., assignor, by mesne assignments, to Wood & Nathan Company, New York, N. Y. Compensating and retrieving means for printing-machines. No. 1,080,978; Dec. 9; Gaz. vol. 197; p. 399.
- Johnston & Sharp Manufacturing Company. (See Appleby, James P., assignor.)
- Johnston, William, Washington, Pa. Mail-crane. No. 1,067,344; July 15; Gaz. vol. 192; p. 564.
- Johnston, William A., A. W. Browne, Prince Bay, N. Y., and F. L. Wallace, Lansdowne, assignors to The S. S. White Dental Manufacturing Company, Philadelphia, Pa. Nasal inhaler. No. 1,081,745; Dec. 16; Gaz. vol. 197; p. 689.
- Johnston, William G., Woodbury, N. J., assignor, by mesne assignments, to The Engineering and Development Company of America, Salisbury, Md. Vapor-engine. No. 1,064,656; June 10; Gaz. vol. 191; p. 542.
- Johnston, Willis, Schenectady, N. Y. Starting device. No. 1,078,924; Nov. 18; Gaz. vol. 196; p. 643.
- Johnston, Winfred M., Dale, Wis. Washing-machine. No. 1,053,607; Feb. 18; Gaz. vol. 187; p. 681.
- Johnstone, Hampden L. (See Neddall, John T., assignor.)
- Johnstone, Harvey M., Lincoln, Nebr. Automobile transmission-lock. No. 1,061,943; May 13; Gaz. vol. 190; p. 505.
- Joiner, Joseph E., Meridian, Miss. Tamping-machine. No. 1,079,770; Nov. 25; Gaz. vol. 196; p. 967.
- Joleen, Nels, Chicago, Ill. Electric-service board. No. 1,063,265; June 3; Gaz. vol. 191; p. 32.
- Jolidon, Charles J., Hartford, Conn. Magazine-firearm. No. 1,066,206; July 1; Gaz. vol. 192; p. 108.
- Jolidon, Charles J., Hartford, Conn. Magazine-firearm. No. 1,066,207; July 1; Gaz. vol. 192; p. 108.
- Joline, Benjamin F., Tottenville, N. Y., assignor to American Ever Ready Company. Printing mechanism. No. 1,080,913; Dec. 9; Gaz. vol. 197; p. 378.
- Jolles, Adolf, Vienna, Austria-Hungary. Manufacture of a salutary drink from dairy residues. No. 1,073,135; Sept. 16; Gaz. vol. 194; p. 572.
- Jolliffe, William T., Rossett, England. Wind-screen for motor-cars and the like. No. 1,062,402; May 20; Gaz. vol. 190; p. 701.
- Jolly, Benjamin R., Raleigh, N. C. Specific-gravity balance. No. 1,072,952; Sept. 9; Gaz. vol. 194; p. 473.
- Jonas, August, and E. Tschunkur, Leverkusen, near Cologne, assignors to Farbenfabriken vorm. Friedr. Bayer & Co., Elberfeld, Germany. Producing pinacone. No. 1,068,777; July 29; Gaz. vol. 192; p. 1125.

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- Jonas, August, and E. Tschunkur, Leverkusen, assignors to Farbenfabriken vorm. Friedr. Bayer & Co., Elberfeld, Germany. Producing pinacones. No. 1,079,916; Nov. 25; Gaz. vol. 196; p. 1017.
- Jonas, Julius. (See Scherbius, Jonas, and Meyer-Dellus.)
- Jones, A. H., *et al.* (See West, Charles B., assignor.)
- Jones, Adrian D., Holloway, London, England. Means for transmitting rotary motion. No. 1,071,924; Sept. 2; Gaz. vol. 194; p. 88.
- Jones, Albert M., assignor of one-fourth to N. B. Scott. Third, one-fourth to G. K. Nicodemus, one-fourth to A. Heard, and one-fourth to H. K. Startzman, Hagerstown, Md. Railway safety device. No. 1,058,437; Apr. 8; Gaz. vol. 189; p. 404.
- Jones, Alfred P., Minneapolis, Minn. Non-sweating furniture-support. No. 1,069,141; Aug. 5; Gaz. vol. 193; p. 17.
- Jones, Alva D., assignor to E. B. Nelson, Philadelphia, Pa. Vaporizer. No. 1,065,138; June 17; Gaz. vol. 191; p. 736.
- Jones, Andrew T., Green Bay, Wis. Adjustable card-support. No. 1,071,428; Aug. 26; Gaz. vol. 193; p. 900.
- Jones, Arthur B. (See Hazzard and Jones.)
- Jones and Attwood Limited. (See Mills, Samuel J. S., assignor.)
- Jones, Bassett, Jr., New York, N. Y. Reflector. No. 1,050,466; Jan. 14; Gaz. vol. 186; p. 426.
- Jones, Belden D., assignor to The Jones Car Door Company, Chicago, Ill. Car structure. No. 1,066,908; July 8; Gaz. vol. 192; p. 379.
- Jones, Benjamin F. (See McDaniel and Kernodle, assignors.)
- Jones, Brinker R., Somerset, Pa. Combination lock-nut washer and bolt. No. 1,077,080; Oct. 28; Gaz. vol. 195; p. 971.
- Jones Car Door Company, The. (See Jones, Belden D., assignor.)
- Jones, Carl B., Nezpique, La. Flood-gate. No. 1,066,909; July 8; Gaz. vol. 192; p. 379.
- Jones, Charles, Topeka, Kans. Mail-crane. No. 1,062,239; May 20; Gaz. vol. 190; p. 648.
- Jones, Charles A., Van Wert, Ohio. Spool-cabinet. No. 1,070,611; Aug. 19; Gaz. vol. 193; p. 595.
- Jones, Charles E. (See Field, Jones, and Field.)
- Jones, Charles E., East Liverpool, Ohio. Vehicle-hood. No. 1,060,260; Apr. 29; Gaz. vol. 189; p. 1139.
- Jones, Charles E., Three Oaks, Mich. Center bearing for doubletrees. No. 1,067,740; July 15; Gaz. vol. 192; p. 698.
- Jones, Charles E., Three Oaks, Mich. Clevis and connecting device for doubletrees. No. 1,070,690; Aug. 19; Gaz. vol. 193; p. 621.
- Jones, Charles H. (See Crosby and Jones.)
- Jones, Charles W., South Mills, N. C. Releasable stake. No. 1,053,999; Feb. 25; Gaz. vol. 187; p. 850.
- Jones, Charles W., and R. R. Gordon, Richmond, Va. Railway-spike. No. 1,059,875; Apr. 22; Gaz. vol. 189; p. 964.
- Jones, Christopher G., Cowen, W. Va. Nut-lock. No. 1,060,094; Apr. 29; Gaz. vol. 189; p. 1081.
- Jones, Clifford E., Eightmile, Oreg. Weed-cutter. No. 1,081,746; Dec. 16; Gaz. vol. 197; p. 689.
- Jones, Daniel P., Westminster, London, assignor to Patent Rapid Scaffold Tie Company Limited, London, England. Scaffold-tie. No. 1,063,036; May 27; Gaz. vol. 190; p. 952.
- Jones, David W., and W. J. Miller, assignors of one-third to J. F. Stone, Columbus, Ohio. Explosive-engine. No. 1,081,120; Dec. 9; Gaz. vol. 197; p. 444.
- Jones, Earl. (See Fleming and Jones.)
- Jones, Edward, Perry-Bar, assignor to Kynoch Limited, Witton, near Birmingham, England. Gun. No. 1,063,882; June 3; Gaz. vol. 191; p. 243.
- Jones, Edward F., St. Joseph, Mo. Steam-trap. No. 1,078,047; Nov. 11; Gaz. vol. 196; p. 308.
- Jones, Edward L., and C. H. Roth, assignors to Jones Electric Starter Company, Chicago, Ill. Transmission-gearing. No. 1,082,028; Dec. 23; Gaz. vol. 197; p. 816.
- Jones, Edward S., assignor of one-fifth to H. T. Smith, Mobile, Ala. Suspender-clasp. No. 1,050,948; Jan. 21; Gaz. vol. 186; p. 626.
- Jones, Edward S., assignor of one-fifth to A. Hubbard, Mobile, Ala. Corn-husking machine. No. 1,051,500; Jan. 28; Gaz. vol. 186; p. 846.
- Jones, Edwin, Troy, Kans. Disk attachment for cultivators. No. 1,060,905; May 6; Gaz. vol. 190; p. 119.
- Jones, Edwin C., assignor of one-half to J. Pearson, Toronto, Ontario, Canada. Igniter. No. 1,074,265; Sept. 30; Gaz. vol. 194; p. 1011.
- Jones, Edwin C., assignor of one-half to J. Pearson, Toronto, Ontario, Canada. Air and gas mixer. No. 1,074,266; Sept. 30; Gaz. vol. 194; p. 1011.
- Jones Electric Starter Company. (See Jones and Roth, assignors.)
- Jones, Elihu K., Portland, Oreg. Pipe-wrench. No. 1,060,685; May 6; Gaz. vol. 190; p. 42.
- Jones, Elliott W., Opelika, Ala. Indicator for meat-cutters. No. 1,064,657; June 10; Gaz. vol. 191; p. 543.
- Jones, Elmer M., assignor to Jones Signal System Company, Atlanta, Ga. Train signaling device. No. 1,066,910; July 8; Gaz. vol. 192; p. 379.
- Jones, Emil J., assignor of one-half to J. A. Jones, Jamestown, N. Y. Sheet-metal furniture. No. 1,080,513; Dec. 2; Gaz. vol. 197; p. 207.
- Jones, Emma L., Pittsburgh, Pa. Tollet article. No. 1,051,415; Jan. 28; Gaz. vol. 186; p. 817.
- Jones, Ernest G., and T. T. Patchel, Cape May, N. J. Rotary engine. No. 1,079,177; Nov. 18; Gaz. vol. 196; p. 732.
- Jones, Eugene F., assignor of one-half to F. A. Spence, Richmond, Va. Cover-fastener. No. 1,073,136; Sept. 16; Gaz. vol. 194; p. 573.
- Jones, Eugene F., assignor of one-half to F. A. Spence, Richmond, Va. Knockdown box. No. 1,073,137; Sept. 16; Gaz. vol. 194; p. 573.
- Jones, Everett R., and T. Fitzpatrick, Kansas City, Mo. Dumping-cart. No. 1,071,056; Aug. 26; Gaz. vol. 193; p. 776.
- Jones, Everette R., Blackshear, Ga. Hat-box lifter. No. 1,059,469; Apr. 22; Gaz. vol. 189; p. 834.
- Jones, Floyd D., assignor to Jones Razor and Manufacturing Company, Kansas City, Mo. Safety-razor. No. 1,081,747; Dec. 16; Gaz. vol. 197; p. 690.
- Jones, Floyd D., assignor to Jones Razor and Manufacturing Company, Kansas City, Mo. Safety-razor. No. 1,081,748; Dec. 16; Gaz. vol. 197; p. 690.
- Jones, Francis E., Philadelphia, Pa. Massaging apparatus. No. 1,050,836; Jan. 21; Gaz. vol. 186; p. 585.
- Jones, Frank, assignor of one-half to W. A. Endter, Rock Island, Ill. Tinner's-seam-beating device. No. 1,061,848; May 13; Gaz. vol. 190; p. 472.
- Jones, Frank H., assignor of one-half to F. L. Jones, Baltimore, Md. Adjustable crutch. No. 1,073,991; Sept. 23; Gaz. vol. 194; p. 892.
- Jones, Frank L. (See Jones, Frank H., assignor.)
- Jones, Frank P., assignor to The Baldwin Company, Cincinnati, Ohio. Musical-instrument-control handle. No. 1,056,182; Mar. 18; Gaz. vol. 188; p. 585.
- Jones, Frank T. (See Jones, Helena J. and F. T.)
- Jones, Frank T. (See Jones, Richard T. and F. T.)
- Jones, Frank T., assignor to The Jones Safety Train Control System Company, Baltimore, Md. Electric train-controlled system for railways. No. 1,072,383; Sept. 2; Gaz. vol. 194; p. 241.
- Jones, Fred A., *et al.* (See Larsson, Thure, assignor.) (Reissue.)
- Jones, Frederick A. (See Shephard and Jones.)
- Jones, George D., assignor to Kokomo Belt Co., Kokomo, Ind. Trousers-support. No. 1,050,277; Jan. 14; Gaz. vol. 186; p. 359.
- Jones, George H., Aldan, Pa. Vehicle-frame. No. 1,053,824; Feb. 18; Gaz. vol. 187; p. 753.
- Jones, George H., London, England. Stopper for bottles, jars, and the like. No. 1,076,374; Oct. 21; Gaz. vol. 195; p. 669.
- Jones, George M. (See Kelly, John T., assignor.)
- Jones, George W., Canandaigua, N. Y. Window-glass fastener. No. 1,053,825; Feb. 18; Gaz. vol. 187; p. 754.
- Jones, George W., Boston, Mass. Telephone-comptometer. No. 1,055,917; Mar. 11; Gaz. vol. 188; p. 459.
- Jones, Griffith. (See Harries and Jones.)
- Jones, Harley H., assignor to F. C. Fellows, Medford, Mass. Hammock-support. No. 1,075,150; Oct. 7; Gaz. vol. 195; p. 193.
- Jones, Harry. (See Gallagher and Jones.)
- Jones, Harry, Suffern, N. Y., assignor to American Brake Shoe & Foundry Company, Mahwah, N. J. Flanged brake-shoe. No. 1,066,119; July 1; Gaz. vol. 192; p. 76.
- Jones, Harry, Suffern, N. Y., assignor, by mesne assignments, to American Brake Shoe & Foundry Company, Mahwah, N. J. Corrugating and slitting machine. No. 1,067,521; July 15; Gaz. vol. 192; p. 623.
- Jones, Harry, Suffern, N. Y., assignor, by mesne assignments, to American Brake Shoe & Foundry Company, Mahwah, N. J. Brake-head and securing-key for brake-shoes. No. 1,068,664; July 29; Gaz. vol. 192; p. 1086.
- Jones, Harry, Suffern, N. Y., assignor to American Brake Shoe & Foundry Company, Mahwah, N. J. Composition-filled brake-shoe. No. 1,074,366; Sept. 30; Gaz. vol. 194; p. 1045.
- Jones, Harry, Suffern, N. Y., assignor, by mesne assignments, to American Brake Shoe & Foundry Company, Mahwah, N. J. Composition-filled brake-shoe. No. 1,082,158; Dec. 23; Gaz. vol. 197; p. 858.
- Jones, Harry C., Larchmont, N. Y. Camera apparatus. No. 1,055,539; Mar. 11; Gaz. vol. 188; p. 333.
- Jones, Harry R., E. L. Hang, and J. McConnell, assignors to The United Steel Company, Canton, Ohio. Making steel bars. No. 1,060,764; May 6; Gaz. vol. 190; p. 69.
- Jones, Harry S. (See Jones, William G., assignor.)
- Jones, Helena J. and F. T., assignors to The Jones Safety Train Control System Company, Baltimore, Md. Electric signal for railways. No. 1,063,691; June 3, Gaz. vol. 191; p. 181.
- Jones, Hermon M., assignor of one-half to J. P. Pulliam, R. H. Middlekauff, and H. Beech, Lyons, Kans. Seal for sacks. No. 1,067,741; July 15; Gaz. vol. 192; p. 698.

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- Jones, Howard C., and C. M. Weeks, Somerville, Mass. Safety lamp plug and socket. No. 1,062,920; May 27; Gaz. vol. 190; p. 914.
- Jones, Hugh F., and W. D. Blythe, Los Angeles, Cal. Apparatus for disinfecting mattresses. No. 1,052,828; Feb. 11; Gaz. vol. 187; p. 369.
- Jones, Isaac, Cheyenne, Wyo. Treating oil-soaked waste. No. 1,051,116; Jan. 21; Gaz. vol. 186; p. 684.
- Jones, Isaac, Cheyenne, Wyo. Slack-adjuster. No. 1,057,739; Apr. 1; Gaz. vol. 189; p. 117.
- Jones, Ivor W., Birmingham, Ala. Mine-car wheel. No. 1,051,892; Feb. 4; Gaz. vol. 187; p. 15.
- Jones, J. W. (See Brown, Minnie A., assignor.)
- Jones, Jacob M. (See Lipscomb, Sylvester G., assignor.)
- Jones, James A., South Chicago, Ill. Burner. No. 1,053,292; Feb. 18; Gaz. vol. 187; p. 572.
- Jones, James E., Richmond, Ind. Pipe or shaft hanger. No. 1,075,356; Oct. 14; Gaz. vol. 195; p. 292.
- Jones, James M., Hamilton, Ontario, Canada, assignor to Nye Company, Buffalo, N. Y. Self-adjusting support for circular-saw and shaper guards. No. 1,054,558; Feb. 25; Gaz. vol. 187; p. 1039.
- Jones, James T., Brookwood, Ala. Shaft attachment. No. 1,078,731; Nov. 18; Gaz. vol. 196; p. 577.
- Jones, Jessie L., Maricopa, Cal. Can. No. 1,063,883; June 3; Gaz. vol. 191; p. 243.
- Jones, John. (See McCanna, John, assignor.)
- Jones, John A. (See Jones, Emil J., assignor.)
- Jones, John A., Hillsdale, N. Y. Fastener for bottles, jars, and other vessels. No. 1,074,437; Sept. 30; Gaz. vol. 194; p. 1069.
- Jones, John B., Brooklyn, N. Y. Rivet-catching receptacle. No. 1,057,555; Apr. 1; Gaz. vol. 189; p. 54.
- Jones, John C., *et al.* (See Gamble, Joseph W., assignor.)
- Jones, John C., J. W. Gamble, and H. E. Sibson, assignors to Harrison Safety Boiler Works, Philadelphia, Pa. Water-heating apparatus. No. 1,078,623; Nov. 18; Gaz. vol. 196; p. 538.
- Jones, John D., Walla Walla, Wash. Hub. (Reissue.) No. 13,654; Dec. 9; Gaz. vol. 197; p. 502.
- Jones, John E. (See Dubois, Novario, and Jones.)
- Jones, John J. (See Rishebegar and Jones.)
- Jones, John P. (See Digweed, Richard G., assignor.)
- Jones, John P., Greenup, Ill. Combined cultivator and cotton-chopper. No. 1,066,911; July 8; Gaz. vol. 192; p. 380.
- Jones, Joseph F., assignor to The Porcupine Water Heater Company, Cleveland, Ohio. Water-heater. No. 1,077,609; Nov. 4; Gaz. vol. 196; p. 127.
- Jones, Joseph W., assignor, by mesne assignments, to Knickerbocker Trust Company, trustee, New York, N. Y. Taximeter. No. 1,059,050; Apr. 15; Gaz. vol. 189; p. 652.
- Jones, Joshua J., Pittsburgh, Pa. Safety device for elevators. No. 1,050,949; Jan. 21; Gaz. vol. 186; p. 626.
- Jones, Joshua J., Schenectady, N. Y. Joint for locomotive exhaust-pipes. No. 1,076,289; Oct. 21; Gaz. vol. 195; p. 639.
- Jones, Joshua J., Pittsburgh, Pa., assignor, by mesne assignments, to Union Draft Gear Company. Draw-gear and buffing apparatus. No. 1,072,470; Sept. 9; Gaz. vol. 194; p. 301.
- Jones, Kate W. (See Jones, William H. and K. W.)
- Jones, Laban E., Anaconda, Mont. Sampler-operating device. No. 1,079,010; Nov. 18; Gaz. vol. 196; p. 674.
- Jones & Lamson Machine Company. (See Hartness and Perry, assignors.)
- Jones, Laurence E., Bridgeport, Tex. Lace-rack. No. 1,074,796; Oct. 7; Gaz. vol. 195; p. 72.
- Jones, Lee B., Kansas City, Mo. Electric distribution system. No. 1,081,749; Dec. 16; Gaz. vol. 197; p. 691.
- Jones, Lenora H., Wichita, assignor of one-fourth to J. C. Brown, Sedgwick, Kans. Magnetic basket-ball game. No. 1,064,914; June 17; Gaz. vol. 191; p. 662.
- Jones, Leon J., London, England. Splash-preventer. No. 1,049,727; Jan. 7; Gaz. vol. 186; p. 139.
- Jones, Lyman M., and R. H. Verity, assignors to Massey-Harris Co. Ltd., Toronto, Ontario, Canada. Lifting device of mower cutter-bars. No. 1,077,351; Nov. 4; Gaz. vol. 196; p. 38.
- Jones, Martin A., Oglesby, Tex. Cotton-chopper. No. 1,059,470; Apr. 22; Gaz. vol. 189; p. 834.
- Jones, Moses, South Mills, N. C. Combined heating and cooking stove. No. 1,061,959; May 13; Gaz. vol. 190; p. 510.
- Jones, Norwood L., Temperanceville, Va. Tire-heating forge. No. 1,067,817; July 22; Gaz. vol. 192; p. 757.
- Jones, Oscar S., Utica, N. Y. Indicator. No. 1,075,038; Oct. 7; Gaz. vol. 195; p. 155.
- Jones, Oscar S., Utica, assignor of seventeen one-hundredths to C. K. Getchell, seventeen one-hundredths to C. D. Getchell, and seventeen one-hundredths to C. F. Frank. Schenectady, N. Y. Toy gun. No. 1,063,803; June 3; Gaz. vol. 191; p. 218.
- Jones, Oscar W., Temple, Tex. Track-oiling device. No. 1,054,000; Feb. 25; Gaz. vol. 187; p. 851.
- Jones, Pearl N., Pittsburgh, Pa. Door-operating mechanism. No. 1,061,298; May 13; Gaz. vol. 190; p. 287.
- Jones, Pearl N., Pittsburgh, Pa. Electric-motor control. No. 1,061,299; May 13; Gaz. vol. 190; p. 287.
- Jones, Pearl N., Pittsburgh, Pa. Passenger-car. No. 1,061,750; May 13; Gaz. vol. 190; p. 444.
- Jones, Ralph A. (See Mitchell and Jones.)
- Jones, Ralph E., U. S. Army. Shower-bath pail. No. 1,078,355; Nov. 11; Gaz. vol. 196; p. 417.
- Jones Razor and Manufacturing Company. (See Jones, Floyd D., assignor.)
- Jones, Richard E. (See Dexter and Jones.)
- Jones, Richard E., Pearl River, N. Y., assignor to Dexter Folder Company. Paper-feeding machine. No. 1,062,336; May 20; Gaz. vol. 190; p. 680.
- Jones, Richard E., assignor to Dexter Folder Company, Pearl River, N. Y. Sheet-separating mechanism for paper-feeding machines. No. 1,063,037; May 27; Gaz. vol. 190; p. 952.
- Jones, Richard E., Pearl River, N. Y., assignor to Dexter Folder Company. Paper-feeding machine. No. 1,063,038; May 27; Gaz. vol. 190; p. 952.
- Jones, Richard H., Chicago, Ill. Talking-machine needle. No. 1,058,754; Apr. 15; Gaz. vol. 189; p. 548.
- Jones, Richard T. and F. T., assignors to The Jones Safety Train Control System Company, Baltimore, Md. Train-controlling mechanism. No. 1,077,937; Nov. 4; Gaz. vol. 196; p. 239.
- Jones, Robert C., Brooklyn, N. Y. Electric burglar-alarm device. No. 1,052,724; Feb. 11; Gaz. vol. 187; p. 331.
- Jones, Robert M., Denver, Colo. Loom for weaving reticulate reinforcements. No. 1,058,982; Apr. 15; Gaz. vol. 189; p. 629.
- Jones, Robert M., Denver, Colo. Machine for constructing poles, piles, or columns of plastic material. No. 1,064,740; June 17; Gaz. vol. 191; p. 608.
- Jones, Robert M., Denver, Colo. Machine for forming poles, piles, and pipes of plastic material. No. 1,064,741; June 17; Gaz. vol. 191; p. 608.
- Jones, Robert M., Denver, Colo. Forming and making concrete poles, piles, and columns. No. 1,064,742; June 17; Gaz. vol. 191; p. 609.
- Jones, Robert M., Denver, Colo. Pole, pile, and column of reinforced concrete. No. 1,065,529; June 24; Gaz. vol. 191; p. 906.
- Jones Safety Train Control System Company, The. (See Jones, Frank T., assignor.)
- Jones Safety Train Control System Company, The. (See Jones, Helena J. and F. T., assignors.)
- Jones Safety Train Control System Company, The. (See Jones, Richard T. and F. T., assignors.)
- Jones, Samuel F., Thayer, Kans. Embalmer's instrument. No. 1,071,429; Aug. 26; Gaz. vol. 193; p. 900.
- Jones, Samuel H. (See Smith, Frank H., assignor.)
- Jones, Samuel H., Altus, Okla. Moving-picture screen. No. 1,082,123; Dec. 23; Gaz. vol. 197; p. 847.
- Jones, Sanford C., Marion, Ind. Vending-machine. No. 1,080,833; Dec. 9; Gaz. vol. 197; p. 352.
- Jones, Sherman J., Chicago, Ill. Window-cleaner. No. 1,065,812; June 24; Gaz. vol. 191; p. 1001.
- Jones Signal System Company. (See Jones, Elmer M., assignor.)
- Jones, Starky D., Georgetown, Colo. Lubricator. No. 1,074,867; Oct. 7; Gaz. vol. 195; p. 94.
- Jones, Sylvester H., Richmond, Ind., assignor to The American Seeding Machine Company, Springfield, Ohio. Bearing. No. 1,082,084; Dec. 23; Gaz. vol. 197; p. 835.
- Jones, Sylvester H., Richmond, Ind., and E. Christman, Louisville, Ky., assignors to The American Seeding Machine Company, Springfield, Ohio. Seeding-machine. No. 1,051,958; Feb. 4; Gaz. vol. 187; p. 39.
- Jones, Thomas E., Dome, Ariz. Automatic fuse-block and relay protector. No. 1,054,559; Feb. 25; Gaz. vol. 187; p. 1040.
- Jones, Thomas T., *et al.* (See Difio, Harry, assignor.)
- Jones, Walter, New York, N. Y. Window-cleaner. No. 1,055,918; Mar. 11; Gaz. vol. 188; p. 459.
- Jones, Walter A., Columbus, Ohio. Glass-drawing apparatus. No. 1,050,544; Jan. 14; Gaz. vol. 186; p. 454.
- Jones, Walter A., Columbus, Ohio. Glass-drawing apparatus. No. 1,054,001; Feb. 25; Gaz. vol. 187; p. 851.
- Jones, William A., Sharon, and W. A. Minehan, Sharpsville, Pa. Locomotive attachment. No. 1,078,624; Nov. 18; Gaz. vol. 196; p. 538.
- Jones, William D., Vinton, Ohio. Land-marker. No. 1,067,345; July 15; Gaz. vol. 192; p. 565.
- Jones, William F., Dialville, Tex. Bumper for log-wagons. No. 1,079,859; Nov. 25; Gaz. vol. 196; p. 997.
- Jones, William G., assignor of one-half to H. S. Jones, Chicago, Ill. Binder-lock. No. 1,070,691; Aug. 19; Gaz. vol. 193; p. 621.
- Jones, William H., Chicago, Ill. Brake apparatus. No. 1,072,123; Sept. 2; Gaz. vol. 194; p. 155.
- Jones, William H., Manhattan Beach, assignor to Universal Mail Dispatcher Company, Los Angeles, Cal. Receiving and delivering mechanism for mail-bags. No. 1,050,278; Jan. 14; Gaz. vol. 186; p. 359.
- Jones, William H., Manhattan Beach, assignor to Universal Mail Dispatcher Company, Los Angeles, Cal. Mail-bag ring. No. 1,075,212; Oct. 7; Gaz. vol. 195; p. 215.
- Jones, William H. and K. W., Neenah, Wis. Dish-washer. No. 1,050,467; Jan. 14; Gaz. vol. 186; p. 426.

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- Jones, William J., Minneapolis, Minn. Curtain and shade support. No. 1,073,074; Sept. 9; Gaz. vol. 194; p. 516.
- Jones, William J., Martinsville, Va. Resilient wheel. No. 1,080,834; Dec. 9; Gaz. vol. 197; p. 352.
- Jones, William L., Atlanta, Ga. Composition for making brick. No. 1,054,002; Feb. 25; Gaz. vol. 187; p. 851.
- Jones, William S., Meadville, Pa. Gas mixer and regulator. No. 1,078,584; Nov. 11; Gaz. vol. 196; p. 492.
- Jones, William T., assignor to The Edmunds & Jones Mfg. Co., Detroit, Mich. Lamp. No. 1,058,181; Apr. 8; Gaz. vol. 189; p. 315.
- Jones, William T., assignor to The Edmunds & Jones Mfg. Co., Detroit, Mich. Lamp-door fastener. No. 1,060,189; Apr. 29; Gaz. vol. 189; p. 1114.
- Jones, William T., assignor to Edmunds & Jones Mfg. Co., Detroit, Mich. Oil-burner fastener and splash-preventer. No. 1,073,689; Sept. 23; Gaz. vol. 194; p. 789.
- Jones, William W., Toledo, Ohio. Motor-truck. No. 1,057,844; Apr. 1; Gaz. vol. 189; p. 154.
- Jones, Wilson P., Birmingham, Ala. Combination display-stand and counter. No. 1,073,138; Sept. 16; Gaz. vol. 194; p. 573.
- Jones, Wyatt A. O., Bentonville, Ark., assignor of one-half to J. A. Milligan. Railway-tie. No. 1,069,142; Aug. 5; Gaz. vol. 193; p. 18.
- Jones, Zachariah F., Scottsville, Va. Fire-box and grate. No. 1,059,164; Apr. 15; Gaz. vol. 189; p. 691.
- Jones, Zachariah F., Scottsville, Va. Safety device for guns. No. 1,070,965; Aug. 19; Gaz. vol. 193; p. 710.
- Joneson, John H., Brandon, S. D. Draft-equalizer. No. 1,056,743; Mar. 18; Gaz. vol. 188; p. 778.
- Jons, Claus H., administrator. (See Schwene, William.)
- Jonsson, Gustaf E., Norrköping, assignor to Aktiebolaget Sons Bruk, Stockholm, Sweden. Motor-plow. No. 1,060,095; Apr. 29; Gaz. vol. 189; p. 1081.
- Joor Engineering Company. (See Joor, Samuel F., assignor.)
- Joor, Samuel F., Morgan Park, Ill., assignor to The Jeffrey Manufacturing Company, Columbus, Ohio. Conveyor. No. 1,057,556; Apr. 1; Gaz. vol. 189; p. 54.
- Joor, Samuel F., Chicago, Ill., assignor to Joor Engineering Company. Supporting-idler for belt conveyers. No. 1,059,965; Apr. 22; Gaz. vol. 189; p. 995.
- Joplin Novelty Manufacturing Company. (See Moon and Odell, assignors.)
- Jordan, Abraham I., New York, N. Y. Catamenial device. No. 1,064,836; June 17; Gaz. vol. 191; p. 638.
- Jordan Brothers. (See Sands, Walter E., assignor.)
- Jordan, Charles H., New York, N. Y. Marble-surfacing machine. No. 1,081,836; Dec. 16; Gaz. vol. 197; p. 723.
- Jordan, Daniel P., Burns, Oreg. Boring-machine. No. 1,079,650; Nov. 25; Gaz. vol. 196; p. 923.
- Jordan, Elmer C., Sacramento, Cal. Automatic needle-feeder for phonographs. No. 1,060,551; Apr. 29; Gaz. vol. 189; p. 1242.
- Jordan, Henry C., assignor of one-half to N. Anderson, Seattle, Wash. Liquid-fuel burner. No. 1,059,611; Apr. 22; Gaz. vol. 189; p. 879.
- Jordan, James S., Staunton, Va. Automatic hen's nest. No. 1,049,728; Jan. 7; Gaz. vol. 186; p. 139.
- Jordan, Jasper O., et al. (See Patrick, James H., assignor.)
- Jordan, Perry R., and W. Wright, Adamsville, Ala. Coke-loader. No. 1,072,731; Sept. 9; Gaz. vol. 194; p. 391.
- Jordan, Theodore W., Milwaukee, Wis. Trolling device. No. 1,081,837; Dec. 16; Gaz. vol. 197; p. 724.
- Jordan, Thomas A., Ponca, Okla. Kafir-corn header. No. 1,053,401; Feb. 18; Gaz. vol. 187; p. 609.
- Jordan, Thomas N., Long Beach, Miss. Spring-wheel. No. 1,064,837; June 17; Gaz. vol. 191; p. 639.
- Jordan, Wesley E., Erie, Pa. Detachable burner-bowl. No. 1,056,796; Mar. 25; Gaz. vol. 188; p. 824.
- Jörg, Paul. (See Maag and Jörg.)
- Jorgensen, Alexander, assignor to W. E. Fox, New York, N. Y. Dust-collector and the like. No. 1,056,552; Mar. 18; Gaz. vol. 188; p. 712.
- Jorgensen, John S., assignor of one-half to M. Miller, Reno, Nev. Airship. No. 1,068,501; July 29; Gaz. vol. 192; p. 1029.
- Jørgensen, Rudolf W. D., Moseby, Falster, Denmark. Restraining-harness. No. 1,067,346; July 15; Gaz. vol. 192; p. 565.
- Jørgensen, Walter, assignor to Aktiebolaget Separator, Stockholm, Sweden. Spring-cushioned bearing. No. 1,060,000; Apr. 29; Gaz. vol. 189; p. 1051.
- Jorgenson, Edward C. (See Carman, William, assignor.)
- Jorgenson, Nels P., Waterloo, assignor of one-half to J. Goulette, Mason City, Iowa. Conveyor. No. 1,074,182; Sept. 30; Gaz. vol. 194; p. 984.
- Jorgenson, Peter, Chicago, Ill. Superheating steam-generator. No. 1,075,151; Oct. 7; Gaz. vol. 195; p. 194.
- Jorgenson, Peter, Chicago, Ill. Rotary engine. No. 1,075,152; Oct. 7; Gaz. vol. 195; p. 194.
- Joseph Baker & Sons et al. (See Nunneley, George A., assignor.)
- Joseph Campbell Company. (See Dorrance, John T., assignor.)
- Joseph, Carl, Bayonne, N. J. Fastener. No. 1,050,279; Jan. 14; Gaz. vol. 186; p. 359.
- Joseph, Carl, Bayonne, N. J. Fastener. No. 1,051,893; Feb. 4; Gaz. vol. 187; p. 16.
- Joseph, Carl, Bayonne, N. J. Bolt-anchor. No. 1,066,500; July 8; Gaz. vol. 192; p. 237.
- Joseph, Joseph, Cleveland, Ohio. Polishing-wheel. No. 1,080,561; Dec. 9; Gaz. vol. 197; p. 256.
- Joseph, Lew. (See Lomborg, Arthur, assignor.)
- Joseph Reid Gas Engine Company. (See Platt, Wilber O., assignor.)
- Joseph Reid Gas Engine Company. (See Platt and Reid, assignors.)
- Joseph T. Ryerson & Son. (See Winn, Charles F., assignor.)
- Joshua Hendry Iron Works. (See Hutchinson, Charles T., assignor.)
- Josleyn, Hubbard N., assignor to The Monarch Typewriter Company, Syracuse, N. Y. Type-writing machine. No. 1,050,545; Jan. 14; Gaz. vol. 186; p. 454.
- Josleyn, Hubbard N., assignor to The Monarch Typewriter Company, Syracuse, N. Y. Type-writing machine. No. 1,054,847; Mar. 4; Gaz. vol. 188; p. 67.
- Josse, Emil, Charlottenburg, Germany. Turbine. No. 1,072,953; Sept. 9; Gaz. vol. 194; p. 473.
- Josse, Emil, Berlin, and P. Christlein, Charlottenburg, Germany. Multistage turbine. No. 1,062,471; May 20; Gaz. vol. 190; p. 724.
- Josse, Emil, Berlin, and P. Christlein, Charlottenburg, Germany. Elastic-fluid turbine. No. 1,073,421; Sept. 16; Gaz. vol. 194; p. 674.
- Joswich, Felix, St. Paul, Minn. Internal-combustion engine. No. 1,069,432; Aug. 5; Gaz. vol. 193; p. 121.
- Jourdan, William, Chicago, Ill. Twine holder and fastener. No. 1,071,159; Aug. 26; Gaz. vol. 193; p. 809.
- Joy, Sam S., Newmarket, N. H. Puzzle. No. 1,050,141; Jan. 14; Gaz. vol. 186; p. 313.
- Joyce, John L., Townsville, N. C. Saw-guide. No. 1,055,182; Mar. 4; Gaz. vol. 188; p. 176.
- Joyce, John L., Townsville, N. C. Rotary-saw guide. No. 1,064,336; June 10; Gaz. vol. 191; p. 433.
- Joyce, Michael, Jr., Burdette, S. D. Device to trim horses' hoofs. No. 1,067,658; July 15; Gaz. vol. 192; p. 670.
- Joyce, Robert A., Independence, Kans. Seed-planter. No. 1,063,127; May 27; Gaz. vol. 190; p. 982.
- Joyce, William, et al. (See McAllister, John E., assignor.)
- Joyner, John A. (See Faust and Joyner.)
- Joyner, Lanson B., Washington, La. Rail-joint. No. 1,070,481; Aug. 19; Gaz. vol. 193; p. 551.
- Joyner, Miles D., Savannah, Ga. Cross-head. No. 1,061,179; May 6; Gaz. vol. 190; p. 211.
- Joyner, Robert J., Nashville, Tenn. Railway-ticket book. No. 1,069,618; Aug. 5; Gaz. vol. 193; p. 182.
- Juberg, Eskil, San Francisco, Cal. Scull-propeller. No. 1,068,665; July 29; Gaz. vol. 192; p. 1086.
- Jubien, Pierre, San Francisco, assignor of one-half to P. A. Brangier, Agnew, Cal. Ore and like separating means. No. 1,072,732; Sept. 9; Gaz. vol. 194; p. 391.
- Juda, Simon F., New York, N. Y. Reversible skirt. No. 1,076,124; Oct. 21; Gaz. vol. 195; p. 583.
- Judd & Leland Mfg. Co. (See Hill, Charles D., assignor.)
- Judelshon, Oscar I., New York, N. Y. Fabric-winding machine. No. 1,064,337; June 10; Gaz. vol. 191; p. 433.
- Judelson, Julius, New York, N. Y. Clothes-drier. No. 1,065,530; June 24; Gaz. vol. 191; p. 906.
- Judelson, Louis, New York, N. Y. Laundry machinery. No. 1,072,617; Sept. 9; Gaz. vol. 194; p. 352.
- Judge, Joseph, Pittston, Pa. Automatic brake-valve mechanism for cars. No. 1,059,876; Apr. 22; Gaz. vol. 189; p. 965.
- Judge, Thomas A. (See Davies and Judge.)
- Judia, George H., Cisco, Tex. Hat-pin guard. No. 1,078,683; Nov. 18; Gaz. vol. 196; p. 560.
- Judia, George H., assignor of one-fourth to W. P. Pulley, Cisco, Tex. Freight-car door. No. 1,076,984; Oct. 28; Gaz. vol. 195; p. 938.
- Judsen, Carl A., Chicago, Ill. Hoof-pad. No. 1,060,096; Apr. 29; Gaz. vol. 189; p. 1082.
- Judson, Champion H., Dobbs Ferry, N. Y. Milking-machine. No. 1,060,261; Apr. 29; Gaz. vol. 189; p. 1139.
- Judson L. Thomson Mfg. Co. (See Havener, Arthur R., assignor.)
- Juengst, Charles A., Croton Falls, N. Y. Signature-gathering machine. No. 1,049,492; Jan. 7; Gaz. vol. 186; p. 58.
- Juengst, Charles A., Croton Falls, N. Y. Machine for feeding sheets to folders, presses, &c. No. 1,055,639; Mar. 11; Gaz. vol. 188; p. 366.
- Juengst, Charles A., Croton Falls, N. Y. Signature-gathering or other machine. No. 1,068,778; July 29; Gaz. vol. 192; p. 1125.
- Juengst, Charles A., Croton Falls, N. Y. Signature-gathering machine. No. 1,071,555; Aug. 26; Gaz. vol. 193; p. 941.
- Jufe, Joseph E., New York, N. Y. Cloth-laying machine. No. 1,055,183; Mar. 4; Gaz. vol. 188; p. 177.
- Juhász, József, Unity Station, Pa. Rail-joint. No. 1,053,293; Feb. 18; Gaz. vol. 187; p. 572.

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- Julian, Stanislaus, London, England. Distance gas-lighting. No. 1,054,646; Feb. 25; Gaz. vol. 187; p. 1070.
- Julien, Bartholomew, Omaha, Nebr. Cable-connector. No. 1,059,165; Apr. 15; Gaz. vol. 189; p. 691.
- Julien, Bartholomew, Omaha, Nebr., assignor to Grip Nut Company, Chicago, Ill. Sliding-door fastener. No. 1,053,826; Feb. 18; Gaz. vol. 187; p. 754.
- Julien, Ernest E., assignor of two-thirds to Z. P. Watkins and J. H. Stone, Watseka, Ill. Resilient wheel. No. 1,050,950; Jan. 21; Gaz. vol. 186; p. 627.
- Julien, Sven A., Chicago, Ill. Clothes-line reel. No. 1,082,637; Dec. 30; Gaz. vol. 197; p. 1059.
- Julier, Camilla, Davenport, Iowa. Car-fender. No. 1,053,827; Feb. 18; Gaz. vol. 187; p. 754.
- Julius, George A., Woollahra, near Sydney, New South Wales, Australia. Apparatus for printing and issuing tickets or checks of different denominations and for registering and totaling numbers and indicating the totals. No. 1,082,957; Dec. 30; Gaz. vol. 197; p. 1170.
- Julius, Paul, and C. Immerheiser, assignors to Badische Anilin & Soda Fabrik, Ludwigshafen-on-the-Rhine, Germany. Azo dye. No. 1,073,902; Sept. 23; Gaz. vol. 194; p. 862.
- Julius, Paul, and C. Immerheiser, assignors to Badische Anilin & Soda Fabrik, Ludwigshafen-on-the-Rhine, Germany. Azo dye. No. 1,073,903; Sept. 23; Gaz. vol. 194; p. 862.
- Julius, Paul, and C. Immerheiser, assignors to Badische Anilin & Soda Fabrik, Ludwigshafen-on-the-Rhine, Germany. Azo dye. No. 1,073,904; Sept. 23; Gaz. vol. 194; p. 862.
- Julius, Paul, and C. Immerheiser, assignors to Badische Anilin & Soda Fabrik, Ludwigshafen-on-the-Rhine, Germany. Azo dye. No. 1,073,905; Sept. 23; Gaz. vol. 194; p. 862.
- June, Lenthel C., Great Bend, Pa. Lamp attachment. No. 1,054,209; Feb. 25; Gaz. vol. 187; p. 922.
- Jung, Carl, Lorch-on-the-Rhine, Germany. De-alcoholizing beverages. No. 1,071,238; Aug. 26; Gaz. vol. 193; p. 837.
- Junge, Emil, New York, N. Y. Credential-carrying case. No. 1,059,735; Apr. 22; Gaz. vol. 189; p. 920.
- Jungers, Clement J., Streator, Ill. Making wire-glass. No. 1,062,013; May 20; Gaz. vol. 190; p. 570.
- Jungers, Clement J., Streator, Ill. Apparatus for making wire-glass. No. 1,064,146; June 10; Gaz. vol. 191; p. 369.
- Junggren, Oscar, Schenectady, N. Y., assignor to General Electric Company. Governing mechanism for mixed-pressure turbines. No. 1,060,001; Apr. 29; Gaz. vol. 189; p. 1051.
- Junggren, Oscar, Schenectady, N. Y., assignor to General Electric Company. Diaphragm and nozzle construction for turbines. No. 1,061,675; May 13; Gaz. vol. 190; p. 419.
- Junggren, Oscar, Schenectady, N. Y., assignor to General Electric Company. Elastic-fluid turbine. No. 1,063,692; June 3; Gaz. vol. 191; p. 182.
- Junghans, Arthur, Schramberg, Germany. Mechanical time-fuse. No. 1,069,094; July 29; Gaz. vol. 192; p. 1237.
- Jungjohann, Henry, Davenport, Iowa. Wick raising and lowering device. No. 1,074,868; Oct. 7; Gaz. vol. 195; p. 95.
- Junkers, Hugo, Aix-la-Chapelle, Germany. Combustion-engine. No. 1,077,718; Nov. 4; Gaz. vol. 196; p. 163.
- Junkin, Henry H. (See Edwards and Junkin.)
- Junkin, Leuellin O., Starkville, Miss. Cow-tail holder. No. 1,057,845; Apr. 1; Gaz. vol. 189; p. 154.
- Junn, Frank B., Sharon, Pa. Game apparatus. No. 1,072,954; Sept. 9; Gaz. vol. 194; p. 474.
- Jury, Ruben, assignor of one-third to W. Wakefield and one-third to A. L. Gillam, Sandusky, Mich. Dipper-excavator. No. 1,076,676; Oct. 28; Gaz. vol. 195; p. 829.
- Just, Lulu L., La Salle, Ill. Dress-shield. No. 1,078,443; Nov. 11; Gaz. vol. 196; p. 447.
- Just Process Company. (See Robacher, William W., assignor.)
- Justen, Bernard, Tampa, Fla. Wooden packing-case. No. 1,077,834; Nov. 4; Gaz. vol. 196; p. 203.
- Justrite Mfg. Co., The. (See Hansen, Augie L., assignor.)
- Jutrash, Frank. (See Harrington and Jutrash.)
- Juzek, Thomas J., Elgin, Ill. Gage for watches. No. 1,058,755; Apr. 15; Gaz. vol. 189; p. 548.
- K. Kaufmann & Co. (See Kaufmann, Ary, assignor.)
- K Nut Co. (See Maher, Eugene E., assignor.)
- K-D Motor Company. (See Knight, Margaret E., assignor.)
- K-P-F-Electric Co. (See Kalenborn and Pahl, assignors.)
- K-P-F-Electric Co. (See Pahl, August J., assignor.)
- Kaba, Charles P. (See Pelham and Kaba.)
- Kabo Corset Company. (See Brown, Arnold V., assignor.)
- Kachel, Charles M. (See Heckel, Kachel, Goessling, and Pank.)
- Kade, Bertha, administratrix. (See Kade, Otto C.)
- Kade, Charles F., assignor to A. F. Winter, Sheboygan, Wis. Drawer or bin. No. 1,052,484; Feb. 11; Gaz. vol. 187; p. 252.
- Kade, Otto C., deceased, Chicago, Ill.; B. Kade, administratrix, assignor to herself. Refreshment-table. No. 1,073,762; Sept. 23; Gaz. vol. 194; p. 815.
- Kadel, Byers W., Roanoke, Va. Door-operating mechanism for dump-cars. No. 1,071,750; Sept. 2; Gaz. vol. 194; p. 28.
- Kadow, Otto F., assignor of one-third to J. B. Hull and one-third to H. E. Smith, Cleveland, Ohio. Combined filter and sediment-trap. No. 1,075,576; Oct. 14; Gaz. vol. 195; p. 368.
- Kaehn, Henry B., Lookout, Okla. Rail-joint. No. 1,061,751; May 13; Gaz. vol. 190; p. 444.
- Kaehr, Arthur M., assignor of one-half to F. Mindorfer, Dubuque, Iowa. Tooth. No. 1,075,979; Oct. 14; Gaz. vol. 195; p. 505.
- Kaempf, Frederick O., Toronto, Ontario, Canada. Treating bitumen or bitulithic materials. No. 1,077,081; Oct. 28; Gaz. vol. 195; p. 971.
- Kaempfer, Isabella, New York, N. Y. Protective container for dry batteries. No. 1,066,280; July 1; Gaz. vol. 192; p. 135.
- Kaessmann, Frederick D. J., Coffeyville, Kans. Gas generator and compressor. No. 1,079,011; Nov. 18; Gaz. vol. 196; p. 674.
- Kahlo, Leo J., and R. B. Cameron, Defiance, Ohio. Lamp. No. 1,083,214; Dec. 30; Gaz. vol. 197; p. 1250.
- Kahn, Fernando H., San Francisco, Cal. Lens-fastening for eyeglasses. No. 1,067,522; July 15; Gaz. vol. 192; p. 624.
- Kahn, Jacques. (See Maximilian, Ferdinand, assignor.)
- Kahn, Julius, Detroit, Mich. Floor construction. No. 1,073,906; Sept. 23; Gaz. vol. 194; p. 862.
- Kahn, Julius, Detroit, Mich. Sash hanging and operating mechanism. No. 1,079,497; Nov. 25; Gaz. vol. 196; p. 870.
- Kahn, Julius, assignor to Trussed Concrete Steel Company, Detroit, Mich. Expanded metal. No. 1,050,837; Jan. 21; Gaz. vol. 186; p. 585.
- Kahn, Julius, assignor to Trussed Concrete Steel Company, Detroit, Mich. Concrete floor construction. No. 1,074,953; Oct. 7; Gaz. vol. 195; p. 124.
- Kahn, Myrtill, and A. Ossenbeck, assignors to Farbenfabriken vorm. Friedr. Bayer & Co., Elberfeld, Germany. Dyeing. No. 1,060,002; Apr. 29; Gaz. vol. 189; p. 1051.
- Kahn, Myrtill, and A. Ossenbeck, assignors to Farbenfabriken vorm. Friedr. Bayer & Co., Elberfeld, Germany. Dye-bath. No. 1,060,097; Apr. 29; Gaz. vol. 189; p. 1082.
- Kahn, Myrtill, and A. Ossenbeck, assignors to Farbenfabriken vorm. Friedr. Bayer & Co., Elberfeld, Germany. Dyeing. No. 1,060,342; Apr. 29; Gaz. vol. 189; p. 1051.
- Kahn, Myrtill, and A. Ossenbeck, assignors to Farbenfabriken vorm. Friedr. Bayer & Co., Elberfeld, Germany. Black mordant monoazo dyestuff. No. 1,078,925; Nov. 18; Gaz. vol. 196; p. 643.
- Kahn, Myrtill, and A. Ossenbeck, assignors to Farbenfabriken vorm. Friedr. Bayer & Co., Elberfeld, Germany. Blue azo dyes. No. 1,078,926; Nov. 18; Gaz. vol. 196; p. 644.
- Kahn, Regina, Milwaukee, Wis. Gas-igniter. No. 1,066,622; July 8; Gaz. vol. 192; p. 280.
- Kahn, Regina, Milwaukee, Wis. Gas-igniter. No. 1,066,623; July 8; Gaz. vol. 192; p. 281.
- Kahn, Samuel. (See Tuteur, Charles, assignor.)
- Kahn, Theodore, Jennings, La. Garment-weight. No. 1,062,403; May 20; Gaz. vol. 190; p. 702.
- Kahrs, Christen H., Christiania, Norway. Trawling-net. No. 1,061,082; May 6; Gaz. vol. 190; p. 179.
- Kahrs, Friman, deceased, East Haddam, Conn.; M. Kahrs, executrix. Viscosimeter. No. 1,062,159; May 20; Gaz. vol. 190; p. 621.
- Kahrs, Marie, executrix. (See Kahrs, Friman.)
- Kaibel, Burkhardt, Darmstadt, Germany. Apparatus for separating deposited matter from liquids. No. 1,077,476; Nov. 4; Gaz. vol. 196; p. 84.
- Kail, Arthur C., U. S. Navy. Navigating-compass rule. No. 1,050,029; Jan. 7; Gaz. vol. 186; p. 241.
- Kail, Jackson L., assignor to The Winslow Bros. Company, Chicago, Ill. Door-hanger. No. 1,069,261; Aug. 5; Gaz. vol. 193; p. 62.
- Kaiser, Andrew, De Kalb, Ill. Eaves-trough clamp. No. 1,051,416; Jan. 28; Gaz. vol. 186; p. 817.
- Kaiser, Charles A., assignor to B. Beecher, Philadelphia, Pa. Suction-creating pump for cleaning and scrubbing machines. No. 1,049,729; Jan. 7; Gaz. vol. 186; p. 140.
- Kaiser, Emil, Jacksonville, Fla. Cabinet. No. 1,052,591; Feb. 11; Gaz. vol. 187; p. 287.
- Kaiser, Frank H. (See Clemens, John G., assignor.)
- Kaiser, Frank H., Buffalo, N. Y. Refillable fuse-plug. No. 1,062,240; May 20; Gaz. vol. 190; p. 648.
- Kaiser, Herman. (See Derby and Kaiser.)
- Kaiser, Isidor, Baltimore, Md. Coat. No. 1,059,542; Apr. 22; Gaz. vol. 189; p. 858.
- Kaiser, Lipman. (See Cunnius, Alfred R., assignor.)

Alphabetical list of patentees—Continued

- Kaiser, Oliver B., Ramona, assignor of one-third to W. S. Ludlow and one-third to W. S. Ludlow, Jr., Cincinnati, Ohio. Alarm system. No. 1,073,582; Sept. 16; Gaz. vol. 194; p. 728.
- Kaiser, Paul G., Chicago, Ill. Pressure-operated deep-well pump. No. 1,074,797; Oct. 7; Gaz. vol. 195; p. 72.
- Kaisling, William, Chicago, Ill., assignor, by mesne assignments, to Kellogg Switchboard & Supply Company. Telephone-transmitter. No. 1,076,041; Oct. 21; Gaz. vol. 195; p. 554.
- Kako, Shintaro, San Francisco, Cal. Sad-iron. No. 1,065,873; June 24; Gaz. vol. 191; p. 1023.
- Kalb, Henry A. (See Turney and Kalb.)
- Kale, Joseph J. (See Miller, Kale, and Robinson.)
- Kale, Joseph J., and F. W. Miller, Sheldon, Iowa. Curtain-operating device. No. 1,054,560; Feb. 25; Gaz. vol. 187; p. 1040.
- Kalenborn, Arion S., and A. J. Pahl, San Francisco, Cal., assignors to K-P-F-Electric Co. High-tension disconnecting-switch. No. 1,081,671; Dec. 16; Gaz. vol. 197; p. 665.
- Kalina, Loeser, New York, N. Y. Garment-hanger. No. 1,049,867; Jan. 7; Gaz. vol. 186; p. 187.
- Kalina, Loeser, New York, N. Y. Safety-razor. No. 1,052,346; Feb. 4; Gaz. vol. 187; p. 171.
- Kalina, Loeser, New York, N. Y. Removable heel. No. 1,053,731; Feb. 18; Gaz. vol. 187; p. 724.
- Kalinowski, William J., and A. Peters, Baldwin, Wis. Shock-cord knotter. No. 1,052,592; Feb. 11; Gaz. vol. 187; p. 287.
- Kalischer, Georg, Mainkur, near Frankfort-on-the-Main, Germany, assignor to Cassella Color Company. Dyeing dyes and making same. No. 1,079,415; Nov. 25; Gaz. vol. 196; p. 842.
- Kalitzky, Wilhelmine, Hamburg, Germany. Collapsible clothes-horse. No. 1,073,763; Sept. 23; Gaz. vol. 194; p. 815.
- Kallam, Rose B. E., Rural Hall, N. C. Combined ribbon-holder and measuring device. No. 1,082,337; Dec. 23; Gaz. vol. 197; p. 923.
- Kallander, Oscar. (See Peterson, Charles A., assignor.)
- Kallbon, Walter M., assignor to American Motors Company, Indianapolis, Ind. Vehicle top-bow. No. 1,053,828; Feb. 18; Gaz. vol. 187; p. 755.
- Kalle & Company, Aktiengesellschaft. (See Paal and Amberger, assignors.)
- Kalle & Company, Aktiengesellschaft. (See Reinhardt, Heinrich, assignor.)
- Kallenbaugh, Charles W., and A. O. Johnson, Duquesne, Pa. Show-case. No. 1,068,062; July 22; Gaz. vol. 192; p. 839.
- Kallmann, Martin, deceased; P. Kallmann, Berlin, Germany, administratrix. Self-acting resistance for electric motors. No. 1,052,001; Feb. 4; Gaz. vol. 187; p. 53.
- Kallmann, Paula, administratrix. (See Kallmann, Martin.)
- Kalmbach, John E., Castlerock, Wash. Collar-button. No. 1,068,141; July 22; Gaz. vol. 192; p. 866.
- Kalms, Wilhelm, Mystic, Conn. Car-coupling. No. 1,066,733; July 8; Gaz. vol. 192; p. 320.
- Kalnasi, Andy, Forbes Road, Pa. Safety device for elevators. No. 1,081,312; Dec. 16; Gaz. vol. 197; p. 547.
- Kaltenbach, Ernest J. (See Kaltenbach, Robert W., assignor.)
- Kaltenbach, Frank J. (See Holland and Kaltenbach.)
- Kaltenbach, Robert W., Cleveland, Ohio, assignor of one-half to E. J. Kaltenbach, Brooklyn, N. Y. Carbureter. No. 1,072,733; Sept. 9; Gaz. vol. 194; p. 392.
- Kaltenbruner, Andrew. (See Baker, William F., assignor.)
- Kaltschmid, Karl, Jr., Oberriexingen-on-the-Enz, Germany. Vaporizer for liquid-fuel flat-irons. No. 1,052,925; Feb. 11; Gaz. vol. 187; p. 402.
- Kaltschmidt, Albert E., Detroit, Mich. Switch stand and lock. No. 1,081,750; Dec. 16; Gaz. vol. 197; p. 691.
- Kaminsky, Julius M., Indianapolis, Ind. Fluid-pressure regulator. No. 1,079,985; Dec. 2; Gaz. vol. 197; p. 23.
- Kammer, William, Leshara, Nebr. Tamper. No. 1,063,039; May 27; Gaz. vol. 190; p. 953.
- Kammerer, Jacob, New York, N. Y. Weather-strip. No. 1,059,612; Apr. 22; Gaz. vol. 189; p. 880.
- Kammerer, William, Los Angeles, Cal. Rotary drill-bit. No. 1,063,450; June 3; Gaz. vol. 191; p. 94.
- Kampe, John F., Brooklyn, N. Y. Divanette. No. 1,062,337; May 20; Gaz. vol. 190; p. 680.
- Kampfe Bros. (See Groschopp, Friedrich W., assignor.)
- Kampfe Bros. (See Kampfe, Otto, assignor.)
- Kampfe, Otto, New York, N. Y., assignor to Kampfe Bros. Safety-razor. No. 1,059,333; Apr. 15; Gaz. vol. 189; p. 749.
- Kamps, Ferdinand H. (See Deeney and Kamps.)
- Kampschmidt, S. L., et al. (See Linville, Arthur P., assignor.)
- Kanane, John J., assignor to Buffalo Draft Gear Company, Inc., Buffalo, N. Y. Draft-gear. No. 1,080,979; Dec. 9; Gaz. vol. 197; p. 400.
- Kando, Koloman de, Budapest, Austria-Hungary, assignor, by mesne assignments, to Westinghouse Machine Company. Electric traction system and motor to be used therewith. No. 1,050,468; Jan. 14; Gaz. vol. 186; p. 427.
- Kane, John N., and G. C. Bauman, Chicago, Ill.; said Kane assignor to Moser Paper Co. Automatic card cutting, counting, and packaging machine. No. 1,078,291; Nov. 11; Gaz. vol. 196; p. 393.
- Kane, Patrick, North Brookfield, Mass. Detachable boot or shoe heel. No. 1,062,338; May 20; Gaz. vol. 190; p. 681.
- Kane, Peter J., New York, N. Y. Fastener for gloves, shirtwaists, and the like. No. 1,069,433; Aug. 5; Gaz. vol. 193; p. 121.
- Kane, Thomas H., Youngstown, Ohio, assignor to Trussed Concrete Steel Company, Detroit, Mich. Sheet-metal form for floors. No. 1,065,449; June 24; Gaz. vol. 191; p. 879.
- Kania, Kajetan, et al. (See Gagatsek, Andrew P., assignor.)
- Kanieski, Alexander. (See Schultz and Kanieski.)
- Kanke, Gerhard H., St. Louis, Mo. Vehicle-brake. No. 1,063,266; June 3; Gaz. vol. 191; p. 33.
- Kankkonen, Frans, Astoria, Oreg. Collapsible boat. No. 1,067,659; July 15; Gaz. vol. 192; p. 671.
- Kann, William L., Pittsburgh, Pa. Glass grinding or polishing machine. No. 1,071,751; Sept. 2; Gaz. vol. 194; p. 28.
- Kann, William L., Pittsburgh, Pa. Grinding and smoothing glass. No. 1,075,107; Oct. 7; Gaz. vol. 195; p. 178.
- Kanning, Frederick H., East St. Louis, Ill. Wrench. No. 1,071,556; Aug. 26; Gaz. vol. 193; p. 942.
- Kansas City Bolt & Nut Co., The. (See Neville, Daniel D., assignor.)
- Kanter, Gustav, Murtoa, Victoria, Australia. Automatic pneumatic vehicle-wheel. No. 1,057,846; Apr. 1; Gaz. vol. 189; p. 155.
- Kantomaa, William J., Lanesville, Mass. Anchor. No. 1,071,057; Aug. 26; Gaz. vol. 193; p. 776.
- Kanyo, Louis, Albany, La. Cultivator. No. 1,074,502; Sept. 30; Gaz. vol. 194; p. 1089.
- Kaplan, Joseph A. (See Phillips and Kaplan.)
- Kaplan, Morduch L., Brooklyn, N. Y. Galvanic cell. No. 1,075,479; Oct. 14; Gaz. vol. 195; p. 335.
- Kaplan, Morduch L., Brooklyn, N. Y. Galvanic cell. No. 1,078,788; Nov. 18; Gaz. vol. 196; p. 598.
- Kapp, Gisbert. (See Kramer and Kapp.)
- Kapp, Gisbert, Birmingham, England. Means for testing the durability of material which is exposed to repeatedly-applied stresses. No. 1,062,595; May 27; Gaz. vol. 190; p. 807.
- Kapp, John, Dubuque, Iowa. Metallic spring-mattress. No. 1,063,451; June 3; Gaz. vol. 191; p. 94.
- Karamanos, Demetrios K., Council Bluffs, Iowa. Diving apparatus. No. 1,068,433; July 29; Gaz. vol. 192; p. 1007.
- Karas, Thomas, St. Louis, Mo. Floor construction. No. 1,055,329; Mar. 11; Gaz. vol. 188; p. 262.
- Karches, Fred W., assignor to Fidel Ganahl Lumber Company, St. Louis, Mo. Tire. No. 1,051,117; Jan. 21; Gaz. vol. 186; p. 684.
- Karczag, Ladislaus. (See Kopetschni, Karczag, and Fodor.)
- Karczag, Paul. (See Kopetschni, Karczag, and Fodor, assignors.)
- Karger, Bernhard, Staunton, Ill. Sash-fastener. No. 1,082,638; Dec. 30; Gaz. vol. 197; p. 1059.
- Karl, Albert G., Baltimore, Md. Marker-lamp. No. 1,079,349; Nov. 25; Gaz. vol. 196; p. 820.
- Karli, Frank W., Valley Springs, S. D. Seed-corn stringer. No. 1,082,875; Dec. 30; Gaz. vol. 197; p. 1142.
- Karlson, Gustav V. (See Bond and Karlson.)
- Karlstrom, Knut. (See Gabrielson and Karlstrom.)
- Karlss, Oscar, Oak Park, Ill. Window-screen. No. 1,053,294; Feb. 18; Gaz. vol. 187; p. 572.
- Karminski, Maxim, and C. Peters, Thompsonville, Conn. Automobile. No. 1,052,829; Feb. 11; Gaz. vol. 187; p. 369.
- Karnes, Allen A., Holliday, Mo. Magazine-pipe. No. 1,053,039; Feb. 11; Gaz. vol. 187; p. 440.
- Karp, Morris, assignor to Passaic Metal Ware Company, Passaic, N. J. Means for soldering seams. No. 1,058,438; Apr. 8; Gaz. vol. 189; p. 404.
- Karp, Morris, assignor to Passaic Metal Ware Company, Passaic, N. J. Means for applying flux to articles to be soldered. No. 1,058,439; Apr. 8; Gaz. vol. 189; p. 405.
- Karp, Morris, assignor to Passaic Metal Ware Company, Passaic, N. J. Soldering machine. No. 1,082,270; Dec. 23; Gaz. vol. 197; p. 900.
- Karp, Morris, assignor to Passaic Metal Ware Company, Passaic, N. J. Frame or easel. No. 1,082,271; Dec. 23; Gaz. vol. 197; p. 900.
- Karpen, Adolph. (See Kramer and Miller, assignors.)
- Karpen, Martin S., Chicago, Ill. Folding cot. No. 1,074,954; Oct. 7; Gaz. vol. 195; p. 124.
- Karsch, Martin, Los Angeles, Cal. Automatic clock winding means. No. 1,062,282; May 20; Gaz. vol. 190; p. 662.
- Karsch, Oswald J. (See Bell, William H., assignor.)
- Karschner, Pearl D., Kansas City, Mo. Speed-regulator. No. 1,058,594; Apr. 8; Gaz. vol. 189; p. 456.

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- Karsitz, Frank, Bridgeport, Conn. Buttonhole-scissors. No. 1,077,280; Nov. 4; Gaz. vol. 196; p. 13.
- Karsitz, Frank, assignor to The Acme Shear Company, Bridgeport, Conn. Buttonhole-scissors. No. 1,062,829; May 27; Gaz. vol. 190; p. 884.
- Kartomat Aktien-Gesellschaft für Apparatebau. (See Lissauer, Edward, assignor.)
- Kasch, Frederick C., Cleveland, Ohio. Mounting for ventilating-flues. No. 1,060,343; Apr. 29; Gaz. vol. 189; p. 1170.
- Kasmar, Max K., Chicago, Ill. Propelling and steering structure for aeroplanes, balloons, kites, &c. No. 1,069,880; Aug. 12; Gaz. vol. 193; p. 303.
- Kassander, Leopold, assignor to Nathan Manufacturing Company, New York, N. Y. Injector. No. 1,057,740; Apr. 1; Gaz. vol. 189; p. 117.
- Kasson, C. Vallette. (See Ross, Oscar A., assignor.)
- Kast, Edward R., Baltimore, Md. Signature-gatherer. No. 1,081,838; Dec. 16; Gaz. vol. 197; p. 724.
- Kast, Hermann, Berlin, Germany. Preparation of catalytic substances in a minutely-divided state. No. 1,070,138; Aug. 12; Gaz. vol. 193; p. 391.
- Kastner, Macarius M., and C. Katz, London, England; said Katz assignor to said Kastner. Expression device for automatic pianos and similar musical instruments. No. 1,055,469; Mar. 11; Gaz. vol. 188; p. 311.
- Kateley, Frank A., Mount Vernon, N. Y. Damper-controlling device. No. 1,082,338; Dec. 23; Gaz. vol. 197; p. 924.
- Kather, Konrad, San Francisco, Cal. Composition of matter. No. 1,061,546; May 13; Gaz. vol. 190; p. 374.
- Katt, Martin J., Chicago, Ill. Scrubbing-machine. No. 1,055,470; Mar. 11; Gaz. vol. 188; p. 312.
- Kattar, Jasmin, New York, N. Y. Cigarette. No. 1,073,422; Sept. 16; Gaz. vol. 194; p. 674.
- Kattenhorn, Henry J., New York, N. Y. Adjustable music-holder. No. 1,083,105; Dec. 30; Gaz. vol. 197; p. 1218.
- Katz, Conrad. (See Kastner and Katz.)
- Katz, Luis, New York, N. Y. Fire-escape. No. 1,050,546; Jan. 14; Gaz. vol. 186; p. 455.
- Katzenberger, Oscar, Chicago, Ill. Combination-lock. No. 1,049,868; Jan. 7; Gaz. vol. 186; p. 187.
- Katzenberger, Oscar, Chicago, Ill. Door-spring. No. 1,055,755; Mar. 11; Gaz. vol. 188; p. 405.
- Katzenberger, Oscar, Chicago, Ill. Door-check and pivotal support. No. 1,057,847; Apr. 1; Gaz. vol. 189; p. 155.
- Katzenberger, Oscar, Chicago, Ill. Floor spring-hinge. No. 1,063,128; May 27; Gaz. vol. 190; p. 982.
- Katzenberger, Oscar, Chicago, Ill. Spring-hinge. No. 1,080,456; Dec. 2; Gaz. vol. 197; p. 189.
- Katzinger, Edward, Chicago, Ill. Electric welding. No. 1,064,338; June 10; Gaz. vol. 191; p. 434.
- Katzinger, Edward, Chicago, Ill. Apparatus for forming welding protuberances on sheet metal and the like. No. 1,064,339; June 10; Gaz. vol. 191; p. 434.
- Katzinger, Edward, Chicago, Ill. Caster-holder. No. 1,064,340; June 10; Gaz. vol. 191; p. 434.
- Kauffman, Horace M., assignor to The South Bend Music Holder Manufacturing Company, South Bend, Ind. Music-holder for pianos. No. 1,082,639; Dec. 30; Gaz. vol. 197; p. 1059.
- Kauffman, Milton H., Denver, Colo. Sintering or roasting furnace. No. 1,050,079; Jan. 7; Gaz. vol. 186; p. 258.
- Kauffman, William J., Cleveland, Ohio. Type-writer carriage mechanism. No. 1,063,543; June 3; Gaz. vol. 191; p. 126.
- Kauffman, William J., Cleveland, Ohio. Type-writing machine. No. 1,063,693; June 3; Gaz. vol. 191; p. 182.
- Kauffman, William J., Cleveland, Ohio. Type-writer carriage-actuating mechanism. No. 1,065,050; June 17; Gaz. vol. 191; p. 706.
- Kauffman, William J., Cleveland, Ohio. Type-writer. No. 1,077,281; Nov. 4; Gaz. vol. 196; p. 13.
- Kauffmann Kase Kompany. (See Kauffmann, Lou B., assignor.)
- Kauffmann, Lou B., assignor to Kauffmann Kase Kompany, New York, N. Y. Bottle-crate. No. 1,050,142; Jan. 14; Gaz. vol. 186; p. 313.
- Kaufer, Felix, Vienna, Austria-Hungary, and A. Chwala, Milan, Italy. Production of arsenate of lead. No. 1,056,340; Mar. 18; Gaz. vol. 188; p. 636.
- Kaufer, Felix, Brückl, Austria-Hungary, and A. Klages, Salbke, Germany. Apparatus for manufacturing mercury bichlorid. No. 1,082,530; Dec. 30; Gaz. vol. 197; p. 1019.
- Kaufman, Adolph G., New York, N. Y. Safety-pin. No. 1,070,482; Aug. 19; Gaz. vol. 193; p. 551.
- Kaufman, Adolph G., New York, N. Y. Bottle-seal. No. 1,071,752; Sept. 2; Gaz. vol. 194; p. 28.
- Kaufman, Herman, New York, N. Y. Protective device for gas-meters and the like. No. 1,077,409; Nov. 4; Gaz. vol. 196; p. 60.
- Kaufman, Otto, Youngstown, Ohio. Mantle-shaping machine for upright mantles. No. 1,069,262; Aug. 5; Gaz. vol. 193; p. 62.
- Kaufman, Otto, Youngstown, Ohio. Mantle-shaping machine for inverted mantles. No. 1,069,263; Aug. 5; Gaz. vol. 193; p. 62.
- Kaufman, Simon, Philadelphia, Pa. Reinforcing seams of waterproof garments. No. 1,073,858; Sept. 23; Gaz. vol. 194; p. 845.
- Kaufmann, Anton. (See Gagnon and Kaufmann.)
- Kaufmann, Anton, et al. (See Ilsley, Albert B., assignor.)
- Kaufmann, Ary, Newark, N. J., assignor to K. Kaufmann & Co. Bag-fastener. No. 1,082,124; Dec. 23; Gaz. vol. 197; p. 848.
- Kaufmann, Berthold, Nuremberg, Germany, assignor to Kuper Bros. Co., New York, N. Y. Manufacture of metallic paper or metal-foil substitute. No. 1,060,098; Apr. 29; Gaz. vol. 189; p. 1082.
- Kaufmann, Isadore, Hoboken, N. J., assignor to W. Lutter, New York, N. Y. Safety-razor. No. 1,076,375; Oct. 21; Gaz. vol. 195; p. 669.
- Kaufmann, Jacob, assignor to Steel Heddle Manufacturing Company, Philadelphia, Pa. Heddle. No. 1,070,483; Aug. 19; Gaz. vol. 193; p. 551.
- Kaufmann, Jacob, assignor to Steel Heddle Manufacturing Company, Philadelphia, Pa. Loom heddle-frame. No. 1,077,719; Nov. 4; Gaz. vol. 196; p. 163.
- Kaufmann, Ludwig, Berlin, Germany. Organic antimony compounds and making same. No. 1,060,765; May 6; Gaz. vol. 190; p. 69.
- Kaufmann, Ludwig, assignor to Warmbrunn, Quilitz & Co., Apparate Bauanstalt, Berlin, Germany. Dropping-bottle. No. 1,082,531; Dec. 30; Gaz. vol. 197; p. 1019.
- Kaukeinen, Matthew, Tularosa, N. Mex. Post-hole digger. No. 1,065,874; June 24; Gaz. vol. 191; p. 1023.
- Kaunitz, Nils W., Hoquiam, Wash. Brake-equalizer. No. 1,055,471; Mar. 11; Gaz. vol. 188; p. 312.
- Kauser, George W., Chicago, Ill. Stereoptigraph. No. 1,064,838; June 17; Gaz. vol. 191; p. 639.
- Kautz, John E. (See Pluebell and Kautz.)
- Kavanagh, Dan J., New Martinsville, W. Va. Signal-lock. No. 1,074,955; Oct. 7; Gaz. vol. 195; p. 124.
- Kavanagh, Garrett, St. John's, Newfoundland. Pneumatic tire. No. 1,051,738; Jan. 28; Gaz. vol. 186; p. 925.
- Kavanagh, Patrick T., Baltimore, Md. Clothes-line support. No. 1,058,595; Apr. 8; Gaz. vol. 189; p. 456.
- Kavle, Oscar C., assignor to H. A. Moyer, Syracuse, N. Y. Tabulating mechanism for type-writing machines. No. 1,050,548; Jan. 14; Gaz. vol. 186; p. 455.
- Kavle, Oscar C., assignor to H. A. Moyer, Syracuse, N. Y. Type-bar-bearing support for type-writing machines. No. 1,055,756; Mar. 11; Gaz. vol. 188; p. 406.
- Kavle, Oscar C., assignor to H. A. Moyer, Syracuse, N. Y. Fractional-line-spacing mechanism. No. 1,058,756; Apr. 15; Gaz. vol. 189; p. 549.
- Kavle, Oscar C., assignor to H. A. Moyer, Syracuse, N. Y. Carriage-backsetting mechanism for type-writers. No. 1,060,004; Apr. 29; Gaz. vol. 189; p. 1052.
- Kavle, Oscar C., assignor to H. A. Moyer, Syracuse, N. Y. Ribbon mechanism for type-writing machines. No. 1,065,531; June 24; Gaz. vol. 191; p. 907.
- Kavle, Oscar C., assignor to H. A. Moyer and E. G. Latta, Syracuse, N. Y. Paper-feed mechanism for type-writing machines. No. 1,050,547; Jan. 14; Gaz. vol. 186; p. 455.
- Kavle, Oscar C., assignor to H. A. Moyer and E. G. Latta, Syracuse, N. Y. Ball-bearing for the type-bars of type-writing machines. No. 1,060,003; Apr. 29; Gaz. vol. 189; p. 1052.
- Kawasaki, Utajiro, Los Angeles, Cal. Food-grinder. No. 1,068,502; July 29; Gaz. vol. 192; p. 1030.
- Kay, Henry P., Proctor, Tex. Windmill attachment. No. 1,054,921; Mar. 4; Gaz. vol. 188; p. 91.
- Kay, John, Manchester, England. Blast-pipe for locomotives and like engines. No. 1,063,452; June 3; Gaz. vol. 191; p. 94.
- Kay, Raymond, Jacksonville, Fla. Canopy-support for boats. No. 1,067,660; July 15; Gaz. vol. 192; p. 671.
- Kay, Simon, Cleveland, Ohio. Curtain-pole. No. 1,074,267; Sept. 30; Gaz. vol. 194; p. 1012.
- Kay, Walter R., Cottingley, near Bingley, England. Apparatus for washing fibrous substances. No. 1,065,947; July 1; Gaz. vol. 192; p. 15.
- Kay, William H., Woodhaven, assignor to H. L. Powell, Brooklyn, N. Y. Feed-water heating and purifying attachment for boilers. No. 1,083,106; Dec. 30; Gaz. vol. 197; p. 1219.
- Kaye, Samuel, Columbus, Miss. Wheel. No. 1,062,472; May 20; Gaz. vol. 190; p. 724.
- Kaylor, William, assignor to W. A. Conway, Muskogee, Okla. Portable circular-sawing machine. No. 1,075,918; Oct. 14; Gaz. vol. 195; p. 484.
- Kayser, Francis, Philadelphia, Pa. Transmitter. No. 1,061,849; May 13; Gaz. vol. 190; p. 472.
- Kazenmaier, August, assignor to Firm of R. Bosch, Stuttgart, Germany. Means for producing ignition-sparks. No. 1,064,915; June 17; Gaz. vol. 191; p. 662.
- Kazmierczak, Ignatz F., Detroit, Mich. Curtain-bracket. No. 1,061,300; May 13; Gaz. vol. 190; p. 288.
- Kea, Allie F., Rocky Mount, N. C. Foldable hay-stacker. No. 1,069,704; Aug. 12; Gaz. vol. 193; p. 241.
- Kea, John W., Monroe, La. Adjuster and support for electric lamps. No. 1,056,908; Mar. 25; Gaz. vol. 188; p. 863.
- Keables, Charles F., Indianola, Iowa. Road-making machine. No. 1,060,604; May 6; Gaz. vol. 190; p. 14.

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- Keagy, Joseph, Coshocton, Ohio. Machine for feeding and cutting cloth, paper, or other material. No. 1,078,202; Nov. 11; Gaz. vol. 196; p. 361.
- Keagy, Martin L., Canton, Ohio. Tire. No. 1,055,472; Mar. 11; Gaz. vol. 188; p. 312.
- Keagy, Rudolph H., Canton, Ohio. Embroidery-hoop. No. 1,077,987; Nov. 11; Gaz. vol. 196; p. 288.
- Keall, Frank B., J. Gouldbourn, and A. E. Jerram, Leicester, England, assignors to United Shoe Machinery Company, Paterson, N. J. Machine for operating on shoes. No. 1,078,684; Nov. 18; Gaz. vol. 196; p. 560.
- Kealy, William, Chisholm, Minn. Sleigh-runner. No. 1,059,613; Apr. 22; Gaz. vol. 189; p. 880.
- Kean, Arthur, Boston, Mass. Stop-motion for looms. No. 1,067,611; July 15; Gaz. vol. 192; p. 654.
- Kean, Otho V., Toronto, Ontario, Canada. Mold construction. No. 1,056,999; Mar. 25; Gaz. vol. 188; p. 895.
- Kean, Otis H. (See Evans and Kean.)
- Kean, Thomas F., Boston, assignor of one-half to W. A. and E. Macleod, Westwood, and C. W. McConnel, Boston, Mass., trustees. Tap. No. 1,080,980; Dec. 9; Gaz. vol. 197; p. 400.
- Kearney, Edward J., Wauwatosa, and T. Trecker, West Allis, Wis. Arbor-holding attachment. No. 1,053,295; Feb. 18; Gaz. vol. 187; p. 572.
- Kearney, Edward J., Wauwatosa, and T. Trecker, West Allis, Wis. Milling-machine. No. 1,053,296; Feb. 18; Gaz. vol. 187; p. 573.
- Kearney, Edward J., Wauwatosa, and T. Trecker, West Allis, Wis. Means for lubricating machine tools. No. 1,065,689; June 24; Gaz. vol. 191; p. 961.
- Keast, Alfred J. and H. San Jose, assignors to California Fruit Canners Association, San Francisco, Cal. Exhaust-box for cans. No. 1,074,869; Oct. 7; Gaz. vol. 195; p. 95.
- Keast, Harold. (See Keast, Alfred J. and H.)
- Keats, Socrates, Leicester, England, assignor, by mesne assignments, to United Shoe Machinery Company, Paterson, N. J. Dieing-out machine. No. 1,081,751; Dec. 16; Gaz. vol. 197; p. 692.
- Keays, Reginald H. (See Arnott, Robert F., assignor.)
- Kebola, Joseph, New Britain, Conn. Razor-stropping device. No. 1,080,981; Dec. 9; Gaz. vol. 197; p. 400.
- Kechley, Frank D., Beatrice, Nebr. Grain-separator. No. 1,060,457; Apr. 29; Gaz. vol. 189; p. 1209.
- Keck, Albert J., St. Paul, Minn. Pencil. No. 1,060,099; Apr. 29; Gaz. vol. 189; p. 1082.
- Keck, Charles R., Springfield, Ill. Track construction. No. 1,055,401; Mar. 11; Gaz. vol. 188; p. 288.
- Keck, Christian, Crescent Springs, Ky., assignor to C. Keck Manufacturing Co., Cincinnati, Ohio. Mechanical movement. No. 1,073,075; Sept. 9; Gaz. vol. 194; p. 516.
- Keck Manufacturing Co., C. (See Keck, Christian, assignor.)
- Keck, William M., assignor to S. A. Guiberson, Jr., Colalinga, Cal. Well-casing hanger. No. 1,051,501; Jan. 28; Gaz. vol. 186; p. 847.
- Keefauver, George M., Fiatt, Ill. Combined level and gage. No. 1,074,367; Sept. 30; Gaz. vol. 194; p. 1045.
- Keefe, Joseph, Boston, assignor to J. H. Parker, Cliftondale, Mass. Fuse. No. 1,066,912; July 8; Gaz. vol. 192; p. 380.
- Keefe, Joseph, Boston, assignor to J. H. Parker, Saugus, Mass. Sectional box. No. 1,072,009; Sept. 2; Gaz. vol. 194; p. 117.
- Keefe, Howard, Milton, Pa. Legging. No. 1,055,184; Mar. 4; Gaz. vol. 188; p. 177.
- Keefe, William W. (See Gerber, Dwight, assignor.)
- Keel, Charles A., Hamlin, Kans. Automatic sliding-door latch. No. 1,057,433; Apr. 1; Gaz. vol. 189; p. 14.
- Keeler, Henry L., Lundys Lane, Pa. Station-indicator. No. 1,072,955; Sept. 9; Gaz. vol. 194; p. 474.
- Keeler, Charles D. (See Washburn and Keeler.)
- Keeler, Charles P., et al. (See Wakefield, Francis J., assignor.)
- Keemer, Edgar B., Washington, D. C. Spring-wheel. No. 1,053,402; Feb. 18; Gaz. vol. 187; p. 610.
- Keen, Jefferson D. (See Roberts and Keen.)
- Keen, Thomas W., Swissvale, Pa. Valve-operating mechanism. No. 1,053,732; Feb. 18; Gaz. vol. 187; p. 725.
- Keen, Thomas W., Swissvale, Pa. Gas-engine cylinder. No. 1,057,741; Apr. 1; Gaz. vol. 189; p. 118.
- Keen, Walter H., and A. P. Bellows, Acampo, Cal. Cultivator. No. 1,067,986; July 22; Gaz. vol. 192; p. 813.
- Keen, William H., Washington, D. C. Apparatus for testing the hardness of metals. No. 1,071,430; Aug. 26; Gaz. vol. 193; p. 900.
- Keenam, James B., Birmingham, Ala. Coal-washer. No. 1,073,992; Sept. 23; Gaz. vol. 194; p. 893.
- Keenan, John F., Taylor, assignor to Denny-Renton Clay & Coal Company, Seattle, Wash. Contractible collar. No. 1,054,353; Feb. 25; Gaz. vol. 187; p. 970.
- Keenan, Thomas T., assignor of one-half to J. W. Quindlen, Philadelphia, Pa. Non-refillable bottle. No. 1,050,030; Jan. 7; Gaz. vol. 186; p. 241.
- Keenan, Vernon. (See Miller and Keenan.)
- Keene, Freemont O., Freeport, Ill. Gravity separator. No. 1,069,143; Aug. 5; Gaz. vol. 193; p. 18.
- Keene, George W., Adel, Ga. Spectacle-case. No. 1,064,839; June 17; Gaz. vol. 191; p. 640.
- Keene, William J., assignor to Chicago Spring Butt Company, Chicago, Ill. Spring-hinge. No. 1,081,752; Dec. 16; Gaz. vol. 197; p. 692.
- Keeney, Charles H. (See Rhine and Keeney.)
- Keeney, Charles H. (See Watson, Rhine, and Keeney.)
- Keeney, Robert P. (See Hayes, Dennis, assignor.)
- Keenoh Company, The. (See Flinker, Leon A., assignor.)
- Keenoh Company, The. (See Flinker and Schade, assignors.)
- Keepfer, Thomas, Philadelphia, Pa. Reversible net. No. 1,053,608; Feb. 18; Gaz. vol. 187; p. 681.
- Keers, John, Brooklyn, N. Y. Tool for spreading the tubes of water-tube boilers. No. 1,082,809; Dec. 30; Gaz. vol. 197; p. 1119.
- Kees, Frederick, assignor of one-half to G. W. Wenzel, Minneapolis, Minn. Column-clamp. No. 1,057,742; Apr. 1; Gaz. vol. 189; p. 118.
- Keever, Bundy M., assignor of one-third to V. B. Korner, Upland, Ind. Rail-joint. No. 1,050,080; Jan. 7; Gaz. vol. 186; p. 259.
- Keffer, William, Philadelphia, Pa. Crossing. No. 1,072,855; Sept. 9; Gaz. vol. 194; p. 436.
- Kehm, August, Chicago, Ill. Pipe-support. No. 1,056,028; Mar. 18; Gaz. vol. 188; p. 532.
- Kehm, August, Chicago, Ill. Support for radiators and the like. No. 1,056,553; Mar. 18; Gaz. vol. 188; p. 712.
- Kehoe, Robert P., assignor to De La Vergne Machine Company, New York, N. Y. Ice-can. No. 1,066,018; July 1; Gaz. vol. 192; p. 40.
- Kehoe, Thomas J., and C. F. Green, assignors to The Kinsey Manufacturing Company, Toledo, Ohio. Door-latch. No. 1,066,501; July 8; Gaz. vol. 192; p. 237.
- Kehrhahn, Alexander H., Frankfort-on-the-Main, Germany. Machine for treating hides or leather. No. 1,053,297; Feb. 18; Gaz. vol. 187; p. 573.
- Kehrhahn, Alexander H., Frankfort-on-the-Main, Germany. Sectional roll for leather-working machines. No. 1,066,913; July 8; Gaz. vol. 192; p. 380.
- Keifer, Forest O., Elk City, Okla. Dental appliance. No. 1,050,469; Jan. 14; Gaz. vol. 186; p. 427.
- Keighley Company, The. (See Keighley, William B., assignor.)
- Keighley Company, The. (See Krewson, Samuel A., assignor.)
- Keighley, William B., Vineland, N. J. Universal shoe-finishing machine. No. 1,058,596; Apr. 8; Gaz. vol. 189; p. 456.
- Keighley, William B., assignor to The Keighley Company, Inc., Vineland, N. J. Cleaning-machine. No. 1,059,877; Apr. 22; Gaz. vol. 189; p. 965.
- Keighley, William B., assignor to The Keighley Company, Vineland, N. J. Lasting-strip. No. 1,073,570; Sept. 16; Gaz. vol. 194; p. 724.
- Keil, John C. (See Allen, Walker B., assignor.)
- Keil, John L., Plainview, assignor of one-half to S. A. Keil, Bancroft, Nebr. Saw-filing machine. No. 1,072,384; Sept. 2; Gaz. vol. 194; p. 242.
- Keil, Peter, assignor of one-third to J. E. Cochran and one-third to E. A. Stephens, Elkhart, Ind. Machine for lapping bearings. No. 1,076,636; Oct. 21; Gaz. vol. 196; p. 764.
- Keil, Peter, and E. A. Stephens, assignors to J. E. Cochran, Elkhart, Ind. Scale-pan support. No. 1,072,956; Sept. 9; Gaz. vol. 194; p. 474.
- Keil, Solomon A. (See Keil, John L., assignor.)
- Keil & Son, Francis. (See Hansen, Herman, assignor.)
- Keiller, Frank, New York, N. Y. Folding carton. No. 1,070,692; Aug. 19; Gaz. vol. 193; p. 622.
- Keim, Edward T. (See Alexander and Keim.)
- Keim, Edward T., administrator. (See Keim and Alexander.)
- Keim, Edward T., and W. W. Alexander, deceased; E. T. Keim, Denver, Colo., administrator; said Keim, for himself and as administrator, assignor, by mesne assignments, to The Protective Signal Manufacturing Company. Telegraphic recording instrument. No. 1,051,118; Jan. 21; Gaz. vol. 186; p. 685.
- Keiser, Paul L., Pottstown, Pa. Valve for hot-blast furnaces. No. 1,070,693; Aug. 19; Gaz. vol. 193; p. 622.
- Keister, O. B., et al. (See Hupp, William R., assignor.)
- Keitel, Günther, New York, N. Y. Brassière. No. 1,082,085; Dec. 23; Gaz. vol. 197; p. 836.
- Keiter, William H., Peoria, Ill. Steering-gear. No. 1,053,403; Feb. 18; Gaz. vol. 187; p. 610.
- Keith, Alexander E., Hinsdale, assignor to Automatic Electric Company, Chicago, Ill. Special-call telephone system. No. 1,051,894; Feb. 4; Gaz. vol. 187; p. 16.
- Keith, Alexander E., Hinsdale, assignor to Automatic Electric Company, Chicago, Ill. Telephone-system station instrument. No. 1,077,225; Oct. 28; Gaz. vol. 195; p. 1016.

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- Keith, Aubrey R., *et al.* (See Larnce, John B., assignor.)
- Keith, Calvin, G. F. Lister, and J. M. Edmondson, Mansfield, Ohio. Door-hinge. No. 1,053,829; Feb. 18; Gaz. vol. 187; p. 755.
- Keith, David R., Fort Scott, Kans. Automatic fuel-feeder. No. 1,066,281; July 1; Gaz. vol. 192; p. 135.
- Keith, Elgin, assignor to Invincible Grain Cleaner Company, Silver Creek, N. Y. Corn-husking machine. No. 1,071,925; Sept. 2; Gaz. vol. 194; p. 88.
- Keith, George. (See Keith, James and G.)
- Keith, Henry M., Eldorado, Ill. Combined bed and table. No. 1,051,237; Jan. 21; Gaz. vol. 186; p. 723.
- Keith, Irving L., Haverhill, Mass. Squeak-preventer for shoes. No. 1,075,039; Oct. 7; Gaz. vol. 195; p. 155.
- Keith, James and G., London, England. Gas-lamp. No. 1,080,149; Dec. 2; Gaz. vol. 197; p. 81.
- Keith, Robert R. (See Richardson and Keith.)
- Keith, Simeon C., Jr., Newton, Mass. Bubbling drinking-fountain. No. 1,068,142; July 22; Gaz. vol. 192; p. 867.
- Keith, Wallace B., Ravensdale, Wash. Can-punch. No. 1,082,426; Dec. 23; Gaz. vol. 197; p. 952.
- Keith, Walter A., Los Angeles, Cal. Grease-cup. No. 1,069,144; Aug. 5; Gaz. vol. 193; p. 18.
- Keithley, Herbert R., Kansas City, Mo. Manufacturing car-wheels. No. 1,073,350; Sept. 16; Gaz. vol. 194; p. 650.
- Keiver, Charles W. (See Smith and Keiver.)
- Keizer, Lewis M. (See Thumm, William G., assignor.)
- Kelbur Manufacturing Company. (See Kelly, William D., assignor.)
- Keliber, James F., Independence, Mo. Collar-button. No. 1,078,732; Nov. 18; Gaz. vol. 196; p. 578.
- Kell, Landon. (See Bryant and Kell.)
- Kellan, Edward L., Chicago, Ill. Valve for bubbling fountains. No. 1,071,753; Sept. 2; Gaz. vol. 194; p. 28.
- Kellar, Fred W. (See Watson, John, assignor.)
- Keller, Albert K., assignor to American Cork and Seal Company, Philadelphia, Pa. Bottle-seal-assembling machine. No. 1,081,505; Dec. 16; Gaz. vol. 197; p. 613.
- Keller, Anton, assignor to Improved Schiffli Machine Company, New York, N. Y. Shuttle embroidery-machine. No. 1,057,557; Apr. 1; Gaz. vol. 189; p. 55.
- Keller, Anton, assignor to Improved Schiffli Machine Company, New York, N. Y. Shuttle embroidery-machine. No. 1,057,558; Apr. 1; Gaz. vol. 189; p. 55.
- Keller, Anton, assignor to Improved Schiffli Machine Company, New York, N. Y. Thread-tensioning device for embroidery-machines. No. 1,057,559; Apr. 1; Gaz. vol. 189; p. 56.
- Keller, Anton, assignor to Improved Schiffli Machine Company, New York, N. Y. Thread catching and severing device for embroidery-machines. No. 1,080,914; Dec. 9; Gaz. vol. 197; p. 378.
- Keller, Anton, assignor to Improved Schiffli Machine Company, New York, N. Y. Thread catching and severing means for shuttle embroidery-machines. No. 1,080,915; Dec. 9; Gaz. vol. 197; p. 379.
- Keller, Bailey, *et al.* (See Schur, Ernest H., assignor.)
- Keller, Bela A., and M. E. Messersmith, Newark, N. J. Eyeglass-mounting. No. 1,059,938; Apr. 22; Gaz. vol. 189; p. 986.
- Keller, Carl A. (See Jamieson and Keller.)
- Keller, Charles, Philadelphia, Pa. Child's dress. No. 1,070,694; Aug. 19; Gaz. vol. 193; p. 622.
- Keller, Charles B., assignor of one-half to W. F. Quigley, Tipton, Mo. Tool-handle. No. 1,075,108; Oct. 7; Gaz. vol. 195; p. 179.
- Keller, Charles R., Oxnard, and O. O. Keller, Santa Paula, Cal. Bean-harvester. No. 1,053,298; Feb. 18; Gaz. vol. 187; p. 573.
- Keller, Charles R., Oxnard, and O. O. Keller, Santa Paula, Cal. Bean-harvester. No. 1,058,757; Apr. 15; Gaz. vol. 189; p. 549.
- Keller, Charles R., Oxnard, and O. O. Keller, Santa Paula, Cal. Bean-harvester. No. 1,059,301; Apr. 15; Gaz. vol. 189; p. 738.
- Keller, Dallas F., Lamoni, Iowa. Mail-bag-transferring device. No. 1,081,672; Dec. 16; Gaz. vol. 197; p. 665.
- Keller, Edgar J. (See Friend, Howard, assignor.)
- Keller, Eugene W., assignor of one-half to W. A. White, West Hoboken, N. J. Needle-holding attachment for embroidering-machines. No. 1,067,818; July 22; Gaz. vol. 192; p. 757.
- Keller, Frederick H. von, New York, N. Y., assignor, by mesne assignments, to Cooper Hewitt Electric Company, Hoboken, N. J. Apparatus for operating mercury-vapor lamps. No. 1,070,345; Aug. 12; Gaz. vol. 193; p. 461.
- Keller, George W., Roanoke, Va. Safety-valve. No. 1,071,431; Aug. 26; Gaz. vol. 193; p. 901.
- Keller, Gustav A., New York, N. Y., assignor to Irving Iron Works Company. Machine for making gratings. No. 1,051,119; Jan. 21; Gaz. vol. 186; p. 685.
- Keller, Harry B., Fort Wayne, Ind. Adjustable fluid connection. No. 1,053,609; Feb. 18; Gaz. vol. 187; p. 681.
- Keller, Herbert M., Philadelphia, Pa. Key-ring holder. No. 1,053,183; Feb. 18; Gaz. vol. 187; p. 533.
- Keller, Huldreich, Zurich, Switzerland, assignor to General Electric Company. Surface condenser. No. 1,063,694; June 3; Gaz. vol. 191; p. 183.
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- Keller, Huldreich, Zurich, Switzerland, assignor to General Electric Company. Surface condenser. No. 1,063,696; June 3; Gaz. vol. 191; p. 184.
- Keller, John M., assignor to The William Tod Company, Youngstown, Ohio. Slip-gear. No. 1,067,034; July 8; Gaz. vol. 192; p. 420.
- Keller, Karl, Arbon, Switzerland. Jacquard embroidering-machine. No. 1,082,228; Dec. 23; Gaz. vol. 197; p. 883.
- Keller, Karl, assignor to Firm of A. Saurer, Arbon, Switzerland. Embroidering-machine. No. 1,059,878; Apr. 22; Gaz. vol. 189; p. 965.
- Keller, Karl, assignor to Firm of A. Saurer, Arbon, Switzerland. Tambour-frame for embroidering-machines. No. 1,066,914; July 8; Gaz. vol. 192; p. 381.
- Keller, Karl, assignor to Firm of A. Saurer, Arbon, Switzerland. Motion-transmitting device. No. 1,073,764; Sept. 23; Gaz. vol. 194; p. 816.
- Keller, Karl, assignor to Firm of A. Saurer, Arbon, Switzerland. Embroidering-machine. No. 1,073,765; Sept. 23; Gaz. vol. 194; p. 816.
- Keller, Karl, assignor to Firm of A. Saurer, Arbon, Switzerland. Fabric-frame of embroidering-machines. No. 1,074,870; Oct. 7; Gaz. vol. 195; p. 95.
- Keller, Marion L., Richburg, N. Y. Chair. No. 1,049,730; Jan. 7; Gaz. vol. 186; p. 140.
- Keller, Moritz, *et al.* (See Schur, Ernest H., assignor.)
- Keller, Otto O. (See Keller, Charles R. and O. O.)
- Keller, Peter, Chicago, Ill. Gas-pressure regulator. No. 1,063,952; June 3; Gaz. vol. 191; p. 261.
- Keller, Peter, Chicago, Ill. Gas-regulating device. No. 1,063,933; June 3; Gaz. vol. 191; p. 262.
- Keller, Peter, Chicago, Ill. Gas-regulator. No. 1,078,625; Nov. 18; Gaz. vol. 196; p. 539.
- Keller, Rudolph, *et al.* (See Phillippi, Frank A., assignor.)
- Keller, William L., Kearney, Nebr. Land roller, packer, and pulverizer. No. 1,069,264; Aug. 5; Gaz. vol. 193; p. 63.
- Kelley, Blaine, Syracuse, N. Y. Electrically-operated duplicate type-writing machine. No. 1,078,626; Nov. 18; Gaz. vol. 196; p. 539.
- Kelley, Clyde W., Wellington, Tex. Incubator-alarm. No. 1,064,658; June 10; Gaz. vol. 191; p. 543.
- Kelley, Frank W., Sioux City, Iowa. Reinforcement for cushions of pool and billiard tables. No. 1,049,369; Jan. 7; Gaz. vol. 186; p. 17.
- Kelley, George H., assignor to The Kelley Self-Starter Company, Gainesville, Fla. Starter for explosive-engines. No. 1,073,139; Sept. 16; Gaz. vol. 194; p. 573.
- Kelley, George J., Attleboro, Mass. Atomizer. No. 1,071,432; Aug. 26; Gaz. vol. 193; p. 901.
- Kelley, George J., Attleboro, Mass. Atomizer. No. 1,080,835; Dec. 9; Gaz. vol. 197; p. 353.
- Kelley, George J., Attleboro, Mass. Atomizer. No. 1,082,159; Dec. 23; Gaz. vol. 197; p. 858.
- Kelley, Isaac G., Minneapolis, Minn. Holder for cleaners. No. 1,076,888; Oct. 28; Gaz. vol. 195; p. 905.
- Kelley, James, Winsted, Conn. Machine for making pins. No. 1,066,120; July 1; Gaz. vol. 192; p. 76.
- Kelley, James S. (See Kelley, Patrick J. and J. S.)
- Kelley, John W. (See Pealer, James C., assignor.)
- Kelley, Lawrence E. (See Iwiggin and Kelley.)
- Kelley, Patrick J. and J. S. Pana, Ill. Mining-machine. No. 1,051,417; Jan. 28; Gaz. vol. 186; p. 818.
- Kelley, Robert W., Wellington, Tex. Valve for toilet-basins. No. 1,050,661; Jan. 14; Gaz. vol. 186; p. 491.
- Kelley Self-Starter Company, The. (See Kelley, George H., assignor.)
- Kelley, Silas L., Grand Junction, Colo. Boot and shoe. No. 1,059,543; Apr. 22; Gaz. vol. 189; p. 858.
- Kelley, Walter F. (See Côté and Kelley.)
- Kelley, Walter L., Pawtucket, R. I. Locking-ring. No. 1,077,282; Nov. 4; Gaz. vol. 196; p. 14.
- Kelley, William H., Reading, Pa. Lug-strap for picker-sticks. No. 1,058,597; Apr. 8; Gaz. vol. 189; p. 457.
- Kelley, William V. D., Newark, N. J. Collapsible sign-box. No. 1,059,371; Apr. 22; Gaz. vol. 189; p. 799.
- Kellison, Edward, Bellefontaine, Ohio. Puzzle. No. 1,054,779; Mar. 4; Gaz. vol. 188; p. 44.
- Kellner, Josef, Brooklyn, assignor to Franklin Knitting Mills, New York, N. Y. Needle and needle-helper. No. 1,063,353; June 3; Gaz. vol. 191; p. 62.
- Kellner, Josef, Brooklyn, and S. Worms, New Rochelle, assignors to Franklin Knitting Mills, New York, N. Y. Flat-knitting machine. No. 1,058,242; Apr. 8; Gaz. vol. 189; p. 334.
- Kellner, Josef, Brooklyn, and S. Worms, New Rochelle, assignors to Franklin Knitting Mills, New York, N. Y. Knitted necktie. No. 1,060,190; Apr. 29; Gaz. vol. 189; p. 1114.

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- Kellner, Josef, Brooklyn, and S. Worms, New Rochelle, assignors to Franklin Knitting Mills, New York, N. Y. Flat-knitting machine. No. 1,063,453; June 3; Gaz. vol. 191; p. 95.
- Kellner, Josef, Brooklyn, and S. Worms, New Rochelle, assignors to Franklin Knitting Mills, New York, N. Y. Knitted necktie. No. 1,072,471; Sept. 9; Gaz. vol. 194; p. 302.
- Kellner, Josef, Brooklyn, and S. Worms, New Rochelle, N. Y., assignors to Franklin Knitting Mills. Knitting bias-lace knitted neckties. No. 1,072,734; Sept. 9; Gaz. vol. 194; p. 393.
- Kellner, Josef, Brooklyn, and S. Worms, New Rochelle, assignors to Franklin Knitting Mills, New York, N. Y. Muffler. No. 1,072,735; Sept. 9; Gaz. vol. 194; p. 393.
- Kellner, Josef, Brooklyn, and S. Worms, New Rochelle, assignors to Franklin Knitting Mills, New York, N. Y. Knitting neckties and scarfs. No. 1,072,856; Sept. 9; Gaz. vol. 194; p. 436.
- Kellner, Josef, Brooklyn, and S. Worms, New Rochelle, assignors to Franklin Knitting Mills, New York, N. Y. Bias-lace knitted necktie. No. 1,073,050; Sept. 9; Gaz. vol. 194; p. 507.
- Kellner, Walter, Barmen, Germany. Paper-sheet-gluing machine. No. 1,058,440; Apr. 8; Gaz. vol. 189; p. 405.
- Kellogg, Charles S., Montclair, N. J. Fluid-operated power-transmission mechanism. No. 1,080,281; Dec. 2; Gaz. vol. 197; p. 127.
- Kellogg, Charles S., Montclair, N. J. Speed and power transmitting mechanism. No. 1,080,282; Dec. 2; Gaz. vol. 197; p. 127.
- Kellogg, Edwin S. (See Scott, Isaac, assignor.)
- Kellogg, John F., Guthrie, Okla. Gold-separator. No. 1,070,695; Aug. 19; Gaz. vol. 193; p. 623.
- Kellogg, John H., Battle Creek, Mich. Cereal coffee or coffee substitute. No. 1,069,265; Aug. 5; Gaz. vol. 193; p. 63.
- Kellogg, John H., Battle Creek, Mich. Cereal coffee or coffee substitute. No. 1,069,266; Aug. 5; Gaz. vol. 193; p. 63.
- Kellogg, John H., Battle Creek, Mich. Cereal coffee or coffee substitute. No. 1,069,267; Aug. 5; Gaz. vol. 193; p. 64.
- Kellogg, John H., Battle Creek, Mich. Cereal coffee or coffee substitute. No. 1,069,268; Aug. 5; Gaz. vol. 193; p. 64.
- Kellogg, John H., assignor to Sanitarium Equipment Company, Battle Creek, Mich. Support for electric lights. No. 1,065,371; June 24; Gaz. vol. 191; p. 852.
- Kellogg, John L., assignor to Kellogg Toasted Corn Flake Co., Battle Creek, Mich. Coffee substitute or cereal coffee and preparing the same. No. 1,059,471; Apr. 22; Gaz. vol. 189; p. 834.
- Kellogg, Ray E., assignor of one-half to C. W. Crawford, Los Angeles, Cal. Horn signaling device. No. 1,049,731; Jan. 7; Gaz. vol. 186; p. 141.
- Kellogg Switchboard & Supply Company. (See Kaisling, William, assignor.)
- Kellogg Switchboard & Supply Company. (See Larson, Charles A., assignor.)
- Kellogg Switchboard and Supply Company. (See Mueller, George E., assignor.)
- Kellogg Switchboard & Supply Company. (See Webster, Harry G., assignor.)
- Kellogg Switchboard & Supply Company. (See Weiss, Alfred H., assignor.)
- Kellogg Toasted Corn Flake Co. (See Kellogg, John L., assignor.)
- Kells, Charles E., Jr., New Orleans, La. Drinking-fountain. No. 1,072,124; Sept. 2; Gaz. vol. 194; p. 156.
- Kells, Charles E., Jr., New Orleans, La. Sanitary attachment for faucets. No. 1,080,562; Dec. 9; Gaz. vol. 197; p. 256.
- Kells, William J., Jersey City, N. J. Water-cooling radiator. No. 1,068,246; July 22; Gaz. vol. 192; p. 904.
- Kells, William J., Jersey City, N. J. Jacket for tanks. No. 1,071,557; Aug. 26; Gaz. vol. 193; p. 942.
- Kellum, Orlando E. (See Johnston and Kellum.)
- Kellum, Orlando E. (See Pace and Kellum.)
- Kellum, Orlando E., assignor to National Street and Station Indicator Company, Los Angeles, Cal. Indicator-actuating mechanism. No. 1,069,881; Aug. 12; Gaz. vol. 193; p. 303.
- Kelly, Albert A., Sidcup, England. Packing pulverulent, granular, and other substances. No. 1,077,835; Nov. 4; Gaz. vol. 196; p. 203.
- Kelly, Arthur J., London, England. Perpetual calendar. No. 1,053,610; Feb. 18; Gaz. vol. 187; p. 681.
- Kelly, Charles A., Muskegon, Mich. Mop. No. 1,081,450; Dec. 16; Gaz. vol. 197; p. 594.
- Kelly, Charles D., and P. Mahoney, Oakview, Pa. Concrete arch. No. 1,074,268; Sept. 30; Gaz. vol. 194; p. 1012.
- Kelly, Charles F., Philadelphia, Pa. Railway-crossing. No. 1,078,048; Nov. 11; Gaz. vol. 196; p. 308.
- Kelly, Charles L., Santa Fe, N. Mex. Window-screen. No. 1,082,339; Dec. 23; Gaz. vol. 197; p. 924.
- Kelly, Charles W., et al. (See Conner, Frank, assignor.)
- Kelly, David L., New York, N. Y. Signal. No. 1,075,109; Oct. 7; Gaz. vol. 195; p. 179.
- Kelly, Edward C., Jr., Boston, Mass. Separator-trap. No. 1,069,789; Aug. 12; Gaz. vol. 193; p. 271.
- Kelly, Eugene J., Washington, D. C. Pipe-coupling. No. 1,072,736; Sept. 9; Gaz. vol. 194; p. 393.
- Kelly, George B. (See Meahl, Philip J., assignor.)
- Kelly, George B., Jamaica Plain, Mass., assignor to Aeolian Company, New York, N. Y. Paper-feed mechanism for perforated music-sheets. No. 1,064,341; June 10; Gaz. vol. 191; p. 435.
- Kelly, George W., Elizabeth, N. J. Blacking set. No. 1,062,339; May 20; Gaz. vol. 190; p. 681.
- Kelly, Henry W. (See Bates, Kelly, and Corbin.)
- Kelly, J. A., et al. (See Watkins, Orla H., assignor.)
- Kelly, James J., Crafton, Pa. Tire-fastening device. No. 1,065,139; June 17; Gaz. vol. 191; p. 736.
- Kelly, John, Chicago, Ill. Valve. No. 1,066,820; July 8; Gaz. vol. 192; p. 348.
- Kelly, John F., Chicago, Ill. Starter for hydrocarbon-engines. No. 1,072,385; Sept. 2; Gaz. vol. 194; p. 242.
- Kelly, John F., Pittsfield, Mass. Musical instrument. No. 1,078,627; Nov. 18; Gaz. vol. 196; p. 539.
- Kelly, John H., Stanton, and J. H. Mershon, Van Alstyne, Tex. Blade. No. 1,067,347; July 15; Gaz. vol. 192; p. 566.
- Kelly, John L., assignor of one-half to F. H. Skinner, Chicago, Ill. Dental instrument. (Reissue.) No. 1,362,1; Sept. 30; Gaz. vol. 194; p. 1121.
- Kelly, John L., and P. L. McArdle, Chicago, Ill. Golf-club. No. 1,064,916; June 17; Gaz. vol. 191; p. 663.
- Kelly, John R., Chapin, S. C. Combined rake and fork. No. 1,062,241; May 20; Gaz. vol. 190; p. 648.
- Kelly, John T., Brooklyn, N. Y., assignor of one-half to G. M. Jones, Pittsburgh, Pa. Expansion-joint. No. 1,079,350; Nov. 25; Gaz. vol. 196; p. 820.
- Kelly Manufacturing Company, The. (See Cherry and Melendy, assignors.)
- Kelly, Mary H. (See Kelly, William S., assignor.)
- Kelly, Michael, New York, N. Y. Water-jacketed stove. No. 1,060,458; Apr. 29; Gaz. vol. 189; p. 1209.
- Kelly, Patrick J., Denver, Colo. Combined automatic trap and damper control for steam-heating systems. No. 1,059,302; Apr. 15; Gaz. vol. 189; p. 738.
- Kelly, Robert, West Hoboken, N. J. Sled. No. 1,080,457; Dec. 2; Gaz. vol. 197; p. 189.
- Kelly, Robert E., Coconut Grove, Fla. Elastic pocket for garments. No. 1,062,160; May 20; Gaz. vol. 190; p. 621.
- Kelly, Samuel J., White Plains, N. Y., assignor to Autosales Gum and Chocolate Company. Coin-controlled lock. (Reissue.) No. 1,3587; July 1; Gaz. vol. 192; p. 193.
- Kelly, Samuel J., White Plains, N. Y., and J. A. Webster, Rutherford, N. J., assignors to Autosales Gum and Chocolate Company, New York, N. Y. Two-compartment coin-controlled vending-machine. No. 1,076,769; Oct. 28; Gaz. vol. 195; p. 861.
- Kelly, Thomas J., Fosston, Minn. Potato-planter hopper. No. 1,075,040; Oct. 7; Gaz. vol. 195; p. 155.
- Kelly, Timothy J., Chicago, Ill. Bill-book. No. 1,068,592; July 29; Gaz. vol. 192; p. 1060.
- Kelly, W. J., et al. (See Watkins, Orla H., assignor.)
- Kelly, William, Memphis, Tenn. Smoke-consumer. No. 1,062,473; May 20; Gaz. vol. 190; p. 724.
- Kelly, William D., Beechwood Park, Pa. Valve mechanism for explosive-engines. No. 1,074,121; Sept. 30; Gaz. vol. 194; p. 964.
- Kelly, William D., assignor to Kelbur Manufacturing Company, Chicago, Ill. Woodworking-machine. No. 1,058,441; Apr. 8; Gaz. vol. 189; p. 405.
- Kelly, William J., Denver, Colo. Tailor's chalk-sharpener. No. 1,056,029; Mar. 18; Gaz. vol. 188; p. 532.
- Kelly, William J., Denver, Colo. Nail-file. No. 1,069,269; Aug. 5; Gaz. vol. 193; p. 64.
- Kelly, William S., Cosmopolis, assignor to M. H. Kelly, Aberdeen, Wash. Shovel. No. 1,062,474; May 20; Gaz. vol. 190; p. 725.
- Kelsea, Clarence H., Lynn, Mass. Humidor. No. 1,074,871; Oct. 7; Gaz. vol. 195; p. 96.
- Kelsey, Edgar A., Mount Vernon, assignor to Nathan Manufacturing Company, New York, N. Y. Lubricator. No. 1,055,540; Mar. 11; Gaz. vol. 188; p. 333.
- Kelsey, Glenn, Kinzua, Pa. Barrel-bung. No. 1,055,473; Mar. 11; Gaz. vol. 188; p. 312.
- Kelso, Alexander C. (See Dingee, Charles R., assignor.)
- Kelso, James E., Rochester, N. Y., assignor to American Laundry Machinery Company, Cincinnati, Ohio. Stripping mechanism for conveyers. No. 1,073,907; Sept. 23; Gaz. vol. 194; p. 862.
- Kelso, Joseph. (See Kelso, William and J.)
- Kelso, Joseph, assignor to McConway & Torley Company, Pittsburgh, Pa. Car-coupling. No. 1,067,925; July 22; Gaz. vol. 192; p. 793.
- Kelso, Ralph S. (See Moffatt and Kelso.)
- Kelso, William and J., assignors to The McConway & Torley Company, Pittsburgh, Pa. Uncoupling mechanism. No. 1,066,282; July 1; Gaz. vol. 192; p. 135.
- Keltie, Alexander R., Boston, Mass. Handpiece for dental engines. No. 1,056,341; Mar. 18; Gaz. vol. 188; p. 636.
- Keltner, Claud, Covington, Okla. Milk-pail strainer. No. 1,055,541; Mar. 11; Gaz. vol. 188; p. 334.

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- Keltner, Delmar D., Des Moines, Iowa. Plick. No. 1,078,585; Nov. 11; Gaz. vol. 196; p. 493.
- Keltner, Delmar D., Des Moines, Iowa. Smoke-consuming mechanism. No. 1,078,927; Nov. 18; Gaz. vol. 196; p. 644.
- Kelty, Harry A., New Castle, Pa. Telegrapher's key-button cushion. No. 1,058,598; Apr. 8; Gaz. vol. 189; p. 457.
- Kelty, Howard, Franktown, Colo. Stove-mat. No. 1,072,333; Sept. 2; Gaz. vol. 194; p. 223.
- Keltz, Eugene L., assignor of one-half to J. M. Rhoads, Vernon, Tex. Type-writer cabinet. No. 1,059,614; Apr. 22; Gaz. vol. 189; p. 880.
- Kemble, William F., Rockaway Beach, and C. R. Underhill, Yonkers, N. Y., assignors of one-half to C. S. Champlon, Ridgewood, N. J. Accounting-exchange. No. 1,062,102; May 20; Gaz. vol. 190; p. 601.
- Kemmerer, Charles, Barberton, Ohio. Combined rail-chair fastener. No. 1,066,624; July 8; Gaz. vol. 192; p. 281.
- Kemmler, John A., assignor of one-half to O. Klopfer, Philadelphia, Pa. Bedstead. No. 1,068,345; July 22; Gaz. vol. 192; p. 938.
- Kemp, Charles E. (See Kemp, Clarence M. and C. E.)
- Kemp, Clarence M., Baltimore, Md., assignor, by mesne assignments, to M. D. Colbath, Hamden, Me. Carbureter. No. 1,069,068; July 29; Gaz. vol. 192; p. 1226.
- Kemp, Clarence M. and C. E., assignors to C. M. Kemp Manufacturing Co., Baltimore, Md. Pipe-testing plug. No. 1,077,352; Nov. 4; Gaz. vol. 196; p. 39.
- Kemp, George. (See Philp, Kemp, and Gibbons.)
- Kemp, George W., Tallapoosa, Ga. Mop-head. No. 1,065,140; June 17; Gaz. vol. 191; p. 737.
- Kemp, Thomas S., Clarendon, Tex. Pump-rod coupling. No. 1,067,819; July 22; Gaz. vol. 192; p. 758.
- Kemp, William R. A., Malda Road, Epping, near Sydney, New South Wales, Australia. Device for stringing and cutting beans for cooking. No. 1,060,605; May 6; Gaz. vol. 190; p. 14.
- Kemp, William W., and W. H. Van Horn, Baltimore, Md. Brazing-burner. No. 1,066,915; July 8; Gaz. vol. 192; p. 381.
- Kemp, William W., and W. H. Van Horn, Baltimore, Md. Burner. No. 1,074,626; Oct. 7; Gaz. vol. 195; p. 13.
- Kempe, Paul, Milwaukee, Wis. Bottle-washer. No. 1,076,889; Oct. 28; Gaz. vol. 195; p. 905.
- Kemper, Arthur. (See Kemper, Robert E. and A.)
- Kemper, Charles W. (See Kemper, John T. and C. W.)
- Kemper, John T. and C. W., Garberville, Cal. Car-door hasp. No. 1,078,928; Nov. 18; Gaz. vol. 196; p. 644.
- Kemper, Robert E. and A., Rensselaer, N. Y. Machine for feeding sheets and like articles. No. 1,052,257; Feb. 4; Gaz. vol. 187; p. 143.
- Kemper-Thomas Company, The. (See Henderson, Charles F., assignor.)
- Kempf, Edward L. (See Jaufroid, Joseph E., assignor.)
- Kempf, Henry J., assignor to Berger Machine Company, Springfield, Mass. Gum-wrapping machine. No. 1,060,983; May 6; Gaz. vol. 190; p. 147.
- Kempf, Henry J., assignor to Package Machinery Company, Springfield, Mass. Wrapping-machine. No. 1,079,012; Nov. 18; Gaz. vol. 196; p. 675.
- Kempshall, Eleazer, Chevy Chase, Md., assignor, by mesne assignments, to Kempshall Fast Color Tip Company. Shoe-lace. No. 1,073,496; Sept. 16; Gaz. vol. 194; p. 699.
- Kempshall, Eleazer, New York, N. Y., assignor to Kempshall Supply Company. Drawing-roll. No. 1,073,993; Sept. 23; Gaz. vol. 194; p. 893.
- Kempshall, Eleazer, New York, N. Y., assignor to Kempshall Supply Company. Drawing-roll. No. 1,073,994; Sept. 23; Gaz. vol. 194; p. 893.
- Kempshall, Eleazer, New York, N. Y., assignor to Kempshall Supply Company. Spinning-roll. No. 1,074,503; Sept. 30; Gaz. vol. 194; p. 1089.
- Kempshall, Eleazer, New York, N. Y., assignor to Kempshall Supply Company. Spinning-roll. No. 1,074,504; Sept. 30; Gaz. vol. 194; p. 1089.
- Kempshall, Eleazer, New York, N. Y., assignor to Kempshall Supply Company. Spinning-roll. No. 1,074,505; Sept. 30; Gaz. vol. 194; p. 1089.
- Kempshall, Eleazer, New York, N. Y., assignor to Kempshall Supply Company. Forming drawing-rolls for spinning-machines. No. 1,074,590; Sept. 30; Gaz. vol. 194; p. 1118.
- Kempshall Fast Color Tip Company. (See Kempshall, Eleazer, assignor.)
- Kempshall Supply Company. (See Kempshall, Eleazer, assignor.)
- Kempster, Daniel E., Boston, Mass. Handle or ball-making machine. No. 1,070,696; Aug. 19; Gaz. vol. 193; p. 623.
- Kempthorn, Herbert. (See Bippus, Kempthorn, and Pascoe.)
- Kempton, Osman B., Lander, Wyo. Gate-hinge. No. 1,072,957; Sept. 9; Gaz. vol. 194; p. 474.
- Kempton, Willard H. (See Mead and Kempton.)
- Kempton, Willard H., Mansfield, Ohio, assignor to The Johns-Pratt Company, Hartford, Conn. Insulator. (Reissue.) No. 13,526; Feb. 11; Gaz. vol. 187; p. 477.
- Kendall, Edward D., Elizabeth, N. J., assignor of one-fourth to F. M. Ashley, Brooklyn, and one-fourth to D. Q. Brown, New York, N. Y. Controlling device for internal-combustion engines. No. 1,073,051; Sept. 9; Gaz. vol. 194; p. 507.
- Kendall, George M., New York, N. Y. Pasteurizer. No. 1,070,484; Aug. 19; Gaz. vol. 193; p. 552.
- Kendall, Hubert A., Kansas City, Mo. Door-check. No. 1,074,798; Oct. 7; Gaz. vol. 195; p. 73.
- Kendall, James O., and T. O. Robinson, Hanford, Cal. Automobile-lamp. No. 1,055,542; Mar. 11; Gaz. vol. 188; p. 334.
- Kendall, Marvin R., Ithaca, N. Y. Aeroplane-clutch. No. 1,059,372; Apr. 22; Gaz. vol. 189; p. 799.
- Kendall, Theron E., and F. E. Warren, Gilmore City, Iowa. Horse-releaser. No. 1,053,611; Feb. 18; Gaz. vol. 187; p. 682.
- Kendall, William G., Newark, N. J. Non-refillable bottle. No. 1,056,797; Mar. 25; Gaz. vol. 188; p. 825.
- Kendall, William G., Newark, N. J. Top for receptacles. No. 1,067,523; July 15; Gaz. vol. 192; p. 624.
- Kendall, William G., Newark, N. J. Top for receptacles. No. 1,070,697; Aug. 19; Gaz. vol. 193; p. 623.
- Kendall, William G., Newark, N. J., assignor of one-half to F. S. Mason, New York, N. Y. Box-filling machine. No. 1,082,876; Dec. 30; Gaz. vol. 197; p. 1142.
- Kendall, William G., Newark, and K. Shepard, East Orange, N. J. Fastener for clothes-lines and the like. No. 1,082,751; Dec. 30; Gaz. vol. 197; p. 1099.
- Kendig, Harvey E. (See Welsh, William H., assignor.)
- Kendig, Jacob S., assignor to Keystone Farm Machine Company, York, Pa. Planter and fertilizer-distributor. No. 1,069,016; July 29; Gaz. vol. 192; p. 1208.
- Kendig, Witmer J., Lancaster, Pa. Sewing-needle. No. 1,073,140; Sept. 16; Gaz. vol. 194; p. 574.
- Kendrick, Arthur B., East Orange, N. J., assignor to J. R. Kendrick Co., Inc., Philadelphia, Pa. Abdominal belt or supporter. No. 1,063,922; June 3; Gaz. vol. 191; p. 258.
- Kendrick, Frank J., assignor of forty-nine one-hundredths to D. E. McCarthy, Schenectady, N. Y. Milk-bottle. No. 1,062,542; May 20; Gaz. vol. 190; p. 746.
- Kendrick, Jack C., Fort Smith, Ark. Rake. No. 1,066,283; July 1; Gaz. vol. 192; p. 136.
- Kendrick, John W., Chicago, Ill. Machine for making plugs for railway-ties. No. 1,063,697; June 3; Gaz. vol. 191; p. 184.
- Kendrick, John W., Chicago, Ill. Apparatus for preparing railway-ties. No. 1,068,666; July 29; Gaz. vol. 192; p. 1087.
- Kendrick, John W., Chicago, Ill. Tool-car. No. 1,072,618; Sept. 9; Gaz. vol. 194; p. 352.
- Kendrick, John W., Chicago, Ill. Railway tie-plate. No. 1,077,720; Nov. 4; Gaz. vol. 196; p. 163.
- Kendrick, Karl A., Detroit, Mich. Spring vehicle-wheel. No. 1,071,926; Sept. 2; Gaz. vol. 194; p. 89.
- Kendrick, Karl A., assignor of one-half to H. Geer, Detroit, Mich. Differential mechanism. No. 1,049,869; Jan. 7; Gaz. vol. 186; p. 188.
- Kenely, William J., Elizabeth, N. J. Heating-flue. No. 1,073,351; Sept. 16; Gaz. vol. 194; p. 650.
- Kenerson, Everett W., Haverhill, Mass. Detachable-tool holder. No. 1,071,433; Aug. 26; Gaz. vol. 193; p. 902.
- Kenfield, William L., assignor to Detroit Lubricator Company, Detroit, Mich. Lubricator-pump. No. 1,069,145; Aug. 5; Gaz. vol. 193; p. 19.
- Kenkel, John E., Great Falls, Mont. Attachment for shoe-brushes. No. 1,063,129; May 27; Gaz. vol. 190; p. 982.
- Kennaird, Thomas E., Roseville, Ky. Evaporator. No. 1,051,959; Feb. 4; Gaz. vol. 187; p. 39.
- Kennard, Leroy, Sharpsburg, Ohio. Vehicle. No. 1,065,876; June 24; Gaz. vol. 191; p. 1024.
- Kennedy, Alfred D., Greenville, S. C., assignor of one-half to American Machine & Manufacturing Company. Seed-cleaning machine. No. 1,075,480; Oct. 14; Gaz. vol. 195; p. 335.
- Kennedy, Arthur M., Philadelphia, Pa. Shoe-lace fastener. No. 1,055,048; Mar. 4; Gaz. vol. 188; p. 135.
- Kennedy, Charles O., Servia, Ind. Speed-governor device. No. 1,062,780; May 27; Gaz. vol. 190; p. 867.
- Kennedy, Charles W., and J. J. Herron, Schenectady, N. Y. Deodorizer. No. 1,060,766; May 6; Gaz. vol. 190; p. 69.
- Kennedy, Daniel J., Yonkers, N. Y. Boxing-glove. No. 1,057,848; Apr. 1; Gaz. vol. 189; p. 156.
- Kennedy, David E., New York, N. Y. Laying floor-tile. No. 1,054,423; Feb. 25; Gaz. vol. 187; p. 995.
- Kennedy, David E., New York, N. Y. Tile flooring. No. 1,054,424; Feb. 25; Gaz. vol. 187; p. 996.
- Kennedy, David S., Brooklyn, N. Y., assignor to Mergenthaler Linotype Company. Line-casting machine. No. 1,063,267; June 3; Gaz. vol. 191; p. 33.
- Kennedy, David S., Brooklyn, N. Y., assignor to Mergenthaler Linotype Company. Typographical composing-machine. No. 1,064,487; June 10; Gaz. vol. 191; p. 486.
- Kennedy, David S., Brooklyn, N. Y., assignor to Mergenthaler Linotype Company. Line-casting machine. No. 1,066,625; July 8; Gaz. vol. 192; p. 281.

Alphabetical list of patentees—Continued.

- Kennedy, David S., Brooklyn, N. Y., assignor to Mergenthaler Linotype Company. Line-casting machine. No. 1,070,485; Aug. 19; Gaz. vol. 193; p. 552.
- Kennedy, David S., Brooklyn, N. Y., assignor to Mergenthaler Linotype Company. Typographical machine. No. 1,072,737; Sept. 9; Gaz. vol. 194; p. 394.
- Kennedy, David S., Brooklyn, N. Y., assignor to Mergenthaler Linotype Company. Typographical machine. No. 1,074,956; Oct. 7; Gaz. vol. 195; p. 124.
- Kennedy, David S., Brooklyn, N. Y., assignor to Mergenthaler Linotype Company. Typographical machine. No. 1,077,721; Nov. 4; Gaz. vol. 196; p. 164.
- Kennedy, David S., Brooklyn, N. Y., assignor to Mergenthaler Linotype Company. Typographical machine. No. 1,079,498; Nov. 25; Gaz. vol. 196; p. 871.
- Kennedy, David S., Brooklyn, N. Y., assignor to Mergenthaler Linotype Company. Typographical composing-machine. No. 1,080,348; Dec. 2; Gaz. vol. 197; p. 152.
- Kennedy, David S., Brooklyn, N. Y., assignor to Mergenthaler Linotype Company. Typographical composing-machine. No. 1,081,753; Dec. 16; Gaz. vol. 197; p. 693.
- Kennedy, David S., Brooklyn, N. Y., assignor to Mergenthaler Linotype Company. Typographical machine. No. 1,081,754; Dec. 16; Gaz. vol. 197; p. 693.
- Kennedy, Ernest N. (See Kennedy, Jerome F. and E. N.)
- Kennedy, Frances X., Philadelphia, Pa. Game apparatus. No. 1,070,039; Aug. 12; Gaz. vol. 193; p. 356.
- Kennedy, Frank B. (See Littlejohn, Charles F., assignor.)
- Kennedy, Frank M., Clarendon, Ark. Preventing molding in shaped timber. No. 1,059,879; Apr. 22; Gaz. vol. 189; p. 966.
- Kennedy, Frank M., Clarendon, Ark. Machine for forming barrel-staves. No. 1,064,488; June 10; Gaz. vol. 191; p. 487.
- Kennedy, Frank W., Trenton, N. J., assignor to De Laval Steam Turbine Company, New York, N. Y. Rotor construction. No. 1,075,577; Oct. 14; Gaz. vol. 195; p. 368.
- Kennedy, George C., Waterloo, Iowa. Seed-tester. No. 1,053,733; Feb. 18; Gaz. vol. 187; p. 725.
- Kennedy, George C., Waterloo, Iowa. Marble-gun. No. 1,077,142; Oct. 28; Gaz. vol. 195; p. 989.
- Kennedy, George R., assignor of one-half to G. McCargo, Pittsburgh, Pa. Lubricator. No. 1,071,754; Sept. 2; Gaz. vol. 194; p. 29.
- Kennedy, Guy L., assignor to National Carbonated Liquid Co., San Francisco, Cal. Atomizer. No. 1,059,615; Apr. 22; Gaz. vol. 189; p. 881.
- Kennedy, Guy L., assignor to National Carbonated Liquid Company, San Francisco, Cal. Fluid-pressure-regulating gage. No. 1,079,600; Nov. 25; Gaz. vol. 196; p. 907.
- Kennedy, Harold H., Indianapolis, Ind., assignor to The Waverly Company. Steering-knuckle. No. 1,060,606; May 6; Gaz. vol. 190; p. 14.
- Kennedy, Harold H., assignor to The Waverly Company, Indianapolis, Ind. Motor suspension and drive. No. 1,063,040; May 27; Gaz. vol. 190; p. 953.
- Kennedy, Harold H., assignor to The Waverly Company, Indianapolis, Ind. Vehicle battery-box construction. No. 1,067,256; July 15; Gaz. vol. 192; p. 533.
- Kennedy, James E., Washington, D. C. Burner for gas-stoves. No. 1,070,812; Aug. 19; Gaz. vol. 193; p. 661.
- Kennedy, Jerome F. and E. N., London, England. Motor-car screen. No. 1,080,458; Dec. 2; Gaz. vol. 197; p. 190.
- Kennedy, John D., New Kensington, Pa. Demountable rim. No. 1,064,342; June 10; Gaz. vol. 191; p. 435.
- Kennedy, John H., *et al.* (See Morgan, John B., assignor.)
- Kennedy, Joseph, New York, N. Y. Concrete-insert. No. 1,052,149; Feb. 4; Gaz. vol. 187; p. 106.
- Kennedy, Joseph, New York, N. Y. Nail-anchor. No. 1,052,347; Feb. 4; Gaz. vol. 187; p. 171.
- Kennedy, Joseph, New York, N. Y. Wall-socket. No. 1,052,830; Feb. 11; Gaz. vol. 187; p. 369.
- Kennedy, Joseph, New York, N. Y. Stay-washer. No. 1,061,480; May 13; Gaz. vol. 190; p. 350.
- Kennedy, Julian, Pittsburgh, Pa. Rolling-mill guide. No. 1,061,676; May 13; Gaz. vol. 190; p. 420.
- Kennedy, Julian, Pittsburgh, Pa. Downcomer construction for blast-furnaces. No. 1,064,343; June 10; Gaz. vol. 191; p. 435.
- Kennedy, Julian, Pittsburgh, Pa. Metal-manipulator. No. 1,073,607; Sept. 23; Gaz. vol. 194; p. 758.
- Kennedy, Lawrence F., Minneapolis, Minn. Gun-stock. No. 1,051,960; Feb. 4; Gaz. vol. 187; p. 40.
- Kennedy, Luther L., Brooklyn, N. Y., assignor to Mergenthaler Linotype Company. Typographical machine. No. 1,080,349; Dec. 2; Gaz. vol. 197; p. 152.
- Kennedy-McGregor, John A., Sutton Coldfield, England. Advertising device for railway-carriages, road-vehicles, and the like. No. 1,066,626; July 8; Gaz. vol. 192; p. 282.
- Kennedy, Robert, Glasgow, Scotland. Milking-machine. No. 1,064,489; June 10; Gaz. vol. 191; p. 487.
- Kennedy, Samuel H., Tunnel Hill, Ga. Vehicle steering mechanism. No. 1,058,758; Apr. 15; Gaz. vol. 189; p. 549.
- Kennedy, Thomas C., Baltimore, Md. Bait-bucket. No. 1,054,561; Feb. 25; Gaz. vol. 187; p. 1040.
- Kennedy, William A., and J. Evans, Wichita, Kans. Covering for hay, grain, &c. No. 1,061,547; May 13; Gaz. vol. 190; p. 374.
- Kennedy, William C., near Jewett, Tex. Pinless clothes-line. No. 1,071,434; Aug. 26; Gaz. vol. 193; p. 902.
- Kennedy, William G., Matador, Tex. Collar. No. 1,081,121; Dec. 9; Gaz. vol. 197; p. 444.
- Kennedy, William H., Chicago, Ill. Coupling. No. 1,069,146; Aug. 5; Gaz. vol. 193; p. 19.
- Kennedy, William J., Greenville, Tex. Ironing-table. No. 1,060,459; Apr. 29; Gaz. vol. 189; p. 1210.
- Kennemer, James O., Mullin, Tex. Riding-cultivator. No. 1,066,284; July 1; Gaz. vol. 192; p. 136.
- Kennerknecht, Adalbert, Cologne, Germany. Bottle-closing device. No. 1,058,867; Apr. 15; Gaz. vol. 189; p. 588.
- Kenney, Andrew E., North Plainfield, N. J. Curtainless shower-bath. No. 1,054,922; Mar. 4; Gaz. vol. 188; p. 91.
- Kenney, Charles H., New London, Conn. Muffler or silencer for gas-engines. No. 1,074,627; Oct. 7; Gaz. vol. 195; p. 14.
- Kenney, Charles H., assignor, by mesne assignments, to The American Speed Indicator Company, New London, Conn. Marine speedometer. No. 1,077,533; Nov. 4; Gaz. vol. 196; p. 103.
- Kenney, Charles P. (See Bready, Joseph W., assignor.)
- Kenney, David T., North Plainfield, N. J., assignor, by mesne assignments, to The Vacuum Cleaner Company. Apparatus for removing dust. No. 1,057,347; Mar. 25; Gaz. vol. 188; p. 1013.
- Kenney, Edmund J., Towson, Md. Roofing-nail. No. 1,052,258; Feb. 4; Gaz. vol. 187; p. 143.
- Kenney, Edward F. (See Wolle and Kenney.)
- Kenney, Owen E. (See Chapman and Kenney.)
- Kennicott, Cass L., Chicago Heights, assignor to The Kennicott Company, Chicago, Ill. Tank-car. No. 1,067,348; July 15; Gaz. vol. 192; p. 566.
- Kennicott, Cass L., Chicago Heights, assignor to The Kennicott Company, Chicago, Ill. Tank-car construction. No. 1,073,423; Sept. 16; Gaz. vol. 194; p. 674.
- Kennicott Company, The. (See Kennicott, Cass L., assignor.)
- Kennington, George W., New York, N. Y. Vault-door. No. 1,082,340; Dec. 23; Gaz. vol. 197; p. 924.
- Kenny, John, New York, N. Y., assignor to John Simmons Company. Incased concrete piling. No. 1,068,779; July 29; Gaz. vol. 192; p. 1126.
- Kenny, John, New York, N. Y., assignor to John Simmons Company. Incased concrete piling. No. 1,080,283; Dec. 2; Gaz. vol. 197; p. 128.
- Kenny, John P., Rochester, N. Y. Pneumatic sole for shoes and boots. No. 1,056,426; Mar. 18; Gaz. vol. 188; p. 667.
- Kenny, Michael J., Chicago, assignor of one-half to R. C. Ross, Wilmette, Ill. Door holder and stop. No. 1,073,243; Sept. 16; Gaz. vol. 194; p. 611.
- Kenny, Paul T., New York, N. Y. Safety indicator and control for elevators. No. 1,054,923; Mar. 4; Gaz. vol. 188; p. 91.
- Kent, Arthur A., Philadelphia, Pa. Electric device. No. 1,082,810; Dec. 30; Gaz. vol. 197; p. 1119.
- Kent, Arthur A., Philadelphia, Pa. Device for uniting insulated conductors of electricity. No. 1,082,811; Dec. 30; Gaz. vol. 197; p. 1120.
- Kent, Bert M., *et al.* (See Kent, Eugene M., assignor.)
- Kent, Burton M., assignor to American Cutlery Company, Chicago, Ill. Weighing-scale. No. 1,064,971; June 17; Gaz. vol. 191; p. 683.
- Kent, David A., Jewell, Iowa. Neck-protector for draft-animals. No. 1,056,342; Mar. 18; Gaz. vol. 188; p. 637.
- Kent, Edward C., Pasadena, L. Giles, Venice, and G. A. Lyster, assignors, by mesne assignments, to Pacific Heating & Manufacturing Co., Los Angeles, Cal. Hot-air furnace. No. 1,076,209; Oct. 21; Gaz. vol. 195; p. 611.
- Kent, Eugene M., assignor of one-third to F. T. Kent, one-third to G. E. Kent, Rome, N. Y., and one-third to B. M. Kent, Washington, D. C. Vacuum cleaning-tool. No. 1,060,191; Apr. 29; Gaz. vol. 189; p. 1115.
- Kent, Fay T., *et al.* (See Kent, Eugene M., assignor.)
- Kent, Frederick W., London, England. Musical top. No. 1,053,040; Feb. 11; Gaz. vol. 187; p. 440.
- Kent, Gordon E., *et al.* (See Kent, Eugene M., assignor.)
- Kent, Henry A., Bound's Green, and H. G. Lacell, Finchley, assignors to Silica Syndicate Limited, London, England. Silica-glass electric appliance. No. 1,054,647; Feb. 25; Gaz. vol. 187; p. 1070.
- Kent, Henry A., Bound's Green, and H. G. Lacell, Finchley, assignors to The Silica Syndicate Limited, London, England. Mercury and other vapor electric lamp. No. 1,055,185; Mar. 4; Gaz. vol. 188; p. 178.
- Kent, John, Harrisburg, Ill. Railway-joint. No. 1,055,919; Mar. 11; Gaz. vol. 188; p. 460.
- Kent, John T., Douglas, Ariz. Door-stop. No. 1,057,434; Apr. 1; Gaz. vol. 189; p. 14.
- Kent, Joseph C., trustee. (See Bill, Lester A., assignor.)
- Kent, Joseph C., trustee. (See Prince, Wallace A., assignor.)

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- Kent, Leonard W., New York, N. Y., assignor to The P. & M. Co., Chicago, Ill. Means for preventing the creeping of railway-rails. No. 1,080,067; Dec. 2; Gaz. vol. 197; p. 52.
- Kent, Robert S., Brooklyn, N. Y. Kiln for drying char. No. 1,058,369; Apr. 8; Gaz. vol. 189; p. 380.
- Kent, William, Newton, Mass. Oil heater and forcer. No. 1,052,002; Feb. 4; Gaz. vol. 187; p. 54.
- Kent, William J., New York, N. Y. Machine for cutting sugar-cane trash. No. 1,070,346; Aug. 12; Gaz. vol. 193; p. 461.
- Kentana, Louis, assignor of one-half to F. Hassard, Brooklyn, N. Y. Tie. No. 1,070,813; Aug. 19; Gaz. vol. 193; p. 662.
- Kentucky Tobacco Product Company, The. (See Sartig, Johannes, assignor.)
- Kenway, Herbert W., Newton, Mass., assignor to United Shoe Machinery Company, Paterson, N. J. Machine for operating on heels. No. 1,080,150; Dec. 2; Gaz. vol. 197; p. 81.
- Kenwell, Gerald A. (See Murdock, Allen C., assignor.)
- Kenworthy, Alvin C., Huntsville, Wash. Washing-machine. No. 1,067,176; July 8; Gaz. vol. 192; p. 469.
- Kenworthy, Charles A., New York, N. Y. Intermittent-grip device. No. 1,080,637; Dec. 9; Gaz. vol. 197; p. 281.
- Kenyon, Arthur D., and E. D. Thayer, Denver, Colo. Means for starting internal-combustion engines. No. 1,067,257; July 15; Gaz. vol. 192; p. 534.
- Kenyon, Charlie E., Newark, N. J. Sound-controller for talking-machines. No. 1,059,939; Apr. 22; Gaz. vol. 189; p. 986.
- Kenyon, Harrie B., assignor to The Kenyon Searchlight Company, Bedford, Ohio. Search-lamp. No. 1,058,442; Apr. 8; Gaz. vol. 189; p. 406.
- Kenyon, Roy L., Waukesha, Wis. Flexible window-fitting for canvas-covered buildings and the like. No. 1,068,503; July 29; Gaz. vol. 192; p. 1030.
- Kenyon Searchlight Company, The. (See Kenyon, Harrie B., assignor.)
- Kepler, Irwin F., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Life-preserver. No. 1,064,743; June 17; Gaz. vol. 191; p. 609.
- Kepler, Irwin F., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Water bottle or bag. No. 1,074,269; Sept. 30; Gaz. vol. 194; p. 1013.
- Kepler, Jesse H. W., Preble county, near Eaton, Ohio. Resilient wheel. No. 1,069,553; Aug. 5; Gaz. vol. 193; p. 161.
- Keplinger, Karl, Stuttgart, Germany, assignor to J. Dotzler, Templeton, Iowa. Hat-fastener. No. 1,054,648; Feb. 25; Gaz. vol. 187; p. 1070.
- Keppel & Company. (See Keppel, Richard J., assignor.)
- Keppel, John J., Dunedin, assignor of one-half to S. A. Lyttle, Outram Otago, New Zealand. Wire-strainer. No. 1,074,872; Oct. 7; Gaz. vol. 195; p. 96.
- Keppel, Richard J., Philadelphia, assignor to Keppel & Company, Chester, Pa. Lock. No. 1,079,351; Nov. 25; Gaz. vol. 196; p. 820.
- Kepple, William H., S. Anderson, and W. O. Hickok, 3rd, assignors to The W. O. Hickok Manufacturing Co., Harrisburg, Pa. Card-feeder. No. 1,058,868; Apr. 15; Gaz. vol. 189; p. 589.
- Keppler, Theodore L., Brookline, assignor to American Sugar Refining Company, Boston, Mass. Scale. No. 1,056,281; Mar. 18; Gaz. vol. 188; p. 618.
- Ker, Charles A., assignor of one-third to A. Wilson and one-third to W. A. Ker, Glasgow, Scotland. Rocking-gear for mill-engraving. No. 1,055,186; Mar. 4; Gaz. vol. 188; p. 178.
- Ker, Charles A., assignor of one-third to A. Wilson and one-third to W. A. Ker, Glasgow, Scotland. Engraving-machine. No. 1,079,559; Nov. 25; Gaz. vol. 196; p. 892.
- Ker, William A., *et al.* (See Ker, Charles A., assignor.)
- Kercher, Gilbert N., assignor, by mesne assignments, to Safe, Vault and Protection Company, Los Angeles, Cal. Static-pressure system for the protection of electrical conductors. No. 1,082,272; Dec. 23; Gaz. vol. 197; p. 900.
- Keresztfalvy, Anton, New York, N. Y. Exercising-stick. No. 1,077,836; Nov. 4; Gaz. vol. 196; p. 203.
- Kerk, Charles H., Wayne, Pa. Making platinum-covered pins. No. 1,081,451; Dec. 16; Gaz. vol. 197; p. 594.
- Kerlin, John F., Lakewood, assignor to The National Carbon Co., Cleveland, Ohio. Projector-carbon. No. 1,065,141; June 17; Gaz. vol. 191; p. 737.
- Kerlinger, Lillie F., Philadelphia, Pa. Strainer measuring-cup. No. 1,073,141; Sept. 16; Gaz. vol. 194; p. 574.
- Kern, George, Peru, Ill., assignor to Western Clock Co. Clock. No. 1,073,608; Sept. 23; Gaz. vol. 194; p. 759.
- Kern, George, Peru, assignor to Western Clock Co., La Salle, Ill. Alarm-clock. No. 1,078,858; Nov. 18; Gaz. vol. 196; p. 621.
- Kern, George W., Oil City, Pa. Impelling device for fluid-circulating systems. No. 1,082,594; Dec. 30; Gaz. vol. 197; p. 1043.
- Kern, Louise R., Atlantic City, N. J., assignor to Mercantile Advertising Company, New York, N. Y. Novelty rolling chair for dolls and infants. No. 1,063,884; June 3; Gaz. vol. 191; p. 243.
- Kern, Murrel A. (See Evelyn, Henry C., assignor.)
- Kern, William S., Wilkes-Barre, Pa. Apparatus for separating the solid and liquid constituents of fruit and vegetables. No. 1,053,184; Feb. 18; Gaz. vol. 187; p. 533.
- Kernaghan, William J. (See Huye, Joseph G., assignor.)
- Kerner, John, New York, N. Y. Internal-combustion engine. No. 1,082,341; Dec. 23; Gaz. vol. 197; p. 925.
- Kerner Manufacturing Company. (See Dodds, Ethan I., assignor.)
- Kerngood, Herman, assignor to Alma Manufacturing Company of Baltimore City, Baltimore, Md. Sliding-tongue buckle. No. 1,049,732; Jan. 7; Gaz. vol. 186; p. 141.
- Kerngood, Herman, assignor to Alma Manufacturing Company of Baltimore City, Baltimore, Md. Cast-off buckle. No. 1,059,303; Apr. 15; Gaz. vol. 189; p. 739.
- Kernodle, William F. (See McDaniel and Kernodle.)
- Kerns, Elmer E., Bradford, Pa. Spring-wheel. No. 1,067,349; July 15; Gaz. vol. 192; p. 566.
- Kerns, Francis T., Behler, W. Va. Wheel. No. 1,060,460; Apr. 29; Gaz. vol. 189; p. 1210.
- Kerpely, Anton von, Vienna, Austria-Hungary. Water seal for gas-producers working with high-pressure blast. No. 1,078,148; Nov. 11; Gaz. vol. 196; p. 343.
- Kerr, Alexander. (See Collins, Kerr, and Russell.)
- Kerr, Charles V., Wellsville, N. Y. Flexible shaft-coupling. No. 1,073,690; Sept. 23; Gaz. vol. 194; p. 789.
- Kerr, Charles V., assignor to McEwen Bros., Wellsville, N. Y. Blower. No. 1,080,763; Dec. 9; Gaz. vol. 197; p. 326.
- Kerr, David E., and H. Wilson, Conneaut, Ohio. Cathodic electrode. No. 1,076,210; Oct. 21; Gaz. vol. 195; p. 612.
- Kerr, Frank L., Alexandria, Ind., assignor of one-half to E. E. Willey, Atlantic, Mass. Foot-measuring device. No. 1,067,987; July 22; Gaz. vol. 192; p. 813.
- Kerr, Henry N., assignor to M. E. Kerr, Philadelphia, Pa. Lamp. No. 1,062,340; May 20; Gaz. vol. 190; p. 681.
- Kerr, James W. L., West View, and C. V. Neeson, assignors to Lawrenceville Bronze Co., Pittsburgh, Pa. Core-box. No. 1,075,289; Oct. 7; Gaz. vol. 195; p. 244.
- Kerr, James W. L., West View, and C. V. Neeson, assignors to Lawrenceville Bronze Co., Pittsburgh, Pa. Mold for hollow articles. No. 1,075,290; Oct. 7; Gaz. vol. 195; p. 244.
- Kerr, John W., Orlando, Fla. Quickly-adjustable stirrup-leather. No. 1,072,958; Sept. 9; Gaz. vol. 194; p. 475.
- Kerr, Mary E. (See Kerr, Henry N., assignor.)
- Kerr Turbine Company. (See Moore, James L., assignor.)
- Kerr, William F., assignor of one-half to H. C. Harding, Los Angeles, Cal. Rail-joint. No. 1,058,443; Apr. 8; Gaz. vol. 189; p. 406.
- Kerr, William G., Memphis, Tenn. Saw jointer and sharpener. No. 1,049,870; Jan. 7; Gaz. vol. 186; p. 188.
- Kerr, William J., Smethport, Pa. Magnet toy. No. 1,064,972; June 17; Gaz. vol. 191; p. 683.
- Kerrigan, James P., Wilmington, Del. Tube-expander. No. 1,077,837; Nov. 4; Gaz. vol. 196; p. 203.
- Kersey, Edward, Chicago, Ill. Flushing apparatus. No. 1,052,593; Feb. 11; Gaz. vol. 187; p. 287.
- Kersey, Edward, Chicago, Ill. Flushing apparatus. No. 1,061,548; May 13; Gaz. vol. 190; p. 375.
- Kersey, Mary C., Amo, Ind. Bucket. No. 1,074,122; Sept. 30; Gaz. vol. 194; p. 964.
- Kershaw, Henry, Kearney, N. J. Mail-bag catching and delivering apparatus. No. 1,058,759; Apr. 15; Gaz. vol. 189; p. 550.
- Kershaw, William J., Portsmouth, N. H. Bottle-stopper. No. 1,050,549; Jan. 14; Gaz. vol. 186; p. 456.
- Kersten, Julius, Dellbrück, near Cologne, Germany. Producing alkali-metal hydroxids directly from alkali-metal chlorids. No. 1,072,010; Sept. 2; Gaz. vol. 194; p. 117.
- Kertes, John, Pittsburgh, Pa. Tile, quarry, or brick. No. 1,058,674; Apr. 8; Gaz. vol. 189; p. 483.
- Kertes, Istvan, New York, N. Y. Bed. No. 1,075,291; Oct. 7; Gaz. vol. 195; p. 245.
- Kesler, Peter, Monroe, Wis. Wagon-brake. No. 1,063,545; June 3; Gaz. vol. 191; p. 126.
- Kessel, Vilhelm P., assignor to Miolnir Rock Drill Company, San Francisco, Cal. Pneumatic hammer. No. 1,050,951; Jan. 21; Gaz. vol. 186; p. 627.
- Kesselhuth, Edward H., assignor of one-half to C. E. Hall, Long Pine, Nebr. Clamp for detachable vehicle seats. No. 1,061,752; May 13; Gaz. vol. 190; p. 444.
- Kessler, Karl, Wasseraufingen, Germany. Lock-nut. No. 1,073,497; Sept. 16; Gaz. vol. 194; p. 699.
- Kessler, Martin C., assignor to The Kessler Motor Company, Denver, Colo. Explosive-engine. No. 1,070,139; Aug. 12; Gaz. vol. 193; p. 391.
- Kessler Motor Company, The. (See Kessler, Martin C., assignor.)
- Kester, Marcus, Olney, Ill. Nut-lock. No. 1,081,965; Dec. 23; Gaz. vol. 197; p. 794.
- Kestner Evaporator Company. (See Kestner, Paul, assignor.)
- Kestner Evaporator Company. (See Morris, Anthony S., assignor.)

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- Kestner, Fredrick, *et al.* (See Kuhlman, Herman C., assignor.)
- Kestner, Jean F. P., and H. J. E. Neu, Lille, France. Arrangement for ventilating and for moistening the atmosphere of premises. No. 1,073,609; Sept. 23; Gaz. vol. 194; p. 759.
- Kestner, Paul, Lille, France. Water-tube boiler. No. 1,064,973; June 17; Gaz. vol. 191; p. 683.
- Kestner, Paul, Lille, France, assignor to Kestner Evaporator Company, Philadelphia, Pa. Evaporating apparatus. No. 1,060,607; May 6; Gaz. vol. 190; p. 15.
- Ketchum, Ernest C. (See Andrews and Ketchum.)
- Ketchum, Ernest C., Boston, Mass. Mercury-dropper. No. 1,059,304; Apr. 15; Gaz. vol. 189; p. 739.
- Ketchum, Everett H., Jamestown, N. Y. Writing-pen. No. 1,074,957; Oct. 7; Gaz. vol. 195; p. 125.
- Ketchum, Serenus D., *et al.* (See Dolley, Charles W., assignor.)
- Ketelson, Andrew J., Seattle, Wash. Garment hanger and stretcher. No. 1,049,871; Jan. 7; Gaz. vol. 186; p. 188.
- Ketring, Addison, New Madison, Ohio. Pulverizer. No. 1,080,010; Dec. 2; Gaz. vol. 197; p. 32.
- Ketring, Orlando C., Portland, Ind. Wheel-assembler. No. 1,080,638; Dec. 9; Gaz. vol. 197; p. 281.
- Ketterer, Alvin N., assignor of one-half to W. L. Goetz, St. Joseph, Mo. Jetting attachment. No. 1,066,285; July 1; Gaz. vol. 192; p. 136.
- Kettering, Charles F., Dayton, Ohio, assignor to The Dayton Engineering Laboratories Co. Control for electric-lighting systems. No. 1,066,432; July 1; Gaz. vol. 192; p. 183.
- Kettle, George. (See Colbath, Frank, assignor.)
- Keuffel & Esser Company, The. (See Keuffel, Willie L. E., assignor.)
- Keuffel, Willie L. E., assignor to The Keuffel & Esser Company, Hoboken, N. J. Tape. No. 1,081,673; Dec. 16; Gaz. vol. 197; p. 665.
- Key, James F., Manila, Philippine Islands. Method of and apparatus for steering vessels. No. 1,065,142; June 17; Gaz. vol. 191; p. 737.
- Key, Percy, De Kalb, Miss. Row-gage. No. 1,052,486; Feb. 11; Gaz. vol. 187; p. 252.
- Keyes, Earl S., Parnassus, assignor of one-half to G. D. Hamor, New Kensington, Pa. Manipulator. No. 1,066,627; July 8; Gaz. vol. 192; p. 282.
- Keyes, Eugene L., assignor to United Shoe Machinery Company, Boston, Mass. Reel. No. 1,053,612; Feb. 18; Gaz. vol. 187; p. 682.
- Keyes, Eugene L., Boston, Mass., assignor to United Shoe Machinery Company, Paterson, N. J. Welt-butt-tacking machine. No. 1,066,916; July 8; Gaz. vol. 192; p. 382.
- Keyes, Eugene L., Boston, Mass., assignor to United Shoe Machinery Company, Paterson, N. J. Welt-butt-tacking machine. No. 1,066,917; July 8; Gaz. vol. 192; p. 382.
- Keyes, Eugene L., Boston, Mass., assignor to United Shoe Machinery Company, Paterson, N. J. Trimming-machine. No. 1,076,431; Oct. 21; Gaz. vol. 195; p. 690.
- Keyes, Eugene L., Boston, Mass., assignor to United Shoe Machinery Company, Paterson, N. J. Trimming insoles. No. 1,076,432; Oct. 21; Gaz. vol. 195; p. 690.
- Keyes, Frank E., Pasadena, Cal. Winding-roll or former for paper-pulp tubes. No. 1,072,011; Sept. 2; Gaz. vol. 194; p. 118.
- Keyes, Frederick G., Boston, Mass., assignor to Cooper Hewitt Electric Company, Hoboken, N. J. Mercury-vapor apparatus. No. 1,078,859; Nov. 18; Gaz. vol. 196; p. 622.
- Keyes, Frederick G., assignor to A. A. Noyes, trustee, Boston, Mass. Vacuum-tight seal. No. 1,079,352; Nov. 25; Gaz. vol. 196; p. 820.
- Keyes, James A., assignor to The Fleischmann Company, New York, N. Y. Wrapping-machine. No. 1,052,063; Feb. 4; Gaz. vol. 187; p. 75.
- Keyes, James A., assignor to The Fleischmann Company, New York, N. Y. Wrapping-machine. No. 1,055,049; Mar. 4; Gaz. vol. 188; p. 135.
- Keyes, James T., New York, N. Y. Side guard for spring-mattresses. No. 1,062,781; May 27; Gaz. vol. 190; p. 868.
- Keyes, William W. W., Alexandria, Ind. Continuous drawing apparatus for making window-glass. No. 1,058,065; Apr. 8; Gaz. vol. 189; p. 273.
- Keys, John, Kansas City, Kans. Key-fastener. No. 1,049,493; Jan. 7; Gaz. vol. 186; p. 59.
- Keys, John H., Dayton, Ohio. Sprinkler. No. 1,076,890; Oct. 28; Gaz. vol. 195; p. 905.
- Keyser, George, assignor of one-half to J. W. Hepworth, Philadelphia, Pa. Sewing-machine. No. 1,069,336; Aug. 5; Gaz. vol. 193; p. 86.
- Keystone Attachment Co. (See Frantz and Troxell, assignors.)
- Keystone Farm Machine Company. (See Kendig, Jacob S., assignor.)
- Keystone Steel and Wire Company. (See Sommer, Joseph W., assignor.)
- Keystone Type Foundry. (See Bashelier, Frank M., assignor.)
- Keystone Watch Case Company, The. (See Freund, Joseph A., assignor.)
- Keyte, Sarah M., Oakland, Cal. Theater-stage. No. 1,076,653; Oct. 21; Gaz. vol. 195; p. 770.
- Keyte, Sarah M., Oakland, Cal. Hammer-action for musical instruments. No. 1,077,913; Nov. 4; Gaz. vol. 196; p. 230.
- Kibbee, George G., Forest City, Iowa. Electromagnetic track-brake for railway-cars. No. 1,053,830; Feb. 18; Gaz. vol. 187; p. 755.
- Kibele, Eugene. (See Chisholm and Kibele.)
- Kibler, Daniel L., Grand Rapids, Mich., assignor to Acme Cement Plaster Co., St. Louis, Mo. Screening-machine. No. 1,064,344; June 10; Gaz. vol. 191; p. 436.
- Kichline, George H., and F. J. Studer, New Washington, Ohio. Brooder or poultry-house heater. No. 1,057,348; Mar. 25; Gaz. vol. 188; p. 1013.
- Kickert, Hermann, Herrigen, near Hamm, Westphalia, Germany. Coke-oven door. No. 1,072,857; Sept. 9; Gaz. vol. 194; p. 437.
- Kicklighter, Charles H., Pasadena, Cal. Electric welding. No. 1,070,966; Aug. 19; Gaz. vol. 193; p. 710.
- Kidd, Archie M. (See Snow and Kidd.)
- Kidd, William C., and J. B. Strong, assignors to Standard Equipment Company, Hillburn, N. Y. Target for switch-stands. No. 1,062,014; May 20; Gaz. vol. 190; p. 571.
- Kidder, George C., Salt Lake City, Utah. Ore-separator. No. 1,066,918; July 8; Gaz. vol. 192; p. 382.
- Kiddle, Alfred W., *et al.*, executors. (See Hoffmann, Ernst G.)
- Kiefer, Adam S., Lakewood, Ohio. Ignition device. No. 1,060,906; May 6; Gaz. vol. 190; p. 119.
- Kiefer, Charles J., Indianapolis, Ind. Trombone. No. 1,078,628; Nov. 18; Gaz. vol. 196; p. 540.
- Kiefer, John, Bozeman, Mont. Wagon-seat clamp. No. 1,072,858; Sept. 9; Gaz. vol. 194; p. 437.
- Kiefer, Karl, Cincinnati, Ohio. Closure for containers. No. 1,079,771; Nov. 25; Gaz. vol. 196; p. 968.
- Kiefer, Raymond A., Ramsey, N. J. Sterilization. No. 1,062,404; May 20; Gaz. vol. 190; p. 702.
- Kiefer, Raymond A., assignor of one-half to W. J. Carshore, Jr., Ramsey, N. J. Sterilizer. No. 1,059,544; Apr. 22; Gaz. vol. 189; p. 858.
- Kiehl, George, Somonauk, Ill. Door-lock. No. 1,079,860; Nov. 25; Gaz. vol. 196; p. 997.
- Kiel, John, assignor to Deere & Company, Moline, Ill. Harrow-bar. No. 1,080,698; Dec. 9; Gaz. vol. 197; p. 302.
- Kiel, John, assignor to Deere & Company, Moline, Ill. Lister-harrow. No. 1,080,699; Dec. 9; Gaz. vol. 197; p. 302.
- Kiel, John, assignor to Deere & Company, Moline, Ill. Lister-harrow. No. 1,081,386; Dec. 16; Gaz. vol. 197; p. 573.
- Kielsinski, Mikolaj. (See Lasocki, Wladyslaw, assignor.)
- Kier, Harry E., Colorado Springs, Colo. Leaching-tank or filter. No. 1,058,869; Apr. 15; Gaz. vol. 189; p. 589.
- Kieras, Roman A., *et al.* (See Gagattek, Andrew P., assignor.)
- Kierkegaard, Johannes. (See Abrahamsen and Kierkegaard.)
- Kiesel, William F., Jr., Altoona, Pa. Superheater for steam-generators. No. 1,061,180; May 6; Gaz. vol. 190; p. 212.
- Kiesel, William F., Jr., Altoona, Pa. Car-truck. No. 1,079,178; Nov. 18; Gaz. vol. 196; p. 732.
- Kieser, Charles F., assignor to The Seagrave Company, Columbus, Ohio. Aerial ladder. No. 1,081,122; Dec. 9; Gaz. vol. 197; p. 444.
- Kieser, Frederick J., Chicago, Ill. Tobacco-pipe. No. 1,065,372; June 24; Gaz. vol. 191; p. 853.
- Kieser, Walter, Berlin, Germany, assignor to General Electric Company. Centrifugal apparatus for pumping air or gas. No. 1,056,688; Mar. 18; Gaz. vol. 188; p. 757.
- Kieser, Walter, Berlin, Germany, assignor to General Electric Company. Turbine system. No. 1,081,387; Dec. 16; Gaz. vol. 197; p. 573.
- Kieser, Walter, Berlin, Germany, assignor to General Electric Company. Turbine system. No. 1,081,388; Dec. 16; Gaz. vol. 197; p. 573.
- Kieser, Walter, Charlottenburg, Germany, assignor to General Electric Company. Rotary compressor. No. 1,056,689; Mar. 18; Gaz. vol. 188; p. 757.
- Kieser, Walter, Charlottenburg, Germany, assignor to General Electric Company. Regulating mechanism for steam-turbines. No. 1,063,546; June 3; Gaz. vol. 191; p. 126.
- Kieser, Walter, Charlottenburg, Germany, assignor to General Electric Company. Governing mechanism for turbines. No. 1,063,547; June 3; Gaz. vol. 191; p. 127.
- Kieser, Walter, Charlottenburg, Germany, assignor to General Electric Company. Regulating mechanism for steam-turbines. No. 1,063,548; June 3; Gaz. vol. 191; p. 127.
- Kieser, Walter, Charlottenburg, Germany, assignor to General Electric Company. Regulating mechanism for steam-turbines. No. 1,063,549; June 3; Gaz. vol. 191; p. 128.

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- Kieser, Walter, Charlottenburg, Germany, assignor to General Electric Company. Regulating-turbine. No. 1,063,550; June 3; Gaz. vol. 191; p. 128.
- Kieserling, Th. (See Pütz, Carl, assignor.)
- Kiewicz, John, Hyde Park, assignor to The Reece Button Hole Machine Company, Boston, Mass. Buttonhole-sewing machine. No. 1,062,475; May 20; Gaz. vol. 190; p. 725.
- Kiewicz, John, Hyde Park, assignor to The Reece Button Hole Machine Company, Boston, Mass. Button-attaching machine. No. 1,063,885; June 3; Gaz. vol. 191; p. 244.
- Kiewicz, John, Hyde Park, assignor to The Reece Button Hole Machine Company, Boston, Mass. Sewing-machine-needle-setting means. No. 1,072,472; Sept. 9; Gaz. vol. 194; p. 302.
- Kiewicz, John, Hyde Park, assignor to The Reece Button Hole Machine Company, Boston, Mass. Buttonhole-stitching machine. No. 1,073,244; Sept. 16; Gaz. vol. 194; p. 611.
- Kiger, Frank M., Gresham, Oreg. Milk and cream separator for bottles. No. 1,058,599; Apr. 8; Gaz. vol. 189; p. 457.
- Kight, Gordon T. (See Eddings, James T., assignor.)
- Kiko, Ferdinand, Herford, assignor to C. Pfugbell & Co., Berlin, Germany. Safety-razor. No. 1,068,247; July 22; Gaz. vol. 192; p. 904.
- Kikut, Edmund, Berlin, Germany. Flying-machine having supporting-planes located one behind another. No. 1,058,983; Apr. 15; Gaz. vol. 189; p. 629.
- Kilberry, George D., Worcester, Mass. Paper-making machine. No. 1,078,292; Nov. 11; Gaz. vol. 196; p. 393.
- Kilborn, Ira, Scotts Mills, Oreg. Weeder. No. 1,068,346; July 22; Gaz. vol. 192; p. 938.
- Kilbourn, Edward E. and I. W., and G. F. Smith, New Brunswick, N. J., assignors to The Interwoven Mills, Inc. Circular-knitting machine. No. 1,066,734; July 8; Gaz. vol. 192; p. 321.
- Kilbourn, Isaac W. (See Kilbourn and Smith.)
- Kilbourne and Jacobs Manufacturing Company, The. (See Doty, Burner, and Wilcox, assignors.)
- Kilburn, John F., assignor of one-half to G. E. Wallace, El Paso, Tex. Well-cleaning device. No. 1,075,261; Oct. 7; Gaz. vol. 195; p. 234.
- Kilburn, John F., assignor of one-half to G. E. Wallace, El Paso, Tex. Pump working barrel. No. 1,078,444; Nov. 11; Gaz. vol. 196; p. 447.
- Kilburn, Thomas J., assignor of one-half to J. B. Ussery, Ethridge, Tenn. Rail-joint. No. 1,057,000; Mar. 25; Gaz. vol. 188; p. 895.
- Kilcher, Fridolin, Birsfelden, Switzerland. Tire-protector for automobile and other wheels. No. 1,051,813; Jan. 28; Gaz. vol. 186; p. 949.
- Kilcup, Ernest, Boston, Mass. Ice-creeper for horses. No. 1,051,895; Feb. 4; Gaz. vol. 187; p. 17.
- Kilduff, John, Johnstown, Pa. Combination forge and press. No. 1,075,651; Oct. 14; Gaz. vol. 195; p. 394.
- Kilduff, Thomas H., Brookline, Mass. Gun for killing flies and other insects. No. 1,059,736; Apr. 22; Gaz. vol. 189; p. 921.
- Kiley, William M., and W. J. Burtle, Grand Rapids, Mich. Safety device for water-gas apparatus. No. 1,065,254; June 17; Gaz. vol. 191; p. 774.
- Kilgore, Frederick O., Somerville, Mass. Internal-combustion engine. No. 1,056,690; Mar. 18; Gaz. vol. 188; p. 757.
- Kilgore, Frederick O., Somerville, Mass. Internal-combustion engine. No. 1,075,578; Oct. 14; Gaz. vol. 195; p. 369.
- Kilgore, Frederick O., Somerville, Mass. Cushioning device for automobiles and like vehicles. No. 1,076,042; Oct. 21; Gaz. vol. 195; p. 555.
- Kilgore, Joseph D., Homestead, Pa. Toy cannon. No. 1,068,667; July 29; Gaz. vol. 192; p. 1087.
- Kilgore, Joseph D., Homestead, Pa. Toy cannon. No. 1,076,125; Oct. 21; Gaz. vol. 195; p. 584.
- Kilgour, Dwight F. (See Marshall, Bertice E., assignor.) (Reissue.)
- Kilgour, Francis J. S. (See Johnson and Kilgour.)
- Kilgus, Carl A., Whittaker, Mich. Concrete-mixing machine. No. 1,070,612; Aug. 19; Gaz. vol. 193; p. 595.
- Kilinski, Antoni. (See Piotrowski and Kilinski.)
- Killian, August F., Palmyra, assignor to William F. Taubel, Incorporated, Riverside, N. J. Knitting-machine. No. 1,063,551; June 3; Gaz. vol. 191; p. 128.
- Killian, Frederick L., assignor of one-half to F. R. Ormsby, Akron, Ohio. Machine for preparing cores for reuse in manufacturing pneumatic-tire shoes. No. 1,053,404; Feb. 18; Gaz. vol. 187; p. 611.
- Killingsworth, Louis R., Salt Lake City, Utah. Brake mechanism. No. 1,068,248; July 22; Gaz. vol. 192; p. 904.
- Killion, John H., Chicago, Ill. Machine for making sheet-metal barrels. No. 1,056,030; Mar. 18; Gaz. vol. 188; p. 533.
- Kilmer, William A., De Kalb, Ill., assignor to The American Steel and Wire Company of New Jersey, Hoboken, N. J. Machine for making wire fabric. No. 1,076,831; Oct. 28; Gaz. vol. 195; p. 884.
- Kilstrom, Axel, Providence, R. I. Necktie-supporter for collars. No. 1,052,725; Feb. 11; Gaz. vol. 187; p. 331.
- Kiltz, Peter, Rich Hill, Mo. Vehicle running-gear. No. 1,058,600; Apr. 8; Gaz. vol. 189; p. 457.
- Kim, George M., Pittsburgh, Pa. Folding sofa-bed. No. 1,080,459; Dec. 2; Gaz. vol. 197; p. 190.
- Kimball, George W. (See Cooper, Leslie A., assignor.)
- Kimball, Harry G. (See Good and Kimball.)
- Kimball, Herbert E., Dallas, Tex. Stripping-plate molding-machine. No. 1,067,820; July 22; Gaz. vol. 192; p. 758.
- Kimball, Ralph R., Chicago, Ill. Bedstead. No. 1,070,814; Aug. 19; Gaz. vol. 193; p. 662.
- Kimble, Evan E., assignor to Kimble Glass Company, Chicago, Ill. Vial-bottoming machine. No. 1,055,402; Mar. 11; Gaz. vol. 188; p. 288.
- Kimble Glass Company. (See Kimble, Evan E., assignor.)
- Kime, James W., Fostoria, Ohio. Coupling. No. 1,066,735; July 8; Gaz. vol. 192; p. 321.
- Kime, John J., Lagrange, Ind. Insert-valve for bottle-necks. No. 1,082,125; Dec. 23; Gaz. vol. 197; p. 848.
- Kimelman, Samuel, McKeesport, Pa. Safety device for railway-trains. No. 1,068,249; July 22; Gaz. vol. 192; p. 905.
- Kimes, David B., Spring City, Pa. Knitting-machine. No. 1,056,691; Mar. 18; Gaz. vol. 188; p. 758.
- Kimlin, Robert J., Poughkeepsie, N. Y. Rope-clamp. No. 1,063,354; June 3; Gaz. vol. 191; p. 62.
- Kimmel, John, and P. Boesky, Cudahy, Wis. Rail-joint. No. 1,057,245; Mar. 25; Gaz. vol. 188; p. 980.
- Kimmel, William A. (See Laurencich, Arthur, assignor.)
- Kimmell, Mabel. (See Chippendale and Kimmell.)
- Kimpel, Frank G., Edgerton, Ohio. Seat for motorcycles. No. 1,074,438; Sept. 30; Gaz. vol. 194; p. 1070.
- Kimpen, Cornelius, assignor to C. A. Shove, Minneapolis, Minn. Rock-breaking machine. No. 1,067,229; July 8; Gaz. vol. 192; p. 489.
- Kin, Thomas J., Fostoria, Ohio. Pump. No. 1,052,831; Feb. 11; Gaz. vol. 187; p. 370.
- Kinander, Peter, Charleston, Miss. Fire-clay substitute. No. 1,056,031; Mar. 18; Gaz. vol. 188; p. 533.
- Kinard, John W., Centerville, Ala. Fire-dog. No. 1,060,686; May 6; Gaz. vol. 190; p. 42.
- Kincaid, Joseph A., Santa Barbara, Cal. Measuring-scale. No. 1,074,439; Sept. 30; Gaz. vol. 194; p. 1070.
- Kincaid, Joseph W., Reading, assignor of one-half to K. L. Henry, Birdsboro, Pa. Rotary engine. No. 1,050,952; Jan. 21; Gaz. vol. 186; p. 627.
- Kincaid, Willis M., Grand Saline, Tex. Washing-machine. No. 1,066,019; July 1; Gaz. vol. 192; p. 40.
- Kincannon, Edwin S., Spokane, Wash. Baby-walker. No. 1,072,959; Sept. 9; Gaz. vol. 194; p. 475.
- Kinchelore, Samuel K. (See Lady, William D., assignor.)
- Kindberg, John A., Gaither, Okla. Wardrobe. No. 1,072,473; Sept. 9; Gaz. vol. 194; p. 303.
- Kindel, Charles J., Wilmette, Ill. Settee-bed. No. 1,065,373; June 24; Gaz. vol. 191; p. 853.
- Kindel, Charles J., Wilmette, Ill. Divanette. No. 1,074,799; Oct. 7; Gaz. vol. 195; p. 73.
- Kinder, Garrett A., assignor to American Lady Corset Company, Detroit, Mich. Sewing-machine. No. 1,061,383; May 13; Gaz. vol. 190; p. 316.
- Kinder, Halsey G., assignor to W. W. Kimball Company, Chicago, Ill. Swell-shade action for self-playing organs. No. 1,058,870; Apr. 15; Gaz. vol. 189; p. 589.
- Kindermann, Gustav J., Wayville, South Australia. Means for cleaning ships' hulls. No. 1,063,804; June 3; Gaz. vol. 191; p. 219.
- Kindl, Frederick H., Pittsburgh, Pa. Unloading apparatus. No. 1,058,306; Apr. 8; Gaz. vol. 189; p. 357.
- Kindl, Joseph, Glen Ullin, N. D. Vehicle end-gate fastener. No. 1,052,150; Feb. 4; Gaz. vol. 187; p. 106.
- Kindle, William S., and A. L. Plush, Philadelphia, Pa., assignors, by mesne assignments, to said Plush. Variable-speed gearing. No. 1,072,407; Sept. 2; Gaz. vol. 194; p. 251.
- Kindt, John M., Philadelphia, assignor to J. Pennell, Wawa, Pa. Wrench. No. 1,064,744; June 17; Gaz. vol. 191; p. 609.
- Kinealy, John H., Ferguson, Mo. Pump device. No. 1,063,552; June 3; Gaz. vol. 191; p. 129.
- Kinealy, John H., Ferguson, Mo. Pump device. No. 1,063,553; June 3; Gaz. vol. 191; p. 129.
- King, Alfred S., Norwich, England. Box-lid-nailing machine. No. 1,074,800; Oct. 7; Gaz. vol. 195; p. 73.
- King, Alonzo A., Paonia, Colo. Apparatus for casting metal. No. 1,072,738; Sept. 9; Gaz. vol. 194; p. 394.
- King, Arthur, St. Louis, Mo. Transmission-speed-reducing gearing. No. 1,061,677; May 13; Gaz. vol. 190; p. 420.
- King, Bernard C. (See Dunkerley and King.)
- King, Bert W., assignor to Standard Computing Scale Company, Detroit, Mich. Scale. No. 1,068,504; July 29; Gaz. vol. 192; p. 1030.
- King, Charles B. (See King, Gracely, and Roush.)
- King, Charles B. (See King and Jacoby.)
- King, Charles B., assignor to King Motor Car Company, Detroit, Mich. Gas-engine. No. 1,051,418; Jan. 28; Gaz. vol. 186; p. 818.

Alphabetical list of patentees—Continued.

- King, Charles B., assignor to King Motor Car Company, Detroit, Mich. Automobile-frame. No. 1,052,151; Feb. 4; Gaz. vol. 187; p. 106.
- King, Charles B., and C. B. Weston, assignors to The Marion Steam Shovel Company, Marion, Ohio. Controlling-valve. No. 1,063,975; June 10; Gaz. vol. 191; p. 309.
- King, Charles M., Washington, D. C., assignor to A. G. Spalding & Bros. Base-ball glove and mitt. No. 1,056,909; Mar. 25; Gaz. vol. 188; p. 864.
- King, Charles M., Washington, D. C., assignor to A. G. Spalding & Bros., New York, N. Y. Base-ball glove and mitt. No. 1,072,012; Sept. 2; Gaz. vol. 194; p. 118.
- King, Charles W., St. Louis, Mo. Self-setting trap. No. 1,066,208; July 1; Gaz. vol. 192; p. 109.
- King, Charles W. G., assignor to The United States Metallic Packing Company, Philadelphia, Pa. Metallic rod-packing. No. 1,052,726; Feb. 11; Gaz. vol. 187; p. 331.
- King, Clifford G., Providence, R. I. Pin. No. 1,074,270; Sept. 30; Gaz. vol. 194; p. 1013.
- King, Edward, Zurich, Switzerland. Marine boiler. No. 1,057,062; Mar. 25; Gaz. vol. 188; p. 917.
- King, Edward L., Charleston, Ill. Shade-bracket. No. 1,072,739; Sept. 9; Gaz. vol. 194; p. 395.
- King, Frederick G., Boston, Mass., assignor to United Shoe Machinery Company, Paterson, N. J. Machine for use in the manufacture of boots and shoes. No. 1,054,003; Feb. 25; Gaz. vol. 187; p. 851.
- King, George H., Woodstock, Ontario, Canada. Vacuum-cleaner. No. 1,054,354; Feb. 25; Gaz. vol. 187; p. 971.
- King, George I., Middletown, Pa., assignor to W. H. Woodin, New York, N. Y. Car-door-operating device. No. 1,067,035; July 8; Gaz. vol. 192; p. 420.
- King, George W. and C. B., and B. Jacoby, assignors to The Marion Steam Shovel Company, Marion, Ohio. Excavating-machine. No. 1,066,286; July 1; Gaz. vol. 192; p. 137.
- King, George W. and C. B., H. T. Gracely, and H. E. Roush, assignors to The Marion Steam Shovel Company, Marion, Ohio. Excavating-bucket. No. 1,050,838; Jan. 21; Gaz. vol. 186; p. 586.
- King, George W. and C. B., H. T. Gracely, and H. E. Roush, assignors to The Marion Steam Shovel Company, Marion, Ohio. Excavating-bucket. No. 1,050,839; Jan. 21; Gaz. vol. 186; p. 586.
- King, George W. and C. B., H. T. Gracely, and H. E. Roush, assignors to The Marion Steam Shovel Company, Marion, Ohio. Excavating-bucket. No. 1,050,840; Jan. 21; Gaz. vol. 186; p. 587.
- King & Hamilton Company. (See Gilman, John H., assignor.)
- King, Henry H., Gresham, Oreg. Grain-car door. No. 1,062,476; May 20; Gaz. vol. 190; p. 726.
- King, Herbert G., El Paso, Tex. Piston. No. 1,068,347; July 22; Gaz. vol. 192; p. 938.
- King, Hiram R. A., Sandy Springs, S. C. Guano-distributor. No. 1,077,838; Nov. 4; Gaz. vol. 196; p. 204.
- King, Homer A., Colton, Cal. Rotary engine. No. 1,076,891; Oct. 28; Gaz. vol. 195; p. 906.
- King, Howard K., Philadelphia, Pa., assignor to Chambers Brothers Company. Folding-machine. No. 1,071,755; Sept. 2; Gaz. vol. 194; p. 30.
- King, Howard K., Philadelphia, Pa., assignor to Chambers Brothers Company. Cut-off mechanism for brick-machines. No. 1,077,226; Oct. 28; Gaz. vol. 195; p. 1016.
- King, James B., assignor to The American Mausoleum Company, Clyde, Ohio. Skylight construction. No. 1,081,966; Dec. 23; Gaz. vol. 197; p. 794.
- King, James F., Milwaukee, Wis. Bath apparatus. No. 1,066,121; July 1; Gaz. vol. 192; p. 77.
- King, John, Leeds, England. Axle-bearing. No. 1,064,659; June 10; Gaz. vol. 191; p. 543.
- King, John A., South Chicago, Ill. Car-door. No. 1,058,182; Apr. 8; Gaz. vol. 189; p. 315.
- King, John H., Mobile, Ala. Milk-pail. No. 1,060,100; Apr. 29; Gaz. vol. 189; p. 1083.
- King, John N. (See Dell, Phillip J., Jr., assignor.)
- King, John W., New York, N. Y., assignor to King Mechanism & Engineering Company. Dumping-vehicle. No. 1,062,477; May 20; Gaz. vol. 190; p. 726.
- King, Joseph S., assignor of one-half to W. A. Matthews, Baltimore, Md. Measuring device. No. 1,052,259; Feb. 4; Gaz. vol. 187; p. 144.
- King, Lee P., St. Joseph, Mo. Grab-hook. No. 1,064,075; June 10; Gaz. vol. 191; p. 344.
- King Machine Company, The. (See Norton and Lange-negger, assignors.) (Reissue.)
- King Machine Company, The. (See Ullman, Joseph H., assignor.)
- King Machine Company, The. (See Warner, Frederick E., assignor.)
- King, Madison M. (See Bedell and King.)
- King, Mary H., executrix. (See Wells and King.)
- King Mechanism & Engineering Company. (See King, John W., assignor.)
- King Motor Car Company. (See King, Charles B., assignor.)
- King, Otto C., Medford, Oreg. Can-labeling machine. No. 1,076,043; Oct. 21; Gaz. vol. 195; p. 555.
- King, Robert E., Port Norfolk, Va. Collar-button. No. 1,053,041; Feb. 11; Gaz. vol. 187; p. 441.
- King, Robert N. (See De Leon, Carlos, assignor.)
- King, Robert O., Buffalo, N. Y. Building. No. 1,056,103; Mar. 18; Gaz. vol. 188; p. 557.
- King, Robert O., Buffalo, N. Y. Building. No. 1,076,290; Oct. 21; Gaz. vol. 195; p. 639.
- King, Russell C., Apollo, Pa. Wrench. No. 1,055,757; Mar. 11; Gaz. vol. 188; p. 406.
- King, Thomas L. (See Lowe and King.)
- King, Tom C. (See Wells and King.)
- King, Walter S., assignor, by mesne assignments, to F. G. Bradbury, St. Paul, Minn. Printing-frame. No. 1,052,152; Feb. 4; Gaz. vol. 187; p. 107.
- King, William, and P. L. Bettis, West Berkeley, Cal. Rail-joint lock. No. 1,071,558; Aug. 26; Gaz. vol. 193; p. 942.
- King, William B., Boston, Mass., assignor to United Shoe Machinery Company, Paterson, N. J. Welt-controlling mechanism. No. 1,071,435; Aug. 26; Gaz. vol. 193; p. 902.
- King, William F., New York, N. Y. Dumb-waiter guide. No. 1,051,335; Jan. 21; Gaz. vol. 186; p. 756.
- King, William T., assignor to Brandt Manufacturing Company, Minneapolis, Minn. Spraying device. No. 1,059,373; Apr. 22; Gaz. vol. 189; p. 799.
- King, Winfield L., Indiana, Pa. Razor-guard. No. 1,081,123; Dec. 9; Gaz. vol. 197; p. 444.
- Kingan, James B., and H. F. Ripken, Minneapolis, Minn. Piston-valve. No. 1,051,371; Jan. 21; Gaz. vol. 186; p. 768.
- Kingsbury, Albert, Pittsburgh, Pa., assignor to Westing-house Electric and Manufacturing Company. Collector-ring for dynamo-electric machines. No. 1,075,292; Oct. 7; Gaz. vol. 195; p. 245.
- Kingsbury, E. H., agent. (See Koehler, Ernest F., assignor.)
- Kingsbury, George P., Brooklyn, N. Y., assignor to Mergenthaler Linotype Company. Line-casting machine. No. 1,076,433; Oct. 21; Gaz. vol. 195; p. 690.
- Kingsbury, George P., Brooklyn, N. Y., assignor to Mergenthaler Linotype Company. Typographical composing-machine. No. 1,080,350; Dec. 2; Gaz. vol. 197; p. 153.
- Kingsbury, George P., Brooklyn, N. Y., assignor to Mergenthaler Linotype Company. Typographical machine. No. 1,080,351; Dec. 2; Gaz. vol. 197; p. 153.
- Kingsbury, George P., Brooklyn, N. Y., assignor to Mergenthaler Linotype Company. Line-casting machine. No. 1,081,047; Dec. 9; Gaz. vol. 197; p. 420.
- Kingsford, George A., *et al.* (See Buckley, John, assignor.)
- Kingsland, Le Roy K., Groveton, assignor of one-half to B. Tess, Pittsburgh, Pa. Fly-catching apparatus. No. 1,071,620; Aug. 26; Gaz. vol. 193; p. 964.
- Kingsley, Edwin A., New York, N. Y., and K. O. Carlson, Chicago, Ill., assignors, by mesne assignments, to National Piano Manufacturing Company, Grand Rapids, Mich. Self-setting mechanism for piano-players. No. 1,070,698; Aug. 19; Gaz. vol. 193; p. 624.
- Kingsley, Edwin A., and K. O. Carlson, Chicago, Ill., assignors, by mesne assignments, to National Piano Manufacturing Company, Grand Rapids, Mich. Coin-operated automatic piano. No. 1,071,640; Aug. 26; Gaz. vol. 193; p. 970.
- Kingsley, Lee, Syracuse, N. Y. Holder for adhesive binders. No. 1,072,859; Sept. 9; Gaz. vol. 194; p. 438.
- Kingsley, Lee, Syracuse, N. Y. Leaf-binder. No. 1,074,271; Sept. 30; Gaz. vol. 194; p. 1013.
- Kingsley, Ray C., assignor of one-half to Columbian Optical Company, Salt Lake City, Utah. Eyeglasses. No. 1,054,425; Feb. 25; Gaz. vol. 187; p. 996.
- Kingston, Thomas H., West Somerville, Mass. Putlog. No. 1,077,839; Nov. 4; Gaz. vol. 196; p. 204.
- Kinhead, Joseph S., Traer, Iowa. Window-ventilator. No. 1,078,860; Nov. 18; Gaz. vol. 196; p. 622.
- Kinley, Evan G. (See Brooks and Kinley.)
- Kinnaman, John M. (See Lewis and Kinnaman.)
- Kinnard, James G., assignor of one-third to J. Merwine, Kittanning, Pa. Frog. No. 1,052,260; Feb. 4; Gaz. vol. 187; p. 144.
- Kinnard, Luella S., Anderson, Ind. Article of wearing-apparel. No. 1,065,143; June 17; Gaz. vol. 191; p. 737.
- Kinne, Edmund P., Alliance, Ohio, assignor to American Steel Foundries, New York, N. Y. Coupling guard-arm. No. 1,058,760; Apr. 15; Gaz. vol. 189; p. 550.
- Kinne, Edmund P., Alliance, Ohio, assignor to American Steel Foundries, New York, N. Y. Pilot-beam. No. 1,072,125; Sept. 2; Gaz. vol. 194; p. 156.
- Kinne, Samuel D., Ann Arbor, Mich., assignor, by mesne assignments, to The Conveying Weigher Company, New York, N. Y. Weighing-machine. No. 1,074,123; Sept. 30; Gaz. vol. 194; p. 965.
- Kinne, Tempel L., Dallas, Tex. Cotton-packer. No. 1,077,477; Nov. 4; Gaz. vol. 196; p. 85.
- Kinnear, Herbert E. (See Goodness, Frank A., assignor.)
- Kinnear Manufacturing Company, The. (See Brunst, William M., assignor.)
- Kinnear Manufacturing Company, The. (See McCloud, Edward H., assignor.)

Alphabetical list of patentees—Continued.

- Kinnear, William R., New Castle, Pa. Glass-holder for metal sash. No. 1,073,805; Sept. 23; Gaz. vol. 194; p. 828.
- Kinnear, William R., New Castle, Pa. Sheet-separating machine. No. 1,079,861; Nov. 25; Gaz. vol. 196; p. 998.
- Kinnear, William R., New Castle, Pa. Fireproof window construction. No. 1,079,862; Nov. 25; Gaz. vol. 196; p. 998.
- Kinney, Celia M., New York, N. Y. Changeable-letter sign. No. 1,067,177; July 8; Gaz. vol. 192; p. 469.
- Kinney, Celia M., New York, N. Y. Changeable-letter sign. No. 1,079,179; Nov. 18; Gaz. vol. 196; p. 733.
- Kinney, Francis S., deceased, Butler, N. J.; The Farmers Loan and Trust Company, New York, N. Y., executor. Sound-reproducing instrument. No. 1,071,436; Aug. 26; Gaz. vol. 193; p. 902.
- Kinney, Frank F., assignor, by mesne assignments, to Chicago Electric Meter Company, Chicago, Ill. Recording-wattmeter. No. 1,060,984; May 6; Gaz. vol. 190; p. 147.
- Kinney, Frank F., assignor, by mesne assignments, to Chicago Electric Meter Company, Chicago, Ill. Recording-wattmeter. No. 1,061,182; May 6; Gaz. vol. 190; p. 212.
- Kinney, John T., Buffalo, N. Y. Shackle for boat launching and lashing devices. No. 1,068,905; July 29; Gaz. vol. 192; p. 1172.
- Kinney, Joseph W., Goldcreek, Mont. Moistening device. No. 1,076,376; Oct. 21; Gaz. vol. 195; p. 670.
- Kinney, Justus R., Boston, Mass. Rotary pump. No. 1,054,210; Feb. 25; Gaz. vol. 187; p. 922.
- Kinney, Justus R., Boston, Mass. Rotary pump. No. 1,079,561; Nov. 25; Gaz. vol. 196; p. 893.
- Kinney, Justus R., Dorchester, Mass. Air-compressor. No. 1,054,211; Feb. 25; Gaz. vol. 187; p. 923.
- Kinney, Justus R., Dorchester, Mass. Fluid-clutch. No. 1,056,910; Mar. 25; Gaz. vol. 188; p. 864.
- Kinney, Justus R., Dorchester, Mass. Air-compressor. No. 1,061,181; May 6; Gaz. vol. 190; p. 212.
- Kinney, Justus R., Dorchester, Mass. Starting device for motor-cars. No. 1,077,884; Nov. 4; Gaz. vol. 196; p. 220.
- Kinney, Justus R., Dorchester, Mass. Rotary pump. No. 1,079,560; Nov. 25; Gaz. vol. 196; p. 892.
- Kinney, Justus R., Dorchester, Mass. Rotary pump. No. 1,079,562; Nov. 25; Gaz. vol. 196; p. 893.
- Kinney, Justus R., Dorchester, Mass. Starting device for motor-cars. No. 1,082,595; Dec. 30; Gaz. vol. 197; p. 1043.
- Kinney-Rome Company. (See Grotenhuis, William J., assignor.)
- Kinney-Rome Company. (See Larson, Evan, assignor.)
- Kinney, William A., Scranton, Pa. Egg-holder. No. 1,054,562; Feb. 25; Gaz. vol. 187; p. 1041.
- Kinsel, Harry C., Altoona, Pa. Switch-throwing mechanism. No. 1,071,641; Aug. 26; Gaz. vol. 193; p. 970.
- Kinsel, Walter H., Detroit, Mich. Curtain-fastener for automobiles. No. 1,062,921; May 27; Gaz. vol. 190; p. 914.
- Kinsey Manufacturing Company, The. (See Kehoe and Green, assignors.)
- Kinsley, Carl, Chicago, Ill. High-speed telegraph system. No. 1,053,042; Feb. 11; Gaz. vol. 187; p. 441.
- Kint, William F., Cedar Rapids, Iowa. Silo. No. 1,050,953; Jan. 21; Gaz. vol. 186; p. 628.
- Kintner, Alcun E., Cleveland, Ohio. Portable and adjustable track. No. 1,076,044; Oct. 21; Gaz. vol. 195; p. 556.
- Kintner, Charles J., New York, N. Y. Platform-indicator. No. 1,079,651; Nov. 25; Gaz. vol. 196; p. 923.
- Kintner, Samuel M. (See Krauter and Kintner.)
- Kintner, Samuel M., et al., receivers. (See Fessenden, Reginald A., assignor.)
- Kintz, Jerome J., deceased; M. J. Kintz, widow, assignor of one-twentieth to F. P. Rohlman and one-twentieth to W. J. Rohlman, St. Louis, Mo. Curtain-fixture. No. 1,071,642; Aug. 26; Gaz. vol. 193; p. 970.
- Kintz, Mary J., widow. (See Kintz, Jerome J.)
- Kinyon, Ross W. (See Le Count, McKenney, and Kinyon.)
- Kinzer, John J., Wildwood, assignor to Pittsburg Brake Shoe Company, Pittsburgh, Pa. Brake-shoe. No. 1,057,849; Apr. 1; Gaz. vol. 189; p. 156.
- Kinzer, John J., Wildwood, Pa. Press. No. 1,077,840; Nov. 4; Gaz. vol. 196; p. 204.
- Kinzer, John J., Wildwood, assignor to Pittsburg Brake Shoe Company, Pittsburgh, Pa. Brake-shoe. No. 1,058,002; Apr. 1; Gaz. vol. 189; p. 207.
- Kinzey, Frank B. (See Kinzey, Joseph, assignor.)
- Kinzey, John, Pittsburgh, Pa. Trolley. No. 1,050,143; Jan. 14; Gaz. vol. 186; p. 313.
- Kinzey, Joseph, assignor of one-fifth to F. B. Kinzey, Johnstown, Pa. Radiator attachment. No. 1,056,911; Mar. 25; Gaz. vol. 188; p. 864.
- Kipp, Charles M., Marysville, Cal. Track-liner. No. 1,061,243; May 6; Gaz. vol. 190; p. 233.
- Kipp, Edward J. (See Hoodwin and Kipp.)
- Klape, Otto, Osnabrück, Germany. Making briquets. No. 1,078,544; Nov. 11; Gaz. vol. 196; p. 479.
- Király, Paul von, and J. Lovász, Budapest, Austria-Hungary. Automatic breech-loading firearm. No. 1,073,908; Sept. 23; Gaz. vol. 194; p. 863.
- Kiras, Edmund J., Woodsdale, Kans. Broom-head. No. 1,071,320; Aug. 26; Gaz. vol. 193; p. 864.
- Kirby Equipment Company. (See Woodman, George A., assignor.)
- Kirby, Gulesberry M., Aurora, Mo. Stormproof car-door. No. 1,082,343; Dec. 23; Gaz. vol. 197; p. 926.
- Kirby, John, Pittsburgh, Pa. Treating iron. No. 1,079,129; Nov. 18; Gaz. vol. 196; p. 715.
- Kirby, John, Jr., Dayton, Ohio. Globe-holder. No. 1,069,882; Aug. 12; Gaz. vol. 193; p. 304.
- Kirby, Maurice S., Chicago, Ill. Coat-clamp. No. 1,059,166; Apr. 15; Gaz. vol. 189; p. 692.
- Kirby, Patrick H., Clinton, Mass. Comb-cutting machine. No. 1,082,877; Dec. 30; Gaz. vol. 197; p. 1142.
- Kircher, Adolf, Sindlingen, near Höchst-on-the-Main, assignor to Farbwerke vorm. Meister Lucius & Brüning, Höchst-on-the-Main, Germany. Salt of hexamethylene-tetramin and making same. No. 1,064,227; June 10; Gaz. vol. 191; p. 397.
- Kirchhoff, Richard, Zurich, Switzerland. Shutter-worker. No. 1,073,909; Sept. 23; Gaz. vol. 194; p. 863.
- Kirchhoff, William G., assignor to T. W. Remmers, St. Louis, Mo. Feeding mechanism. No. 1,061,753; May 13; Gaz. vol. 190; p. 445.
- Kiriloff, Michail K., Bakou, Russia. Floating storehouse. No. 1,066,502; July 8; Gaz. vol. 192; p. 238.
- Kirk, Alexander, Crosby, Wyo. Punching-tool. No. 1,077,722; Nov. 4; Gaz. vol. 196; p. 164.
- Kirk, Jakob H. T., and L. J. Lawson, Woburn, Mass. Concrete step. No. 1,071,239; Aug. 26; Gaz. vol. 193; p. 837.
- Kirk-Latty Manufacturing Company, The. (See Sleafell, William J., assignor.)
- Kirk, William W. (See Poag and Kirk.)
- Kirkbride, William H., Cleveland, Ohio. Clamping device. No. 1,074,628; Oct. 7; Gaz. vol. 195; p. 14.
- Kirkby, Harold, Middletown, Conn. Resilient wheel. No. 1,078,149; Nov. 11; Gaz. vol. 196; p. 343.
- Kirkendall, Emit A., Baker City, Oreg. Releasing device. No. 1,053,043; Feb. 11; Gaz. vol. 187; p. 441.
- Kirker, William O. (See Devitt, Joseph A., assignor.)
- Kirkham, Arthur, Bolton, England. Force-feed lubricator. No. 1,073,142; Sept. 16; Gaz. vol. 194; p. 574.
- Kirkley, Arthur E., North Augusta, S. C. Brake-valve. No. 1,075,357; Oct. 14; Gaz. vol. 195; p. 292.
- Kirkley, Hiram D., assignor of one-third to G. O. Light, Paragould, Ark. Foldable or extensible car-step. No. 1,067,821; July 22; Gaz. vol. 192; p. 759.
- Kirkman, Karl F., Erie, Pa., assignor to Automatic Press Feeder Company, Chicago, Ill. Printing-press. No. 1,077,283; Nov. 4; Gaz. vol. 196; p. 14.
- Kirkness, Frederick B., Newark, Del. Ball-slinger. No. 1,075,041; Oct. 7; Gaz. vol. 195; p. 156.
- Kirkpatrick, Charles A. L., Valparaiso, Ind. Mail-bag. No. 1,071,240; Aug. 26; Gaz. vol. 193; p. 837.
- Kirkpatrick, Harry L., Pueblo, Colo., assignor of one-third to W. M. Rankin, Springfield, Mo. Switch. No. 1,081,839; Dec. 16; Gaz. vol. 197; p. 724.
- Kirkpatrick, James S., Otautau, near Dunedin, New Zealand. Gate or door latch. No. 1,071,058; Aug. 26; Gaz. vol. 193; p. 777.
- Kirkpatrick, Thomas E., Elkhart, Ind. Sanitary chin-support. No. 1,051,896; Feb. 4; Gaz. vol. 187; p. 17.
- Kirkpatrick, William R., Baltimore, Md. Aeroplane. No. 1,057,246; Mar. 25; Gaz. vol. 188; p. 980.
- Kirkwood, Abraham L., Caddo Gap, Ark. Gumming and filing machine. No. 1,065,877; June 24; Gaz. vol. 191; p. 1024.
- Kirkwood, William, Pittsburg, Kans. Swinging pipe-joint. No. 1,069,554; Aug. 5; Gaz. vol. 193; p. 161.
- Kirn, Theodore J., Louisville, Ky. Plunger-elevator. No. 1,060,907; May 6; Gaz. vol. 190; p. 120.
- Kirner, Emil, et al. (See Landolt, Charles F., assignor.)
- Kirner, Josef, Stuttgart, assignor to Norma Compagnie G. m. b. H., Cannstatt, Stuttgart, Germany. Apparatus for testing hardness. No. 1,057,850; Apr. 1; Gaz. vol. 189; p. 156.
- Kirner, Josef H. K., Stuttgart, assignor to Norma Compagnie G. m. b. H., Cannstatt-Stuttgart, Germany. Roller-grinding machine. No. 1,055,187; Mar. 4; Gaz. vol. 188; p. 178.
- Kirsch, Andrew. (See Fischer, Peter, assignor.)
- Kirschbaum, August F., St. Paul, Minn. Lubricating device. No. 1,072,619; Sept. 9; Gaz. vol. 194; p. 353.
- Kirshner, Abraham S., administrator. (See Kirshner, Michael.)
- Kirshner, Michael, deceased, Lynchburg, Va.; A. S. Kirshner, administrator. Machine for packaging articles. No. 1,058,307; Apr. 8; Gaz. vol. 189; p. 357.
- Kirzsner, Nathan. (See Diskin, Moses B., assignor.)
- Kish, Arpath, Port View borough, assignor of one-half to J. Skrak, Pittsburgh, Pa. Non-refillable bottle. No. 1,063,355; June 3; Gaz. vol. 191; p. 63.
- Kislavitz, Samuel, Hoboken, assignor to C. A. Blades, Arlington, N. J. Easel. No. 1,056,183; Mar. 18; Gaz. vol. 188; p. 585.

Alphabetical list of patentees--Continued

- Kiso, Henry K., New York, N. Y. Horseshoe. No. 1,054,563; Feb. 25; Gaz. vol. 187; p. 1041.
- Kissell, Isaac B., Council Bluffs, Iowa. Animal-trap. No. 1,063,976; June 10; Gaz. vol. 191; p. 309.
- Kissinger, Robert H., Omaha, Nebr. Can. No. 1,060,767; May 6; Gaz. vol. 190; p. 69.
- Kissock, Alan, Golden, Colo. Extracting aluminum from its ore. No. 1,052,727; Feb. 11; Gaz. vol. 187; p. 331.
- Kistler, John T., assignor of one-fourth to G. W. Rollins and one-fourth to H. D. Phillips, Caroleen, N. C. Nut-lock. No. 1,060,005; Apr. 29; Gaz. vol. 189; p. 1053.
- Kitchen, Beverly H. (See Hix, Galen F., assignor.)
- Kitchen, Frederick T., West New Brighton, assignor to Gold Car Heating & Lighting Company, New York, N. Y. Hose-coupling lock. No. 1,056,184; Mar. 18; Gaz. vol. 188; p. 585.
- Kitchen, John F. (See Beeman and Kitchen.)
- Kitchen, John F., assignor to The Spirella Company, Meadville, Pa. Cutting-off device. No. 1,056,798; Mar. 25; Gaz. vol. 188; p. 825.
- Kitchen, John F., assignor to The Spirella Company, Meadville, Pa. Garment-stay. No. 1,063,454; June 3; Gaz. vol. 191; p. 95.
- Kitchen, John G. A., Scottforth, England. Flying-machine. No. 1,076,377; Oct. 21; Gaz. vol. 195; p. 670.
- Kitchen, Joseph M. W., East Orange, N. J. Apparatus for treating refuse material. No. 1,063,886; June 3; Gaz. vol. 191; p. 244.
- Kitchen, Joseph M. W., East Orange, N. J. Manufactured and packed butter. No. 1,072,238; Sept. 2; Gaz. vol. 194; p. 193.
- Kitchen, Tracy S., Huntington, W. Va. Automatic saw-feed apparatus. No. 1,056,032; Mar. 18; Gaz. vol. 188; p. 533.
- Kithil, Karl L., Morgantown, W. Va. Bottle-dipping machine. No. 1,057,560; Apr. 1; Gaz. vol. 189; p. 56.
- Kithil, Karl L., Morgantown, W. Va. Bottle-sealing process. No. 1,076,770; Oct. 28; Gaz. vol. 195; p. 862.
- Kitlitschko, Frank, assignor to Waverley Manufacturing Company, Jefferson, Wis. Valve mechanism. No. 1,060,101; Apr. 29; Gaz. vol. 189; p. 1083.
- Kitsee, Isidor, Philadelphia, Pa. Method and means for printing telegraphy. No. 1,050,662; Jan. 14; Gaz. vol. 186; p. 491.
- Kitsee, Isidor, Philadelphia, Pa. Telephony. No. 1,062,161; May 20; Gaz. vol. 190; p. 621.
- Kitsee, Isidor, Philadelphia, Pa. Projecting apparatus. No. 1,070,699; Aug. 19; Gaz. vol. 193; p. 624.
- Kitsee, Isidor, Philadelphia, Pa. Treating metal-carrying ores. No. 1,082,596; Dec. 30; Gaz. vol. 197; p. 1044.
- Kitsee, Isidor, assignor of one-half to W. J. Latta, Philadelphia, Pa. Electric transmission of intelligence. No. 1,050,663; Jan. 14; Gaz. vol. 186; p. 491.
- Kitsee, Isidor, assignor of one-half to W. J. Latta, Philadelphia, Pa. Telegraphic transmitter. No. 1,050,664; Jan. 14; Gaz. vol. 186; p. 492.
- Kitsee, Isidor, assignor of one-half to W. J. Latta, Philadelphia, Pa. Telegraph-converter. No. 1,051,599; Jan. 28; Gaz. vol. 186; p. 881.
- Kitsee, Isidor, Philadelphia, Pa., assignor to The Cort-Kitsee Co. Phonographic record. No. 1,074,873; Oct. 7; Gaz. vol. 195; p. 96.
- Kitsee, Isidor, Philadelphia, Pa., assignor to American Telephone and Telegraph Company, New York, N. Y. Electric transmission of intelligence. No. 1,083,255; Dec. 30; Gaz. vol. 197; p. 1264.
- Kitsee, Isidor, Philadelphia, Pa., assignor to American Telephone and Telegraph Company, New York, N. Y. Telephony. No. 1,083,256; Dec. 30; Gaz. vol. 197; p. 1264.
- Kitsee, Isidor, Philadelphia, Pa., assignor to American Telephone and Telegraph Company, New York, N. Y. Telegraph system. No. 1,083,257; Dec. 30; Gaz. vol. 197; p. 1265.
- Kitsee, Isidor, Philadelphia, Pa., assignor to American Telephone and Telegraph Company, New York, N. Y. Electric transmission of intelligence. No. 1,083,258; Dec. 30; Gaz. vol. 197; p. 1265.
- Kitsee, Isidor, Philadelphia, Pa., assignor to American Telephone and Telegraph Company, New York, N. Y. Cable telegraphy. No. 1,083,259; Dec. 30; Gaz. vol. 197; p. 1265.
- Kitson, Arthur J. D. (See Adamson and Kitson.)
- Kittle, Gilbert R. (See Anderson, David G., assignor.)
- Kitton, John C., Chicago, Ill. Refrigerating apparatus. No. 1,069,790; Aug. 12; Gaz. vol. 193; p. 271.
- Kitton, John C., Chicago, Ill. Regulating-valve. No. 1,071,241; Aug. 26; Gaz. vol. 193; p. 838.
- Kittredge, Joseph P., Sharon, Pa., assignor to The National Malleable Castings Company, Cleveland, Ohio. Car-coupling. No. 1,063,544; June 3; Gaz. vol. 191; p. 126.
- Kitts, Willard A., Jr., Oswego, N. Y. Hat-fastener. No. 1,081,967; Dec. 23; Gaz. vol. 197; p. 794.
- Kitts, Willard A., Jr., New York, N. Y. Gage-cock. No. 1,081,968; Dec. 23; Gaz. vol. 197; p. 795.
- Kitz, George A., Oshkosh, Wis. Printing-press. No. 1,068,063; July 22; Gaz. vol. 192; p. 840.
- Kitzelman, Otto, Chicago, Ill. Skylight and similar structure. No. 1,066,628; July 8; Gaz. vol. 192; p. 282.
- Kjelden, Peder J., Hendricks, Minn. Buckle. No. 1,062,715; May 27; Gaz. vol. 190; p. 846.
- Kjelsøe, Christian, Evanston, Ill. Folding table. No. 1,067,223; July 8; Gaz. vol. 192; p. 486.
- Klaber, Emile A., New York, N. Y. Folder for containing letters or other papers. No. 1,057,743; Apr. 1; Gaz. vol. 189; p. 118.
- Klaber, Emile H., London, England, and S. Whitehead, Berlin, Germany; said Whitehead assignor to said Klaber. Pencil-sharpener. No. 1,050,770; Jan. 14; Gaz. vol. 186; p. 526.
- Klaczko, Max, Berlin, Germany. Adding apparatus. No. 1,056,912; Mar. 25; Gaz. vol. 188; p. 864.
- Klaffke, Theodore L. (See Brownfield, Ewing, assignor.)
- Klages, August. (See Kaufer and Klages.)
- Klann, Erwin O., Milwaukee, Wis. Paper-fastener. No. 1,055,280; Mar. 4; Gaz. vol. 188; p. 208.
- Klapproth, Wilhelm, Ober-Ingelheim, Germany. Baking powder. No. 1,061,183; May 6; Gaz. vol. 190; p. 213.
- Klare, R. W. (See Bartlett, John C., assignor.)
- Klarman, Heinrich, Los Angeles, Cal. Street-car indicator. No. 1,081,389; Dec. 16; Gaz. vol. 197; p. 574.
- Klarwasser, Arnold, Cologne, Germany. Bending apparatus. No. 1,060,461; Apr. 29; Gaz. vol. 189; p. 1210.
- Klasgye, Fred T. (See Vaughan and Klasgye.)
- Klauder-Weldon Dyeing Machine Company. (See Evenden, John C., assignor.)
- Klauder-Weldon Dyeing Machine Company. (See Giles, John H., assignor.)
- Klauer, William H., Dubuque, Iowa. Culvert. No. 1,082,878; Dec. 30; Gaz. vol. 197; p. 1143.
- Klauer, William H., Dubuque, Iowa. Wild-oats separator. No. 1,082,879; Dec. 30; Gaz. vol. 197; p. 1143.
- Klausmeyer, David C., Oakley, assignor to The Cincinnati-Bickford Tool Company, Cincinnati, Ohio. Clamping mechanism. No. 1,070,815; Aug. 19; Gaz. vol. 193; p. 662.
- Klavon, Joseph L., Jackson, Mich. Car-replacer. No. 1,077,478; Nov. 4; Gaz. vol. 196; p. 85.
- Klawitter, August G. (See Naegelen and Klawitter.)
- Klawuhn, Emil, Detroit, Mich. Combined storm and fly screen construction for doors and windows. No. 1,063,202; June 3; Gaz. vol. 191; p. 12.
- Klay, Lewis F., Niagara Falls, N. Y. Polishing-machine. No. 1,072,620; Sept. 9; Gaz. vol. 194; p. 353.
- Klayman, Israel, Washington, D. C. Dispensing apparatus. No. 1,057,744; Apr. 1; Gaz. vol. 189; p. 119.
- Kleber, Henry, Jr., Pittsburgh, Pa. Locking device for shelves. No. 1,075,652; Oct. 14; Gaz. vol. 195; p. 395.
- Klecak, Bohumil, assignor to Van Kannel Revolving Door Company, New York, N. Y. Revolving door. No. 1,055,474; Mar. 11; Gaz. vol. 188; p. 312.
- Kleckner, Harry T., Shamokin, assignor of one-tenth to D. Acker, Port Clinton, and one-tenth to W. Rogers, Shamokin, Pa. Apparatus for the recharging of auxiliary reservoirs of air-brake systems. No. 1,082,344; Dec. 23; Gaz. vol. 197; p. 926.
- Kleckner, William R., Cowell, Cal. Device for applying substances to trees, shrubs, and vines. No. 1,080,460; Dec. 2; Gaz. vol. 197; p. 190.
- Klee, Conrad H., Honesdale, Pa. Globe faucet or valve. No. 1,064,660; June 10; Gaz. vol. 191; p. 543.
- Klee, Conrad H., Honesdale, Pa. Nut-lock. No. 1,067,873; July 22; Gaz. vol. 192; p. 776.
- Klee, William C., Rochester, N. Y. Display-holder. No. 1,081,048; Dec. 9; Gaz. vol. 197; p. 421.
- Kleensweep Manufacturing Company. (See Atkins, Charles H., assignor.)
- Klefsaas, Sivert O., Madison, Minn. Trip-hook. No. 1,055,281; Mar. 4; Gaz. vol. 188; p. 208.
- Klein, Adam, and J. Poss, Chicago, Ill. Trolley-finder. No. 1,058,761; Apr. 15; Gaz. vol. 189; p. 550.
- Klein, Albin, Erfurt, assignor to J. A. John Aktien-Gesellschaft, Erfurt-Nord, Germany. Roof-light. No. 1,076,500; Oct. 21; Gaz. vol. 195; p. 714.
- Klein, Frank E., Louisville, Ky. Storage-bag. No. 1,065,450; June 24; Gaz. vol. 191; p. 880.
- Klein, Fred J., New York, N. Y. Paper-fastener. No. 1,067,036; July 8; Gaz. vol. 192; p. 420.
- Klein, Harry H., New York, N. Y. Weighted tape. No. 1,053,405; Feb. 18; Gaz. vol. 187; p. 611.
- Klein, Hermann, Milwaukee, Wis. Meat-roasting apparatus. No. 1,051,502; Jan. 28; Gaz. vol. 186; p. 847.
- Klein, Hermann, Milwaukee, Wis. Meat-roasting apparatus. No. 1,051,503; Jan. 28; Gaz. vol. 186; p. 847.
- Klein, James J., assignor of one-half to C. R. Schumacher, New York, N. Y. Tracker-bar for automatic musical instruments. No. 1,067,926; July 22; Gaz. vol. 192; p. 793.
- Klein, Joseph, Jr., et al. (See Maxwell, William B. and G. C., assignors.)
- Klein, Otto, Paterson, N. J. Self-indicating target. No. 1,072,621; Sept. 9; Gaz. vol. 194; p. 353.
- Klein, Samuel. (See Ash, Samuel, assignor.)
- Klein, Simon, Berlin, Germany, assignor to General Electric Company. Device adapted to show whether an electric incandescent lamp has been in use. No. 1,077,479; Nov. 4; Gaz. vol. 196; p. 85.
- Klein, William, Jr., New York, N. Y. Transfer-ticket. No. 1,082,342; Dec. 23; Gaz. vol. 197; p. 925.

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- Kleinelck, Fritz, Coeburn, Va. Steam-engine. No. 1,067,037; July 8; Gaz. vol. 192; p. 421.
- Kleinert, Paul F., assignor, by mesne assignments, to The Connecticut Hook & Eye Company, Waterbury, Conn. Machine for fastening hooks and eyes on cards. No. 1,071,643; Aug. 26; Gaz. vol. 193; p. 971.
- Kleinfeldt, Arthur, Hoboken, N. J. Siphon for dispensing liquids. No. 1,072,239; Sept. 2; Gaz. vol. 194; p. 193.
- Kleinfeldt, Henry F. (See Russ, Beach, and Kleinfeldt.)
- Kleinman, Asher. (See Hibon, Sidney J., assignor.)
- Kleinschmidt, Edward E., Brooklyn, N. Y., assignor to General Railway Equipment Company. Telephone system. No. 1,062,577; May 20; Gaz. vol. 190; p. 759.
- Kleinstück, Martin. (See Schmidt and Kleinstück.)
- Kleintob, Freas B., Philadelphia, Pa. Table. No. 1,073,910; Sept. 23; Gaz. vol. 194; p. 863.
- Klement, Wilhelm, Neu-Finkenkrug-Falkenhain, E. Kohrs, and C. Leichtenschlag, Charlottenburg, assignors to Siemens-Schuckertwerke G. m. b. H., Berlin, Germany. Contact for screw-plug fuses. No. 1,054,212; Feb. 25; Gaz. vol. 187; p. 923.
- Klenert, Harry, New York, N. Y. Horse feed-bag. No. 1,064,745; June 17; Gaz. vol. 191; p. 609.
- Klenk, George, Weiser, Idaho. Nut-lock. No. 1,074,551; Sept. 30; Gaz. vol. 194; p. 1104.
- Klenk, Gottlieb, Defiance, Ohio, assignor to The Defiance Pressed Steel Company. Packing-case. No. 1,081,674; Dec. 16; Gaz. vol. 197; p. 665.
- Klenke Cushion Axle Company. (See Klenke and Roehrich, assignors.)
- Klenke, Theodore A., New York, and F. N. Roehrich, Brooklyn, N. Y., assignors, by mesne assignments, to Klenke Cushion Axle Company. Vehicle. No. 1,066,919; July 8; Gaz. vol. 192; p. 383.
- Klenke, Theodore A., New York, N. Y., and F. N. Roehrich, Jersey City, N. J., assignors to Klenke Cushion Axle Company. Vehicle suspension. No. 1,066,920; July 8; Gaz. vol. 192; p. 383.
- Klepper, Julius L., New York, N. Y. Syringe. No. 1,055,188; Mar. 4; Gaz. vol. 188; p. 179.
- Klespies, William, Los Angeles, Cal. Key-fastener. No. 1,082,427; Dec. 23; Gaz. vol. 197; p. 952.
- Klettke, Julius F. A., Carney, Mich. Fire-escape. No. 1,055,282; Mar. 4; Gaz. vol. 188; p. 208.
- Kleven, George T., Winesap, Wash. Jack for power-operated shovels. No. 1,067,038; July 8; Gaz. vol. 192; p. 421.
- Kleven, Ole L., Oslo, Minn. Grain-separator. No. 1,079,707; Nov. 25; Gaz. vol. 196; p. 943.
- Kliber, William C., assignor to L. St. James, Federalsburg, Md. Track adjuster and gage. No. 1,053,831; Feb. 18; Gaz. vol. 187; p. 755.
- Kliment, August, Noria, N. Mex. Sled. No. 1,077,082; Oct. 28; Gaz. vol. 195; p. 972.
- Klinck, John H., Pittsburgh, Pa., assignor to Westinghouse Electric and Manufacturing Company. Control system for electric motors. No. 1,074,874; Oct. 7; Gaz. vol. 195; p. 97.
- Kline, Amos G., Sabula, Pa. Rail-joint. No. 1,052,261; Feb. 4; Gaz. vol. 187; p. 144.
- Kline, George L., St. Louis, Mo. Coin-collector. No. 1,059,374; Apr. 22; Gaz. vol. 189; p. 800.
- Kline, George P., Moline, Ill. Attachment for micrometer-calipers. No. 1,074,552; Sept. 30; Gaz. vol. 194; p. 1104.
- Kline, Jacob B., Thurman, Iowa. Animal-trap. No. 1,054,564; Feb. 25; Gaz. vol. 187; p. 1041.
- Kline, John P., Brooklyn, Mich. Lantern-bracket for vehicles. No. 1,074,272; Sept. 30; Gaz. vol. 194; p. 1013.
- Kline, Philip. (See Heeter and Kline.)
- Kline, Richard E., *et al.* (See Griffin, Thomas J., assignor.)
- Kling, Louis A. (See Senter and Kling.)
- Kling, Peter M., Elizabeth, N. J. Bolt. No. 1,055,330; Mar. 11; Gaz. vol. 188; p. 263.
- Kling, Peter M., Elizabeth, N. J. Bolt. No. 1,075,919; Oct. 14; Gaz. vol. 195; p. 485.
- Kling, Peter M., Elizabeth, N. J. Bolt. No. 1,075,980; Oct. 14; Gaz. vol. 195; p. 506.
- Kling, Peter M., Elizabeth, N. J. Spring-wheel. No. 1,077,410; Nov. 4; Gaz. vol. 196; p. 60.
- Klingaman, George E., Beaver Valley, Pa. Painter's table. No. 1,053,613; Feb. 18; Gaz. vol. 187; p. 682.
- Klinge, John, Martinsburg, Mo. Cutting mechanism. No. 1,054,693; Mar. 4; Gaz. vol. 188; p. 13.
- Klinger, Richard, Gumpoldskirchen, near Vienna, Austria-Hungary. Water and like gage fitting. No. 1,067,661; July 15; Gaz. vol. 192; p. 672.
- Klinkhammer, Joseph, Hopkins, Minn. Grain-door for cars. No. 1,054,213; Feb. 25; Gaz. vol. 187; p. 924.
- Klister, Barney H., and P. Vandehey, Wrightstown, Wis. Door-latch. No. 1,075,653; Oct. 14; Gaz. vol. 195; p. 395.
- Klitchko, Frank, Cleveland, Ohio. Spring-wheel. No. 1,059,616; Apr. 22; Gaz. vol. 189; p. 881.
- Klobukowski, Wladyslaw P., Warsaw, Russia. Humidifier for heaters. No. 1,057,851; Apr. 1; Gaz. vol. 189; p. 157.
- Klock, Frank W., Kelton, Utah. Game apparatus. No. 1,072,013; Sept. 2; Gaz. vol. 194; p. 118.
- Klock, Henry C., Detroit, Mich. Draining apparatus. No. 1,069,147; Aug. 5; Gaz. vol. 193; p. 19.
- Kloeb, Joseph A., Piqua, Ohio. Floor-furnace. No. 1,073,610; Sept. 23; Gaz. vol. 194; p. 759.
- Kloeb, William M., Girard, Kans. Fire-lighter. No. 1,075,213; Oct. 7; Gaz. vol. 195; p. 215.
- Kloes, Firm of F. J. (See Pease, Orville E., assignor.)
- Klogus, Charles E., Canonsburg, Pa. Metallic tie and fastener. No. 1,066,921; July 8; Gaz. vol. 192; p. 384.
- Klohs, Bartholomew F., assignor to The Diebold Safe & Lock Company, Canton, Ohio. Permutation-lock. No. 1,066,629; July 8; Gaz. vol. 192; p. 283.
- Klohs, Sam F., assignor to T. W. Snow Construction Company, Chicago, Ill. Hoop-securing means. No. 1,070,613; Aug. 19; Gaz. vol. 193; p. 595.
- Klok, Carl K., Chicago, Ill. Table-bed. No. 1,058,984; Apr. 15; Gaz. vol. 189; p. 630.
- Klopfenstein, Jonas, Silverton, Oreg. Pump-regulating mechanism. No. 1,067,662; July 15; Gaz. vol. 192; p. 672.
- Klopfer, Otto. (See Kemmler, John A., assignor.)
- Klopping, Adolph C., assignor of one-half to The Toledo Parlor Furniture Company, Toledo, Ohio. Leg-bracing means for bed-frames. No. 1,071,927; Sept. 2; Gaz. vol. 194; p. 89.
- Klopping, Adolph C., assignor of one-half to The Toledo Parlor Furniture Company, Toledo, Ohio. Leg-locking means for foldable bed-frames or the like. No. 1,081,271; Dec. 9; Gaz. vol. 197; p. 496.
- Klopping, Adolph C., assignor of one-half to The Toledo Parlor Furniture Company, Toledo, Ohio. Bed-davenport. No. 1,081,272; Dec. 9; Gaz. vol. 197; p. 496.
- Klose, Gustav K. H., assignor to Eagle Pencil Company, New York, N. Y. Pencil-sharpener. No. 1,077,723; Nov. 4; Gaz. vol. 196; p. 164.
- Kloss, Jethro, St. Peter, Minn. Canner. No. 1,059,305; Apr. 15; Gaz. vol. 189; p. 740.
- Klotz, William N., assignor to The Canton Culvert Company, Canton, Ohio. Sheet-metal drain-pipe. No. 1,075,153; Oct. 7; Gaz. vol. 195; p. 194.
- Klousnitzer, Frank, Herman, Pa. Window-screen. No. 1,058,985; Apr. 15; Gaz. vol. 189; p. 630.
- Kluck, Ernest M., assignor of one-half to himself and one-half to N. C. Newerf, Buffalo, N. Y. Muffler. No. 1,060,768; May 6; Gaz. vol. 190; p. 70.
- Klug, Louis W., Woonsocket, S. D. Seed-corn rack and stand. No. 1,062,242; May 20; Gaz. vol. 190; p. 648.
- Kluge, Otto, Golconda, Ill. Baling mechanism. No. 1,062,243; May 20; Gaz. vol. 190; p. 649.
- Kluge, Otto, Golconda, Ill. Mowing attachment for motor-vehicles. No. 1,069,705; Aug. 12; Gaz. vol. 193; p. 241.
- Klugel, Oscar G., assignor of one-half to E. E. Crane, Indianapolis, Ind. Cigar-lighter. No. 1,076,583; Oct. 21; Gaz. vol. 195; p. 743.
- Klumpp, Gottlob, Bayonne, N. J. Carpet-cleaner. No. 1,063,163; May 27; Gaz. vol. 190; p. 994.
- Klumpp, Gottlob and P., Bayonne, N. J., assignors of one-half to E. A. Hawthorne, Bridgeport, Conn. Vacuum carpet-sweeper. No. 1,066,287; July 1; Gaz. vol. 192; p. 137.
- Klumpp, Pauline. (See Klumpp, Gottlob and P.)
- Klunker, Frederick E., Canon City, Colo. Gravel-hopper. No. 1,073,245; Sept. 16; Gaz. vol. 194; p. 611.
- Klusewitz, Thomas M., Baltimore, Md. Cutlery-sharpener. No. 1,075,110; Oct. 7; Gaz. vol. 195; p. 179.
- Knaak, Louis, McDonald, Pa. Rail-joint. No. 1,075,654; Oct. 14; Gaz. vol. 195; p. 395.
- Knaebel, Benedikt, Dusseldorf, assignor to Rheinische Metallwaaren- und Maschinenfabrik, Dusseldorf-Derendorf, Germany. Manufacture of hollow bodies. No. 1,082,199; Dec. 23; Gaz. vol. 197; p. 873.
- Knaebel, Benedikt, Dusseldorf, assignor to Rheinische Metallwaaren- und Maschinenfabrik, Dusseldorf-Derendorf, Germany. Manufacture of hollow bodies. No. 1,082,200; Dec. 23; Gaz. vol. 197; p. 873.
- Knap, William F. (See Huckstep, Francis B., assignor.)
- Knappe, Charles N. F., assignor, by mesne assignments, to The Colonial Trust Company, trustee, Pittsburgh, Pa. Turbine-blade. No. 1,061,754; May 13; Gaz. vol. 190; p. 445.
- Knappe, John, Grand Rapids, Mich. Adjustable shelf-support. No. 1,055,050; Mar. 4; Gaz. vol. 188; p. 135.
- Knappe, John, Grand Rapids, Mich. Roller-guide for show-cases. No. 1,079,986; Dec. 2; Gaz. vol. 197; p. 23.
- Knapp Brothers Manufacturing Company. (See Knapp, George S., assignor.)
- Knapp, Everett W., St. Paul, Minn. Wagon. No. 1,067,988; July 22; Gaz. vol. 192; p. 814.
- Knapp, Frank, Ripon, Wis. Fish-scaler. No. 1,080,982; Dec. 9; Gaz. vol. 197; p. 401.
- Knapp, George O. (See Beach, Clarence E., assignor.)
- Knapp, George O. (See Beach and Doughty, assignors.)
- Knapp, George O. (See Doughty, Herman W., assignor.)
- Knapp, George O. (See Furman, Clifford G., assignor.)
- Knapp, George P., Bridgeport, Conn. Safety device. No. 1,060,608; May 6; Gaz. vol. 190; p. 15.
- Knapp, George S., La Grange, Ill., assignor to Knapp Brothers Manufacturing Company. Corner-bead. No. 1,049,733; Jan. 7; Gaz. vol. 186; p. 141.

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- Knapp, George W., Jr., assignor to National Enameling and Stamping Company, Baltimore, Md. Bug and fly trap. No. 1,065,878; June 24; Gaz. vol. 191; p. 1025.
- Knapp, Grant, and D. Cruice, assignors to J. M. Ehrlich, New York, N. Y. Horseshoe-pad. No. 1,051,851; Jan. 28; Gaz. vol. 186; p. 962.
- Knapp, John J., trustee. (See Dawson and Buckham, assignors.)
- Knapp, Joseph B., Portland, Oreg. Creosote-heater. No. 1,052,418; Feb. 4; Gaz. vol. 187; p. 196.
- Knapp, Paul S., Akron, Ohio. Bowling-alley. No. 1,062,162; May 20; Gaz. vol. 190; p. 621.
- Knapp, Perry. (See Chatterton, Charles K., assignor.)
- Knapp, Theron L., Woodstock, assignor to The Oliver Typewriter Company, Chicago, Ill. Dead-key mechanism for type-writing machines. No. 1,063,977; June 10; Gaz. vol. 191; p. 310.
- Knapp, Thomas H., Chicago, Ill. Space-band for linotype-machines. No. 1,078,049; Nov. 11; Gaz. vol. 196; p. 309.
- Knapp, Walter C., Rochester, N. Y. Cultivating-machine. No. 1,058,370; Apr. 8; Gaz. vol. 189; p. 381.
- Knapp, William B., Paterson, N. J. Window screen, curtain, and the like. No. 1,068,780; July 29; Gaz. vol. 192; p. 1126.
- Knauf, Ezra, Spokane, Wash. Rule and pencil holder. No. 1,070,262; Aug. 12; Gaz. vol. 193; p. 433.
- Knauf, Paul W., Cynwyd, assignor to Schutte & Koerting Company, Philadelphia, Pa. Combined trip and throttle-valve. No. 1,069,434; Aug. 5; Gaz. vol. 193; p. 122.
- Knauf, Paul W., Cynwyd, assignor to Schutte & Koerting Company, Philadelphia, Pa. Oil-burner. No. 1,070,700; Aug. 19; Gaz. vol. 193; p. 625.
- Knauff, George C., Chicago, Ill. Socket for electric lamps. No. 1,059,617; Apr. 22; Gaz. vol. 189; p. 882.
- Knauff, George C., Chicago, Ill. Socket for electric lamps. No. 1,078,586; Nov. 11; Gaz. vol. 196; p. 493.
- Kneass, Strickland L., assignor to William Sellers & Company, Incorporated, Philadelphia, Pa. Injector. No. 1,069,883; Aug. 12; Gaz. vol. 193; p. 304.
- Knecht, Johann J., Chemnitz, Germany. Tambour-frame-operating mechanism. No. 1,079,863; Nov. 25; Gaz. vol. 196; p. 998.
- Kneedler, John D., Sioux City, Iowa. Engine-starter. No. 1,056,799; Mar. 25; Gaz. vol. 188; p. 825.
- Kneedler, John D., Sioux City, Iowa. Engine. No. 1,077,724; Nov. 4; Gaz. vol. 196; p. 164.
- Kneedler, John D., assignor of one-third to B. Couch and one-third to N. T. Hanson, Sioux City, Iowa. Engine-starter. No. 1,077,841; Nov. 4; Gaz. vol. 196; p. 205.
- Kneedler, Oscar. (See Brehner and Kneedler.)
- Kneeland, Ernest S., Malden, Mass. Delivery mechanism for weighing-machines. No. 1,080,514; Dec. 2; Gaz. vol. 197; p. 208.
- Kneeland, Ernest S., Malden, Mass. Bag-holding device for scales. No. 1,081,452; Dec. 16; Gaz. vol. 197; p. 595.
- Kneisel, Arthur, Cleveland, Ohio. Test-connector for electric wires. No. 1,055,305; Mar. 4; Gaz. vol. 188; p. 217.
- Knepka, Charles H. (See Jenkins and Knepka.)
- Knepper, George E., Altoona, Pa. Refrigerator-car. No. 1,080,983; Dec. 9; Gaz. vol. 197; p. 401.
- Kneuper, George M., New York, N. Y. Filter. No. 1,061,755; May 13; Gaz. vol. 190; p. 445.
- Knickerbocker Trust Company, trustee. (See Jones, Joseph W., assignor.)
- Knies, Henry E., White Haven, Pa. Alarm for tires. No. 1,061,184; May 6; Gaz. vol. 190; p. 213.
- Kniesche, August F., Baltimore, Md. Head-steaming apparatus. No. 1,061,083; May 6; Gaz. vol. 190; p. 179.
- Knight, Alfred H., assignor to Packard Motor Car Company, Detroit, Mich. Coupé wind-shield. No. 1,051,419; Jan. 28; Gaz. vol. 186; p. 818.
- Knight, Alfred H., assignor to Packard Motor Car Company, Detroit, Mich. Motor-vehicle. No. 1,052,485; Feb. 11; Gaz. vol. 187; p. 252.
- Knight, Arthur S., Newark, N. J., assignor to Westinghouse Lamp Company. Incandescent lamp. No. 1,059,737; Apr. 22; Gaz. vol. 189; p. 921.
- Knight, Arthur S., Newark, N. J., assignor to Westinghouse Lamp Company. Support for incandescent-lamp filaments. No. 1,059,738; Apr. 22; Gaz. vol. 189; p. 921.
- Knight-Brinkerhoff Piano Company. (See Knight, Frank A., assignor.)
- Knight, Carl W., Tiffin, Ohio. Explosive-engine. No. 1,082,958; Dec. 30; Gaz. vol. 197; p. 1171.
- Knight, Charles D., Schenectady, N. Y., assignor to General Electric Company. Automatic starting-switch. No. 1,064,228; June 10; Gaz. vol. 191; p. 398.
- Knight, Charles D., Schenectady, N. Y., assignor to General Electric Company. Motor-starter. No. 1,075,579; Oct. 14; Gaz. vol. 195; p. 369.
- Knight, Charles Y., Coventry, England. Piston. No. 1,061,756; May 13; Gaz. vol. 190; p. 445.
- Knight, Charles Y., Chicago, Ill. Explosion-engine. No. 1,072,860; Sept. 9; Gaz. vol. 194; p. 438.
- Knight, Earle R., Norwood, Ohio, assignor to Allis-Chalmers Company. Dynamo-electric machine. No. 1,065,532; June 24; Gaz. vol. 191; p. 907.
- Knight, Frank A., assignor to Knight-Brinkerhoff Piano Company, Brazil, Ind. Piano. No. 1,081,537; Dec. 16; Gaz. vol. 197; p. 624.
- Knight, Frank R., Cornwall, N. Y. Excavator. No. 1,058,066; Apr. 8; Gaz. vol. 189; p. 273.
- Knights, George L., assignor to Pettingell Machine Company, Amesbury, Mass. Rotary cutting-machine. No. 1,060,908; May 6; Gaz. vol. 190; p. 120.
- Knight, Henry T., Summerland, Miss. Road-machine. No. 1,082,959; Dec. 30; Gaz. vol. 197; p. 1171.
- Knight, Herbert C., Portland, Me. Spring-wheel. No. 1,078,150; Nov. 11; Gaz. vol. 196; p. 343.
- Knight, Howard S. (See Brox and Knight.)
- Knight, John, Newark, N. J. Shaker for chocolate and the like. No. 1,079,563; Nov. 25; Gaz. vol. 196; p. 893.
- Knight, Margaret E., South Framingham, Mass., assignor to K-D Motor Company. Internal-combustion engine. No. 1,068,781; July 29; Gaz. vol. 192; p. 1126.
- Knight, Percy, Anglesea, England. Means for securing blades in turbines. No. 1,059,618; Apr. 22; Gaz. vol. 189; p. 882.
- Knight, Sherwood S., Webster Groves, assignor to Scullin-Gallagher Iron & Steel Company, St. Louis, Mo. Passenger-car underframe. No. 1,050,954; Jan. 21; Gaz. vol. 186; p. 628.
- Knight, Sherwood S., Webster Groves, assignor to Scullin-Gallagher Iron & Steel Company, St. Louis, Mo. Truck-bolster. No. 1,053,514; Feb. 18; Gaz. vol. 187; p. 648.
- Knight, Theodore H., Hazlehurst, Miss. Rail-joint. No. 1,054,565; Feb. 25; Gaz. vol. 187; p. 1041.
- Knight, William H. H., Philadelphia, Pa. Register. No. 1,054,214; Feb. 25; Gaz. vol. 187; p. 924.
- Knights, Harry W. (See Love, Matthew, assignor.)
- Knipe, Everett, Emmett, Idaho. Automatic fish-screen. No. 1,054,566; Feb. 25; Gaz. vol. 187; p. 1042.
- Knipe, Oliver C., Palo Alto, Cal. Baking machinery. No. 1,064,345; June 10; Gaz. vol. 191; p. 436.
- Knipe, Oliver C., Palo Alto, Cal. Ball-bearing. No. 1,075,829; Oct. 14; Gaz. vol. 195; p. 454.
- Knipping, Rainer H., Franklin, La. Well-pump. No. 1,073,143; Sept. 16; Gaz. vol. 194; p. 575.
- Kniseley, Mary A., Checotah, Okla. Maternity-waist. No. 1,059,167; Apr. 15; Gaz. vol. 189; p. 692.
- Kniss, Peter T., Waterloo, Ind. Hot-water furnace. No. 1,050,144; Jan. 14; Gaz. vol. 186; p. 314.
- Knistrom, August, Binghamton, N. Y. Calculating-machine. No. 1,072,740; Sept. 9; Gaz. vol. 194; p. 395.
- Knittel, Lawrence J., Lyons, N. Y. Dinner-pail. No. 1,058,601; Apr. 8; Gaz. vol. 189; p. 457.
- Knobel, Frederic X., River Falls, Wis. Alternating ink-pad. No. 1,075,830; Oct. 14; Gaz. vol. 195; p. 454.
- Knoblock, Henry P., Pittsburgh, Pa. Toaster. No. 1,070,263; Aug. 12; Gaz. vol. 193; p. 433.
- Knoblock, Otto M., South Bend, Ind. Electric switch. No. 1,080,563; Dec. 9; Gaz. vol. 197; p. 256.
- Knoch, Isaac. (See Lewis and Knoch.)
- Knode, John C. (See Atkinson, William R., assignor.)
- Knoedler, Elmer L., assignor to Welsbach Light Company, Gloucester City, N. J. Manufacture of inverted mantles. No. 1,062,163; May 20; Gaz. vol. 190; p. 622.
- Knoerzer, Otto, assignor to Champion Potato Machinery Company, Hammond, Ind. Potato-planter. No. 1,070,898; Aug. 19; Gaz. vol. 193; p. 689.
- Knöfiter & Co., O. (See Meitner, Lise, assignor.)
- Knoke, George, Richmond, Va. Bottle-cleaning brush. No. 1,074,875; Oct. 7; Gaz. vol. 195; p. 97.
- Knollmann, George F., Evansville, Ind. Heating device for automobiles. No. 1,057,485; Apr. 1; Gaz. vol. 189; p. 30.
- Knoop, Oskar, Ekkenberg, near Gratz, Austria-Hungary. Screw-wrench. No. 1,062,830; May 27; Gaz. vol. 190; p. 884.
- Knoph, L. A. O. (See Hrabak, John, assignor.)
- Knöthen, Mathias, assignor to Gesellschaft zur Verwertung von Feuerwaffen-Patenten m. b. H., Cologne, Germany. Automatic machine-gun. No. 1,055,759; Mar. 11; Gaz. vol. 188; p. 407.
- Knoth, Conrad, Newark, assignor to Hyatt Roller Bearing Company, Harrison, N. J. Safety device for power-presses. No. 1,065,051; June 17; Gaz. vol. 191; p. 706.
- Knoth, John V., New York, N. Y., assignor to Polack Tyre Company. Antiskidding attachment. No. 1,049,734; Jan. 7; Gaz. vol. 186; p. 141.
- Knott, Levi, Altoona, Pa. Weather-strip. No. 1,052,728; Feb. 11; Gaz. vol. 187; p. 332.
- Knott Manufacturing Company. (See Porsch, George B., assignor.)
- Knowles, Albert E., Wolverhampton, England. Apparatus for the purification of electrolytic gases. No. 1,067,822; July 22; Gaz. vol. 192; p. 759.
- Knowles, Albert E., Wolverhampton, England. Apparatus for the purification of electrolytic gases. No. 1,073,246; Sept. 16; Gaz. vol. 194; p. 612.
- Knowles, Alfred, Manchester, England. Cap. No. 1,055,051; Mar. 4; Gaz. vol. 188; p. 136.

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- Knowles, Alfred, Cheetham, Manchester, England. Means for pressing and finishing cloth caps. No. 1,069,337; Aug. 5; Gaz. vol. 193; p. 87.
- Knowles, Edwin B., Bridgeport, Conn., assignor to C. L. Hill, Lancaster, Pa. Brake-liner fabric and making same. No. 1,053,299; Feb. 18; Gaz. vol. 187; p. 574.
- Knowles, John P., St. Paul, Minn. Page or stub clamp. No. 1,067,927; July 22; Gaz. vol. 192; p. 793.
- Knowles, Latham A., Vienna, Ill. Stove. No. 1,068,392; July 22; Gaz. vol. 192; p. 953.
- Knowles, Latham A., assignor of one-half to O. E. Harvick, Vienna, Ill. Automatic heater. No. 1,067,989; July 22; Gaz. vol. 192; p. 814.
- Knowles, William H., and W. F. Goreham, London, England. Lubricator. No. 1,073,911; Sept. 23; Gaz. vol. 194; p. 864.
- Knowlson, James S., La Grange, assignor to Electro-Magnetic Tool Company, Chicago, Ill. Mechanical hammer. No. 1,082,880; Dec. 30; Gaz. vol. 197; p. 1143.
- Knowlton, Annie D., *et al.*, administrators. (See Knowlton, Mark D.)
- Knowlton, Charles F., and F. F. Elliot, Pittsburgh, Pa., assignors to The Osborn Manufacturing Company, Cleveland, Ohio. Mold-making machine. No. 1,051,897; Feb. 4; Gaz. vol. 187; p. 17.
- Knowlton, Clarence E., Rochester, Minn. Electric switch. No. 1,050,740; Jan. 14; Gaz. vol. 186; p. 516.
- Knowlton, Edgar, Pidcock, Ga. Peanut-planter. No. 1,061,384; May 13; Gaz. vol. 190; p. 316.
- Knowlton, Erni J., Birmingham, Ala. Switch-operating mechanism. No. 1,061,185; May 6; Gaz. vol. 190; p. 213.
- Knowlton, Frederic K., *et al.*, administrators. (See Knowlton, Mark D.)
- Knowlton, Jefferson F., Canton, S. D. Exhaust-valve for internal-combustion engines. No. 1,055,403; Mar. 11; Gaz. vol. 188; p. 289.
- Knowlton, Mark D., deceased; A. D. and F. K. Knowlton, administrators, Rochester, N. Y. Machine for attaching box-corner stays. No. 1,061,084; May 6; Gaz. vol. 190; p. 180.
- Knowlton, Mark D., deceased; F. K. and A. D. Knowlton, administrators, Rochester, N. Y. Manufacture of boxes. No. 1,079,772; Nov. 25; Gaz. vol. 196; p. 968.
- Knox, Clara M., *et al.* (See Gould, Fred L., assignor.)
- Knox, Dana S., Denver, Colo., assignor to Mergenthaler Linotype Company. Line-casting machine. No. 1,080,352; Dec. 2; Gaz. vol. 197; p. 154.
- Knox, Harry A., Springfield, Mass. Internal-combustion engine. No. 1,075,580; Oct. 14; Gaz. vol. 195; p. 370.
- Knox, Luther L., Avalon, Pa., assignor to The Knox Pressed & Welded Steel Company, Niles, Ohio. Regenerative furnace. No. 1,070,486; Aug. 19; Gaz. vol. 193; p. 552.
- Knox, Luther L., assignor to The Knox Pressed & Welded Steel Company, Niles, Ohio. Furnace-door frame. No. 1,070,487; Aug. 19; Gaz. vol. 193; p. 553.
- Knox, Luther L., assignor to The Knox Pressed & Welded Steel Company, Niles, Ohio. Water-cooled furnace-door frame. No. 1,073,144; Sept. 16; Gaz. vol. 194; p. 575.
- Knox Pressed & Welded Steel Company, The. (See Knox, Luther L., assignor.)
- Knox Terpezone Company of America. (See Knox, William J., assignor.)
- Knox, William J. (See Harrison and Knox.)
- Knox, William J., Dubois, Pa., assignor of one-half to Commonwealth Steel Company, St. Louis, Mo. Railway-car side framing-panel. No. 1,060,344; Apr. 29; Gaz. vol. 189; p. 1170.
- Knox, William J., Dubois, Pa., assignor of one-half to Commonwealth Steel Company, St. Louis, Mo. Railway-car end framing. No. 1,066,122; July 1; Gaz. vol. 192; p. 77.
- Knox, William J., Dubois, Pa., assignor to Commonwealth Steel Company, St. Louis, Mo. Railway-car side-door frame. No. 1,079,652; Nov. 25; Gaz. vol. 196; p. 923.
- Knox, William J., New York, N. Y., assignor to Knox Terpezone Company of America. Gaseous ozonids and their production. No. 1,081,617; Dec. 16; Gaz. vol. 197; p. 648.
- Knuckles, George H., Slusher, Ky. Detachable saw-handle. No. 1,060,909; May 6; Gaz. vol. 190; p. 120.
- Knudsen, Christian, Portland, Oreg. Door-lock. No. 1,079,987; Dec. 2; Gaz. vol. 197; p. 23.
- Knudsen, Cornelius, *et al.* (See Schell, Max P., assignor.)
- Knudsen, Emil, Mühlbach, Austria-Hungary. Tilting furnace for smelting pyrites and sulfur ores. No. 1,075,214; Oct. 7; Gaz. vol. 195; p. 216.
- Knudsen, Hans, London, England. Internal-combustion engine. No. 1,057,063; Mar. 25; Gaz. vol. 188; p. 917.
- Knudsen, Karsten, Grand Rapids, Mich., assignor to Electric Wheel Co., (Associates,) Springfield, Mass. Wheel. No. 1,075,655; Oct. 14; Gaz. vol. 195; p. 395.
- Knudsen, Karsten, Grand Rapids, Mich., assignor to Electric Wheel Co., (Associates,) Springfield, Mass. Electric motor-wheel. No. 1,079,917; Nov. 25; Gaz. vol. 196; p. 1018.
- Knudson, Charles, and E. J. Brumbach, Pontiac, Ill. Auto-jack. No. 1,080,564; Dec. 9; Gaz. vol. 197; p. 256.
- Knudson, Charles E., Everest, Kans. Brood-coop and run. No. 1,061,850; May 13; Gaz. vol. 190; p. 473.
- Knudson, Henry E., assignor of one-half to A. G. Heyerdahl, Orfordville, Wis. Udder-clamp for cows. No. 1,059,168; Apr. 15; Gaz. vol. 189; p. 692.
- Knupfer, Frank, Detroit, Mich. Collapsible-tube-finishing machine. No. 1,076,985; Oct. 28; Gaz. vol. 195; p. 939.
- Knupp, Martin P., *et al.* (See Martin, William H., assignor.)
- Knurck, John G., New York, N. Y. Card-addressing machine. No. 1,069,958; Aug. 12; Gaz. vol. 193; p. 328.
- Knutson, Alfred W., assignor of one-fourth to F. M. Connolly and one-fourth to G. Sanderson, Galesburg, Ill. Apparatus for controlling electric-light systems. No. 1,058,986; Apr. 15; Gaz. vol. 189; p. 630.
- Knüttel, Friedrich, Charlottenburg, Germany. Malt-drum. No. 1,064,490; June 10; Gaz. vol. 191; p. 487.
- Kober, Joseph, Irwin, Pa. Portable branch track. No. 1,069,069; July 29; Gaz. vol. 192; p. 1226.
- Kober, Philip A., Hastings-upon-Hudson, N. Y., and J. T. Marshall, Philadelphia, Pa. Manufacture of salts of phenolphthalic acid and its derivatives. No. 1,071,321; Aug. 26; Gaz. vol. 193; p. 864.
- Kobert, Edward J., Woodside, N. Y. Shoe-tree. No. 1,062,164; May 20; Gaz. vol. 190; p. 622.
- Kobert, Edward J., Woodside, N. Y. Shoe-tree. No. 1,062,165; May 20; Gaz. vol. 190; p. 622.
- Kobert, Frank P., Woodside, N. Y. Cable-supporting device. No. 1,050,364; Jan. 14; Gaz. vol. 186; p. 390.
- Kobert, Frank P., Fairhaven, Conn. Supplemental rim for pulleys or belt-wheels. No. 1,062,831; May 27; Gaz. vol. 190; p. 884.
- Kobler, Victor, Rorschach, Switzerland, assignor to Firm of A. Saurer, Arbon, Switzerland. Jacquard apparatus for embroidering-machines. No. 1,059,880; Apr. 22; Gaz. vol. 189; p. 966.
- Kobling, Anton S., Wallingford, Conn. Life-saving boat. No. 1,068,906; July 29; Gaz. vol. 192; p. 1172.
- Koch, Adolph H., Los Angeles, Cal. Saw-guiding instrument. No. 1,064,346; June 10; Gaz. vol. 191; p. 436.
- Koch, Arthur F., Decatur, Ill. Film-signal for moving-picture machines. No. 1,078,861; Nov. 18; Gaz. vol. 196; p. 622.
- Koch, Carl F. R. von, Stockholm, Sweden. Process of and furnace for securing products formed in gases at high temperatures. No. 1,051,120; Jan. 21; Gaz. vol. 186; p. 686.
- Koch, Carl F. R. von, Stockholm, Sweden. Method of and means for heating gases to high temperatures. No. 1,065,144; June 17; Gaz. vol. 191; p. 738.
- Koch, George J. (See Lambert, Frederick C., assignor.)
- Koch, George W., Philadelphia, Pa. Bottle washing and rinsing machine. No. 1,055,760; Mar. 11; Gaz. vol. 188; p. 408.
- Koch, Hans, Dietikon, Zurich, Switzerland. Crucible-furnace. No. 1,073,912; Sept. 23; Gaz. vol. 194; p. 865.
- Koch, Hans, and J. J. Müller, Dietikon, Switzerland. Warp stop-motion. No. 1,082,428; Dec. 23; Gaz. vol. 197; p. 952.
- Koch, Henry, assignor to The Regina Company, Rahway, N. J. Mechanical musical instrument. No. 1,054,297; Feb. 25; Gaz. vol. 187; p. 949.
- Koch, Hermann, Dresden, Germany, assignor to Steingutfabrik Gesellschaft m. b. H., Teplitz, Bohemia, Austria-Hungary. Spittoon. No. 1,066,123; July 1; Gaz. vol. 192; p. 77.
- Koch, Hermann J., Cologne, Germany. Bracket-seat. No. 1,068,593; July 29; Gaz. vol. 192; p. 1061.
- Koch, Max, Ratingen, Germany. Rolling-mill for rolling tubes. No. 1,067,990; July 22; Gaz. vol. 192; p. 814.
- Koch, Max M. (See Becker and Koch.)
- Koch, Norbert. (See Hayn and Koch.)
- Koch, Norbert, Essen-Rellinghausen, assignor to Fried. Krupp Aktiengesellschaft, Essen-on-the-Ruhr, Germany. Traveling ordnance. No. 1,063,041; May 27; Gaz. vol. 190; p. 954.
- Koch, Otto J. (See Nydegger, Adolph, assignor.)
- Koch, William E., *et al.* (See Hamm, Clayton W., assignor.)
- Kochendorfer, Frederic S. (See Motter and Kochendorfer.)
- Kochmann, Wilhelm, Berlin, Germany. Apparatus for carrying out gas reactions, particularly for the production of oxid of nitrogen in the electric arc. No. 1,055,331; Mar. 11; Gaz. vol. 188; p. 263.
- Kocourek, Henry, Chicago, Ill. Window-hook. No. 1,067,524; July 15; Gaz. vol. 192; p. 624.
- Koechlin, Albert G., Basel, Switzerland, assignor to Spinnerei & Weberei Steinen A. G., Steinen, Germany. Loom for weaving. No. 1,073,145; Sept. 16; Gaz. vol. 194; p. 575.
- Koechlin, Albert G., Basel, Switzerland, assignor, by mesne assignments, to Draper Company, Hopedale, Mass. Automatic weft-bobbin-exchanging device for looms. No. 1,074,629; Oct. 7; Gaz. vol. 195; p. 14.
- Koechlin, Albert G., Steinen, Germany, assignor to Draper Company, Hopedale, Mass. Loom stopping mechanism. No. 1,082,086; Dec. 23; Gaz. vol. 197; p. 836.

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- Koechlin, Isaac, Levallois-Perret, assignor to Société Anonyme des Automobiles et Cycles Peugeot, Paris, France. Elastic coupling for motor-gearing. No. 1,072,622; Sept. 9; Gaz. vol. 194; p. 354.
- Koebl, James A., Washington, D. C., and R. H. Rother, Baltimore, Md.; said Koebl assignor to said Rother. Scriber. No. 1,081,840; Dec. 16; Gaz. vol. 197; p. 725.
- Koehler, Charles, Passaic, N. J. Fabric-frame for embroidery-machines. No. 1,072,623; Sept. 9; Gaz. vol. 194; p. 354.
- Koehler, Ernest F., Hudson, assignor, by mesne assignments, to E. H. Kingsbury, agent, Marlboro, Mass. Machine for making ignition-strips. No. 1,069,706; Aug. 12; Gaz. vol. 193; p. 241.
- Koehler, Frank G., St. Louis, Mo. Self-lubricating wheel. No. 1,074,876; Oct. 7; Gaz. vol. 195; p. 97.
- Koehler, Herman J. (See Edland, Joseph L., assignor.)
- Koehler, Max, et al., trustees. (See Dobyne, George A., assignor.)
- Koehler, Theodore E., Mount Angel, Oreg. Fruit-evaporator. No. 1,075,981; Oct. 14; Gaz. vol. 195; p. 506.
- Koehler, William E., Cleveland, Ohio. Combined lock-nut and fish-plate. No. 1,067,874; July 22; Gaz. vol. 192; p. 777.
- Koehler, William H., New York, N. Y., assignor, by mesne assignments, to The Lamson Company, Newark, N. J. Pneumatic carrier. No. 1,072,126; Sept. 2; Gaz. vol. 194; p. 156.
- Koehn, Frank T. (See Moritz, Koelsch, and Koehn.)
- Koehn, Frank T., Tampa, Kans. Supporting attachment for motor-cycles. No. 1,052,348; Feb. 4; Gaz. vol. 187; p. 171.
- Koehring Machine Company. (See Koehring, Philip A., assignor.) (Reissue.)
- Koehring, Philip A., Milwaukee, Wis. Concrete-distributor. No. 1,063,268; June 3; Gaz. vol. 191; p. 34.
- Koehring, Philip A., assignor to Koehring Machine Company, Milwaukee, Wis. Concrete-distributor. (Reissue.) No. 13,617; Sept. 16; Gaz. vol. 194; p. 729.
- Koelkebeck, Carl W. A., Cleveland, Ohio. Steel-foundry plant. No. 1,075,656; Oct. 14; Gaz. vol. 195; p. 396.
- Koella, Ernest, Knoxville, Tenn. Sewing-machine. No. 1,068,434; July 29; Gaz. vol. 192; p. 1007.
- Koelsch, Joseph J. (See Moritz, Koelsch, and Koehn.)
- Koener, Michel, Chicago, Ill. Storage-battery plate. No. 1,071,322; Aug. 26; Gaz. vol. 193; p. 864.
- Koenig, Adolph J., et al. (See Salget, David, assignor.)
- Koenig, Charles H., New York, N. Y. Glider. No. 1,067,039; July 8; Gaz. vol. 192; p. 421.
- Koenig, Harry A., Philadelphia, Pa. Gas-heated sad-iron. No. 1,070,677; Oct. 28; Gaz. vol. 195; p. 830.
- Koenig, Joseph, Two Rivers, Wis. Flask for liquids. No. 1,062,716; May 27; Gaz. vol. 190; p. 847.
- Koenig, Mathew, New York, N. Y. Portable battery-support. No. 1,068,250; July 22; Gaz. vol. 192; p. 905.
- Koerner, Charles A., Louisville, Ky. Support for concrete reinforcements. No. 1,055,052; Mar. 4; Gaz. vol. 188; p. 136.
- Koerner, Charles H. W., San Rafael, Cal. Sanitary tip-protected cigar. No. 1,055,640; Mar. 11; Gaz. vol. 188; p. 366.
- Koerner, Ewald, Dresden, Germany. Treating the tipping material of cigarette-tubes. No. 1,061,757; May 13; Gaz. vol. 190; p. 446.
- Koerner, Ewald, Dresden, Germany. Sheet-feeding device. No. 1,071,928; Sept. 2; Gaz. vol. 194; p. 90.
- Koerner, Ewald, Dresden, Germany. Sheet-feeding device. No. 1,072,397; Sept. 2; Gaz. vol. 194; p. 247.
- Koerner, John W., Syracuse, N. Y., assignor to Sargent & Company, New Haven, Conn. Spring-hinge. No. 1,065,145; June 17; Gaz. vol. 191; p. 738.
- Koerting, Ernst, Jr., and O. Thraenhart, Linden, near Hanover, assigns to Gebr. Koerting Aktiengesellschaft, Körtingsdorf, near Hanover, Germany. Stuffing-box. No. 1,056,282; Mar. 18; Gaz. vol. 188; p. 618.
- Koerver, Josef, Crefeld, Germany. Apparatus for raising and forcing liquids. No. 1,049,494; Jan. 7; Gaz. vol. 186; p. 59.
- Koetschet, Joseph, and J. C. A. Meyer, Lyon, France; said Koetschet assignor, by mesne assignments, to said Meyer. Manufacture of sulfid of zinc. No. 1,063,356; June 3; Gaz. vol. 191; p. 63.
- Kogut, Frank, Passaic, N. J. Nut-cracking device. No. 1,052,926; Feb. 11; Gaz. vol. 187; p. 403.
- Kohan, Eliasar, Port Ewen, N. Y. Smoke-preventing device and economizer for locomotives. No. 1,053,044; Feb. 11; Gaz. vol. 187; p. 442.
- Kohl, Franz, assignor to Firm of J. Schilgen, Emsdetten, Germany. Spinning and twisting machine. No. 1,051,504; Jan. 28; Gaz. vol. 186; p. 848.
- Kohlberger, Charles F., New York, N. Y. Pin-tumbler mechanism. No. 1,060,769; May 6; Gaz. vol. 190; p. 70.
- Kohler, Emil N. (See Kohler, Peter S., P. H., O. P., and E. N.)
- Kohler, Ernest. (See Bleiker, John, assignor.)
- Kohler, Ernest, assignor of one-half to J. Allemann, Alameda, Cal. Amusement device. No. 1,058,444; Apr. 8; Gaz. vol. 189; p. 406.
- Kohler, Frank H., Tacoma, Wash. Parallelogram for drafting. No. 1,057,852; Apr. 1; Gaz. vol. 189; p. 157.
- Kohler, G. A. Edward. (See Dresser and Fankboner, assignors.)
- Kohler, George B. (See Adams and Kohler.)
- Kohler, George B., assignor to The J. G. Brill Company, Philadelphia, Pa. Fare-box. No. 1,058,602; Apr. 8; Gaz. vol. 189; p. 458.
- Kohler, George B., assignor to The J. G. Brill Company, Philadelphia, Pa. Fare-box. No. 1,065,146; June 17; Gaz. vol. 191; p. 738.
- Kohler, George B., assignor to The J. G. Brill Company, Philadelphia, Pa. Fare-box. No. 1,068,782; July 29; Gaz. vol. 192; p. 1127.
- Kohler, George B., assignor to The J. G. Brill Company, Philadelphia, Pa. Fare-box. No. 1,068,783; July 29; Gaz. vol. 192; p. 1128.
- Kohler, George B., assignor to The J. G. Brill Company, Philadelphia, Pa. Fare-box. No. 1,068,784; July 29; Gaz. vol. 192; p. 1128.
- Kohler, George B., assignor to The J. G. Brill Company, Philadelphia, Pa. Fare-box. No. 1,068,785; July 29; Gaz. vol. 192; p. 1128.
- Kohler, George B., assignor to The J. G. Brill Company, Philadelphia, Pa. Fare-box. No. 1,076,584; Oct. 21; Gaz. vol. 195; p. 744.
- Kohler, George M., Syracuse, N. Y. Water-tube steam-boiler. No. 1,082,597; Dec. 30; Gaz. vol. 197; p. 1044.
- Köhler, Hugo. (See Merling and Köhler.)
- Kohler, John J., assignor to William H. Horstmann Company, Philadelphia, Pa. Uniform-cap. No. 1,080,353; Dec. 2; Gaz. vol. 197; p. 154.
- Kohler, Joseph, assignor of one-half to K. Collins, Chicago, Ill. Resilient wheel. No. 1,056,554; Mar. 18; Gaz. vol. 188; p. 712.
- Kohler, Otto P. (See Kohler, Peter S., P. H., O. P., and E. N.)
- Kohler, Paul H. (See Kohler, Peter S., P. H., O. P., and E. N.)
- Kohler, Peter S., P. H., O. P., and E. N., St. Marys, Ohio. Can-cap placer. No. 1,054,215; Feb. 25; Gaz. vol. 187; p. 924.
- Kohler, Ulrich, assignor to Hasler A. G. vormalis Telegraphen Werkstätte von G. Hasler, Berne, Switzerland. Tachometer. No. 1,057,064; Mar. 25; Gaz. vol. 188; p. 917.
- Kohler, William L., Carson, Va. Attachment for farm-wagons. No. 1,079,248; Nov. 18; Gaz. vol. 196; p. 755.
- Kohlert, George. (See Simon, John, assignor.)
- Kohlhaas, Jakob. (See Wagner and Kohlhaas.)
- Kohlisdorf, Max, Brooklyn, N. Y. Knitting-machine. No. 1,075,262; Oct. 7; Gaz. vol. 195; p. 234.
- Kohn, Joseph, Philadelphia, Pa. Artificial tooth. No. 1,052,832; Feb. 11; Gaz. vol. 187; p. 370.
- Kohn, Joseph, Philadelphia, Pa. Placing anchors in artificial teeth. No. 1,056,427; Mar. 18; Gaz. vol. 188; p. 667.
- Kohn, Julius, Vienna, Austria-Hungary. Chair. No. 1,054,125; Feb. 25; Gaz. vol. 187; p. 892.
- Kohn, Milton M., New York, N. Y. Electric heater. No. 1,057,745; Apr. 1; Gaz. vol. 189; p. 119.
- Kohn, Monroe, Chicago, Ill. Tag and guard therefor. No. 1,078,733; Nov. 18; Gaz. vol. 196; p. 578.
- Kohn, Samuel, Pittsfield, Mass. Folding bed. No. 1,064,229; June 10; Gaz. vol. 191; p. 398.
- Kohn, Sigmund F., assignor of one-half to J. Fajans, New York, N. Y. Soap-dispensing receptacle. No. 1,059,169; Apr. 15; Gaz. vol. 189; p. 692.
- Kohn, Victor, assignor to McKinnis Switch Lock Company, Duluth, Minn. Switch-point lock. No. 1,053,515; Feb. 18; Gaz. vol. 187; p. 649.
- Kohnke, Benjamin. (See Kohnke, David, B., and L.)
- Kohnke, David, B., and L., Detroit, Mich.; said B. Kohnke assignor to said D. Kohnke and L. Kohnke. Aeroplane. No. 1,052,003; Feb. 4; Gaz. vol. 187; p. 54.
- Kohnke, Louis. (See Kohnke, David, B., and L.)
- Kohnle, Frederick, Dayton, Ohio, assignor, by mesne assignments, to H. H. Prugh and T. Meuche, trustees. Stapling mechanism for pin-ticketing machines. No. 1,052,153; Feb. 4; Gaz. vol. 187; p. 107.
- Kohnle, Frederick, Dayton, Ohio, assignor to H. H. Prugh and T. Meuche, trustees. Type-chase. No. 1,062,283; May 20; Gaz. vol. 190; p. 662.
- Kohrs, Emil. (See Klement, Kohrs, and Leichtenschlag.)
- Koike, Kihei, Seattle, Wash. Projecting apparatus. No. 1,072,861; Sept. 9; Gaz. vol. 194; p. 438.
- Kokernot, Alexander B., New Orleans, La. Hat-pin. No. 1,066,288; July 1; Gaz. vol. 192; p. 137.
- Kokernot, Alexander B., New Orleans, La. Hat-pin. No. 1,070,264; Aug. 12; Gaz. vol. 193; p. 433.
- Kokernot, Alexander B., New Orleans, La. Hat-pin. No. 1,070,265; Aug. 12; Gaz. vol. 193; p. 433.
- Kokomo Belt Co. (See Jones, George D., assignor.)
- Kokomo Nail and Brad Company. (See Weigel, Albert P., assignor.)
- Kolakowski, Victor, New Haven, Conn. Auxiliary horse-shoe. No. 1,077,610; Nov. 4; Gaz. vol. 196; p. 127.

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- Kolasa, Frank M., Elmira, Mich. Dinner-bucket. No. 1,065,813; June 24; Gaz. vol. 191; p. 1002.
- Kolb, Emanuel G. (See Dutton, Frank Q., assignor.)
- Kolb, Henry M., Philadelphia, Pa. Semi-automatic magazine-pistol. No. 1,070,040; Aug. 12; Gaz. vol. 193; p. 357.
- Kolb, Otto, *et al.* (See Gundersen, Gilbert S., assignor.)
- Kolby, James A., L. P. Larsen, and C. P. Neilsen, Ephraim, Utah. Automobile-wheel. No. 1,081,237; Dec. 9; Gaz. vol. 197; p. 483.
- Kollar, Walter B., Lansing, Mich. Safety device for fluid-actuated pistons. No. 1,081,049; Dec. 9; Gaz. vol. 197; p. 421.
- Kollenberg, Frederick G., assignor of one-half to W. E. Danhauer, Owensboro, Ky. Bottle-cap. No. 1,070,701; Aug. 19; Gaz. vol. 193; p. 625.
- Koller, Elizabeth, near Bloomville, Ohio. Shade for sewing-machines. No. 1,074,273; Sept. 30; Gaz. vol. 194; p. 1014.
- Koller, Gustav, Forest Gate, England. Cellulose composition. No. 1,079,773; Nov. 25; Gaz. vol. 196; p. 963.
- Koller, John A., Manhattan, Kans. Bundling-machine. No. 1,079,864; Nov. 25; Gaz. vol. 196; p. 999.
- Koloman, Frank J., trustee. (See Birrell, William and J., assignors.)
- Kolomyjski, Stanislas, Alexandrovsk, Russia. Valve-gear for reciprocating steam and other engines. No. 1,066,289; July 1; Gaz. vol. 192; p. 138.
- Kolosa, Albert G., Newberry, Mich. Envelop. No. 1,072,741; Sept. 9; Gaz. vol. 194; p. 395.
- Kolson, Frank J., McKeesport, Pa. Combined scraper and smoother. No. 1,061,085; May 6; Gaz. vol. 190; p. 180.
- Komancsek, Joseph. (See Dusha, Feyk, and Komancsek.)
- Komancsek, Joseph, New York, N. Y. Tool for removing or inserting piston packing-rings or the like. No. 1,079,564; Nov. 25; Gaz. vol. 196; p. 893.
- Komarek, Gustav, assignor to C. L. Gilbert, St. Louis, Mo. Car-truck side frame. No. 1,050,955; Jan. 21; Gaz. vol. 186; p. 628.
- Komarek, Gustav, assignor to C. L. Gilbert, St. Louis, Mo. Truck side frame. No. 1,068,668; July 29; Gaz. vol. 192; p. 1087.
- Komarek, Gustav, assignor to C. L. Gilbert, St. Louis, Mo. Truck side frame. No. 1,068,669; July 29; Gaz. vol. 192; p. 1088.
- Komarek, Gustav, assignor to C. L. Gilbert, St. Louis, Mo. Truck side frame. No. 1,068,670; July 29; Gaz. vol. 192; p. 1088.
- Komarek, Gustav, and G. R. Schleier, St. Louis, Mo. Railway-rail guard and gage. No. 1,058,762; Apr. 15; Gaz. vol. 189; p. 551.
- Komiósy, George, Yonkers, N. Y. Non-refillable bottle. No. 1,064,491; June 10; Gaz. vol. 191; p. 488.
- Komow, Nicolas, *et al.* (See Perlman, David, assignor.)
- Komura, Mitsuziro, San Francisco, Cal. Collar. No. 1,059,170; Apr. 15; Gaz. vol. 189; p. 693.
- Kone, George W., assignor of one-fourth to W. M. Ohlweiler, Rock Island, Ill. Meat-slicing machine. No. 1,065,052; June 17; Gaz. vol. 191; p. 707.
- Koniakowsky, Louis F., Ellinger, Tex. Store furniture. No. 1,062,543; May 20; Gaz. vol. 190; p. 746.
- Konieczny, Josef. (See Kopinski, Tomasz, assignor.)
- König, Albert, assignor to Firm of C. Zeiss, Jena, Germany. Stereoscopic telemeter. No. 1,062,166; May 20; Gaz. vol. 190; p. 623.
- König, Erich, Grosshesslohe, near Munich, assignor to Kuchler Gesellschaft für Hygienische Milchversorgung m. b. H., Munich, Bavaria, Germany. Milk-can. No. 1,051,121; Jan. 21; Gaz. vol. 186; p. 686.
- König, Herman, Braddock, Pa. Garment-stay. No. 1,056,692; Mar. 18; Gaz. vol. 188; p. 759.
- König, Reinhold, Lüttringhausen, Germany. Reed for looms for weaving. No. 1,055,543; Mar. 11; Gaz. vol. 188; p. 334.
- Konigsberg, Joseph. (See Forsheim and Konigsberg.)
- Konno, Takeshi, Pasadena, Cal. Buckle. No. 1,065,451; June 24; Gaz. vol. 191; p. 880.
- Kooi, John R. and P., Chicago, Ill. Clothes-line fastener. No. 1,074,124; Sept. 30; Gaz. vol. 194; p. 965.
- Kooi, Peter. (See Kooi, John R. and P.)
- Kooker, John W., and J. H. Reedy, Hamilton, Ohio. Paper-making machine. No. 1,059,472; Apr. 22; Gaz. vol. 189; p. 834.
- Koolman, Jacobus ten D., and W. Ponnendorf, Cassel, Germany. Hop-extracting apparatus. No. 1,055,475; Mar. 11; Gaz. vol. 188; p. 313.
- Koons, Clarence E., Westerville, Ohio. Snap-hook. No. 1,062,653; May 27; Gaz. vol. 190; p. 827.
- Koons, Philip R., *et al.* (See Bunn, Joseph D., assignor.)
- Koons, Samuel A., Mount Vernon, Ill. Ironing-board. No. 1,067,350; July 15; Gaz. vol. 192; p. 566.
- Koontz, Victor R., Waynesboro, Pa. Cutter-head. No. 1,072,127; Sept. 2; Gaz. vol. 194; p. 156.
- Koontz, Victor R., Waynesboro, Pa. Tool-holder. No. 1,080,565; Dec. 9; Gaz. vol. 197; p. 257.
- Koop, William E., *et al.* (See Geiger, Charles E., assignor.)
- Kopecky, John, Angus, Minn. Drop-siding clamp. No. 1,049,872; Jan. 7; Gaz. vol. 186; p. 189.
- Kopetschni, Eduard, Mannheim, Germany. L. Karczag, Szolnok, Austria-Hungary, and O. Fodor, Berlin, Germany; said Fodor assignor to P. Karczag, Szolnok, Austria-Hungary. Anhydrid of salicylic acid and preparing the same. No. 1,075,581; Oct. 14; Gaz. vol. 195; p. 370.
- Kopietz, Joseph H. (See McCoy, Walter J., assignor.)
- Kopinski, Tomasz, assignor of one-third to J. Konieczny, Rochester, N. Y. Harrow. No. 1,058,067; Apr. 1; Gaz. vol. 189; p. 274.
- Kopke, Ernst W., Honolulu, Hawaii. Instrument for comparing the turbidity of liquids. No. 1,049,873; Jan. 7; Gaz. vol. 186; p. 189.
- Köppen, Lothar von, Hanover, Germany. Ship's hull. No. 1,060,985; May 6; Gaz. vol. 190; p. 148.
- Kopper, Heinrich, Mülheim-on-the-Ruhr, Germany. Regulating and reversing apparatus for regenerative gas-furnaces. No. 1,065,690; June 24; Gaz. vol. 191; p. 962.
- Koppers, Heinrich, Essen-on-the-Ruhr, Germany. Coke-oven. No. 1,051,372; Jan. 21; Gaz. vol. 186; p. 769.
- Koppers, Heinrich, Essen-on-the-Ruhr, Germany. Conveying warm liquids. No. 1,060,102; Apr. 29; Gaz. vol. 189; p. 1083.
- Koppers, Heinrich, Essen-on-the-Ruhr, Germany. Producing sulfate of ammonia from ammoniacal gases or vapors. No. 1,073,247; Sept. 16; Gaz. vol. 194; p. 612.
- Koppers, Heinrich, Essen, Germany, assignor to H. Koppers Company, Chicago, Ill. Closing means for ovens. No. 1,080,916; Dec. 9; Gaz. vol. 197; p. 379.
- Koppes, William M. (See Whiting and Koppes.)
- Kopple, Morris D., New York, N. Y. Nut-lock. No. 1,060,687; May 6; Gaz. vol. 190; p. 42.
- Kopplin, Frank, Chicago, Ill. Wheel-hub flange. No. 1,080,011; Dec. 2; Gaz. vol. 197; p. 32.
- Kopriva, Alois F., Stony Brook, N. Y. Ax. No. 1,057,966; Apr. 1; Gaz. vol. 189; p. 195.
- Kops Bros. (See Kops, Samuel, assignor.)
- Kops Bros. (See Kops, Waldemar, assignor.)
- Kops, Daniel, New York, N. Y. Apparel-corset. No. 1,058,183; Apr. 8; Gaz. vol. 189; p. 316.
- Kops, Daniel, New York, N. Y. Apparel-corset. No. 1,062,977; May 27; Gaz. vol. 190; p. 932.
- Kops, Daniel, New York, N. Y. Apparel-corset. No. 1,072,128; Sept. 2; Gaz. vol. 194; p. 157.
- Kops, Daniel, New York, N. Y. Apparel-corset. No. 1,072,862; Sept. 9; Gaz. vol. 194; p. 439.
- Kops, Daniel, New York, N. Y. Apparel-corset. No. 1,078,356; Nov. 11; Gaz. vol. 196; p. 417.
- Kops, Daniel, New York, N. Y. Apparel-corset. No. 1,082,273; Dec. 23; Gaz. vol. 197; p. 901.
- Kops, Samuel, assignor to Kops Bros., New York, N. Y. Elastic webbing. No. 1,075,831; Oct. 14; Gaz. vol. 195; p. 454.
- Kops, Waldemar, assignor to Kops Bros., New York, N. Y. Elastic fabric. No. 1,070,041; Aug. 12; Gaz. vol. 193; p. 357.
- Kops, Waldemar, assignor to Kops Bros., New York, N. Y. Elastic fabric. No. 1,080,284; Dec. 2; Gaz. vol. 197; p. 128.
- Kops, Waldemar, assignor to Kops Bros., New York, N. Y. Elastic webbing. No. 1,081,675; Dec. 16; Gaz. vol. 197; p. 666.
- Kops, Waldemar, assignor to Kops Bros., New York, N. Y. Elastic fabric. No. 1,081,676; Dec. 16; Gaz. vol. 197; p. 666.
- Korb, Charles C. (See Brothers, William M., assignor.)
- Korb, Leo A., Richwood, W. Va., assignor of one-half to B. Sicking, Cincinnati, Ohio. Gas-supply-controlling means. No. 1,079,416; Nov. 25; Gaz. vol. 196; p. 842.
- Kordick, Frank, assignor to Regal Musical Instrument Co., Chicago, Ill. Mandolin. No. 1,063,203; June 3; Gaz. vol. 191; p. 12.
- Koren, Jerome H. (See Barr and Koren.)
- Kormendy, Bela, Cleveland, assignor to T. Kundtz, Lakewood, Ohio. Seat. No. 1,050,550; Jan. 14; Gaz. vol. 186; p. 456.
- Kornbau, Kennard J., New York, N. Y. Shade-holder. No. 1,061,186; May 6; Gaz. vol. 190; p. 214.
- Kornblüh, Ignatius, New York, N. Y. Wrapper for anti-septic cotton and the like. No. 1,068,435; July 29; Gaz. vol. 192; p. 1007.
- Korndörfer, Georg, and B. Reuter, assignors to Farbwerke vorm. Meister Lucius & Brüning, Höchst-on-the-Main, Germany. Derivatives of diaminodioxarsenobenzene and making same. No. 1,053,300; Feb. 18; Gaz. vol. 187; p. 574.
- Korneff, Paul V., and O. E. Hiitt, Lewiston, Me. Mold. No. 1,050,145; Jan. 14; Gaz. vol. 186; p. 314.
- Körner, Rudolf, Niederlössnitz, near Dresden, Germany. Apparatus for decanting or settling liquids. No. 1,073,146; Sept. 16; Gaz. vol. 194; p. 576.
- Korner, Vane B. (See Keever, Bundy M., assignor.)
- Korns, Clarence C., Johnstown, Pa. Hanger-bracket. No. 1,076,211; Oct. 21; Gaz. vol. 195; p. 612.
- Koroly, Steve, Smithdale, Pa. Miner's lamp. No. 1,065,147; June 17; Gaz. vol. 191; p. 730.

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- Korper, Simon, assignor to H. H. Zellner, New York, N. Y. Safety corn-parer. (Reissue.) No. 13,544; Mar. 11; Gaz. vol. 188; p. 488.
- Korrodi, Heinrich, Berne-Kirchfeld, Switzerland, assignor to Fried. Krupp Aktiengesellschaft, Essen-on-the-Ruhr, Germany. Gun-sighting device. No. 1,055,920; Mar. 11; Gaz. vol. 188; p. 460.
- Korte, Christian, assignor of one-third to S. Denison and one-third to G. H. Denison, Leeds, England. Revolution-counter. No. 1,077,611; Nov. 4; Gaz. vol. 196; p. 127.
- Korte, George W., *et al.* (See Ulrich, Melchior C., assignor.)
- Korter, Louis J., Port Townsend, Wash. Game-carrier. No. 1,064,917; June 17; Gaz. vol. 191; p. 663.
- Kortick, John C., San Francisco, Cal. Tool for attaching aerial cable-hangers to their supporting-wires. No. 1,072,742; Sept. 9; Gaz. vol. 194; p. 395.
- Korytynski, Konrad von, Vienna, Austria-Hungary. Sewing-machine. No. 1,081,841; Dec. 16; Gaz. vol. 197; p. 725.
- Kosch, Rudolph A., Elizabeth, N. J., assignor to The Singer Manufacturing Company. Ruffling and stitching machine. No. 1,052,004; Feb. 4; Gaz. vol. 187; p. 55.
- Kosminski, Charles M., Marylebone, London, England. Beating apparatus for carpets, furs, and the like. No. 1,075,042; Oct. 7; Gaz. vol. 195; p. 156.
- Koss, Morduch, assignor to Chemische Fabrik Germania, Gesellschaft mit beschränkter Haftung, Oranienburg, near Berlin, Germany. Obtaining thorium. No. 1,069,959; Aug. 12; Gaz. vol. 193; p. 328.
- Koss, Richard, Münster, Westphalia, assignor to Siemens-Schuckert Werke G. m. b. H., Berlin, Germany. Towing device for ships. No. 1,075,111; Oct. 7; Gaz. vol. 195; p. 179.
- Köster, Ernst W., Frankfurt-on-the-Main, Germany. Compressor. No. 1,062,405; May 20; Gaz. vol. 190; p. 702.
- Koster, Hans J. H. (See Critzer and Koster.)
- Köster, Johann T., Klagenfurt, Austria-Hungary. Rolling gate for sluices. No. 1,073,424; Sept. 16; Gaz. vol. 194; p. 674.
- Koster, William J., assignor of one-half to R. C. Braund, Peterboro, Ontario, Canada. Electric paper-perforator. No. 1,053,301; Feb. 18; Gaz. vol. 187; p. 574.
- Köszei, Karl, Baja, Austria-Hungary. Elastic wheel. No. 1,073,498; Sept. 16; Gaz. vol. 194; p. 699.
- Kothe, Edward G., Parkersburg, Iowa. Tobacco-pipe. No. 1,052,349; Feb. 4; Gaz. vol. 187; p. 172.
- Kotkovsky, Benjamin, New York, assignor to J. Dubl, Brooklyn, N. Y. Lock. No. 1,071,323; Aug. 26; Gaz. vol. 193; p. 865.
- Kott, Arthur O., Johnson City, Tex. Funnel. No. 1,062,167; May 20; Gaz. vol. 190; p. 623.
- Kottkay, Rudolph A., Detroit, Mich. Adjustable shade-roller and curtain-pole bracket. No. 1,070,042; Aug. 12; Gaz. vol. 193; p. 357.
- Kottusch, Emil W., assignor to The Miller, Du Brul & Peters Manufacturing Company, Cincinnati, Ohio. Cleaning or polishing machine. No. 1,061,481; May 13; Gaz. vol. 190; p. 350.
- Kottusch, Emil W., assignor to The Miller, Du Brul & Peters Mfg. Co., Cincinnati, Ohio. Cleaning and polishing machine. No. 1,061,482; May 13; Gaz. vol. 190; p. 351.
- Kouba, Anton V., Verdigre, Nebr. Banker's note-case. No. 1,073,248; Sept. 16; Gaz. vol. 194; p. 612.
- Koughan, John J. K., South Berkeley, assignor of one-sixth to F. G. Baum, Berkeley, one-sixth to D. H. Duncanson, and one-sixth to E. L. Brune, San Francisco, Cal. Connecting device. No. 1,055,641; Mar. 11; Gaz. vol. 188; p. 367.
- Koup, Frank, Syracuse, N. Y. Automatic fire-alarm. No. 1,049,586; Jan. 7; Gaz. vol. 186; p. 93.
- Koutkine, Iwane, St. Petersburg, Russia. Sparking plug. No. 1,070,266; Aug. 12; Gaz. vol. 193; p. 434.
- Kouroumian, Haroutian K., St. Louis, Mo. Press. No. 1,055,544; Mar. 11; Gaz. vol. 188; p. 335.
- Kovac, Michael, Passaic, N. J. Non-refillable bottle. No. 1,063,698; June 3; Gaz. vol. 191; p. 185.
- Kovács, Áron, New York, N. Y. Door-hanger. No. 1,070,488; Aug. 19; Gaz. vol. 193; p. 553.
- Kovacs, Frank, Bedford, Ohio. Combined coop and trap. No. 1,064,347; June 10; Gaz. vol. 191; p. 437.
- Kovacs, Joseph, Kulpmont, Pa. Car-coupling. No. 1,073,352; Sept. 16; Gaz. vol. 194; p. 650.
- Kovacs, Louis, Chicago, Ill. Safety-fuse. No. 1,049,370; Jan. 7; Gaz. vol. 186; p. 18.
- Kovacs, Louis, Chicago, Ill. Cut-out switch. No. 1,049,371; Jan. 7; Gaz. vol. 186; p. 18.
- Kovsky, Philip. (See Tucker, Harry, assignor.)
- Kovsky, Philip, and J. F. Hicks, Philadelphia, Pa. Automobile-lock. No. 1,071,756; Sept. 2; Gaz. vol. 194; p. 30.
- Kowalsky, Andrew, Chicago, Ill. Measuring instrument. No. 1,080,222; Dec. 2; Gaz. vol. 197; p. 106.
- Kowastch, Ambrose, Berlin, Germany. Blasting apparatus. No. 1,049,735; Jan. 7; Gaz. vol. 186; p. 142.
- Koyen, Jesse A., Washington Harbor, Wis. Neck-yoke. No. 1,073,766; Sept. 23; Gaz. vol. 194; p. 817.
- Kracker, George, Philadelphia, Pa. Muffler attachment for telephones. No. 1,064,992; June 10; Gaz. vol. 191; p. 488.
- Kraemer, Augustus F., assignor to B. A. Ballou and Company, Inc., Providence, R. I. Pin-stem. No. 1,066,922; July 8; Gaz. vol. 192; p. 384.
- Kraemer, Frank, Chicago, Ill., assignor, by mesne assignments, to M. Harris, Pittsburgh, Pa. Electric work-circuit-regulating monitor. No. 1,062,978; May 27; Gaz. vol. 190; p. 933.
- Krauter, Paul, Wilkinsburg, and S. M. Kintner, Pittsburgh, Pa., assignors to Westinghouse Electric and Manufacturing Company. Resister. No. 1,068,907; July 29; Gaz. vol. 192; p. 1173.
- Kraft, Henry P. (See Schweinert and Kraft.)
- Kraft, Henry J., Chicago, Ill. Aeroplane. No. 1,063,204; June 3; Gaz. vol. 191; p. 12.
- Kraft, Henry P. (See Schweinert and Kraft.)
- Kraft, Oscar A. (See Smith and Kraft.)
- Kraft, Paul, Nekeosa, Wis. Cement tie, including a rail-fastener. No. 1,061,187; May 6; Gaz. vol. 190; p. 214.
- Kragerud, Lars, *et al.* (See Morgen, Henry, assignor.)
- Krah, Alexis, assignor to The English and Mersick Co., New Haven, Conn. Lock-joint for wind-shields. No. 1,074,958; Oct. 7; Gaz. vol. 195; p. 125.
- Krahe, Henry, New York, N. Y. Window-sash lock. No. 1,072,960; Sept. 9; Gaz. vol. 194; p. 475.
- Krahulec, John, Braidwood, Ill. Monkey-wrench. No. 1,056,693; Mar. 18; Gaz. vol. 188; p. 759.
- Krain, George, Chicago, Ill. Photograph-printing machine. No. 1,059,473; Apr. 22; Gaz. vol. 189; p. 835.
- Krakau, Harry T., assignor to The National Malleable Castings Company, Cleveland, Ohio. Car-coupling. No. 1,052,419; Feb. 4; Gaz. vol. 187; p. 196.
- Krakau, Harry T., assignor to The National Malleable Castings Company, Cleveland, Ohio. Draft-gear. No. 1,052,668; Feb. 11; Gaz. vol. 187; p. 314.
- Krakau, Harry T., assignor to The National Malleable Castings Company, Cleveland, Ohio. Coupling-brake or draft-rigging. No. 1,063,699; June 3; Gaz. vol. 191; p. 185.
- Krakau, Harry T., assignor to The National Malleable Castings Company, Cleveland, Ohio. Car-coupling. No. 1,078,203; Nov. 11; Gaz. vol. 196; p. 362.
- Krake, Hermann. (See Höhne and Krake.)
- Kral, Vaclav, F. M. Vacha, and V. Cap, Cleveland, Ohio. Mangle. No. 1,059,619; Apr. 22; Gaz. vol. 189; p. 882.
- Krämer, Bernhard, Charlottenburg, Germany, assignor to General Electric Company. Centrifugal governor. No. 1,063,554; June 3; Gaz. vol. 191; p. 130.
- Kramer, Camillo, Albany, N. Y. Shoe-fastener. No. 1,057,382; Mar. 25; Gaz. vol. 188; p. 1023.
- Krämer, Christian, assignor to Firm of Felten & Guillaume-Lahmeyerwerke Aktien Gesellschaft, Frankfurt-on-the-Main, Germany. Electric reversing-gear. No. 1,071,522; Aug. 26; Gaz. vol. 193; p. 930.
- Krämer, Christian, Berlin, Germany, assignor to General Electric Company. Motor-control system. No. 1,077,725; Nov. 4; Gaz. vol. 196; p. 165.
- Kramer, Claude E., Van Buren, Ind. Device for cleaning pipe-threads. No. 1,071,242; Aug. 26; Gaz. vol. 193; p. 838.
- Kramer, Donald S., Columbus, Ohio. Electric type-metal heater for linotype-machines. No. 1,058,184; Apr. 8; Gaz. vol. 189; p. 316.
- Kramer, George, Indianapolis, Ind. Needle and embroidery worker's assistant. No. 1,071,160; Aug. 26; Gaz. vol. 193; p. 810.
- Kramer, Hans v., Birmingham, England. Means for the regulation and control of railway and like traffic. No. 1,056,104; Mar. 18; Gaz. vol. 188; p. 558.
- Kramer, Hans von, and G. Kapp, Birmingham, England. Resonating relay. No. 1,067,823; July 22; Gaz. vol. 192; p. 759.
- Kramer, Joseph A., Mineral Point, Wis. Spring-wheel. No. 1,070,702; Aug. 19; Gaz. vol. 193; p. 625.
- Kramer, Julius, and R. R. Miller, said Miller assignor to A. Karpen, Chicago, Ill. Davenport-divan. No. 1,071,757; Sept. 2; Gaz. vol. 194; p. 30.
- Kramer, Rufus A., Eastbank, W. Va. Thread-cutter. No. 1,049,874; Jan. 7; Gaz. vol. 186; p. 189.
- Kramer, Victor, New Haven, Conn. Fly-trap. No. 1,071,437; Aug. 26; Gaz. vol. 193; p. 903.
- Kramer, William, Brooklyn Hill, N. Y. Spool for fishing-reels. No. 1,056,428; Mar. 18; Gaz. vol. 188; p. 668.
- Kramlich, John M., assignor of one-half to J. V. H. Kulp, Philadelphia, Pa. Automatic controlling device for locomotive-engines. No. 1,055,761; Mar. 11; Gaz. vol. 188; p. 408.
- Kramlich, John M., assignor of one-half to J. V. H. Kulp, Philadelphia, Pa. Stopping device for trains. No. 1,055,762; Mar. 11; Gaz. vol. 188; p. 409.
- Kramm, Gustavus W. (See Payne, Henry C., assignor.)
- Krancher, Edward, New York, N. Y. Game apparatus. No. 1,076,771; Oct. 28; Gaz. vol. 195; p. 862.
- Kranebiel, John V., Williamsville, N. Y. Centrifugal drier. No. 1,080,700; Dec. 9; Gaz. vol. 197; p. 302.

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- Kranz, Carl. (See Beilstein, Wilhelm, assignor.)
- Kränzlein, Georg. (See Schmidt and Kränzlein.)
- Krasberg, Rudolf, Poughkeepsie, N. Y. Furniture-foot. No. 1,066,503; July 8; Gaz. vol. 192; p. 238.
- Kratz, Franz, assignor to Firm of R. Bosch, Stuttgart, Germany. Electric ignition system for internal-combustion engines. No. 1,063,555; June 3; Gaz. vol. 191; p. 130.
- Kratz, Franz, assignor to Firm of R. Bosch, Stuttgart, Germany. Circuit-controlling device for electric ignition systems. No. 1,063,556; June 3; Gaz. vol. 191; p. 131.
- Kratz, Franz, assignor to Firm of R. Bosch, Stuttgart, Germany. Cable-connector. No. 1,070,899; Aug. 19; Gaz. vol. 193; p. 689.
- Kratz, Franz, and R. Wagner, assignors to Firm of R. Bosch, Stuttgart, Germany. Terminal connector for concentric-conductor cables. No. 1,079,130; Nov. 18; Gaz. vol. 196; p. 715.
- Kraus, Charles A., Newton Highlands, Mass. Joint. No. 1,066,290; July 1; Gaz. vol. 192; p. 138.
- Kraus, Charles A., Newton Highlands, Mass. Insulating-joint. No. 1,070,614; Aug. 19; Gaz. vol. 193; p. 595.
- Kraus, Charles A., Newton Highlands, and R. D. Malley, Lynn, Mass. Electrode-lead for vapor electric apparatus. No. 1,066,504; July 8; Gaz. vol. 192; p. 238.
- Kraus, Charles A., Newton Highlands, and R. D. Malley, Lynn, Mass. Anode-shield for vapor electric apparatus. No. 1,066,505; July 8; Gaz. vol. 192; p. 239.
- Kraus, Charles A., Newton Highlands, and R. D. Malley, Lynn, Mass. Electric lead for vapor electric apparatus. No. 1,070,615; Aug. 19; Gaz. vol. 193; p. 596.
- Kraus, Charles A., Newton Highlands, and R. D. Malley, Lynn, Mass. Electrode-lead. No. 1,076,292; Oct. 21; Gaz. vol. 195; p. 640.
- Kraus Engine Company. (See Kraus, Otto, assignor.)
- Kraus, Margaret, St. Louis, Mo. Lamp. No. 1,055,053; Mar. 4; Gaz. vol. 188; p. 136.
- Kraus, Nathan, Indiana Harbor, and C. A. Phelps, Hammond, Ind. Signal-lamp. No. 1,064,230; June 10; Gaz. vol. 191; p. 398.
- Kraus, Otto, assignor to Kraus Engine Company, New York, N. Y. Producing working fluids for motors. No. 1,068,348; July 22; Gaz. vol. 192; p. 939.
- Kraus, Rudolf, Corona, N. Y. Cuspidor. No. 1,052,729; Feb. 11; Gaz. vol. 187; p. 332.
- Krause, Arthur E., Jersey City, N. J. Filtering material. No. 1,056,800; Mar. 25; Gaz. vol. 188; p. 826.
- Krause, Frederick, Jersey City, N. J. Wire-drawing die. No. 1,056,555; Mar. 18; Gaz. vol. 188; p. 713.
- Krause, Frederick, Jersey City, N. J. Method and apparatus for making wire-drawing dies. No. 1,056,694; Mar. 18; Gaz. vol. 188; p. 759.
- Krause, J. Henry. (See Schwartz, Morris, assignor.)
- Krause, Otto, assignor to Deutsche Gasglühlicht A. G. (Auergesellschaft), Berlin, Germany. Arrangement of incandescent filaments in electric metal-filament lamps. No. 1,069,707; Aug. 12; Gaz. vol. 193; p. 242.
- Krause, Robert, Cologne, Germany. Aeroplane. No. 1,063,805; June 3; Gaz. vol. 191; p. 219.
- Krayer, Jacques E., Villanova, Pa. Trimming and pruning machine. No. 1,055,476; Mar. 11; Gaz. vol. 188; p. 313.
- Krayer, Stephen S., St. Louis, Mo. Making soap. No. 1,049,495; Jan. 7; Gaz. vol. 186; p. 59.
- Krayer, Stephen S., St. Louis, Mo. Means for supplying explosive mixture to explosive-engines. No. 1,051,122; Jan. 21; Gaz. vol. 186; p. 686.
- Krayer, Stephen S., St. Louis, Mo. Gas-engine starter. No. 1,055,332; Mar. 11; Gaz. vol. 188; p. 264.
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- Krayn, Robert, Berlin, Germany, assignor to Deutsche Raster-Gesellschaft mit beschränkter Haftung, Berlin-Steglitz, Germany. Producing three-color screens. No. 1,055,189; Mar. 4; Gaz. vol. 188; p. 179.
- Krebs, Ernst T., Carson City, Nev. Shaving-brush. No. 1,065,879; June 24; Gaz. vol. 191; p. 1025.
- Krebs, Philipp, Frankfort-on-the-Main, Germany. Layers of reed. No. 1,074,801; Oct. 7; Gaz. vol. 195; p. 74.
- Krebs, Stephen J., Philadelphia, Pa. Clothes-line support. No. 1,061,851; May 13; Gaz. vol. 190; p. 473.
- Krech, Frederick W., assignor of one-half to M. F. Datzelzweig, Chicago, Ill. Hat-fastening device. No. 1,070,703; Aug. 19; Gaz. vol. 193; p. 626.
- Krech, Frederick W., assignor of one-half to M. F. Datzelzweig, Chicago, Ill. Hat-fastening device. No. 1,070,704; Aug. 19; Gaz. vol. 193; p. 626.
- Kregel, George F., Nebraska City, Nebr. Windmill-pitman. No. 1,058,603; Apr. 8; Gaz. vol. 189; p. 453.
- Kreh, Eugen, Mare Island, Cal. Spring-hub wheel. No. 1,055,283; Mar. 4; Gaz. vol. 188; p. 209.
- Kreidler, Edward, Chicago, Ill. Lamp-holder. No. 1,070,140; Aug. 12; Gaz. vol. 193; p. 391.
- Kreiling, Julius W., Chicago, Ill., assignor to Mergenthaler Linotype Company. Clutch mechanism. No. 1,074,959; Oct. 7; Gaz. vol. 195; p. 125.
- Kreis, Emil J., Mendota, Ill. Resilient wheel. No. 1,055,333; Mar. 11; Gaz. vol. 188; p. 264.
- Kreisman, Solomon M. (See Lasky and Kreisman.)
- Kreiter, Richard F., E. S. Post, A. L. Roco, and M. E. Layne, Houston, Tex.; said Kreiter, Roco, and Post assignors to said Layne. Machine for making water and oil screens. No. 1,079,417; Nov. 25; Gaz. vol. 196; p. 843.
- Kreitlein, George F., and H. L. Roeger, Indianapolis, Ind. Spark-plug demonstrator. No. 1,056,185; Mar. 18; Gaz. vol. 188; p. 585.
- Kreitz, Phillip C., Cleveland, Ohio. Valve for internal-combustion engines. No. 1,052,005; Feb. 4; Gaz. vol. 187; p. 55.
- Krejčí, Milo W. (See Wheeler and Krejčí.)
- Krell Auto-Grand Piano Co. of America, The. (See Wellin, Peter, assignor.)
- Krell, Emil F., Detroit, Mich. Vehicle-wheel. No. 1,052,064; Feb. 4; Gaz. vol. 187; p. 76.
- Krell, Emil F., Detroit, Mich. Furnace-stoker. No. 1,082,126; Dec. 23; Gaz. vol. 197; p. 848.
- Kremer, Franklin W., Rutherford, N. J. Saturating-machine. No. 1,055,404; Mar. 11; Gaz. vol. 188; p. 289.
- Kremer, Franklin W., Rutherford, N. J. Apparatus and method for splicing rubber tubing. No. 1,078,097; Nov. 11; Gaz. vol. 196; p. 326.
- Kremer, Franklin W., Rutherford, N. J. Heavy-car tire. No. 1,082,029; Dec. 23; Gaz. vol. 197; p. 817.
- Kremer, Franklin W., Carlstadt, N. J. Emergency-tire. No. 1,057,746; Apr. 1; Gaz. vol. 189; p. 120.
- Kremer, Franklin W., Carlstadt, N. J. Leather compound. No. 1,065,691; June 24; Gaz. vol. 191; p. 962.
- Kremer, Franklin W., Carlstadt, N. J. Antiskid-tire. No. 1,078,098; Nov. 11; Gaz. vol. 196; p. 326.
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- Krentler-Arnold Hinge Last Company. (See Krentler, Walter A., assignor.)
- Krentler Brothers Company. (See Krentler, Walter A., assignor.)
- Krentler, Walter A., assignor to Krentler-Arnold Hinge Last Company, Detroit, Mich. Last. No. 1,060,462; Apr. 29; Gaz. vol. 189; p. 1211.
- Krentler, Walter A., assignor to Krentler Brothers Company, Detroit, Mich. Last. No. 1,067,742; July 15; Gaz. vol. 192; p. 699.
- Krespach, Martin D., and J. R. Hazeley, Philadelphia, Pa., assignors to Eclipse Wheel Company. Vehicle-wheel. No. 1,076,678; Oct. 28; Gaz. vol. 195; p. 830.
- Kress, Claude W., New York, N. Y. Display-case. No. 1,076,501; Oct. 21; Gaz. vol. 195; p. 714.
- Kress, Jacob A., et al. (See Locke, William P., assignor.)
- Kress, John, New Rochelle, N. Y. Trolley-wheel. No. 1,065,692; June 24; Gaz. vol. 191; p. 962.
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- Kreter, Otto and G. E., San Antonio, Tex. Operating mechanism for flushing devices. No. 1,051,123; Jan. 21; Gaz. vol. 186; p. 687.
- Kreuter, Albert A. (See Dennis and Kreuter.)
- Kreuzkamp, August J., assignor, by mesne assignments, to C. J. Witzel, Brooklyn, N. Y. Side-guard-holding means. No. 1,061,483; May 13; Gaz. vol. 190; p. 351.
- Kreuzkamp, August J., New York, assignor, by mesne assignments, to C. J. Witzel, Brooklyn, N. Y. Side guard for spring-mattresses. No. 1,061,616; May 13; Gaz. vol. 190; p. 399.
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- Krewson, Samuel A., Pensauken, assignor of one-half to The Keighley Company, Inc., Vineland, N. J. Heel-seat beater. No. 1,067,663; July 15; Gaz. vol. 192; p. 672.
- Krichbaum, William F., Newark, N. J., assignor to Foster Engineering Company. Automatic boiler feed-regulator. No. 1,075,043; Oct. 7; Gaz. vol. 195; p. 156.
- Krider, Jesse H., Butler, Pa. Clothes-line reel. No. 1,052,487; Feb. 11; Gaz. vol. 187; p. 252.
- Krieger, Andrew, Columbus, Ohio. Detachable saw-tooth. No. 1,078,734; Nov. 18; Gaz. vol. 196; p. 578.
- Krieger, Arthur H., Los Angeles, Cal. Molded article and making the same. No. 1,076,126; Oct. 21; Gaz. vol. 195; p. 534.
- Krieger, Hugo, and C. F. Dewey, New York, N. Y.; said Dewey assignor to said Krieger. Projecting apparatus. No. 1,075,920; Oct. 14; Gaz. vol. 195; p. 485.
- Krieger, Silas N., and C. A. Fidler, Shamokin, Pa. Miner's lamp. No. 1,061,385; May 13; Gaz. vol. 190; p. 316.
- Kriewitz, Max, and W. F. Ferris, Fairfax, Okla.; said Ferris assignor to said Kriewitz. Car-door lock. No. 1,081,755; Dec. 16; Gaz. vol. 197; p. 693.
- Krikava, Charles, Burchard, Nebr. Automobile-tire. No. 1,076,127; Oct. 21; Gaz. vol. 195; p. 584.

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- Krippene, Herrman, Oshkosh, Wis. Animal-trap. No. 1,070,267; Aug. 12; Gaz. vol. 193; p. 434.
- Krischer, Max, New York, N. Y. Suspender-buckle. No. 1,055,763; Mar. 11; Gaz. vol. 188; p. 409.
- Krist, William, Milwaukee, Wis. Ice-cream-cone filler. No. 1,057,065; Mar. 25; Gaz. vol. 188; p. 918.
- Krivonyak, Andro, Saltsburg, Pa. Draft appliance. No. 1,078,735; Nov. 18; Gaz. vol. 196; p. 578.
- Kriz, William, St. Louis, Mo., Towel, garment, and napkin holding device. No. 1,050,365; Jan. 14; Gaz. vol. 186; p. 390.
- Kroder, John, New York, N. Y. Extension curtain-pole. No. 1,062,478; May 20; Gaz. vol. 190; p. 726.
- Kroder, John, New York, N. Y. Curtain-rod support. No. 1,077,083; Oct. 28; Gaz. vol. 195; p. 972.
- Kroeger, Hermann G., Louisville, Ky. Igniter for explosive-engines. No. 1,058,371; Apr. 8; Gaz. vol. 189; p. 381.
- Kroegher, Wilhelm C., Bellevue, Pa. Tire. No. 1,071,438; Aug. 26; Gaz. vol. 193; p. 903.
- Kroegel, Ernest, Philadelphia, Pa. Rotary engine. No. 1,066,506; July 8; Gaz. vol. 192; p. 239.
- Kröger, Heinrich, assignor to F. Schmidt Dampfkesselfabrik, Zweigniederlassung der Sangerhäuser Aktien-Maschinenfabrik u. Eisengiesserei vormals Hornung & Rabe, Halle-on-the-Saale, Germany. Making armored pipes. No. 1,067,991; July 22; Gaz. vol. 192; p. 815.
- Krogstad, Ole L. (See Lombard and Krogstad.)
- Krohn, John O. E., Chicago, Ill. Package of commodity. No. 1,052,594; Feb. 11; Gaz. vol. 187; p. 288.
- Krohn, Julius J., Arcata, assignor to California Barrel Co., San Francisco, Cal. Stave-jointer. No. 1,054,567; Feb. 25; Gaz. vol. 187; p. 1042.
- Krohn, Nels, assignor to The Adams & Westlake Company, Chicago, Ill. Shade-holder. No. 1,081,756; Dec. 16; Gaz. vol. 197; p. 694.
- Kroll, Francis O., Camden Town, England. Constructing ductile-metal articles for attachment to wooden and other bodies. No. 1,056,695; Mar. 18; Gaz. vol. 188; p. 760.
- Kromann, Niels, Redondo Beach, Cal. Harpoon. No. 1,056,343; Mar. 18; Gaz. vol. 188; p. 637.
- Kromer, Reuben. (See Gesking, Frederick A., assignor.)
- Krompigel, Mathias, and J. Hradisky, Brier Hill, Pa. Detection device for bottles. No. 1,075,657; Oct. 14; Gaz. vol. 195; p. 396.
- Kronak, James, Morse Bluff, Nebr. Device for hanging wall-paper. No. 1,058,185; Apr. 8; Gaz. vol. 189; p. 316.
- Kronenberg, Rudolf, Ohligs, Germany. Apparatus for removing the projecting ridges from pressed metal wheels. No. 1,080,566; Dec. 9; Gaz. vol. 197; p. 257.
- Kronenberg, Rudolf, Ohligs, Germany. Wheel-spoke star. No. 1,082,087; Dec. 23; Gaz. vol. 197; p. 836.
- Kronenberg, Samuel T., assignor of fifty-five one-hundredths to J. C. Wolfram, Pittsburgh, Pa. Vehicle-wheel. No. 1,081,757; Dec. 16; Gaz. vol. 197; p. 694.
- Kronenberger, Ferdinand, Corona, assignor of one-third to R. Stewart and one-sixth to R. G. Barclay, Brooklyn, N. Y. Cash-register. No. 1,056,556; Mar. 18; Gaz. vol. 188; p. 713.
- Kroner, Ernest, Portland, Oreg. Bonded concrete construction. No. 1,066,020; July 1; Gaz. vol. 192; p. 40.
- Kronjaeger, Frank. (See Lehotzky, Lorentz, assignor.)
- Kropat, Edward, Rochester, N. Y. Tool-handle. No. 1,064,493; June 10; Gaz. vol. 191; p. 488.
- Kropp, Walter. (See Hiemenz and Kropp.)
- Kropp, Walter. (See Hörlein and Kropp.)
- Kropp, William, Maple City, Mich. Wood-sawing machine. No. 1,062,544; May 20; Gaz. vol. 190; p. 747.
- Krös, Josef, Strassburg, Germany. Paper-punch. No. 1,082,812; Dec. 30; Gaz. vol. 197; p. 1120.
- Kroscofski, Henry J., Milwaukee, Wis. Rivet-holding device. No. 1,068,671; July 29; Gaz. vol. 192; p. 1088.
- Krouse, Arthur J., Albany, N. Y. Rotary motor. No. 1,079,653; Nov. 25; Gaz. vol. 196; p. 924.
- Kruck, Walter A., Camden, N. J. Roll-shifter for player-pianos. No. 1,055,054; Mar. 4; Gaz. vol. 188; p. 136.
- Krueger, August, Tomahawk, Wis. Gaff-hook. No. 1,049,875; Jan. 7; Gaz. vol. 186; p. 189.
- Krueger, August C., Milwaukee, Wis. Storage-cell. No. 1,069,791; Aug. 12; Gaz. vol. 193; p. 272.
- Krueger, Carl R., Schenectady, N. Y., assignor to General Electric Company. Electrode. No. 1,061,758; May 13; Gaz. vol. 190; p. 446.
- Krueger, Ernst C., and J. W. Mann, Chicago, Ill. Parting-powder. No. 1,049,496; Jan. 7; Gaz. vol. 186; p. 60.
- Krueger, Henry, Spokane, Wash. Window-blind. No. 1,063,042; May 27; Gaz. vol. 190; p. 954.
- Krueger, Hermann E., Berlin-Wilmersdorf, Germany. Wax stencil. No. 1,069,435; Aug. 5; Gaz. vol. 193; p. 122.
- Krueger, William J. (See Bronson, Ralph C., assignor.)
- Krug, Carl, Frankfurt-on-the-Main, Germany. Abrading-disk. No. 1,077,143; Oct. 28; Gaz. vol. 195; p. 989.
- Krug, Carl, Frankfurt-on-the-Main, Germany. Abrading-disk. No. 1,082,202; Dec. 23; Gaz. vol. 197; p. 874.
- Krug, Louis. (See Langsdorff and Krug.)
- Krug, Louis, assignor to Metropolitan Sewing Machine Company, Nyack, N. Y. Feeding mechanism for sewing-machines. No. 1,081,453; Dec. 16; Gaz. vol. 197; p. 595.
- Krüger, Carl A. F., Greifenhagen, Germany. Therapeutic belt. No. 1,050,280; Jan. 14; Gaz. vol. 186; p. 360.
- Kruger, Charles O. (See Matthews, William O. B., assignor.)
- Krüger, Ernst A., Seehausen, assignor of one-half to S. Bloch, Charlottenburg, near Berlin, Germany. Regenerating electric glow-lamps. No. 1,052,065; Feb. 4; Gaz. vol. 187; p. 76.
- Kruger, Harry B. (See Stranders, Julien, assignor.)
- Krüger, Hermann, Berndorf, Austria-Hungary. Making table implements. No. 1,053,406; Feb. 18; Gaz. vol. 187; p. 611.
- Krüger, Julius, Friedenau, near Berlin, Germany. Speed-indicator. No. 1,053,045; Feb. 11; Gaz. vol. 187; p. 442.
- Krugh, Charles F., Dormont, Pa. Gas-burner. No. 1,076,892; Oct. 28; Gaz. vol. 195; p. 907.
- Kruh, Osias O., Schenectady, N. Y., assignor to General Electric Company. Vapor electric apparatus. No. 1,071,060; Aug. 26; Gaz. vol. 193; p. 777.
- Kruh, Osias O., Schenectady, N. Y., assignor to General Electric Company. Protecting mercury-vapor apparatus. No. 1,076,212; Oct. 21; Gaz. vol. 195; p. 612.
- Kruh, Osias O., Schenectady, N. Y., assignor to General Electric Company. Vapor electric lamp. No. 1,079,708; Nov. 25; Gaz. vol. 196; p. 943.
- Kruke, Walter G., Corning, N. Y. Wheel for vehicles. No. 1,067,525; July 15; Gaz. vol. 192; p. 625.
- Krumeich, Anthony J., Newark, N. J. Game apparatus. No. 1,060,846; May 6; Gaz. vol. 190; p. 98.
- Krumming, Reinhold, Milwaukee, Wis. Spring-binder for loose sheets. No. 1,058,871; Apr. 15; Gaz. vol. 189; p. 590.
- Krumming, Reinhold, Milwaukee, Wis. Book holder or support. No. 1,079,418; Nov. 25; Gaz. vol. 196; p. 843.
- Krupicka, Frank, Friend, Nebr. Flood-fence. No. 1,059,881; Apr. 22; Gaz. vol. 189; p. 967.
- Krupitschka, Karl. (See Bondy, Siegfried, assignor.)
- Krupp, Leo A., Findlay, Ohio. Excavating-machine. No. 1,056,105; Mar. 18; Gaz. vol. 188; p. 559.
- Krupp, Leo A., assignor to The Buckeye Traction Ditcher Company, Findlay, Ohio. Excavator. No. 1,081,454; Dec. 16; Gaz. vol. 197; p. 595.
- Krupp, Smith F. (See Nixon and Krupp.)
- Krupp, Smith F., Memphis, Tenn. Cotton cleaner and separator. No. 1,069,708; Aug. 12; Gaz. vol. 193; p. 242.
- Kruse, Johann S., London, England. Artificial stone or like composition. No. 1,078,100; Nov. 11; Gaz. vol. 196; p. 327.
- Kruse, Johann S., Kensington, London, England. Formation of blocks or the like suitable for road or other purposes. No. 1,082,752; Dec. 30; Gaz. vol. 197; p. 1099.
- Kruse, Peter, New York, assignor to E. W. Bliss Company, Brooklyn, N. Y. Can-body-soldering machine. No. 1,050,956; Jan. 21; Gaz. vol. 186; p. 629.
- Kruse, Peter, New York, assignor to E. W. Bliss Company, Brooklyn, N. Y. Automatic mechanism for feeding can-heads. No. 1,058,372; Apr. 8; Gaz. vol. 189; p. 381.
- Kruse, Peter, New York, assignor to E. W. Bliss Company, Brooklyn, N. Y. Device for gripping cans and the like. No. 1,058,373; Apr. 8; Gaz. vol. 189; p. 382.
- Kruse, Peter, New York, assignor to E. W. Bliss Company, Brooklyn, N. Y. Machine for seaming can-tops. No. 1,063,700; June 3; Gaz. vol. 191; p. 185.
- Kruse, Peter, New York, assignor to E. W. Bliss Company, Brooklyn, N. Y. Can-gripping device. No. 1,074,630; Oct. 7; Gaz. vol. 195; p. 15.
- Kruse, Peter, New York, assignor to E. W. Bliss Company, Brooklyn, N. Y. Sheet-metal-working machine. No. 1,081,050; Dec. 9; Gaz. vol. 197; p. 422.
- Kruser, Augustus F., New York, N. Y. Mail-bag-transfer device. No. 1,078,789; Nov. 18; Gaz. vol. 196; p. 598.
- Kruttschnitt, Julius, Chicago, Ill. Railway-rail spike. No. 1,069,792; Aug. 12; Gaz. vol. 193; p. 272.
- Krýthe, Hendrikus B., Goevorden, Netherlands. Driving gas-motors using liquid fuel. No. 1,060,192; Apr. 29; Gaz. vol. 189; p. 1115.
- Kube, Adolf, Walditz, Germany. Treatment of waste flax for obtaining a product adapted to be spun like carded wool yarn. No. 1,051,124; Jan. 21; Gaz. vol. 186; p. 687.
- Kübel, Stephen J., Washington, D. C. Visual signal. No. 1,050,551; Jan. 14; Gaz. vol. 186; p. 456.
- Kübel, Stephen J., Washington, D. C. Signaling. No. 1,062,782; May 27; Gaz. vol. 190; p. 868.
- Kubel, Stephen J., Washington, D. C. Feed-gage for printing-presses. No. 1,077,284; Nov. 4; Gaz. vol. 196; p. 14.
- Kubick, Charles T., Chicago, Ill. Mop-head. No. 1,069,960; Aug. 12; Gaz. vol. 193; p. 328.
- Kubosch, Joseph, Milwaukee, Wis. Pneumatic cleaner. No. 1,056,033; Mar. 18; Gaz. vol. 188; p. 534.

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- Kucher, Charles W., Seattle, Wash. Brake-shoe. No. 1,051,125; Jan. 21; Gaz. vol. 186; p. 687.
- Kuchler Gesellschaft für Hygienische Milchversorgung m. b. H. (See König, Erich, assignor.)
- Kucki, Louis J., Chicago, Ill. Cleaning apparatus. No. 1,069,148; Aug. 5; Gaz. vol. 193; p. 20.
- Kuczynski, Thomas B., Milwaukee, Wis. Garment-hanger. No. 1,059,306; Apr. 15; Gaz. vol. 189; p. 740.
- Kuczynski, Thomas B., Milwaukee, Wis. Holder. No. 1,069,961; Aug. 12; Gaz. vol. 193; p. 329.
- Kudla, Anton C., Meriden, Conn. Trolley stand and pole. No. 1,072,014; Sept. 2; Gaz. vol. 194; p. 119.
- Kudrik, John, *et al.* (See Jensen, Peter, assignor.)
- Kuegel, Anthony, Jersey City, N. J. Varnish. No. 1,080,461; Dec. 2; Gaz. vol. 197; p. 191.
- Kuehl, August J., Watervliet, Mich. Spraying device. No. 1,063,806; June 3; Gaz. vol. 191; p. 219.
- Kuehn, Alfred, Chicago, Ill. Traction-wheel mounting. No. 1,063,978; June 10; Gaz. vol. 191; p. 310.
- Kuehn, Otto H., Deer Park, and G. B. Prell, Cincinnati, Ohio. Adjustable measuring-garment. No. 1,054,426; Feb. 25; Gaz. vol. 187; p. 997.
- Kuehner, Charles P., Providence, R. I., assignor, by mesne assignments, to Hadley Jewelry Company. Bracelet. No. 1,053,046; Feb. 11; Gaz. vol. 187; p. 442.
- Kuekes, Otto, Pittsburgh, Pa. Detachable handle. No. 1,066,923; July 8; Gaz. vol. 192; p. 384.
- Kuentzel, Curt, assignor to The Goodyear Tire and Rubber Company, Akron, Ohio. Wrapping and unwrapping machine. No. 1,079,601; Nov. 25; Gaz. vol. 196; p. 908.
- Kuenzel, Charles A., Buena Vista, Colo., assignor to The Kuenzel Gas Producer & Smelter Construction Co. Smelting-furnace. No. 1,067,481; July 15; Gaz. vol. 192; p. 610.
- Kuenzel, Charles A., Buena Vista, Colo., assignor to The Kuenzel Gas Producer & Smelter Construction Co. Steamship-furnace. No. 1,076,893; Oct. 28; Gaz. vol. 195; p. 907.
- Kuenzel Gas Producer & Smelter Construction Co., The. (See Kuenzel, Charles A., assignor.)
- Kügelgen, Franz von, Holcombs Rock, Va., and G. O. Seward, East Orange, N. J., assignors to Virginia Laboratory Company, New York, N. Y. Heating molten electrolytes. No. 1,080,113; Dec. 2; Gaz. vol. 197; p. 69.
- Kugler, Albert J., and J. F. Godefroy, New York, N. Y. Hinge. No. 1,077,084; Oct. 28; Gaz. vol. 195; p. 972.
- Kugler, Charles H., Cozad, Nebr. Cutting apparatus for harvesting-machines. No. 1,078,101; Nov. 11; Gaz. vol. 196; p. 327.
- Kugler, Friedrich, assignor to Martini-Buchbinderei & Textilmaschinenfabrik A. G., Frauenfeld, Switzerland. Book-sewing machine. No. 1,062,596; May 27; Gaz. vol. 190; p. 807.
- Kugler, John H., assignor of one-fourth to J. B. Waddle, Fairfield, Pa. Steam-turbine. No. 1,051,336; Jan. 21; Gaz. vol. 186; p. 757.
- Kubl, Alphons M., Carroll, Iowa. Adjustable shaft. No. 1,079,865; Nov. 25; Gaz. vol. 196; p. 999.
- Kuhl, Burchard, Orlando, Fla. Ice-cream freezer. No. 1,050,665; Jan. 14; Gaz. vol. 186; p. 492.
- Kuhles, Friedrich, Maywood, N. J. Non-refillable bottle. No. 1,081,506; Dec. 16; Gaz. vol. 197; p. 613.
- Kuhlke, Martin D., Akron, Ohio. Core for building pneumatic tires. No. 1,060,262; Apr. 29; Gaz. vol. 189; p. 1140.
- Kuhlman, Edgar J. (See Dominick and Kuhlman.)
- Kuhlman, Herman C., assignor of one-third to F. Kestner and one-third to M. Callahan, Cleveland, Ohio. Automatic mail catcher and deliverer. No. 1,072,129; Sept. 2; Gaz. vol. 194; p. 157.
- Kuhlmann, Henry F., Indianapolis, Ind. Detachable creeper for horseshoes. No. 1,076,654; Oct. 21; Gaz. vol. 195; p. 770.
- Kuhlmann, Henry F., Indianapolis, Ind. Washing-machine. No. 1,077,534; Nov. 4; Gaz. vol. 196; p. 104.
- Kuhn, Etienne W., London, England. Manufacturing sterile butter and cream. No. 1,067,743; July 15; Gaz. vol. 192; p. 699.
- Kuhn, Frank, Detroit, Mich. Automatically-operating switch for electric circuits. No. 1,060,987; May 6; Gaz. vol. 190; p. 148.
- Kuhn, Frank, assignor to American Electrical Heater Company, Detroit, Mich. Safety-switch for electric heaters and other electrical apparatus. No. 1,060,986; May 6; Gaz. vol. 190; p. 148.
- Kuhn, Frank, and F. E. Shailor, assignors to American Electrical Heater Company, Detroit, Mich. Electrical heating unit. No. 1,052,730; Feb. 11; Gaz. vol. 187; p. 332.
- Kuhn, Gottfried, New York, N. Y. Screw-making machine. No. 1,052,066; Feb. 4; Gaz. vol. 187; p. 76.
- Kuhn, Harry A., Pittsburgh, Pa. Mining-machine. No. 1,079,353; Nov. 25; Gaz. vol. 196; p. 821.
- Kuhnert, Julius, Breslau, Germany. Drill-share. No. 1,080,012; Dec. 2; Gaz. vol. 197; p. 32.
- Kuhnsman, Charles S., and F. J. Moyer, Allentown, Pa. Floor and ceiling plate. No. 1,054,568; Feb. 25; Gaz. vol. 187; p. 1043.
- Kuhr, Emil H., assignor to The Daylight Burner Co., Cincinnati, Ohio. Burner. No. 1,064,918; June 17; Gaz. vol. 191; p. 663.
- Kuhrt, Leon E., New York, N. Y. Artist's color-box and easel. No. 1,065,255; June 17; Gaz. vol. 191; p. 775.
- Kukkuck, Frederick, St. Louis, Mo., assignor to The Philadelphia Textile Machinery Company, Philadelphia, Pa. Feed mechanism for drying apparatus. No. 1,081,238; Dec. 9; Gaz. vol. 197; p. 483.
- Kulenkampff, Carl A., New York, N. Y. Wire-mesh fabric. No. 1,055,764; Mar. 11; Gaz. vol. 188; p. 409.
- Kulenkampff, Walther, Magdeburg, Germany. Preserving and packing eggs. No. 1,063,043; May 27; Gaz. vol. 190; p. 954.
- Kulesza, Stanislaw, Skorzew, near Busk, Russia. Threshing-machine. No. 1,063,701; June 3; Gaz. vol. 191; p. 186.
- Kulhanek, Joseph, Chesaning, Mich. Manure-loader. No. 1,081,124; Dec. 9; Gaz. vol. 197; p. 445.
- Kull, Samuel B., New York, N. Y. Rail-fastening. No. 1,049,876; Jan. 7; Gaz. vol. 186; p. 190.
- Kulla, Michael J., Cleveland, Ohio. Safety-valve. No. 1,072,334; Sept. 2; Gaz. vol. 194; p. 223.
- Kullberg, William F., Washington, D. C. Float-controlled valve. No. 1,063,807; June 3; Gaz. vol. 191; p. 220.
- Kulow, John H., Buffalo, N. Y. Pen-point holder. No. 1,072,240; Sept. 2; Gaz. vol. 194; p. 194.
- Kulp, Jay V. H. (See Kramlich, John M., assignor.)
- Kulzick, John. (See Lisle, Myron C., assignor.)
- Kundtz, Theodor. (See Cogger, William B., assignor.)
- Kundtz, Theodor. (See Kormendy, Bela, assignor.)
- Kunert, Otto A., and T. F. K. von Weidenheim, Vienna, Austria-Hungary. Railway-splice with fish-plates. No. 1,079,866; Nov. 25; Gaz. vol. 196; p. 1000.
- Kunik, Michael, Chicago, Ill. Micrometer-calipers. No. 1,070,816; Aug. 19; Gaz. vol. 193; p. 663.
- Kunkel, George, and G. H. Williams, Cincinnati, Ohio. Knockdown or folding scenery. No. 1,062,479; May 20; Gaz. vol. 190; p. 727.
- Kunkel, Nelson L., Utica, N. Y. Combination compasses and marking-gage. No. 1,078,862; Nov. 18; Gaz. vol. 196; p. 622.
- Kuns, Hayward, Watson Co. (See Watson and Hayward, assignors.)
- Küntzler, Henry. (See Hunter and Küntzler.)
- Küntzler, Henry, Kingston, assignor to J. P. Hunter, Wilkes-Barre, Pa. Numeral-wheel support for adding-machines. No. 1,068,786; July 29; Gaz. vol. 192; p. 1129.
- Küntzler, Henry, Kingston, Pa., assignor to Adder Machine Company. Full-stroke mechanism. No. 1,074,054; Sept. 23; Gaz. vol. 194; p. 912.
- Küntzler, Henry, Kingston, Pa., assignor, by mesne assignments, to Adder Machine Company. Crank driving mechanism for adding-machines. No. 1,080,515; Dec. 2; Gaz. vol. 197; p. 208.
- Küntzler, Henry, Wilkes-Barre, Pa., assignor, by mesne assignments, to Adder Machine Company. Flexible draft connection for adding-machines. No. 1,080,516; Dec. 2; Gaz. vol. 197; p. 209.
- Kunz, Erich. (See Scheitlin and Kunz.)
- Kunz, Louis F., Chicago, Ill. Attachment for firearms. No. 1,072,335; Sept. 2; Gaz. vol. 194; p. 224.
- Kunz, Max A., Mannheim, assignor to Radische Anilin & Soda Fabrik, Ludwigshafen-on-the-Rhine, Germany. Anthracene compounds and making them. No. 1,058,604; Apr. 8; Gaz. vol. 189; p. 459.
- Kunze, Edward J. (See Illmer and Kunze.)
- Kunze, Paulin K., Vienna, Austria-Hungary. Device for obtaining intimate contact with, engaging, or clamping bodies of any shape. No. 1,059,545; Apr. 22; Gaz. vol. 189; p. 859.
- Kunzelman, John R., Duluth, Minn. Car-step. No. 1,079,565; Nov. 25; Gaz. vol. 196; p. 894.
- Kupfer Bros. Co. (See Kaufmann, Berthold, assignor.)
- Kupfer, Richard, Gera Reuss, Germany. Dry-swimming apparatus. No. 1,080,462; Dec. 2; Gaz. vol. 197; p. 191.
- Kupfer, Theodore, Madison, Wis. Milking device. No. 1,057,486; Apr. 1; Gaz. vol. 189; p. 31.
- Kupferle, Edward, St. Louis, Mo. Hose-nozzle. No. 1,076,128; Oct. 21; Gaz. vol. 195; p. 584.
- Kupp, William A., assignor to F. Engelhardt & Sons, St. Johnsville, N. Y. Tone-softening mechanism for automatic pianos. No. 1,056,034; Mar. 18; Gaz. vol. 188; p. 534.
- Kuppenheimer & Co., B. (See Gillis, Malcolm W., assignor.)
- Küpper's Metallwerke Gesellschaft mit beschränkter Haftung. (See Maes, Ludwig, assignor.)
- Kurek, Jozef, Pittsburgh, Pa. Guard for scarf-pins. No. 1,050,552; Jan. 14; Gaz. vol. 186; p. 457.
- Kurkiewicz, Henryk, St. Petersburg, Russia. Machine for taking off single strips from a pile of paper strips. No. 1,071,243; Aug. 26; Gaz. vol. 193; p. 838.
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- Kurowski, Alfred G. F., assignor to Underwood Typewriter Company, New York, N. Y. Type-writing machine. No. 1,063,887; June 3; Gaz. vol. 191; p. 245.
- Kurowski, Alfred G. F., assignor to Underwood Typewriter Company, New York, N. Y. Type-writing machine. No. 1,069,149; Aug. 5; Gaz. vol. 193; p. 20.
- Kurowski, Alfred G. F., assignor to Underwood Typewriter Company, New York, N. Y. Type-writing machine. No. 1,070,141; Aug. 12; Gaz. vol. 193; p. 392.
- Kurowski, Alfred G. F., assignor to Underwood Typewriter Company, New York, N. Y. Type-writing machine. No. 1,072,386; Sept. 2; Gaz. vol. 194; p. 243.
- Kurowski, Alfred G. F., assignor to Underwood Typewriter Company, New York, N. Y. Caster raising and lowering device for stands for type-writing machines, &c. No. 1,082,160; Dec. 23; Gaz. vol. 197; p. 859.
- Kurowski, Alfred G. F., Brooklyn, assignor to Underwood Typewriter Company, New York, N. Y. Type-writing machine. No. 1,067,664; July 15; Gaz. vol. 192; p. 673.
- Kurowski, Alfred G. F., Brooklyn, assignor to Underwood Typewriter Company, New York, N. Y. Type-writing machine. No. 1,068,787; July 29; Gaz. vol. 192; p. 1129.
- Kurowski, Alfred G. F., Brooklyn, assignor to Underwood Typewriter Company, New York, N. Y. Type-writing machine. No. 1,069,619; Aug. 5; Gaz. vol. 193; p. 183.
- Kurowski, Alfred G. F., Brooklyn, assignor to Underwood Typewriter Company, New York, N. Y. Type-writing machine. No. 1,071,439; Aug. 26; Gaz. vol. 193; p. 903.
- Kurowski, Alfred G. F., Brooklyn, assignor to Underwood Typewriter Company, New York, N. Y. Type-writing machine. No. 1,080,285; Dec. 2; Gaz. vol. 197; p. 128.
- Kurowski, Alfred G. F., and H. N. McKay, Brooklyn, assignors to Underwood Typewriter Company, New York, N. Y. Type-writing machine. No. 1,067,992; July 22; Gaz. vol. 192; p. 815.
- Kurrell, Theodor. (See Schneider and Kurrell.)
- Kurrell, Theodor, H. Schneider, Los Angeles, and L. Bukowski, Pasadena, Cal. Wave-actuated motive apparatus. No. 1,062,832; May 27; Gaz. vol. 190; p. 884.
- Kurrelmeyer, Emma A. B., Maplewood, Mo. Poultry-harness. No. 1,066,821; July 8; Gaz. vol. 192; p. 349.
- Kurschus, George, Hastings, Mich. Dies for forming horseshoes. No. 1,057,967; Apr. 1; Gaz. vol. 189; p. 195.
- Kurtz, Barton S., Gap, Pa. Trace-hook. No. 1,053,833; Feb. 18; Gaz. vol. 187; p. 756.
- Kurtz, Charles M. (See Burwell and Kurtz.)
- Kurtz, Cyrus B., Cleveland, Ohio. Buckle. No. 1,050,470; Jan. 14; Gaz. vol. 186; p. 427.
- Kurtz-Hähne, Carl, Reutlingen, Germany. Fiber-separating machine for paper and paper stuff. No. 1,050,212; Jan. 14; Gaz. vol. 186; p. 336.
- Kurtz, Isaac W., and J. W. Rankin, Peru, Ind. Vaginal syringe. No. 1,073,249; Sept. 16; Gaz. vol. 194; p. 613.
- Kurtz, Stewart S. (See Jacobs, George, assignor.)
- Kurtzon, Morris, Chicago, Ill. Adjustable bracket. No. 1,080,639; Dec. 9; Gaz. vol. 197; p. 281.
- Kurz, August W. (See Kurz, John G., assignor.)
- Kurz, August W., New York, N. Y. Vault-head. No. 1,056,801; Mar. 25; Gaz. vol. 188; p. 826.
- Kurz, August W., New York, N. Y. Vault-head. No. 1,056,802; Mar. 25; Gaz. vol. 188; p. 826.
- Kurz, Fred. (See Schreiner and Kurz.)
- Kurz, Gustave A. (See Chaddock, Charles E. and R. G., assignors.) (Reissue.)
- Kurz, John G., Cleveland, Ohio, assignor to A. W. Kurz, New York, N. Y. Vault-head. No. 1,066,736; July 8; Gaz. vol. 192; p. 322.
- Kurz, Joseph, New York, N. Y. Box-protector. No. 1,059,171; Apr. 15; Gaz. vol. 189; p. 693.
- Kurzawsky, Albert, Nanticoke, Pa. Rail-joint. No. 1,050,666; Jan. 14; Gaz. vol. 186; p. 492.
- Kurze, Wilhelm, Wilhelmshütte, Neustadt-on-the-Ruberge, near Hanover, Germany. Metal core for use in casting hollow bodies. No. 1,059,620; Apr. 22; Gaz. vol. 189; p. 883.
- Kurze, Wilhelm, Wilhelmshütte, Neustadt, Germany. Means for producing cores or molds. No. 1,079,988; Dec. 2; Gaz. vol. 197; p. 24.
- Kurzweily, George C., Chicago, Ill. Door-lock. No. 1,057,349; Mar. 25; Gaz. vol. 188; p. 1013.
- Kuske, Joseph, Astoria, N. Y. Door-lock. No. 1,066,021; July 1; Gaz. vol. 192; p. 41.
- Kusnezow, Methodic J., Charkow, Russia, assignor, by mesne assignments, to Perth Amboy Chemical Works. Manufacture of formaldehyde. No. 1,067,665. July 15; Gaz. vol. 192; p. 673.
- Kusserow, Berthold A., Schenectady, N. Y. Safety article-holder. No. 1,074,506; Sept. 30; Gaz. vol. 194; p. 1089.
- Kuster, Edward G., *et al.* (See Pendleton, William H. E., assignor.)
- Kutch, Melcherd H., Terre Haute, Ind. Vaginal douche-cup. No. 1,074,368; Sept. 30; Gaz. vol. 194; p. 1045.
- Kutter, Herman L., assignor to The Black-Clawson Company, Hamilton, Ohio. Bearing. No. 1,069,793; Aug. 12; Gaz. vol. 193; p. 272.
- Küwnick, Franz, *et al.* (See Segelken, Heinrich, assignor.)
- Kuykendall, Joshua D. (See Lovejoy, Mabry, assignor.)
- Kuyper, Charles H., Cincinnati, Ohio. Motor-vehicle. No. 1,058,605; Apr. 8; Gaz. vol. 189; p. 459.
- Kwilecki, Adolf, Breslau, Germany. Albuminimeter. No. 1,056,913; Mar. 25; Gaz. vol. 188; p. 865.
- Kyle, Hugh M., Mount Vernon, Iowa. Attachment for wire-stretchers. No. 1,074,507; Sept. 30; Gaz. vol. 194; p. 1090.
- Kyle, Samuel L., Ottawa, Ontario, Canada. Reinforced concrete or cementitious railway-tie. No. 1,051,898; Feb. 4; Gaz. vol. 187; p. 17.
- Kyle, Samuel L., Ottawa, Ontario, Canada. Nut-lock. No. 1,076,679; Oct. 28; Gaz. vol. 195; p. 830.
- Kyle, William H., Akron, Ohio. Drilling device. No. 1,053,185; Feb. 18; Gaz. vol. 187; p. 534.
- Kyllonen, Andrew E., Monesson, Pa. Hat-pin-point protector. No. 1,064,348; June 10; Gaz. vol. 191; p. 437.
- Kyllonen, Andrew E., Monessen, Pa. Curtain-bracket. No. 1,077,144; Oct. 28; Gaz. vol. 195; p. 989.
- Kyllonen, Erick and J., Lakota, N. D. Threshing-machine. No. 1,053,407; Feb. 18; Gaz. vol. 187; p. 611.
- Kyllonen, John. (See Kyllonen, Erick and J.)
- Kynoch Limited. (See Jones, Edward, assignor.)
- Kyoto, Yasumitsu, Los Angeles, Cal. Fuel-saver. No. 1,055,921; Mar. 11; Gaz. vol. 188; p. 461.
- Kyriakides, Lucas P. (See Earle and Kyriakides.)
- L. Adinau Company. (See Adinau, Louis G. M., assignor.)
- L. Moore Dry Kiln Co. (See Moore, La Fayette, assignor.)
- L. Wolff Manufacturing Company. (See Hoelscher, Herman M., assignor.)
- L. Wolff Manufacturing Company. (See Weelans, Charles, assignor.)
- L. Wolff Manufacturing Company. (See Wolff, Franklyn J., assignor.)
- L. A. Myers, Jr., Inc. (See O'Brien, Terrence, assignor.)
- L. A. Thompson Scenic Railway Company, The. (See Thompson, La Marcus A., assignor.)
- L. C. Smith & Bros. Typewriter Company. (See Gabrielson, Carl, assignor.)
- L. E. Waterman Company. (See Stevens, Richard H., assignor.)
- L. J. Mueller Furnace Co. (See Mueller, Louis J., Jr., assignor.)
- L. M. Booth Company. (See Sutro, Harry H., assignor.)
- L. S. Starrett Company. (See Starrett, Laroy S., assignor.)
- L. S. Starrett Company. (See Starrett and Adell, assignors.)
- L'Anglois, Joseph T., assignor of one-half to B. H. Briggs, Reno, Nev. Ship construction. No. 1,051,127; Jan. 21; Gaz. vol. 186; p. 687.
- L'Heureux, Ludger, Montreal, Quebec, Canada. Apparatus for launching ships' boats. No. 1,070,033; Aug. 12; Gaz. vol. 193; p. 354.
- L'home, Leo, assignor of one-half to E. Robb, Perryville, Mo. Parachute. No. 1,052,489; Feb. 11; Gaz. vol. 187; p. 253.
- La Bounty, Charles B. H., Tacoma, Wash. Non-refillable bottle. No. 1,076,129; Oct. 21; Gaz. vol. 195; p. 585.
- La Breche, Alphonse, Jefferson, S. D. Automatic fire-extinguisher. No. 1,080,068; Dec. 2; Gaz. vol. 197; p. 52.
- La Chapelle, Euclid I., Beverly, Mass. Lasting-machine. No. 1,077,411; Nov. 4; Gaz. vol. 196; p. 61.
- La Chapelle, Fred N., Beverly, Mass., assignor to United Shoe Machinery Company, Paterson, N. J. Needle-guide for sewing-machines. No. 1,066,924; July 8; Gaz. vol. 192; p. 385.
- La Chapelle, Fred N., Beverly, Mass., assignor to United Shoe Machinery Company, Paterson, N. J. Sewing-machine. No. 1,081,390; Dec. 16; Gaz. vol. 197; p. 574.
- La Croix, George O., Toledo, Ohio. Automatic cistern-cleaner. No. 1,054,004; Feb. 25; Gaz. vol. 187; p. 852.
- La Crosse Plow Co. (See Davis and Cameron, assignors.)
- La Crosse Plow Company. (See Davis, Frank E., assignor.)
- La Driere, Joseph L., Albuquerque, N. Mex. Wheel. No. 1,049,497; Jan. 7; Gaz. vol. 186; p. 60.
- La Driere, Joseph L., Albuquerque, N. Mex. Cushioning means for vehicles. No. 1,054,569; Feb. 25; Gaz. vol. 187; p. 1043.
- La Driere, Joseph L., Albuquerque, N. Mex. Spring and cushioning means for vehicles. No. 1,072,241; Sept. 2; Gaz. vol. 194; p. 194.
- La Francis, Walter J., Springfield, Mass. Building-veneer. No. 1,052,670; Feb. 11; Gaz. vol. 187; p. 314.
- La Joie, Herbert J., Orange, N. J., assignor to Auto Pneumatic Action Company. Spindle for holding music-spools. No. 1,063,980; June 10; Gaz. vol. 191; p. 311.
- La Maida, Thomas, New York, N. Y. Chart for cutting garments. No. 1,068,143; July 22; Gaz. vol. 192; p. 867.
- La Mar, Hattie C., Harrison, Ohio. Fountain tooth-brush. No. 1,065,256; June 17; Gaz. vol. 191; p. 775.

Alphabetical list of patentees—Continued.

- La Paugh, Louie T., Utica, N. Y. Delivery-receptacle. No. 1,074,369; Sept. 30; Gaz. vol. 194; p. 1046.
- La Pearl, James H., Glendale, Cal. Changeable advertising-sign. No. 1,077,885; Nov. 4; Gaz. vol. 196; p. 221.
- La Plant, Harry E. (See Hodge and La Plant.)
- La Point, Joseph G., New Albany, Ind. Pneumatic cushion for stump-legs. No. 1,057,562; Apr. 1; Gaz. vol. 189; p. 57.
- La Pointe, Charles E., assignor to The Berlin Machine Works, Beloit, Wis. Steady-rest for wood-turning machines. No. 1,052,596; Feb. 11; Gaz. vol. 187; p. 288.
- La Porte, Norbert M., assignor to The Crown Cork and Seal Company of Baltimore City, Baltimore, Md. Closure-applying mechanism. No. 1,080,114; Dec. 2; Gaz. vol. 197; p. 69.
- La Reau, Leo. (See Madsen, Peter N., assignor.)
- La Rue, A. Horace. (See St. Anthony, Louis F., assignor.)
- La Rue, Albert J., Spokane, Wash. Interlocking switch. No. 1,051,422; Jan. 28; Gaz. vol. 186; p. 819.
- La Rue, Henry U., Chicago, Ill. Attaching means for grab-irons. No. 1,071,930; Sept. 2; Gaz. vol. 194; p. 90.
- La Rue, Joseph A., Salmon, Tex. Subsoil-irrigating implement. No. 1,062,169; May 20; Gaz. vol. 190; p. 623.
- La Rue, Richard S., Bellefontaine, Ohio. Shaper. No. 1,069,439; Aug. 5; Gaz. vol. 193; p. 123.
- La Rue, Wm. A., *et al.* (See Duryea, Charles E., assignor.)
- La Salle Company, The. (See Sinner, Emil, assignor.)
- La Société Huilerie, et Savonnerie de Lurian. (See Félizat, Louis, assignor.)
- La Trobe, Harold B. (See Reeves and La Trobe.)
- La Vercombe, Harley H., assignor of one-half to J. V. Gudmand-Hoyer, Highland Park, Mich. Instrument-guard. No. 1,065,054; June 17; Gaz. vol. 191; p. 708.
- La Vergne, John, Newark, G. Izzo and F. Macolino, Jersey City, N. J. Hinge. No. 1,052,928; Feb. 11; Gaz. vol. 187; p. 404.
- Laabs, August W., Appleton, Wis. Milking stool and pail holder. No. 1,065,312; June 17; Gaz. vol. 191; p. 794.
- Laas, Edward, Shawnee, Okla., and H. H. Sponenburg, Gurnee, Ill., assignors to Laas & Sponenburg Co. Railway-track device. No. 1,077,353; Nov. 4; Gaz. vol. 196; p. 39.
- Laas & Sponenburg Co. (See Laas and Sponenburg, assignors.)
- Laas & Sponenburg Co. (See Truman, Percival H., assignor.)
- Labadie, Harry H. (See Schweitzer and Labadie.)
- Labé, Stella. (See De Journo, Ernest, assignor.)
- Labelle, Wilfrid, Montreal, Quebec, Canada. Plastering-tool. No. 1,071,758; Sept. 2; Gaz. vol. 194; p. 31.
- Labudde, Robert, Bakersfield, Cal. Oil-well walking-beam. No. 1,058,987; Apr. 15; Gaz. vol. 189; p. 631.
- Lacell, Harold G. (See Kent and Lacell.)
- Lacene Manufacturing Company. (See Lapham, Paul J., assignor.)
- Lacene Manufacturing Company. (See Nichols, Elmer P., assignor.)
- Lacerda, Harry A., Albany, N. Y. Stay-bolt. No. 1,069,436; Aug. 5; Gaz. vol. 193; p. 123.
- Lacey, Fred, Lowell, Mass. Shedding mechanism for looms. No. 1,064,494; June 10; Gaz. vol. 191; p. 488.
- Lachman, Maurice, New York, N. Y. Metallic fabric for fences and other structures. No. 1,051,126; Jan. 21; Gaz. vol. 186; p. 687.
- Lachman, Maurice, New York, N. Y. Sheet-metal construction. No. 1,070,817; Aug. 19; Gaz. vol. 193; p. 663.
- Lachman, Maurice, assignor to Universal Electric Welding Company, New York, N. Y. Electric welding. No. 1,058,243; Apr. 8; Gaz. vol. 189; p. 335.
- Lachman, Maurice, New York, N. Y., assignor to Standard Pulley Manufacturing Company. Electric welding. No. 1,063,357; June 3; Gaz. vol. 191; p. 63.
- Lack, Finis E. (See Wright, William C., assignor.)
- Lack, Israel, Brooklyn, N. Y. Corset. No. 1,058,763; Apr. 15; Gaz. vol. 189; p. 551.
- Lackawanna Steel Company. (See Conkling, Cloud C., assignor.)
- Lackawanna Steel Company. (See Mathias, Thomas H., assignor.)
- Lackey, Ben, Meridian, Miss. Nut-lock. No. 1,077,412; Nov. 4; Gaz. vol. 196; p. 61.
- Lackey, George E., assignor to International Lace Company, New York, N. Y. Curtain. No. 1,050,841; Jan. 21; Gaz. vol. 186; p. 587.
- Lackey, Jacob E., Fort Lawn, S. C. Wrench. No. 1,052,669; Feb. 11; Gaz. vol. 187; p. 314.
- Lackey, James A., Ontario, Oreg. Rivetless sickle for mowers, &c. No. 1,076,832; Oct. 28; Gaz. vol. 195; p. 884.
- Lackie, John B., Winnipeg, Manitoba, Canada. Clothes-pin. No. 1,075,112; Oct. 7; Gaz. vol. 195; p. 180.
- Lackland, Samuel H., assignor of one-half to J. H. Breen, St. Louis, Mo. Window-sash lock. No. 1,056,803; Mar. 25; Gaz. vol. 188; p. 827.
- Lackner, Rudolph J., New York, N. Y. Life-saving suit. No. 1,070,705; Aug. 19; Gaz. vol. 193; p. 626.
- Lackner, William F. (See Hobson and Lackner.)
- Laclede-Christy Clay Products Company. (See Girtanner, Frederick, assignor.)
- Laclede-Christy Clay Products Company. (See Green, John L., assignor.)
- Laclede-Christy Clay Products Company. (See Miller, Robert H., assignor.)
- Lacoste, Joseph, *et al.* (See Bills, Leroy F., assignor.)
- Lacroix, Joseph. (See Desautels and Lacroix.)
- Lacroix, Joseph, assignor to Double Spring Shuttle Co., Fall River, Mass. Friction device for shuttles. No. 1,054,355; Feb. 25; Gaz. vol. 187; p. 971.
- Lacroix, Joseph, and J. Desautels, Fall River, Mass., assignors of one-third to said Lacroix, one-third to said Desautels, and one-third to C. J. Burdick, Providence, R. I. Spinning-machine. No. 1,071,061; Aug. 26; Gaz. vol. 193; p. 778.
- Lacroix, Joseph D., New Orleans, La., assignor to E. H. Davis, New York, N. Y. Cigar-machine. No. 1,070,818; Aug. 19; Gaz. vol. 193; p. 663.
- Ladd & Baker *et al.* (See Baker, David, assignor.)
- Ladd & Baker *et al.* (See Ladd and Baker, assignors.)
- Ladd, E. M. (See Marsden, Marvin, assignor.)
- Ladd, James B. (See Bent, Barnhart, and Ladd.)
- Ladd, James B., and D. Baker, assignors of one-half to Ladd & Baker and one-half to D. Baker, Philadelphia, Pa. Feed-roller. No. 1,081,969; Dec. 23; Gaz. vol. 197; p. 795.
- Ladd, Louis E., Newark, N. J. Safety-catch for jewelry. No. 1,054,848; Mar. 4; Gaz. vol. 188; p. 68.
- Lademan, Otto T., Milwaukee, Wis. Signaling system. No. 1,058,872; Apr. 15; Gaz. vol. 189; p. 590.
- Ladew, Charles H., Sr., New York, N. Y., assignor of one-half to J. W. Birnbaum, Union Hill, N. J. Pedal mechanism. No. 1,055,190; Mar. 4; Gaz. vol. 188; p. 179.
- Ladoff, Isador, Cleveland, Ohio, assignor, by mesne assignments, of thirty one-hundredths to W. D. Edmonds, Boonville, N. Y. Arc-light electrode. No. 1,062,168; May 20; Gaz. vol. 190; p. 623.
- Lady, George L., Baileytown, Tenn. Shock-loader. No. 1,064,495; June 10; Gaz. vol. 191; p. 489.
- Lady, William D., assignor of one-half to S. K. Kinchelor, Jonesboro, Tenn. Fruit and butter kettle. No. 1,051,420; Jan. 28; Gaz. vol. 186; p. 819.
- Laemmer, Gustav, Gebweiler, Germany, assignor to Mergenthaler Linotype Company. Typographical machine. No. 1,063,979; June 10; Gaz. vol. 191; p. 311.
- Laemmle Manufacturing Company. (See Jenkins, Charles F., assignor.)
- Lafayette, Louis N. (See Batting and Lafayette.)
- Laffoon, Pompey. (See Elder and Laffoon.)
- Lafitte, Joachim, Biarritz, France. Illuminating device. No. 1,073,147; Sept. 16; Gaz. vol. 194; p. 576.
- Lafleur, Hormidas, Leominster, Mass. Resilient wheel. No. 1,061,086; May 6; Gaz. vol. 190; p. 180.
- Laforce, Joseph E., North Grafton, assignor to Alsten & Goulding Company, Worcester, Mass. Air-pump. No. 1,071,929; Sept. 2; Gaz. vol. 194; p. 90.
- Lafquist, Charles M., and J. Dahl, Seattle, Wash. Ventilator. No. 1,070,616; Aug. 19; Gaz. vol. 193; p. 596.
- Lagaay Az, Pieter, Rotterdam, Netherlands. Davit. No. 1,078,080; Nov. 11; Gaz. vol. 196; p. 319.
- Laganke, Charles F., and J. A. Smith, Cleveland, Ohio, assignors, by mesne assignments, to Elliott-Fisher Company. Calculating and type-writing machine. No. 1,070,142; Aug. 12; Gaz. vol. 193; p. 392.
- Lagasse, Daniel S., Lynn, Mass. Fastener for shutters. No. 1,081,677; Dec. 16; Gaz. vol. 197; p. 666.
- Lagergren, Carl, Osterville, Mass. Automobile front axle. No. 1,064,496; June 10; Gaz. vol. 191; p. 489.
- Lagerwall, Charles J. (See Wade and Lagerwall.)
- Lagonda Manufacturing Company, The. (See Overly, Charles F., assignor.)
- Lahart, John F., Minneapolis, Minn. Metal-reinforced railway-tie. No. 1,071,161; Aug. 26; Gaz. vol. 193; p. 810.
- Lahaussais, René, Paris, France. Gas-producer for generating rich gases. No. 1,068,788; July 29; Gaz. vol. 192; p. 1130.
- Lahay, Dell J., Carney, Mich. Clothes-line. No. 1,055,055; Mar. 4; Gaz. vol. 188; p. 137.
- Lahrs, Louis J. T., Buffalo, N. Y. Curtain for automobiles. No. 1,050,146; Jan. 14; Gaz. vol. 186; p. 314.
- Lahue, Moses M., Lowell, Mass. Picking mechanism for looms. No. 1,060,910; May 6; Gaz. vol. 190; p. 121.
- Laidlaw, Peter B., El Paso, Tex. Poultry house and pen. No. 1,070,819; Aug. 19; Gaz. vol. 193; p. 664.
- Laidley, Samuel C., Chicago, Ill. Apparatus for cleansing tubes. No. 1,056,696; Mar. 18; Gaz. vol. 188; p. 760.
- Laing, Arthur C., Dawson, Ga. Stump-puller. No. 1,064,497; June 10; Gaz. vol. 191; p. 490.
- Laing, George W., Curwensville, Pa. Nut-lock. No. 1,072,336; Sept. 2; Gaz. vol. 194; p. 224.
- Laing, John E., Dubois, assignor of one-half to J. F. Mitchell, Bells Landing, Pa. Automatically-operated railway-switch. No. 1,072,337; Sept. 2; Gaz. vol. 194; p. 224.
- Laird, Charles W., London, England, P. M. Menteyne and P. A. Deguille, Paris, France. Extractor for firearms. No. 1,066,737; July 8; Gaz. vol. 192; p. 322.
- Laird, Herbert L. (See Edman, John, assignor.)

Alphabetical list of patentees—Continued.

- Laird, Roy C., and C. E. Miller, Tabor, Iowa. Phonograph attachment for clocks. No. 1,059,474; Apr. 22; Gaz. vol. 189; p. 835.
- Laird, Wilbur G., Washington, D. C., assignor to The Improved Equipment Company, New York, N. Y. Making gas. No. 1,055,334; Mar. 11; Gaz. vol. 188; p. 265.
- Laist, Frederick, *et al.* (See Wiggin, Albert E., assignor.)
- Laist, Frederick, Anaconda, Mont. Roasting-furnace. No. 1,070,490; Aug. 19; Gaz. vol. 193; p. 554.
- Laist, Frederick, Anaconda, Mont. Extracting copper from ore. No. 1,076,833; Oct. 28; Gaz. vol. 195; p. 885.
- Laitinen, Abel, Northland, Minn. Wrench. No. 1,080,463; Dec. 2; Gaz. vol. 197; p. 191.
- Lake, Benjamin D., and N. G. Marks, Springfield, Ky. Automobile light-controlling device. No. 1,061,087; May 6; Gaz. vol. 190; p. 181.
- Lake, Bertus A., Big Prairie, Ohio. Shoe-cleaner. No. 1,069,884; Aug. 12; Gaz. vol. 193; p. 304.
- Lake, Christopher J., Bridgeport, Conn. Flying or soaring machine. No. 1,049,498; Jan. 7; Gaz. vol. 186; p. 60.
- Lake, Clyde A., Dallas, Tex. Brick-mason's steel trig. No. 1,080,836; Dec. 9; Gaz. vol. 197; p. 353.
- Lake, Edward N., Winthrop, Mass. Electric distribution system. No. 1,055,642; Mar. 11; Gaz. vol. 188; p. 367.
- Lake, John L., assignor of one-seventh to F. A. Hammer, one-seventh to I. Reinheimer, one-seventh to C. C. Taylor, one-seventh to W. F. Clemen, one-seventh to C. Metzger, and one-seventh to C. Bosee, Philadelphia, Pa. Shade-pull. No. 1,070,043; Aug. 12; Gaz. vol. 193; p. 358.
- Lake, Simon, Milford, Conn. Internal-combustion engine. No. 1,067,258; July 15; Gaz. vol. 192; p. 534.
- Lake Torpedo Boat Company, The. (See Peacock, Edward L., assignor.)
- Lakey, William B., and G. Staunton, Muskegon, Mich. System for storing fluids under pressure. No. 1,070,491; Aug. 19; Gaz. vol. 193; p. 554.
- Lakovsky, Georges, Paris, France. Nut or locking device for screws. No. 1,054,570; Feb. 25; Gaz. vol. 187; p. 1043.
- Lallié, Norbert. (See Maublanc and Lallié.)
- Lally, John, Boston, Mass. Column cap or base. No. 1,071,523; Aug. 26; Gaz. vol. 193; p. 931.
- Lamant, Joseph, Vitry-le-François, France. Wind-gage. No. 1,060,463; Apr. 29; Gaz. vol. 189; p. 1211.
- Lamar, Alexis L., assignor to L. J. Stukey, Pittsburg, Kans. Wiring mechanism for hay-balers. No. 1,076,834; Oct. 28; Gaz. vol. 195; p. 885.
- Lamb, Arthur W., and L. E. Vose, Walpole, assignors to Hollingsworth & Vose Company, Boston, Mass. Paper-making machine. No. 1,052,927; Feb. 11; Gaz. vol. 187; p. 403.
- Lamb, Ben W., Adolphus, Ky. Mail-transporting device. No. 1,064,919; June 17; Gaz. vol. 191; p. 663.
- Lamb, Burt I., Norwalk, assignor of one-half to H. R. Mason, Monroeville, Ohio. Starting device for internal-combustion engines. No. 1,078,151; Nov. 11; Gaz. vol. 196; p. 344.
- Lamb, Franklin M., North Stonington, Conn. Power-gage device for picker-sticks of looms. No. 1,076,585; Oct. 21; Gaz. vol. 195; p. 745.
- Lamb, Henry W. (See Braddock, Edward I., assignor.)
- Lamb, Joseph E., Union Church, Miss. Rotary plow. No. 1,054,571; Feb. 25; Gaz. vol. 187; p. 1044.
- Lamb, Joseph F. (See Moberg and Lamb.)
- Lamb, Joseph F., assignor to Landers, Frary and Clark, New Britain, Conn. Percolator. No. 1,051,421; Jan. 28; Gaz. vol. 186; p. 819.
- Lamb, Joseph F., assignor to Landers, Frary & Clark, New Britain, Conn. Lunch-box. No. 1,053,097; Feb. 11; Gaz. vol. 187; p. 461.
- Lamb, Joseph F., assignor to Landers, Frary & Clark, New Britain, Conn. Lunch-box. No. 1,058,068; Apr. 1; Gaz. vol. 189; p. 274.
- Lamb, Joseph F., assignor to Landers, Frary and Clark, New Britain, Conn. Forming and securing bolsters to cutlery. No. 1,059,673; Apr. 22; Gaz. vol. 189; p. 900.
- Lamb, Joseph F., assignor to Landers, Frary & Clark, New Britain, Conn. Forming and attaching cast-metal handles to cutlery. No. 1,059,674; Apr. 22; Gaz. vol. 189; p. 901.
- Lamb, Joseph F., assignor to Landers, Frary & Clark, New Britain, Conn. Electrically-heated utensil. No. 1,060,263; Apr. 29; Gaz. vol. 189; p. 1140.
- Lamb, Joseph F., assignor to Landers, Frary & Clark, New Britain, Conn. Heating element. No. 1,060,264; Apr. 29; Gaz. vol. 189; p. 1141.
- Lamb, Joseph F., assignor to Landers, Frary & Clark, New Britain, Conn. Electrically-heated device. No. 1,060,265; Apr. 29; Gaz. vol. 189; p. 1141.
- Lamb, Joseph F., assignor to Landers, Frary & Clark, New Britain, Conn. Protective device for electrically-heated utensils. No. 1,060,266; Apr. 29; Gaz. vol. 189; p. 1141.
- Lamb, Joseph F., assignor to Landers, Frary & Clark, New Britain, Conn. Electrically-heated utensil. No. 1,060,267; Apr. 29; Gaz. vol. 189; p. 1142.
- Lamb, Joseph F., assignor to Landers, Frary & Clark, New Britain, Conn. Electrically-heated device. No. 1,060,268; Apr. 29; Gaz. vol. 189; p. 1142.
- Lamb, Joseph F., assignor to Landers, Frary & Clark, New Britain, Conn. Lunch-box. No. 1,061,386; May 13; Gaz. vol. 190; p. 316.
- Lamb, Joseph F., and J. F. Smart, assignors to Landers, Frary & Clark, New Britain, Conn. Sad-iron. No. 1,073,806; Sept. 23; Gaz. vol. 194; p. 828.
- Lamb, Joseph T., Baltimore, Md. Swimming appliance. No. 1,067,612; July 15; Gaz. vol. 192; p. 654.
- Lamb, Mark R., assignor to Allis-Chalmers Company, Milwaukee, Wis. Extracting sodium nitrate from raw material. No. 1,065,053; June 17; Gaz. vol. 191; p. 707.
- Lamb Railway Service Company, The. (See Lamb, Wilbert W., assignor.)
- Lamb, Sidney R., Woodcliff Lake, N. J. Calculating device. (Reissue.) No. 13,569; May 27; Gaz. vol. 190; p. 1000.
- Lamb, Thomas F., assignor to The American Bottle Company, Newark, Ohio. Bottle-handling device. No. 1,064,746; June 17; Gaz. vol. 191; p. 610.
- Lamb, Thomas F., assignor to The American Bottle Company, Newark, Ohio. Bottle-handling device. No. 1,080,984; Dec. 9; Gaz. vol. 197; p. 401.
- Lamb, Walter, Erie, Pa. Preparing a pork and cereal food. No. 1,063,358; June 3; Gaz. vol. 191; p. 64.
- Lamb, Wilbert W., Alhambra, Cal., assignor to The Lamb Railway Service Company, Cincinnati, Ohio. Track-cleaning machine. No. 1,061,549; May 13; Gaz. vol. 190; p. 375.
- Lambden, Frank W., Chicago, Ill. Means for controlling the flow and delivery of liquid for surgical, medicinal, and other purposes. No. 1,071,062; Aug. 26; Gaz. vol. 193; p. 778.
- Lambe, Austin C., Toronto, Ontario, Canada. Wheel. No. 1,058,764; Apr. 15; Gaz. vol. 189; p. 551.
- Lambert, Albert L., assignor to Hale and Kilburn Company, Philadelphia, Pa. Metallic window and door. No. 1,074,631; Oct. 7; Gaz. vol. 195; p. 15.
- Lambert, Alfred, St. Paul, Oreg. Peavey or cant-hook. No. 1,061,188; May 6; Gaz. vol. 190; p. 214.
- Lambert, Arthur E., North Powder, Oreg. Scalp-ionic comb. No. 1,065,814; June 24; Gaz. vol. 191; p. 1002.
- Lambert, Asher, Newark, N. J. Clutch-operating mechanism. No. 1,077,413; Nov. 4; Gaz. vol. 196; p. 62.
- Lambert, Frank, Chicago, Ill. Apparatus for granulating clay. No. 1,073,425; Sept. 16; Gaz. vol. 194; p. 675.
- Lambert, Frederick C., assignor of one-half to G. J. Koch, New York, N. Y. Attachment for dental pluggers. No. 1,073,995; Sept. 23; Gaz. vol. 194; p. 893.
- Lambert, Gerard B., New York, N. Y. Igniter. No. 1,072,961; Sept. 9; Gaz. vol. 194; p. 476.
- Lambert, Henry W., Stoughton, Mass. Shoe-jack. No. 1,071,440; Aug. 26; Gaz. vol. 193; p. 904.
- Lambert, Irvin C. (See Lavezzi, Samuel J., assignor.)
- Lambert, John W., assignor to The Buckeye Manufacturing Company, Anderson, Ind. Friction transmission mechanism. No. 1,061,759; May 13; Gaz. vol. 190; p. 446.
- Lambert, L. C., *et al.* (See Welch, Andrew H., assignor.)
- Lambert, Otto. (See Schrader, Anton, assignor.)
- Lambert, Richard A., Tacoma, Wash. Artificial fish-bait. No. 1,067,178; July 8; Gaz. vol. 192; p. 469.
- Lambeth, Edgar V., Birmingham, Ala. Lubricator. No. 1,063,437; Aug. 5; Gaz. vol. 193; p. 123.
- Lamboeuf, Charles, assignor to Société Alsacienne de Constructions Mécaniques, Belfort, France. Electrical regulating apparatus. No. 1,051,238; Jan. 21; Gaz. vol. 186; p. 723.
- Lambot, Albert, Brussels, Belgium. Automatic electric recording device. No. 1,072,474; Sept. 9; Gaz. vol. 194; p. 303.
- Lamiell, Earld H., assignor to The H. L. Hurst Manufacturing Company, Canton, Ohio. Adjustable spray-nozzle. No. 1,079,131; Nov. 18; Gaz. vol. 196; p. 716.
- Lamm, Calvin J. (See Yeager and Lamm.)
- Lamme, Benjamin G., Pittsburgh, Pa., assignor to Westinghouse Electric and Manufacturing Company. System of control for electric motors. No. 1,066,507; July 8; Gaz. vol. 192; p. 239.
- Lamme, Benjamin G., Pittsburgh, Pa., assignor to Westinghouse Electric and Manufacturing Company. Winding for dynamo-electric machines. No. 1,070,492; Aug. 19; Gaz. vol. 193; p. 555.
- Lamme, Benjamin G., Pittsburgh, assignor, by mesne assignments, to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Operating induction-motors. No. 1,074,125; Sept. 30; Gaz. vol. 194; p. 966.
- Lamme, Benjamin G., Pittsburgh, Pa., assignor to Westinghouse Electric and Manufacturing Company. Dynamo-electric machine. No. 1,082,532; Dec. 30; Gaz. vol. 197; p. 1020.
- Lamme, Chester E., *et al.* (See Head, Carlos S., assignor.)
- Lammon, Harry, Cleveland, Tex. Disk-harrow sharpener. No. 1,079,867; Nov. 25; Gaz. vol. 196; p. 1000.
- Lamon, Archie H., New Decatur, Ala. Agricultural implement. No. 1,070,493; Aug. 19; Gaz. vol. 193; p. 555.
- Lamont, James H., Soldiers Home, Cal. Automatic valve. No. 1,070,820; Aug. 19; Gaz. vol. 193; p. 664.
- Lamp, Karl F. W., Hamburg, Germany. Sheet-piling made of iron rolled into Z-form. No. 1,066,822; July 8; Gaz. vol. 192; p. 349.

Alphabetical list of patentees—Continued.

- Lampe, Otto, assignor to Firm of O. Zimmer Nachf., Königsberg, Germany. Spring-casing. No. 1,080,567; Dec. 9; Gaz. vol. 197; p. 257.
- Lampe, William C., Pittsburgh, Pa. Detachable tooth-facing for bridge and plate work. No. 1,070,494; Aug. 19; Gaz. vol. 193; p. 555.
- Lampel, Edward, San Francisco, Cal. Fly-trap. No. 1,066,630; July 8; Gaz. vol. 192; p. 283.
- Lamping, John F., Cincinnati, Ohio. Stop-cock and drain-valve. No. 1,067,259; July 15; Gaz. vol. 192; p. 534.
- Lample, John, Baltimore, Md. Gage for gas-cocks. No. 1,065,815; June 24; Gaz. vol. 191; p. 1002.
- Lamplough, Frederick. (See Charley and Lamplough.)
- Lamplough, Frederick, Willesden Junction, England. Valve-gear for internal-combustion engines. No. 1,081,051; Dec. 9; Gaz. vol. 197; p. 422.
- Lamplugh, Augustus R., assignor to M. L. Block, Philadelphia, Pa. Go-cart. No. 1,049,372; Jan. 7; Gaz. vol. 186; p. 18.
- Lamplugh, William, Levallois, Perret, France. Car-hood. No. 1,070,347; Aug. 12; Gaz. vol. 193; p. 462.
- Lampman, Herman W., La Grange, Ind. Lifting-jack. No. 1,064,076; June 10; Gaz. vol. 191; p. 344.
- Lampre, Celestin, Pittsburgh, Pa. Vehicle-wheel. No. 1,070,821; Aug. 19; Gaz. vol. 193; p. 664.
- Lamson Company, The. (See Amsden, George A., assignor.)
- Lamson Company, The. (See Batcheller, Birney C., assignor.)
- Lamson Company, The. (See Fordyce, Edmond A., assignor.)
- Lamson Company, The. (See Koehler, William H., assignor.)
- Lamson Company, The. (See Maclaren, James G., assignor.)
- Lamson Company, The. (See Miller, Charles J., assignor.)
- Lamson Company, The. (See Pearsall, Albert W., assignor.)
- Lamson Company, The. (See Wilson, Harry L., assignor.)
- Lancaster, Arthur Q., Windermere, Fla. Fruit-clipper. No. 1,066,925; July 8; Gaz. vol. 192; p. 385.
- Lancaster, Benjamin H., Chicago, Ill. Leaf-inserter. No. 1,052,067; Feb. 4; Gaz. vol. 187; p. 76.
- Lancaster, Corbon H. E., Centralia, Ill., assignor of one-fourth to H. J. Boeckman, one-fourth to W. M. Morgan, and one-fourth to C. A. Paul, Vincennes, Ind. Stove attachment. No. 1,051,337; Jan. 21; Gaz. vol. 186; p. 757.
- Lancaster, Francis W., Flippin, Ark. Apparatus for paring and pitting fruit. No. 1,062,406; May 20; Gaz. vol. 190; p. 703.
- Lancaster, George W., Richmond, Va., assignor to Universal Screen & Blind Company, Incorporated. Window-shutter-closing device. No. 1,081,842; Dec. 16; Gaz. vol. 197; p. 725.
- Lancaster, Harris E., Adamsville, Tex. Harrow attachment for cultivators. No. 1,079,566; Nov. 25; Gaz. vol. 196; p. 894.
- Lance, Ora L., Corvallis, Oreg. Automatic railway-switch. No. 1,058,374; Apr. 8; Gaz. vol. 189; p. 382.
- Lance, Robert D., La Garenne-Colombes, assignor to P. Ferrere, Paris, France. Apparatus for the manufacture of metallic zinc. No. 1,059,307; Apr. 15; Gaz. vol. 189; p. 740.
- Lancey, Roswell A., Townsend, Mass., assignor, by mesne assignments, to J. Spaulding & Sons Company, Rochester, N. H. Counter-cutting machine. No. 1,054,216; Feb. 25; Gaz. vol. 187; p. 925.
- Lancia, Vincenzo, Turin, Italy. Change-speed gearing for motor-cars. No. 1,056,804; Mar. 25; Gaz. vol. 188; p. 827.
- Land, Frank, Richmond, assignor, by mesne assignments, to M. Rumely Company, Laporte, Ind. Controlling means for transmission mechanism. No. 1,050,957; Jan. 21; Gaz. vol. 186; p. 629.
- Land, Willie E., Norfolk, Va. Fertilizer-distributer. No. 1,058,375; Apr. 8; Gaz. vol. 189; p. 382.
- Landaal, Henry N., Horicon, Wis. Junction-box. No. 1,055,922; Mar. 11; Gaz. vol. 188; p. 461.
- Landé, Cecile, New York, N. Y. Nut-butter. No. 1,070,143; Aug. 12; Gaz. vol. 193; p. 392.
- Landerholm, Claus A., Phillips, Nebr. Bag-lock. No. 1,080,286; Dec. 2; Gaz. vol. 197; p. 129.
- Landers, Charles S., New London, Conn. Splice-bar. No. 1,063,044; May 27; Gaz. vol. 190; p. 955.
- Landers, David B., Hollywood, Cal. Funnel. No. 1,083,107; Dec. 30; Gaz. vol. 197; p. 1219.
- Landers, Frary & Clark. (See Carlson, Frederick E., assignor.)
- Landers, Frary & Clark. (See Lamb, Joseph F., assignor.)
- Landers, Frary & Clark. (See Lamb and Smart, assignors.)
- Landers, Frary & Clark. (See Moberg and Lamb, assignors.)
- Landers, Frary and Clark. (See Spellman and Twigg, assignors.)
- Landers, Frary and Clark. (See Walker, George, assignor.)
- Landers, Frary & Clark. (See Warner, Alonzo A., assignor.)
- Landes, Isaiiah C. and M. C., Yerkes, Pa. Mill. No. 1,051,338; Jan. 21; Gaz. vol. 186; p. 757.
- Landes, Louis E., Los Angeles, Cal. Lock for motor-vehicle steering-wheels. No. 1,055,923; Mar. 11; Gaz. vol. 188; p. 461.
- Landes, Milton C. (See Landes, Isaiiah C. and M. C.)
- Landfair, John M., Black Lick, Pa. Window-screen. No. 1,073,426; Sept. 16; Gaz. vol. 194; p. 675.
- Landgrebe, Karl, and M. W. Johnson, Jr., Birmingham, Ala. Chimney-valve for blast-furnace stoves. No. 1,056,106; Mar. 18; Gaz. vol. 188; p. 559.
- Landin, Carl J., Boston, Mass. Clamping device. No. 1,080,013; Dec. 2; Gaz. vol. 197; p. 32.
- Landin, Carl J., Boston, assignor to Boston Woven Hose and Rubber Company, Cambridge, Mass. Machine for covering circular objects. No. 1,053,408; Feb. 18; Gaz. vol. 187; p. 612.
- Landine, Peter N., assignor to The Rostand Manufacturing Company, Milford, Conn. Baggage-rack. No. 1,050,667; Jan. 14; Gaz. vol. 186; p. 493.
- Landine, Peter N., assignor to The Rostand Manufacturing Company, Milford, Conn. Baggage-rack. No. 1,069,620; Aug. 5; Gaz. vol. 193; p. 183.
- Landis, David D., Oberlin, Ohio, assignor of one-third to S. S. Bricker and one-third to B. B. Bricker, Philadelphia, Pa. Burial device. No. 1,078,929; Nov. 18; Gaz. vol. 196; p. 645.
- Landis, Frank F., Waynesboro, Pa. Artificial-stone building-block. No. 1,064,498; June 10; Gaz. vol. 191; p. 490.
- Landis, Frank F., Waynesboro, Pa. Valve. No. 1,071,759; Sept. 2; Gaz. vol. 194; p. 31.
- Landis Machine Company. (See Fisher, Henry L., assignor.)
- Landis Tool Company. (See Shearer, Harry T., assignor.)
- Landis Tool Company. (See Steiner, Ulrich, assignor.)
- Landis, Walter S. (See Richards and Landis.)
- Landolt, Charles F., assignor of one-third to A. H. Schaffert and one-third to E. Kirner, Youngstown, Ohio. Guard for emery-wheels. No. 1,079,180; Nov. 18; Gaz. vol. 196; p. 733.
- Landon, Samuel S., East Orange, N. J. Building. No. 1,066,291; July 1; Gaz. vol. 192; p. 138.
- Landrin, Marcel, Soissons, France. Automobile cultivator with rotatively-driven cultivating-disks. No. 1,055,765; Mar. 11; Gaz. vol. 188; p. 410.
- Landry, Louis H., assignor of one-eighth to U. Larocque and one-half to S. B. Taft, Uxbridge, Mass., and one-eighth to L. and T. Bousquet, Burrillville, R. I. Smash-protector. No. 1,071,244; Aug. 26; Gaz. vol. 193; p. 839.
- Landry, Louis H., assignor of one-eighth to U. Larocque and one-half to S. B. Taft, Uxbridge, Mass., and one-eighth to L. and T. Bousquet, Burrillville, R. I. Loom. No. 1,071,245; Aug. 26; Gaz. vol. 193; p. 839.
- Landry, Pierre P. (See Le Blanc and Landry.)
- Landry, Pierre P. (See Le Blanc, Landry, and Poché.)
- Landsberg, Alexander. (See Cohen and Landsberg.)
- Landsiedel, Harry, Poplar Bluff, assignor to Dalton Adding Machine Company, St. Louis, Mo. Recording-machine. No. 1,054,356; Feb. 25; Gaz. vol. 187; p. 971.
- Landsiedel, Harry, Poplar Bluff, assignor to Dalton Adding Machine Company, St. Louis, Mo. Tabulating mechanism. No. 1,078,357; Nov. 11; Gaz. vol. 196; p. 417.
- Landsiedel, Harry, Poplar Bluff, assignor to Dalton Adding Machine Company, St. Louis, Mo. Adding-machine. No. 1,078,358; Nov. 11; Gaz. vol. 196; p. 418.
- Landsiedel, Harry, Poplar Bluff, assignor to Dalton Adding Machine Company, St. Louis, Mo. Adding and recording machine. No. 1,078,359; Nov. 11; Gaz. vol. 196; p. 418.
- Lane, Albert. (See Ferman and Lane.)
- Lane, Alfred M., assignor to Monarch Metal Weather Strip Company, St. Louis, Mo. Weather-strip for metal-window constructions. No. 1,049,373; Jan. 7; Gaz. vol. 186; p. 19.
- Lane Brothers Company. (See Lane, George, assignor.)
- Lane, Charles C., assignor to Lane Mill and Machinery Company, Los Angeles, Cal. Slow-speed Chilean mill. No. 1,082,960; Dec. 30; Gaz. vol. 197; p. 1171.
- Lane, Charles W., Madrid, N. Y. Artificial-fish bait. No. 1,068,908; July 29; Gaz. vol. 192; p. 1173.
- Lane, Elmer E., Beverly, Mass., assignor to United Shoe Machinery Company, Paterson, N. J. Buffing-machine. No. 1,078,050; Nov. 11; Gaz. vol. 196; p. 309.
- Lane, Ernest R., Amarilla, Tex. Automatic mail-crane. No. 1,075,921; Oct. 14; Gaz. vol. 195; p. 486.
- Lane, Frederick G., Los Angeles, Cal. Kitchen-sink. No. 1,071,324; Aug. 26; Gaz. vol. 193; p. 865.
- Lane, George, Poughkeepsie, N. Y., assignor to Lane Brothers Company. Grinding-mill. No. 1,062,481; May 20; Gaz. vol. 190; p. 727.
- Lane, George, Poughkeepsie, N. Y., assignor to Lane Brothers Company. Yielding driving connection. No. 1,063,808; June 3; Gaz. vol. 191; p. 220.
- Lane, George E., Ellendale, N. D. Life-boat. No. 1,063,045; May 27; Gaz. vol. 190; p. 955.

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- Lane, George S., Portland, Oreg. Pneumatic pump. No. 1,067,613; July 15; Gaz. vol. 192; p. 654.
- Lane, Howard, Birmingham, England, assignor to Internationale Wasserstoff Aktiengesellschaft, Frankfurt-on-the-Main, Germany. Production of hydrogen. No. 1,078,686; Nov. 18; Gaz. vol. 196; p. 561.
- Lane, John D., Cambridge, Mass. Shoe-horn. No. 1,081,391; Dec. 16; Gaz. vol. 197; p. 575.
- Lane, John P. H., Harriman, Tenn. Detachable basket-frame. No. 1,073,691; Sept. 23; Gaz. vol. 194; p. 790.
- Lane, Joseph, and J. Rolston, Minneapolis, Minn.; said Rolston assignor to said Lane. Flushing-valve for elevated water-tanks. No. 1,068,349; July 22; Gaz. vol. 192; p. 939.
- Lane Manufacturing Company. (See Pullon, Charles H., assignor.)
- Lane Mill and Machinery Company. (See Lane, Charles C., assignor.)
- Lane, Nathan C., Philadelphia, Pa. Pipe-coupling. No. 1,062,015; May 20; Gaz. vol. 190; p. 571.
- Lane, Percy E., and W. McCarthy, New York, N. Y. Protecting device for workmen upon elevator-cages. No. 1,070,617; Aug. 19; Gaz. vol. 193; p. 596.
- Lane, Robert H., Kansas City, Kans. Heel-protector. No. 1,068,505; July 29; Gaz. vol. 192; p. 1031.
- Lane, Victor E., Brooklyn, N. Y. Spring-wheel. No. 1,052,350; Feb. 4; Gaz. vol. 187; p. 172.
- Lane, William J., Youngstown, Ohio. Demountable rim. No. 1,067,744; July 15; Gaz. vol. 192; p. 699.
- Lanes, Samuel, Brooklyn, N. Y. Folding bed. No. 1,071,441; Aug. 26; Gaz. vol. 193; p. 904.
- Lanes, Samuel, and O. Rudich, Brooklyn, N. Y. Divanette. No. 1,077,842; Nov. 4; Gaz. vol. 196; p. 205.
- Laney, John H., Savannah, Mo. Railway-switch. No. 1,064,499; June 10; Gaz. vol. 191; p. 490.
- Lanford, Earl W., Spartanburg, S. C. Sheet operating and display mechanism. No. 1,075,293; Oct. 7; Gaz. vol. 195; p. 245.
- Lang, Albert, Karlsruhe, Germany. Treatment of the surfaces of articles of aluminum. No. 1,077,480; Nov. 4; Gaz. vol. 196; p. 85.
- Lang, Albert, Karlsruhe, assignor to H. F. von Seldeneck, Frankfurt-on-the-Main, Germany. Protecting iron from rust. No. 1,082,161; Dec. 23; Gaz. vol. 197; p. 859.
- Lang, Charles C., *et al.* (See Schrier, Adolph B., assignor.)
- Lang, Charles E., Sebastapol, Cal. Foot-rest and shoe-clamp. No. 1,073,807; Sept. 23; Gaz. vol. 194; p. 829.
- Lang, Charles W., assignor to Savage Arms Company, Utica, N. Y. Firearm. No. 1,082,961; Dec. 30; Gaz. vol. 197; p. 1172.
- Lang, Edward M., Jr., Portland, Me. Can for preserving food products. No. 1,056,914; Mar. 25; Gaz. vol. 188; p. 865.
- Lang, Fred N., Bayfield, Wis. Adhesive plaster. No. 1,081,392; Dec. 16; Gaz. vol. 197; p. 575.
- Lang, George H., Boston, Mass. Leather-marking machine. No. 1,065,257; June 17; Gaz. vol. 191; p. 775.
- Lang, Howard W., Litchfield, Nebr. Spring-wheel. No. 1,059,882; Apr. 22; Gaz. vol. 189; p. 967.
- Lang, John, Hazleton, Pa. Rotary pump. No. 1,052,930; Feb. 11; Gaz. vol. 187; p. 404.
- Lang, John E., Washington, Pa. Sealing device for wrappers. No. 1,058,069; Apr. 8; Gaz. vol. 189; p. 274.
- Lang, Joseph, Mannheim, Germany. Iron staircase with flagstone stairs. No. 1,073,250; Sept. 16; Gaz. vol. 194; p. 613.
- Lang, Mark, Taft, Cal. Pump. No. 1,075,658; Oct. 14; Gaz. vol. 195; p. 396.
- Lang, William J. (See Brady, William B., assignor.)
- Langbein, Gustave, assignor to F. W. Klinger & Langbein Co., Philadelphia, Pa. Leaf or pocket for fly-books. No. 1,076,894; Oct. 28; Gaz. vol. 195; p. 907.
- Langan, Edward T., Chicago, Ill. Cover for dispensing-jars. No. 1,079,942; Dec. 2; Gaz. vol. 197; p. 7.
- Langan, William B., Hawley, Pa. Bottle-stopper. No. 1,057,066; Mar. 25; Gaz. vol. 188; p. 918.
- Langdon, Claude A., Harrisburg, Pa. Railway-switch. No. 1,049,736; Jan. 7; Gaz. vol. 186; p. 142.
- Langdon, Claude A., Harrisburg, Pa. Railway-switch. No. 1,049,737; Jan. 7; Gaz. vol. 186; p. 143.
- Lange, Albert. (See Fuller and Lange.)
- Lange, Arthur H. (See Parker, Lange, and Perazio.)
- Lange, Eugen, Paris, France. Supporter for stockings, trousers, and the like. No. 1,082,345; Dec. 23; Gaz. vol. 197; p. 926.
- Lange, Felix, assignor to T. Goldschmidt, Essen-on-the-Ruhr, Germany. Apparatus for alining rail ends. No. 1,049,738; Jan. 7; Gaz. vol. 186; p. 143.
- Lange, Felix, assignor to T. Goldschmidt, Essen-on-the-Ruhr, Germany. Apparatus for alining rail ends. No. 1,050,063; Jan. 7; Gaz. vol. 186; p. 253.
- Lange, Ferdinand H., Jr., Wilkes-Barre, Pa. Sliding-door hanger. No. 1,054,357; Feb. 25; Gaz. vol. 187; p. 972.
- Lange, Gustav J., Eau Claire, Wis. Separating device. No. 1,050,471; Jan. 14; Gaz. vol. 186; p. 428.
- Lange, Gustav J., Eau Claire, Wis. Bean-bulling device. No. 1,067,745; July 15; Gaz. vol. 192; p. 700.
- Lange, Herman H., Appleton, Wis. Pattern for skimgates. No. 1,049,877; Jan. 7; Gaz. vol. 186; p. 190.
- Lange, Werner. (See Herzberg and Lange.)
- Lange, William, Tompkins Cove, assignor of one-half to C. Tompkins, New York, N. Y. Stone washer and separator. No. 1,079,132; Nov. 18; Gaz. vol. 196; p. 716.
- Lange, William, Tompkins Cove, assignor of one-half to C. Tompkins, New York, N. Y. Screening-tray for stone washers and separators. No. 1,079,133; Nov. 18; Gaz. vol. 196; p. 717.
- Langenegger, Albert U. (See Norton and Langenegger.)
- Langenegger, Albert U. (See Norton and Langenegger.) (Reissue.)
- Langer, Gotthold L., San Francisco, assignor of seventy-five one-hundredths to B. F. Durphy, Oakland, Cal. Package-forming machine. No. 1,052,006; Feb. 4; Gaz. vol. 187; p. 56.
- Langerak, Meyer, Knoxville, Iowa. Shoe. No. 1,081,678; Dec. 16; Gaz. vol. 197; p. 667.
- Langguth, Erich, Neerpelt, Belgium. Electromagnetic separator. No. 1,076,213; Oct. 21; Gaz. vol. 195; p. 613.
- Langguth, Erich, Neerpelt, Belgium. Treating ores. No. 1,078,360; Nov. 11; Gaz. vol. 196; p. 418.
- Langhammer, Ernst G., *et al.* (See Dippel, Charles F., assignor.)
- Langill, Charles H., Boston, Mass. Attachment for lifeboats. No. 1,081,679; Dec. 16; Gaz. vol. 197; p. 667.
- Langille, Paul W., Lunenburg, Nova Scotia, Canada. Hose-coupling. No. 1,070,822; Aug. 19; Gaz. vol. 193; p. 664.
- Langjahr, William A., Plymouth, Wis. Spring-rim for wheels. No. 1,063,359; June 3; Gaz. vol. 191; p. 64.
- Langlet, Nils A., Gottenborg, Sweden. Precipitating ulmic compounds from the black liquors of soda pulp-mills. No. 1,062,016; May 20; Gaz. vol. 190; p. 571.
- Langley, Edward H. M., and E. W. Price, Aston, Birmingham, assignors to The Electric & Ordnance Accessories Company, Limited, Birmingham, England. Electric-circuit-controlling apparatus for train-lighting and similar systems. No. 1,079,013; Nov. 18; Gaz. vol. 196; p. 675.
- Langley, Eugene, San Antonio, Tex. Bilge-water discharger. No. 1,072,398; Sept. 2; Gaz. vol. 194; p. 247.
- Langley, James T., Portland, and E. Thomas, La Grande, Oreg. Gate-cock. No. 1,051,899; Feb. 4; Gaz. vol. 187; p. 18.
- Langley, John E., Charleston, S. C. Shower-bath apparatus. No. 1,054,572; Feb. 25; Gaz. vol. 187; p. 1044.
- Langlois, Marc, Pont-l'Évêque, France. Stopping and pouring device for bottles inclosing gaseous beverages. No. 1,060,464; Apr. 29; Gaz. vol. 189; p. 1211.
- Langman, Max, New York, N. Y. Garment. No. 1,076,586; Oct. 21; Gaz. vol. 195; p. 745.
- Langner, John L. (See Rosenkranz and Langner.)
- Langos, Otto A. (See Fleming and Langos.)
- Langrehr, Karl, Düstrop, near Osnabrück, Germany. Safety filling and emptying device. No. 1,051,128; Jan. 21; Gaz. vol. 186; p. 688.
- Langsdorff, Joseph, Jersey City, N. J., and L. Krug, New York, N. Y. High-pressure valve. No. 1,068,909; July 29; Gaz. vol. 192; p. 1173.
- Langston, Liner B., *et al.* (See Day, Harry L., assignor.)
- Langston, Samuel M., Camden, N. J. Box-covering machine. No. 1,054,427; Feb. 25; Gaz. vol. 187; p. 997.
- Langston, Thomas J., Johnston, S. C. Oil-burner. No. 1,050,031; Jan. 7; Gaz. vol. 186; p. 242.
- Langton, Charles S., Olney, Ill. Mowing-machine. No. 1,053,834; Feb. 18; Gaz. vol. 187; p. 756.
- Langworthy, Arthur M., New York, N. Y. Dice-throwing device. No. 1,054,694; Mar. 4; Gaz. vol. 188; p. 13.
- Lanham, James, Owings Mills, Md. Snap-hook for mail-crane. No. 1,065,693; June 24; Gaz. vol. 191; p. 963.
- Lanham, Paul, Lanham, Md. Recording-meter. No. 1,075,427; Oct. 14; Gaz. vol. 195; p. 317.
- Lanier, Edward H., Cincinnati, Ohio. Apparatus for and method of making pastry shells. No. 1,063,981; June 10; Gaz. vol. 191; p. 311.
- Lanigan, James F., Jr., Lawrence, Mass. Motor-drive for Jordan engines. No. 1,060,911; May 6; Gaz. vol. 190; p. 121.
- Lankford, Orville D., Brooklyn, N. Y. Burglar-alarm. No. 1,062,482; May 20; Gaz. vol. 190; p. 728.
- Lanning, Charles D., Boston, Mass. System for the transmission of electrical energy. No. 1,053,098; Feb. 11; Gaz. vol. 187; p. 462.
- Lanning, Charles D., Boston, Mass. Current-transmitting instrument. No. 1,073,692; Sept. 23; Gaz. vol. 194; p. 790.
- Lanning, Howard H. (See Jacobs and Lanning.)
- Lanning, James K. (See Cuniff, John V., assignor.)
- Lanning, James K. (See Lowe, John, assignor.)
- Lanning, James K. (See Webster, Charles B., assignor.)
- Lanning, William H., Jr., Toledo, Ohio. Adjustable eccentric. No. 1,073,148; Sept. 16; Gaz. vol. 194; p. 576.
- Lannon, Eduard T. (See Stoll, Louis M., assignor.)
- Lanoue, John B., Troy, assignor of one-half to C. H. White, Cohoes, N. Y. Medicine-cabinet. No. 1,071,760; Sept. 2; Gaz. vol. 194; p. 32.
- Lanpbear, Curtis C., Miles City, Mont. Stamp-affixing machine. No. 1,079,567; Nov. 25; Gaz. vol. 196; p. 895.

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- Lausden, John M., Jr., New York, N. Y., assignor, by mesne assignments, to The Aristos Company. Shock-absorber. No. 1,066,738; July 8; Gaz. vol. 192; p. 322.
- Lansingh, Van Rensselaer, New York, N. Y. Heater. No. 1,058,988; Apr. 15; Gaz. vol. 189; p. 631.
- Lanston Monotype Machine Company. (See Bancroft and Indahl, assignors.)
- Lanston Monotype Machine Company. (See Booth, Joseph B. S., assignor.)
- Lanston Monotype Machine Company. (See Pierpont, Frank H., assignor.)
- Lanston Monotype Machine Company. (See Sally, Frank, assignor.)
- Lantagne, Joseph, Pawtucket, R. I. Refrigerator showcase. No. 1,058,606; Apr. 8; Gaz. vol. 189; p. 459.
- Lantz, Charles J., Gowrie, Iowa. Nut-lock. No. 1,081,239; Dec. 9; Gaz. vol. 197; p. 483.
- Lanz, Firm of Heinrich. (See Fuhr, Adam, assignor.)
- Lanz, Firm of Heinrich. (See Seck, Karl H. W. L., assignor.)
- Lanzagorta, Bernardo. (See Bejar and Lanzagorta.)
- Lanzit, Joseph J. (See Welter, William F., assignor.)
- Lapacek, Joseph T., Schuyler, Nebr. Hinge. No. 1,061,678; May 13; Gaz. vol. 190; p. 420.
- Lapertot, Pierre, and A. Fayard, St. Etienne, France. Hub for detachable wheels. No. 1,057,561; Apr. 1; Gaz. vol. 189; p. 56.
- Lapham, Martin A., Springfield, Mo. Device for preventing and treatment of constipation and piles. No. 1,051,129; Jan. 21; Gaz. vol. 186; p. 688.
- Lapham, Paul J., Genoa, Ill., assignor to Lacene Manufacturing Company, Manchester, N. H. Leather-skiing machine. No. 1,050,218; Jan. 14; Gaz. vol. 186; p. 338.
- Lapidus, Isaac, Brooklyn, N. Y. Lock. No. 1,076,587; Oct. 21; Gaz. vol. 195; p. 745.
- Lapish, Charles L., Pittsburgh, Pa. Folding box and crate. No. 1,082,274; Dec. 23; Gaz. vol. 197; p. 901.
- Lapke, August. (See Lapke, Joseph and A.)
- Lapke, Joseph and A., Chicago, Ill. Hay-press. No. 1,050,032; Jan. 7; Gaz. vol. 186; p. 242.
- Laplant, Frank, Syracuse, N. Y. Dial test-indicator. No. 1,056,186; Mar. 18; Gaz. vol. 188; p. 586.
- Laplant, Jed, Malone, N. Y. Spoke-extractor. No. 1,051,600; Jan. 28; Gaz. vol. 186; p. 881.
- Lapointe, Francis J., Hudson, Mass., assignor to The J. N. Lapointe Co., New London, Conn. Key-seat-broaching machine. No. 1,073,251; Sept. 16; Gaz. vol. 194; p. 614.
- Lapp, John C., Newark, N. J. Locking device for clasps. No. 1,059,051; Apr. 15; Gaz. vol. 189; p. 653.
- Lappage, Thomas E., Birmingham, Ala. Smoke-consumer. No. 1,069,270; Aug. 5; Gaz. vol. 193; p. 64.
- Lappe, Charles H., Pittsburgh, Pa. Tire. No. 1,070,044; Aug. 12; Gaz. vol. 193; p. 358.
- Lappe, Franz. (See Bosch and Lappe.)
- Lappen, James E., Le Roy, assignor to Union Fibre Company, Winona, Minn. Machine for manufacturing heat-insulating sheets from flax fiber. No. 1,056,915; Mar. 25; Gaz. vol. 188; p. 865.
- Lappen, James E., assignor to Union Fibre Company, Winona, Minn. Machine for making tubes from fibrous material. No. 1,079,774; Nov. 25; Gaz. vol. 196; p. 968.
- Lapsley, Howard G., Plainfield, N. J. Snow-melting device. No. 1,073,427; Sept. 16; Gaz. vol. 194; p. 676.
- Larabee, Frederick D. (See Brewer, Harry W., assignor.)
- Laridon, Louise B., New York, N. Y. Collar-supporter. No. 1,060,847; May 6; Gaz. vol. 190; p. 98.
- Larimer, James I. (See Dyblie, Julius A., assignor.)
- Larimer, William J., Kansas City, Kans. Oil-burner. No. 1,072,624; Sept. 9; Gaz. vol. 194; p. 354.
- Larimore, John W., Springfield, Ill. Acetylene-lamp. No. 1,053,186; Feb. 18; Gaz. vol. 187; p. 534.
- Larison, Alonzo W., Lincoln, Ill. Trap. No. 1,067,526; July 15; Gaz. vol. 192; p. 625.
- Larison, Alonzo W., and J. Stuckel, Lincoln, Ill.; said Larison assignor to said Stuckel. Pipe. No. 1,082,030; Dec. 23; Gaz. vol. 197; p. 817.
- Larkin, Edwin J. (See Clark and Larkin.)
- Larkin, Edwin J., assignor to Airless Tube Filler Company, New Orleans, La. Printer's roller composition and making the same. No. 1,049,878; Jan. 7; Gaz. vol. 186; p. 190.
- Larkin, Walter, Emmett, Idaho. Mail-box holder. No. 1,053,835; Feb. 18; Gaz. vol. 187; p. 756.
- Larmon, Charles R. (See Larmon, Porter M. and C. R.)
- Larmon, Porter M. and C. R., Elkton, Ky. Hill-forming mechanism for planters and fertilizer-distributors. No. 1,059,052; Apr. 15; Gaz. vol. 189; p. 633.
- Larmuth, William O. (See Davidson and Larmuth.)
- Larmuth, William O., Salford, England. Wire-stranding machine. No. 1,073,052; Sept. 9; Gaz. vol. 194; p. 508.
- Larnce, John B., assignor of one-half to S. L. Townsend and A. R. Keith, Beaumont, Tex. Boring-bit. No. 1,063,982; June 10; Gaz. vol. 191; p. 312.
- Laro, Delmus L., Sioux City, Iowa. Towel and clothes rack. No. 1,060,193; Apr. 29; Gaz. vol. 189; p. 1115.
- Laroche, Olivier, and M. L. N. Tucker, assignors to Lawrence Manufacturing Company, Lowell, Mass. Knitting-machine. No. 1,082,881; Dec. 30; Gaz. vol. 197; p. 1144.
- Larocque, Nazaire E., Worcester, Mass. Tooth-brush attachment. No. 1,062,480; May 20; Gaz. vol. 190; p. 727.
- Larocque, Udgil, et al. (See Landry, Louis H., assignor.)
- Larosch, John P., Wilmington, Del. Music-leaf turner. No. 1,057,853; Apr. 1; Gaz. vol. 189; p. 158.
- Larose, Theophile, assignor of one-half to G. Villere, Labadieville, La. Plant-cane shaver and grass-scraper. No. 1,058,607; Apr. 8; Gaz. vol. 189; p. 459.
- Larrabee, William H., assignor to Union Water Meter Company, Worcester, Mass. Water-meter. No. 1,057,854; Apr. 1; Gaz. vol. 189; p. 158.
- Larsen, Aksel J., Brooklyn, N. Y. Steam-hammer. No. 1,063,360; June 3; Gaz. vol. 191; p. 64.
- Larsen, Andru, Chicago, Ill. Hoof-pad. No. 1,078,204; Nov. 11; Gaz. vol. 196; p. 362.
- Larsen, Axel L., St. Paul, Minn. Poison-bottle. No. 1,080,464; Dec. 2; Gaz. vol. 197; p. 191.
- Larsen, Daniel L., Duluth, Minn. Rifle-cleaning table. No. 1,062,922; May 27; Gaz. vol. 190; p. 915.
- Larsen, Hans L., Chicago, Ill. Oil-can. No. 1,074,440; Sept. 30; Gaz. vol. 194; p. 1070.
- Larsen, Hans L., Chicago, Ill. Fountain-brush. No. 1,081,680; Dec. 16; Gaz. vol. 197; p. 667.
- Larsen, Jacob, Chicago, Ill. Sash-lock. No. 1,081,538; Dec. 16; Gaz. vol. 197; p. 624.
- Larsen, John, Goldfield, Iowa. Stacker. No. 1,052,068; Feb. 4; Gaz. vol. 187; p. 77.
- Larsen, John C., Velva, N. D. Animal-trap. No. 1,058,873; Apr. 15; Gaz. vol. 189; p. 591.
- Larsen, Lars, Goldfield, Nev. Folding umbrella. No. 1,055,924; Mar. 11; Gaz. vol. 188; p. 461.
- Larsen, Lars H. (See Rowland and Larsen.)
- Larsen, Louis P. (See Kolby, Larsen, and Neilsen.)
- Larsen, Olaf. (See Valerius and Larsen.)
- Larson, Adolph, and F. G. Hogland, assignors to National Lock Company, Rockland, Ill. Mortising-machine. No. 1,067,928; July 22; Gaz. vol. 192; p. 794.
- Larson, Albert, Lapine, Oreg. Harrow. No. 1,051,739; Jan. 23; Gaz. vol. 186; p. 926.
- Larson, Caleb M., et al. (See Edman, John, assignor.)
- Larson, Charles A., Highland Park, assignor to Kellogg Switchboard & Supply Company, Chicago, Ill. Signaling system. No. 1,067,527; July 15; Gaz. vol. 192; p. 625.
- Larson, Charles H., New York, N. Y. Electrical appliance for actuating and controlling dumb-waiters. No. 1,057,383; Mar. 25; Gaz. vol. 188; p. 1024.
- Larson, David, Yonkers, N. Y., assignor to Otis Elevator Company, Jersey City, N. J. Safety slow-down and stop motion for electric elevators. No. 1,058,308; Apr. 8; Gaz. vol. 189; p. 357.
- Larson, David, Yonkers, N. Y., assignor to Otis Elevator Company, Jersey City, N. J. Armature-lever pivot for alternating-current magnets. No. 1,062,017; May 20; Gaz. vol. 190; p. 572.
- Larson, David, Yonkers, N. Y., assignor to Otis Elevator Company, Jersey City, N. J. Alternating-current-motor control. No. 1,066,739; July 8; Gaz. vol. 192; p. 323.
- Larson, David, Yonkers, N. Y., assignor to Otis Elevator Company, Jersey City, N. J. Alternating-current-motor control. No. 1,081,681; Dec. 16; Gaz. vol. 197; p. 668.
- Larson, Evan, assignor to Kinney-Rome Company, Chicago, Ill. Bed-frame corner construction. No. 1,075,922; Oct. 14; Gaz. vol. 195; p. 486.
- Larson, Frank P., Plainview, Nebr. Tire-chain. No. 1,069,885; Aug. 12; Gaz. vol. 193; p. 304.
- Larson, Gustave, Buenos Aires, Argentina. Cross-hung self-balancing sluice or valve gate. No. 1,075,428; Oct. 14; Gaz. vol. 195; p. 317.
- Larson, Halfdan. (See Sunvold and Larson.)
- Larson, John A., Tacoma, Wash. Horseshoe. No. 1,071,162; Aug. 26; Gaz. vol. 193; p. 810.
- Larson, John M., assignor to National Regulator Company, Chicago, Ill. Temperature-regulating apparatus. No. 1,058,874; Apr. 15; Gaz. vol. 189; p. 591.
- Larson, John W., Grand Island, Nebr. Sign. No. 1,069,150; Aug. 5; Gaz. vol. 193; p. 20.
- Larson, Lars A., Elgin, Ill. Combined leveler and weed-gatherer for cultivators. No. 1,061,387; May 13; Gaz. vol. 190; p. 317.
- Larson, Lawrence S., Toledo, Ohio. Indicator. No. 1,081,843; Dec. 16; Gaz. vol. 197; p. 726.
- Larson, Louis A., Minneapolis, Minn. Thermostat for controlling furnaces. No. 1,069,438; Aug. 5; Gaz. vol. 193; p. 123.
- Larson, Louis A., Osakis, Minn. Wagon-seat. No. 1,074,960; Oct. 7; Gaz. vol. 195; p. 126.
- Larson, Louis H., Santiago, Minn. Cow-stall attachment. No. 1,050,958; Jan. 21; Gaz. vol. 186; p. 629.
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- Larsson, Thure, assignor to himself and F. A. Jones, Worcester, Mass., and W. E. D. Stokes, New York, N. Y. Plunger hydraulic elevator. (Reissue.) No. 13,512; Jan. 14; Gaz. vol. 186; p. 533.
- Larsson, Thure, Worcester, Mass., assignor to himself, W. E. D. Stokes, New York, N. Y., and F. A. Jones, Worcester, Mass. Elevator-valve mechanism. No. 1,082,882; Dec. 30; Gaz. vol. 197; p. 1144.
- Lary, Morris, Syracuse, N. Y. Floor polisher and sweeper. No. 1,081,240; Dec. 9; Gaz. vol. 197; p. 484.
- Lasares, George C., Springfield, Mass. Toy pistol. No. 1,050,959; Jan. 21; Gaz. vol. 186; p. 630.
- Lasares, George C., assignor of one-half to L. E. White, Springfield, Mass. Toy pistol. No. 1,080,701; Dec. 9; Gaz. vol. 197; p. 302.
- Lasater, Newton A., Mulberry, Ark. Harrow attachment to cultivators. No. 1,053,302; Feb. 18; Gaz. vol. 187; p. 574.
- Lasauce, Henry M. (See Bjurlund, Johan F., assignor.)
- Lasby, Edwin W., St. Louis, Mo. Food compound. No. 1,060,912; May 6; Gaz. vol. 190; p. 121.
- Lash, Horace W. (See Wellman and Lash.)
- Lash, Horace W., Cleveland, Ohio, assignor to The West Coast Iron Company, San Francisco, Cal. Making pig-iron from steel-scrap. No. 1,061,189; May 6; Gaz. vol. 190; p. 214.
- Lash, Horace W., assignor to The Liquid Forged Steel Company, Cleveland, Ohio. Making dense steel ingots. No. 1,061,760; May 13; Gaz. vol. 190; p. 446.
- Lashar, Walter B., Bridgeport, Conn. Chain. No. 1,074,632; Oct. 7; Gaz. vol. 195; p. 16.
- Lasher, David F., Orange, Tex. Refining and purifying oils. No. 1,075,481; Oct. 14; Gaz. vol. 195; p. 336.
- Laska, August L., and E. J. Rath, Offenbach-on-the-Main, assignors to Chemische Fabrik Griesheim-Elektron, Frankfurt-on-the-Main, Germany. Vat dyestuff. No. 1,079,568; Nov. 25; Gaz. vol. 196; p. 895.
- Laskey, Walden L., assignor to American Can Company, New York, N. Y. Slip-cover can. No. 1,073,859; Sept. 23; Gaz. vol. 194; p. 846.
- Lasky, Charles, and S. M. Kreisman, St. Louis, Mo. Washboard. No. 1,066,022; July 1; Gaz. vol. 192; p. 41.
- Lasley, Charles M., Monroe City, Mo. Ironing-table. No. 1,060,194; Apr. 29; Gaz. vol. 189; p. 1116.
- Lasley, Guff L., Edith, Kans. Self pitcher and feeder. No. 1,055,977; Mar. 11; Gaz. vol. 188; p. 480.
- Lasocki, Wladyslaw, assignor to M. Kielisinski, Warsaw, Russia. Mangle. No. 1,075,982; Oct. 14; Gaz. vol. 195; p. 507.
- Lassam, Harry C., Walton-on-Thames, and T. M. Thom, Cheshunt, England. Glazing-bar and the like. No. 1,069,886; Aug. 12; Gaz. vol. 193; p. 305.
- Lassen, Jens J., and V. F. Hjort, London, England. Apparatus for delivering measured quantities of liquid. No. 1,069,017; July 29; Gaz. vol. 192; p. 1208.
- Lassiter, Columbus K. (See Bocorselski and Lassiter.)
- Lassiter, Columbus K., Richmond, Va. Pipe-bending machine. No. 1,052,069; Feb. 4; Gaz. vol. 187; p. 77.
- Latchem, Edward C., and L. W. Pollock, Oakland, Cal. Centrifugal ore-concentrator. No. 1,080,223; Dec. 2; Gaz. vol. 197; p. 107.
- Latcher, John W., Edinburg, N. Y. Apparatus for the manufacture of steel and for the refining thereof. No. 1,080,224; Dec. 2; Gaz. vol. 197; p. 107.
- Latham, Chester A., and O. Benton, Wichita, Kans. Automobile. No. 1,058,309; Apr. 8; Gaz. vol. 189; p. 358.
- Latham, Ernest B. (See Force, William F., assignor.)
- Latham-Leethem Company. (See Leethem, Frank C., assignor.)
- Latham Machinery Company. (See Osterholm, William, assignor.)
- Latham Machinery Company. (See Weber, Henry, assignor.)
- Lathey, Myron A., Ottawa, Ontario, assignor to J. H. Burland, Montreal, Quebec, Canada. Printing-machine. No. 1,055,335; Mar. 11; Gaz. vol. 188; p. 265.
- Lathrop, Frank K., assignor to The Ohio Rake Company, Dayton, Ohio. Disk harrow. No. 1,073,428; Sept. 16; Gaz. vol. 194; p. 676.
- Lathrop, Frank L., assignor to H. L. Judd Company, Wallingford, Conn. Curtain-rod. No. 1,055,925; Mar. 11; Gaz. vol. 188; p. 462.
- Lathrop, Frank L., assignor to H. L. Judd Company, Wallingford, Conn. Curtain rod and bracket. No. 1,070,144; Aug. 12; Gaz. vol. 193; p. 393.
- Lathrop, Frank S., assignor of one-half to W. Wiediger, Park Rapids, Minn. Work-bench. No. 1,063,046; May 27; Gaz. vol. 190; p. 955.
- Latimer, John, Gilbert Plains, Manitoba, Canada. Shocking-machine. No. 1,052,154; Feb. 4; Gaz. vol. 187; p. 108.
- Latimer, Thomas H., Wilmington, Del. Compensating gear. No. 1,055,545; Mar. 11; Gaz. vol. 188; p. 335.
- Latimer, William G., assignor to E. B. Cadwell & Company, Detroit, Mich. Apparatus for hydraulically storing and delivering hydrocarbon oils. No. 1,065,452; June 24; Gaz. vol. 191; p. 880.
- Lations, Charles A., assignor to Worcester Metal Goods Company, Worcester, Mass. Garment-supporter. No. 1,075,358; Oct. 14; Gaz. vol. 195; p. 292.
- Latta, Carlyle E., and W. D. Thompson, assignors to Hutchins Car Roofing Company, Detroit, Mich. Car-roof. No. 1,058,989; Apr. 15; Gaz. vol. 189; p. 631.
- Latta, Emmet G., *et al.* (See Kavie, Oscar C., assignor.)
- Latta, James, *et al.* (See Brown, Francis H., assignor.)
- Latta, John S., *et al.* (See Brown, Francis H., assignor.)
- Latta, Thomas L., *et al.* (See Brown, Francis H., assignor.)
- Latta, William J. (See Kitsee, Isidor, assignor.)
- Lattig, Jacob W., Glenside, Pa. Shock-absorber. No. 1,066,508; July 8; Gaz. vol. 192; p. 240.
- Lattime, Charles F. and G. W., Newburyport, Mass. Exhaust-muffler. No. 1,051,130; Jan. 21; Gaz. vol. 186; p. 688.
- Lattime, George W. (See Lattime, Charles F. and G. W.)
- Lattin, Albert N. (See Sternau, Strassburger, and Lattin.)
- Lätzsch, Oswald, Zschemnitzsch, and O. Lätzsch, Lindenthal, Germany. Apparatus for sweeping chimneys. No. 1,054,924; Mar. 4; Gaz. vol. 188; p. 92.
- Lätzsch, Otto. (See Lätzsch, Oswald and O.)
- Laub, George A., Cleveland, Ohio. Bridle attachment. No. 1,082,598; Dec. 30; Gaz. vol. 197; p. 1045.
- Laub, George M., Newark, N. J., assignor to Model Pattern Company. Manufacturing means for simultaneously printing, perforating, and cutting. No. 1,056,805; Mar. 25; Gaz. vol. 188; p. 828.
- Lauber, Otto, Bredeney, and F. Stock, assignors to Fried. Krupp Aktiengesellschaft, Essen-on-the-Ruhr, Germany. Spade-fastening for wheeled gun-carriages. No. 1,079,868; Nov. 25; Gaz. vol. 196; p. 1001.
- Lauch, Richard, and F. Quade, assignors to J. A. von Wülffing, Berlin, Germany. Producing compounds of formaldehyde with sugars. No. 1,055,405; Mar. 11; Gaz. vol. 188; p. 289.
- Lauer, Victor, Stillwater, Okla. Header. No. 1,052,833; Feb. 11; Gaz. vol. 187; p. 370.
- Lauer, Victor, Stillwater, Okla. Cultivator. No. 1,075,832; Oct. 14; Gaz. vol. 195; p. 455.
- Laufenburg, Leland S., and S. G. Pearson, Stockton, Cal. Engine-supporting frame. No. 1,072,743; Sept. 9; Gaz. vol. 194; p. 396.
- Lauffer, Frank P. (See Dicks, Thomas A., assignor.)
- Laughinghouse, Samuel V., Grifton, N. C. Car-coupling. No. 1,075,582; Oct. 14; Gaz. vol. 195; p. 370.
- Laughlin, Elmyr A. (See Huntoon, Charles F., assignor.)
- Laughlin, James A. (See Spiva, George R., assignor.)
- Laughlin, James A., St. Louis, Mo. Combined car fender and brake. No. 1,077,285; Nov. 4; Gaz. vol. 196; p. 15.
- Laughter, Victor H., Detroit, Mich., assignor to North American Wireless Corporation. Wireless telephony. No. 1,067,179; July 8; Gaz. vol. 192; p. 469.
- Laughton, Charles T., Guymon, Okla. Engine. No. 1,066,740; July 8; Gaz. vol. 192; p. 323.
- Laughton, George W., New York, assignor of one-half to D. C. Whannell, Brooklyn, N. Y. Rod-packing. No. 1,050,219; Jan. 14; Gaz. vol. 186; p. 339.
- Laughton, John, New York, assignor to Wm. H. Rich & Son, Brooklyn, N. Y. Cloth-piler. No. 1,057,350; Mar. 25; Gaz. vol. 188; p. 1013.
- Lauffhoff, Frank, Detroit, Mich. Roll. No. 1,062,170; May 20; Gaz. vol. 190; p. 624.
- Laun, Henry W., Chicago, Ill. Acetylene-gas generator. No. 1,052,070; Feb. 4; Gaz. vol. 187; p. 78.
- Laurel Cut Glass Co., The. (See Hafner, William H., assignor.)
- Laurencich, Arthur, assignor of one-half to W. A. Kimmel, Washington, D. C. Spring-wheel. No. 1,081,844; Dec. 16; Gaz. vol. 197; p. 726.
- Laurent, Joseph A., Paris, France, assignor to Union Special Machine Company, Chicago, Ill. Presser-foot for sewing-machines. No. 1,068,506; July 29; Gaz. vol. 192; p. 1031.
- Laurenti, Cesare, assignor to Fiat-San Giorgio Società Anonima, Spezia, Italy. Submarine or submersible boat. No. 1,059,475; Apr. 22; Gaz. vol. 189; p. 836.
- Laurenti, Cesare, assignor to Fiat-San Giorgio, Società Anonima, Spezia, Italy. Rudders for the submersion and the navigation of submarine vessels under water. No. 1,061,088; May 6; Gaz. vol. 190; p. 181.
- Lauritsen, Laurits E., Moscow, Idaho. Safety-stirrup. No. 1,054,217; Feb. 25; Gaz. vol. 187; p. 925.
- Laursen, Laurits A., Holcombe, Wis. Hydraulic motor. No. 1,051,601; Jan. 28; Gaz. vol. 186; p. 881.
- Laursen, Laurits A., Eau Claire, Wis. Hydraulic pump. No. 1,054,573; Feb. 25; Gaz. vol. 187; p. 1045.
- Laury, Joseph A., assignor of one-half to F. J. Cregg, Syracuse, N. Y. Non-refillable bottle. No. 1,064,147; June 10; Gaz. vol. 191; p. 370.

Alphabetical list of patentees—Continued.

- Lausterer, William J., Jamestown, assignor to Empire Voting Machine Company, Rochester and Jamestown, N. Y. Voting-machine. No. 1,069,338; Aug. 5; Gaz. vol. 193; p. 87.
- Lausterer, William J., Jamestown, assignor to Empire Voting Machine Company, Rochester and Jamestown, N. Y. Cumulative-voting mechanism for voting-machines. No. 1,072,962; Sept. 9; Gaz. vol. 194; p. 476.
- Lausterer, William J., Jamestown, N. Y., assignor, by mesne assignments, to Triumph Voting Machine Company. Voting-machine. No. 1,080,014; Dec. 2; Gaz. vol. 197; p. 32.
- Lauter Company. (See Bergland, Carl, assignor.)
- Lauterbach, Christopher, Baltimore, Md. Automatic air-escape valve. No. 1,073,354; Sept. 16; Gaz. vol. 194; p. 651.
- Lauterjung, Eugen, Solingen, Germany. Non-circular-hole-shaping machine. No. 1,073,252; Sept. 16; Gaz. vol. 194; p. 614.
- Lauth, Bernard C., Pittsburgh, Pa., assignor to T. S. Blair, Jr., Chicago, Ill. Making a material having the general properties of wrought-iron. No. 1,067,528; July 15; Gaz. vol. 192; p. 626.
- Lauth, Bernard C., Pittsburgh, Pa., assignor to T. S. Blair, Jr., Chicago, Ill. Making a material having the general properties of wrought-iron. No. 1,067,529; July 15; Gaz. vol. 192; p. 626.
- Lavanger, Ludvig N., Aneta, N. D. Manure-conveyer. No. 1,050,366; Jan. 14; Gaz. vol. 186; p. 390.
- Lavelle, Thomas M., Pottsville, Pa. Buffer for doors. No. 1,073,253; Sept. 16; Gaz. vol. 194; p. 615.
- Lavergne dit Renaud, Louis, Montreal, Quebec, Canada. Valve. No. 1,057,435; Apr. 1; Gaz. vol. 189; p. 15.
- Lavers, Henry. (See Greenway and Lavers.)
- Lavers, Henry. (See Nutter and Lavers.)
- Lavezzi, Samuel J., assignor of one-half to I. C. Lambert, Chicago, Ill. Spring-attaching clip. No. 1,065,614; June 24; Gaz. vol. 191; p. 935.
- Lavigne, Joseph P., Detroit, Mich. Carbureter. No. 1,067,351; July 15; Gaz. vol. 192; p. 567.
- Lavigne, Moses, Ferrisburg, Vt. Combination movable knee-pad and foot-rest for church-pews. No. 1,080,764; Dec. 9; Gaz. vol. 197; p. 326.
- Laviolette, Joseph V., assignor to Industriele Maatschappij Trompenburg, Amsterdam, Netherlands. Valve-gear for multicylinder internal-combustion engines. No. 1,067,666; July 15; Gaz. vol. 192; p. 673.
- Lavis, William K., assignor of one-half to M. K. Barnum, La Grange, Ill. Carline. No. 1,055,766; Mar. 11; Gaz. vol. 188; p. 410.
- Lavoie, Augustus, and C. Demers, Leominster, Mass. Needle-guard for sewing-machines. No. 1,070,823; Aug. 19; Gaz. vol. 193; p. 665.
- Law, Albert, Brooklyn, N. Y. Toggle-head. No. 1,052,731; Feb. 11; Gaz. vol. 187; p. 333.
- Law, Alexander H. (See Parsons, Stoney, and Law.)
- Law, Harry R. (See Christner, Law, and Gorman.)
- Lawler, Charles A. (See Lawler, Harry A. and C. A.)
- Lawler, Edward M., Syracuse, N. Y. Variable-speed clutch. No. 1,059,940; Apr. 22; Gaz. vol. 189; p. 987.
- Lawler, Harry A. and C. A., Horton, Kans. Switch-rod. No. 1,068,144; July 22; Gaz. vol. 192; p. 867.
- Lawler, James J., Pelham, N. Y. Equalizing-valve for water. No. 1,065,615; June 24; Gaz. vol. 191; p. 935.
- Lawler, James J., Pelham, N. Y. Equalizing-valve for water. No. 1,076,293; Oct. 21; Gaz. vol. 195; p. 640.
- Lawler, James J., Pelham, N. Y. Bath-tub. No. 1,079,775; Nov. 25; Gaz. vol. 196; p. 969.
- Lawler, John W. (See Barnard and Lawler.)
- Lawless, Christopher J., Lincoln, Nebr. Silo and like receptacle. No. 1,072,387; Sept. 2; Gaz. vol. 194; p. 243.
- Lawlor, Sarah A. (See Lawlor, Simeon C., assignor.)
- Lawlor, Simeon C., Chicago, Ill. Mop-wringer. No. 1,056,916; Mar. 25; Gaz. vol. 188; p. 866.
- Lawlor, Simeon C., assignor to S. A. Lawlor, Chicago, Ill. Mop-wringer. No. 1,082,465; Dec. 23; Gaz. vol. 197; p. 964.
- Lawnin, Albert W., St. Louis, Mo., assignor of one-third to L. D. Lawnin, Edwardsville, Ill. Rib-holding device for umbrellas. No. 1,057,156; Mar. 25; Gaz. vol. 188; p. 949.
- Lawnin, Louis D. (See Lawnin, Albert W., assignor.)
- Lawrence, Abram, Elizabethtown, Ill. Exchange system for telephone-lines and the like. No. 1,061,852; May 13; Gaz. vol. 190; p. 473.
- Lawrence, Benjamin F., Buffalo, N. Y. Snow and ice hanger. No. 1,065,453; June 24; Gaz. vol. 191; p. 880.
- Lawrence, Edward E., Cambridge, Mass., assignor to Loose-Wiles Biscuit Company, Kansas City, Mo. Cake-cutting machine. No. 1,052,597; Feb. 11; Gaz. vol. 187; p. 289.
- Lawrence, Edward J., and H. White, Flushing, N. Y. Locker. No. 1,076,378; Oct. 21; Gaz. vol. 195; p. 671.
- Lawrence, Ernald C., Coventry, England, assignor to Underwood Typewriter Company, New York, N. Y. Typewriting machine. No. 1,067,746; July 15; Gaz. vol. 192; p. 700.
- Lawrence, Fred N., Brimfield, Mass. Automatic pin-boy. No. 1,063,983; June 10; Gaz. vol. 191; p. 312.
- Lawrence, George E., Philadelphia, Pa., assignor, by mesne assignments, to Barrett & Lawrence, Incorporated. Hydrographic chronograph. No. 1,054,849; Mar. 4; Gaz. vol. 188; p. 68.
- Lawrence, George H., Colfax, Wash. Sign. No. 1,059,546; Apr. 22; Gaz. vol. 189; p. 859.
- Lawrence, George R., Cleveland, Ohio, assignor to The W. W. Sly Manufacturing Company. Sand-blast apparatus. No. 1,073,149; Sept. 16; Gaz. vol. 194; p. 577.
- Lawrence, Harrison R., Chicago, Ill. Collapsible back for signs. No. 1,056,035; Mar. 18; Gaz. vol. 188; p. 535.
- Lawrence, Homer H., St. Albans, Vt. Life-guard for railway-trucks. No. 1,065,055; June 17; Gaz. vol. 191; p. 708.
- Lawrence, James, New York, N. Y., assignor to Electric Heat Storage Company. Air-heater. No. 1,052,834; Feb. 11; Gaz. vol. 187; p. 370.
- Lawrence, James, New York, N. Y., assignor to Electric Heat Storage Company. Domestic cooker. No. 1,069,440; Aug. 5; Gaz. vol. 193; p. 124.
- Lawrence, James, London, England, assignor to Electric Heat Storage Company. Oven. No. 1,069,441; Aug. 5; Gaz. vol. 193; p. 124.
- Lawrence, Jay F., Chicago, Ill. Stopper. No. 1,060,913; May 6; Gaz. vol. 190; p. 121.
- Lawrence, Jay F., Chicago, Ill. Hydrocarbon-lamp. No. 1,070,967; Aug. 19; Gaz. vol. 193; p. 710.
- Lawrence, Jay F., Chicago, Ill. Inverted hydrocarbon-lamp. No. 1,074,183; Sept. 30; Gaz. vol. 194; p. 984.
- Lawrence, Jerry A., Brackenridge, assignor to H. E. Sheldon, Pittsburgh, Pa. Annealing-box. No. 1,080,115; Dec. 2; Gaz. vol. 197; p. 69.
- Lawrence, John L., Lawrence, N. Y. Shock-absorber. No. 1,081,970; Dec. 23; Gaz. vol. 197; p. 795.
- Lawrence Manufacturing Company. (See Laroche and Tucker, assignors.)
- Lawrence, Obed I., Wynne Wood, Okla. Ice-tongs. No. 1,065,056; June 17; Gaz. vol. 191; p. 708.
- Lawrence, Robert J., Panola county, Tex. Saw-frame. No. 1,060,770; May 6; Gaz. vol. 190; p. 70.
- Lawrence, Thomas H., New York, N. Y. Fire-door safety device. No. 1,078,361; Nov. 11; Gaz. vol. 196; p. 419.
- Lawrence, William, Washington, D. C. Automobile farm-wagon. No. 1,050,147; Jan. 14; Gaz. vol. 186; p. 315.
- Lawrence, William A., New York, N. Y., assignor to Intercontinental Rubber Company, Jersey City, N. J. Refining rubber. No. 1,058,186; Apr. 8; Gaz. vol. 189; p. 317.
- Lawrenceville Bronze Co. (See Kerr and Neeson, assignors.)
- Lawrenz, Emil, Detroit, Mich. Cutter. No. 1,073,254; Sept. 16; Gaz. vol. 194; p. 615.
- Lawrenz, Emil, Detroit, Mich. Cutter. No. 1,073,255; Sept. 16; Gaz. vol. 194; p. 615.
- Lawrenz, Paul R. C., Cologne, Germany. Valve-gear for combustion-engines. No. 1,076,294; Oct. 21; Gaz. vol. 195; p. 641.
- Lawrenz, William F., Duluth, Minn. Flush-tank for water-closets. No. 1,053,303; Feb. 18; Gaz. vol. 187; p. 574.
- Lawson, Alfred L., assignor of one-half to G. S. Welch, Chicago, Ill. Amalgamator. No. 1,067,352; July 15; Gaz. vol. 192; p. 567.
- Lawson, Bascom T., Ada, Okla. Wire-twisting tool. No. 1,058,376; Apr. 8; Gaz. vol. 189; p. 383.
- Lawson, Charles and R. W., Boston, Mass. Gas-meter. No. 1,066,023; July 1; Gaz. vol. 192; p. 42.
- Lawson, Charles R., San Francisco, Cal. Hydraulic motor. No. 1,072,475; Sept. 9; Gaz. vol. 194; p. 303.
- Lawson, Clarence J., Yonkers, N. Y. Machine for making bottle-caps. No. 1,080,015; Dec. 2; Gaz. vol. 197; p. 33.
- Lawson, Frank W., Algiers, La. Rail-supporting bed. No. 1,073,996; Sept. 23; Gaz. vol. 194; p. 894.
- Lawson, Frans O. (See Wright and Lawson.)
- Lawson, Hilda. (See Newell, George A., assignor.)
- Lawson, Laurits J. (See Kirk and Lawson.)
- Lawson, Lindley S., assignor to Lawson Manufacturing Company, Homestead, Pa. Vapor generator and burner. No. 1,059,739; Apr. 22; Gaz. vol. 189; p. 921.
- Lawson Manufacturing Company. (See Lawson, Lindley S., assignor.)
- Lawson Manufacturing Company. (See Parisen, Robert T., assignor.)
- Lawson, Olof F., New Sharon, Iowa. Vehicle-seat. No. 1,063,809; June 3; Gaz. vol. 191; p. 220.
- Lawson, Olof F., and C. Dungan, New Sharon, Iowa. Combination pencil-clip. No. 1,073,053; Sept. 9; Gaz. vol. 194; p. 508.
- Lawson, Robert W. (See Lawson, Charles and R. W.)
- Lawson, William C. (See Sherman, Richard E., assignor.)
- Lawson, William L., Mount Carmel, Ill. Mixing or blending machine. No. 1,077,145; Oct. 28; Gaz. vol. 195; p. 989.
- Lawton, Albert E., Manchester, and G. Lawton, Sheffield, England. Machine for manufacturing tubes. No. 1,070,268; Aug. 12; Gaz. vol. 193; p. 434.
- Lawton, Fred A., Lunenburg, Mass. Wind-shield. No. 1,083,108; Dec. 30; Gaz. vol. 197; p. 1219.
- Lawton, George. (See Lawton, Albert E. and G.)
- Laxton, Fred M. (See Tucker and Laxton.)

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- Laycock, Harry A., Schenectady, N. Y., assignor to General Electric Company. System of distribution. No. 1,082,962; Dec. 30; Gaz. vol. 197; p. 1172.
- Layman, Estes H., Pacific Beach, Cal. Spring-tire. No. 1,067,353; July 15; Gaz. vol. 192; p. 567.
- Layman, Theodore D., Indianapolis, Ind. Detachable gun-magazine. No. 1,069,339; Aug. 5; Gaz. vol. 193; p. 88.
- Layne & Bowler Corporation. (See Bowler and Dutton, assignors.)
- Layne & Bowler Corporation. (See Wintroath, John A., assignor.)
- Layne, Mahlon E. (See Kreiter, Post, Roco, and Layne.)
- Layne, Mahlon E., Houston, Tex. Blank for making perforated tubing. No. 1,053,614; Feb. 18; Gaz. vol. 187; p. 683.
- Layne, Mahlon E., Houston, Tex. Well-screen. No. 1,062,717; May 27; Gaz. vol. 190; p. 847.
- Layne, Mahlon E., Houston, Tex. Forming concrete foundations and the like. No. 1,062,718; May 27; Gaz. vol. 190; p. 847.
- Lazar, Lucian B., West Alexander, Pa. Spike. No. 1,069,442; Aug. 5; Gaz. vol. 193; p. 125.
- Lazier, Arthur A., Buffalo, N. Y. Internal-combustion engine. No. 1,069,794; Aug. 12; Gaz. vol. 193; p. 273.
- Le Baron, Irvin T., Fredericktown, Mo. Sickle with saw attachment. No. 1,078,152; Nov. 11; Gaz. vol. 196; p. 344.
- Le Baron, John F., Chardon, Ohio. Tread for tires. No. 1,078,153; Nov. 11; Gaz. vol. 196; p. 344.
- Le Blanc, Alexis, New York, N. Y. Electromagnetic reciprocating motor. No. 1,069,709; Aug. 12; Gaz. vol. 193; p. 243.
- Le Blanc, Joseph, Gladstone, Mich. Life-saving apparatus. No. 1,075,359; Oct. 14; Gaz. vol. 195; p. 292.
- Le Blanc, Robert E., and P. P. Landry, Paincourtville, La. Extension-furnace. No. 1,057,855; Apr. 1; Gaz. vol. 189; p. 158.
- Le Blanc, Robert E., P. P. Landry, and S. G. Poché, Paincourtville, La. Centrifugal machine. No. 1,057,856; Apr. 1; Gaz. vol. 189; p. 159.
- Le Blond, Richard K., and W. F. Groene, assignors to The R. K. Le Blond Machine Tool Company, Cincinnati, Ohio. Actuating mechanism for lathes. No. 1,067,260; July 15; Gaz. vol. 192; p. 535.
- Le Boeuf, Arthur W., Woonsocket, R. I., assignor to Electric Compositor Company, New York, N. Y. Casting-control mechanism for linotype-machines. No. 1,061,388; May 13; Gaz. vol. 190; p. 317.
- Le Boeuf, Arthur W., Woonsocket, R. I., assignor to Electric Compositor Company, New York, N. Y. Slug-expeller mechanism for line-casting machines. No. 1,080,570; Dec. 9; Gaz. vol. 197; p. 258.
- Le Boeuf, Arthur W., Woonsocket, R. I., assignor to Electric Compositor Company, New York, N. Y. Spacer-handling mechanism for type-bar-making machines. No. 1,082,275; Dec. 23; Gaz. vol. 197; p. 901.
- Le Boeuf, Arthur W., Woonsocket, and J. B. Armitage, Pawtucket, R. I., assignors to Electric Compositor Company, New York, N. Y. Elevator mechanism. No. 1,080,569; Dec. 9; Gaz. vol. 197; p. 258.
- Le Brocq, Richard F., New York, N. Y., assignor, by mesne assignments, to Progressive Holding Company. Hen's nest. No. 1,066,631; July 8; Gaz. vol. 192; p. 283.
- Le Brocq, Richard F., New York, N. Y., assignor, by mesne assignments, to The Motion Advertising Co., Inc. Controller. No. 1,068,672; July 29; Gaz. vol. 192; p. 1089.
- Le Chatelier, André G., Marseille, France. Blowpipe. No. 1,067,929; July 22; Gaz. vol. 192; p. 794.
- Le Clair, William, Jr., Delphia, Mont. Mail-bag catching and delivering apparatus. No. 1,050,064; Jan. 7; Gaz. vol. 186; p. 253.
- Le Count, George M., J. D. McKenney, and R. W. Kinyon, Bradley, S. D. Silo. No. 1,052,671; Feb. 11; Gaz. vol. 187; p. 315.
- Le Doux, Hector, Worcester, Mass., assignor to Crompton & Knowles Loom Works. Spreader for pile-fabric looms. No. 1,054,969; Mar. 4; Gaz. vol. 188; p. 107.
- Le Doux, Hector, Worcester, Mass., and J. K. Dalkranian, Weehawken Heights, N. J.; said Dalkranian assignor to United States Persian Carpet Company and said Le Doux assignor to Crompton & Knowles Loom Works. Woven fabric. No. 1,077,227; Oct. 28; Gaz. vol. 195; p. 1016.
- Le Duc, Constant, Chatsworth, N. J. Well-driving apparatus. No. 1,050,668; Jan. 14; Gaz. vol. 186; p. 493.
- Le Furge, William P., Philadelphia, Pa. Advertising chair-arm. No. 1,066,292; July 1; Gaz. vol. 192; p. 139.
- Le Gendre, Henry E., Cresskill, N. J., assignor to E. W. Bliss Company, Brooklyn, N. Y. Pneumatic tool. No. 1,053,304; Feb. 18; Gaz. vol. 187; p. 575.
- Le Gendre, Henry E., Cresskill, N. J., and G. Leich, New York, assignors to E. W. Bliss Company, Brooklyn, N. Y. Pneumatic tool. No. 1,065,375; June 24; Gaz. vol. 191; p. 854.
- Le Gendre, Henry E., Cresskill, N. J., and G. Leich, New York, assignors to E. W. Bliss Company, Brooklyn, N. Y. Pneumatic tool. No. 1,066,414; July 1; Gaz. vol. 192; p. 177.
- Le Grue, Angus R., assignor of one-half to A. S. Fraser, Buffalo, N. Y. Window. No. 1,075,833; Oct. 14; Gaz. vol. 195; p. 456.
- Le Jeune, Henry E., Santa Maria, Porto Rico. Permutation-lock. No. 1,071,443; Aug. 26; Gaz. vol. 193; p. 904.
- Le Manquais, Ernest R., Fair Oaks, Pa., assignor to National Metal Holding Company. Junction-box for electrical conduits. No. 1,049,375; Jan. 7; Gaz. vol. 186; p. 20.
- Le Manquais, Ernest R., Fair Oaks, assignor to National Metal Molding Company, Pittsburgh, Pa. Bolt and screw retainer. No. 1,049,376; Jan. 7; Gaz. vol. 186; p. 20.
- Le Moyne, James, assignor of one-half to A. C. Hugill, New York, N. Y. Electric fixture. No. 1,051,505; Jan. 28; Gaz. vol. 186; p. 848.
- Le Pontois, Leon J., New Rochelle, N. Y., assignor, by mesne assignments, to H. W. Johns. Induction-alternator. No. 1,058,244; Apr. 8; Gaz. vol. 189; p. 335.
- Le Pontois, Leon J., New Rochelle, N. Y., assignor, by mesne assignments, to H. W. Johns. System of ignition for explosive-engines. No. 1,074,724; Oct. 7; Gaz. vol. 195; p. 47.
- Le Pontois, Leon J., New Rochelle, N. Y., assignor of one-half to B. Hurd, Nutley, N. J. Carbureter. No. 1,069,576; Aug. 5; Gaz. vol. 193; p. 168.
- Le Roy, Jean A., New York, N. Y. Kinetoscope. No. 1,075,215; Oct. 7; Gaz. vol. 195; p. 216.
- Le Saint, Louis, *et al.* (See McKenzie, Clinton J., assignor.)
- Le Sieur, Saint Vrain, assignor to The Le Sieur Vacuum Can Manufacturing Company, East St. Louis, Ill. Milk-can. No. 1,075,834; Oct. 14; Gaz. vol. 195; p. 456.
- Le Sieur Vacuum Can Manufacturing Company, The. (See Le Sieur, Saint Vrain, assignor.)
- Le Tissier, Howard W., *et al.* (See Dirksen, Theodor L., assignor.)
- Le Vasseur-Belisle, Joseph N., Worcester, Mass. Guide-eye for loom-shuttles. No. 1,066,824; July 8; Gaz. vol. 192; p. 350.
- Lea, Charles. (See Hathaway and Lea.)
- Lea, Henry, St. Helens, England. Wire-clip. No. 1,079,989; Dec. 2; Gaz. vol. 197; p. 24.
- Leach, Charles H., Warren, Mass. Blue-print washing and developing receptacle. No. 1,053,409; Feb. 18; Gaz. vol. 187; p. 612.
- Leach, Charles W., Jr., Wheeling, W. Va. Curtain shade and pole fixture. No. 1,062,018; May 20; Gaz. vol. 190; p. 572.
- Leach, John J., Jewell, Ohio. Cutter-bar raking device. No. 1,080,568; Dec. 9; Gaz. vol. 197; p. 258.
- Leach, Richard L., Honolulu, Hawaii. Vehicle-tire. No. 1,077,085; Oct. 28; Gaz. vol. 195; p. 972.
- Leach, Roy I., and A. T. Beall, Salem, Ohio. Formaldehyde fuming apparatus. No. 1,073,913; Sept. 23; Gaz. vol. 194; p. 865.
- Leach, William, Moose Jaw, Saskatchewan, Canada. Train telephone-connection pole. No. 1,067,354; July 15; Gaz. vol. 192; p. 567.
- Leach, William H., Jr., Newton, Mass. Auxiliary grip for small firearms. No. 1,049,739; Jan. 7; Gaz. vol. 186; p. 143.
- Leacock, Seth C. (See Ford and Leacock.)
- Leadbeater, Frederick, Detroit, Mich. Valve. No. 1,076,895; Oct. 28; Gaz. vol. 195; p. 908.
- Leader Supply Company. (See Webster, George, assignor.)
- Leadum, Harry. (See Ricketts, George W., assignor.)
- Leahy, Herbert V., Los Angeles, Cal. Oil-burning furnace. No. 1,065,057; June 17; Gaz. vol. 191; p. 709.
- Leake, Richard C. (See Geer and Leake.)
- Leake, Richard C., Auburn, N. Y. Electrical distributing system. (Reissue.) No. 13,534; Feb. 25; Gaz. vol. 187; p. 1075.
- Leake, Richard C., Baldwinsville, N. Y. Electrical distribution. No. 1,066,823; July 8; Gaz. vol. 192; p. 349.
- Leake, Richard C., Rochester, assignor to General Railway Signal Company, Gates, N. Y. Support for oscillatable members. No. 1,071,761; Sept. 2; Gaz. vol. 194; p. 32.
- Leake, Richard C., Lakeland, assignor of one-half to S. B. Storer, Syracuse, N. Y. Automatic synchronizer. No. 1,078,863; Nov. 18; Gaz. vol. 196; p. 623.
- Leaman, Maurice R., Pittsburgh, Pa. Straight-edge. No. 1,080,225; Dec. 2; Gaz. vol. 197; p. 107.
- Leamann, James E., assignor to The August Maag Company of Baltimore City, Baltimore, Md. Bread-pan. (Reissue.) No. 13,516; Jan. 21; Gaz. vol. 186; p. 772.
- Leap, Harry, Chicago, Ill. Resilient wheel. No. 1,066,124; July 1; Gaz. vol. 192; p. 77.
- Leap, Harry, Chicago, Ill. Inflatable supporter for trousers and the like. No. 1,080,985; Dec. 9; Gaz. vol. 197; p. 402.
- Leapley, Edward E., *et al.* (See Sloderbeck, Martin C., assignor.)
- Leapley, William A., *et al.* (See Sloderbeck, Martin C., assignor.)
- Learman, Louis F., St. Paul, and E. M. Coon, Minneapolis, Minn. Foot-guard. No. 1,051,423; Jan. 28; Gaz. vol. 186; p. 820.
- Learned, Horace G. (See Mosher, Peter W., assignor.)

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- Lease, Charles E., assignor of one-half to C. Jacobson, Galt, Cal. Concrete railway-tie. No. 1,073,256; Sept. 16; Gaz. vol. 194; p. 615.
- Leask, Henry N., Manchester, England. Refuse-destructor. No. 1,054,850; Mar. 4; Gaz. vol. 188; p. 68.
- Leask, Henry N., Egremont, England. Conveying apparatus for charging bins, hoppers, &c. No. 1,055,926; Mar. 11; Gaz. vol. 188; p. 462.
- Leask, Henry N., Egremont, England. Furnace. No. 1,064,500; June 10; Gaz. vol. 191; p. 491.
- Leask, Henry N., Egremont, England. Refuse-destructor. No. 1,074,508; Sept. 30; Gaz. vol. 194; p. 1090.
- Leask, Henry N., Egremont, England. Charging-door for furnaces. No. 1,074,509; Sept. 30; Gaz. vol. 194; p. 1090.
- Leatherland, Walter I., Alexandria, Va. Sanitary device. No. 1,070,618; Aug. 19; Gaz. vol. 193; p. 596.
- Leathery, John D., Harrisburg, Pa. Bean and pea huller. No. 1,060,465; Apr. 29; Gaz. vol. 189; p. 1211.
- Leavell, Thomas G., assignor, by mesne assignments, to Sectional Threshing Cylinder Company, Spokane, Wash. Threshing-cylinder. (Reissue.) No. 13,599; July 22; Gaz. vol. 192; p. 959.
- Leavell, Walter E., Portland, Oreg., assignor to Perfection Removable Bar Cylinder Company. Thresher-cylinder. No. 1,066,024; July 1; Gaz. vol. 192; p. 42.
- Leavitt, Albert J. (See Claypoole, Guy C., assignor.)
- Leavitt, Byron C., *et al.* (See Watson, Alexander, assignor.)
- Leavitt, Frank M., Smithtown, assignor to E. W. Bliss Company, Brooklyn, N. Y. Starting and stopping mechanism for automobile torpedoes. No. 1,064,349; June 10; Gaz. vol. 191; p. 437.
- Leavitt, Frank M., Smithtown, assignor to E. W. Bliss Company, Brooklyn, N. Y. Exploder. No. 1,068,594; July 29; Gaz. vol. 192; p. 1061.
- Leavitt, Frank M., Smithtown, assignor to E. W. Bliss Company, Brooklyn, N. Y. Sinking device for automobile torpedoes. No. 1,076,295; Oct. 21; Gaz. vol. 195; p. 641.
- Leavitt, Frank M., Smithtown, assignor to E. W. Bliss Company, Brooklyn, N. Y. Steering mechanism for automobile torpedoes. No. 1,080,116; Dec. 2; Gaz. vol. 197; p. 70.
- Leavitt, George J., Berlin, N. H. Packing-box. No. 1,075,434; Oct. 21; Gaz. vol. 195; p. 691.
- Leavitt, Harry W., Paris, Mo. Adjustable tool-hitch for tractors. No. 1,078,736; Nov. 18; Gaz. vol. 196; p. 578.
- Leavitt Machine Company. (See Smith and Williams, assignors.)
- Leavitt, William H., Stamford, Tex. Tying device for hay-balers. No. 1,073,499; Sept. 16; Gaz. vol. 194; p. 700.
- Lebach, Stuart J. (See Bauer, William J., assignor.)
- Lebenhart, Richard, Wrschowitz, near Prague, Austria-Hungary. Card for holding articles having an angular profile. No. 1,075,983; Oct. 14; Gaz. vol. 195; p. 507.
- Lebert, John J. (See Hess, Frank, assignor.)
- Leblanc, Maurice, Val sur Seine par Croissy, assignor to Sté. Ame. pour l'Exploitation des Procédés Westinghouse Leblanc, Paris, France. Steam-ejector. No. 1,079,134; Nov. 18; Gaz. vol. 196; p. 717.
- Leblond, Eugène J. J., New York, N. Y. Life-boat. No. 1,054,851; Mar. 4; Gaz. vol. 188; p. 69.
- Lebowich, Louis A., Boston, Mass. Filing-case for cards and the like. No. 1,079,776; Nov. 25; Gaz. vol. 196; p. 969.
- Lebrecht, Alfred, assignor to De La Vergne Machine Company, New York, N. Y. Oil-engine and vaporizer therefor. No. 1,049,374; Jan. 7; Gaz. vol. 186; p. 19.
- Lebus, George F. (See Osborne and Lebus.)
- Lebus, George F., Electra, Tex. Wrench for rotary well-drills. No. 1,076,379; Oct. 21; Gaz. vol. 195; p. 671.
- Lechner, John L. H. (See Reimer, William H., assignor.)
- Lechtenberg, Henry, Quincy, Ill. Loading apparatus. No. 1,050,472; Jan. 14; Gaz. vol. 186; p. 428.
- Lecroy, Thomas T., Lonsdale, Ark. Can-opener. No. 1,068,507; July 29; Gaz. vol. 192; p. 1032.
- Lecuyer, George, Bartlesville, Okla. Animal-forceps. No. 1,077,086; Oct. 28; Gaz. vol. 195; p. 973.
- Ledbetter, William H., assignor to Southern Plow Company, Dallas, Tex. Cultivator attachment. No. 1,081,539; Dec. 16; Gaz. vol. 197; p. 625.
- Lederer, Anton, near Vienna, Austria-Hungary. Manufacture of filaments of tungsten or molybdenum for electric incandescent lamps. No. 1,071,325; Aug. 26; Gaz. vol. 193; p. 866.
- Lederer, Anton, Atzgersdorf, near Vienna, Austria-Hungary. Manufacture of incandescent bodies of metallic tungsten or molybdenum for electric incandescent lamps. No. 1,079,777; Nov. 25; Gaz. vol. 196; p. 970.
- Lederer, Anton, Vienna, Austria-Hungary, assignor to Westinghouse Lamp Company. Decarbonization of raw metallic filaments for incandescent electric lamps. No. 1,054,005; Feb. 25; Gaz. vol. 187; p. 852.
- Ledoux, Augustus D., Summit, N. J. Chloridizing ores. No. 1,082,599; Dec. 30; Gaz. vol. 197; p. 1045.
- Ledoux, John W., Swarthmore, Pa. Liquid-meter. No. 1,050,148; Jan. 14; Gaz. vol. 186; p. 315.
- Ledoux, John W., Swarthmore, Pa. Liquid-meter. No. 1,064,747; June 17; Gaz. vol. 191; p. 610.
- Ledoux, John W., Swarthmore, Pa. Fluid-meter. No. 1,064,748; June 17; Gaz. vol. 191; p. 611.
- Ledoux, John W., Swarthmore, Pa. Liquid-meter. No. 1,070,968; Aug. 19; Gaz. vol. 193; p. 711.
- Ledoux, Stanislaus, and J. Turcotte, assignors of one-third to R. Dow, Pawtucket, R. I. Loom. No. 1,055,191; Mar. 4; Gaz. vol. 188; p. 180.
- Ledward, Frederick A., Flint, Mich. Concealed door-hinge. No. 1,076,435; Oct. 21; Gaz. vol. 195; p. 691.
- Ledwinka, Joseph, Philadelphia, Pa. Pole system. No. 1,069,887; Aug. 12; Gaz. vol. 193; p. 305.
- Lee, Alfred J. (See Lee, John B. and A. J.)
- Lee, Anderson, Salt Lake City, Utah. Bed. No. 1,068,508; July 29; Gaz. vol. 192; p. 1032.
- Lee, Atlas M., *et al.* (See McCall, Joseph W., assignor.)
- Lee, Benjamin F., Schoolfield, Va. Magnetic wedge for dynamo-electric machines. No. 1,083,109; Dec. 30; Gaz. vol. 197; p. 1219.
- Lee, Charles E., assignor of one-half to B. C. Sammons, Chicago, Ill. Electric signaling system. No. 1,076,896; Oct. 28; Gaz. vol. 195; p. 908.
- Lee, Charles F., Chicago, Ill. Burglar-alarm. No. 1,070,969; Aug. 19; Gaz. vol. 193; p. 711.
- Lee, Daniel, Chester, Pa. Line-holder for bricklayers' use. No. 1,066,926; July 8; Gaz. vol. 192; p. 385.
- Lee, Dwight B., Detroit, Mich. Wind-shield tube. No. 1,082,031; Dec. 23; Gaz. vol. 197; p. 817.
- Lee, Ella D., Chicago, Ill. Doll. No. 1,075,482; Oct. 14; Gaz. vol. 195; p. 336.
- Lee, Fitzhugh, Richmond, Va. Folding chair. No. 1,071,246; Aug. 26; Gaz. vol. 193; p. 839.
- Lee, Floyd E., assignor of one-half to S. V. Meigs, Pueblo, Colo. Spot-board device for track-surfacing. No. 1,057,001; Mar. 25; Gaz. vol. 188; p. 895.
- Lee, George E., Cleveland, Ohio. Matrix-suspending bar for linotype-machines. No. 1,057,157; Mar. 25; Gaz. vol. 188; p. 949.
- Lee, George H., Omaha, Nebr. Incubator. No. 1,053,734; Feb. 18; Gaz. vol. 187; p. 725.
- Lee, George H., Omaha, Nebr. Incubator. No. 1,060,552; Apr. 29; Gaz. vol. 189; p. 1242.
- Lee, Gregory A., assignor of one-third to S. J. Taylor and one-third to F. L. Taylor, San Francisco, Cal. Clothing container and transferrer. No. 1,062,171; May 20; Gaz. vol. 190; p. 624.
- Lee, Isaac E., Dayton, Va., assignor of one-third to W. F. Bowen, Washington, D. C., and one-third to C. W. Bane, Hagerstown, Md. Cheese-cutter. No. 1,060,771; May 6; Gaz. vol. 190; p. 71.
- Lee, James, Bradley, Ill. Bottle-opener. No. 1,064,501; June 10; Gaz. vol. 191; p. 491.
- Lee, John B. and A. J., Anniston, Ala. Sash-weight. No. 1,052,598; Feb. 11; Gaz. vol. 187; p. 289.
- Lee, John C., Brookline, Mass. Preparation of granular carbon. No. 1,071,442; Aug. 26; Gaz. vol. 193; p. 904.
- Lee, John C., Brookline, assignor of one-fourth to H. N. Sweet, Boston, Mass. Hose-supporter. No. 1,065,374; June 24; Gaz. vol. 191; p. 854.
- Lee, John E., Conshohocken, assignor to J. B. Hall, Philadelphia, Pa. Apparatus for maturing immature and frost-bitten cotton-bolls. No. 1,073,914; Sept. 23; Gaz. vol. 194; p. 865.
- Lee, John H. (See Sharpneck and Lee.)
- Lee, May L., Chicago, Ill. Hook and eye. No. 1,061,761; May 13; Gaz. vol. 190; p. 446.
- Lee, Moses W., Philadelphia, assignor to National Roll Printer Company, Reading, Pa. Printing attachment for rolls. No. 1,062,979; May 27; Gaz. vol. 190; p. 933.
- Lee, Olaf G., Spokane, Wash. Line-marking device for playgrounds. No. 1,050,669; Jan. 14; Gaz. vol. 186; p. 493.
- Lee, Olaf, Spokane, Wash. Nursing-bottle holder. No. 1,065,816; June 24; Gaz. vol. 191; p. 1003.
- Lee, Richard V., Calistoga, Cal. Oil-gun. No. 1,071,063; Aug. 26; Gaz. vol. 193; p. 778.
- Lee, Robert E., and R. L. Poythress, Newington, Ga. Folding step. No. 1,065,533; June 24; Gaz. vol. 191; p. 908.
- Lee, Roy A., San Francisco, Cal. Safety-catch. No. 1,062,284; May 20; Gaz. vol. 190; p. 662.
- Lee S. Smith & Son Company. (See Vernon, James B., assignor.)
- Lee, Thomas, Saylor Park, Ohio. Weather-strip. No. 1,054,218; Feb. 25; Gaz. vol. 187; p. 926.
- Lee, Ulysses G., assignor to Montague Mailing Machinery Co., Chattanooga, Tenn. Typograph. No. 1,051,239; Jan. 21; Gaz. vol. 186; p. 724.
- Lee, Ulysses G., assignor to Montague Mailing Machinery Co., Chattanooga, Tenn. Typograph. No. 1,051,240; Jan. 21; Gaz. vol. 186; p. 724.
- Lee, Ulysses G., Chattanooga, Tenn., assignor to Montague Mailing Machinery Co. Keyboard-typograph. No. 1,051,241; Jan. 21; Gaz. vol. 186; p. 725.
- Lee, William H., assignor to Syracuse Chilled Plow Company, Syracuse, N. Y. Means for tilting the earth-turning elements of wheeled plows. No. 1,069,340; Aug. 5; Gaz. vol. 193; p. 88.

Alphabetical list of patentees—Continued.

- Lee, William H., assignor to Syracuse Chilled Plow Company, Syracuse, N. Y. Means for shifting turf-cutters of reversible plows. No. 1,070,495; Aug. 19; Gaz. vol. 193; p. 556.
- Lee, William H., assignor to Syracuse Chilled Plow Company, Syracuse, N. Y. Raising and lowering the earth-turning element of wheeled plows. No. 1,072,863; Sept. 9; Gaz. vol. 194; p. 439.
- Lee, William H., assignor to Syracuse Chilled Plow Company, Syracuse, N. Y. Detachable shoe for landsides of plows. No. 1,073,693; Sept. 23; Gaz. vol. 194; p. 791.
- Lee, William S., Charlotte, N. C. Apparatus for the endothermic reaction of gases. No. 1,051,131; Jan. 21; Gaz. vol. 186; p. 689.
- Leeberg, Charles. (See Titus and Leeberg.)
- Leech, Charles M., Lima, Ohio. Internal-combustion engine. No. 1,068,595; July 29; Gaz. vol. 192; p. 1062.
- Leech, Edward, *et al.* (See Ames, Joel, assignor.)
- Leeds, Morris E., Philadelphia, Pa. Speed-control apparatus. No. 1,057,436; Apr. 1; Gaz. vol. 189; p. 15.
- Leeo, Sterling, Los Angeles, Cal. Railway-track construction. No. 1,054,852; Mar. 4; Gaz. vol. 188; p. 69.
- Lees-Bradner Company, The. (See Lees, Ernest J., assignor.)
- Lees, Ernest J., Cleveland, Ohio, assignor, by mesne assignments, to Gould & Eberhardt, Newark, N. J. Gear-cutting machine. No. 1,065,817; June 24; Gaz. vol. 191; p. 1003.
- Lees, Ernest J., Cleveland, Ohio, assignor, by mesne assignments, to Gould & Eberhardt, Newark, N. J. Gear-cutting machine. No. 1,066,509; July 8; Gaz. vol. 192; p. 240.
- Lees, Ernest J., Cleveland, Ohio, assignor to Gould & Eberhardt, Newark, N. J. Cutting helical gear-wheels. No. 1,082,533; Dec. 30; Gaz. vol. 197; p. 1020.
- Lees, Ernest J., assignor to The Lees-Bradner Company, Cleveland, Ohio. Gear-generator. No. 1,071,163; Aug. 26; Gaz. vol. 193; p. 811.
- Lees, Ernest J., assignor to The Lees-Bradner Company, Cleveland, Ohio. Gear-generator. No. 1,081,971; Dec. 23; Gaz. vol. 197; p. 796.
- Lees, Ernest J., assignor to The Lees-Bradner Company, Cleveland, Ohio. Gear-generator. No. 1,081,972; Dec. 23; Gaz. vol. 197; p. 796.
- Lees, Ernest J., assignor to The Lees-Bradner Company, Cleveland, Ohio. Gear-generator. No. 1,081,973; Dec. 23; Gaz. vol. 197; p. 797.
- Lees, Harry F., New York, assignor to J. R. Clancy, Syracuse, N. Y. Stage-screw. No. 1,055,056; Mar. 4; Gaz. vol. 188; p. 137.
- Leeson, Joseph R. (See Helm, Max, assignor.)
- Leet, Lynn T., Reading, Pa., assignor to Water & Sewage Purification Company, New York, N. Y. Sewage disposal. No. 1,079,569; Nov. 25; Gaz. vol. 196; p. 895.
- Leete, Henry C., *et al.* (See Mettler, Caspar, assignor.)
- Leetham, Sidney, York, England. Machine for rubbing, grinding, or reducing materials. No. 1,057,747; Apr. 1; Gaz. vol. 189; p. 120.
- Leethem, Frank C., Middletown, assignor to Latham-Leethem Company, New York, N. Y. Printer's book. No. 1,049,880; Jan. 7; Gaz. vol. 186; p. 190.
- Lefebvre, Edward A., New York, N. Y. Game apparatus. No. 1,064,231; June 10; Gaz. vol. 191; p. 399.
- Lefebvre, Alderic, Montreal, Quebec, Canada. Railway-switch. No. 1,080,226; Dec. 2; Gaz. vol. 197; p. 107.
- Lefebvre, Frédéric E. E., Rouen, France. Automobile-tractor. No. 1,054,649; Feb. 25; Gaz. vol. 187; p. 1071.
- Lefelmann, Friedrich W., Aue, Germany. Production of coke from wood-tar. No. 1,064,350; June 10; Gaz. vol. 191; p. 438.
- Lefer, Eugène E., assignor to The Société Anonyme des Etablissements Delaunay-Belleville, St.-Denis, France. Valve. No. 1,051,602; Jan. 28; Gaz. vol. 186; p. 882.
- Lefevre, George, Lawrence, Mass. Tea or coffee pot. No. 1,053,735; Feb. 18; Gaz. vol. 187; p. 725.
- Leffel, Ansel B. (See Davis and Leffel.)
- Lefler, William B., Springfield, Nebr. Water-power wheel. No. 1,082,883; Dec. 30; Gaz. vol. 197; p. 1145.
- Leftwich, Frank T. (See Body and Leftwich.)
- Leftwich, William D., Wilksburg, Pa. Automatic train-pipe coupling. No. 1,081,125; Dec. 9; Gaz. vol. 197; p. 445.
- Legendre, George E., Chicago, Ill. Automobile-fender. No. 1,055,057; Mar. 4; Gaz. vol. 188; p. 137.
- Legere, Joseph A. (See Johnson and Legere.)
- Legg, William F., Portland, Oreg. Balloting system. No. 1,081,314; Dec. 16; Gaz. vol. 197; p. 547.
- Legge, Alfred G., Brockton, Mass. Shoe-form. No. 1,074,723; Oct. 7; Gaz. vol. 195; p. 47.
- Legge, Thomas A., assignor to The Adams & Westlake Company, Chicago, Ill. Lavatory. No. 1,067,261; July 15; Gaz. vol. 192; p. 535.
- Leggo, Thomas A., assignor to The Adams & Westlake Company, Chicago, Ill. Lavatory. No. 1,080,702; Dec. 9; Gaz. vol. 197; p. 303.
- Leggett, Albert R., Niagara Falls, N. Y. Furnace. No. 1,062,483; May 20; Gaz. vol. 190; p. 728.
- Leggett, Joseph P., Carthage, Mo. Railway-car. No. 1,073,429; Sept. 16; Gaz. vol. 194; p. 676.
- Legrand, Charles, and A. Armel, Paris, France. Electric lock. No. 1,052,488; Feb. 11; Gaz. vol. 187; p. 253.
- Legris, Edgar S. (See Legris, Joseph and E. S.)
- Legris, Joseph and E. S., Bourbonnais, Ill. Portable conveyor. No. 1,073,054; Sept. 9; Gaz. vol. 194; p. 508.
- Lehigh Coal & Navigation Co. (See Damon, George B., assignor.)
- Lehman, Frank H., assignor of one-half to The Iron City Foundry Company, Lebanon, Pa. Sash-weight. No. 1,050,553; Jan. 14; Gaz. vol. 186; p. 457.
- Lehman, Harley, Oysterville, Wash. Nut-lock. No. 1,061,853; May 13; Gaz. vol. 190; p. 474.
- Lehman, Jay E. (See Beaumont, Beans, and Lehman.)
- Lehman, Joseph H., New York, N. Y. Electrical circuit-controller. No. 1,054,219; Feb. 25; Gaz. vol. 187; p. 926.
- Lehman, Maurice M., Selma, Ala. Stick-candy. No. 1,072,338; Sept. 2; Gaz. vol. 194; p. 225.
- Lehmann, Arthur E., assignor of one-half to E. Leistner, St. Charles, Mo. Window-sash balance. No. 1,059,476; Apr. 22; Gaz. vol. 189; p. 836.
- Lehmann, Firm of Ernest P. (See Voltz, Georg F., assignor.)
- Lehmann, Ernst P., Brandenburg-on-the-Havel, Germany. Spinning device for tops. No. 1,056,283; Mar. 18; Gaz. vol. 188; p. 619.
- Lehmann, Ernst P., Brandenburg-on-the-Havel, Germany. Toy. No. 1,080,465; Dec. 2; Gaz. vol. 197; p. 192.
- Lehotzky, Lorentz, Bridgeport, Ohio, assignor of one-third to F. Kronjaeger, Wheeling, W. Va. Horseshoe. No. 1,082,276; Dec. 23; Gaz. vol. 197; p. 902.
- Lehrke, Edward H., Crosby, Minn. Fence-post. No. 1,081,845; Dec. 16; Gaz. vol. 197; p. 726.
- Lehrmann, Frederick, Turtle Creek, and T. J. Cullen, West Homestead, Pa. Household-sifter. No. 1,070,824; Aug. 19; Gaz. vol. 193; p. 665.
- Lehtonen, Matti, Duluth, Minn. Closet-seat. No. 1,064,148; June 10; Gaz. vol. 191; p. 370.
- Leib, Charles, Philadelphia, Pa. Eye for garments. No. 1,057,067; Mar. 25; Gaz. vol. 188; p. 918.
- Leib, Frederick W., Middletown, Ohio. Wheel. No. 1,082,600; Dec. 30; Gaz. vol. 197; p. 1045.
- Leibholz, Henry, New York, N. Y. Skirt. No. 1,065,258; June 17; Gaz. vol. 191; p. 776.
- Leich Electric Company. (See Leich, Oscar M., assignor.)
- Leich, George. (See Le Gendre and Leich.)
- Leich, Oscar M., assignor to Cracraft-Leich Electric Company, Genoa, Ill. Receiver. No. 1,049,499; Jan. 7; Gaz. vol. 186; p. 61.
- Leich, Oscar M., assignor to Cracraft, Leich Electric Company, Genoa, Ill. Telephone system. No. 1,063,361; June 3; Gaz. vol. 191; p. 64.
- Leichtenschlag, Carl. (See Klement, Kohrs, and Leichtenschlag.)
- Leichtfuss, Herman F., Milwaukee, Wis. Poultry-feeder. No. 1,067,824; July 22; Gaz. vol. 192; p. 760.
- Leidel, Henry, New York, N. Y. Ash-pot. No. 1,080,837; Dec. 9; Gaz. vol. 197; p. 353.
- Leidich, Arthur L., Easton, Pa. Plate-cutter. No. 1,057,857; Apr. 1; Gaz. vol. 189; p. 159.
- Laidich, Sylvester W. (See Metcalf and Leidich.)
- Leiffer, Almon. (See Ross and Leiffer.)
- Leighton, Arnold, Milbridge, Me. Broom attachment. No. 1,055,927; Mar. 11; Gaz. vol. 188; p. 462.
- Leighton, Brigham, San Martin, Cal. Bolt and nut lock. No. 1,058,990; Apr. 15; Gaz. vol. 189; p. 632.
- Leighton, Byron C. (See Farrar and Leighton.)
- Leighton, James A., Estherwood, La. Open-eye needle. No. 1,055,058; Mar. 4; Gaz. vol. 188; p. 137.
- Leighton, John M., Belfast, Ireland. Recording the volume or sectional area of concrete in piles formed in the ground. No. 1,079,014; Nov. 18; Gaz. vol. 196; p. 676.
- Leighty, William J. (See Shupert and Leighty.)
- Leighty, William J., Topeka, Kans. Boiler for articulated locomotives. No. 1,074,877; Oct. 7; Gaz. vol. 195; p. 98.
- Leighty, William J., assignor of one-half to H. W. Jacobs, Topeka, Kans. Concentric valve mechanism for internal-combustion motors. No. 1,054,970; Mar. 4; Gaz. vol. 188; p. 108.
- Leihy, Charles R., Bayfield, Wis. Hoisting and lowering device for life-boats. No. 1,060,103; Apr. 29; Gaz. vol. 189; p. 1084.
- Leik, Henry, Seattle, Wash. Attachment for electric chandeliers. No. 1,072,625; Sept. 9; Gaz. vol. 194; p. 355.
- Leilich, Henry L., assignor to The Delphos Manufacturing Company, Delphos, Ohio. Lap-joint for corrugated roofing. No. 1,068,393; July 22; Gaz. vol. 192; p. 954.
- Leiman, Henry, Tampa, Fla. Collapsible cigar-box. No. 1,053,836; Feb. 18; Gaz. vol. 187; p. 757.
- Leinert, Charles H., Chicago, Ill. Air-drying apparatus. No. 1,060,269; Apr. 29; Gaz. vol. 189; p. 1142.
- Leineweber, Herman, South Chicago, Ill. Airship. No. 1,064,232; June 10; Gaz. vol. 191; p. 399.
- Leinkram, Harry N., New York, N. Y. Necktie. No. 1,068,145; July 22; Gaz. vol. 192; p. 868.
- Leis, Hugh A. (See Rhoads and Leis.)

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- Leisch, Joseph, Tryon, N. C., assignor to The John Church Company, Cincinnati, Ohio. Combined transposition and automatic tracking device for player-pianos. No. 1,062,103; May 20; Gaz. vol. 190; p. 601.
- Leisch, Joseph, Tryon, N. C., assignor to The John Church Company, Cincinnati, Ohio. Pneumatic player-piano. No. 1,062,104; May 20; Gaz. vol. 190; p. 602.
- Leisch, Joseph, Tryon, N. C., assignor to The John Church Company, Cincinnati, Ohio. Player-piano. No. 1,066,632; July 8; Gaz. vol. 192; p. 284.
- Leisch, Joseph, Tryon, N. C., assignor to The John Church Company, Cincinnati, Ohio. Player-piano. No. 1,066,633; July 8; Gaz. vol. 192; p. 284.
- Leisch, Joseph, Tryon, N. C., assignor to The John Church Company, Cincinnati, Ohio. Power-pneumatic for player-pianos. No. 1,066,927; July 8; Gaz. vol. 192; p. 385.
- Leisch, Joseph, Tryon, N. C., assignor to The John Church Company, Cincinnati, Ohio. Player-piano. No. 1,068,509; July 29; Gaz. vol. 192; p. 1032.
- Leishman, Charlotte, Foster, Victoria, Australia. Stamp and label affixer. No. 1,082,346; Dec. 23; Gaz. vol. 197; p. 927.
- Leist, Jacob H., Portland, Oreg. Lath. No. 1,061,389; May 13; Gaz. vol. 190; p. 318.
- Leistner, Erich. (See Lehmann, Arthur E., assignor.)
- Leitch, Meredith, Springfield, Mass. Cupola. No. 1,065,454; June 24; Gaz. vol. 191; p. 881.
- Leitgeb, Hans, assignor to H. F. Sohne and Company, Flushing, N. Y. Paste-applying device. No. 1,065,376; June 24; Gaz. vol. 191; p. 854.
- Leitgeb, John, Great Falls, Mont. Railway signal system. No. 1,071,669; Aug. 26; Gaz. vol. 193; p. 979.
- Leitzman, Gilbert A., Clayton, Ind. Resilient wheel. No. 1,077,612; Nov. 4; Gaz. vol. 196; p. 127.
- Leland, John A., Montague, assignor to Millers Falls Company, Millers Falls, Mass. Chuck. No. 1,063,702; June 3; Gaz. vol. 191; p. 186.
- Leland, John A., Montague, assignor to Millers Falls Company, Millers Falls, Mass. Change-speed gearing. No. 1,063,984; June 10; Gaz. vol. 191; p. 312.
- Leland, Sanford D., Winchester, assignor to Manufacturing, Equipment and Engineering Company, South Framingham, Mass. Metallic stool or chair. No. 1,073,860; Sept. 23; Gaz. vol. 194; p. 846.
- Leloup, Auguste, Langres, France. Dial-protractor. No. 1,060,466; Apr. 29; Gaz. vol. 189; p. 1212.
- Lemale, Charles, Paris, France. Self-propelling torpedo. No. 1,078,687; Nov. 18; Gaz. vol. 196; p. 561.
- Lemay, Arthur S., Jerome, Idaho. Alternating rotary gearing. No. 1,077,354; Nov. 4; Gaz. vol. 196; p. 39.
- Lembke, A. C., *et al.* (See Hall, John G., assignor.)
- Lembke, Charles F., Valparaiso, Ind. Internal-combustion engine. No. 1,076,380; Oct. 21; Gaz. vol. 195; p. 671.
- Leming, Charles A., Connersville, Ind., assignor of one-third to A. H. Brinker and one-third to C. Foster, Hamilton, Ohio. Flushing apparatus. No. 1,066,125; July 1; Gaz. vol. 192; p. 78.
- Lemirand, Theodore, Vans Harbor, Mich. Wall-support for bracket-lamps. No. 1,076,588; Oct. 21; Gaz. vol. 195; p. 746.
- Lemley, Frederick J., Chicago, Ill. Friction-clutch. No. 1,055,192; Mar. 4; Gaz. vol. 188; p. 180.
- Lemmon, Robert A. (See Crothers and Lemmon.)
- Lemon, Addison T., Kansas City, Kans. Combined scrubber and mop. No. 1,062,105; May 20; Gaz. vol. 190; p. 602.
- Lemon, Alvy B., and C. C. Culver, Alluwe, Okla. Hose-coupling. No. 1,076,045; Oct. 21; Gaz. vol. 195; p. 556.
- Lemon, Don M., Boston, assignor of one-half to E. V. Page, Roslindale, Mass. Erasing-machine. No. 1,077,146; Oct. 28; Gaz. vol. 195; p. 990.
- Lemon, John T., Columbus, Ohio. Boiler-flue cleaner. No. 1,079,499; Nov. 25; Gaz. vol. 196; p. 871.
- Lemp, Hermann, Erie, Pa., assignor to General Electric Company. Governor for gas-engines driving alternators in parallel. No. 1,056,557; Mar. 18; Gaz. vol. 188; p. 714.
- Lemp, Hermann, Erie, Pa., assignor to General Electric Company. Starter for hydrocarbon-burners. No. 1,056,697; Mar. 18; Gaz. vol. 188; p. 760.
- Lemp, Hermann, Erie, Pa., assignor to General Electric Company. Pulverizer for oil-engines. No. 1,069,341; Aug. 5; Gaz. vol. 193; p. 89.
- Lemp, Hermann, Erie, Pa., assignor to General Electric Company. Safety device for internal-combustion engines. No. 1,080,765; Dec. 9; Gaz. vol. 197; p. 326.
- Lemp, Hermann, Lynn, Mass., assignor to General Electric Company. Fuel-pump for internal-combustion engines. No. 1,076,436; Oct. 21; Gaz. vol. 195; p. 691.
- Lemp, Hermann, Lynn, Mass., assignor to General Electric Company. Pump for supplying fuel to internal-combustion engines. No. 1,076,502; Oct. 21; Gaz. vol. 195; p. 714.
- Lemp, Hermann, Lynn, Mass., assignor to General Electric Company. Internal-combustion engine. No. 1,076,589; Oct. 21; Gaz. vol. 195; p. 746.
- Len, Eric H., Los Angeles, Cal. Carpenter's tool. No. 1,056,917; Mar. 25; Gaz. vol. 188; p. 866.
- Lenahan, Michael. (See Miller, Cornelius, assignor.)
- Lender, Francis, St. Petersburg, Russia. Reversing-gearing. No. 1,061,190; May 6; Gaz. vol. 190; p. 214.
- Lendgren, Alfred, Corning, Iowa. Heel top-lift. No. 1,077,535; Nov. 4; Gaz. vol. 196; p. 104.
- Lendner, Augustus R., Los Angeles, Cal., and F. Briggs, Washington, D. C. Apparatus for cooking meats. No. 1,073,915; Sept. 23; Gaz. vol. 194; p. 866.
- Leng, Christian F., New York, N. Y. Bottle-valve. No. 1,069,443; Aug. 5; Gaz. vol. 193; p. 125.
- Lenihan, Michael J., Philadelphia, Pa. Metal-worker's perforating-machine. No. 1,060,772; May 6; Gaz. vol. 190; p. 71.
- Lenier, Jens F. J., Copenhagen, Denmark. Machine for sewing linings to articles of clothing. No. 1,065,058; June 17; Gaz. vol. 191; p. 709.
- Lennes, Joseph, *et al.* (See Moss, Bertie B., assignor.)
- Lennon, Watson S., Tucson, Ariz. Car-coupling. No. 1,054,298; Feb. 25; Gaz. vol. 187; p. 950.
- Lennon, William, Manitou, Colo. Trough or open flume. (Reissue.) No. 13,586; June 24; Gaz. vol. 191; p. 1043.
- Lennon, William J., Central Falls, R. I. Test-plug. No. 1,059,053; Apr. 15; Gaz. vol. 189; p. 653.
- Lenoir, Milton C., assignor, by mesne assignments, to F. M. Lewis, Chicago, Ill. Differential mechanism. No. 1,052,155; Feb. 4; Gaz. vol. 187; p. 109.
- Lentz, Charles R., assignor of one-half to J. H. Shoaf, Indianapolis, Ind. Machine for mechanically cleaning cracker and cake cutters. No. 1,053,954; Feb. 18; Gaz. vol. 187; p. 797.
- Lentz, George W., Indianapolis, Ind. Sanding-machine. No. 1,054,006; Feb. 25; Gaz. vol. 187; p. 852.
- Lentz, Hugo, Grunewald, near Berlin, Germany. Pump for liquid-gears. No. 1,054,574; Feb. 25; Gaz. vol. 187; p. 1046.
- Lentz, Hugo, Halensee, near Berlin, Germany. Multi-cylinder internal-combustion engine. No. 1,074,055; Sept. 23; Gaz. vol. 194; p. 912.
- Lenzi, Paul. (See Courson, Cornelius F., assignor.)
- Leonard, Edwin L., Woodward, Okla. Noiseless sole. No. 1,063,205; June 3; Gaz. vol. 191; p. 13.
- Leonard, Eloy R., Woodcliff, N. J. Fusible chain-link. No. 1,083,019; Dec. 30; Gaz. vol. 197; p. 1190.
- Leonard, Emma H., Chelsea, London, assignor of one-half to B. M. Shera, Chelsea, England. Lady's veil-holder. No. 1,078,362; Nov. 11; Gaz. vol. 196; p. 419.
- Leonard, George E., Garden City, N. Y. Computing device. No. 1,076,680; Oct. 23; Gaz. vol. 195; p. 830.
- Leonard, George H. (See Dyer and Leonard.)
- Leonard, George I., assignor to Leonard Rotary Pump Corporation, Los Angeles, Cal. Rotary pressure or vacuum pump. No. 1,068,251; July 22; Gaz. vol. 192; p. 905.
- Leonard, Harry W., Bronxville, N. Y. Electrical controlling device. No. 1,061,191; May 6; Gaz. vol. 190; p. 215.
- Leonard, Harry W., Bronxville, N. Y. Means for controlling electromotive force. No. 1,061,192; May 6; Gaz. vol. 190; p. 215.
- Leonard, Harry W., Bronxville, N. Y. Electric-current controller. No. 1,064,749; June 17; Gaz. vol. 191; p. 611.
- Leonard, Harry W., Bronxville, N. Y. Electric-current controller. No. 1,074,878; Oct. 7; Gaz. vol. 195; p. 98.
- Leonard, Harry W., Bronxville, N. Y. Motor-controlling means. No. 1,074,961; Oct. 7; Gaz. vol. 195; p. 126.
- Leonard, Harry W., Bronxville, N. Y. Electric railway and electric-motor control. No. 1,076,214; Oct. 21; Gaz. vol. 195; p. 613.
- Leonard, Harry W., Bronxville, N. Y. Controller for electric motors and similar devices. No. 1,077,613; Nov. 4; Gaz. vol. 196; p. 128.
- Leonard, Harry W., Bronxville, N. Y. Controller for electric motors and similar devices. No. 1,077,614; Nov. 4; Gaz. vol. 196; p. 128.
- Leonard, Harry W., Bronxville, N. Y. Controller for electric motors and similar devices. No. 1,077,615; Nov. 4; Gaz. vol. 196; p. 129.
- Leonard, John D., Kenneth, Mich. Mail-bag catcher and deliverer. No. 1,061,854; May 13; Gaz. vol. 190; p. 474.
- Leonard, Joseph E., Springfield, Mo. Cooking-stove. No. 1,053,837; Feb. 18; Gaz. vol. 187; p. 757.
- Léonard, Jules, Parc-St-Maur, France. Elastic wheel. No. 1,051,132; Jan. 20; Gaz. vol. 186; p. 689.
- Leonard, Mary L., Albany, N. Y. Adjustable table. No. 1,082,884; Dec. 30; Gaz. vol. 197; p. 1145.
- Leonard, Mike, Curtis, Ark. Railway-tie plate. No. 1,050,670; Jan. 14; Gaz. vol. 186; p. 494.
- Leonard, Patrick A., Schenectady, N. Y. Manufacture of multiple-throw crank-shafts. No. 1,070,619; Aug. 19; Gaz. vol. 193; p. 597.
- Leonard Rotary Pump Corporation. (See Leonard, George I., assignor.)
- Leonard, William C., Walla Walla, Wash., assignor to Inland Automatic Thresher and Machinery Co. Ltd., Post Falls, Idaho. Feeder for grain-separators. No. 1,067,355; July 15; Gaz. vol. 192; p. 568.
- Leone, Dominick F., Anaconda, Mont. Water-feeding attachment. No. 1,079,869; Nov. 25; Gaz. vol. 196; p. 1001.

Alphabetical list of patentees.—Continued.

- Leonhard, Frederick, Cleveland, Ohio. Regulator. No. 1,055,193; Mar. 4; Gaz. vol. 188; p. 181.
- Leonhardt, Edward M., Baltimore, Md., assignor to Leonhardt Wagon Manufacturing Company, of Baltimore City. Wagon. No. 1,055,059; Mar. 4; Gaz. vol. 188; p. 138.
- Leonhardt Wagon Manufacturing Company, of Baltimore City. (See Leonhardt, Edward M., assignor.)
- Leopold, George O. (See Pegley and Leopold.)
- Leopold, George O., assignor to North Bro's Mfg Co., Philadelphia, Pa. Chain-drill. No. 1,060,467; Apr. 29; Gaz. vol. 189; p. 1212.
- Leopold, George O., assignor to North Bro's Mfg Co., Philadelphia, Pa. Bench-drill. No. 1,073,500; Sept. 16; Gaz. vol. 194; p. 700.
- Lepage, Joseph E., Two Harbors, Minn. Combination-tool. No. 1,059,883; Apr. 22; Gaz. vol. 189; p. 967.
- Lepaige, Charles E. (See Graham and Lepaige.)
- Lepetit, Dollfus and Gansser. (See Gianoli, Giuseppe, assignor.)
- Lepine, Joseph W. (See Arbour and Lepine.)
- Lepperd, Charles J. (See McEvoy and Lepperd.)
- Leppert, Henry E., New Britain, assignor to The Hart Manufacturing Company, Hartford, Conn. Switch. No. 1,058,071; Apr. 8; Gaz. vol. 189; p. 275.
- Lerche, Julius, Steglitz, assignor to Deutsche Post- und Eisenbahn-Verkehrswesen Aktiengesellschaft, (Dapag-Efubag,) Staaken, near Spandau, Germany. Device for dispensing postage-stamps. No. 1,066,126; July 1; Gaz. vol. 192; p. 78.
- Lesem, Isidor, Wichita, Kans. Display-rack. No. 1,050,671; Jan. 14; Gaz. vol. 186; p. 494.
- Lesh, William H., Des Moines, Iowa. Rail joint and chair. No. 1,075,044; Oct. 7; Gaz. vol. 195; p. 157.
- Lesko, Stephen A., Kulpmont, Pa. Whip-socket. No. 1,057,858; Apr. 1; Gaz. vol. 189; p. 159.
- Leslie, A. H. (See Morgan, Daniel, assignor.)
- Leslie, Bradford, London, England. Drawbridge. No. 1,078,293; Nov. 11; Gaz. vol. 196; p. 393.
- Leslie, Edmon, Marshallton, Iowa. Smoke-consumer. No. 1,063,130; May 27; Gaz. vol. 190; p. 983.
- Leslie, Horace A., trustee. (See Richter, Harry J., assignor.)
- Leslie Manufacturing Company. (See Winn, Richard T., assignor.)
- Leslie R. Saunders Company. (See Saunders, Leslie R., assignor.)
- Leslie, Roscoe R., and W. H. Hollopeter, San Francisco, Cal. Chandelier. No. 1,056,806; Mar. 25; Gaz. vol. 188; p. 828.
- Leslie, Sylvester F., West Maitland, New South Wales, Australia. Automatic coupling. No. 1,072,626; Sept. 9; Gaz. vol. 194; p. 355.
- Leslie, Thomas W., New York, N. Y. Mop. No. 1,064,502; June 10; Gaz. vol. 191; p. 491.
- Lesourd, Georges, Paris, France. Apparatus for raising submerged bodies. No. 1,079,500; Nov. 25; Gaz. vol. 196; p. 871.
- Lesser, Felix, and A. H. Avery, New York, N. Y., assignors to Spray Ozone Company. Apparatus for moistening, deodorizing, disinfecting, perfuming, and cooling air. No. 1,068,964; July 22; Gaz. vol. 192; p. 840.
- Lesser Gebrüder. (See Lesser, Max, assignor.)
- Lesser, Max, assignor to Gebrüder Lesser, Posen, Germany. Potato-planter. No. 1,068,673; July 29; Gaz. vol. 192; p. 1089.
- Lessing, Albin, West Hoboken, N. J. Picture-displaying box. No. 1,058,445; Apr. 8; Gaz. vol. 189; p. 407.
- Lessy, Lloyd. (See Roberts, Bert C., assignor.)
- Lester, William J., Kearney, N. J. Reducing or regulating valve. No. 1,056,344; Mar. 18; Gaz. vol. 188; p. 637.
- Lestrade, Philip, New Orleans, La. Thill-tug. No. 1,049,881; Jan. 7; Gaz. vol. 186; p. 191.
- Letora, John, Tuolumne, Cal. Non-refillable bottle. No. 1,078,737; Nov. 18; Gaz. vol. 196; p. 579.
- Lettré, Philip H., Attleboro Falls, Mass. Box-fastener. No. 1,076,897; Oct. 28; Gaz. vol. 195; p. 908.
- Letz, Charles M., Chicago, Ill. Reinforcement for printing-plates. No. 1,076,046; Oct. 21; Gaz. vol. 195; p. 556.
- Leuchsenring, Hermann. (See Davis and Leuchsenring.)
- Leue, Georg, Wilmersdorf, near Berlin, Germany. Transporter. No. 1,053,305; Feb. 18; Gaz. vol. 187; p. 576.
- Leupold, Richard J., assignor of one-half to C. A. Mealy, Baltimore, Md. Veil-coupling. No. 1,050,771; Jan. 14; Gaz. vol. 186; p. 527.
- Leuthesser, Fred W., Chicago, Ill. Air-valve for radiators. No. 1,062,407; May 20; Gaz. vol. 190; p. 703.
- Leuthesser, Fred W., Chicago, Ill. Air-valve for radiators. No. 1,075,294; Oct. 7; Gaz. vol. 195; p. 245.
- Leuvelink, Gerrit J., Paterson, N. J. Rail-joint. No. 1,055,767; Mar. 11; Gaz. vol. 188; p. 410.
- Levalley, Christopher W., Milwaukee, Wis. Concrete-mixer. No. 1,067,041; July 8; Gaz. vol. 192; p. 422.
- Levalley, Christopher W., Milwaukee, Wis. Concrete-mixer. No. 1,067,042; July 8; Gaz. vol. 192; p. 422.
- Levalley, Christopher W., Milwaukee, Wis. Mixing-machine. No. 1,067,180; July 8; Gaz. vol. 192; p. 470.
- Levalley, Christopher W., Milwaukee, Wis. Concrete-mixing apparatus. No. 1,067,181; July 8; Gaz. vol. 192; p. 470.
- Levalley, Christopher W., Milwaukee, Wis. Loading device for mixing-machines. No. 1,067,182; July 8; Gaz. vol. 192; p. 471.
- Levan, John, assignor to The Curtain Supply Company, Chicago, Ill. Extensible curtain-roller. No. 1,050,473; Jan. 14; Gaz. vol. 186; p. 428.
- Levedahl, Axel, assignor to Aurora Automatic Machinery Company, Aurora, Ill. Valve for explosive-engines. No. 1,062,285; May 20; Gaz. vol. 190; p. 663.
- Levee, Samuel H., and M. Tickoshinsky, Chicago, Ill. Shoe attachment. No. 1,055,768; Mar. 11; Gaz. vol. 188; p. 411.
- Levene, Albert H., Rochelle Park, N. J. Metallic partition. No. 1,054,575; Feb. 25; Gaz. vol. 187; p. 1046.
- Levene, Josiah S. (See Coakley and Levene.)
- Lever, Sims, Sydney, New South Wales, Australia. Neck-band of shirts, blouses, and the like. No. 1,076,381; Oct. 21; Gaz. vol. 195; p. 672.
- Leveridge, Charles W. (See Leveridge, Rowland H., assignor.)
- Leveridge, Charles W. (See Leveridge, Walter J., assignor.)
- Leveridge, Rowland H., Plainfield, N. J., assignor to C. W. Leveridge, New York, N. Y. Locked guard for electric-lamp bulbs. No. 1,050,149; Jan. 14; Gaz. vol. 186; p. 316.
- Leveridge, Walter J., Plainfield, N. J., assignor to C. W. Leveridge, New York, N. Y. Fire-alarm signal-box. No. 1,080,354; Dec. 2; Gaz. vol. 197; p. 154.
- Levering, William A., assignor to Standard Asphalt & Rubber Co., Chicago, Ill. Bituminous putty. No. 1,082,640; Dec. 30; Gaz. vol. 197; p. 1060.
- Levesque, Auguste, New Bedford, Mass. Trolley-pole. No. 1,065,818; June 24; Gaz. vol. 191; p. 1003.
- Levi, Benjamin, New York, N. Y. Sheet-conveying machine. No. 1,052,007; Feb. 4; Gaz. vol. 187; p. 56.
- Levi, Samuel J., and T. A. and A. H. Rose, London, England. Portable electric reading-lamp. No. 1,078,445; Nov. 11; Gaz. vol. 196; p. 448.
- Levick, Alban O., assignor of one-third to H. W. Hussey, Peabody, Mass. Globe-valve. No. 1,072,744; Sept. 9; Gaz. vol. 194; p. 396.
- Levick, Alvan O., and W. H. Hussey, Peabody, Mass. Engine-starter. No. 1,071,444; Aug. 26; Gaz. vol. 193; p. 905.
- Levin, Asher, Baltimore, Md. Buttonhole measuring and cutting machine. No. 1,071,445; Aug. 26; Gaz. vol. 193; p. 905.
- Levin, Isaac, New York, N. Y. Adjustable garment-form. No. 1,060,270; Apr. 29; Gaz. vol. 189; p. 1143.
- Levin, Isaac, Brooklyn, N. Y. Garment-form. No. 1,065,377; June 24; Gaz. vol. 191; p. 855.
- Levin, Jacob A., Chicago, Ill. Biscuit or food product. No. 1,054,695; Mar. 4; Gaz. vol. 188; p. 14.
- Levin, Nils D., Chicago, Ill., assignor to The Jeffrey Manufacturing Company, Columbus, Ohio. Motor-vehicle. No. 1,062,172; May 20; Gaz. vol. 190; p. 624.
- Levin, Nils D., Columbus, Ohio, assignor to The Jeffrey Manufacturing Company. Connecting device for electric conductors. No. 1,082,032; Dec. 23; Gaz. vol. 197; p. 817.
- Levin, Samuel I. (See Frude, Frank H., assignor.)
- Levine, Louis, *et al.* (See Zaiden, Davis, assignor.)
- Lervine, Louis, assignor of one-half to J. S. Snyder, Northport, N. Y. Mold. No. 1,076,681; Oct. 28; Gaz. vol. 195; p. 831.
- Levine, Samuel, Cleveland, Ohio. Combined ellipsograph and square. No. 1,069,555; Aug. 5; Gaz. vol. 193; p. 161.
- Levinstein, Herbert, and J. Baddiley, Blackley, assignors to Levinstein Limited, Manchester, England. Dye-stuffs and their production. No. 1,052,262; Feb. 4; Gaz. vol. 187; p. 144.
- Levinstein Limited. (See Levinstein and Baddiley, assignors.)
- Levison, Maurice, assignor to Chicago Signal Company, Chicago, Ill. Signaling device. No. 1,080,287; Dec. 2; Gaz. vol. 197; p. 129.
- Leviston, Walla. (See Rich, George F., assignor.)
- Levorsen, Amund, Lightfoot, Va. Alarm-signal. No. 1,063,703; June 3; Gaz. vol. 191; p. 187.
- Levy, Achille. (See Albertsen, Boje R., assignor.)
- Levy, Alfred, assignor to A. Waldberg, Paris, France. Electrolytic solution for cleaning metallic articles. No. 1,061,089; May 6; Gaz. vol. 190; p. 181.
- Levy, Charles M., New York, N. Y. Bracelet. No. 1,079,354; Nov. 25; Gaz. vol. 196; p. 821.
- Levy, Eugene. (See Craig, Alfred O., assignor.)
- Levy, Firm of Henri. (See Belz, Albert, assignor.)
- Levy, Firm of Henri. (See Belz, August, assignor.)
- Levy, Harry, Boston, Mass. Collapsible-landing-net holder. No. 1,077,481; Nov. 4; Gaz. vol. 196; p. 86.
- Levy, Isaac, Oakland, Cal. Plate-gage for sewing-machines. No. 1,061,090; May 6; Gaz. vol. 190; p. 181.
- Lévy, Jules, Paris, France. Horse-collar. No. 1,082,347; Dec. 23; Gaz. vol. 197; p. 927.
- Levy, Leopold D., Panama, Panama. Combined calendar and pencil. No. 1,070,496; Aug. 19; Gaz. vol. 193; p. 556.
- Lewenhoff, Lewis. (See Lichter and Lewenhoff.)

Alphabetical list of patentees—Continued.

- Lewin, Isidor H., New York, N. Y. Medical cabinet. No. 1,059,172; Apr. 15; Gaz. vol. 189; p. 693.
- Lewinski, William, assignor of one-third to J. E. Barr and one-third to C. S. French, Lake Geneva, Wis. Fountain-comb. No. 1,067,930; July 22; Gaz. vol. 192; p. 794.
- Lewis, Abraham W., Trenton, N. J. Water-pipe system. No. 1,056,698; Mar. 18; Gaz. vol. 188; p. 761.
- Lewis, Albert H., Bellevue, Ohio. Gas-furnace. No. 1,080,838; Dec. 9; Gaz. vol. 197; p. 354.
- Lewis, Albert H., assignor of one-third to C. R. Starker and one-third to C. C. Starker, New Comerstown, Ohio. Collapsible core-bar. No. 1,078,446; Nov. 11; Gaz. vol. 196; p. 448.
- Lewis, Alfred, Dalston, London, England. Ticket-punch. No. 1,068,510; July 29; Gaz. vol. 192; p. 1033.
- Lewis, Allen H., Wichita, Kans. Vehicle signal device. No. 1,054,007; Feb. 25; Gaz. vol. 187; p. 853.
- Lewis, Arthur M., assignor to The International Sprinkler Company, Philadelphia, Pa. Automatic sprinkler. No. 1,082,348; Dec. 23; Gaz. vol. 197; p. 927.
- Lewis, Benjamin B., Bridgeport, Conn. Starting device for explosive-engines. No. 1,082,885; Dec. 30; Gaz. vol. 197; p. 1145.
- Lewis, Charles B., Emigsville, Pa. Stopper, bung, or the like. No. 1,051,242; Jan. 21; Gaz. vol. 186; p. 725.
- Lewis, Charles E., Los Angeles, and C. Hinman, South Pasadena, Cal. Extension means for tables, &c. No. 1,065,534; June 24; Gaz. vol. 191; p. 908.
- Lewis, Charles S., St. Louis, Mo. Measuring device. No. 1,066,127; July 1; Gaz. vol. 192; p. 79.
- Lewis, Charles S., St. Louis, Mo. Pump-priming mechanism. No. 1,080,917; Dec. 9; Gaz. vol. 197; p. 380.
- Lewis, Chester A., St. Louis, Mo. Airship. No. 1,062,545; May 20; Gaz. vol. 190; p. 747.
- Lewis, Clifford A., assignor to Oregon Electric Gun Co., Portland, Ore. Light attachment for firearms. No. 1,070,348; Aug. 12; Gaz. vol. 193; p. 462.
- Lewis, Daniel. (See Wells and Lewis.)
- Lewis, David W., Norwood, Ohio. Envelop closing and sealing device. No. 1,071,524; Aug. 26; Gaz. vol. 193; p. 931.
- Lewis, Edward C., assignor to Lewis & Kitchen, Chicago, Ill. Latrine-incinerator. No. 1,069,962; Aug. 12; Gaz. vol. 193; p. 329.
- Lewis, Edward C., assignor to Lewis & Kitchen, Chicago, Ill. Latrine-incinerator. No. 1,070,045; Aug. 12; Gaz. vol. 193; p. 358.
- Lewis, Edward G. (See Daniel and Lewis.)
- Lewis, Edward Z., Chicago, Ill. Billing-sheet and billing device. No. 1,050,474; Jan. 14; Gaz. vol. 186; p. 429.
- Lewis, Edward Z., Chicago, Ill., assignor to The General Manifold and Printing Company, Franklin, Pa. Manifold salesman's check. No. 1,061,301; May 13; Gaz. vol. 190; p. 288.
- Lewis Foundry and Machine Company. (See Osler, Jay T., assignor.)
- Lewis, Frank H., Hillsboro, Ill. Cigar-lighting appliance. No. 1,069,621; Aug. 5; Gaz. vol. 193; p. 183.
- Lewis, Frank M. (See Lenoir, Milton C., assignor.)
- Lewis, Frank M. (See Taylor, Clarence W., assignor.)
- Lewis, Frank W., Indianapolis, Ind. Foundry apparatus. No. 1,069,795; Aug. 12; Gaz. vol. 193; p. 273.
- Lewis, George S., Springfield, assignor to J. Stevens Arms & Tool Company, Chicopee Falls, Mass. Firearm. No. 1,059,477; Apr. 22; Gaz. vol. 189; p. 837.
- Lewis, George S., Springfield, assignor to J. Stevens Arms & Tool Company, Chicopee Falls, Mass. Rebounding hammer. No. 1,070,145; Aug. 12; Gaz. vol. 193; p. 393.
- Lewis, Goodrich Q., Wheaton, assignor to W. H. Miner, Chicago, Ill. Draft-rigging for railway-cars. No. 1,070,046; Aug. 12; Gaz. vol. 193; p. 358.
- Lewis, Harry A., Norristown, Pa., assignor to Westinghouse Electric and Manufacturing Company. System of electric-motor control. No. 1,049,377; Jan. 7; Gaz. vol. 186; p. 20.
- Lewis, Harry S., administrator. (See Lewis, James P.)
- Lewis, I. K. (See Rakowsky, Gustav A., assignor.)
- Lewis, Isabel L., Syracuse, N. Y. Fountain-mop. No. 1,054,696; Mar. 4; Gaz. vol. 188; p. 14.
- Lewis, James, Montrose, W. Va. Chair. No. 1,083,215; Dec. 30; Gaz. vol. 197; p. 1251.
- Lewis, James C. (See Barker, Frederic R., assignor.)
- Lewis, James C., Los Angeles, Cal. Wave-motor. No. 1,061,091; May 6; Gaz. vol. 190; p. 182.
- Lewis, James C., Los Angeles, and I. Knoch, Susanville, Cal. Shade-roller. No. 1,058,310; Apr. 8; Gaz. vol. 189; p. 358.
- Lewis, James N., Los Angeles, Cal. Centrifugal pumping mechanism. No. 1,053,615; Feb. 18; Gaz. vol. 187; p. 683.
- Lewis, James P., deceased, Beaver Falls, N. Y.; H. S. Lewis, administrator. Composite wood-pulp sheet. No. 1,063,941; June 3; Gaz. vol. 191; p. 265.
- Lewis, Joe V., et al. (See Lewis, John T., assignor.)
- Lewis, John F., Philadelphia, Pa. Shaping hollow metal articles. No. 1,062,719; May 27; Gaz. vol. 190; p. 848.
- Lewis, John F., Philadelphia, Pa. Automatic grease-cup. No. 1,066,928; July 8; Gaz. vol. 192; p. 386.
- Lewis, John G. (See McCool, William A., assignor.)
- Lewis, John H., Weiser, Idaho. Wire-stretcher. No. 1,069,556; Aug. 5; Gaz. vol. 193; p. 161.
- Lewis, John T., assignor of one-third to W. E. Phillips and one-third to J. V. Lewis, Alva, Fla. Screw-cutting die. No. 1,052,071; Feb. 4; Gaz. vol. 187; p. 78.
- Lewis, John W., Dexter, Kans. Railway-track construction. No. 1,050,475; Jan. 14; Gaz. vol. 186; p. 429.
- Lewis, John W., San Francisco, Cal. Umbrella. No. 1,081,126; Dec. 9; Gaz. vol. 197; p. 445.
- Lewis, Joseph E., Baltimore, Md. Tube-coiling machine. No. 1,075,045; Oct. 7; Gaz. vol. 195; p. 157.
- Lewis, Joseph W., Wilkesburg, Pa., assignor to Westinghouse Electric and Manufacturing Company. Mercury-vapor rectifier. No. 1,078,629; Nov. 18; Gaz. vol. 196; p. 540.
- Lewis & Kitchen. (See Lewis, Edward C., assignor.)
- Lewis, Lloyd V., Edgewood Park, assignor to The Union Switch & Signal Company, Swissvale, Pa. Buffing device. No. 1,070,970; Aug. 19; Gaz. vol. 193; p. 712.
- Lewis, Myron H., and C. Cossin, New York, N. Y. Surveyor's reel. No. 1,058,311; Apr. 8; Gaz. vol. 189; p. 359.
- Lewis, Nelson, Boulder, Colo. Fly-screen. No. 1,077,247; Oct. 23; Gaz. vol. 195; p. 1023.
- Lewis, Ora D., Rushville, Ill. Playing-cards. No. 1,062,720; May 27; Gaz. vol. 190; p. 848.
- Lewis, Robert, and J. M. Kinnaman, St. Joseph, Mo. Automatic sanitary bread-server. No. 1,064,503; June 10; Gaz. vol. 191; p. 492.
- Lewis, Robert L., assignor to Challenge Company, Batavia, Ill. Tank-band fastener. No. 1,070,497; Aug. 19; Gaz. vol. 193; p. 556.
- Lewis, Samuel H., Princeton, W. Va. Cylinder construction. No. 1,074,056; Sept. 23; Gaz. vol. 194; p. 913.
- Lewis, Theodore G., assignor to Buffalo Dental Manufacturing Company, Buffalo, N. Y. Soldering-block holder. No. 1,067,993; July 22; Gaz. vol. 192; p. 815.
- Lewis, Thomas. (See Windsor-Richards and Lewis.)
- Lewis, Thomas E., Scranton, Pa. Air-heating stove-hd. No. 1,069,444; Aug. 5; Gaz. vol. 193; p. 125.
- Lewis, Walter A., Batavia, Iowa. Coin-holder. No. 1,061,551; May 13; Gaz. vol. 190; p. 376.
- Lewis, Wilbur E., Dade City, Fla. Roller-bearing. No. 1,073,501; Sept. 16; Gaz. vol. 194; p. 700.
- Lewis, Wilfred, Philadelphia, Pa. Power-hammer. No. 1,057,647; Apr. 1; Gaz. vol. 189; p. 86.
- Lewis, Wilfred, assignor to The Tabor Manufacturing Company, Philadelphia, Pa. Leveling-support for molders' flasks. No. 1,050,281; Jan. 14; Gaz. vol. 186; p. 360.
- Lewis, Wilfred, assignor, by mesne assignments, to The Tabor Manufacturing Company, Philadelphia, Pa. Molding-machine. No. 1,055,336; Mar. 11; Gaz. vol. 188; p. 266.
- Lewis, Wilfred, assignor, by mesne assignments, to The Tabor Manufacturing Company, Philadelphia, Pa. Molding-machine. No. 1,066,825; July 8; Gaz. vol. 192; p. 350.
- Lewis, Wilfred, assignor, by mesne assignments, to The Tabor Manufacturing Company, Philadelphia, Pa. Apparatus for measuring belts under tension. No. 1,066,826; July 8; Gaz. vol. 192; p. 350.
- Lewis, Wilfred, assignor to The Tabor Manufacturing Company, Philadelphia, Pa. Molding-machine. No. 1,071,064; Aug. 26; Gaz. vol. 193; p. 779.
- Lewis, Wilfred, and J. T. Ramsden, assignors to The Tabor Manufacturing Company, Philadelphia, Pa. Molding-machine. No. 1,072,395; Sept. 2; Gaz. vol. 194; p. 246.
- Lewis, William, Kampeska, S. D. Electric mail-exchange. No. 1,053,306; Feb. 18; Gaz. vol. 187; p. 576.
- Lewis, William, Utica, N. Y. Spring-seat. No. 1,062,597; May 27; Gaz. vol. 190; p. 807.
- Lewis, William D. (See Harris, Mary F., assignor.)
- Lewis, William H., and J. A. Pilcher, Roanoke, Va. Car-truck. No. 1,054,697; Mar. 4; Gaz. vol. 188; p. 14.
- Lewis, William H., and J. A. Pilcher, Roanoke, Va. Brake arrangement for six-wheel trucks. No. 1,068,674; July 29; Gaz. vol. 192; p. 1089.
- Lewis, William L., Philadelphia, Pa. Automatic change-over switch for wireless-telegraph receiving and sending apparatus. No. 1,074,057; Sept. 23; Gaz. vol. 194; p. 913.
- Lewis, William M. (See Bigsby and Lewis.)
- Lewis, William M., Norfolk, Va. Wagon-jack. No. 1,074,184; Sept. 30; Gaz. vol. 194; p. 984.
- Lewis, William M., New Hartford, Iowa. Metal fence-post. No. 1,075,984; Oct. 14; Gaz. vol. 195; p. 507.
- Lewis, William W., Garnet, W. Va. Dumping-gate. No. 1,082,127; Dec. 23; Gaz. vol. 197; p. 849.
- Lewis, William W., assignor of one-half to C. E. B. Williams and W. J. Capron, Oneida, N. Y. Trolling-spoon. No. 1,062,980; May 27; Gaz. vol. 190; p. 934.
- Lewisohn, John, New York, N. Y. Making colored photographic reproductions. No. 1,071,559; Aug. 26; Gaz. vol. 193; p. 943.
- Lewkowicz, Anthony J., New York, N. Y., assignor to The Martin Marine Life Saving Devices, Limited, Toronto, Ontario, Canada. Boat hoisting and lowering apparatus. No. 1,053,047; Feb. 11; Gaz. vol. 187; p. 443.
- Lewry, Mahlon. (See Records and Lewry.)

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- Lewy, Charles H., Chicago, Ill. Drawers for women. No. 1,063,362; June 3; Gaz. vol. 191; p. 65.
- Lewyt, Arthur, Brooklyn, assignor to International Tailoring Co., New York, N. Y. Book-stand. No. 1,064,077; June 10; Gaz. vol. 191; p. 345.
- Lexow, Frederick H. (See Truesdell, Joseph A., assignor.)
- Ley, George A., South Bend, Ind. Photographic-printing apparatus. No. 1,052,732; Feb. 11; Gaz. vol. 187; p. 333.
- Ley, Hermann, Elberfeld, Germany. Purifying sodium-phosphate waste liquors. No. 1,049,740; Jan. 7; Gaz. vol. 186; p. 144.
- Ley, Michael A., Cadillac, Mich. Litter-carrier. No. 1,052,672; Feb. 11; Gaz. vol. 187; p. 315.
- Leyda, Charles E., assignor of one-half to L. Llewellyn, Pittsburgh, Pa. Elevating machinery. No. 1,071,247; Aug. 26; Gaz. vol. 193; p. 840.
- Leyendekkers, Henry. (See Creswell, William H., assignor.)
- Leyes, Charles J. (See Lutz and Leyes.)
- Leyner, John G., Denver, Colo. Water-conveying apparatus for ejecting rock-drillings for rock-drilling engines. No. 1,058,073; Apr. 8; Gaz. vol. 189; p. 276.
- Leyner, John G., Denver, Colo. Valve mechanism for rock-drilling engines. No. 1,058,074; Apr. 8; Gaz. vol. 189; p. 277.
- Leyner, John G., Denver, Colo. Pneumatic feeding device for stoping-drills. No. 1,065,059; June 17; Gaz. vol. 191; p. 710.
- Leyner, John G., Denver, Colo. Flexible foot-supporting column for rock-drilling engines. No. 1,065,060; June 17; Gaz. vol. 191; p. 710.
- Leyner, John G., Denver, Colo. Multiple-function controlling throttle-valve. No. 1,065,061; June 17; Gaz. vol. 191; p. 711.
- Leyner, John G., Denver, Colo. Dies for drill-making machines. No. 1,078,295; Nov. 11; Gaz. vol. 196; p. 395.
- Leyner John G., Denver, assignor to The J. Geo. Leyner Engineering Works Company, Littleton, Colo. Rock-drilling engine. No. 1,058,072; Apr. 8; Gaz. vol. 189; p. 275.
- Leyner, John G., Denver, assignor to The J. Geo. Leyner Engineering Works Company, Littleton, Colo. Triple-purpose valve for drill-bit-sharpening machines. No. 1,065,062; June 17; Gaz. vol. 191; p. 712.
- Leyner, John G., Denver, assignor to The J. Geo. Leyner Engineering Works Company, Littleton, Colo. Rock-drilling engine. (Reissue.) No. 1,3614; Sept. 9; Gaz. vol. 194; p. 519.
- Leyner, John G., Denver, assignor to The J. Geo. Leyner Engineering Works Company, Littleton, Colo. Oil-burning forge. No. 1,078,154; Nov. 11; Gaz. vol. 196; p. 345.
- Leyner, John G., Denver, assignor to The J. Geo. Leyner Engineering Works Company, Littleton, Colo. Drill-sharpening machine. No. 1,078,294; Nov. 11; Gaz. vol. 196; p. 394.
- Leyner, John G., Denver, assignor to The J. Geo. Leyner Engineering Works Company, Littleton, Colo. Rock-drilling stoping-drill. No. 1,082,162; Dec. 23; Gaz. vol. 197; p. 859.
- Li, Yu Y., Vallées, France. Manufacturing products from soja. No. 1,064,841; June 17; Gaz. vol. 191; p. 640.
- Liati, Cosmo, New Haven, Conn. Fire and burglar alarm. No. 1,051,133; Jan. 21; Gaz. vol. 186; p. 689.
- Libbey, Frank O. (See Guernsey, Charles C., assignor.)
- Libbey, Isaiah B., Charlottesville, Va. Unloading device. No. 1,054,576; Feb. 25; Gaz. vol. 187; p. 1047.
- Libbey, Isaiah B., Charlottesville, Va. Cofferdam. No. 1,057,859; Apr. 1; Gaz. vol. 189; p. 160.
- Libby, Charles F. (See Donnelly, John R., assignor.)
- Libby, Charles T., Portland, Me. Printing-types. No. 1,051,243; Jan. 21; Gaz. vol. 186; p. 726.
- Libby, Frederick J., Tacoma, Wash. Combined car stake and bunk. No. 1,057,563; Apr. 1; Gaz. vol. 189; p. 57.
- Libby, Harry T., Alvin, Tex. Orchard-heater. No. 1,072,242; Sept. 2; Gaz. vol. 194; p. 194.
- Libby, Sam H., East Orange, N. J., assignor to General Electric Company. Suspension device for monorail cranes. No. 1,077,726; Nov. 4; Gaz. vol. 196; p. 165.
- Libby, Sam H., East Orange, N. J., assignor to General Electric Company. Gliding switch for overhead monorail tramways. No. 1,078,051; Nov. 11; Gaz. vol. 196; p. 310.
- Libenseck, Rudolf, Elizabeth, Pa. Reversible seat for chairs. No. 1,055,337; Mar. 11; Gaz. vol. 188; p. 266.
- Liberman, Bernard, Philadelphia, Pa. Cigar-wrapper moistener and container. No. 1,082,277; Dec. 23; Gaz. vol. 197; p. 902.
- Liberman, Bernard, Philadelphia, Pa. Cigar-wrapper moistener and container. No. 1,082,278; Dec. 23; Gaz. vol. 197; p. 903.
- Liberty Manufacturing Company. (See Mills and Conn assignors.)
- Library Bureau. (See Suters, Thomas, assignor.)
- Lichtenberger, Richard, New Harmony, Ind. Spout for cooking utensils. No. 1,052,673; Feb. 11; Gaz. vol. 187; p. 315.
- Lichtenstein, Chune D., Seattle, Wash. Sharpener for lawn-mowers. No. 1,070,900; Aug. 19; Gaz. vol. 193; p. 689.
- Lichtenstein, Edmund, Berlin, Germany. Copying letters. No. 1,049,741; Jan. 7; Gaz. vol. 186; p. 144.
- Lichtenstein, S. K., trustee. (See Lispenard, George, assignor.)
- Lichtenstein, Solomon K. (See Lispenard and Lichtenstein.)
- Lichtenstein, Solomon K., and G. Lispenard, assignors to S. K. Lichtenstein, trustee, New York, N. Y. Cotton-gin. No. 1,063,985; June 10; Gaz. vol. 191; p. 313.
- Lichter, Reuben, and L. Lewenhoff, New York, N. Y. Carbonating apparatus. No. 1,052,599; Feb. 11; Gaz. vol. 187; p. 290.
- Lichtfuss, August, Oshkosh, Wis. Drawbridge-gate. No. 1,055,194; Mar. 4; Gaz. vol. 188; p. 181.
- Liddell, John D., Richfield, Idaho. Railway-tie. No. 1,049,882; Jan. 7; Gaz. vol. 186; p. 191.
- Liddell, Robert B., assignor to The J. G. Brill Company, Philadelphia, Pa. Pedestal for car-seats. No. 1,055,195; Mar. 4; Gaz. vol. 188; p. 181.
- Lidders, Alex. H. (See Currie, Alexander, assignor.)
- Liden, Henrik C., Thief River Falls, Minn. Grain cleaner and separator. No. 1,053,410; Feb. 18; Gaz. vol. 187; p. 612.
- Lidstone, Frederick J., assignor, by mesne assignments, of one-half to S. W. McCoy, Pittsburgh, Pa. Gas-burner. No. 1,052,420; Feb. 4; Gaz. vol. 187; p. 196.
- Liebau, Richard, Watervliet, N. Y., assignor to The Westinghouse Air Spring Company. Fluid-pressure device. No. 1,071,446; Aug. 26; Gaz. vol. 193; p. 906.
- Liebeck, Harry, Philadelphia, Pa., assignor to Scott Paper Company. Machine for making toilet-paper rolls. No. 1,081,507; Dec. 16; Gaz. vol. 197; p. 613.
- Liebel, Albert L., and L. Barker, Los Angeles, Cal.; said Barker assignor to said Liebel. Security milk-can. No. 1,069,963; Aug. 12; Gaz. vol. 193; p. 329.
- Liebethal, Herman G., assignor of one-half to K. R. O'Kane, Philadelphia, Pa. Printing mechanism. No. 1,055,928; Mar. 11; Gaz. vol. 188; p. 463.
- Liebethal, Herman G., assignor to K. R. O'Kane, Philadelphia, Pa. Duplicating-machine. No. 1,070,269; Aug. 12; Gaz. vol. 193; p. 435.
- Lieber, William H., assignor to Allis-Chalmers Company, Milwaukee, Wis. Crusher. No. 1,065,535; June 24; Gaz. vol. 191; p. 909.
- Lieberknecht, Ludwig, Berlin, Germany. Surgical instrument. No. 1,066,025; July 1; Gaz. vol. 192; p. 42.
- Liebfried, Jacob, assignor of one-fourth to E. L. Nicholson, Los Angeles, Cal. Engine-starter. No. 1,055,978; Mar. 11; Gaz. vol. 188; p. 480.
- Liebknecht, Otto, Frankfort-on-the-Main, Germany, assignor to The Roessler & Hasslacher Chemical Co., New York, N. Y. Stable hydrogen peroxid. No. 1,058,070; Apr. 8; Gaz. vol. 189; p. 275.
- Liebknecht, Otto, Frankfort-on-the-Main, and F. Blumenthal, Wiesbaden, Germany. Making auxiliary mordants containing titanium and glycolic acid. No. 1,059,740; Apr. 22; Gaz. vol. 189; p. 922.
- Liebknecht, Otto, Frankfort-on-the-Main, and F. Blumenthal, Wiesbaden, Germany. Making auxiliary mordants containing antimony and glycolic acid. No. 1,059,741; Apr. 22; Gaz. vol. 189; p. 922.
- Liebmann, Alfred. (See Spengler, Henry, assignor.)
- Liebmann, Alfred J., assignor to N. Hofheimer, New York, N. Y. Drawing refractory wires. No. 1,076,590; Oct. 21; Gaz. vol. 195; p. 746.
- Liebrecht, Arthur, Frankfort-on-the-Main, and G. Rosenfeld, Breslau, Germany. Manufacture of glycoheptonic acid. No. 1,057,437; Apr. 1; Gaz. vol. 189; p. 15.
- Liebster, Michael. (See Eisenkramer, Ludwig, assignor.)
- Liedke, Willibald, Berlin-Charlottenburg, Germany. Vapor-lamp. No. 1,070,349; Aug. 12; Gaz. vol. 193; p. 462.
- Liedtke, Louis H. (See Rispel, Alexander, assignor.)
- Liégey, Edouard, Paris, France. Fastening pins to artificial teeth. No. 1,061,244; May 6; Gaz. vol. 190; p. 234.
- Lienhard, Leonel G. (See Jackson and Lienhard.)
- Lierfeld, Walther, Dortmund, Germany. Drying apparatus. No. 1,057,247; Mar. 25; Gaz. vol. 188; p. 980.
- Lierfeld, Walther, Dortmund, Germany. Apparatus for drying substances. No. 1,061,762; May 13; Gaz. vol. 190; p. 447.
- Liesinger, R. T. G., et al. (See Hall, John G., assignor.)
- Lietzenmayer, Otto, Munich, Germany. Internal-combustion engine. No. 1,056,699; Mar. 18; Gaz. vol. 188; p. 761.
- Life Targets Limited. (See Bates, Kelly, and Corbin, assignors.)
- Light, G. O. (See Kirkley, Hiram D., assignor.)
- Light, Robert C., et al. (See Gray, Thomas J., assignor.)
- Lichte, Harry W., et al. (See Putman, George F., assignor.)
- Lightfoot, Cecil, Buffalo, N. Y., assignor to The Linde Air Products Company, Cleveland, Ohio. Safety relief device for gases under pressure. No. 1,068,675; July 29; Gaz. vol. 192; p. 1090.

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- Ligon, Arthur L., Pecos, Tex. Well-cylinder. No. 1,073,257; Sept. 16; Gaz. vol. 194; p. 616.
- Ligon, Douglas W. (See Townsend, Colling, and Ligon.)
- Like, Clark C., Portsmouth, Ohio, assignor to United Shoe Machinery Company, Paterson, N. J. Eyeletting-machine. No. 1,057,068; Mar. 25; Gaz. vol. 188; p. 918.
- Likness, Knute C., Lankford, S. D. Gearing. No. 1,082,349; Dec. 23; Gaz. vol. 197; p. 928.
- Liles, Solomon H., and R. J. Baucom, Reaford, N. C. Cotton-chopper. No. 1,073,355; Sept. 16; Gaz. vol. 194; p. 651.
- Lillienfeld, Leon, Vienna, Austria-Hungary. Manufacture of diethyl sulfate. No. 1,074,633; Oct. 7; Gaz. vol. 195; p. 16.
- Liljeblad, John E., Chicago, Ill. Burglar-alarm. No. 1,054,971; Mar. 4; Gaz. vol. 188; p. 108.
- Liljegrän, Ernest W., Medford, Oreg. Tree-protector. No. 1,072,339; Sept. 2; Gaz. vol. 194; p. 225.
- Liljegrän, Ernest W., Medford, Oreg. Tree-protector. No. 1,072,340; Sept. 2; Gaz. vol. 194; p. 225.
- Liljenroth, Frans G., Vesterås, Sweden. Electrically-propelled motor-car. No. 1,052,263; Feb. 4; Gaz. vol. 187; p. 144.
- Liljeros, Carl O., New York, N. Y., assignor to Molyneux Mailing Machines Company. Packing mechanism. No. 1,050,476; Jan. 14; Gaz. vol. 186; p. 430.
- Lillard, William W., Dallas, Tex. Marking-tally. No. 1,069,271; Aug. 5; Gaz. vol. 193; p. 65.
- Lilleberg, Charles L., Chicago, Ill. Perforating-machine. No. 1,076,772; Oct. 28; Gaz. vol. 195; p. 863.
- Lilleberg, Charles L., Chicago, Ill. Dish-washing machine. No. 1,080,704; Dec. 9; Gaz. vol. 197; p. 304.
- Lilleberg, Charles L., assignor to J. B. Mallers, Jr., Chicago, Ill. Coin counting and selecting machine. No. 1,049,500; Jan. 7; Gaz. vol. 186; p. 61.
- Lilleberg, Charles L., assignor to W. H. Johnson, Chicago, Ill. Perforating-machine. No. 1,080,703; Dec. 9; Gaz. vol. 197; p. 303.
- Lilleberg, Tideman M., Woodstock, Ill. Machine for producing characters. No. 1,063,363; June 3; Gaz. vol. 191; p. 65.
- Lilley, John R., Coatesville, Pa. Car-fender. No. 1,061,245; May 6; Gaz. vol. 190; p. 234.
- Lillibridge, Curtis C., Hutchinson, Kans. Oil-burner. No. 1,056,918; Mar. 25; Gaz. vol. 188; p. 866.
- Lillibridge, Curtis C., Hutchinson, Kans. Electric cooker. No. 1,065,148; June 17; Gaz. vol. 191; p. 739.
- Lillich, Frederick, Philadelphia, Pa. Car-fender. No. 1,064,750; June 17; Gaz. vol. 191; p. 612.
- Lillie, Samuel M., Philadelphia, Pa. Manufacture of salt. No. 1,056,558; Mar. 18; Gaz. vol. 188; p. 714.
- Lillie, Samuel M., Philadelphia, Pa. Converting starch into derivatives, dextrin, dextrose, &c. (Reissue.) No. 13,592; July 8; Gaz. vol. 192; p. 491.
- Lilledale, Edward T., Hornbrook, Cal. Track-plate. No. 1,061,246; May 6; Gaz. vol. 190; p. 234.
- Lilliston, Thomas M., assignor to National Machine Corporation, Suffolk, Va. Peanut-stemmer. No. 1,078,506; Nov. 11; Gaz. vol. 196; p. 466.
- Lillow, Charles E., Chicago, Ill., assignor to J. M. Lillow, Stratford, Ontario, Canada. Scaffold. No. 1,060,914; May 6; Gaz. vol. 190; p. 122.
- Lillow, James M. (See Lillow, Charles E., assignor.)
- Liljgren, John N., West Allis, Wis. Pressing and gluing machine. No. 1,070,047; Aug. 12; Gaz. vol. 193; p. 359.
- Lim, Lum A., New York, N. Y. Reversing mechanism. No. 1,054,220; Feb. 25; Gaz. vol. 187; p. 926.
- Lima Locomotive Corporation. (See Austin and Feightner, assignors.)
- Lima Locomotive Corporation. (See Feightner, Lewis E., assignor.)
- Liming, William S., Scranton, Pa. Sparking device for explosive-engines. No. 1,063,455; June 3; Gaz. vol. 191; p. 96.
- Linaweaver, Albert H., Findlay, Ohio. Gummed-tape moistener. No. 1,064,504; June 10; Gaz. vol. 191; p. 492.
- Linborg, Christina O., Galetton, Pa. Combination belt-buckle and garment-holder. No. 1,053,411; Feb. 18; Gaz. vol. 187; p. 613.
- Lincoln, Bert E., Cusick, Wash., assignor of one-half to J. Shean, Philadelphia, Pa. Machine for sawing shingles. No. 1,062,484; May 20; Gaz. vol. 190; p. 728.
- Lincoln, Charles B. F., San Francisco, assignor of one-fourth to A. Gentry and one-fourth to D. H. Platt, Los Angeles, Cal. Certificate. No. 1,072,341; Sept. 2; Gaz. vol. 194; p. 226.
- Lincoln Company, The. (See Lincoln, John C., assignor.)
- Lincoln, John C., assignor to The Lincoln Company, Cleveland, Ohio. Electrical reciprocating mechanism. No. 1,050,960; Jan. 21; Gaz. vol. 186; p. 630.
- Lincoln, John C., East Cleveland, assignor to The Electric Meat Curing Company, Cleveland, Ohio. Electromagnetic apparatus. No. 1,063,170; May 27; Gaz. vol. 190; p. 997.
- Lind, James A., Providence, assignor of one-third to W. Q. Sampson and one-third to F. E. Horton, Cranston, R. I. Needle. No. 1,056,187; Mar. 18; Gaz. vol. 188; p. 586.
- Lind, James A., Providence, assignor of one-third to W. Q. Sampson and one-third to F. E. Horton, Cranston, R. I. Forming needles. No. 1,057,860; Apr. 1; Gaz. vol. 189; p. 160.
- Lind, John. (See Bryant and Lind.)
- Lindall, John, Boston, Mass. Railway-car. No. 1,071,644; Aug. 26; Gaz. vol. 193; p. 971.
- Lindau, Alfred E., assignor to Corrugated Bar Company, St. Louis, Mo. Reinforced-concrete floor construction. No. 1,050,477; Jan. 14; Gaz. vol. 186; p. 430.
- Lindau, Alfred E., assignor to Corrugated Bar Company, St. Louis, Mo. Floor construction. No. 1,060,104; Apr. 29; Gaz. vol. 189; p. 1084.
- Lindau, Alfred E., assignor to Corrugated Bar Company, St. Louis, Mo. Concrete reinforce. No. 1,082,963; Dec. 30; Gaz. vol. 197; p. 1173.
- Lindberg, Ivar F., Milwaukee, Wis. Drill-chuck. No. 1,054,126; Feb. 25; Gaz. vol. 187; p. 892.
- Lindberg, Victor, Fairport Harbor, Ohio. Life-boat. No. 1,058,609; Apr. 8; Gaz. vol. 189; p. 460.
- Lindblad, Axel R., Ludvika, Sweden. Production of malleable iron direct from ore. No. 1,058,991; Apr. 15; Gaz. vol. 189; p. 632.
- Linde Air Products Company, The. (See Lightfoot, Cecil, assignor.)
- Linde, George, Newark, N. J. Light-intensifier. No. 1,081,127; Dec. 9; Gaz. vol. 197; p. 446.
- Lindelién, John J., Battle Lake, Minn. Spade. No. 1,059,054; Apr. 15; Gaz. vol. 189; p. 654.
- Lindell, John H., Ashtabula Harbor, Ohio. Rotary engine. No. 1,051,134; Jan. 21; Gaz. vol. 186; p. 690.
- Lindeman, Max. (See Newton, Dimond C., assignor.)
- Lindemann, August, assignor to R. Lindemann, New York, N. Y. Machine for separating liquids and solids. No. 1,073,611; Sept. 23; Gaz. vol. 194; p. 760.
- Lindemann, Berthold, assignor to Los Angeles Trust & Savings Bank, trustee, Los Angeles, Cal. Traction device. No. 1,079,501; Nov. 25; Gaz. vol. 196; p. 872.
- Lindemann, Ernest C., Boulder, Colo. Composition of matter for use as a fertilizer. No. 1,058,765; Apr. 15; Gaz. vol. 189; p. 552.
- Lindemann, Rudolph. (See Lindemann, August, assignor.)
- Lindemuth, Lewis B. (See Carney and Lindemuth.)
- Linden, Charles A. (See Swanson, Linden, and Carlson.)
- Linden, Charles A., and C. A. Carlson, Jamestown, N. Y. Electric welding-tool. No. 1,052,490; Feb. 11; Gaz. vol. 187; p. 254.
- Linden, Charles A., and C. A. Carlson, Jamestown, N. Y. Electric welding-machine. No. 1,052,491; Feb. 11; Gaz. vol. 187; p. 254.
- Linden, Gräfin M. von, Bonn, E. Meissen, Hohenhonnef, near Bonn, and A. Strauss, Barmen, assignors to Farbenfabriken vorm. Friedr. Bayer & Co., Elberfeld, Germany. Pharmaceutical compound. No. 1,072,745; Sept. 9; Gaz. vol. 194; p. 397.
- Lindenberg, Frank H., Columbus, Ohio. Tank. No. 1,060,609; May 6; Gaz. vol. 190; p. 16.
- Lindenmuth, Henry W. (See Williams, Titus, and Lindenmuth.)
- Lindenthal & Sons, H. M. (See Bisceglia, Salvatore, assignor.)
- Linder, John, Deer Park, Wash., assignor to Eastman Kodak Co., Rochester, N. Y. Photographic camera. No. 1,060,610; May 6; Gaz. vol. 190; p. 16.
- Linder, Willis W., Charlotte, N. C. Balancing-machine. No. 1,069,272; Aug. 5; Gaz. vol. 193; p. 65.
- Lindenberg, Gerhard, Erie, Kans. Nozzle. No. 1,051,135; Jan. 21; Gaz. vol. 186; p. 690.
- Linderman, Bert A., Muskegon, Mich. Machine for dovetailing lumber. No. 1,052,600; Feb. 11; Gaz. vol. 187; p. 290.
- Lindestrom, Hjalmar, Chicago, Ill. Iron. No. 1,080,016; Dec. 2; Gaz. vol. 197; p. 33.
- Lindgren, Alexis C., Moline, Ill., assignor to Moline Plow Company. Wheeled cultivator. No. 1,054,698; Mar. 4; Gaz. vol. 188; p. 14.
- Lindgren, Alexis C., Moline, Ill., assignor to Moline Plow Company. Seed-discharging mechanism. No. 1,064,842; June 17; Gaz. vol. 191; p. 640.
- Lindgren, Alexis C., and O. F. Smith, Moline, Ill., assignors to Moline Plow Company. Hay-loader. No. 1,054,358; Feb. 25; Gaz. vol. 187; p. 972.
- Lindgren, John A., Sandpoint, Idaho. Car-loader. No. 1,062,485; May 20; Gaz. vol. 190; p. 729.
- Lindgren, Peter J., Denver, Colo. Faucet. No. 1,075,483; Oct. 14; Gaz. vol. 195; p. 336.
- Lindhard, Povl T., New York, N. Y. Dash-pot. No. 1,057,648; Apr. 1; Gaz. vol. 189; p. 86.
- Lindholm, Victor, Hoquiam, Wash. Tire. No. 1,063,888; June 3; Gaz. vol. 191; p. 245.
- Lindig, C. E. (See Betts and Ewens, assignors.)
- Lindner, Arthur, New York, N. Y. Chair attachment. No. 1,056,284; Mar. 18; Gaz. vol. 188; p. 619.
- Lindquist, Alexander, Rockford, Ill., assignor to C. Mattison Machine Works, Beloit, Wis. Belt-sanding machine. No. 1,059,055; Apr. 15; Gaz. vol. 189; p. 654.

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- Lindquist, David L., Yonkers, N. Y. Alternating-current electromagnet. No. 1,066,294; July 1; Gaz. vol. 192; p. 140.
- Lindquist, David L., Yonkers, N. Y., assignor to Otis Elevator Company, Jersey City, N. J. Motor-controlling apparatus. No. 1,050,554; Jan. 14; Gaz. vol. 186; p. 457.
- Lindquist, David L., Yonkers, N. Y., assignor to Otis Elevator Company, Jersey City, N. J. System of motor control. No. 1,066,741; July 8; Gaz. vol. 192; p. 324.
- Lindquist, David L., Yonkers, N. Y., assignor to Otis Elevator Company, Jersey City, N. J. Alternating-current electromagnetic controller. No. 1,077,353; Nov. 4; Gaz. vol. 196; p. 40.
- Lindquist, John S., Lincoln, Nebr. Heater. No. 1,056,807; Mar. 25; Gaz. vol. 188; p. 828.
- Lindquist, Oscar, Everett, Wash. Harrow. No. 1,065,536; June 24; Gaz. vol. 191; p. 909.
- Lindsay, Hamilton, Cleveland, Ohio. Wire-loom. No. 1,052,929; Feb. 11; Gaz. vol. 187; p. 404.
- Lindsay, Henry S., Ottawa, Ontario, Canada. Stowing and lowering boats. No. 1,052,351; Feb. 4; Gaz. vol. 187; p. 172.
- Lindsay, Hugh W. (See Morgan and Lindsay.)
- Lindsay, John H., New York, N. Y. Vacuum valve. No. 1,060,345; Apr. 29; Gaz. vol. 189; p. 1170.
- Lindsay Light Company. (See Van Gelderen, Frederik, assignor.)
- Lindsay, Robert M., Lenoir City, Tenn. Measuring apparatus. No. 1,052,492; Feb. 11; Gaz. vol. 187; p. 254.
- Lindsay, William G., New York, N. Y., assignor to The Celluloid Company. Non-inflammable cellulose compound and making same. No. 1,050,065; Jan. 7; Gaz. vol. 186; p. 254.
- Lindsay, William G., New York, N. Y., assignor to The Celluloid Company. Non-inflammable cellulose compound and making same. No. 1,067,785; July 15; Gaz. vol. 192; p. 713.
- Lindsay, William G., Caldwell, N. J., assignor to The Celluloid Company, New York, N. Y. Making acetyl-cellulose plastic masses. No. 1,076,215; Oct. 21; Gaz. vol. 195; p. 613.
- Lindsay, William G., Caldwell, N. J., assignor to The Celluloid Company, New York, N. Y. Making acetyl-cellulose plastic masses. No. 1,076,216; Oct. 21; Gaz. vol. 195; p. 613.
- Lindsay, William T., Chattanooga, Tenn. Rail-joint. No. 1,058,875; Apr. 15; Gaz. vol. 189; p. 592.
- Lindsey, Lucius A., Armuchee, Ga. Thermostat. No. 1,052,674; Feb. 11; Gaz. vol. 187; p. 316.
- Lindsey, Oscar N., Senatobia, Miss., assignor of thirty one-hundredths to J. W. Hall, Memphis, Tenn. Selective telephone call system. No. 1,053,048; Feb. 11; Gaz. vol. 187; p. 443.
- Lindsey, Susan. (See Stuart, Louis C., assignor.)
- Lindstedt, Carl H., Hotchkissville, Conn. Drilling-jig. No. 1,064,751; June 17; Gaz. vol. 191; p. 612.
- Lindstrom, Andrew, San Francisco, Cal. Burglar-alarm. No. 1,059,547; Apr. 22; Gaz. vol. 189; p. 859.
- Lindstrom, Andrew, San Francisco, Cal. Bell-buoy. No. 1,072,130; Sept. 2; Gaz. vol. 194; p. 158.
- Lindström, Carl, Berlin, Germany. Stop mechanism for talking-machines. No. 1,065,694; June 24; Gaz. vol. 191; p. 963.
- Lindström, Carl, Berlin, Germany. Talking-machine. No. 1,067,530; July 15; Gaz. vol. 192; p. 626.
- Lindstrom, Louis F., Bridgeport, Conn. Electric switch. No. 1,059,056; Apr. 15; Gaz. vol. 189; p. 655.
- Lindstrom, Nils O., Nutley, N. J., assignor to A. B. See, New York, N. Y. Automatic circuit-controlling system for electric elevators and the like. No. 1,074,962; Oct. 7; Gaz. vol. 195; p. 126.
- Lindtke, Herman C. E., Emeryville, Cal. Life-saving attachment for submarines. No. 1,064,351; June 10; Gaz. vol. 191; p. 438.
- Lindy, Samuel. (See Schubert, Martin, assignor.)
- Line, Lester. (See McGowan and Line.)
- Lineberg, Albert E., Wilkes-Barre, Pa. Trolley wheel or sheave. No. 1,077,147; Oct. 28; Gaz. vol. 195; p. 990.
- Liner Elapsed-Time Calculator Co. (See Liner and Graham-Woodward, assignors.)
- Liner, Joseph I., and R. Graham-Woodward, assignors to Liner Elapsed-Time Calculator Co., New York, N. Y. Means for calculating elapsed-time values. No. 1,069,964; Aug. 12; Gaz. vol. 193; p. 330.
- Linerth, Karoly, Granite City, Ill. Wrench. No. 1,059,173; Apr. 15; Gaz. vol. 189; p. 694.
- Lines, Albert W., Pueblo, Colo. Check-controlled machine. No. 1,070,901; Aug. 19; Gaz. vol. 193; p. 689.
- Lines, Howard N., Sabetha, Kans. Display-case. No. 1,078,447; Nov. 11; Gaz. vol. 196; p. 448.
- Lines, Newton H., Louisiana, Mo. Heater. No. 1,056,345; Mar. 18; Gaz. vol. 188; p. 638.
- Lines, Newton H., Arapahoe, Nebr. Automobile shock-absorber. No. 1,079,249; Nov. 18; Gaz. vol. 196; p. 755.
- Lines, William A., Ford, Idaho. Switch-throw. No. 1,058,876; Apr. 15; Gaz. vol. 189; p. 592.
- Linfoot, Benjamin E., Philadelphia, Pa. Collapsible tube. No. 1,069,796; Aug. 12; Gaz. vol. 193; p. 274.
- Lingle, Claude, Clinton, Mo. Cable-hanger. No. 1,056,559; Mar. 18; Gaz. vol. 188; p. 715.
- Lingle, Daniel F., Conneautville, Pa. Soil-pulverizer. No. 1,064,352; June 10; Gaz. vol. 191; p. 438.
- Lingsweiler, William H. (See Flegel, Harrison D., assignor.)
- Link, Adolf P., New York, N. Y. Boiler. No. 1,055,284; Mar. 4; Gaz. vol. 188; p. 209.
- Link-Belt Company. (See Dodge, James M., assignor.)
- Link-Belt Company. (See Howe, Glenn G. and L. C., assignors.)
- Link-Belt Company. (See Peck, Staunton B., assignor.)
- Link Fabric Company of America. (See Mellon, George A., assignor.)
- Link, Jacob J. (See Blofeld and Link.)
- Link, John B., Pirtle, Okla. Railway-tie. No. 1,070,270; Aug. 12; Gaz. vol. 193; p. 435.
- Link, Vincent, assignor, by mesne assignments, to Packard Motor Car Company, Detroit, Mich. Folding starting-crank for motor-vehicles. No. 1,059,675; Apr. 22; Gaz. vol. 189; p. 901.
- Link, Vincent, assignor to Packard Motor Car Company, Detroit, Mich. Folding starting-crank. No. 1,059,834; Apr. 22; Gaz. vol. 189; p. 967.
- Link, William A., Fort Worth, Tex. Animal-trap. No. 1,050,220; Jan. 14; Gaz. vol. 186; p. 339.
- Linke, Otto, Durbin, N. D. Direct-draft and holdup wagon-gear reach. No. 1,051,603; Jan. 28; Gaz. vol. 186; p. 882.
- Linke, Willy, Westend, and L. Dreyfus, Nieder-Schönhausen, Germany, assignors to General Electric Company. Dynamo-electric machine. No. 1,079,502; Nov. 25; Gaz. vol. 196; p. 872.
- Linker, Oskar, Leipzig, Germany. Apparatus for sterilizing liquids by means of ultra-violet rays. No. 1,079,503; Nov. 25; Gaz. vol. 196; p. 872.
- Linkiewicz, Leopold, New York, N. Y. Meat-slicer. No. 1,079,778; Nov. 25; Gaz. vol. 196; p. 970.
- Linkletter, William A., Boulder, Colo. Folding dam for irrigating-ditches. No. 1,059,174; Apr. 15; Gaz. vol. 189; p. 694.
- Linkletter, William A., Boulder, Colo. Folding dam for irrigating-ditches. (Reissue.) No. 13,622; Sept. 30; Gaz. vol. 194; p. 1121.
- Linkmeyer, Rudolf, Bremen, Germany. Producing cellulose formations. No. 1,062,106; May 20; Gaz. vol. 190; p. 602.
- Linn, Albertus M. (See Bissonnette and Linn.)
- Linn, Allen D., Grand Rapids, Mich. Kiln for drying lumber. No. 1,055,338; Mar. 11; Gaz. vol. 188; p. 267.
- Linn, Allen D., Grand Rapids, Mich. Lumber-drier. No. 1,055,339; Mar. 11; Gaz. vol. 188; p. 267.
- Linnertz, Gustav, Elberfeld, Germany. Making wire-heddle eyes. No. 1,057,748; Apr. 1; Gaz. vol. 189; p. 120.
- Linnertz, Gustav, Elberfeld, Germany. Apparatus for making heddle-eyes. No. 1,057,968; Apr. 1; Gaz. vol. 189; p. 196.
- Linney, George B., Osceola, Mo. Body-belt. No. 1,065,259; June 17; Gaz. vol. 191; p. 776.
- Linotype and Machinery Limited. (See Holbourns, John G., assignor.)
- Linotype and Machinery Limited. (See Pearce and Billington, assignors.)
- Linotype and Machinery Limited. (See Pearce, Parker, and Wright, assignors.)
- Linskie, Benjamin B., Dallas, Tex. Sewer-clean-out cover. No. 1,073,150; Sept. 16; Gaz. vol. 194; p. 577.
- Linstrom, Smith Co. (See Endorf, Charles, Jr., assignor.)
- Lintner, Oscar B., Potwin, Kans. Shears. No. 1,081,974; Dec. 23; Gaz. vol. 197; p. 797.
- Linton, Morris. (See Vauclain, Linton, and Henderson.)
- Linton, Sidney J., Groveland, N. Y. Hose-clamp. No. 1,056,188; Mar. 18; Gaz. vol. 188; p. 586.
- Linville, Arthur P., assignor of one-third to C. E. Linville, Richmond, and one-third to S. L. Kampschmidt, Stockton, Cal. Sanitary towel. No. 1,072,746; Sept. 9; Gaz. vol. 194; p. 397.
- Linville, C. E., et al. (See Linville, Arthur P., assignor.)
- Linville, Robert W., assignor of one-fourth to J. Graef and one-fourth to M. Graef, San Francisco, Cal. Plasterer's trowel. No. 1,063,704; June 3; Gaz. vol. 191; p. 187.
- Lion, Gaston P. J., Levallois-Perret, France. Device for carbureting air. No. 1,065,819; June 24; Gaz. vol. 191; p. 1004.
- Lion, Gaston P. J., Levallois-Perret, France. Device for carbureting air. No. 1,066,295; July 1; Gaz. vol. 192; p. 140.
- Lion, Gaston P. J., Levallois-Perret, and A. E. Brillié, Paris, France. Carbureter. No. 1,065,948; July 1; Gaz. vol. 192; p. 15.
- Lipman, Carl E., assignor to The Lipman Manufacturing Company, Beloit, Wis. Engine-starting mechanism. No. 1,055,769; Mar. 11; Gaz. vol. 188; p. 411.
- Lipman Manufacturing Company, The. (See Lipman, Carl E., assignor.)
- Lipp, Albert E., Philadelphia, Pa. Photograph-printing device. No. 1,051,424; Jan. 28; Gaz. vol. 186; p. 820.

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- Lipperd, Elvia E., Cambridge, Kans. Draft-equalizer. No. 1,051,740; Jan. 28; Gaz. vol. 186; p. 926.
- Lippiett, Benjamin. (See Lippiett, Theophilus, D., T., S., B., and W.)
- Lippiett, David. (See Lippiett, Theophilus, D., T., S., B., and W.)
- Lippiett, Stephen. (See Lippiett, Theophilus, D., T., S., B., and W.)
- Lippiett, Theophilus, D., T., S., B., and W., Tredegar, England. Manual coal and rock drilling machine. No. 1,054,925; Mar. 4; Gaz. vol. 188; p. 92.
- Lippiett, Thomas. (See Lippiett, Theophilus, D., T., S., B., and W.)
- Lippiett, William. (See Lippiett, Theophilus, D., T., S., B., and W.)
- Lippincott, Fisher H., Philadelphia, Pa. Mechanism for the generation and storage of acetylene. No. 1,056,560; Mar. 18; Gaz. vol. 188; p. 715.
- Lippincott, Fisher H., assignor to A. H. & F. H. Lippincott, Inc., Philadelphia, Pa. Ice-shaving machine. No. 1,077,482; Nov. 4; Gaz. vol. 196; p. 86.
- Lippincott Pencil Company. (See Furst, John S., assignor.)
- Lippis, Samuel. (See Piccone and Lippis.)
- Lipps, Louis P., assignor to The Brown Hoisting Machinery Company, Cleveland, Ohio. Means for operating shovel-buckets and similar receptacles. No. 1,059,334; Apr. 15; Gaz. vol. 189; p. 749.
- Lipps, Louis P., assignor of one-half to himself as trustee, one-fourth to W. L. Westcott, and one-fourth to G. C. Wing, Cleveland, Ohio. Ticket for street-cars and similar uses. No. 1,072,627; Sept. 9; Gaz. vol. 194; p. 355.
- Lippstadt, Sigmund. (See Buerger, Charles B., assignor.)
- Lipscomb, Hugh T., Baltimore, Md. Rotary tooth-brush. No. 1,050,282; Jan. 14; Gaz. vol. 186; p. 360.
- Lipscomb, Sylvester G., Louisville, assignor of one-half to J. M. Jones, Elizabethtown, Ky. Machine for slicing pickles and the like. No. 1,072,628; Sept. 9; Gaz. vol. 194; p. 355.
- Lipsich, David, New York, N. Y., assignor of one-half to R. F. Hamilton, Baltimore, Md. Cabinet. No. 1,068,676; July 29; Gaz. vol. 192; p. 1090.
- Lipson, Samuel, Saugus, assignor of one-third to H. Rosenberg and one-third to J. Rosenberg, Boston, Mass. Garment-cementing machine. No. 1,051,136; Jan. 21; Gaz. vol. 186; p. 690.
- Liquid Forged Steel Company, The. (See Lash, Horace W., assignor.)
- Liquid Forged Steel Company, The. (See Maxwell, David, assignor.)
- Liquid Forged Steel Company, The. (See Wellman, Samuel T., assignor.)
- Liquid Forged Steel Company, The. (See Wellman and Lash, assignors.)
- Liquorish, Frederick, Leicester, England. Spout or pouring device for petrol-cans and the like. No. 1,054,972; Mar. 4; Gaz. vol. 188; p. 109.
- Liracz, John, Trenton, N. J. Oar and oar-lock. No. 1,059,941; Apr. 22; Gaz. vol. 189; p. 987.
- Lisch, Jacob J., assignor of one-half to F. J. Geverts, Bellevue, Ky. Instantaneous water-heater. No. 1,069,273; Aug. 5; Gaz. vol. 193; p. 65.
- Lisicke, Paul, Boston, Mass. Hinge. No. 1,078,363; Nov. 11; Gaz. vol. 196; p. 419.
- Lisken, Joseph. (See Holtzman, John, assignor.)
- Liste, Myron C., assignor of one-half to J. Kulzick, Milwaukee, Wis. Belt-connector. No. 1,058,766; Apr. 15; Gaz. vol. 189; p. 552.
- Lispensard, George. (See Lichtenstein and Lispensard.)
- Lispensard, George, assignor to S. K. Lichtenstein, trustee, New York, N. Y. Harvester picker-stem. No. 1,059,478; Apr. 22; Gaz. vol. 189; p. 837.
- Lispensard, George, and S. K. Lichtenstein, assignors to S. K. Lichtenstein, trustee, New York, N. Y. Cotton-gin. No. 1,056,700; Mar. 18; Gaz. vol. 188; p. 761.
- Lissauer, Eduard, Charlottenburg, assignor to Kartomat Aktien-Gesellschaft für Apparatebau, Berlin, Germany. Selective mechanism for automatic vending apparatus. No. 1,053,187; Feb. 18; Gaz. vol. 187; p. 534.
- Lissner, Alois, Tetschen, Austria-Hungary. Keyhole-guard. No. 1,079,654; Nov. 25; Gaz. vol. 196; p. 924.
- Lissner, Alois, Tetschen, Austria-Hungary. Lock for wearing-apparel. No. 1,079,655; Nov. 25; Gaz. vol. 196; p. 924.
- Lister, Charles H., and J. Helmer, North St. Paul, Minn., assignors to Minnesota Manufacturers Association. Carrier-loader. No. 1,050,478; Jan. 14; Gaz. vol. 186; p. 431.
- Lister, George A. (See Morris and Lister.)
- Lister, George F. (See Keith, Lister, and Edmondson.)
- Lister, Levi H., Bay St. Louis, assignor of one-half to W. H. Bouslog, Gulfport, Miss. Refrigerating-car. No. 1,072,131; Sept. 2; Gaz. vol. 194; p. 158.
- Lister, Robert, Honolulu, Hawaii. Machine for trimming fruit. No. 1,065,455; June 24; Gaz. vol. 191; p. 881.
- Liston, Robert M. (See Watson and Liston.)
- Litchfield, Charles T. (See Tisher and Litchfield.)
- Litchfield, James, Kansas City, Mo. Cigar-moistening apparatus. No. 1,075,835; Oct. 14; Gaz. vol. 195; p. 456.
- Litchfield, Norman, Glen Ridge, N. J. Car-sign. No. 1,062,598; May 27; Gaz. vol. 190; p. 808.
- Litchfield, Norman, Glen Ridge, N. J. Car-sign. No. 1,067,043; July 8; Gaz. vol. 192; p. 423.
- Litle, Thomas J., Jr., Woodbury, assignor to Welsbach Light Company, Gloucester City, N. J. Gas-cock. No. 1,055,060; Mar. 4; Gaz. vol. 188; p. 138.
- Litle, Thomas J., Jr., Woodbury, assignor to Welsbach Light Company, Gloucester City, N. J. Incandescent lighting-body. No. 1,056,285; Mar. 18; Gaz. vol. 188; p. 619.
- Litle, Thomas J., Jr., Woodbury, assignor to Welsbach Light Company, Gloucester City, N. J. Guard for inverted incandescent mantles. No. 1,058,377; Apr. 8; Gaz. vol. 189; p. 383.
- Litle, Thomas J., Jr., Woodbury, assignor to Welsbach Light Company, Gloucester City, N. J. Guard for inverted incandescent mantles. No. 1,058,378; Apr. 8; Gaz. vol. 189; p. 383.
- Littauer, Lucius N. (See Hughes, Robert R., Jr., assignor.)
- Littauer, Lucius N. (See Weis, Albert H., assignor.)
- Littauer, Lucius N., proprietor. (See Hughes, Robert R., Jr., assignor.)
- Little, Archibald S. B., Nashville, Tenn. Paint composition and making the same. No. 1,072,476; Sept. 9; Gaz. vol. 194; p. 304.
- Little, Bert A., Okemah, Okla. Drawer-slide. No. 1,071,006; Aug. 19; Gaz. vol. 193; p. 724.
- Little, Charles H., Cleveland, Ohio. Drafting instrument. No. 1,081,758; Dec. 16; Gaz. vol. 197; p. 695.
- Little, Eli B., Roosevelt, Okla. Harvesting-machine. No. 1,065,695; June 24; Gaz. vol. 191; p. 963.
- Little, George M., Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Arc-lamp electrode. No. 1,075,484; Oct. 14; Gaz. vol. 195; p. 336.
- Little, Herbert W., et al. (See Alexander, Jesse, assignor.)
- Little, Homer E. R., New York, N. Y. Primary battery. No. 1,060,468; Apr. 29; Gaz. vol. 189; p. 1212.
- Little, Joseph W., Memphis, Tenn. Seed-planter. No. 1,068,511; July 29; Gaz. vol. 192; p. 1033.
- Little, Luther D., Jackson, Mich. Appliance for making flash-light photographs. No. 1,065,880; June 24; Gaz. vol. 191; p. 1025.
- Little, Nelson T., Louisville, Ky., assignor of one-half to W. H. Wetzel, Kansas City, Mo. Camp-stove. No. 1,057,248; Mar. 25; Gaz. vol. 188; p. 981.
- Little, Pearl A., Frederick, Okla. Pumping apparatus. No. 1,079,779; Nov. 25; Gaz. vol. 196; p. 971.
- Little, Robert H., assignor to M. H. Mandelbaum, Chicago, Ill. Adding-machine. No. 1,070,146; Aug. 12; Gaz. vol. 193; p. 393.
- Little, Sanford, Fairmount, Ind. Rack-wagon. No. 1,051,137; Jan. 21; Gaz. vol. 186; p. 690.
- Little, Walter S., Bordeaux, Wash. Saw-set. No. 1,055,061; Mar. 4; Gaz. vol. 188; p. 138.
- Littlebetter, Michael, et al. (See Winkstern, Ernest, assignor.)
- Littlefield, Emmett. (See Edge and Littlefield.)
- Littlejohn, Charles F., assignor, by mesne assignments, to F. B. Kennedy, New Haven, Conn. Recording device for fare-registers. No. 1,058,312; Apr. 8; Gaz. vol. 189; p. 359.
- Littlejohn, David, and W. M. Mitchell, St. Joseph, Mo. Safe. No. 1,075,113; Oct. 7; Gaz. vol. 195; p. 180.
- Littleton, T. B. (See Thomas, Edward W., assignor.)
- Littleton, Thomas J., Jr., and J. P. Tyner, Estill Springs, Tenn. Combination garment-knife. No. 1,079,300; Nov. 18; Gaz. vol. 196; p. 771.
- Littman, Zeno, New York, N. Y., assignor, by mesne assignments, to Baseballoon Inc. Projecting apparatus. No. 1,052,835; Feb. 11; Gaz. vol. 187; p. 570.
- Litton, Fulton R., Albuquerque, N. Mex. Bath-tub attachment. No. 1,051,741; Jan. 28; Gaz. vol. 186; p. 926.
- Litvany, Andrew, Irvington, N. J. Non-refillable bottle. No. 1,055,340; Mar. 11; Gaz. vol. 188; p. 267.
- Litzenberg, William R., Portland, Oreg. Excavating and dredging machine. No. 1,075,923; Oct. 14; Gaz. vol. 195; p. 486.
- Litzenberg, William R., Portland, Oreg. Incandescent lamp and reflector. No. 1,075,924; Oct. 14; Gaz. vol. 195; p. 487.
- Litzman, Stephen, Erie, Pa. Twine-cutter. No. 1,060,773; May 6; Gaz. vol. 190; p. 71.
- Lively, Jaurdan G., Sewell, assignor of one-third to C. C. Brock, Hawks Nest, W. Va. Fastener for car-doors. No. 1,052,072; Feb. 4; Gaz. vol. 187; p. 78.
- Livengood, George S., Walla Walla, Wash. Hose-bib. No. 1,052,352; Feb. 4; Gaz. vol. 187; p. 172.
- Livengood, Jacob S., Heildersburg, assignor of one-third to W. S. Foose, York, Pa. Rotary engine. No. 1,056,286; Mar. 18; Gaz. vol. 188; p. 619.
- Livengood, Winfield S., Kansas City, assignor, by mesne assignments, to Missouri Hay Press Company, Moberly, Mo. Baling-press. No. 1,056,919; Mar. 25; Gaz. vol. 188; p. 867.

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- Liverman, William W. (See Sarro, Liverman, and Petrella.)
- Livemore, Homer F., Brookline, Mass. Head-motion for looms. No. 1,053,307; Feb. 18; Gaz. vol. 187; p. 576.
- Livezey, Samuel S., Bowling Green, Ohio. Valve-grinder. No. 1,059,175; Apr. 15; Gaz. vol. 189; p. 694.
- Livingood, George B., Pottstown, Pa. Fruit-strainer. No. 1,053,838; Feb. 18; Gaz. vol. 187; p. 757.
- Livingston, Andrew W., Alameda, Cal. Wrapper forming and labeling machine. No. 1,059,621; Apr. 22; Gaz. vol. 189; p. 883.
- Livingston, Andrew W., Alameda, Cal. Packaging-machine. No. 1,059,942; Apr. 22; Gaz. vol. 189; p. 987.
- Livingston, Andrew W., assignor to Standard Steel Wheel and Tire Armor Company, Oakland, Cal. Vehicle wheel-rim. No. 1,049,378; Jan. 7; Gaz. vol. 186; p. 20.
- Livingston, Andrew W., assignor to Standard Steel Wheel and Tire Armor Company, Oakland, Cal. Tire. No. 1,060,195; Apr. 29; Gaz. vol. 189; p. 1116.
- Livingston, Andrew W., assignor to Standard Steel Wheel and Tire Armor Company, Oakland, Cal. Vehicle-wheel. No. 1,065,537; June 24; Gaz. vol. 191; p. 909.
- Livingston, Frank S., Los Angeles, Cal. Hydraulic jack. No. 1,051,339; Jan. 21; Gaz. vol. 186; p. 758.
- Livingston, Henry J., Baltimore, Md. Preserving wood from decay and fire. No. 1,062,286; May 29; Gaz. vol. 190; p. 663.
- Livingston, James E., Albia, Iowa. Music-leaf turner. No. 1,052,353; Feb. 4; Gaz. vol. 187; p. 172.
- Livingston & Lieberman. (See Livingston, Louis D., assignor.)
- Livingston, Louis D., assignor to Livingston & Lieberman, New York, N. Y. Detachable cuff. No. 1,065,881; June 24; Gaz. vol. 191; p. 1026.
- Livingston, Victor. (See Feldhamer and Livingston.)
- Ljungdahl, Carl F., Gottenborg, Sweden. Manufacturing lute, putty, and the like. No. 1,078,864; Nov. 18; Gaz. vol. 196; p. 623.
- Ljunggren, Carl J., Providence, R. I. Hygienic communion-chalice. No. 1,067,183; July 8; Gaz. vol. 192; p. 471.
- Ljungström, Birger, Stockholm, assignor to Aktiebolaget Ljungströms Ängturbin, Liljeholmen, Sweden. Steam-turbine. No. 1,067,356; July 15; Gaz. vol. 192; p. 568.
- Ljungström, Fredrik, assignor to Aktiebolaget Ljungströms Ängturbin, Liljeholmen, Sweden. Turbine-generator. No. 1,066,209; July 1; Gaz. vol. 192; p. 109.
- Ljungström, Fredrik, Stockholm, assignor to Aktiebolaget Ljungströms Ängturbin, Liljeholmen, Sweden. Blade-rings of radial turbines. No. 1,068,512; July 29; Gaz. vol. 192; p. 1033.
- Ljungström, Fredrik, assignor to Aktiebolaget Ljungström Ängturbin, Liljeholmen, Stockholm, Sweden. Steam-turbine. No. 1,073,916; Sept. 23; Gaz. vol. 194; p. 866.
- Ljungström, Fredrik, Stockholm, Sweden, assignor to Aktiebolaget Ljungströms Ängturbin, Liljeholmen, Sweden. Steam-turbine. No. 1,074,370; Sept. 30; Gaz. vol. 194; p. 1046.
- Ljungström, Fredrik, Stockholm, assignor to Aktiebolaget Ljungströms Ängturbin, Liljeholmen, Sweden. Steam-turbine. No. 1,082,886; Dec. 30; Gaz. vol. 197; p. 1146.
- Llewellyn, George E. (See Gainer, Edward E., assignor.)
- Llewellyn, Lee. (See Leyda, Charles E., assignor.)
- Llewellyn, William B. (See Spence and Llewellyn.)
- Llobet, Juan, and J. Gimenez, Habana, Cuba. Yoke. No. 1,051,841; Jan. 28; Gaz. vol. 186; p. 959.
- Lloyd, Eldon E. (See Curnutt and Lloyd.)
- Lloyd, Ernest F., Detroit, Mich. Closure for gas-purifiers. No. 1,073,258; Sept. 16; Gaz. vol. 194; p. 616.
- Lloyd, Ernest F., Detroit, Mich. Gas-scrubbing apparatus. No. 1,073,259; Sept. 16; Gaz. vol. 194; p. 617.
- Lloyd, Ernest F., Detroit, Mich. Curb and holdfast for gas-purifiers. No. 1,080,705; Dec. 9; Gaz. vol. 197; p. 304.
- Lloyd, Ernest F., Detroit, Mich. Method of and apparatus for washing and cooling gas. No. 1,081,455; Dec. 16; Gaz. vol. 197; p. 596.
- Lloyd, Harold R. (See Johnson, Glaser, and Lloyd.)
- Lloyd, John, et al. (See Armstrong, John B., assignor.)
- Lloyd, Robert M., Oyster Bay, N. Y., assignor to General Electric Company. Battery-support. No. 1,079,709; Nov. 25; Gaz. vol. 196; p. 943.
- Lloyd, Samuel, Arrington, Va. Clothes-pin. No. 1,067,931; July 22; Gaz. vol. 192; p. 795.
- Lloyd, Thomas, Shamokin, Pa. Door-hanger. No. 1,079,870; Nov. 25; Gaz. vol. 196; p. 1001.
- Lloyd, Walter J., assignor of one-half to W. Van de Sandt, New York, N. Y. Shoe-cleaner. No. 1,067,122; July 8; Gaz. vol. 192; p. 450.
- Lloyd, William, et al. (See Armstrong, John B., assignor.)
- Lloyd, William, Drifton, Pa. Coal-breaker. No. 1,079,301; Nov. 18; Gaz. vol. 196; p. 771.
- Lloyd, William B. (See Lund and Lloyd.)
- Lob, Guido E., Chicago, Ill., assignor of one-half to Consumers Malting Co. Pneumatic conveyer. No. 1,053,412; Feb. 18; Gaz. vol. 187; p. 613.
- Lobdell, Walter E., Mukwonago, Wis. Carrier-screen. No. 1,081,393; Dec. 16; Gaz. vol. 197; p. 575.
- Lobo, Ernesto, Parras, Mexico. Instrument for woodwork-ing or furniture. No. 1,061,855; May 13; Gaz. vol. 190; p. 474.
- Lobstein, John G., Jr., assignor to Passow & Sons, Chicago, Ill. Return-chute for pool-tables. No. 1,054,780; Mar. 4; Gaz. vol. 188; p. 44.
- Locher, Charles H., Glasgow, Va. Renewing worn drill-bits. No. 1,051,900; Feb. 4; Gaz. vol. 187; p. 18.
- Locher, Felix M. E., Oakland, Cal. Switch-box lock. No. 1,078,156; Nov. 11; Gaz. vol. 196; p. 345.
- Lochman, Dean E., Salem, Mass. Safety-razor. No. 1,074,126; Sept. 30; Gaz. vol. 194; p. 966.
- Lochok, Andrew. (See Montgomery and Lochok.)
- Lock, Henry E., Assumption, Ill. Butter, lard, and cheese cutter. No. 1,078,135; Nov. 18; Gaz. vol. 196; p. 717.
- Lock, John E., Sherbrooke, Quebec, Canada. Apparatus for painting spools. No. 1,076,773; Oct. 28; Gaz. vol. 195; p. 863.
- Lock Joint Pipe Company. (See Mitchell, Harris, and Meriwether, assignors.)
- Locke, Frank D., Hudson, Mass., assignor to United Shoe Machinery Company, Paterson, N. J. Machine for inserting fastenings. No. 1,081,975; Dec. 23; Gaz. vol. 197; p. 797.
- Locke, Henry H., and C. W. Boring, Bradford, Pa. Governor for gas-engines. No. 1,059,176; Apr. 15; Gaz. vol. 189; p. 695.
- Locke, William P., Chicago, Ill., assignor of one-third to J. A. Kress and one-third to F. A. McGowan, Canton, Ohio. Electrically-operated alarm-clock. No. 1,081,052; Dec. 9; Gaz. vol. 197; p. 422.
- Lockett, Andrew M., New Orleans, La. Cards for games. No. 1,061,092; May 6; Gaz. vol. 190; p. 182.
- Lockhart, Andrew E., Jonesboro, Ark. Locking mechanism for collapsible receptacles. No. 1,060,988; May 6; Gaz. vol. 190; p. 149.
- Lockhart, George, New York, N. Y. Awning-iron. No. 1,051,901; Feb. 4; Gaz. vol. 187; p. 18.
- Lockhart, John, Tarrytown, N. Y. Window-shutter. No. 1,076,637; Oct. 21; Gaz. vol. 195; p. 764.
- Lockhart, John M., Coraopolis, Pa. Mop. No. 1,073,612; Sept. 23; Gaz. vol. 194; p. 760.
- Lockhart, John T., Westmount, Quebec, Canada. Fitting for radiators and the like. No. 1,050,150; Jan. 14; Gaz. vol. 186; p. 316.
- Lockhart, Walter R., Hotchkiss, Colo. Lacing-hook. No. 1,056,189; Mar. 18; Gaz. vol. 188; p. 586.
- Locklin, George C., Hammond, Ind. Canopy. No. 1,069,965; Aug. 12; Gaz. vol. 193; p. 330.
- Lockling, Paul P., et al. (See Blow and Sandiford, assignors.)
- Lockridge, Stewart R., Warm Springs, Va. Wire-stretcher clamp. No. 1,056,287; Mar. 18; Gaz. vol. 188; p. 620.
- Lockwood, Burns D., Bellevue, assignor to Pressed Steel Car Company, Pittsburgh, Pa. Center-bearing for cars. No. 1,077,356; Nov. 4; Gaz. vol. 196; p. 40.
- Lockwood, Charles S., Newark, assignor to Hyatt Roller Bearing Company, Harrison, N. J. Roller-bearing for radial and thrust loads. No. 1,049,501; Jan. 7; Gaz. vol. 186; p. 61.
- Lockwood, Charles S., Newark, assignor to Hyatt Roller Bearing Company, Harrison, N. J. Thrust-ring. No. 1,053,413; Feb. 18; Gaz. vol. 187; p. 613.
- Lockwood, Charles S., Newark, N. J., assignor to Hyatt Roller Bearing Company. Casing-lock for roller-bearings. No. 1,057,861; Apr. 1; Gaz. vol. 189; p. 160.
- Lockwood, Charles S., Newark, assignor to Hyatt Roller Bearing Company, Harrison, N. J. Casing-lock for roller-bearings. No. 1,058,767; Apr. 15; Gaz. vol. 189; p. 552.
- Lockwood, Charles S., Newark, assignor to Hyatt Roller Bearing Company, Harrison, N. J. Double-casing lock for roller-bearings. No. 1,058,768; Apr. 15; Gaz. vol. 189; p. 553.
- Lockwood, Charles S., Newark, assignor to Hyatt Roller Bearing Company, Harrison, N. J. Sheet-metal cage for roller-bearings. No. 1,063,705; June 3; Gaz. vol. 191; p. 187.
- Lockwood, Charles S., Newark, assignor to Hyatt Roller Bearing Company, Harrison, N. J. Double cage for roller-bearings. No. 1,064,974; June 17; Gaz. vol. 191; p. 684.
- Lockwood, Charles S., Newark, assignor to Hyatt Roller Bearing Company, Harrison, N. J. Making helical rolls. No. 1,064,975; June 17; Gaz. vol. 191; p. 684.
- Lockwood, Charles S., Newark, assignor to Hyatt Roller Bearing Company, Harrison, N. J. Roller-bearing with roll-separators. No. 1,080,288; Dec. 2; Gaz. vol. 197; p. 129.
- Lockwood, Edward M., Philadelphia, Pa., assignor to C. R. Carver Company. Feeding device for presses. No. 1,082,088; Dec. 23; Gaz. vol. 197; p. 837.

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- Lockwood, Frank W., *et al.* (See Denison, Nathan B., assignor.)
- Lockwood, Horace A., Kansas City, Mo. Pleasure-railway. No. 1,074,185; Sept. 30; Gaz. vol. 194; p. 985.
- Lockwood, J. J. (See MacDonald, Thomas J., assignor.)
- Lockwood, James A., Denver, Colo. Apparatus for producing imitation type-written letters. No. 1,082,534; Dec. 30; Gaz. vol. 197; p. 1020.
- Lockwood, James E. (See Seitz, Edward, assignor.)
- Lockwood, Linnie. (See Crockett and Lockwood.)
- Lockwood, Lynneus I. (See Thurman and Lockwood.)
- Lockwood, Marquis H., assignor to Underwood Typewriter Company, New York, N. Y. Type-writing machine. No. 1,058,446; Apr. 8; Gaz. vol. 189; p. 407.
- Lockwood, Marquis H., assignor to Underwood Typewriter Company, New York, N. Y. Type-writing machine. No. 1,082,033; Dec. 23; Gaz. vol. 197; p. 818.
- Lockwood, Ora M., and A. A. Stout, Rochester, N. Y. Switch-lock. No. 1,057,749; Apr. 1; Gaz. vol. 189; p. 120.
- Lockwood, Ora M., and A. A. Stout, Rochester, N. Y. Switch-lock. No. 1,080,986; Dec. 9; Gaz. vol. 197; p. 402.
- Lockwood, Virgil H. (See Maedje, Arthur V., assignor.)
- Lockwood, William F., Hollis, Okla. Bagging-machine. No. 1,065,882; June 24; Gaz. vol. 191; p. 1026.
- Lockwood, William F., and W. H. York, Hollis, Okla. Churn. No. 1,070,147; Aug. 12; Gaz. vol. 193; p. 394.
- "Locomobile" Company of America, The. (See Riker, Andrew L., assignor.)
- Locomobile Company of America, The. (See Stillman, Henry M., assignor.)
- Locomotive Recording Dynamometer Company. (See Park and Phillips, assignors.)
- Locomotive Superheater Co. (See Cole and Hoffmann, assignors.)
- Locomotive Superheater Company. (See Greenough, Grafton, assignor.)
- Locomotive Superheater Company. (See Oatley, Henry B., assignor.)
- Locomotive Superheater Company. (See Rendchen, Theodor M., assignor.)
- Locomotive Superheater Company. (See Vaucrain, Jacques L., assignor.)
- Locomotive Superheater Company. (See Vaucrain, Samuel M., assignor.)
- Locomotive Tender Frame Company. (See Howard, Clarence H., assignor.)
- Lodge, Albert, assignor of one-third to J. E. Smith, Philadelphia, Pa. Fish-plate. No. 1,076,296; Oct. 21; Gaz. vol. 195; p. 642.
- Lodge & Shipley Machine Tool Company, The. (See Schellenbach, William, assignor.)
- Loe, Charles W., and T. L. Mitchell, Goree, Tex. Cotton-seed planter. No. 1,057,487; Apr. 1; Gaz. vol. 189; p. 31.
- Loeb, Herman A. (See Riddle, Robert N., assignor.)
- Loeb, Rudolf. (See Bourquin, Gustave L., assignor.)
- Loeber, Herman M. (See Elliott, Loeber, and Schlachter.)
- Loedige, Frederick, assignor of one-half to E. H. Wade, Chicago, Ill. Journal-box lubricant device. No. 1,051,244; Jan. 21; Gaz. vol. 186; p. 726.
- Loeffelholz, Jacob, New York, N. Y. Automobilist's hood. No. 1,068,146; July 22; Gaz. vol. 192; p. 868.
- Loeffler, Frank C. (See Walker and Loeffler.)
- Loeffler, Louis J., Stapleton, N. Y. Electric fire-alarm. No. 1,061,763; May 13; Gaz. vol. 190; p. 447.
- Loehner, John, assignor to National Steel Housing Company, Milwaukee, Wis. Fireproof knockdown house. No. 1,051,842; Jan. 28; Gaz. vol. 186; p. 959.
- Loehr, Miles E., Claypool, Ind. Acetylene-gas apparatus. No. 1,059,885; Apr. 22; Gaz. vol. 189; p. 968.
- Loepsinger, Albert J., assignor to General Fire Extinguisher Company, Providence, R. I. Pipe-hanger. No. 1,077,727; Nov. 4; Gaz. vol. 196; p. 166.
- Loesser, Edward J., Tiffin, Ohio. Non-refillable bottle. No. 1,053,308; Feb. 18; Gaz. vol. 187; p. 577.
- Loewenberg, Isidor, Brooklyn, N. Y. Safety device for eye-glass-cases. No. 1,070,498; Aug. 19; Gaz. vol. 193; p. 557.
- Loewenstein, Louis C., Lynn, Mass., assignor to General Electric Company. Preventing pulsations in centrifugal air-compressors. No. 1,063,558; June 3; Gaz. vol. 191; p. 132.
- Loewenthal, Jacques, Berlin, Germany. Production of an insulating-coating on electrical conductors. No. 1,069,151; Aug. 5; Gaz. vol. 193; p. 21.
- Loewer, Henry H., Rochester, N. Y. Machine for trimming last-heels. No. 1,072,963; Sept. 9; Gaz. vol. 194; p. 477.
- Lofland, William A., Camden, N. J. Box. No. 1,061,619; May 13; Gaz. vol. 190; p. 400.
- Löfquist, Hjalmar, Stockholm, Sweden. Drying-machine. No. 1,054,853; Mar. 4; Gaz. vol. 188; p. 70.
- Lofton, Herbert M., Atlanta, Ga. Combination lath and shingle machine. No. 1,059,376; Apr. 22; Gaz. vol. 189; p. 800.
- Lofstrom, John A., Morris Run, Pa. Rail-joint. No. 1,056,561; Mar. 18; Gaz. vol. 188; p. 715.
- Loftsgaarden, Albert T., Powell, Wyo. Washing-machine. No. 1,054,428; Feb. 25; Gaz. vol. 187; p. 997.
- Loftus, John, Albany, N. Y. Internal-combustion engine. No. 1,058,992; Apr. 15; Gaz. vol. 189; p. 632.
- Loftus, Thomas J., Castella, assignor of one-half to H. Bell, Oakland, Cal. Elastic-fluid turbine. No. 1,057,002; Mar. 25; Gaz. vol. 188; p. 896.
- Logan, Alfred A., Glenwood, Mo. Fence-post mold. No. 1,054,577; Feb. 25; Gaz. vol. 187; p. 1047.
- Logan, George W., Steubenville, Ohio. Envelop-fastener. No. 1,077,616; Nov. 4; Gaz. vol. 196; p. 129.
- Logan, Nels, and H. P. Hanson; said Logan assignor to S. L. Hanson, Albert Lea, Minn. Cattle-stanchion. No. 1,059,177; Apr. 15; Gaz. vol. 189; p. 695.
- Logan, Oliver L., Galveston, Ind. Switch-throwing mechanism. No. 1,058,610; Apr. 8; Gaz. vol. 189; p. 461.
- Logan, Thomas. (See McAllister and Logan.)
- Logee, Frank S., Westwood, N. J. Carton for bats. No. 1,062,173; May 20; Gaz. vol. 190; p. 625.
- Logsdon, Frank J., Emporia, Kans. Corn-header. No. 1,055,341; Mar. 11; Gaz. vol. 188; p. 268.
- Löbke, Karl, Zurich, Switzerland. Gasometer. No. 1,068,677; July 29; Gaz. vol. 192; p. 1091.
- Lohman, Henry E., Russell, Kans. Disk drill. No. 1,079,871; Nov. 25; Gaz. vol. 196; p. 1001.
- Lohmann Company, The. (See Lohmann, Herman J., assignor.)
- Lohmann, Herman J., Jersey City, N. J., assignor to The Lohmann Company, New York, N. Y. Metallic coating for metallic articles. No. 1,052,156; Feb. 4; Gaz. vol. 187; p. 109.
- Lohmann, Herman J., Jersey City, N. J., assignor to The Lohmann Company. Molten bath and means for coating iron articles therewith. No. 1,075,533; Oct. 14; Gaz. vol. 195; p. 370.
- Lohmann-Hold Manufacturing Company, The. (See Lohmann, Paul W., assignor.)
- Lohmann, Paul W., Worthington, W. Va., assignor to The Lohmann-Hold Manufacturing Company, Inc., Pittsburgh, Pa. Acetylene-gas lamp. No. 1,078,865; Nov. 18; Gaz. vol. 196; p. 623.
- Lohner & Co., Jacob. (See Paulal, Carl, assignor.)
- Lohr, Dorsie A., Woodlawn, Pa. Advertising novelty. No. 1,061,302; May 13; Gaz. vol. 190; p. 288.
- Lohrmann, Josef, Dusseldorf, Germany. Water-purifier. No. 1,063,047; May 27; Gaz. vol. 190; p. 955.
- Lohse, Richard A., Cleveland, Ohio. Automatic fan for rocking-chairs. No. 1,060,105; Apr. 29; Gaz. vol. 189; p. 1085.
- Loika, Charles E. (See Loika, Richard D. and C. E.)
- Loika, Richard D. and C. E., Ballinger, Tex. Plow. No. 1,079,355; Nov. 25; Gaz. vol. 196; p. 821.
- Lombard, Alvin O., Waterville, Me. Traction-engine. No. 1,063,364; June 3; Gaz. vol. 191; p. 65.
- Lombard, Eugene J., and O. L. Krogstad, Hudson, Wis. Hose-coupling. No. 1,055,477; Mar. 11; Gaz. vol. 188; p. 315.
- Lombard, Jacob C. (See Hodgkinson, Percy W., assignor.)
- Lombard, Joanny, Lille, France. Safety-valve. No. 1,056,562; Mar. 18; Gaz. vol. 188; p. 716.
- Lombardi, Thomas, McKeesport, Pa. Noodle-cutter. No. 1,076,130; Oct. 21; Gaz. vol. 195; p. 585.
- Lomberg, Arthur, Elizabeth, assignor to L. Joseph, East Orange, N. J. Nail-buffer. No. 1,053,839; Feb. 18; Gaz. vol. 187; p. 758.
- Lombra, Chester, Meriden, Conn. Multifaced doll. No. 1,059,178; Apr. 15; Gaz. vol. 189; p. 696.
- Lomont, Herman L., New Haven, Ind. Miter-box. No. 1,069,018; July 29; Gaz. vol. 192; p. 1209.
- London, William J. A., assignor to The Terry Steam Turbine Company, Hartford, Conn. Packing-gland. No. 1,058,075; Apr. 8; Gaz. vol. 189; p. 277.
- London, William J. A., assignor to The Terry Steam Turbine Company, Hartford, Conn. Speed-governor. No. 1,074,879; Oct. 7; Gaz. vol. 195; p. 98.
- London, William J. A., Manchester, England, assignor, by mesne assignments, to The Colonial Trust Company, trustee, Pittsburgh, Pa. Elastic-fluid turbine. No. 1,061,856; May 13; Gaz. vol. 190; p. 474.
- London, Willis, Franklin, Ky. Bottle. No. 1,073,997; Sept. 23; Gaz. vol. 194; p. 894.
- Lones, Case E. (See Bull, George A., assignor.)
- Loney, Festus W. (See Tish, Clinton E., assignor.)
- Long, Adam A., assignor to The Tailor's Accessories Co., Rochester, N. Y. Cleaning-machine. No. 1,063,559; June 3; Gaz. vol. 191; p. 132.
- Long, Charles E., *et al.* (See Maxfield, Charles A., assignor.)
- Long, Charles E., Lancaster, Pa. Fishing-rod. No. 1,073,260; Sept. 16; Gaz. vol. 194; p. 617.
- Long, Charles F., and A. B. Hersman, Los Angeles, Cal. Building construction. No. 1,049,502; Jan. 7; Gaz. vol. 186; p. 62.
- Long, Charles H., Fairbury, Nebr. Acetylene-gas generator. No. 1,073,767; Sept. 23; Gaz. vol. 194; p. 817.
- Long, Clarence E., Fort Wayne, Ind. Ticket-holder. No. 1,062,174; May 20; Gaz. vol. 190; p. 625.
- Long, Clinton E. and F. R. Berwick, Pa. Elastic-fluid turbine. No. 1,068,596; July 29; Gaz. vol. 192; p. 1062.

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- Long, Edward C., assignor of one-half to W. L. Counts, Dante, Va. Drill. No. 1,069,622; Aug. 5; Gaz. vol. 193; p. 184.
- Long, Emile, Hillsdale, N. J. Cigar or cigarette holder. No. 1,068,436; July 29; Gaz. vol. 192; p. 1007.
- Long, Eugene M., New York, N. Y. Automatic sprinkler-head. No. 1,079,136; Nov. 18; Gaz. vol. 196; p. 717.
- Long, F. Earl. (See Whitney, Henry B., assignor.)
- Long, Frank H., Winnemucca, Nev. Air-hose coupling for railway-cars. No. 1,070,902; Aug. 19; Gaz. vol. 193; p. 690.
- Long, Frederick R. (See Long, Clinton E. and F. R.)
- Long, George A., assignor to The Gray Telephone Pay Station Company, Hartford, Conn. Coin-chute. No. 1,061,093; May 6; Gaz. vol. 190; p. 182.
- Long, George A., assignor to The Gray Telephone Pay Station Company, Hartford, Conn. Telephone pay-station. No. 1,075,485; Oct. 14; Gaz. vol. 195; p. 337.
- Long, George R., Waterbury, Conn., and H. G. Cordley, Glen Ridge, N. J., assignors to said Long. Liquid-cooler. No. 1,079,918; Nov. 25; Gaz. vol. 196; p. 1018.
- Long, Guy C., Navan, S. D. Harrow. No. 1,052,931; Feb. 11; Gaz. vol. 187; p. 405.
- Long, Herbert J., New Brunswick, N. J. Automatic valve. No. 1,055,478; Mar. 11; Gaz. vol. 188; p. 314.
- Long, Herbert J., New Brunswick, N. J. Safety gas appliance. No. 1,076,774; Oct. 28; Gaz. vol. 195; p. 864.
- Long, Ira H., Peru, Ind. Folding umbrella. No. 1,071,762; Sept. 2; Gaz. vol. 194; p. 32.
- Long, J. Oscar, *et al.* (See Maxfield, Charles A., assignor.)
- Long, James A., Lahoma, Okla. Attachment for planters. No. 1,068,678; July 29; Gaz. vol. 192; p. 1091.
- Long, James J., New York, N. Y. Freight-car-door hanger. No. 1,062,599; May 27; Gaz. vol. 190; p. 808.
- Long, James J., Melvin, Ill. Harness-saddle. No. 1,068,910; July 29; Gaz. vol. 192; p. 1173.
- Long, John. (See Anderson and Long.)
- Long, John D., D. H. Currie, and F. Simpson, San Francisco, Cal. Machine for rodent destruction. No. 1,059,622; Apr. 22; Gaz. vol. 189; p. 884.
- Long, Matthew T., Helena, Okla., assignor to The Helena Manufacturing Company. Tire-bolting machine. No. 1,078,052; Nov. 11; Gaz. vol. 196; p. 310.
- Long, Percy E., and W. L. Schwarz, La Crosse, Wis. Seed-separator. No. 1,070,350; Aug. 12; Gaz. vol. 193; p. 462.
- Long, Richard H., Oakland, Cal. Registering system. No. 1,055,929; Mar. 11; Gaz. vol. 188; p. 463.
- Long, Robert G. (See Harley and Long.)
- Long, Robert J., Fullerton, La. Logging grip-hook. No. 1,050,479; Jan. 14; Gaz. vol. 186; p. 431.
- Long, Samuel F., *et al.* (See McKibbin, John B., assignor.)
- Long, William B. (See Lortz, Charles C., assignor.)
- Long, William J., St. Louis, Mo. Vacuum-massage. No. 1,071,931; Sept. 2; Gaz. vol. 194; p. 91.
- Long, William T., Sumner, Wash. Compound tool. No. 1,063,706; June 3; Gaz. vol. 191; p. 187.
- Longenecker, Allen B., Smithville, Ohio. Vehicle-runner. No. 1,053,616; Feb. 18; Gaz. vol. 187; p. 683.
- Longenecker, William C., Verden, Okla. Cotton-chopper. No. 1,054,299; Feb. 25; Gaz. vol. 187; p. 950.
- Longest, Philip S. (See Longest, William B. and P. S.)
- Longest, William B. and P. S., Louisville, Ky. Dumping-vehicle. No. 1,079,780; Nov. 25; Gaz. vol. 196; p. 971.
- Longway, William, Gary, Ind. Breathing appliance. No. 1,078,364; Nov. 11; Gaz. vol. 196; p. 419.
- Longfeather, Nicholas, Atlanta, Ga. Treating trees. No. 1,070,499; Aug. 19; Gaz. vol. 193; p. 557.
- Longfellow, Martin W., assignor to The Baltimore Gas Appliance and Manufacturing Company, Baltimore, Md. Gas-burner. No. 1,064,505; June 10; Gaz. vol. 191; p. 493.
- Longley, Charles O., *et al.* (See Chambers, James M., assignor.)
- Longstaff, Francis, and L. E. Trembley, Pittsfield, Mass. Molding-machine. No. 1,055,479; Mar. 11; Gaz. vol. 188; p. 314.
- Longstaff, Thomas, and S. C. Moore, Fromberg, Mont. Acetylene-lamp. No. 1,053,516; Feb. 18; Gaz. vol. 187; p. 649.
- Longuemare, Georges A. V., Ste. Adress, France. Unperforable metallic band for tires. No. 1,064,661; June 10; Gaz. vol. 191; p. 544.
- Longwell, Charles B., Logansport, Ind. Paper-filing device. No. 1,071,065; Aug. 26; Gaz. vol. 193; p. 779.
- Longwell, Henry E., assignor, by mesne assignments, to The Colonial Trust Company, trustee, Pittsburgh, Pa. Means for operating gas-producers. No. 1,070,825; Aug. 19; Gaz. vol. 193; p. 666.
- Lonzo, William, assignor, by mesne assignments, to Lyon Manufacturing Company, Fitchburg, Mass. Bobbin-cleaner. No. 1,067,614; July 15; Gaz. vol. 192; p. 655.
- Lookerman, Charles A., Crisfield, Md. Crab-crate. No. 1,073,356; Sept. 16; Gaz. vol. 194; p. 651.
- Loomis, Allen, assignor, by mesne assignments, to Packard Motor Car Company, Detroit, Mich. Throttle-controlling means for motor-vehicles. No. 1,053,188; Feb. 18; Gaz. vol. 187; p. 535.
- Loomis, Allen, assignor to Packard Motor Car Company, Detroit, Mich. Vehicle-canopy. No. 1,071,066; Aug. 26; Gaz. vol. 193; p. 779.
- Loomis, Burdett, Hartford, Conn. Making cellulose. No. 1,052,675; Feb. 11; Gaz. vol. 187; p. 316.
- Loomis, Burdett, Hartford, Conn., assignor to Loomis Utilization Company. Drying and seasoning wood. No. 1,050,151; Jan. 14; Gaz. vol. 186; p. 316.
- Loomis, Burdett, Hartford, Conn., assignor to Loomis Utilization Company. Apparatus for treating furnace-gases and preparing fuel. No. 1,066,296; July 1; Gaz. vol. 192; p. 140.
- Loomis, Charles A. (See Wild, Laurent H., assignor.)
- Loomis, Edwin C., assignor to Spengler Brothers Company, Chicago, Ill. Knife-grinder. No. 1,078,507; Nov. 11; Gaz. vol. 196; p. 467.
- Loomis, Edwin C., assignor to Spengler Brothers Company, Chicago, Ill. Scissors-grinding attachment. No. 1,078,508; Nov. 11; Gaz. vol. 196; p. 467.
- Loomis, Fredrick S. (See Tiffany and Loomis.)
- Loomis, Harry T., New York, N. Y. Display-box. No. 1,065,538; June 24; Gaz. vol. 191; p. 909.
- Loomis, Henry M., Claverack, N. Y. Husking-roll for corn-husking machines. No. 1,059,676; Apr. 22; Gaz. vol. 189; p. 901.
- Loomis, James T., Toledo, Ohio. Whirligig. No. 1,059,886; Apr. 22; Gaz. vol. 189; p. 968.
- Loomis, Norman M. (See Dodge and Loomis.)
- Loomis Utilization Company. (See Loomis, Burdett, assignor.)
- Looney, Marma D., Snyder, Tex. Advertising-machine. No. 1,067,932; July 22; Gaz. vol. 192; p. 795.
- Looney, William E., Fort Worth, Tex. Rotary multiple-cylinder four-cycle engine. No. 1,063,456; June 3; Gaz. vol. 191; p. 96.
- Loose, Anton, Hermsdorf, assignor to Chemische Fabrik auf Actien (vorm. E. Schering), Berlin, Germany. Acetylating cellulose and its products of transformation. No. 1,069,445; Aug. 5; Gaz. vol. 193; p. 125.
- Loose-Wiles Biscuit Company. (See Lawrence, Edward E., assignor.)
- Lopez, Arthur, assignor to The Hammond Typewriter Co., New York, N. Y. Ribbon guiding and lifting attachment for type-writing machines. No. 1,049,742; Jan. 7; Gaz. vol. 186; p. 144.
- Lorain Steel Company, The. (See Isenberg, Herbert G., assignor.)
- Lorain Steel Company, The. (See Stewart, John V., assignor.)
- Lorain Steel Company, The. (See Wertz, Frank, assignor.)
- Loranger, Benjamin G. (See Loranger, John B. and B. G.)
- Loranger, John B., Detroit, Mich. Hinge. No. 1,054,221; Feb. 25; Gaz. vol. 187; p. 927.
- Loranger, John B. and B. G., Detroit, Mich.; said John B. Loranger assignor to said B. G. Loranger. Patient's adjustable table. No. 1,071,621; Aug. 26; Gaz. vol. 193; p. 964.
- Lord, Charles, Minersville, Pa. Drill. No. 1,062,486; May 20; Gaz. vol. 190; p. 729.
- Lord, Charles J., Leedey, Okla. Combined halter and weaner. No. 1,065,820; June 24; Gaz. vol. 191; p. 1004.
- Lord, Harry A., South Pasadena, Cal. Combined air motor and compressor for starting internal-combustion engines. No. 1,080,289; Dec. 2; Gaz. vol. 197; p. 130.
- Lord, Hugh C., Erie, Pa. Target-trap. No. 1,074,725; Oct. 7; Gaz. vol. 195; p. 48.
- Lord, Peter, Montreal, Quebec, Canada. Gearing. No. 1,053,099; Feb. 11; Gaz. vol. 187; p. 462.
- Lord, Richard, Cedar Rapids, Iowa. Loose-leaf book. No. 1,076,131; Oct. 21; Gaz. vol. 195; p. 585.
- Lord, William T., Kensington, London, England. Change-speed gearing for motor-vehicles. No. 1,049,883; Jan. 7; Gaz. vol. 186; p. 191.
- Lorentzen, Hans K., assignor to D. I. Garretson, New York, N. Y. Apparatus for manufacturing horseshoes. No. 1,078,296; Nov. 11; Gaz. vol. 196; p. 395.
- Lorenz, Edward H., Hartford, assignor, by mesne assignments, to The Noiseless Typewriter Company, Middletown, Conn. Type-writing machine. No. 1,082,535; Dec. 30; Gaz. vol. 197; p. 1021.
- Lorenz, Edward H., Hartford, assignor, by mesne assignments, to The Noiseless Typewriter Company, Middletown, Conn. Type-writing machine. No. 1,082,536; Dec. 30; Gaz. vol. 197; p. 1021.
- Lorenz, Edward H., Hartford, assignor, by mesne assignments, to The Noiseless Typewriter Company, Middletown, Conn. Type-writing machine. No. 1,082,537; Dec. 30; Gaz. vol. 197; p. 1022.
- Lorenz, Franz, assignor to F. A. Hardy & Company, Chicago, Ill. Instrument for testing the eyes. No. 1,066,026; July 1; Gaz. vol. 192; p. 42.
- Lorenz, Joseph, Robinson, Ill. Reamer. No. 1,059,179; Apr. 15; Gaz. vol. 189; p. 696.
- Lorenz, William A., *et al.* (See Merritt, Joseph, assignor.)
- Lorenz, William A., Stockdale, Tex. Flue-scraper. No. 1,058,245; Apr. 8; Gaz. vol. 189; p. 336.
- Lorenz, William A., Hartford, assignor, by mesne assignments, to Andrew C. Campbell, Incorporated, Waterbury, Conn. Self-locking cotter-pin. No. 1,056,190; Mar. 18; Gaz. vol. 188; p. 587.

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- Lorenz, William A., Hartford, Conn., assignor to Union Paper Bag Machine Company, Philadelphia, Pa. Tube-cutting mechanism. No. 1,075,836; Oct. 14; Gaz. vol. 195; p. 456.
- Lorenz, William A., Hartford, Conn., assignor to Union Paper Bag Machine Company, Philadelphia, Pa. Paper-bag machine. No. 1,081,315; Dec. 16; Gaz. vol. 197; p. 548.
- Lorenz, William A., Hartford, assignor, by mesne assignments, to The Noiseless Typewriter Company, Middletown, Conn. Type-writing machine. No. 1,082,538; Dec. 30; Gaz. vol. 197; p. 1022.
- Lorenzen, Edward B. (See Artz and Lorenzen.)
- Lorenzi, Louis F., Racine, Pa. Railway-track anchor. No. 1,057,969; Apr. 1; Gaz. vol. 189; p. 196.
- Lorimer, Egbert S. (See Hulfish, Herdman, and Lorimer.)
- Lorimer, John H., assignor to W. S. Lorimer, trustee, Philadelphia, Pa. Drying-machine. No. 1,069,342; Aug. 5; Gaz. vol. 193; p. 89.
- Lorimer, William S., trustee. (See Lorimer, John H., assignor.)
- Loring, Helene V. A., Chicago, Ill. Dressing-case. No. 1,074,634; Oct. 7; Gaz. vol. 195; p. 16.
- Lorme, Maxime, London, England. Antiskid-stud. No. 1,065,949; July 1; Gaz. vol. 192; p. 16.
- Lortz, Charles C., assignor of one-half to W. B. Long, Omaha, Nebr. Square. No. 1,068,679; July 29; Gaz. vol. 192; p. 1091.
- Los Angeles Trust & Savings Bank, trustee. (See Lindemann, Berthold, assignor.)
- Losak, John, Marcus Hook, Pa. Cooper's tool. No. 1,051,742; Jan. 28; Gaz. vol. 186; p. 926.
- Losey, North, Indianapolis, Ind. Artificial-light-diffusing apparatus. No. 1,082,753; Dec. 30; Gaz. vol. 197; p. 1100.
- Lossing, Philo M., Kalkaska, Mich. Combined whiffletree and trace-fastener. No. 1,066,634; July 8; Gaz. vol. 192; p. 285.
- Losure, Lisander. (See Booz and Losure.)
- Losure Spray Mfg. Co. (See Booz and Losure, assignors.)
- Lotherington, Thomas, Little Rock, Ark. Hitching-strap. No. 1,061,247; May 6; Gaz. vol. 190; p. 234.
- Loton, August, Buffalo, N. Y. Curtain-supporting device. No. 1,076,775; Oct. 28; Gaz. vol. 195; p. 865.
- Lotridge, William. (See Fortune and Lotridge.)
- Lotstrom, Alexander E., Seattle, Wash. Nut-lock. No. 1,071,622; Aug. 26; Gaz. vol. 193; p. 964.
- Lott, C. G., et al. (See Colley, Frank, assignor.)
- Lott, Clyde R., Washington, D. C. Automatic gas cut-off. No. 1,067,434; July 15; Gaz. vol. 192; p. 594.
- Lotte, Henry, St. Jean d'Angély, France. Wheel with multiple and balanced rims. No. 1,076,591; Oct. 21; Gaz. vol. 195; p. 747.
- Lotterhand, Jason C., New York, N. Y., assignor to Addometer Corporation, Dover, Del. Printing mechanism for adding-machines. (Reissue.) No. 13,539; Mar. 4; Gaz. vol. 188; p. 217.
- Lotterhand, Jason C., New York, N. Y., assignor to Addometer Corporation, Dover, Del. Printing-mechanism for adding-machines. No. 1,069,152; Aug. 5; Gaz. vol. 193; p. 21.
- Lottier, Ernest E., West Hoboken, N. J. Shoe-heel lift. No. 1,057,351; Mar. 25; Gaz. vol. 188; p. 1014.
- Lottridge, Frank M., Star City, Ind. Metal-shears. No. 1,058,769; Apr. 15; Gaz. vol. 189; p. 553.
- Lotz, Rudolph W., assignor, by mesne assignments, to Bradley & Vrooman Co., Chicago, Ill. Machine for coating articles with pulverulent material. No. 1,068,680; July 29; Gaz. vol. 192; p. 1092.
- Lotz, William A., Newark, N. J., assignor to R. Neumann Hardware Co. Catch for portfolios and the like. No. 1,052,676; Feb. 11; Gaz. vol. 187; p. 317.
- Loucks, Frederick B., Chicago, Ill. Device for locating and raising sunken vessels. No. 1,059,548; Apr. 22; Gaz. vol. 189; p. 860.
- Loucks, George H., Chicago, Ill. Amalgamator. No. 1,070,048; Aug. 12; Gaz. vol. 193; p. 359.
- Louden Machinery Company. (See Neller, Albert H., assignor.)
- Louden, William, Fairfield, Iowa. Cow-stall. No. 1,057,249; Mar. 25; Gaz. vol. 188; p. 981.
- Loudon, Archibald M., et al., administrators. (See Gow, John, assignor.)
- Loudon, Cornelius, assignor of one-half to E. B. Partridge, Phelps, N. Y. Mainspring-winding arbor. No. 1,052,836; Feb. 11; Gaz. vol. 187; p. 371.
- Lough, Hector V., Plainfield, and W. E. Lough, North Plainfield, N. J. Bedstead corner-bracket. No. 1,082,754; Dec. 30; Gaz. vol. 197; p. 1100.
- Lough, Walter E. (See Lough, Hector V. and W. E.)
- Loughlin, James M., Chicago, Ill., assignor to Thomas Cusack Company. Electrically-illuminated sign. No. 1,064,506; June 10; Gaz. vol. 191; p. 493.
- Loughridge, Joseph E., Tunnelton, W. Va. Connecting device for vehicle draft attachments. No. 1,051,138; Jan. 21; Gaz. vol. 186; p. 691.
- Louis A. Boettiger Company. (See Atkeson, William A., assignor.)
- Lourdin, Louis M. G., Paris, France. Dirigible headlight. No. 1,062,833; May 27; Gaz. vol. 190; p. 885.
- Loureiro, Joao B., Para, Brazil. Can-opener. No. 1,073,502; Sept. 16; Gaz. vol. 194; p. 701.
- Lourie, Percy S., et al. (See Isaacson and Morgan, assignors.)
- Loutrel, Cyrus H., South Orange, assignor to The National Lock Washer Company, Newark, N. J. Nut-lock. No. 1,065,149; June 17; Gaz. vol. 191; p. 739.
- Loutzenhiser, Jacob T., assignor of one-fourth to C. B. Christ, Greenville, Pa. Track clamp and brace. No. 1,068,252; July 22; Gaz. vol. 192; p. 906.
- Louviere, Samuel, Union, La. Fly-trap. No. 1,072,342; Sept. 2; Gaz. vol. 194; p. 226.
- Lovász, Josef. (See Király and Lovász.)
- Love, Jacob W., and G. C. Webster, Warren, Ohio. Lighting attachment for sewing and other machines. No. 1,083,020; Dec. 30; Gaz. vol. 197; p. 1190.
- Love, Leland B., Memphis, Tenn. Indicator. No. 1,057,970; Apr. 1; Gaz. vol. 189; p. 196.
- Love, Matthew, Worcester, assignor to H. W. Knights, Boston, Mass. Mechanism for cracking nuts. No. 1,073,694; Sept. 23; Gaz. vol. 194; p. 791.
- Lovejoy, Dimmitt R., Freneau, N. J. Connector for electric wires. No. 1,064,920; June 17; Gaz. vol. 191; p. 664.
- Lovejoy, George E., Boston, and J. G. Robinson, Melrose, Mass. Steam vacuum-pump. No. 1,063,269; June 3; Gaz. vol. 191; p. 34.
- Lovejoy, Mabry, assignor of one-half to J. D. Kuykendall, Carlsbad, N. Mex. Mechanical toy. No. 1,068,147; July 22; Gaz. vol. 192; p. 868.
- Lovejoy, Thomas H. (See Shreve, Harry B., assignor.)
- Loveland, Emmett O., Kansas City, Mo. Card-case. No. 1,073,768; Sept. 23; Gaz. vol. 194; p. 817.
- Loveland, Herman, Fremont, Ohio. Bill-file. No. 1,052,677; Feb. 11; Gaz. vol. 187; p. 317.
- Loveland, William, and H. E. Sloan, Philadelphia, Pa. Type-turtle or fudge-bed for rotary printing-presses. No. 1,052,678; Feb. 11; Gaz. vol. 187; p. 318.
- Lovelis, William A., Ozan, Ark. Brake-shoe. No. 1,078,866; Nov. 18; Gaz. vol. 196; p. 624.
- Lovell, Albert K., New Haven, Conn. Bottle-stopper. No. 1,069,153; Aug. 5; Gaz. vol. 193; p. 21.
- Lovell, Edward C., Bristol, England. Machine for making cylinders of cardboard and the like. No. 1,056,191; Mar. 18; Gaz. vol. 188; p. 587.
- Lovell, Jesse D. (See Colley, Clayton D., assignor.)
- Lovering, John W., Sandown, N. H. Tool. No. 1,056,920; Mar. 25; Gaz. vol. 188; p. 867.
- Lovett, David W., Peru, Ill. Sash-retaining means. No. 1,054,008; Feb. 25; Gaz. vol. 187; p. 853.
- Lovett, Morris J., assignor of one-half to E. A. Hillman, Randsburg, Cal. Permutation-padlock. No. 1,051,139; Jan. 21; Gaz. vol. 186; p. 691.
- Lovett, Thomas J., Chicago, Ill. Treating ore. (Reissue.) No. 13,517; Jan. 21; Gaz. vol. 186; p. 772.
- Lovett, Thomas J., assignor to Copper Process Company, Chicago, Ill. Ore-treating process. No. 1,071,763; Sept. 2; Gaz. vol. 194; p. 33.
- Low, Everett M., New York, N. Y. Typographic composing-machine. No. 1,058,877; Apr. 15; Gaz. vol. 189; p. 593.
- Low, Everett M., New York, N. Y. Device for treating type-metals. No. 1,082,279; Dec. 23; Gaz. vol. 197; p. 903.
- Low, John M., Chicago, Ill. Butter-cutter. No. 1,057,750; Apr. 1; Gaz. vol. 189; p. 121.
- Low, Samuel P., Santa Barbara, Cal. Dust-collecting attachment for brooms. No. 1,082,128; Dec. 23; Gaz. vol. 197; p. 849.
- Lowd, Robert T., Chattanooga, Tenn. Pedal. No. 1,070,971; Aug. 19; Gaz. vol. 193; p. 712.
- Lowden, Amos H., assignor to E. C. Lowden, Bridgeport, Conn. Lifting-jack. No. 1,056,346; Mar. 18; Gaz. vol. 188; p. 638.
- Lowden, Emma C. (See Lowden, Amos H., assignor.)
- Lowe, Edgar. (See Andrick, Lowe, and Haff.)
- Lowe, George M., Ridgeway, Mo. Adjustable hog-trap. No. 1,078,509; Nov. 11; Gaz. vol. 196; p. 468.
- Lowe, James A., North Branch, N. J. Wheel. No. 1,056,107; Mar. 18; Gaz. vol. 188; p. 560.
- Lowe, John, New Bedford, assignor to J. K. Lanning, Boston, Mass. Spinning-mule. No. 1,079,302; Nov. 18; Gaz. vol. 196; p. 771.
- Lowe, O., et al. (See Hupp, William R., assignor.)
- Lowe, P. Demarest. (See Hoffmann, Alexander, assignor.)
- Lowe, Perley. (See O'May, James, assignor.)
- Lowe, Thaddeus S. C., Los Angeles, Cal. Airship. No. 1,061,484; May 13; Gaz. vol. 190; p. 351.
- Lowe, Thomas, and T. L. King, Garfield, Wash. Sawing-machine. No. 1,063,986; June 10; Gaz. vol. 191; p. 313.
- Lowe, Thomas A. (See Johnston, James W., assignor.)
- Lowell, Murland R., Brasher Falls, N. Y. Incubator attachment. No. 1,082,350; Dec. 23; Gaz. vol. 197; p. 928.
- Löwendahl, Victor, Stockholm, Sweden. Manufacturing porous metal blocks. No. 1,051,814; Jan. 28; Gaz. vol. 186; p. 950.
- Lowenthal, Albert E., Moseley, England. Saddle for motor-cycles and the like. No. 1,076,655; Oct. 21; Gaz. vol. 195; p. 770.

Alphabetical list of patentees—Continued.

- Lowenthal, Berthold, *et al.* (See Wheeler, Orrin A., assignor.)
- Lowenthal, Edward D., *et al.* (See Wheeler, Orrin A., assignor.)
- Lower, Clyde C., Ashton, S. D. Engine speed-regulator. No. 1,068,350; July 22; Gaz. vol. 192; p. 940.
- Lowcree, Edgar R., Baltimore, Md. Bed. No. 1,058,076; Apr. 8; Gaz. vol. 189; p. 278.
- Lowman, Adonis G. E., Winnipeg, Manitoba, Canada. Ear-plate. No. 1,062,654; May 27; Gaz. vol. 190; p. 827.
- Lowman, Robert G., Richmond, Va., assignor to G. Pope, Brooklyn, N. Y. Tobacco-retainer. No. 1,058,611; Apr. 8; Gaz. vol. 189; p. 461.
- Lowndes, George S., Jr., assignor of one-half to G. S. Lowndes, Sr., Atlanta, Ga. Bale-tag. No. 1,056,701; Mar. 18; Gaz. vol. 188; p. 762.
- Lowndes, Richard H., Atlanta, Ga. Universal joint. No. 1,058,878; Apr. 15; Gaz. vol. 189; p. 593.
- Lowres, George J., Newark, N. J., assignor to Lowres Optical Company. Eyeglass-mounting. No. 1,054,222; Feb. 25; Gaz. vol. 187; p. 927.
- Lowres Optical Company. (See Lowres, George J., assignor.)
- Lowrey, Sherman L., Pittsburgh, Pa. Weed-extracting tool. No. 1,065,456; June 24; Gaz. vol. 191; p. 882.
- Lowrie, Harvey C., deceased; J. M. Lowrie, administrator, New York, N. Y. Safe-door and locking mechanism therefor. No. 1,050,741; Jan. 14; Gaz. vol. 186; p. 517.
- Lowrie, Harvey C., deceased; J. M. Lowrie, administrator, New York, N. Y. Wall-safe. No. 1,050,776; Jan. 14; Gaz. vol. 186; p. 528.
- Lowrie, Harvey C., deceased; J. M. Lowrie, New York, N. Y., administrator. Wall-safe. (Reissue.) No. 13,625; Oct. 7; Gaz. vol. 195; p. 259.
- Lowrie, John M., administrator. (See Lowrie, Harvey C.)
- Lowrie, John M., administrator. (See Lowrie, Harvey C.) (Reissue.)
- Lowrimore, James M., Thomasville, Ga. Sleeping-ham-mock. No. 1,071,764; Sept. 2; Gaz. vol. 194; p. 33.
- Lowry, Audy A., Tamms, Ill. Hame-fastener. No. 1,058,187; Apr. 8; Gaz. vol. 189; p. 317.
- Lowry, George A., Malden, Mass. Shredding-machine. No. 1,063,365; June 3; Gaz. vol. 191; p. 66.
- Lowry, Robert C., and L. F. Winter, New York, N. Y.; said Winter assignor to said Lowry. Bundling-machine. No. 1,057,488; Apr. 1; Gaz. vol. 189; p. 31.
- Löwy, Alois. (See Benedict, Franz C., assignor.)
- Loy, Frank, Newark, N. J., assignor to Loy and Nawrath Company. Sheet-metal-bending machine. No. 1,062,244; May 20; Gaz. vol. 190; p. 649.
- Loy and Nawrath Company. (See Loy, Frank, assignor.)
- Loy, William C., assignor to O. A. Davis, H. F. Crim, and C. Hoover, Rochester, Ind. Permutation door-lock. No. 1,056,036; Mar. 18; Gaz. vol. 188; p. 535.
- Loyd, Warren, Milltown, Ga. Churning-machine. No. 1,050,961; Jan. 21; Gaz. vol. 186; p. 630.
- Loziano, Leon, Paris, assignor to Société Anonyme Montbarbon, Neuilly-sur-Seine, France. Radiator. No. 1,053,309; Feb. 18; Gaz. vol. 187; p. 577.
- Lozier, Lehman F., and R. A. P. S., and W. T. Reedy, Edna, Kans. Detachable centrifugal distributor for manure-spreaders. No. 1,057,751; Apr. 1; Gaz. vol. 189; p. 121.
- Luard, Edward S., London, England. Steam-superheater for locomotive, marine, and other boilers. No. 1,077,617; Nov. 4; Gaz. vol. 196; p. 129.
- Lubbock, William L., Houston, Tex. Garbage-receptacle. No. 1,061,390; May 13; Gaz. vol. 190; p. 318.
- Lubell, Abraham P., New York, N. Y. Boy's blouse. No. 1,054,300; Feb. 25; Gaz. vol. 187; p. 950.
- Lubin Manufacturing Company. (See Tessier, Julien, assignor.)
- Lucabaugh, Levi H., Bluffton, Ind. Cement tie with metal rail-fastenings. No. 1,065,313; June 17; Gaz. vol. 191; p. 794.
- Lucas, Charles H., Waltham, Mass. Paper-gage. No. 1,076,682; Oct. 28; Gaz. vol. 195; p. 832.
- Lucas, John C. (See Johnson and Lucas.)
- Lucas, John T. (See Shepard and Lucas.)
- Lucas, Louis, assignor to Curtis Machine Corporation, Jamestown, N. Y. Sanding-machine. No. 1,063,923; June 3; Gaz. vol. 191; p. 258.
- Lucas, Owen D., Bayswater, London, England. Carbureter for internal-combustion engines. No. 1,082,466; Dec. 23; Gaz. vol. 197; p. 964.
- Lucas, Paul, Südende, near Berlin, Germany. Incandescent gas-lamp. No. 1,055,342; Mar. 11; Gaz. vol. 188; p. 268.
- Lucas, Warren P. (See Truxal, Norval W., assignor.)
- Luce, George D., New Orleans, La. Cane-stripper. No. 1,053,917; Feb. 18; Gaz. vol. 187; p. 784.
- Luce, George D., New Orleans, La. Core-plate for levees. No. 1,058,077; Apr. 8; Gaz. vol. 189; p. 278.
- Luce, George E., Riverhead, N. Y. Potato-separator. No. 1,079,181; Nov. 18; Gaz. vol. 196; p. 733.
- Luciano, Achille, Bloomfield, N. J., assignor to Nightingale Reproducer Co., Newark, N. J. Phonograph-reproducer. No. 1,080,839; Dec. 9; Gaz. vol. 197; p. 354.
- Luck, John J., San Antonio, Tex. Pneumatic tire. No. 1,081,846; Dec. 16; Gaz. vol. 197; p. 727.
- Luckenbach, Harry, Chicago, Ill., assignor to Luckenbach Inventions Development Company, New York, N. Y. Amalgamator. No. 1,052,157; Feb. 4; Gaz. vol. 187; p. 109.
- Luckenbach, Harry, Chicago, Ill., assignor to Luckenbach Inventions Development Company, New York, N. Y. Pulverizer. No. 1,058,313; Apr. 8; Gaz. vol. 189; p. 360.
- Luckenbach Inventions Development Company. (See Luckenbach, Harry, assignor.)
- Luckett, William S., East Orange, N. J., assignor to International Cigar Machinery Company, New York, N. Y. Cigar-wrapping mechanism. No. 1,075,216; Oct. 7; Gaz. vol. 195; p. 216.
- Luckey, William T., Thomson, Ga. Trousers-presser. No. 1,055,930; Mar. 11; Gaz. vol. 188; p. 464.
- Luckey, William T., Richmond, Va. Trousers-press. No. 1,065,260; June 17; Gaz. vol. 191; p. 776.
- Luckhurst, Allen E. J., Ridgewood, N. J. Non-toppling block. No. 1,080,640; Dec. 9; Gaz. vol. 197; p. 281.
- Ludders, Jacob E., *et al.* (See Gray, Isaac C., assignor.)
- Ludford, Enoch, Jr., Elizabeth City, N. C. Sheave-block. No. 1,067,044; July 8; Gaz. vol. 192; p. 423.
- Ludgate, George C., Brooklyn, N. Y. Adjustable dog. No. 1,060,915; May 6; Gaz. vol. 190; p. 122.
- Ludgate, George C., Brooklyn, N. Y. Protector. No. 1,073,861; Sept. 23; Gaz. vol. 194; p. 846.
- Ludington Basket Company. (See Harley, Charles, assignor.)
- Ludlow, Frederick J. (See Thompson, Ludlow, and McDonald.)
- Ludlow Typograph Company, The. (See Reade, William A., assignor.)
- Ludlow, Walter S., *et al.* (See Kaiser, Oliver B., assignor.)
- Ludlow, Walter S., Jr., *et al.* (See Kaiser, Oliver B., assignor.)
- Ludlum, Albert C., New York, N. Y., assignor to New York Engineering Company. Spring drilling apparatus. No. 1,053,189; Feb. 18; Gaz. vol. 187; p. 535.
- Ludtke, Chris W., Jr., Markesan, Wis. Type-case attachment. No. 1,056,702; Mar. 18; Gaz. vol. 188; p. 762.
- Ludwick, Harlan M., Parkersburg, Pa. Fluid-actuated lathe-chuck. No. 1,075,715; Oct. 14; Gaz. vol. 195; p. 414.
- Ludwick, Ulysses E., Omaha, Nebr. Engine. No. 1,053,414; Feb. 18; Gaz. vol. 187; p. 614.
- Ludwick, William F., Beaumont, Kans., assignor of one-half to C. G. Miller, Enid, Okla. Nut-lock. No. 1,078,738; Nov. 18; Gaz. vol. 196; p. 579.
- Ludwig, Christopher A., Philadelphia, Pa. Hat-pin. No. 1,053,840; Feb. 18; Gaz. vol. 187; p. 758.
- Ludwig, Frank G., Lockport, Ill. Commutator-truing device. No. 1,076,217; Oct. 21; Gaz. vol. 195; p. 614.
- Ludwig, John A., and J. B. Moses, Dallas, Tex. Trousers. No. 1,071,932; Sept. 2; Gaz. vol. 194; p. 91.
- Ludwig, Louis E., Dale, Ind. Ditching-plow. No. 1,082,641; Dec. 30; Gaz. vol. 197; p. 1060.
- Ludwig, William F., Chicago, Ill. Musical instrument. No. 1,054,009; Feb. 25; Gaz. vol. 187; p. 853.
- Ludwig, William H., Vesper, Wis. Silo. No. 1,075,360; Oct. 14; Gaz. vol. 195; p. 293.
- Luebker, Frederick E., New York, N. Y. Power-transmission mechanism. No. 1,064,752; June 17; Gaz. vol. 191; p. 612.
- Luecke, William F., Manawa, Wis. Cheese-hoop follower. No. 1,051,848; Jan. 28; Gaz. vol. 186; p. 962.
- Luellen, Lawrence W., New York, N. Y. Dispensing apparatus. No. 1,081,508; Dec. 16; Gaz. vol. 197; p. 614.
- Lueters, William G. (See Heinkel and Lueters.)
- Luethe, Jakob A., Camden, N. J. Pumping mechanism and operating means therefor. No. 1,059,943; Apr. 22; Gaz. vol. 189; p. 988.
- Luetje, Reimer N. (See Morris and Luetje.)
- Luft-Fahrzeug-Gesellschaft m. b. H. (See Blochmann, Ernst, assignor.)
- Luftschiffsantrieb Gesellschaft mit beschränkter Haftung. (See Wisniewski, Vincent, assignor.)
- Luick Bassett Producer Company. (See Luick and Bassett, assignors.)
- Luick, William F., and A. J. Bassett, Milwaukee, Wis., assignors to Luick Bassett Producer Company. Gas-producer. No. 1,062,721; May 27; Gaz. vol. 190; p. 848.
- Luithlen, Hermann V. (See Braun, Luithlen, and Neumann.)
- Luitwieler, Samuel W., Rochester, N. Y. Driving mechanism for triplex pumps. No. 1,070,706; Aug. 19; Gaz. vol. 193; p. 626.
- Lukacs, Joseph, South Bend, Ind. Buckle. No. 1,060,196; Apr. 29; Gaz. vol. 189; p. 1116.
- Lukat, Gust. (See Osborn and Lukat.)
- Luke, Benjamin F., deceased, and C. L. Allen, Orangeville, E. J. Luke, E. H. Sparks, Jr., and C. L. Allen, administrators; said administrators (except E. J. Luke, deceased) and said C. L. Allen assignors to Utah Patent & Implement Co., Salt Lake City, Utah. Ground-working machine. No. 1,054,659; Feb. 25; Gaz. vol. 187; p. 1075.
- Luke, Emily J., *et al.*, administrators. (See Luke and Allen.)

Alphabetical list of patentees—Continued.

- Luke, Robert A., Columbus, Ga. Trace-end snap. No. 1,063,366; June 3; Gaz. vol. 191; p. 66.
- Lukemeyer, Edwin J., Helena, Ark., and W. Geib, Cloverdale, Mich. Saw-tooth shaper. No. 1,049,884; Jan. 7; Gaz. vol. 186; p. 191.
- Lumiere, Louis, Lyon, France, assignor to Victor Talking Machine Company, Camden, N. J. Acoustical instrument. No. 1,072,477; Sept. 9; Gaz. vol. 194; p. 304.
- Lumiere, Louis, Lyon, France, assignor to Victor Talking Machine Company, Camden, N. J. Acoustical instrument. No. 1,077,536; Nov. 4; Gaz. vol. 196; p. 104.
- Lumley, Wilfrid, Conneaut, Ohio, assignor, by mesne assignments, to General Electric Company. Fixture. No. 1,059,742; Apr. 22; Gaz. vol. 189; p. 922.
- Lummen, Maurice v. M. de, Cologne, Germany. Roasting-furnace. No. 1,067,045; July 8; Gaz. vol. 192; p. 424.
- Lummen, Maurice van M. de, Cologne, Germany. Agitating or stirring device for use in mechanical roasting-furnaces. No. 1,061,303; May 13; Gaz. vol. 190; p. 289.
- Lummen, Maurice Van M. de, Cologne, Germany. Agitating device for roasting-furnaces or the like. No. 1,076,297; Oct. 21; Gaz. vol. 195; p. 642.
- Lummus Cotton Gin Company. (See Grimes, Thaddeus S., assignor.)
- Lummus, Walter E., Lynn, Mass. Dissolving-tank. No. 1,063,707; June 3; Gaz. vol. 191; p. 188.
- Lumpkin, John R., Brooklyn, assignor of one-half to H. H. Oppenheimer, New York, N. Y. Printing mechanism. No. 1,069,446; Aug. 5; Gaz. vol. 193; p. 125.
- Lumsden, Thomas, Gateshead, England. Tool-holder for tool-grinding machines. No. 1,072,629; Sept. 9; Gaz. vol. 194; p. 356.
- Lunceford, Henry W., Los Angeles, Cal. Double-seat water-gate. No. 1,056,563; Mar. 18; Gaz. vol. 188; p. 716.
- Lund, Ebbert J., Jamestown, N. Y. Sheet-metal bedstead. No. 1,050,066; Jan. 7; Gaz. vol. 186; p. 254.
- Lund, Ebbert J., Jamestown, N. Y. Metallic window or screen frame. No. 1,059,677; Apr. 22; Gaz. vol. 189; p. 902.
- Lund, Kjeld, Southport, N. C. Rudder-lock. No. 1,080,641; Dec. 9; Gaz. vol. 197; p. 282.
- Lund, Thomas, Beverly, Mass., assignor to United Shoe Machinery Company, Paterson, N. J. Recutting-die. No. 1,054,127; Feb. 25; Gaz. vol. 187; p. 892.
- Lund, Thomas, Beverly, Mass., assignor to United Shoe Machinery Company, Paterson, N. J. Gang cutting device. No. 1,060,688; May 6; Gaz. vol. 190; p. 43.
- Lund, William, Cathlamet, and W. B. Lloyd, Skamokawa, Wash. Steering-gear. No. 1,080,766; Dec. 9; Gaz. vol. 197; p. 326.
- Lundahl, Joseph W., Thomaston, Conn. Spoon attachment. No. 1,074,441; Sept. 30; Gaz. vol. 194; p. 1070.
- Lundeberg, Carl F., Hartford, Conn., assignor to Underwood Typewriter Company, New York, N. Y. Typewriting machine. No. 1,062,019; May 20; Gaz. vol. 190; p. 572.
- Lundgren, Uno, and G. Gierling, Brussels, Belgium. Refining brown sugar. No. 1,063,708; June 3; Gaz. vol. 191; p. 188.
- Lundie, John, New York, N. Y. Tie-plate. No. 1,065,696; June 24; Gaz. vol. 191; p. 963.
- Lundin, Andreas P., New York, N. Y., assignor, by mesne assignments, to Astor Trust Company, trustee. Device for securing and releasing life-boats. No. 1,071,765; Sept. 2; Gaz. vol. 194; p. 33.
- Lundin, Andreas P., and E. L. M. Sivard, New York, N. Y., assignors, by mesne assignments, to Astor Trust Company, trustee. Metallic boat construction. No. 1,050,480; Jan. 14; Gaz. vol. 186; p. 431.
- Lundin, Martha, Bells, Cal. Spike. No. 1,073,998; Sept. 23; Gaz. vol. 194; p. 894.
- Lundin, Trued B., Philadelphia, Pa., assignor to American Fruit Machinery Company. Package-filling machine. No. 1,067,994; July 22; Gaz. vol. 192; p. 816.
- Lundius, Eric R., Seattle, Wash. Electric signaling system. No. 1,064,976; June 17; Gaz. vol. 191; p. 684.
- Lundquist, Frank A., Brooklyn, N. Y. Burglar-alarm. No. 1,051,962; Feb. 4; Gaz. vol. 187; p. 40.
- Lundquist, Frank A., assignor to C. W. Bouton, Brooklyn, N. Y. Folding umbrella. No. 1,049,743; Jan. 7; Gaz. vol. 186; p. 144.
- Lundquist, Frank A., Chicago, Ill., assignor, by mesne assignments, to Western Electric Company. Switching mechanism for telephone-exchanges. No. 1,081,128; Dec. 9; Gaz. vol. 197; p. 446.
- Lundstrom, Charles G., Chicago, Ill. Device for finding the axes or centers of circular bodies, openings, or plane figures. No. 1,081,682; Dec. 16; Gaz. vol. 197; p. 668.
- Lundstrom, Charles G., assignor, by mesne assignments, to H. M. Mitchell, Des Moines, Iowa. Oil and water burner. No. 1,082,755; Dec. 30; Gaz. vol. 197; p. 1100.
- Lundy, Joseph G., Evergreen, Ala. Bag-holder. No. 1,059,678; Apr. 22; Gaz. vol. 189; p. 902.
- Lundy, Joseph G., assignor of one-half to R. F. Croom, Evergreen, Ala. Store-fixture. No. 1,074,802; Oct. 7; Gaz. vol. 195; p. 74.
- Lundy, Nathan W., Waukegan, Ill. Burner for fire-pots. No. 1,056,744; Mar. 18; Gaz. vol. 188; p. 778.
- Lung, Forrest E., assignor of one-third to M. C. Lung, Kendallville, Ind. Rapid-firing machine-gun. No. 1,070,826; Aug. 19; Gaz. vol. 193; p. 666.
- Lung, Henry H., Philadelphia, Pa. Plumb and level. No. 1,082,163; Dec. 23; Gaz. vol. 197; p. 860.
- Lung, Merritt C. (See Lung, Forrest E., assignor.)
- Lüngen, Adam, assignor to Edwards & Co., Inc., New York, N. Y. Electric bell. No. 1,052,354; Feb. 4; Gaz. vol. 187; p. 173.
- Lüngen, Adam, assignor to Edwards & Co., New York, N. Y. Electric bell or alarm. No. 1,066,929; July 8; Gaz. vol. 192; p. 386.
- Lunger, Waldo G., assignor to American Shop Equipment Co., Chicago, Ill. Cooling-tank. No. 1,066,128; July 1; Gaz. vol. 192; p. 79.
- Lungren, Charles M., Bayonne, N. J., assignor to Safety Car Heating & Lighting Company. Mantle. No. 1,052,008; Feb. 4; Gaz. vol. 187; p. 56.
- Lunken, Edmund H., Chicago, Ill. Shade-screen. No. 1,056,108; Mar. 18; Gaz. vol. 188; p. 560.
- Lunt, George, Formby, England. Apparatus for the manufacture of bread. No. 1,071,164; Aug. 26; Gaz. vol. 193; p. 811.
- Luppe, Otto, Munich, Germany. Producing printing-plates. No. 1,077,483; Nov. 4; Gaz. vol. 196; p. 86.
- Lupton, Cyril W., Bradford, England. Smoke-consuming device for furnaces. No. 1,070,148; Aug. 12; Gaz. vol. 193; p. 394.
- Lupton, Henry W., assignor of one-half to A. I. McAlister, Wilcox, Ariz. Pump-operating mechanism. No. 1,060,774; May 6; Gaz. vol. 190; p. 72.
- Lupton, William, Lodi, Cal. Resilient wheel. No. 1,064,353; June 10; Gaz. vol. 191; p. 439.
- Lurie, William A., Chicago, Ill. Automatic circuit-controlling mechanism for electrical self-starters for automobiles. No. 1,081,683; Dec. 16; Gaz. vol. 197; p. 668.
- Lurtz, John, West Pullman, Ill. Clothes-pounder. No. 1,075,584; Oct. 14; Gaz. vol. 195; p. 370.
- Luschka, August R., assignor to American Slicing Machine Company, Chicago, Ill. Sharpening device for rotary cutters. No. 1,060,916; May 6; Gaz. vol. 190; p. 122.
- Luschka, August R., assignor to American Slicing Machine Company, Chicago, Ill. Slicing-machine. No. 1,069,274; Aug. 5; Gaz. vol. 193; p. 66.
- Luster, Emile J., New York, N. Y. Wind device for automatic musical instruments. No. 1,077,843; Nov. 4; Gaz. vol. 196; p. 206.
- Luten, Daniel B., Indianapolis, Ind. Arch. No. 1,060,917; May 6; Gaz. vol. 190; p. 123.
- Luten, Daniel B., Indianapolis, Ind. Arch. No. 1,060,918; May 6; Gaz. vol. 190; p. 123.
- Luten, Daniel B., Indianapolis, Ind. Clamp for concrete-reinforcing members. No. 1,060,919; May 6; Gaz. vol. 190; p. 123.
- Luten, Daniel B., Indianapolis, Ind. Concrete bridge. No. 1,060,920; May 6; Gaz. vol. 190; p. 123.
- Luten, Daniel B., Indianapolis, Ind. Concrete bridge. No. 1,060,921; May 6; Gaz. vol. 190; p. 124.
- Luten, Daniel B., Indianapolis, Ind. Arch. No. 1,060,922; May 6; Gaz. vol. 190; p. 124.
- Luten, Daniel B., Indianapolis, Ind. Reinforced structure. No. 1,070,707; Aug. 19; Gaz. vol. 193; p. 627.
- Luten, Daniel B., Indianapolis, Ind. Reinforcing-bar. No. 1,070,903; Aug. 19; Gaz. vol. 193; p. 690.
- Luten, Daniel B., Indianapolis, Ind. Beam. No. 1,078,365; Nov. 11; Gaz. vol. 196; p. 420.
- Luten, Daniel B., Indianapolis, Ind. Concrete reinforcement. No. 1,078,510; Nov. 11; Gaz. vol. 196; p. 468.
- Lutes, Christopher J. (See Savage, Frederick J., assignor.)
- Luther, August, Nied-on-the-Main, and C. O. Müller, assignors to Farbwerke vorm. Meister Lucius & Brüning, Höchst-on-the-Main, Germany. Red azo dyestuffs and making same. No. 1,065,950; July 1; Gaz. vol. 192; p. 16.
- Luther, Clarence H., Fayetteville, Ark. Spelling mail-indicator. No. 1,068,253; July 22; Gaz. vol. 192; p. 906.
- Luthi, Hans, Kenosha, Wis. Sanitary closet-seat cover. No. 1,071,933; Sept. 2; Gaz. vol. 194; p. 91.
- Luthy, Joseph O., San Antonio, Tex. System of electrical distribution. No. 1,080,355; Dec. 2; Gaz. vol. 197; p. 155.
- Lutkens, Charles, Elbe, Wash. Gun-strap fastening. No. 1,069,623; Aug. 5; Gaz. vol. 193; p. 185.
- Lutnesky, T. C. (See Clayton, Woodford E., assignor.)
- Lutter, William. (See Kaufmann, Isadore, assignor.)
- Lutton, William J., Paterson, N. J. Loom. No. 1,054,699; Mar. 4; Gaz. vol. 188; p. 15.
- Lüttringhaus, Arthur, Mannheim, and W. Braren, assignors to Badische Anilin & Soda Fabrik, Ludwigshafen-on-the-Rhine, Germany. Anthraquinone acridones. No. 1,067,046; July 8; Gaz. vol. 192; p. 424.
- Lüttringhaus, Arthur, H. von Diesbach, and E. Schwarz, Mannheim, assignors to Badische Anilin & Soda Fabrik, Ludwigshafen-on-the-Rhine, Germany. Blue coloring-matters containing sulfur. No. 1,083,110; Dec. 30; Gaz. vol. 197; p. 1219.

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- Luttrupp, Sven J. C., Attleboro, assignor to Carter, Rice & Company, Boston, Mass. Machine for making folded paper cups. No. 1,056,564; Mar. 18; Gaz. vol. 188; p. 717.
- Lutwyche, Edgar J., Chicago, Ill. Lamp. No. 1,070,383; Aug. 12; Gaz. vol. 193; p. 476.
- Lutwyche, Edgar J., assignor to C. H. Reynolds, Chicago, Ill. Lamp. (Reissue.) No. 13,630; Oct. 21; Gaz. vol. 195; p. 783.
- Lutz, Aloytious F., *et al.* (See Jarvis, Ruben P., assignor.)
- Lutz, George A., Plainfield, N. J., assignor to American Circular Loom Company, Portland, Me. Protecting conduits for electric conductors. No. 1,072,478; Sept. 9; Gaz. vol. 194; p. 305.
- Lutz, Harry J. (See Friedel and Lutz.)
- Lutz, Harry W., and W. Hutchison, Antioch, Cal. Ditching-machine. No. 1,065,457; June 24; Gaz. vol. 191; p. 882.
- Lutz, John, assignor to S. W. Evans & Son, Philadelphia, Pa. Butt of an umbrella and parasol rib and stretcher. No. 1,053,617; Feb. 18; Gaz. vol. 187; p. 683.
- Lutz, John, and C. J. Leyes, Jersey City, N. J. Machine for exhibiting rugs. No. 1,065,378; June 24; Gaz. vol. 191; p. 855.
- Lutz, John, and C. J. Leyes, assignors to The Rapid Display Machine Company, Jersey City, N. J. Apparatus or machine for exhibiting rugs. No. 1,069,966; Aug. 12; Gaz. vol. 193; p. 330.
- Lutz, Robert E., Brooklyn, N. Y. Filing device. No. 1,056,037; Mar. 18; Gaz. vol. 188; p. 535.
- Lutz-Webster Engineering Co. (See Lutz, William H., assignor.)
- Lutz, William D., Allendale, assignor to Otis Elevator Company, Jersey City, N. J. Electromagnetic brake. No. 1,066,742; July 8; Gaz. vol. 192; p. 324.
- Lutz, William D., Allendale borough, assignor to Otis Elevator Company, Jersey City, N. J. Accelerating device for alternating-current motors. No. 1,072,132; Sept. 2; Gaz. vol. 194; p. 159.
- Lutz, William H., Philadelphia, Pa. Compression-wrench. No. 1,054,700; Mar. 4; Gaz. vol. 188; p. 15.
- Lutz, William H., assignor to Lutz-Webster Engineering Co., Inc., Philadelphia, Pa. Compression-wrench. No. 1,081,684; Dec. 16; Gaz. vol. 197; p. 669.
- Lutze, William, Holyoke, Colo. Flexible harrow. No. 1,069,557; Aug. 5; Gaz. vol. 193; p. 161.
- Lux, Fritz, Ludwigshafen-on-the-Rhine, Germany. Electric dynamometer. No. 1,067,995; July 22; Gaz. vol. 192; p. 816.
- Lux, Julius K., Syracuse, assignor to Pass & Seymour, Inc., Solvay, N. Y. Socket for incandescent electric lamps. No. 1,055,062; Mar. 4; Gaz. vol. 188; p. 139.
- Lux, Julius K., Jersey City, N. J., assignor to Underwood Typewriter Company, New York, N. Y. Type-writing machine. No. 1,056,703; Mar. 18; Gaz. vol. 188; p. 762.
- Luxemoor Company. (See Moore, Frederick W., assignor.)
- Luxury Sales Company. (See Thompson, Charles E., assignor.)
- Luyties, Otto, New York, N. Y. Lock-nut. No. 1,052,601; Feb. 11; Gaz. vol. 187; p. 291.
- Luyties, Otto, New York, N. Y. Nut-lock. No. 1,052,602; Feb. 11; Gaz. vol. 187; p. 291.
- Luzzi, Arthur E., New York, N. Y. Vessel-raiser. No. 1,058,188; Apr. 8; Gaz. vol. 189; p. 317.
- Luzzi, Arthur E., New York, N. Y. Vessel-releaser. No. 1,058,246; Apr. 8; Gaz. vol. 189; p. 336.
- Lybeck, Nels A., Bristol, R. I. Oyster-dredging machine. No. 1,070,271; Aug. 12; Gaz. vol. 193; p. 436.
- Lybeck, Nels A., Bristol, R. I. Submarine cultivator and harvester. No. 1,079,182; Nov. 18; Gaz. vol. 195; p. 734.
- Lyda, Arthur W., Canton, Ohio. Roundabout. No. 1,053,100; Feb. 11; Gaz. vol. 187; p. 462.
- Lydick, Ernest B., Pittsburgh, Pa. Fruit-knife. No. 1,072,243; Sept. 2; Gaz. vol. 194; p. 195.
- Lydon, Michael J. (See Harrington, Joseph A., assignor.)
- Lyerla, Robert A., Sand Ridge, Ill. Wire-stretcher. No. 1,067,123; July 8; Gaz. vol. 192; p. 451.
- Lyle, Fred W., Lynn, Mass., assignor to General Electric Company. Electric terminal. No. 1,060,989; May 6; Gaz. vol. 190; p. 149.
- Lyle, Fred W., Lynn, Mass., assignor to General Electric Company. Electric signaling. No. 1,061,960; May 13; Gaz. vol. 190; p. 510.
- Lyle, Fred W., Saugus, Mass., assignor to General Electric Company. Vapor electric device. No. 1,079,250; Nov. 18; Gaz. vol. 196; p. 755.
- Lyle, Joel I., Plainfield, N. J. Thermal interchanging process. No. 1,072,133; Sept. 2; Gaz. vol. 194; p. 159.
- Lyle, Joel I., Plainfield, N. J. Thermal interchanging apparatus. No. 1,082,539; Dec. 30; Gaz. vol. 197; p. 1022.
- Lyman, Charles, Clarinda, Iowa. Brooding-coop. No. 1,031,847; Dec. 16; Gaz. vol. 197; p. 727.
- Lyman, George F. (See Smith, John L., assignor.)
- Lyman, George F., Knoxville, Tenn. Tipple. No. 1,070,149; Aug. 12; Gaz. vol. 193; p. 395.
- Lyman, Arthur H., Westminster, England. Gas-washer. No. 1,081,241; Dec. 9; Gaz. vol. 197; p. 484.
- Lynch, Charles C., Wanette, Okla. Title-card holder. No. 1,060,990; May 6; Gaz. vol. 190; p. 150.
- Lynch, Charles C., and A. Petrie, Wanette, Okla. Bag-cabinet. No. 1,057,158; Mar. 25; Gaz. vol. 188; p. 950.
- Lynch, Elizabeth, Minneapolis, Minn. Screen. No. 1,080,466; Dec. 2; Gaz. vol. 197; p. 192.
- Lynch, Fred J., La Jolla, Cal. Sash and door clamp. No. 1,067,667; July 15; Gaz. vol. 192; p. 673.
- Lynch, Jacob B., Logansport, Ind. Foldable screen-supporting frame. No. 1,078,587; Nov. 11; Gaz. vol. 196; p. 493.
- Lynch, James P., Canton, assignor to Brown Durrell Co., Boston, Mass. Adjustable garment. No. 1,068,351; July 22; Gaz. vol. 192; p. 940.
- Lynch, John J., McKees Rocks, Pa. Rail-joint. No. 1,054,429; Feb. 25; Gaz. vol. 187; p. 997.
- Lynch, John T., Chicago, Ill., assignor to The B. F. Cummins Company. Separating mechanism for mail-matter. No. 1,058,314; Apr. 8; Gaz. vol. 189; p. 360.
- Lynch, John T., Chicago, Ill., assignor to The B. F. Cummins Company. Combined pick-up table and post-marking-machine. No. 1,073,808; Sept. 23; Gaz. vol. 194; p. 829.
- Lynch, John T., and G. E. Bolton, Chicago, Ill., assignors to The B. F. Cummins Company. Combined pick-up table and canceling-machine. No. 1,054,223; Feb. 25; Gaz. vol. 187; p. 927.
- Lynch, Joseph, Parsons, Kans. Rail-breaking device. No. 1,057,862; Apr. 1; Gaz. vol. 189; p. 161.
- Lynch, Lucy, Chicago, Ill. Skirt-supporter. No. 1,065,150; June 17; Gaz. vol. 191; p. 740.
- Lynch, Patrick H., New York, N. Y. Golf-practice machine. No. 1,074,880; Oct. 7; Gaz. vol. 195; p. 99.
- Lynch, Patrick J., New York, N. Y. Device for cleaning printing-rollers. No. 1,072,244; Sept. 2; Gaz. vol. 194; p. 195.
- Lynch, Thomas A., New York, N. Y. Candle. No. 1,067,184; July 8; Gaz. vol. 192; p. 472.
- Lynch, William F. (See Guptill, Fredrick C., assignor.)
- Lynchburg Foundry Co. (See Wiley, Edgar C., assignor.)
- Lynchburg Foundry Company. (See McWane, Charles W., assignor.)
- Lyncke, Hans, deceased, Berlin, Germany; S. Lyncke, heiress. Dry viscose in a granular, soluble, and stable condition and preparing the same. No. 1,074,881; Oct. 7; Gaz. vol. 195; p. 99.
- Lyncke, Sophie, heiress. (See Lyncke, Hans.)
- Lynde, Francis G., Knebworth, and E. R. Calthrop, assignors to The Vibrocel Company, Limited, London, England. Construction of sea-walls, piers, pontoons, &c. No. 1,054,224; Feb. 25; Gaz. vol. 187; p. 928.
- Lynde, Frederick C., Withington, Manchester, assignor of one-half to C. V. Haworth, Poulton-le-Fylde, England. Carbureting apparatus. No. 1,062,981; May 27; Gaz. vol. 190; p. 934.
- Lynds, Fred H., Woonsocket, R. I., assignor to Electric Compositor Company, New York, N. Y. Linotype-mold. No. 1,078,930; Nov. 18; Gaz. vol. 196; p. 645.
- Lyng, Henry, Aurdal, Minn. Grain-treating machine. No. 1,080,069; Dec. 2; Gaz. vol. 197; p. 53.
- Lyng, John J., Yonkers, assignor to Western Electric Company, New York, N. Y. Welded receiver. No. 1,063,270; June 3; Gaz. vol. 191; p. 34.
- Lynn, George W., Detroit, Mich. Flying-machine. No. 1,070,972; Aug. 19; Gaz. vol. 193; p. 712.
- Lynn, John, Alice, Tex. Dust-cap for tire-valves. No. 1,079,781; Nov. 25; Gaz. vol. 196; p. 972.
- Lynnock, Carl, assignor of one-half to L. W. C. Cornelius, Denver, Colo. Engine-starter for automobiles. No. 1,059,679; Apr. 22; Gaz. vol. 189; p. 902.
- Lyon, Charles D., St. Louis, Mo. Sanitary toothpick-dispenser. No. 1,072,399; Sept. 2; Gaz. vol. 194; p. 248.
- Lyon, Conklin & Co. (See Nickol, George E., assignor.)
- Lyon, Conklin & Company. (See Marvell, Roy W., assignor.)
- Lyon, Dorsey A., and E. R. Cox, Jr., Heroult, Cal. Electrode-holder for electric furnaces. No. 1,068,148; July 22; Gaz. vol. 192; p. 869.
- Lyon, Dorsey A., Palo Alto, and E. R. Cox, Jr., Heroult, Cal. Electrometallurgical process of reducing metallic oxides. No. 1,075,295; Oct. 7; Gaz. vol. 195; p. 246.
- Lyon, Fred M., Pontiac, Ill. Grinding-mill. No. 1,063,810; June 3; Gaz. vol. 191; p. 221.
- Lyon, Harry, assignor to Brockton Rand Company, Brockton, Mass. Welting for sewed boots and shoes. No. 1,054,225; Feb. 25; Gaz. vol. 187; p. 928.
- Lyon, Harry, assignor to Brockton Rand Company, Brockton, Mass. Welt grooving and beveling machine. No. 1,074,726; Oct. 7; Gaz. vol. 195; p. 48.
- Lyon, Harry, Brockton, Mass., assignor, by mesne assignments, to United Shoe Machinery Company, Paterson, N. J. Skiving-machine. No. 1,080,227; Dec. 2; Gaz. vol. 197; p. 108.

Alphabetical list of patentees—Continued.

- Lyons, Howard, assignor to Welsbach Light Company, Gloucester City, N. J. Ignition apparatus. No. 1,068,681; July 29; Gaz. vol. 192; p. 1092.
- Lyon Manufacturing Company. (See Lonzo, William, assignor.)
- Lyon Metallic Manufacturing Company. (See Bales, James E., assignor.)
- Lyon Metallic Manufacturing Company. (See Beecher, Herbert P., assignor.)
- Lyon Metallic Manufacturing Company. (See Waters, Beverly L., assignor.)
- Lyon, Sarah E., Menominee, Mich. Spoon-holder. No. 1,062,107; May 20; Gaz. vol. 190; p. 603.
- Lyon, Whitney, New Canaan, Conn. Tooth-powder cup. No. 1,053,190; Feb. 18; Gaz. vol. 187; p. 535.
- Lyon, William S., Auburn, N. Y. Box. No. 1,062,834; May 27; Gaz. vol. 190; p. 885.
- Lyons-Atlas Company. (See McCarty, Norman, assignor.)
- Lyons Atlas Company. (See Schwitzer, Louis, assignor.)
- Lyons, David E., Los Angeles, Cal., assignor to D. S. Wolcott, trustee, Sewickley, Pa. Roller-bearing. No. 1,051,140; Jan. 21; Gaz. vol. 186; p. 691.
- Lyons, David E., Los Angeles, Cal., assignor to D. S. Wolcott, trustee, Sewickley, Pa. Roller-bearing. No. 1,051,141; Jan. 21; Gaz. vol. 186; p. 692.
- Lyons, David E., Los Angeles, Cal., assignor to D. S. Wolcott, trustee, Sewickley, Pa. Roller-bearing. No. 1,051,142; Jan. 21; Gaz. vol. 186; p. 692.
- Lyons, Henry W. (See Hunt, Raymond L., assignor.)
- Lyons, Irving H., and R. J. Gruenberg, assignors to S. F. Walter, San Francisco, Cal. Suit-box. No. 1,079,137; Nov. 18; Gaz. vol. 196; p. 718.
- Lyons, James K., Pittsburgh, and J. B. Hardie, Crafton, Pa. Gas-producer. No. 1,075,716; Oct. 14; Gaz. vol. 195; p. 415.
- Lyons, James W., Moline, Ill. Aeroplanes. No. 1,056,192; Mar. 18; Gaz. vol. 188; p. 588.
- Lyons, John F., Hyde Park, assignor to B. F. Sturtevant Company, Boston, Mass. Machine for milling turbine-buckets. No. 1,081,242; Dec. 9; Gaz. vol. 197; p. 484.
- Lyons, John S., Wilkes-Barre, Pa., assignor to International Locking Device Company. Locking device. No. 1,076,835; Oct. 28; Gaz. vol. 195; p. 885.
- Lyons, Joseph, Riverside, Cal. Smoke and dust consumer. No. 1,066,930; July 8; Gaz. vol. 192; p. 387.
- Lyons, Michael H., Brockton, Mass. Last-resaping mechanism. No. 1,069,797; Aug. 12; Gaz. vol. 193; p. 274.
- Lyons, Samuel W., Jr. (See Borge, Reginald P., assignor.)
- Lyons, Sidney, Oklahoma, Okla. Spring-brake and automatic starter. No. 1,059,377; Apr. 22; Gaz. vol. 189; p. 800.
- Lyrachord Company, The. (See Breed, George, assignor.)
- Lysons, Fred H., trustee. (See Nelson and Gilham, assignors.)
- Lyster, George A. (See Kent, Giles, and Lyster.)
- Lytle, Frederick, assignor of one-half to G. S. Hollister, North Bend, Ore. Steam-turbine. No. 1,065,539; June 24; Gaz. vol. 191; p. 910.
- Lyttle, Bird F. (See Grimes, Josiah, assignor.)
- Lyttle, Frederick W., Hadley, Mass. Portable tent. No. 1,068,352; July 22; Gaz. vol. 192; p. 940.
- Lyttle, Samuel A. (See Keppel, John J., assignor.)
- Lytton, Walter, and J. Tedford, Chicago, Ill.; said Tedford assignor to said Lytton. Delivery-truck. No. 1,082,164; Dec. 23; Gaz. vol. 197; p. 860.
- Lytton, Walter. (See Cotton, Walter H., assignor.)
- Lyzen, Daniel G. (See Butler, Lawrence T., assignor.)
- M. Garland Company, The. (See Devlin, Henry, assignor.)
- M. Rumely Company. (See Higgins, William H. C., Jr., assignor.)
- M. Rumely Company. (See Land, Frank, assignor.)
- M. Rumely Company. (See Rumely, Edward A., assignor.)
- M. Rumely Company. (See Wilson, George E., assignor.)
- M. B. Schenck Co., The. (See Hill, Myron F., assignor.)
- M. D. Knowlton Company. (See Church, Dennis, assignor.)
- M. D. Knowlton Company. (See De Smith, Henry, assignor.)
- M. D. Knowlton Company. (See De Smith and Seymour, assignors.)
- M. D. Knowlton Company. (See Hoch, Otto M., assignor.)
- M. D. Knowlton Company. (See Seymour, Charles R., assignor.)
- M. F. Field Manufacturing Co. (See Field, Millard F., assignor.)
- M. H. Jester Investment Company, The. (See Jester, Marvin H., assignor.)
- M. H. Treadwell Company. (See Astrom, Carl P., assignor.)
- M. T. Davidson Company. (See Stevens, Leon K., assignor.)
- Maag, Rudolf, Sindlingen, near Höchst-on-the-Main, and P. Jörg, assignors to Farbwerke vorm. Meister Lucius & Brüning, Höchst-on-the-Main, Germany. Benzquinone derivatives and making same. No. 1,065,063; June 17; Gaz. vol. 191; p. 712.
- Maanum, Dedrick A., Benson, Minn. Foot-rest for vehicles. No. 1,059,887; Apr. 22; Gaz. vol. 189; p. 968.
- Maas, Frank, Springfield, Mo. Railway-rail clamp. No. 1,069,447; Aug. 5; Gaz. vol. 193; p. 126.
- Maas, George H., Milwaukee, Wis. Fruit-jar holder. No. 1,069,710; Aug. 12; Gaz. vol. 193; p. 243.
- Maas, George H., Milwaukee, Wis. Cigar and tobacco moistener. No. 1,071,326; Aug. 26; Gaz. vol. 193; p. 866.
- Maas, Gottfried H. J., Berlin-Steglitz, Germany. Combination sole-plate and railway-tie. No. 1,078,297; Nov. 11; Gaz. vol. 196; p. 395.
- Maas, Henry, Le Sueur, Minn. Threshing-machine. No. 1,058,024; Apr. 1; Gaz. vol. 189; p. 215.
- Maas, John N., Los Angeles, Cal. Automatic connecting-plug. No. 1,053,618; Feb. 18; Gaz. vol. 187; p. 683.
- Maas, Julius. (See De Milt, David G., assignor.)
- Mabey, Charles W., et al. (See Crockett, Daniel W., assignor.)
- Mabie, Henry C., Maywood, N. J. Clip for fountain-pens, pencils, and the like. No. 1,061,193; May 6; Gaz. vol. 190; p. 216.
- Mabie, Ralph R., New Rochelle, N. Y. Machine for waterproofing roofs, floors, &c. No. 1,058,315; Apr. 8; Gaz. vol. 189; p. 361.
- Mabie, Ralph R., New Rochelle, N. Y. Wall-block with flashing. No. 1,064,753; June 17; Gaz. vol. 191; p. 613.
- MacBain, Donald R., Cleveland, Ohio. Locomotive exhaust apparatus. No. 1,051,963; Feb. 4; Gaz. vol. 187; p. 41.
- MacBain, Donald R., Cleveland, Ohio. Freight-car ladder. No. 1,063,048; May 27; Gaz. vol. 190; p. 956.
- MacCamy, Harry E., Spokane, Wash. Air-cooler for air-compressors. No. 1,055,196; Mar. 4; Gaz. vol. 188; p. 182.
- MacCausland, Harold M., Worcester, Mass. Automobile-signal. No. 1,071,525; Aug. 26; Gaz. vol. 193; p. 931.
- MacColl, Donald, Montclair, N. J., and D. A. Cameron, Genesee, assignors to Delac Plaster Company, Mumford, N. Y. Nail. No. 1,082,540; Dec. 30; Gaz. vol. 197; p. 1023.
- MacConaghy, Elizabeth M., et al., heiresses. (See MacConaghy, James.)
- MacConaghy, James, deceased, Boulogne-sur-Mer, France; E. M. and J. MacConaghy, heiresses. Explosion-motor. No. 1,083,111; Dec. 30; Gaz. vol. 197; p. 1220.
- MacConaghy, Jane, et al., heiresses. (See MacConaghy, James.)
- MacConnell, John, assignor to N. H. Steward, Philadelphia, Pa. Drill. No. 1,062,342; May 20; Gaz. vol. 190; p. 682.
- MacDermot, L. M. (See Ferguson, Thomas, assignor.)
- MacDonald, Archibald A., New Glasgow, Nova Scotia, Canada. Railway-spike holder. No. 1,052,603; Feb. 11; Gaz. vol. 187; p. 291.
- MacDonald, Archibald A., New Glasgow, Nova Scotia, Canada. Nut-lock. No. 1,052,679; Feb. 11; Gaz. vol. 187; p. 318.
- MacDonald, Arthur E., London, England. Vehicle-lamp. No. 1,083,112; Dec. 30; Gaz. vol. 197; p. 1220.
- MacDonald, Bernard, Guanajuato, Mexico. Apparatus for treating ore-pulps, slimes, and the like. No. 1,071,447; Aug. 26; Gaz. vol. 193; p. 906.
- MacDonald Car Buffer Limited. (See McDonald, William T. B., assignor.)
- MacDonald, George M. (See Calkins and MacDonald.)
- MacDonald, James G., and W. F. C. MacKay, Boston, Mass. Water-saving system. No. 1,073,862; Sept. 23; Gaz. vol. 194; p. 846.
- MacDonald, Thomas J., New York, assignor of one-half to J. J. Lockwood, Yonkers, N. Y. Hat-flanging machine. No. 1,049,885; Jan. 7; Gaz. vol. 186; p. 192.
- MacDonald, William, Winnipeg, Manitoba, Canada. Clothes-pounder. No. 1,078,739; Nov. 18; Gaz. vol. 196; p. 579.
- MacDonell, Riemann A., Fernandina, Fla. Mud-hook. No. 1,065,064; June 17; Gaz. vol. 191; p. 712.
- MacFarland, Helon B., Topeka, Kans. Locomotive. No. 1,059,378; Apr. 22; Gaz. vol. 189; p. 801.
- MacFarland, Merle, Maplewood, N. J., assignor to Columbia Nut and Bolt Company, Incorporated, Bridgeport, Conn. Starting mechanism. No. 1,080,642; Dec. 9; Gaz. vol. 197; p. 282.
- MacGahan, Paul, Pittsburgh, Pa., assignor to Westinghouse Electric and Manufacturing Company. Reservoir-pen. No. 1,064,754; June 17; Gaz. vol. 191; p. 613.
- MacGregor, Donald, assignor of one-half to J. Boyd, Portland, Ore. Boring device. No. 1,080,356; Dec. 2; Gaz. vol. 197; p. 155.
- MacGregor, James, Glasgow, Scotland. Concentration of syrupy liquids. No. 1,068,789; July 29; Gaz. vol. 192; p. 1180.
- MacGregor, Peter, Ottawa, Ontario, Canada. Detachable tab. No. 1,067,531; July 15; Gaz. vol. 192; p. 627.
- MacGregor, Peter G., assignor to P. L. Wilbur, New York, N. Y. Indicating-gage. No. 1,070,973; Aug. 19; Gaz. vol. 193; p. 712.
- MacIntosh, Neil W., assignor to E. J. Salmora, New York, N. Y. Rotary blower. No. 1,056,288; Mar. 18; Gaz. vol. 188; p. 620.

Alphabetical list of patentees—Continued.

- MacIsaac, Frederic J., New York, N. Y. Cofferdam. No. 1,075,361; Oct. 14; Gaz. vol. 195; p. 293.
- MacKay Copper Process Company. (See MacKay, Henry S., assignor.)
- MacKay, Henry S., assignor to MacKay Copper Process Company, Riverside, Cal. Apparatus for extracting metals from ores. No. 1,074,274; Sept. 30; Gaz. vol. 194; p. 1014.
- MacKay, Joseph E., Los Angeles, Cal. Structure and means for forming the same. No. 1,053,415; Feb. 18; Gaz. vol. 187; p. 614.
- MacKay, Simon, assignor to Union Twist Drill Company, Athol, Mass. Grinding-machine. No. 1,052,605; Feb. 11; Gaz. vol. 187; p. 292.
- MacKay, Simon, assignor to Union Twist Drill Company, Athol, Mass. Adjusting rotary cutters. No. 1,079,420; Nov. 25; Gaz. vol. 196; p. 844.
- MacKay, William F. C. (See MacDonald and MacKay.)
- MacKaye, Harold S. (See Jenyns, Sarah A., assignor.)
- MacKaye, James, Cambridge, Mass. Peat-delivering apparatus. No. 1,053,191; Feb. 18; Gaz. vol. 187; p. 536.
- MacKaye, James, Cambridge, assignor to Stone & Webster, Boston, Mass. Electrically-heated reaction-chamber. No. 1,051,743; Jan. 28; Gaz. vol. 186; p. 927.
- MacKenzie, Fred L., Beverly, Mass., assignor to United Shoe Machinery Company, Paterson, N. J. Machine for inserting fastenings. No. 1,070,272; Aug. 12; Gaz. vol. 193; p. 436.
- MacKenzie, Fred L., Beverly, Mass., assignor to United Shoe Machinery Company, Paterson, N. J. Starting and stopping mechanism. No. 1,072,630; Sept. 9; Gaz. vol. 194; p. 356.
- MacKenzie, Fred L., Beverly, Mass., assignor to United Shoe Machinery Company, Paterson, N. J. Tack-driving machine. No. 1,081,456; Dec. 16; Gaz. vol. 197; p. 596.
- MacKinnon, Albert E. (See Ringler, William A., assignor.)
- MacKinnon, William C., Newark, N. J. Piston-ring remover. No. 1,071,934; Sept. 2; Gaz. vol. 194; p. 92.
- MacLaren, Jay. (See MacLaren, Russell J., assignor.)
- MacLaren, Russell J., assignor to one-half to J. MacLaren, Grand Rapids, Mich. Engine-starter. No. 1,058,247; Apr. 8; Gaz. vol. 189; p. 336.
- MacLaughlin, George J., and J. L. Willard, assignors to Pullman Manufacturing Company, Rochester, N. Y. Spring sash-balance. No. 1,082,034; Dec. 23; Gaz. vol. 197; p. 818.
- MacLaughlin, John B., Ottawa, Ontario, Canada. Boot or shoe. No. 1,074,127; Sept. 30; Gaz. vol. 194; p. 966.
- MacLean, Hugh, Portland, Oreg. Means for fastening carpet to concrete floors. No. 1,070,273; Aug. 12; Gaz. vol. 193; p. 436.
- MacLean, Kirby D., Palo Alto, Cal. Concrete socket-pile. No. 1,074,275; Sept. 30; Gaz. vol. 194; p. 1015.
- MacLeod, Albert A., Swampscott, Mass., assignor to United Shoe Machinery Company, Paterson, N. J. Toe-spreader. No. 1,063,271; June 3; Gaz. vol. 191; p. 34.
- MacMahon, John A., Philadelphia, Pa. Car-fender. No. 1,078,868; Nov. 18; Gaz. vol. 196; p. 624.
- MacMahon, John A., and J. T. Warden, Philadelphia, Pa. Car-fender. No. 1,068,682; July 29; Gaz. vol. 192; p. 1092.
- MacMaster, Peter, London, England. Renewable-leaf book. No. 1,074,510; Sept. 30; Gaz. vol. 194; p. 1091.
- MacMillan, Gavin S., New York, N. Y. Pad. No. 1,077,537; Nov. 4; Gaz. vol. 196; p. 105.
- MacMillan, William G., New York, N. Y. Type-guard. No. 1,062,487; May 20; Gaz. vol. 190; p. 729.
- MacMinn, Benjamin F., Philadelphia, Pa. Station-indicator. No. 1,072,747; Sept. 9; Gaz. vol. 194; p. 397.
- MacNicol, Donald. (See Cockburn and MacNicol.)
- MacOrquodale, Lorne H., Revere, assignor to The Forbes Lithograph Manufacturing Company, Boston, Mass. Display device. No. 1,062,020; May 20; Gaz. vol. 190; p. 573.
- MacPherson Company, The. (See MacPherson, John G., assignor.)
- MacPherson, John G., Philadelphia, Pa., assignor to The MacPherson Company, Incorporated. Periodic circuit-closer. No. 1,062,722; May 27; Gaz. vol. 190; p. 848.
- Macadam, John, assignor to The Eddystone Manufacturing Company, Eddystone, Pa. Jig-roll. No. 1,053,517; Feb. 18; Gaz. vol. 187; p. 649.
- Macak, William J. (See Oster and Macak.)
- Macaulay, Charles P. R., Chicago, Ill. Logic machine. No. 1,079,504; Nov. 25; Gaz. vol. 196; p. 872.
- Macbeth-Evans Glass Company, The. (See Allsopp, Joseph, assignor.)
- Macbeth, George A., Pittsburgh, Pa. Lens structure. No. 1,054,854; Mar. 4; Gaz. vol. 188; p. 70.
- Maccallum, Norman E., assignor to one-fourth to F. P. Norris, Phoenixville, and one-fourth to The Phoenix Iron Company, Philadelphia, Pa. Process and apparatus for the manufacture of steel. No. 1,057,564; Apr. 1; Gaz. vol. 189; p. 57.
- Macdonald, Donald J., Portland, Me. Combined bow rest and lock. No. 1,073,503; Sept. 16; Gaz. vol. 194; p. 701.
- Macdonald, Frederick W., Chicago, Ill. Reel-packet. No. 1,082,964; Dec. 30; Gaz. vol. 197; p. 1173.
- Macdonald, Harold C. (See Rogers and Macdonald.)
- Macdonald, Harry P., Montclair, assignor to The Sneath & Co. Iron Works, Jersey City, N. J. Roll-ramming apparatus. No. 1,052,604; Feb. 11; Gaz. vol. 187; p. 292.
- Macdonald, Harry P., Montclair, assignor to The Sneath & Co. Iron Works, Jersey City, N. J. Roll-ramming apparatus. No. 1,056,565; Mar. 18; Gaz. vol. 188; p. 717.
- Macdonald, Harry P., Montclair, assignor to The Sneath & Co. Iron Works, Jersey City, N. J. Casting tread-surfaces. No. 1,057,069; Mar. 25; Gaz. vol. 188; p. 919.
- Macdonald, Harry P., Montclair, assignor to The Sneath & Co. Iron Works, Jersey City, N. J. Mold-ramming apparatus. No. 1,059,623; Apr. 22; Gaz. vol. 189; p. 884.
- Macdonald, Harry P., Montclair, assignor to The Sneath & Company Iron Works, Jersey City, N. J. Roll-ramming mechanism. No. 1,060,848; May 6; Gaz. vol. 190; p. 98.
- Macdonald, Harry P., Montclair, assignor to The Sneath & Co. Iron Works, Jersey City, N. J. Pattern-drawing apparatus. No. 1,065,541; June 24; Gaz. vol. 191; p. 911.
- Macdonald, Harry P., Montclair, assignor to The Sneath & Co. Iron Works, Jersey City, N. J. Reversing mechanism for roll-ramming apparatus. No. 1,074,882; Oct. 7; Gaz. vol. 195; p. 100.
- Macdonald, Harry P., Montclair, assignor to The Sneath & Co. Iron Works, Jersey City, N. J. Roll ramming apparatus. No. 1,076,683; Oct. 28; Gaz. vol. 195; p. 832.
- Macdonald, Harry P., assignor to The Sneath and Company Iron Works, Jersey City, N. J. Roll-ramming apparatus. No. 1,058,078; Apr. 8; Gaz. vol. 189; p. 278.
- Macdonald, Harry P., Montclair, and W. A. Roedell, assignors to The Sneath and Company Iron Works, Jersey City, N. J. Forming sand molds. No. 1,065,540; June 24; Gaz. vol. 191; p. 910.
- Macdonald, James, New York, N. Y. Paper-file. No. 1,069,711; Aug. 12; Gaz. vol. 193; p. 243.
- Macdonald, James, New York, N. Y. Holder. No. 1,081,848; Dec. 16; Gaz. vol. 197; p. 727.
- Macdonald, Thomas H., assignor to American Graphophone Company, Bridgeport, Conn. Graphophone. No. 1,054,359; Feb. 25; Gaz. vol. 187; p. 973.
- Macdonald, Thomas H., assignor to American Graphophone Company, Bridgeport, Conn. Graphophone attachment. No. 1,067,933; July 22; Gaz. vol. 192; p. 795.
- Macdonald, Thomas H., assignor to American Graphophone Company, Bridgeport, Conn. Cabineted graphophone. No. 1,071,067; Aug. 26; Gaz. vol. 193; p. 779.
- Macdonald, Thomas H., assignor to American Graphophone Company, Bridgeport, Conn. Automatic announcement-graphophone. No. 1,079,419; Nov. 25; Gaz. vol. 196; p. 843.
- Macdonald, William R., Portland Place, London, England. Electric motor and pump. No. 1,066,635; July 8; Gaz. vol. 192; p. 285.
- Maček, Johan. (See Brunet and Maček.)
- Macewicz, Felix, Hammond, Ind. Wrench. No. 1,068,254; July 22; Gaz. vol. 192; p. 907.
- Macfarlane, George F., Wilkes-Barre, Pa. Thread doubling and twisting machine. No. 1,056,193; Mar. 18; Gaz. vol. 188; p. 588.
- Macgenn, Thomas J., Portland, Oreg. Buoy. No. 1,066,636; July 8; Gaz. vol. 192; p. 285.
- Macgregor, Robert, Langbank, Scotland. Hydraulic motor. No. 1,068,790; July 29; Gaz. vol. 192; p. 1131.
- Mach, Ludwig, Vienna, Austria-Hungary. Aiming device for guns. No. 1,060,469; Apr. 29; Gaz. vol. 189; p. 1213.
- Machado, John J. (See Stevens, Harrison, and Machado.)
- Machalske, Florentine J., assignor to one-half to C. Offenhauser, Philadelphia, Pa. Producing elementary silicon and by-products. No. 1,062,982; May 27; Gaz. vol. 190; p. 934.
- Machava, Frank, Greensburg, Pa. Vise. No. 1,070,049; Aug. 12; Gaz. vol. 193; p. 359.
- Machlet, Adolph W., Elizabeth, N. J. Treatment of steel, iron, &c. No. 1,065,379; June 24; Gaz. vol. 191; p. 855.
- Machlet, Adolph W., Elizabeth, N. J. Annealing process, &c. No. 1,065,697; June 24; Gaz. vol. 191; p. 964.
- Machlet, Adolph W., Elizabeth, N. J. Case-hardening, &c. No. 1,072,134; Sept. 2; Gaz. vol. 194; p. 159.
- Machlet, George, Jr., Elizabeth, N. J. Fluid-mixture regulator. No. 1,078,790; Nov. 18; Gaz. vol. 196; p. 598.
- Machlet, George F., Jr., Elizabeth, N. J. Heating apparatus. No. 1,068,065; July 22; Gaz. vol. 192; p. 840.
- Macintosh, James H. B., Sydney, Nova Scotia, Canada. Dental wall-bracket. No. 1,050,672; Jan. 14; Gaz. vol. 186; p. 494.
- Mack, Alexander S., Chicago, Ill. Match-box. No. 1,068,791; July 29; Gaz. vol. 192; p. 1131.
- Mack, David F., Winnipeg, Manitoba, Canada. Ironing-board. No. 1,066,931; July 8; Gaz. vol. 192; p. 387.

Alphabetical list of patentees—Continued.

- Mack, John M., Allentown, Pa., assignor to International Motor Company, Wilmington, Del. Transmission-lever. No. 1,064,662; June 10; Gaz. vol. 191; p. 544.
- Mack, Stephen W., Glendale, Cal., assignor to McDonald Oil and Water Elevator Co., Aberdeen, Wash. Bucket-line for oil and water elevators. No. 1,056,347; Mar. 18; Gaz. vol. 188; p. 638.
- Mack, Thomas H., New York, N. Y. Equipment of cone-centers. No. 1,076,986; Oct. 28; Gaz. vol. 195; p. 939.
- Mack, William A., assignor to The Standard Sewing Machine Company, Cleveland, Ohio. Bobbin-case latch for sewing-machines. No. 1,053,736; Feb. 18; Gaz. vol. 187; p. 726.
- Mack, William A., assignor to The Standard Sewing Machine Company, Cleveland, Ohio. Take-up mechanism for sewing-machines. No. 1,053,841; Feb. 18; Gaz. vol. 187; p. 758.
- Mack, William A., assignor to The Standard Sewing Machine Company, Cleveland, Ohio. Sewing-machine. No. 1,060,689; May 6; Gaz. vol. 190; p. 43.
- Mack, William A., assignor to The Standard Sewing Machine Company, Cleveland, Ohio. Sewing-machine. No. 1,063,987; June 10; Gaz. vol. 191; p. 314.
- Mackay, James P., New York, N. Y. Work-bench. No. 1,069,448; Aug. 5; Gaz. vol. 193; p. 126.
- Mackensen, Otto, assignor to Firm of C. Zeiss, Jena, Germany. Double telescope. No. 1,067,532; July 15; Gaz. vol. 192; p. 627.
- Mackenzie, David S., Levin, New Zealand. Dental casting apparatus. No. 1,070,500; Aug. 19; Gaz. vol. 193; p. 557.
- Mackey, Hilliard, Lamar, Miss. * Combined drill and thread-cutter. No. 1,050,152; Jan. 14; Gaz. vol. 186; p. 317.
- Mackie, Edwin M. (See Thompson and Mackie.)
- Mackie, Edwin M., and J. A. Thompson, assignors to Chicago Pneumatic Tool Company, Chicago, Ill. Lubricator. No. 1,063,560; June 3; Gaz. vol. 191; p. 132.
- Mackie, Edwin M., and P. F. Doyle, Franklin, Pa., assignors to Chicago Pneumatic Tool Company, Chicago, Ill. Rock-drill. No. 1,080,706; Dec. 9; Gaz. vol. 197; p. 304.
- Mackie, Edwin M., and P. F. Doyle, Franklin, Pa., assignors to Chicago Pneumatic Tool Company, Chicago, Ill. Rock-drill. No. 1,080,707; Dec. 9; Gaz. vol. 197; p. 305.
- Mackie, Henry A., *et al.* (See Olson, Rorem, and Hill, assignors.)
- Mackie, John, Willimantic, Conn., assignor to The American Thread Company, New York, N. Y. Winding-machine. No. 1,071,248; Aug. 26; Gaz. vol. 193; p. 840.
- Mackintosh, Robert D. (See Brooke and Mackintosh.)
- Mackintosh, William M., Egremont, England. Combination-tool. No. 1,068,792; July 29; Gaz. vol. 192; p. 1131.
- Macklin, Frank J., and F. W. Trimmer, assignors to The United Seal Company, Columbus, Ohio. Sealing device. No. 1,057,438; Apr. 1; Gaz. vol. 189; p. 16.
- Mackorell, William H., and D. E. Winfree, Fort Smith, Ark. Locomotive-pilot. No. 1,066,637; July 8; Gaz. vol. 192; p. 286.
- Maclaren, James G., Mamaroneck, N. Y. Poultry-picker. No. 1,065,458; June 24; Gaz. vol. 191; p. 882.
- Maclaren, James G., Harrison, N. Y., assignor to The Lamson Company, Newark, N. J. Pneumatic-despatch-tube apparatus. No. 1,076,987; Oct. 28; Gaz. vol. 195; p. 939.
- Maclean, John M., Sneads, Fla. Joint-chair. No. 1,051,604; Jan. 28; Gaz. vol. 186; p. 882.
- Macleod, Albert A., Swampscott, Mass., assignor to United Shoe Machinery Company, Paterson, N. J. Work-support. No. 1,078,511; Nov. 11; Gaz. vol. 196; p. 468.
- Macleod, Eldon, *et al.* (See Kean, Thomas F., assignor.)
- Macleod, Thomas. (See Wiles, Macleod, and Wiles.)
- Macleod, Walter, Cincinnati, Ohio. Surface-heater. No. 1,062,655; May 27; Gaz. vol. 190; p. 827.
- Macleod, William A., *et al.* (See Kean, Thomas F., assignor.)
- Macloskie, George, Schenectady, N. Y., assignor to General Electric Company. Air-brake system. No. 1,081,316; Dec. 16; Gaz. vol. 197; p. 548.
- Macmanus, Augustus F. W., San Antonio, Tex. Aeroplane. No. 1,068,437; July 29; Gaz. vol. 192; p. 1008.
- Macmeikan, James. (See Rayson, Russell, assignor.)
- Macmillan, Marion, New York, N. Y. Sealed sanitary package. No. 1,050,555; Jan. 14; Gaz. vol. 186; p. 457.
- Macnish, Frederick J., Oak Park, assignor to Creamery Package Manufacturing Company, Chicago, Ill. Combined churn and butter-worker. No. 1,051,902; Feb. 4; Gaz. vol. 187; p. 19.
- Macolino, Ferdinando. (See La Vergne, Izzo, and Macolino.)
- Macomber, Harry W., and F. H. D. Bergmann, St. Louis, Mo. Aeroplane. No. 1,076,218; Oct. 21; Gaz. vol. 195; p. 614.
- Macomber, Isaac B., Portsmouth, R. I. Device for creasing trousers. No. 1,064,921; June 17; Gaz. vol. 191; p. 664.
- Macpherson, Malcolm, New York, N. Y. Towel-rack. No. 1,072,135; Sept. 2; Gaz. vol. 194; p. 160.
- Macrae, Roderick, Chicago, Ill. Wheel structure. No. 1,075,717; Oct. 14; Gaz. vol. 195; p. 415.
- Macrini, Alfred F., New York, N. Y. Fireman's mask. No. 1,079,251; Nov. 18; Gaz. vol. 196; p. 755.
- Macwilliam, James H., assignor to Siebrecht & Son, New York, N. Y. Tree-remover. No. 1,061,094; May 6; Gaz. vol. 190; p. 183.
- Macy, William H., and B. E. Wilbur, Miami, Okla. Bed-spring. No. 1,063,367; June 3; Gaz. vol. 191; p. 66.
- Madden, Edward J., assignor to Hawthorne Manufacturing Company, Inc., Bridgeport, Conn. Lighting apparatus. No. 1,070,501; Aug. 19; Gaz. vol. 193; p. 558.
- Madden, Harry D., Bloomfield, N. J., assignor to Westinghouse Lamp Company. Preparing billets of refractory materials. No. 1,081,618; Dec. 16; Gaz. vol. 197; p. 648.
- Madden, Patrick H., San Francisco, Cal. Portable bunker. No. 1,051,340; Jan. 21; Gaz. vol. 186; p. 758.
- Maddock, Harriet L., *et al.* (See Brown, Gilman W., assignor.)
- Maddocks, Isaac T., Sherman Mills, Me. Watch-repairer's tool. No. 1,070,150; Aug. 12; Gaz. vol. 193; p. 395.
- Madden, Harold H., Maricopa, Cal. Driving-ring for well-casings. No. 1,059,624; Apr. 22; Gaz. vol. 189; p. 884.
- Maddux, Corrintha J. (See Jackson, William W., assignor.)
- Madell, Frederick J., Newark, N. J. Dress-form. No. 1,080,571; Dec. 9; Gaz. vol. 197; p. 259.
- Madera, Bruce, Brownsville, Pa. Mine-spider. No. 1,069,798; Aug. 12; Gaz. vol. 193; p. 274.
- Madge, Frank A., *et al.* (See Bond, Frank F., assignor.)
- Madigan, John H. (See Rehak and Madigan.)
- Madigan, Patrick J., Chicago, Ill. Reversible door for distributing-cases. No. 1,070,502; Aug. 19; Gaz. vol. 193; p. 558.
- Madigan, Patrick J., Chicago, Ill. Drinking-fountain. No. 1,076,988; Oct. 28; Gaz. vol. 195; p. 940.
- Madigan, Patrick J., and J. Rehak, Chicago, Ill.; said Rehak assignor to said Madigan. Combined facing-table and postmarking-machine. No. 1,072,388; Sept. 2; Gaz. vol. 194; p. 244.
- Madison, Albert H., Bradford, Pa. Door-fastener for re-torts. No. 1,054,578; Feb. 25; Gaz. vol. 187; p. 1047.
- Madison-Kipp Lubricator Company. (See Winkley, Frank D., assignor.)
- Madsen, Charles P., Chicago, Ill. Securing two members one within the other. No. 1,057,159; Mar. 25; Gaz. vol. 188; p. 950.
- Madsen, Mads H., Kimballton, Iowa. Device for teaching young animals to drink. No. 1,065,459; June 24; Gaz. vol. 191; p. 882.
- Madsen, Nils, Westville, N. J. Skein or thread holder. No. 1,076,898; Oct. 28; Gaz. vol. 195; p. 909.
- Madsen, Peter N., South Chicago, assignor of one-half to L. La Reau, Chicago, Ill. Railway-rail. No. 1,079,054; Nov. 18; Gaz. vol. 196; p. 690.
- Maebert, Alexander, Bloomfield, N. J. Screw for eyeglasses and spectacles. No. 1,053,310; Feb. 18; Gaz. vol. 187; p. 578.
- Maedje, Arthur V., assignor of one-third to V. H. Lockwood, Indianapolis, Ind. Protector for automobile-radiators. No. 1,069,154; Aug. 5; Gaz. vol. 193; p. 22.
- Magly, Frederick C., Chicago, Ill. Apparatus for indicating car-weights. No. 1,050,962; Jan. 21; Gaz. vol. 186; p. 631.
- Maes, Ludwig, assignor to Kupper's Metallwerke Gesellschaft mit beschränkter Haftung, Bonn, Germany. Soldering-stick. No. 1,078,791; Nov. 18; Gaz. vol. 196; p. 599.
- Maffei-Schwartzkopff Werke G. m. b. H. (See Richter, Rudolf, assignor.)
- Magarvey, John R., Schenectady, N. Y. Locomotive driving-box. No. 1,057,160; Mar. 25; Gaz. vol. 188; p. 950.
- Magee, James, 2d. (See McCollum, Alfred F., assignor.)
- Magee, John, assignor to Diamond Power Specialty Company, Detroit, Mich. Blower for boilers. No. 1,053,842; Feb. 18; Gaz. vol. 187; p. 759.
- Magee, John, assignor to Diamond Power Specialty Company, Detroit, Mich. Blower for boilers. No. 1,057,161; Mar. 25; Gaz. vol. 188; p. 951.
- Magee, John, assignor to Diamond Power Specialty Company, Detroit, Mich. Blower for boilers. No. 1,059,479; Apr. 22; Gaz. vol. 189; p. 837.
- Magee, John, assignor to Diamond Power Specialty Company, Detroit, Mich. Water-tube blower. No. 1,060,923; May 6; Gaz. vol. 190; p. 124.
- Magee, John, assignor to "Diamond" Power Specialty Company, Detroit, Mich. Blower for water-tube boilers. No. 1,068,438; July 29; Gaz. vol. 192; p. 1008.
- Magelssen, Nino, Christiania, Norway. Producing fire-proof and elastic material. No. 1,074,511; Sept. 30; Gaz. vol. 194; p. 1091.
- Magerstadt, Ernest J. (See Mercier, Joseph T., assignor.)
- Maggard, William C., Mingo, Iowa. Road-drag. No. 1,049,744; Jan. 7; Gaz. vol. 186; p. 145.

Alphabetical list of patentees—Continued.

- Magidson, Frank, New York, N. Y. Ticket-dispensing machine. No. 1,072,631; Sept. 9; Gaz. vol. 194; p. 357.
- Magill, Richard A., Atlanta, Ga. Automobile safety appliance. No. 1,060,611; May 6; Gaz. vol. 190; p. 16.
- Magin, John G., assignor to Henry Conolly Company, Rochester, N. Y. Loose-leaf binder. No. 1,083,021; Dec. 30; Gaz. vol. 197; p. 1191.
- Magin, John G., assignor to Henry Conolly Company, Rochester, N. Y. Loose-leaf binder. No. 1,083,113; Dec. 30; Gaz. vol. 197; p. 1220.
- Maginnis, Patrick, Kimball, Nebr., assignor, by mesne assignments, to The Flume Improvement Company. Extensible trough or flume. No. 1,072,343; Sept. 2; Gaz. vol. 194; p. 226.
- Maginnis, William, Ogontz, Pa. Tire. No. 1,077,618; Nov. 4; Gaz. vol. 196; p. 130.
- Maginot, William, Hammond, Ind. Electric automatic alarm. No. 1,052,932; Feb. 11; Gaz. vol. 187; p. 405.
- Magni, Umberto, San Francisco, Cal. Jar-closure. No. 1,077,538; Nov. 4; Gaz. vol. 196; p. 105.
- Magnus, Gustaf W., Seattle, Wash. Liquid waterproof surfacing composition. No. 1,079,782; Nov. 25; Gaz. vol. 196; p. 972.
- Magnuson, Axel, New York, N. Y., assignor to Otis Elevator Company, Jersey City, N. J. Controlling apparatus for brakes. No. 1,069,070; July 29; Gaz. vol. 192; p. 1226.
- Magnuson, Nels, assignor to The Packard Company, Fort Wayne, Ind. Pneumatic actuating unit. No. 1,059,549; Apr. 22; Gaz. vol. 189; p. 860.
- Magor, Basil, New York, N. Y. Logging-car. No. 1,049,745; Jan. 7; Gaz. vol. 186; p. 145.
- Magor, Basil, Hamilton, Ontario, Canada. Underframe for cars. (Reissue.) No. 13,655; Dec. 9; Gaz. vol. 197; p. 502.
- Magor, Robert J., Passaic, N. J. Box-car. No. 1,080,708; Dec. 9; Gaz. vol. 197; p. 305.
- Magor, Robert J., Passaic, N. J. Car. No. 1,080,709; Dec. 9; Gaz. vol. 197; p. 305.
- Magowan, Frank A., New York, N. Y. Vehicle-tire. No. 1,053,101; Feb. 11; Gaz. vol. 187; p. 463.
- Magrane, Robert, Kingston, Pa. Impressing mechanism and process. No. 1,065,951; July 1; Gaz. vol. 192; p. 17.
- Magruder, Charles A. (See Smith, James M., assignor.)
- Maguire, Dennis H., assignor of one-half to C. W. S. Rothfuss, Williamsport, Pa. Collapsible box. No. 1,080,643; Dec. 9; Gaz. vol. 197; p. 282.
- Maguire, Hugh J., Kellogg, Idaho. Elevator-bucket. No. 1,077,844; Nov. 4; Gaz. vol. 196; p. 206.
- Mahaffey, Benjamin S., Astoria, N. Y. Spring-axle. No. 1,050,673; Jan. 14; Gaz. vol. 186; p. 494.
- Mahaffy, William G., Oklahoma, Okla. Closure for oil-cans. No. 1,060,197; Apr. 29; Gaz. vol. 189; p. 1116.
- Maham, Anna, Hamilton, Ohio. Meat-cutting machine. No. 1,052,933; Feb. 11; Gaz. vol. 187; p. 406.
- Mahoney, William J. (See Fadden, James D., assignor.)
- Maher, Eugene E., assignor to K Nut Co., Chicago, Ill. Self-locking nut. No. 1,081,540; Dec. 16; Gaz. vol. 197; p. 625.
- Maher, James and M. M., East Liverpool, Ohio. Wrench. No. 1,057,250; Mar. 25; Gaz. vol. 188; p. 981.
- Maher, James and M. M., and T. Terry, East Liverpool, Ohio. Well-drilling apparatus. No. 1,072,964; Sept. 9; Gaz. vol. 194; p. 477.
- Maher, James M., Fremont, Nebr. Current-deflector. No. 1,058,879; Apr. 15; Gaz. vol. 189; p. 593.
- Maher, James M., Fremont, Nebr. Rail-joint for railways. No. 1,075,114; Oct. 7; Gaz. vol. 195; p. 180.
- Maher, Merchey M. (See Maher, James and M. M.)
- Maher, Michael M. (See Maher and Terry.)
- Mahla, Charles A., New York, N. Y. Battery-box. No. 1,077,539; Nov. 4; Gaz. vol. 196; p. 105.
- Mahn, Godfrey S., Philadelphia, Pa. Cigar-head protector. No. 1,054,781; Mar. 4; Gaz. vol. 188; p. 44.
- Mahon, Patrick A., New York, N. Y. Cleaning device. No. 1,054,579; Feb. 25; Gaz. vol. 187; p. 1048.
- Mahon, Patrick T., Cranston, R. I. Tire-shoe-releasing tool. No. 1,066,210; July 1; Gaz. vol. 192; p. 109.
- Mahoney, Daniel H., Vincennes, Ind. Railway-crossing. No. 1,081,541; Dec. 16; Gaz. vol. 197; p. 625.
- Mahoney, Daniel H., assignor to The Mahoney Railroad Ditching Machine Company, Vincennes, Ind. Wheeled excavator or ditching-machine. No. 1,057,162; Mar. 25; Gaz. vol. 188; p. 951.
- Mahoney, James H., Worcester, Mass. Dispensing apparatus. No. 1,062,343; May 20; Gaz. vol. 190; p. 682.
- Mahoney, Jeremiah L., assignor of one-half to J. A. Murray, New Haven, Conn. Manufacture of water-bottles and the like. No. 1,058,447; Apr. 8; Gaz. vol. 189; p. 408.
- Mahoney, Joseph N., Wilkinsburg, Pa., assignor to Westinghouse Electric and Manufacturing Company. System of control for dynamo-electric machines. No. 1,056,921; Mar. 25; Gaz. vol. 188; p. 867.
- Mahoney, Joseph N., Wilkinsburg, assignor to The Westinghouse Air Brake Company, Pittsburgh, Pa. Electric brake. No. 1,076,298; Oct. 21; Gaz. vol. 195; p. 642.
- Mahoney, Myles, Wilkinsburg, Pa., assignor to Westinghouse Electric and Manufacturing Company. Locomotive. No. 1,078,630; Nov. 18; Gaz. vol. 196; p. 540.
- Mahoney, Myles, Wilkinsburg, Pa., assignor to Westinghouse Electric and Manufacturing Company. Railway-locomotive. No. 1,078,631; Nov. 18; Gaz. vol. 196; p. 540.
- Mahoney, Patrick. (See Kelly and Mahoney.)
- Mahoney Railroad Ditching Machine Company, The. (See Mahoney, Daniel H., assignor.)
- Mahoney, William, *et al.* (See Philbin and Monahan, assignors.)
- Mahoney, William E., *et al.* (See Sellar, John A. E., assignor.)
- Mahoney, William F. (See Metz, Walter R., assignor.)
- Mahony, Frank, deceased, Brooklyn, N. Y.; N. Mahony, administratrix. Grate-bar. No. 1,079,252; Nov. 18; Gaz. vol. 196; p. 756.
- Mahony, Nettie, administratrix. (See Mahony, Frank.)
- Mahony, William F., Washington, D. C. Poultry-trap-nest front. No. 1,081,317; Dec. 16; Gaz. vol. 197; p. 549.
- Mahood, Frank M., Roanoke, Va. Stamping-machine. No. 1,082,541; Dec. 30; Gaz. vol. 197; p. 1023.
- Maidens, William, Columbus, Ohio. Game apparatus. No. 1,076,503; Oct. 21; Gaz. vol. 195; p. 715.
- Maidhof, William J. F., New York, N. Y. Printing-form. No. 1,053,518; Feb. 18; Gaz. vol. 187; p. 650.
- Maidhof, William J. F., New York, N. Y. Printing-form. No. 1,055,770; Mar. 11; Gaz. vol. 188; p. 411.
- Maidhof, William J. F., New York, N. Y. Printing-form. No. 1,066,932; July 8; Gaz. vol. 192; p. 387.
- Maier, Charles, Chicago, Ill. Lathe-tool. No. 1,056,429; Mar. 18; Gaz. vol. 188; p. 668.
- Maier, Ernst, Cannstatt-Stuttgart, Germany. Stitch-indenting mechanism. No. 1,067,996; July 22; Gaz. vol. 192; p. 817.
- Maier, Frank X., and P. Frantz, assignors to Frantz Manufacturing Company, Sterling, Ill. Hasp-fastener. No. 1,070,274; Aug. 12; Gaz. vol. 193; p. 437.
- Maier, Gustav, Schramberg, Germany. Flat-folding box and the like. No. 1,083,114; Dec. 30; Gaz. vol. 197; p. 1221.
- Maier, John D., Charlestown, Md. Smoking-pipe. No. 1,077,148; Oct. 28; Gaz. vol. 195; p. 990.
- Maier, Leopold, Los Angeles, Cal. Power-transmission mechanism. No. 1,067,185; July 8; Gaz. vol. 192; p. 472.
- Maier, Louis, Karlsruhe, Germany. Production of artificial tobacco-leaves. No. 1,068,403; July 22; Gaz. vol. 192; p. 957.
- Maier, Louis H., New York, N. Y. Piano-action. No. 1,055,546; Mar. 11; Gaz. vol. 188; p. 335.
- Maier, Louis H., New York, N. Y. Music-spool mechanism. No. 1,057,070; Mar. 25; Gaz. vol. 188; p. 919.
- Maier, Otto, and G. J. Metz, Philadelphia, Pa. Collapsible support for work-tables. No. 1,075,115; Oct. 7; Gaz. vol. 195; p. 180.
- Maier, William A., and H. Steinmetz, Rochester, N. Y. Leaf-turner. No. 1,057,565; Apr. 1; Gaz. vol. 189; p. 58.
- Mail-on-eter Company. (See Straight, Bennett D., assignor.)
- Mailey, Roy D. (See Kraus and Mailey.)
- Maillette, Clarence T., and D. A. McGregor, Leavenworth, Wash. Washstand. No. 1,060,106; Apr. 29; Gaz. vol. 189; p. 1085.
- Main, Daniel T., Nelson, British Columbia, Canada. Automatic lubricator. No. 1,049,503; Jan. 7; Gaz. vol. 186; p. 62.
- Main, Fred F., Chicago, Ill., assignor to J. T. Underwood, Brooklyn, N. Y. Type-writing machine. No. 1,055,480; Mar. 11; Gaz. vol. 188; p. 314.
- Main, Thomas. (See Hilton and Main.)
- Main, William, Piermont, N. Y. Settling-cone. No. 1,065,542; June 24; Gaz. vol. 191; p. 911.
- Main, William J., Westport, Conn., assignor, by mesne assignments, to R. Hoe and Co., New York, N. Y. Sheet-delivering mechanism. No. 1,050,842; Jan. 21; Gaz. vol. 186; p. 587.
- Main, William J., Westport, Conn., assignor, by mesne assignments, to R. Hoe and Co., New York, N. Y. Sheet-delivery mechanism. No. 1,068,597; July 29; Gaz. vol. 192; p. 1063.
- Maine Development Corporation. (See Goodyear, Nelson, assignor.)
- Maine, Herbert E., Providence, R. I. Portable shoe-elongating implement. No. 1,080,918; Dec. 9; Gaz. vol. 197; p. 380.
- Maine Screen and Ventilator Company. (See Dyer and Leonard, assignors.)
- Mainker, Rubin, Passaic, N. J. Metal bedstead. No. 1,082,165; Dec. 23; Gaz. vol. 197; p. 860.
- Maire, Georges, Alexandria, Egypt. Producing a product for attracting insects. No. 1,059,888; Apr. 22; Gaz. vol. 189; p. 969.
- Maisel, Lorenz, Madison, Wis., assignor to Northern Chemical Engineering Laboratories. Contact device for hand-lamps. No. 1,082,887; Dec. 30; Gaz. vol. 197; p. 1146.

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- Maish, Jay H., Gallon, Ohio. Collar-button. No. 1,066,510; July 8; Gaz. vol. 192; p. 241.
- Maison, Bernard L., Sacramento, Cal. Bed-table. No. 1,064,507; June 10; Gaz. vol. 191; p. 493.
- Maitland, John, Swampscott, Mass. Thread-stand. No. 1,060,198; Apr. 29; Gaz. vol. 189; p. 1117.
- Maitland, John, Lynn, Mass. Thread-stand. No. 1,074,553; Sept. 30; Gaz. vol. 194; p. 1104.
- Maitland, John, and W. J. Beattie, assignors to Beattie Machine Works, Cohoes, N. Y. Machine for folding collar-blanks, &c. No. 1,071,677; Aug. 26; Gaz. vol. 193; p. 981.
- Maiwurm, Paul, Shreve, Ohio. Drop-hammer mechanism. No. 1,080,357; Dec. 2; Gaz. vol. 197; p. 155.
- Majer, John, Listie, Pa. Lamp. No. 1,074,442; Sept. 30; Gaz. vol. 194; p. 1071.
- Majernik, Agnes, Minneapolis, Minn. Life-saving device. No. 1,051,143; Jan. 21; Gaz. vol. 186; p. 693.
- Major, Wilfred, assignor of one-half to A. Matzdorf, Chicago, Ill. Passenger-car. No. 1,054,430; Feb. 25; Gaz. vol. 187; p. 998.
- Majors, Walter L., assignor of one-half to A. M. Turnbo, St. Louis, Mo. Coin-controlled taxicab-controller. No. 1,069,558; Aug. 5; Gaz. vol. 193; p. 162.
- Maker, John A., Duluth, Minn. Matrix device. No. 1,072,015; Sept. 2; Gaz. vol. 194; p. 119.
- Maker, Ralph K., assignor to B. A. Ballou and Company, Inc., Providence, R. I. Safety-catch for pins. No. 1,054,701; Mar. 4; Gaz. vol. 188; p. 16.
- Makin Heating Company, The. (See Makin and Schellman, assignors.)
- Makin, John S., and H. A. Schellman, assignors to The Makin Heating Company, Philadelphia, Pa. Register. No. 1,056,566; Mar. 18; Gaz. vol. 188; p. 717.
- Makowsky, Michael, Passaic, N. J. Combination check and stop valve. No. 1,072,245; Sept. 2; Gaz. vol. 194; p. 195.
- Makray, Paul, Chicago, Ill. Bowling outfit. No. 1,073,431; Sept. 16; Gaz. vol. 194; p. 677.
- Makutchan Roller Bearing Company, The. (See Makutchan, William H., assignor.)
- Makutchan, William H., assignor to The Makutchan Roller Bearing Company, Chicago, Ill. Hanger. No. 1,052,837; Feb. 11; Gaz. vol. 187; p. 371.
- Malaby, William L. F., Goltry, Okla. Animal-poke. No. 1,060,470; Apr. 29; Gaz. vol. 189; p. 1213.
- Malczynski, Antoni, Newark, N. J. Wrench. No. 1,068,911; July 29; Gaz. vol. 192; p. 1174.
- Malek, Albert, Mountain View, Cal. Wood scraper or surfacer. No. 1,068,683; July 29; Gaz. vol. 192; p. 1093.
- Malen, Jacob B., Detroit, Mich. Water-heater. No. 1,082,089; Dec. 23; Gaz. vol. 197; p. 837.
- Maline Mills Company, The. (See Siewers, Walter L., assignor.)
- Malleable Iron Company. (See Hay, John F., assignor.)
- Malleable Iron Range Company. (See McClure, Silas, assignor.)
- Malleable Iron Range Company. (See Rogers, Frederick W., assignor.)
- Malleable Steel Range Manufacturing Co., The. (See Boeck, Peter M., assignor.)
- Mallers, John B., Jr. (See Lilleberg, Charles L., assignor.)
- Mallery, Stanton E., assignor to O. M. Edwards, Syracuse, N. Y. Extension spring-roller. No. 1,077,149; Oct. 28; Gaz. vol. 195; p. 991.
- Mallery, William H., assignor of one-half to A. L. Hennessy, Youngstown, Ohio. Switch-box and support. No. 1,056,759; Mar. 18; Gaz. vol. 188; p. 784.
- Mallory, Bonnie L., assignor of one-third to F. C. Ellasser, Cleveland, Ohio. Drill-grinding attachment for abrading-wheels. No. 1,052,073; Feb. 4; Gaz. vol. 187; p. 78.
- Mallory, Harry B., assignor to E. A. Mallory and Sons, Incorporated, Danbury, Conn. Nap-blowing attachment for clipping-machines. No. 1,052,934; Feb. 11; Gaz. vol. 187; p. 406.
- Mallory, Harry C., New York, N. Y. Hot-blast heating system. No. 1,061,679; May 13; Gaz. vol. 190; p. 421.
- Mallory, Merideth T., Mineola, Tex. Seeder and planter. No. 1,082,430; Dec. 23; Gaz. vol. 197; p. 954.
- Mallory, Milton M., Springfield, Oreg. Swing. No. 1,068,353; July 22; Gaz. vol. 192; p. 940.
- Mallory, Milton M., Springfield, Oreg. Tricycle. No. 1,083,115; Dec. 30; Gaz. vol. 197; p. 1221.
- Malloy, John J., Brockton, Mass. Heel-building device. No. 1,068,684; July 29; Gaz. vol. 192; p. 1093.
- Malloy, Mary A., Portland, Oreg., assignor, by mesne assignments, to G. Hudson. Gate for draft-chambers of furnaces. No. 1,058,025; Apr. 1; Gaz. vol. 189; p. 215.
- Mally, Frederick W., Austin, Tex., and E. P. Hudson, Des Moines, Iowa; said Mally assignor to said Hudson. Suspenders. No. 1,076,504; Oct. 21; Gaz. vol. 195; p. 715.
- Mally, Frederick W., Austin, Tex., and E. P. Hudson, Des Moines, Iowa; said Mally assignor to said Hudson. Suspenders. No. 1,076,505; Oct. 21; Gaz. vol. 195; p. 715.
- Malm, Arthur T., assignor to Norton Company, Worcester, Mass. Glazed refractory article. No. 1,081,542; Dec. 16; Gaz. vol. 197; p. 626.
- Malm, John L., Denver, Colo. Treating metal and mineral bearing materials. No. 1,049,746; Jan. 7; Gaz. vol. 186; p. 145.
- Malmquist, Ernest H. E. (See Baer and Malmquist.)
- Malmstrom, Peter E., New York, N. Y. Filter. No. 1,078,366; Nov. 11; Gaz. vol. 196; p. 420.
- Malmstrom, Peter E., assignor to A. M. Sloss, New York, N. Y. Siphon-bottle. No. 1,069,155; Aug. 5; Gaz. vol. 193; p. 22.
- Malmstrom, Walter K. (See Murray, Brink, and Malmstrom.)
- Malo, Oray A., and F. H. Melat, Michigan City, Ind. Pipe-bending tool. No. 1,075,837; Oct. 14; Gaz. vol. 195; p. 457.
- Malone, Andrew J., Edmonds, assignor of one-half to J. Jameson, Oklahoma, Okla. Churn. No. 1,053,481; Mar. 11; Gaz. vol. 188; p. 315.
- Malone, Levi D., and H. E. Hubbs, assignors to The Shelby Spring Hinge Company, Shelby, Ohio. Double-acting door-check. No. 1,070,708; Aug. 19; Gaz. vol. 193; p. 627.
- Malone, William M., Wandl, Narrabri, and J. T. O'Neill, Narrabri, New South Wales, assignors to Malone's Fastener Limited, Sydney, Australia. Fastening for shoes. No. 1,070,050; Aug. 12; Gaz. vol. 193; p. 360.
- Malone's Fastener Limited. (See Malone and O'Neill, assignors.)
- Maloney, Clifton. (See Fearon, Thomas E., assignor.)
- Maloney, Henry F., Rozel, Kans. Farm-gate. No. 1,058,612; Apr. 8; Gaz. vol. 189; p. 462.
- Maloney, Michael H., Plymouth, Mass. Spinning-ring and holder therefor. No. 1,052,416; Feb. 18; Gaz. vol. 187; p. 615.
- Maloney, Owen W., assignor to Maloney Tank Manufacturing Company, Tulsa, Okla. Knockdown oil-tank. No. 1,076,382; Oct. 21; Gaz. vol. 195; p. 672.
- Maloney, Robert, De Lancey, Pa. Railway-tie. No. 1,063,049; May 27; Gaz. vol. 190; p. 956.
- Maloney Tank Manufacturing Company. (See Maloney, Owen W., assignor.)
- Maloney, Thomas F., New York, N. Y. Belt-buckle. No. 1,073,504; Sept. 16; Gaz. vol. 194; p. 701.
- Maloney, William, Ottawa, Ontario, Canada. Thresher. No. 1,059,743; Apr. 22; Gaz. vol. 189; p. 922.
- Malterner, Silas N., Canton, N. Y. Aeroplane. No. 1,061,917; May 13; Gaz. vol. 190; p. 495.
- Mambourg, Leopold, assignor to The Sanitary Nursing Bottle Company, Columbus, Ohio. Nursing-bottle. No. 1,080,070; Dec. 2; Gaz. vol. 197; p. 53.
- Mamet, Julien F., Billancourt, France. Shock-absorber for vehicles. No. 1,066,933; July 8; Gaz. vol. 192; p. 388.
- Mamloff, Michael, Rodniki Village, Kostroma, Russia. Self-acting mule. No. 1,054,855; Mar. 4; Gaz. vol. 188; p. 70.
- Manasse, Melville J., San Francisco, Cal. Key-tag. No. 1,066,129; July 1; Gaz. vol. 192; p. 80.
- Manblatt, Joseph D., New York, N. Y. Sole-bridge. No. 1,077,845; Nov. 4; Gaz. vol. 196; p. 207.
- Manby, Harry B., and F. H. Meunier, assignors of one-fourth to C. G. Campbell and one-fourth to J. B. Merritt, Denver, Colo. Apparatus for weighing liquids. No. 1,069,449; Aug. 5; Gaz. vol. 193; p. 126.
- Manchester, Henry C., Scranton, Pa. Water-gage. No. 1,070,620; Aug. 19; Gaz. vol. 193; p. 597.
- Mancini, Vincenzo, Schenectady, N. Y. Spring-wheel. No. 1,078,632; Nov. 18; Gaz. vol. 196; p. 541.
- Mandel, Ernst, and G. C. Moldenbauer, Colby, Wis. Milk-strainer rack. No. 1,065,821; June 24; Gaz. vol. 191; p. 1004.
- Mandelbaum, M. Joseph, New York, N. Y. Signaling device. No. 1,068,255; July 22; Gaz. vol. 192; p. 907.
- Mandelbaum, Maurice H. (See Little, Robert H., assignor.)
- Mander, Herbert, assignor to Mander 3 Chance Hook Company Limited, Westport, New Zealand. Swingle-tree-hook. No. 1,059,625; Apr. 22; Gaz. vol. 189; p. 884.
- Mander, James, Philadelphia, Pa. Bridle for brushes. No. 1,064,508; June 10; Gaz. vol. 191; p. 493.
- Mander 3 Chance Hook Company Limited. (See Mander, Herbert, assignor.)
- Manderfield, Robert J., Houghton, Mich. Combined weeder and cultivator. No. 1,064,149; June 10; Gaz. vol. 191; p. 370.
- Mandt, Gunder G., assignor to The William Galloway Company, Waterloo, Iowa. Standard for boxes of manure-spreaders. No. 1,049,747; Jan. 7; Gaz. vol. 186; p. 146.
- Mandt, Gunder G., Moline, Ill., and M. Vingum, Stoughton, Wis., assignors to Moline Plow Company. Manure-spreader. No. 1,077,087; Oct. 28; Gaz. vol. 195; p. 973.
- Manee, Charles I., New York, N. Y. Auxiliary wheel. No. 1,064,755; June 17; Gaz. vol. 191; p. 613.
- Maney, John J., Seattle, Wash. Stump-burner. No. 1,053,102; Feb. 11; Gaz. vol. 187; p. 463.
- Maney, Thomas, Louisville, Ky. Adjustable tie-plate. No. 1,067,124; July 8; Gaz. vol. 192; p. 451.
- Maney, Thomas, Louisville, Ky. Clip for adjustable tie-plates. No. 1,067,125; July 8; Gaz. vol. 192; p. 451.
- Manfull, George A., Brighton, Colo. Disk cultivator. No. 1,065,883; June 24; Gaz. vol. 191; p. 1026.
- Mangani, Alexander, Danbury, Conn. Clock-signal. No. 1,054,580; Feb. 25; Gaz. vol. 187; p. 1048.

Alphabetical list of patentees—Continued.

- Mangelsdorff, Carl B., Bergedorff, Germany, assignor to A. M. Frame, New York, N. Y. Toy. No. 1,060,612; May 6; Gaz. vol. 190; p. 17.
- Mangine, John E., Oakland, Cal. Nut-lock. No. 1,065,698; June 24; Gaz. vol. 191; p. 964.
- Mangold, John E., Greensburg, Pa. Hat-pin-point-protecting device. No. 1,054,431; Feb. 25; Gaz. vol. 187; p. 998.
- Mangold, Michael, assignor of one-half to M. Georg, Munich, Germany. Starching-machine. No. 1,070,351; Aug. 12; Gaz. vol. 193; p. 463.
- Mangum, Robert C., Washington, D. C. Driving mechanism for vehicles. No. 1,076,132; Oct. 21; Gaz. vol. 195; p. 585.
- Manhattan Electrical Supply Company. (See Avery, Charles E., assignor.)
- Manhattan Shoe Trimming Company. (See Cohen, Reuben, assignor.)
- Manier, Felix, Piqua, Ohio. Combined nut and pipe wrench. No. 1,076,133; Oct. 21; Gaz. vol. 195; p. 586.
- Manierre, Arthur. (See Tevander, Olof N., assignor.)
- Manierre, Arthur. (See Tevander and Manierre.)
- Manivet, Denis, Marseille, and E. Ressegaire, Avignon, France. Artificial skin or gut envelop for sausage-meat or the like. No. 1,076,899; Oct. 28; Gaz. vol. 195; p. 909.
- Mankau, Charles A., St. Petersburg, Russia. Spinel firebrick. No. 1,075,659; Oct. 14; Gaz. vol. 195; p. 397.
- Manley, Earl W., Clint, Tex. Wheel-bearing. No. 1,070,709; Aug. 19; Gaz. vol. 193; p. 627.
- Manley, Howard I., Kansas City, Mo., assignor of one-half to R. H. Wright, Durham, N. Y. Fluid-controlled clutch. No. 1,057,251; Mar. 25; Gaz. vol. 188; p. 982.
- Manlief, John H., *et al.* (See Bennett, Charles D., assignor.)
- Manly, Charles M., Freeport, N. Y. Pump or motor cylinder and making the same. No. 1,075,486; Oct. 14; Gaz. vol. 195; p. 337.
- Manly, Charles M., Brooklyn, N. Y. Tractor. No. 1,078,102; Nov. 11; Gaz. vol. 196; p. 327.
- Mann, Alice L., New York, N. Y. Garment-hanger. No. 1,080,767; Dec. 9; Gaz. vol. 197; p. 327.
- Mann, Charles, Quapaw, Okla. Whip-socket. No. 1,082,888; Dec. 30; Gaz. vol. 197; p. 1147.
- Mann, Charles A., Cincinnati, and E. Gnoeth, Madisonville; said Gnoeth assignor, by mesne assignments, to H. E. Tilghman, Cincinnati, Ohio. Machine for honing and stropping razors. No. 1,059,180; Apr. 15; Gaz. vol. 189; p. 697.
- Mann, Horace, Muskegon, Mich. Clutch. No. 1,077,728; Nov. 4; Gaz. vol. 196; p. 166.
- Mann, Ira A., Pittsburgh, Pa. Plumbing-fixture. No. 1,067,533; July 15; Gaz. vol. 192; p. 628.
- Mann, Jan, Prague, Austria-Hungary. Cooking and domestic utensil heated by electricity. No. 1,062,344; May 20; Gaz. vol. 190; p. 683.
- Mann, John J., Seattle, Wash. Oil-burner. No. 1,069,091; July 29; Gaz. vol. 192; p. 1235.
- Mann, John P. (See Morris, Saphier, and Mann.)
- Mann, John W. (See Krueger and Mann.)
- Mann, Leon. (See Cox, Stephen J., assignor.)
- Mann, Thomas A., McKees Rocks, Pa. Rail-fastener. No. 1,056,567; Mar. 18; Gaz. vol. 188; p. 718.
- Mann, William, Buckhurst Hill, England, assignor to The American Multigraph Company, Cleveland, Ohio. Type-distributing device. No. 1,051,605; Jan. 28; Gaz. vol. 186; p. 883.
- Mann, William L., St. Joseph, Mo. Spring-wheel. No. 1,075,838; Oct. 14; Gaz. vol. 195; p. 457.
- Mann and Willkomm Aktiengesellschaft. (See Theuerkorn, Paul, assignor.)
- Mannas, Joseph H., Shippensburg, Pa. Sled-brake. No. 1,070,503; Aug. 19; Gaz. vol. 193; p. 559.
- Manney, Mary E., Chicago, Ill. Surgical appliance. No. 1,066,934; July 8; Gaz. vol. 192; p. 388.
- Manning, Alma B. (See Dow, Paul P., assignor.)
- Manning, Bowman & Company. (See Savage, George E., assignor.)
- Manning, Bowman & Company. (See Wilkinson, Louis H., assignor.)
- Manning, Coleman J., Medford, Mass. Attachment for faucets, &c. No. 1,071,165; Aug. 26; Gaz. vol. 193; p. 812.
- Manning, George W., Chicago, Ill. Broom-making machine. No. 1,053,192; Feb. 18; Gaz. vol. 187; p. 536.
- Manning, John H., New York, N. Y., assignor to Crane Company, Chicago, Ill. Pipe-flanging machine. No. 1,076,134; Oct. 21; Gaz. vol. 195; p. 586.
- Manning, John H., New York, N. Y., assignor to Crane Company, Chicago, Ill. Pipe-flanging. No. 1,076,592; Oct. 21; Gaz. vol. 195; p. 747.
- Manning, Pleasant F., Oklahoma, Okla. Door-lock. No. 1,079,138; Nov. 18; Gaz. vol. 196; p. 718.
- Manning, Thomas L., Jr., Warren, Ohio. Detector for wireless telegraphy. No. 1,052,355; Feb. 4; Gaz. vol. 187; p. 173.
- Manning, Thomas M., Rome, Ga. Handle-mount for plows. No. 1,060,924; May 6; Gaz. vol. 190; p. 124.
- Mannon, William H., Ouray, Colo. Non-refillable bottle. No. 1,083,116; Dec. 30; Gaz. vol. 197; p. 1222.
- Manny, Henry C., Grays Run, Pa. Lifting-jack. No. 1,051,144; Jan. 21; Gaz. vol. 186; p. 693.
- Manny, Ira F., assignor to Selective Signal Company, Milwaukee, Wis. Means for selective signaling. No. 1,073,863; Sept. 23; Gaz. vol. 194; p. 847.
- Manon, Joseph W., Charleroi, Pa. Drinking-fountain. No. 1,074,803; Oct. 7; Gaz. vol. 195; p. 74.
- Manquat, Jean, Villeurbanne, France. Winding-machine for artificial threads. No. 1,067,534; July 15; Gaz. vol. 192; p. 628.
- Mansell, Hunt, Catty & Company Limited. (See Stratton, Egbert A., assignor.)
- Mansell, Reuben, Irymple, Victoria, Australia. Subfoliage and other cultivator or weed-cutter. No. 1,052,264; Feb. 4; Gaz. vol. 187; p. 145.
- Mansfield, Ellery C., Meredith, N. H. Sash-stop. No. 1,073,261; Sept. 16; Gaz. vol. 194; p. 617.
- Mansfield, George H., Canton, Ohio. Snow-remover. No. 1,075,154; Oct. 7; Gaz. vol. 195; p. 195.
- Mansfield, Harry L., and B. Rogers, Lucas, Kans. Photo printing apparatus. No. 1,049,504; Jan. 7; Gaz. vol. 186; p. 62.
- Mansfield Piano Company. (See Messina, August, assignor.)
- Mansfield, William. (See Holland and Mansfield.)
- Manson, Donald, Riversdale, New Zealand. Leather-worker's thimble. No. 1,082,542; Dec. 30; Gaz. vol. 197; p. 1024.
- Manson, George J., Thorold, Ontario, Canada. Pulp-board. No. 1,067,825; July 22; Gaz. vol. 192; p. 760.
- Manson, John A., Bridgeport, Conn. Revolving card-stand. No. 1,049,886; Jan. 7; Gaz. vol. 186; p. 192.
- Manson, John A., Bridgeport, Conn. Card-holder. No. 1,050,742; Jan. 14; Gaz. vol. 186; p. 517.
- Manson, Joseph P., Hartland, Me. Potato-vine arranger. No. 1,062,021; May 20; Gaz. vol. 190; p. 573.
- Manson, Louis H., Chicago, Ill., assignor, by mesne assignments, to Cushion Corner Bed Spring Company. Bed-bottom. No. 1,052,733; Feb. 11; Gaz. vol. 187; p. 333.
- Manson, Ray H., assignor to The Dean Electric Company, Elyria, Ohio. Signaling device. No. 1,057,752; Apr. 1; Gaz. vol. 189; p. 122.
- Manson, Ray H., assignor to The Dean Electric Company, Elyria, Ohio. Electric signaling system. No. 1,065,151; June 17; Gaz. vol. 191; p. 740.
- Manson, Ray H., assignor to The Dean Electric Company, Elyria, Ohio. Automobile-horn. No. 1,074,371; Sept. 30; Gaz. vol. 194; p. 1046.
- Manteau, Amos, Dillonvale, Ohio. Shield for trucks. No. 1,072,965; Sept. 9; Gaz. vol. 194; p. 478.
- Manthel, Gustav, Wismar, Germany. Scissors with movable pivot. No. 1,072,136; Sept. 2; Gaz. vol. 194; p. 160.
- Manthey, Charles, Stockett, Mont. Motor-casing for tube-cleaners. No. 1,055,197; Mar. 4; Gaz. vol. 188; p. 182.
- Mantius, Otto, Philadelphia, Pa. Continuous-operating centrifugal machine. No. 1,055,643; Mar. 11; Gaz. vol. 188; p. 367.
- Mantius, Otto, assignor to Zaremba Company, Chicago, Ill. Evaporator. No. 1,054,926; Mar. 4; Gaz. vol. 188; p. 92.
- Mantle, Ernest H., McKees Rocks, Pa. Guard for hat-pins. No. 1,074,443; Sept. 30; Gaz. vol. 194; p. 1071.
- Manufacturers Can Company, The. (See Milligan and Jacobsen, assignors.)
- Manufacturing, Equipment and Engineering Company. (See Leland, Sanford D., assignor.)
- Manwaring, George A. (See Emerson and Manwaring.)
- Manwell, Edmund T. (See Brown, Edwards, and Manwell.)
- Many Colored Electric Company, The, *et al.* (See Jarvis, Ruben P., assignor.)
- Many-Use Oil Company. (See Cole, George W., assignor.)
- Manzano, Luis, Huelva, Spain. Central buffer with automatic coupling for railway-cars. No. 1,068,256; July 22; Gaz. vol. 192; p. 907.
- Manzel Bros. Co. (See Manzel, Charles W., assignor.)
- Manzel, Charles W., assignor, by mesne assignments, to Manzel Bros. Co., Buffalo, N. Y. Force-feed lubricator. No. 1,069,450; Aug. 5; Gaz. vol. 193; p. 127.
- Mapelsden, Harold H., Schenectady, N. Y., assignor to General Electric Company. Fluid-flow meter. No. 1,076,437; Oct. 21; Gaz. vol. 195; p. 692.
- Mapelsden, Harold H., Schenectady, N. Y., assignor to General Electric Company. Fluid-flow meter. No. 1,076,656; Oct. 21; Gaz. vol. 195; p. 770.
- Mapes, Fred C., and W. M. Owen, Chelsea, Mich. Variable-resistance electric-lamp switch. No. 1,060,991; May 6; Gaz. vol. 190; p. 150.
- Maranville, Harvey F., Akron, Ohio. Filter. No. 1,054,702; Mar. 4; Gaz. vol. 188; p. 16.
- Maranville, Harvey F., Akron, assignor to The Perfection Spring Company, Cleveland, Ohio. Lubricating system. No. 1,071,068; Aug. 26; Gaz. vol. 193; p. 780.
- Maranville, Harvey F., Akron, assignor to The Perfection Spring Company, Cleveland, Ohio. Lubricating system. No. 1,071,623; Aug. 26; Gaz. vol. 193; p. 965.

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- Maranville, Harvey F., Akron, assignor to The Perfection Spring Company, Cleveland, Ohio. Filter. No. 1,077,619; Nov. 4; Gaz. vol. 196; p. 130.
- Marbel, George E., Dubuque, Iowa. Lubricating-cup for wagons. No. 1,081,457; Dec. 16; Gaz. vol. 197; p. 596.
- Marble, Edward W., and O. E. Dingley, West Farmington, Me. Pump. No. 1,065,152; June 17; Gaz. vol. 191; p. 740.
- Marble, Harry M. (See Whalen, Thomas J., assignor.)
- Marburg, Louis C., Norwood, Ohio, assignor to The Bullock Electric Manufacturing Company. Speed-limiting device. No. 1,055,931; Mar. 11; Gaz. vol. 188; p. 464.
- Marcelle, Charles, Picayune, Miss. Coal-transferring apparatus. No. 1,067,615; July 15; Gaz. vol. 192; p. 655.
- March, Edward, London, England. Check-disk-issuing machine. No. 1,079,943; Dec. 2; Gaz. vol. 197; p. 7.
- March, John C. R., Perth Amboy, N. J. Steering-gear. No. 1,059,744; Apr. 22; Gaz. vol. 189; p. 923.
- March, John C. R., Perth Amboy, N. J. Fly-wheel. No. 1,076,219; Oct. 21; Gaz. vol. 195; p. 614.
- Marchal, Louis, Chicago, Ill. Electric advertiser. No. 1,051,245; Jan. 21; Gaz. vol. 186; p. 726.
- Marchant, William J., London, England. Telephonic transmitter. No. 1,054,581; Feb. 25; Gaz. vol. 187; p. 1048.
- Marchese, Leonidas E., Chicopee, Mass. Paper-box-maker's gate. No. 1,081,759; Dec. 16; Gaz. vol. 197; p. 695.
- Marchesseault, Joseph R., Moosup, Conn. Clutch. No. 1,056,922; Mar. 25; Gaz. vol. 188; p. 868.
- Marchthal, Eduard M. v., Vienna, Austria-Hungary, assignor to Siemens & Halske, A. G., Berlin, Germany. Type-writing machine. No. 1,052,356; Feb. 4; Gaz. vol. 187; p. 173.
- Marchthal, Eduard M. v., Vienna, Austria-Hungary, assignor to Siemens & Halske, A. G., Berlin, Germany. Machine for producing printed matter. No. 1,054,582; Feb. 25; Gaz. vol. 187; p. 1048.
- Marchthal, Eduard M. v., Vienna, Austria-Hungary, assignor to Siemens & Halske, A. G., Berlin, Germany. Apparatus for closing an electric circuit at predetermined positions of a collector. No. 1,054,583; Feb. 25; Gaz. vol. 187; p. 1049.
- Marchthal, Eduard M. v., Vienna, Austria-Hungary, assignor to Siemens & Halske, A. G., Berlin, Germany. Machine for producing and transcribing perforated symbols. No. 1,067,047; July 8; Gaz. vol. 192; p. 424.
- Marchthal, Eduard M. v., Vienna, Austria-Hungary, assignor to Siemens & Halske, A. G., Berlin, Germany. Machine for producing justification-symbols in register-bands. No. 1,082,642; Dec. 30; Gaz. vol. 197; p. 1060.
- Marclie, Felix. (See Sheldon, Brand, and Marclie.)
- Marconi Wireless Telegraph Company of America. (See Pickerill, Elmo N., assignor.)
- Marcotte, Arthur D., Eunice, La. Oil-burner. No. 1,064,509; June 10; Gaz. vol. 191; p. 493.
- Marcotte, Louis A., Beverly Cove, Mass. Automobile-horn. No. 1,063,561; June 3; Gaz. vol. 191; p. 132.
- Marcotte, Louis A., assignor of one-half to W. Herd, Beverly Cove, Mass. Internal-combustion engine. No. 1,074,635; Oct. 7; Gaz. vol. 195; p. 16.
- Marcroft, William, Providence, R. I., assignor to Universal Winding Company, Portland, Me. Tension device. No. 1,078,448; Nov. 11; Gaz. vol. 196; p. 449.
- Marcucci, Marius A., New York, N. Y. Container. No. 1,051,606; Jan. 28; Gaz. vol. 186; p. 883.
- Marcus, Aaron, New York, N. Y. Shape-preserver for open-ended neckties. No. 1,061,764; May 13; Gaz. vol. 190; p. 447.
- Marcus, Adolph, Louisville, Ky. Reinforcement for baskets. No. 1,071,766; Sept. 2; Gaz. vol. 194; p. 34.
- Marcuse, Moses M., assignor to West Disinfecting Company, New York, N. Y. Liquid-dispensing device. No. 1,073,864; Sept. 23; Gaz. vol. 194; p. 847.
- Marcuson, Elias, New York, N. Y. Electrical testing-battery. No. 1,069,888; Aug. 12; Gaz. vol. 193; p. 305.
- Marcy, Frank E., Salt Lake City, Utah. Hydraulic concentrator. No. 1,056,923; Mar. 25; Gaz. vol. 188; p. 868.
- Marcy, Frank E., Salt Lake City, Utah. Ball-mill. No. 1,080,768; Dec. 9; Gaz. vol. 197; p. 327.
- Marcy, Frank E., Salt Lake City, Utah, assignor, by mesne assignments, to Allis-Chalmers Manufacturing Company. Agitator. No. 1,082,431; Dec. 23; Gaz. vol. 197; p. 954.
- Marcy, Herbert E., Mount Vernon, assignor to F. C. Howe, New York, N. Y. Faucet-coupling. No. 1,069,712; Aug. 12; Gaz. vol. 193; p. 244.
- Marden, Clarence S. (See Gibson and Marden.)
- Marden, William H., and C. C. Weaver, Sapulpa, Okla. Stuffing-box. No. 1,052,357; Feb. 4; Gaz. vol. 187; p. 174.
- Mardock, James H., Aledo, assignor of one-half to E. M. Castle, Joy, Ill. Car-ticket holder. No. 1,065,543; June 24; Gaz. vol. 191; p. 911.
- Marean, Marrett F., Joplin, Mo. Geat for folding umbrellas. No. 1,059,181; Apr. 15; Gaz. vol. 189; p. 697.
- Maréchal, Clement G., Paris, France. Apparatus for honing the blades of razors. No. 1,070,051; Aug. 12; Gaz. vol. 193; p. 360.
- Maren, Max. (See Weinberg and Maren.)
- Maresca, Leo. (See Falasea, Joseph, assignor.)
- Marfield, Dwight S., *et al.* (See Marfield, Paul B., assignor.)
- Marfield, Paul B., assignor of one-fourth to D. S. Marfield and one-fourth to N. P. Riley, Cincinnati, Ohio. Friction-clutch. No. 1,062,568; May 20; Gaz. vol. 190; p. 755.
- Margeson, Manly E., Kendallville, Ind. Mail-box. No. 1,055,198; Mar. 4; Gaz. vol. 188; p. 182.
- Margolis, Louis. (See Rockowitz, Abraham, assignor.)
- Margolis, Louis, New York, N. Y. Sad-iron. No. 1,057,863; Apr. 1; Gaz. vol. 189; p. 161.
- Marino, Michael, New York, N. Y. Valve for water-closets. No. 1,069,559; Aug. 5; Gaz. vol. 193; p. 162.
- Marino, Pascal, London, England. Manufacture of electrical accumulators. No. 1,068,439; July 29; Gaz. vol. 192; p. 1009.
- Marino, Pascal, London, England. Preparing electrolytes for use in the deposition of a metal or metallic alloy. No. 1,073,432; Sept. 16; Gaz. vol. 194; p. 678.
- Marino, Quintin, London, England. Metallizing ceramic and other surfaces. No. 1,077,357; Nov. 4; Gaz. vol. 196; p. 41.
- Marion, John H., Chester, S. C. Bale-band-applying device. No. 1,079,602; Nov. 25; Gaz. vol. 196; p. 908.
- Marion, Roy. (See Barr, John W., assignor.)
- Marion Steam Shovel Company, The. (See King, Gracely, and Roush, assignors.)
- Marion Steam Shovel Company, The. (See King and Jacoby, assignors.)
- Marion Steam Shovel Company, The. (See King and Weston, assignors.)
- Marischka, Carl, Vienna, Austria-Hungary. Combined gas and steam generator. No. 1,049,748; Jan. 7; Gaz. vol. 186; p. 146.
- Maritz, Edward F. (See Sokolowski, Teofil, assignor.)
- Mark, Charlie E., Chicago, Ill. Apparatus for treatment of materials. No. 1,057,489; Apr. 1; Gaz. vol. 189; p. 32.
- Mark, Fred L., Chicago, Ill., assignor, by mesne assignments, to The Ransom & Randolph Company, Toledo, Ohio. Apparatus for casting. No. 1,055,343; Mar. 11; Gaz. vol. 188; p. 268.
- Mark Manufacturing Company. (See Bergman, Carl O., assignor.)
- Markau, Karl, Berlin, Germany, assignor to General Electric Company. System of electric metering. No. 1,077,729; Nov. 4; Gaz. vol. 196; p. 166.
- Markel, Emerich J., New Haven, Conn. Controlling mechanism. No. 1,061,765; May 13; Gaz. vol. 190; p. 447.
- Markel, Harley R., Columbus, Ohio. Insulator. No. 1,061,620; May 13; Gaz. vol. 190; p. 400.
- Marker, Burton, Chester, Pa. Indicating and recording device. No. 1,062,345; May 20; Gaz. vol. 190; p. 683.
- Marker, James A., Lamar, Mo. Projectile. No. 1,066,130; July 1; Gaz. vol. 192; p. 80.
- Markert, Anthony N., assignor to Will & Baumer Company, Syracuse, N. Y. Candle-holder. No. 1,054,973; Mar. 4; Gaz. vol. 188; p. 109.
- Markert, John P., and R. S. Bolger, New York, N. Y.; said Bolger assignor to said Markert. Box-wrapping machine. No. 1,053,519; Feb. 18; Gaz. vol. 187; p. 650.
- Markert, John P., Brooklyn, and R. S. Bolger, Morris Park, N. Y.; said Bolger assignor to said Markert. Box-covering machine. No. 1,065,153; June 17; Gaz. vol. 191; p. 741.
- Markert, John P., Brooklyn, and R. S. Bolger, Morris Park, N. Y.; said Bolger assignor to said Markert. Box-covering machine. No. 1,065,330; June 17; Gaz. vol. 191; p. 800.
- Markewich, Jacob. (See Greenberg, Markewich, and Brown.)
- Markham Air Rifle Company. (See Roe, Ernest S., assignor.)
- Markham, Charles F., Providence, R. I. Pin. No. 1,073,769; Sept. 23; Gaz. vol. 194; p. 817.
- Markham, Charles F., Providence, R. I. Pin. No. 1,079,015; Nov. 18; Gaz. vol. 196; p. 676.
- Markham, Charles M., San Diego, Cal. Lifting-jack. No. 1,081,243; Dec. 9; Gaz. vol. 197; p. 485.
- Markham, J. E., *et al.* (See Ross, James T., assignor.)
- Markham, Joseph T., assignor to Sellers Manufacturing Company, Chicago, Ill. Tie-plate. No. 1,060,775; May 6; Gaz. vol. 190; p. 72.
- Markham, R. E. (See McElwaine, Clayton B., assignor.)
- Markham Rifle Company. (See Roe, Ernest S., assignor.)
- Markham, Sidney L., Silver Creek, N. Y. Window-frame. No. 1,068,149; July 22; Gaz. vol. 192; p. 869.
- Märkische Maschinenbauanstalt "Teutonia," Gesellschaft mit beschränkter Haftung. (See Vorraber, Josef, assignor.)
- Markle, Clarence A., and G. B. McClellan, Punxsutawney, Pa. Grinding-mill. No. 1,054,011; Feb. 25; Gaz. vol. 187; p. 854.
- Markle, Edward L., Chicago, Ill. Cutter-guard. No. 1,068,150; July 22; Gaz. vol. 192; p. 869.
- Markoe, John A., St. Paul, Minn. Rotary envelop-sealing machine. No. 1,058,770; Apr. 15; Gaz. vol. 189; p. 553.

Alphabetical list of patentees—Continued.

- Markoe, John A., St. Paul, Minn. Stamper-feed. No. 1,066,027; July 1; Gaz. vol. 192; p. 43.
- Markoff, Harry, Stafford, Conn. Ear-protector. No. 1,066,511; July 8; Gaz. vol. 192; p. 241.
- Markowski, Henry C., and H. B. Wittkowski, Grand Rapids, Mich. Combination storm-sash and ventilator. No. 1,078,205; Nov. 11; Gaz. vol. 196; p. 362.
- Marks, Frank R., assignor to The Chamberlain Company, Incorporated, Pittsburgh, Pa. Vapor-generating lamp. No. 1,067,875; July 22; Gaz. vol. 192; p. 777.
- Marks, Henry J., Toowoomba, Queensland, Australia. Cushion-spring wheel. No. 1,052,358; Feb. 4; Gaz. vol. 187; p. 174.
- Marks, Nathaniel G. (See Lake and Marks.)
- Marks, Paul J., assignor to Eastman Kodak Company, Rochester, N. Y. Photographic shutter. No. 1,049,379; Jan. 7; Gaz. vol. 186; p. 21.
- Markstein, Jacob, *et al.* (See Blow and Sandiford, assignors.)
- Markus, Adolf, assignor to A. Prée, Dresden, Germany. Manufacturing a waterproof mortar. No. 1,082,035; Dec. 23; Gaz. vol. 197; p. 818.
- Markwell, Andrew E., assignor of one-half to C. W. Stanton, Fort Worth, Tex. Matrix-molding device. No. 1,072,137; Sept. 2; Gaz. vol. 194; p. 160.
- Markwell, Charles A. (See Mowry, Roy M., assignor.)
- Marlatt, Elmer E., Newark, N. J. Ticket-holder. No. 1,065,616; June 24; Gaz. vol. 191; p. 935.
- Marley, Bernard, W. P. Thacker, and R. P. Barnard, Nokomis, Ill. Resilient wheel. No. 1,050,481; Jan. 14; Gaz. vol. 186; p. 432.
- Marlowe, Frank W. (See Neice and Marlowe.)
- Marmon, Howard C., assignor to Nordyke & Marmon Company, Indianapolis, Ind. Brake. No. 1,078,600; Nov. 11; Gaz. vol. 196; p. 498.
- Marmonier, Louis, Lyon, France. Automatic stabilizer for aeroplanes. No. 1,050,153; Jan. 14; Gaz. vol. 186; p. 317.
- Marmorstein, John, Jersey City, N. J. Pipe-patch. No. 1,073,505; Sept. 16; Gaz. vol. 194; p. 701.
- Marple, David S., Osborne, Kans. Nut-lock. No. 1,051,246; Jan. 21; Gaz. vol. 186; p. 726.
- Marquand, Philip, New York, N. Y., assignor, by mesne assignments, to Tri-Eye Hook & Eye Company. Garment-hook. No. 1,080,987; Dec. 9; Gaz. vol. 197; p. 402.
- Marquardt, Frank G., and F. J. Dellinger, Cleveland, Ohio. Steam-trap. No. 1,060,471; Apr. 29; Gaz. vol. 189; p. 1213.
- Marquardt, Reinhold G., assignor to Milwaukee Woven Wire Works, Milwaukee, Wis. Mattress-frame. No. 1,064,510; June 10; Gaz. vol. 191; p. 494.
- Marquart, Charles V., Sandusky, Ohio. Brake-shoe. No. 1,054,974; Mar. 4; Gaz. vol. 188; p. 109.
- Marquet, Oscar L. (See Potter, Pritchard, and Marquet.)
- Marquette, Jerome N., Binghamton, N. Y. Car-step. No. 1,056,745; Mar. 18; Gaz. vol. 188; p. 779.
- Marquette, Jerome N., Binghamton, N. Y. Locker and snow-guard for removable car-steps. No. 1,075,046; Oct. 7; Gaz. vol. 195; p. 158.
- Marquis, Ralph L. (See Hoban and Marquis.)
- Marquis, Theophile. (See Persault and Marquis.)
- Marr, Alexander, Manchester, England. Diaphragm of telephonic receivers and like instruments. No. 1,061,766; May 13; Gaz. vol. 190; p. 448.
- Marr, Arthur N., Thorne, near Leeds, England. Apparatus for drying sized yarns and warps. No. 1,052,074; Feb. 4; Gaz. vol. 187; p. 79.
- Marr, Walter L., Flint, Mich. Aeroplane. No. 1,053,619; Feb. 18; Gaz. vol. 187; p. 684.
- Marr, Walter L., Flint, Mich. Balance steering-plane for aeroplanes. No. 1,059,480; Apr. 22; Gaz. vol. 189; p. 838.
- Marr, Walter L., Flint, Mich. Carbureter. No. 1,073,695; Sept. 23; Gaz. vol. 194; p. 791.
- Marresford, William F., Brooklyn, N. Y. Belt-fastener. No. 1,078,053; Nov. 11; Gaz. vol. 196; p. 311.
- Marriott, Francis B., Homewood, Ala. Rail-joint. No. 1,061,621; May 13; Gaz. vol. 190; p. 400.
- Marrs, John J., Harrison, Ark. Vending-machine. No. 1,057,971; Apr. 1; Gaz. vol. 189; p. 197.
- Mars, John O., Omaha, Nebr. Slack-adjuster. No. 1,060,613; May 6; Gaz. vol. 190; p. 17.
- Marsden, John E., Philadelphia, Pa. Vase for vehicles. No. 1,063,709; June 3; Gaz. vol. 191; p. 188.
- Marsden, Marvin, assignor of one-half to E. M. Ladd, Edgerton, Wis. Match-starter for internal-combustion engines. No. 1,071,327; Aug. 26; Gaz. vol. 193; p. 866.
- Marseilles Company. (See Adams, Alonzo T., assignor.)
- Marsh, Albert L., assignor to Hoskins Manufacturing Company, Detroit, Mich. Electrical resistance element. No. 1,057,753; Apr. 1; Gaz. vol. 189; p. 122.
- Marsh, Albert L., assignor to Hoskins Manufacturing Company, Detroit, Mich. Electrical resistance element. No. 1,057,754; Apr. 1; Gaz. vol. 189; p. 122.
- Marsh, Albert L., assignor to Hoskins Manufacturing Company, Detroit, Mich. Electrical resistance element. No. 1,057,755; Apr. 1; Gaz. vol. 189; p. 122.
- Marsh, Albert L., assignor to Hoskins Manufacturing Company, Detroit, Mich. Electrical resistance element. No. 1,057,756; Apr. 1; Gaz. vol. 189; p. 122.
- Marsh, Albert L., assignor to Hoskins Manufacturing Company, Detroit, Mich. Thermo-electric element. No. 1,076,438; Oct. 21; Gaz. vol. 195; p. 692.
- Marsh, Arthur E., Elgin, Ill. Egg-opener. No. 1,070,827; Aug. 19; Gaz. vol. 193; p. 666.
- Marsh-Capron Manufacturing Company. (See Mosby, Alfred D., assignor.)
- Marsh, Clarence W., Greenwich, Conn., assignor, by mesne assignments, to Hooker Electrochemical Company, New York, N. Y. Electrolytic cell. No. 1,075,362; Oct. 14; Gaz. vol. 195; p. 293.
- Marsh, Clarence W., Greenwich, Conn., assignor, by mesne assignments, to Hooker Electrochemical Company, New York, N. Y. Electrolytic cell. No. 1,075,363; Oct. 14; Gaz. vol. 195; p. 294.
- Marsh, Clarence W., Greenwich, Conn., assignor, by mesne assignments, to Hooker Electrochemical Company, New York, N. Y. Electrolytic cell. No. 1,075,364; Oct. 14; Gaz. vol. 195; p. 294.
- Marsh, Clarence W., Greenwich, Conn., assignor to Hooker Electrochemical Company, New York, N. Y. Electrolytic cell. No. 1,075,660; Oct. 14; Gaz. vol. 195; p. 397.
- Marsh, Clide, Fort Dodge, Kans. Shelf. No. 1,064,843; June 17; Gaz. vol. 191; p. 640.
- Marsh, Edward A., Newton, assignor to Waltham Watch Company, Waltham, Mass. Fastener for watch-dials, &c. No. 1,065,952; July 1; Gaz. vol. 192; p. 17.
- Marsh, Elmer E., assignor of one-third to A. C. Davis and one-third to V. Gluchowsky, Cincinnati, Ohio. Carbureter. No. 1,049,887; Jan. 7; Gaz. vol. 186; p. 192.
- Marsh, Forest E. (See Chamberlin, Newton F., assignor.)
- Marsh, Franklin, Milwaukee, and J. G. Phillips, Green Bay, Wis. Feed-water-circulating system for boilers. No. 1,057,566; Apr. 1; Gaz. vol. 189; p. 58.
- Marsh, George, Laporte, Ind. Trace attachment. No. 1,054,432; Feb. 25; Gaz. vol. 187; p. 998.
- Marsh, George A., assignor to Reliance Copyliner Co., Norfolk, Va. Copy-holder. No. 1,057,163; Mar. 25; Gaz. vol. 188; p. 952.
- Marsh, George W., *et al.* (See Palmer, Charles, assignor.)
- Marsh, George W., Oakland, Cal. Cooling device for an engine. No. 1,077,414; Nov. 4; Gaz. vol. 196; p. 62.
- Marsh, Harry S. (See Burchard, Hansen, and Marsh.)
- Marsh, Harry S., assignor to International Cigar Machinery Company, New York, N. Y. Cigar-machine. No. 1,077,886; Nov. 4; Gaz. vol. 196; p. 221.
- Marsh, Howard E. (See Carr, John H., assignor.)
- Marsh, James S., Quincy, Ill. Cultivator. No. 1,068,513; July 29; Gaz. vol. 192; p. 1034.
- Marsh, Matthew G. (See Rich and Marsh.)
- Marsh, Melville A., New York, N. Y., and G. A. Wallin, Scotch Plains, N. J., assignors to A. Kimball Company, New York, N. Y. Marking-ticket. No. 1,054,927; Mar. 4; Gaz. vol. 188; p. 93.
- Marsh, Nathan J., Meadow Creek, W. Va. Case. No. 1,051,607; Jan. 28; Gaz. vol. 186; p. 883.
- Marsh, Nathan J., Meadow Creek, W. Va. Postage-stamp-perforating machine. No. 1,052,680; Feb. 11; Gaz. vol. 187; p. 318.
- Marsh, Ruthene F., Delphos, Ohio. Molding-machine. No. 1,056,808; Mar. 25; Gaz. vol. 188; p. 829.
- Marsh, William L. (See Coplestone, Herbert W., assignor.)
- Marsh, William P. (See Dill and Marsh.)
- Marshall, Alfred. (See Dam and Marshall.)
- Marshall, Benjamin W. (See Barner and Marshall.)
- Marshall, Bertice E., New York, N. Y., assignor, by mesne assignments, to D. F. Kilgour, Lexington, Mass. Lubricator for elevator-guides. (Reissue.) No. 13,664; Dec. 30; Gaz. vol. 197; p. 1268.
- Marshall, Charles E., Indianapolis, Ind. Portable vulcanizer. No. 1,058,316; Apr. 8; Gaz. vol. 189; p. 361.
- Marshall, Dale. (See Giller and Marshall.)
- Marshall, Dale, Cheltenham, England. Portable rest for carrying books, papers, and the like. No. 1,074,963; Oct. 7; Gaz. vol. 195; p. 127.
- Marshall, Dale, Cheltenham, England. Means for the opening of doors, gates, and the like. No. 1,076,506; Oct. 21; Gaz. vol. 195; p. 716.
- Marshall, Dale, Cheltenham, England. Tire-tread. No. 1,082,203; Dec. 23; Gaz. vol. 197; p. 874.
- Marshall, Ernest W., Yonkers, assignor to J. E. Ogden, Brooklyn, N. Y. Cable-clamp. No. 1,060,006; Apr. 29; Gaz. vol. 189; p. 1053.
- Marshall, Ezra O., Walla Walla, Wash. Weed-cutting machine. No. 1,059,889; Apr. 22; Gaz. vol. 189; p. 969.
- Marshall Field & Company. (See Stone, Vincent, assignor.)
- Marshall, Frank F. (See Schorik and Marshall.)
- Marshall, Frank H. (See Martzloff and Marshall.)
- Marshall, George, Fremont, Nebr. Truck for forming and depositing shocks. No. 1,073,917; Sept. 23; Gaz. vol. 194; p. 867.
- Marshall, George, Fremont, Nebr. Apparatus for generating steam. No. 1,078,545; Nov. 11; Gaz. vol. 196; p. 480.

Alphabetical list of patentees—Continued.

- Marshall, George F. (See Burgulercs, Corne, and Marshall.)
- Marshall, Harry P., Glen Ridge, N. J. Apparatus for making castings. No. 1,065,326; June 17; Gaz. vol. 191; p. 799.
- Marshall, James A., Cordell, Okla. Stalk-breaker. No. 1,064,233; June 10; Gaz. vol. 191; p. 399.
- Marshall, James G., assignor to Union Carbide Company, Niagara Falls, N. Y. Electrode contact-clamp. No. 1,065,380; June 24; Gaz. vol. 191; p. 855.
- Marshall, John I. (See Faulds, John, assignor.)
- Marshall, John T. (See Kober and Marshall.)
- Marshall, Martin. (See Marshall, William E. and M.)
- Marshall, Norman, Newton, Mass. Riveting-machine. No. 1,079,783; Nov. 25; Gaz. vol. 196; p. 972.
- Marshall, Son & Company. (See Glaser, Alois, assignor.)
- Marshall, Stephen M., Clinton, Mass. Fusible link. No. 1,080,228; Dec. 2; Gaz. vol. 197; p. 108.
- Marshall, Stephen M., Clinton, assignor to Rockwood Sprinkler Company of Massachusetts. Automatic sprinkler. No. 1,079,016; Nov. 18; Gaz. vol. 196; p. 676.
- Marshall, Thomas. (See Ruger, Durl P., assignor.)
- Marshall, Thomas C., Marshall, Mo. Fire-escape. No. 1,078,931; Nov. 18; Gaz. vol. 196; p. 645.
- Marshall, William E. and M., Maspeth, N. Y. Fluid-motor. No. 1,076,299; Oct. 21; Gaz. vol. 195; p. 643.
- Marshek, Frank F., Antigo, Wis. Axle steering-knuckle. No. 1,078,054; Nov. 11; Gaz. vol. 196; p. 311.
- Marston, Charles F., Great Neck, N. Y. Signal device for vehicles. No. 1,049,749; Jan. 7; Gaz. vol. 186; p. 146.
- Marston, Charles F., New York, N. Y. Signal device. No. 1,065,884; June 24; Gaz. vol. 191; p. 1026.
- Marston, Edgar L., Somerville, Mass. Nut. No. 1,069,451; Aug. 5; Gaz. vol. 193; p. 127.
- Marston, Edgar L., Somerville, assignor to C. J. Brown, Newton, Mass. Table-lock. No. 1,082,889; Dec. 30; Gaz. vol. 197; p. 1147.
- Martel, Adelard F., assignor of one-half to G. W. Gates, Burlingame, Cal. Mail-bag catching and delivering device. No. 1,065,822; June 24; Gaz. vol. 191; p. 1005.
- Martel, Gustave J., Chicago, Ill. Tire-patching device. No. 1,057,439; Apr. 1; Gaz. vol. 189; p. 16.
- Martel, Gustave J., Chicago, Ill. Tire-patching device. No. 1,057,440; Apr. 1; Gaz. vol. 189; p. 16.
- Martel, Gustave J., Chicago, Ill. Tire-patching device. No. 1,061,391; May 13; Gaz. vol. 190; p. 318.
- Martell, Louis H., assignor to The Metallic Packing and Manufacturing Company, Elyria, Ohio. Stuffing-box. No. 1,072,016; Sept. 2; Gaz. vol. 194; p. 119.
- Marten, Arthur F., Storm Lake, Iowa. Envelop-sealing machine. No. 1,055,199; Mar. 4; Gaz. vol. 188; p. 182.
- Marten, Henry F., H. Grahn, and J. C. Andresen, San Francisco, Cal. Automatic stove-equalizing machine. No. 1,062,175; May 20; Gaz. vol. 190; p. 625.
- Martens, John D., Swift Current, Saskatchewan, Canada. Agricultural implement. No. 1,078,792; Nov. 18; Gaz. vol. 196; p. 599.
- Marth, Charles J., assignor to Wayne Manufacturing Company, St. Louis, Mo. Gearing. No. 1,080,151; Dec. 2; Gaz. vol. 197; p. 82.
- Martignoni, Pasquale, and A. Jäger, Frankfort-on-the-Main, Germany. Die-stock. No. 1,061,485; May 13; Gaz. vol. 190; p. 352.
- Martijn, Hendrikus J. (See Van Calcar, Ellermann, and Martijn.)
- Martin, Albert. (See McMillan, Eugene C., assignor.)
- Martin, Arthur, assignor to The Van Dorn Iron Works Company, Cleveland, Ohio. Metallic shelving. No. 1,050,154; Jan. 14; Gaz. vol. 186; p. 317.
- Martin, Arthur T., Sac City, Iowa. Seed-corn rack. No. 1,071,670; Aug. 26; Gaz. vol. 193; p. 979.
- Martin, Calvin, Peabody, assignor to Carter Ticket Company, Boston, Mass. Numbering device. No. 1,062,783; May 27; Gaz. vol. 190; p. 868.
- Martin, Calvin, Peabody, assignor to Carter Ticket Company, Boston, Mass. Ticket-punching device. No. 1,063,562; June 3; Gaz. vol. 191; p. 133.
- Martin, Calvin, Peabody, assignor to Carter Ticket Company, Boston, Mass. Numbering device. No. 1,066,827; July 8; Gaz. vol. 192; p. 351.
- Martin, Calvin, Peabody, assignor to Carter Ticket Company, Boston, Mass. Adjustable inking-gear. No. 1,074,883; Oct. 7; Gaz. vol. 195; p. 100.
- Martin, Charles E., Louisville, Ky. Rain-shield for windows. No. 1,077,730; Nov. 4; Gaz. vol. 196; p. 167.
- Martin, Charles T., Jr., Wolcott, Ind. Railway-derailer. No. 1,081,543; Dec. 16; Gaz. vol. 197; p. 626.
- Martin, Charles W., Mattapan, Mass., assignor to United Shoe Machinery Company, Paterson, N. J. Sewing-machine needle. No. 1,060,107; Apr. 29; Gaz. vol. 189; p. 1085.
- Martin, Chester H. (See Fraser and Martin.)
- Martin, Clare W., Post Falls, Idaho. Wrench. No. 1,057,864; Apr. 1; Gaz. vol. 189; p. 161.
- Martin, Claude V., Zanesville, Ohio. Plummet-lamp. No. 1,052,075; Feb. 4; Gaz. vol. 187; p. 80.
- Martin, Daniel W., Washington Court-House, Ohio. Punctureless spring-tire. No. 1,069,452; Aug. 5; Gaz. vol. 193; p. 128.
- Martin, David L., and E. L. Flowers, assignors of one-fifth to J. L. Riddle, one-fifth to J. W. Blackwelder, and one-fifth to A. G. Bohannon, Hickory, N. C. Game-register. No. 1,073,262; Sept. 16; Gaz. vol. 194; p. 618.
- Martin, Douglas J., New York, N. Y. Tire-chain. No. 1,059,182; Apr. 15; Gaz. vol. 189; p. 698.
- Martin, Douglas J., New York, N. Y. Tire-chain. No. 1,059,183; Apr. 15; Gaz. vol. 189; p. 698.
- Martin, Earl, Charles City, Iowa. Hay-rack-removing appliance. No. 1,071,935; Sept. 2; Gaz. vol. 194; p. 92.
- Martin, Edgar R. (See Howell, Aaron A., assignor.)
- Martin, Edward H., Webster City, Iowa. Telephone metering system. No. 1,059,745; Apr. 22; Gaz. vol. 189; p. 924.
- Martin, Edward L. (See Dronsfield, Albert J., assignor.)
- Martin, Edward L., Lancaster, Pa. Shaker-grate. No. 1,052,493; Feb. 11; Gaz. vol. 187; p. 255.
- Martin, Emile, Grenoble, France. Lubricating device for plug-cocks. No. 1,069,156; Aug. 5; Gaz. vol. 193; p. 23.
- Martin, Enoch, Snyder, Tex. Flat-iron heater. No. 1,058,880; Apr. 15; Gaz. vol. 189; p. 594.
- Martin, Enoch, Snyder, Tex. Wire-splicer. No. 1,074,884; Oct. 7; Gaz. vol. 195; p. 100.
- Martin, Eva M., Meadville, Pa., assignor to The Spirella Company. Abdominal girdle. No. 1,082,204; Dec. 23; Gaz. vol. 197; p. 874.
- Martin, Felix P., Humboldt, Tenn. Stamp-canceling machine. No. 1,055,932; Mar. 11; Gaz. vol. 188; p. 465.
- Martin, Francis G. (See Finkenbinder and Martin.)
- Martin, Frank. (See Mauch and Martin.)
- Martin, Frank P., Williamsburg, Kans. Mold. No. 1,074,885; Oct. 7; Gaz. vol. 195; p. 100.
- Martin, Frederick W., Astoria, N. Y. Life-boat. No. 1,067,262; July 15; Gaz. vol. 192; p. 535.
- Martin, Frederick, Pomona, Cal. Electric vulcanizer. No. 1,073,263; Sept. 16; Gaz. vol. 194; p. 618.
- Martin, Frederick E., Bonami, La., assignor to Security Equipment Company. Retaining-valve. No. 1,076,135; Oct. 21; Gaz. vol. 195; p. 587.
- Martin, Frederick W., New York, N. Y. Axle-lubricator. No. 1,056,568; Mar. 18; Gaz. vol. 188; p. 718.
- Martin, Frederick W., New York, N. Y. Locomotive-grate shaker. No. 1,077,887; Nov. 4; Gaz. vol. 196; p. 221.
- Martin, Frederick W., New York, and J. L. Mohun, Brooklyn, N. Y., assignors of one-third to A. G. Elvin, Somerville, N. J. Locomotive-drifting-valve mechanism. No. 1,080,290; Dec. 2; Gaz. vol. 197; p. 130.
- Martin, George A., Toronto, Ontario, Canada, assignor of one-half to Gutta Percha and Rubber Manufacturing Company of Toronto, Limited. Mandrel for forming tubular rubber goods. No. 1,055,547; Mar. 11; Gaz. vol. 188; p. 336.
- Martin, George A., assignor to Dexter Folder Company, Pearl River, N. Y. Combination sheet-straightener and slow-down for feeders. No. 1,071,448; Aug. 26; Gaz. vol. 193; p. 907.
- Martin, George C., Los Angeles, Cal. Shock-absorber. No. 1,053,417; Feb. 18; Gaz. vol. 187; p. 615.
- Martin, George F., Monterey, Cal. Nut-lock. No. 1,052,838; Feb. 11; Gaz. vol. 187; p. 372.
- Martin, Grant S., Dexter, Mich. Egg-separator. No. 1,074,372; Sept. 30; Gaz. vol. 194; p. 1047.
- Martin, Harry J., Glidden, Iowa. Sash-fastener. No. 1,080,769; Dec. 9; Gaz. vol. 197; p. 327.
- Martin, Heinrich, Laibach, Austria-Hungary. Lubricating device. No. 1,078,449; Nov. 11; Gaz. vol. 196; p. 449.
- Martin, Henry C., Elkhart, Ind. Wind musical instrument. No. 1,071,526; Aug. 26; Gaz. vol. 193; p. 932.
- Martin, Henry G. (See Womble, Cornelious E., assignor.)
- Martin, Henry J., Brooklyn, N. Y., assignor to The Reece Button Hole Machine Company, Boston, Mass. Needle-setting device. No. 1,071,249; Aug. 26; Gaz. vol. 193; p. 841.
- Martin, Herbert C., Calgary, Alberta, Canada. Hat-pin. No. 1,059,550; Apr. 22; Gaz. vol. 189; p. 861.
- Martin, Hulda R., Baltimore, Md. Combined cuff and wristband for shirts. No. 1,052,158; Feb. 4; Gaz. vol. 187; p. 109.
- Martin, James D., assignor to Western Manufacturing Co., Oskaloosa, Iowa. Frost-proof hydrant. No. 1,050,033; Jan. 7; Gaz. vol. 186; p. 242.
- Martin, James E., Kensington, Minn. Type-writer cabinet. No. 1,064,511; June 10; Gaz. vol. 191; p. 494.
- Martin, James H., Springfield, Mo. Current-motor. No. 1,056,704; Mar. 18; Gaz. vol. 188; p. 763.
- Martin, James T., Fellows, Cal. Pipe-tongs. No. 1,078,932; Nov. 18; Gaz. vol. 196; p. 645.
- Martin, Jesse C., San Francisco, Cal., assignor to The Chicago Lubricator Company, Chicago, Ill. Flange-lubricating device. No. 1,058,675; Apr. 8; Gaz. vol. 189; p. 483.
- Martin, John C., Wyncote, Pa., assignor to The Curtis Publishing Company. Device for shipping rolls of paper. No. 1,068,066; July 22; Gaz. vol. 192; p. 841.
- Martin, John O., Lincoln, Ill. Coupling. No. 1,079,253; Nov. 18; Gaz. vol. 196; p. 756.
- Martin, Lewis, Roseland, Mo. Gate. No. 1,051,964; Feb. 4; Gaz. vol. 187; p. 41.

Alphabetical list of patentees—Continued.

- Martin, Luther J., Orange, Va. Cuff-protector and blotter. No. 1,054,584; Feb. 25; Gaz. vol. 187; p. 1050.
- Martin, Luther O., Parkersburg, W. Va. Internal-combustion engine. No. 1,073,770; Sept. 23; Gaz. vol. 194; p. 818.
- Martin Marine Life Saving Devices, The. (See Lewkowicz, Anthony J., assignor.)
- Martin, Max. (See Dahl and Martin.)
- Martin, Myron A., Chicago, Ill. Gasolene-supply apparatus. No. 1,052,935; Feb. 11; Gaz. vol. 187; p. 406.
- Martin, Nathan J. (See McCoig, Franklin P., assignor.)
- Martin, Percy L., Monroe, La. Device for gathering refuse. No. 1,053,418; Feb. 18; Gaz. vol. 187; p. 615.
- Martin, Richard P., Hunter, Okla. Skid. No. 1,076,593; Oct. 21; Gaz. vol. 195; p. 747.
- Martin, Samuel H., Brady, Tex. Insect or worm destroyer. No. 1,068,685; July 29; Gaz. vol. 192; p. 1093.
- Martin, Stephen G. (See Schaaf and Martin.)
- Martin, Thomas C., Nashville, Tenn. Trace-holder. No. 1,061,095; May 6; Gaz. vol. 190; p. 183.
- Martin, Thomas E. (See Starkey, William P., assignor.)
- Martin, Toussaint J., Escanaba, Mich. Display-stand. No. 1,065,381; June 24; Gaz. vol. 191; p. 855.
- Martin, Vol., Abilene, Tex. Spring-wheel. No. 1,069,624; Aug. 5; Gaz. vol. 193; p. 185.
- Martin, Welcome C., Chicago, Ill. Cue-tip machine. No. 1,053,193; Feb. 18; Gaz. vol. 187; p. 537.
- Martin, Welcome C., Chicago, Ill. Treating leather for the manufacture of cue-tips and the article produced thereby. No. 1,053,520; Feb. 18; Gaz. vol. 187; p. 651.
- Martin, William A., assignor of one-third to J. F. Phillips, one-third to G. L. Griffin, and one-sixth to T. B. Cridle, Waxahachie, Tex. Stalk-cutter. No. 1,079,505; Nov. 25; Gaz. vol. 196; p. 873.
- Martin, William A., and R. J. Coleman, Waxahachie, Tex.; said Martin assignor to said Coleman. Moldboard. No. 1,058,248; Apr. 8; Gaz. vol. 189; p. 337.
- Martin, William C., Boston, Mass. Valve. No. 1,057,757; Apr. 1; Gaz. vol. 189; p. 122.
- Martin, William E., assignor of one-half to M. E. Hartman, St. Paul, Minn. Accessory for automobiles. No. 1,067,934; July 22; Gaz. vol. 192; p. 796.
- Martin, William H., assignor of one-half to D. Newman, Ukiah, and one-half to M. P. Knapp, Yountsville, Cal. Insulator. No. 1,070,151; Aug. 12; Gaz. vol. 193; p. 395.
- Martin, William M., Redruth, England. Separation of complex ores. No. 1,066,828; July 8; Gaz. vol. 192; p. 351.
- Martin, William M., Redruth, England. Treating complex ores or their concentrates. No. 1,066,829; July 8; Gaz. vol. 192; p. 351.
- Martin, William M., Redruth, England. Treating complex ores or their concentrates. No. 1,066,830; July 8; Gaz. vol. 192; p. 352.
- Martin, William R., Idaho Falls, Idaho. Wind-wheel or propeller. No. 1,078,157; Nov. 11; Gaz. vol. 196; p. 345.
- Martindale, Frederick N., Spragueville, N. Y. Wrench. No. 1,072,479; Sept. 9; Gaz. vol. 194; p. 305.
- Martineau, Francis L. (See Hele-Shaw and Martineau.)
- Martineau, Francis L., London, England. Hydraulic steering-gear. No. 1,056,194; Mar. 18; Gaz. vol. 188; p. 588.
- Martineau, William C., assignor to Universal Car Seal & Appliance Co., Albany, N. Y. Seal-lock. No. 1,049,380; Jan. 7; Gaz. vol. 186; p. 21.
- Martineau, William C., assignor to Universal Car Seal & Appliance Co., Albany, N. Y. Seal-lock for sliding doors. No. 1,049,381; Jan. 7; Gaz. vol. 186; p. 21.
- Martinez, Victorino, Habana, Cuba. Nut-locking device. No. 1,064,977; June 17; Gaz. vol. 191; p. 685.
- Martini-Buchbinderei & Textilmaschinenfabrik A. G. (See Kugler, Friedrich, assignor.)
- Martini, Frederick W., Chicago, Ill. Electromagnet. No. 1,064,512; June 10; Gaz. vol. 191; p. 494.
- Martinolich, Nestore, Trieste, Austria-Hungary. System for handling life-boats. No. 1,070,621; Aug. 19; Gaz. vol. 193; p. 598.
- Martus, Andrew M. (See Zaberenas, Peter, assignor.)
- Martus, Bertram W. (See Martus, Martin L. and B. W.)
- Martus, Martin L., Waterbury, and B. W. Martus, New Haven, Conn. Milk-bottle holder. No. 1,053,103; Feb. 11; Gaz. vol. 187; p. 463.
- Marty, John M., Cleveland, Ohio. Panic-bolt. No. 1,067,997; July 22; Gaz. vol. 192; p. 817.
- Marty, John M., Cleveland, Ohio. Panic-bolt. No. 1,079,603; Nov. 25; Gaz. vol. 196; p. 909.
- Martyn, William C., St. Kilda, Victoria, Australia. Tractor. No. 1,068,598; July 29; Gaz. vol. 192; p. 1063.
- Martzloff, Charles E., and F. X. Marshall, Buffalo, N. Y., assignors to Climax Lock and Ventilator Company. Mail-box. No. 1,052,159; Feb. 4; Gaz. vol. 187; p. 109.
- Marui, Hyokichi, New York, N. Y. Hand-attached blotter. No. 1,081,053; Dec. 9; Gaz. vol. 197; p. 423.
- Marvell, Roy W., Baltimore, Md., assignor, by mesne assignments, to Lyon, Conklin & Company. Self-heating soldering-iron. No. 1,080,644; Dec. 9; Gaz. vol. 197; p. 283.
- Marvin, Arba B., *et al.* (See Vechinsky, Ladislaus J., assignor.)
- Marvin, Gilbert E., *et al.* (See Vechinsky, Ladislaus J., assignor.)
- Marvin, Ida S., Detroit, Mich. Funeral-car. No. 1,072,864; Sept. 9; Gaz. vol. 194; p. 439.
- Marvin, Lester E., Buffalo, N. Y. Safety device for preventing hot journals. No. 1,058,993; Apr. 15; Gaz. vol. 189; p. 633.
- Marvin, Ray G., Wilton, Wis. Ironing-table. No. 1,055,200; Mar. 4; Gaz. vol. 188; p. 183.
- Marx, Carl, Lambrecht, Germany. Textile-machine. No. 1,071,069; Aug. 26; Gaz. vol. 193; p. 780.
- Marx, George B. (See Putzel and Marx.)
- Marx, Gustave C., Elizabeth, N. J., assignor to Diehl Manufacturing Company. Electrical resistance device. No. 1,058,687; Apr. 8; Gaz. vol. 189; p. 487.
- Marx, Gustave C., and A. F. Becker, Elizabeth, N. J., assignors to Diehl Manufacturing Company. Electric fan. No. 1,081,244; Dec. 9; Gaz. vol. 197; p. 486.
- Marx, Henry J., Holyoke, assignor to Green & Hopson, Springfield, Mass. Stop-motion mechanism. No. 1,053,843; Feb. 18; Gaz. vol. 187; p. 759.
- Marx, Joseph A., Saginaw, Mich. Toy. No. 1,083,117; Dec. 30; Gaz. vol. 197; p. 1222.
- Marx, Joseph A., Saginaw, assignor to The Business Men's Paper Press Co., Wayland, Mich. Baling-press. No. 1,049,889; Jan. 7; Gaz. vol. 186; p. 193.
- Marx, Mathias, Neillsville, Wis. Holdback. No. 1,063,457; June 3; Gaz. vol. 191; p. 96.
- Marx, Mathias, Neillsville, Wis. Hame. No. 1,068,514; July 29; Gaz. vol. 192; p. 1034.
- Marx, Monroe L., San Francisco, Cal., assignor of one-half to M. L. Hanline, Baltimore, Md. Handle for canes or umbrellas. No. 1,066,433; July 1; Gaz. vol. 192; p. 183.
- Marx, Morris M., New York, N. Y. Third-rail electric railway system. No. 1,063,206; June 3; Gaz. vol. 191; p. 13.
- Marx, Richard, assignor to Defiance Manufacturing Company, Philadelphia, Pa. Controller-regulator. No. 1,074,512; Sept. 30; Gaz. vol. 194; p. 1091.
- Marx, Robert J. (See De Cew and Marx.)
- Marysville Cabinet Company, The. (See Pooler, Bainer, and Elliott, assignors.)
- Mascari, Joseph, Memphis, Tenn. Vehicle-fender. No. 1,079,872; Nov. 25; Gaz. vol. 196; p. 1002.
- Maschinenfabrik Augsburg-Nürnberg A. G. (See Bader, Emil, assignor.)
- Maschinenfabrik Augsburg-Nürnberg A. G. (See Baumann, August, assignor.)
- Maschinenfabrik Augsburg-Nürnberg A. G. (See Höchner, Hans, assignor.)
- Maschinenfabrik Augsburg-Nürnberg, Aktiengesellschaft. (See Ebermann, Ludwig T., assignor.)
- Maschinenfabrik Moenus A.-G. (See Bohacek, Paul, assignor.)
- Maschinenfabrik Moenus A. G. (See Crain and Scharhag, assignors.)
- Maschinenfabrik Moenus A. G. (See Heldmann, Peter, assignor.)
- Mascord, George W., Barnes, London, England. Adjustable bearing for rotary-cylinder machines. No. 1,063,811; June 3; Gaz. vol. 191; p. 221.
- Masck, John F., New York, N. Y. Net. No. 1,074,276; Sept. 30; Gaz. vol. 194; p. 1015.
- Mashbir, Marcus, West Hoboken, N. J. Sewing-machine finger-protector. No. 1,069,967; Aug. 12; Gaz. vol. 193; p. 331.
- Masior, Stanislaus J., *et al.* (See Gagatsek, Andrew P., assignor.)
- Masko, Junji, Indianapolis, Ind. Folding dark-room. No. 1,074,373; Sept. 30; Gaz. vol. 194; p. 1047.
- Maskrey, Arthur J. (See Carnahan and Maskrey.)
- Maskrey, George W., Willow River, Minn. Railway-tie. No. 1,074,636; Oct. 7; Gaz. vol. 195; p. 17.
- Masland, Charles W., Oak Lane, Pa., assignor to C. H. Masland and Sons, Incorporated. Machine for ironing rug-seams. No. 1,051,608; Jan. 28; Gaz. vol. 186; p. 883.
- Masland, Walter E., assignor to E. I. du Pont de Nemours Powder Company, Wilmington, Del. Acetylation of monochlorohydrocarbons. No. 1,077,988; Nov. 11; Gaz. vol. 196; p. 288.
- Masland, Walter E., assignor to E. I. du Pont de Nemours Powder Company, Wilmington, Del. Production of solvents by use of halogen compounds. No. 1,082,543; Dec. 30; Gaz. vol. 197; p. 1024.
- Maslé, Anton, Laibach, Austria-Hungary. Device for use in dressing the hair. No. 1,078,055; Nov. 11; Gaz. vol. 196; p. 311.
- Maslin, Emile, L'Estaque, France. Inexplosive steam-boiler. No. 1,059,481; Apr. 22; Gaz. vol. 189; p. 838.
- Mason, Arthur J. (See Hoover and Mason.)
- Mason, Charles, and R. J. McKissick, Dugger, Ind. Plasterer's trowel. No. 1,055,406; Mar. 11; Gaz. vol. 188; p. 289.
- Mason, Charles A., Juniata, Pa. Burial-vault. No. 1,060,849; May 6; Gaz. vol. 190; p. 99.

Alphabetical list of patentees—Continued.

- Mason, Charles A., Baltimore, Md. Dispensing-can. No. 1,079,710; Nov. 25; Gaz. vol. 196; p. 943.
- Mason, Charles H., Cranston, assignor to Theodore W. Foster & Brother Company, Providence, R. I. Watch-holder attachment for bracelets. No. 1,071,250; Aug. 26; Gaz. vol. 193; p. 841.
- Mason, Charles O., Texhoma, Okla. Horse-releaser. No. 1,058,448; Apr. 8; Gaz. vol. 189; p. 408.
- Mason, Charles T., Sumter, S. C. Ignition system. No. 1,051,425; Jan. 28; Gaz. vol. 186; p. 821.
- Mason, Charles T., Sumter, S. C., assignor to Sumter Electrical Company. Ignition-dynamo. No. 1,081,760; Dec. 16; Gaz. vol. 197; p. 695.
- Mason, Fred H., and J. Allen, Scranton, Pa. Separating mechanism. No. 1,080,467; Dec. 2; Gaz. vol. 197; p. 192.
- Mason, Frederic S. (See Kendall, William G., assignor.)
- Mason, Frederick, Attleboro, Mass. Bracelet. No. 1,051,903; Feb. 4; Gaz. vol. 187; p. 19.
- Mason, Frederick G. (See Johnson and Mason.)
- Mason, George, *et al.* (See Hatch, William, assignor.)
- Mason, George N., assignor to Reading Hardware Company, Reading, Pa. Reversible store-door lock. No. 1,058,613; Apr. 8; Gaz. vol. 189; p. 462.
- Mason, George N., assignor to Reading Hardware Company, Reading, Pa. Vestibule-latch. No. 1,062,176; May 20; Gaz. vol. 190; p. 626.
- Mason, George N., Mount Penn, assignor to Reading Hardware Company, Reading, Pa. Turn-knob plate. No. 1,066,131; July 1; Gaz. vol. 192; p. 80.
- Mason, Harry R. (See Lamb, Burt I., assignor.)
- Mason, Henry T., Detroit, Mich. Plug for boiler-tubes or hollow shafting. No. 1,068,793; July 29; Gaz. vol. 192; p. 1132.
- Mason, Howard L., *et al.* (See Buckeye, George J., assignor.)
- Mason, Isaac, and J. J. McIntyre, New York, N. Y. Convertible bed and couch. No. 1,057,352; Mar. 25; Gaz. vol. 188; p. 1014.
- Mason, Isaac G. (See Russell and Mason.)
- Mason, James. (See Master, James W., assignor.)
- Mason, James E., Lock Haven, Pa. Combination blotter and pencil-holder and ruler. No. 1,054,128; Feb. 25; Gaz. vol. 187; p. 893.
- Mason, James M., Jr., Charlestown, W. Va. Drinking-fountain for fowls. No. 1,072,344; Sept. 2; Gaz. vol. 194; p. 227.
- Mason, John T., Kewanee, Ill. Automatic nest-box. No. 1,068,794; July 29; Gaz. vol. 192; p. 1132.
- Mason, Lynn P., Conewango Valley, N. Y. Suspenders. No. 1,079,784; Nov. 25; Gaz. vol. 196; p. 973.
- Mason, Orlando P., Bellaire, Ohio. Letter-box. No. 1,056,430; Mar. 18; Gaz. vol. 188; p. 668.
- Mason, Orson H., Los Angeles, Cal. Giant-stride. No. 1,073,918; Sept. 23; Gaz. vol. 194; p. 867.
- Mason, Peter G., South Pasadena, Cal. Adjustable shelf-bracket. No. 1,055,201; Mar. 4; Gaz. vol. 188; p. 183.
- Mason, Richard, *et al.* (See Hatch, William, assignor.)
- Mason, Richard F., assignor of eighty-five one-hundredths to C. A. Divine, Bishopville, S. C. Sign. No. 1,080,358; Dec. 2; Gaz. vol. 197; p. 156.
- Mason, Thomas B., Trenton, N. J. Street-cleaner's cart. No. 1,079,785; Nov. 25; Gaz. vol. 196; p. 973.
- Mason, Wesley W., Baltimore, Md. Treating cork for bottle-seals. No. 1,059,057; Apr. 15; Gaz. vol. 189; p. 655.
- Mason, William, Pawtucket, R. I. Butt-gage. No. 1,050,155; Jan. 14; Gaz. vol. 186; p. 318.
- Masor, Daniel, New York, N. Y. Expansion-bolt. No. 1,066,512; July 8; Gaz. vol. 192; p. 241.
- Masor, Daniel, New York, N. Y. Expansion-bolt. No. 1,072,246; Sept. 2; Gaz. vol. 194; p. 195.
- Masow, Frank H., San Francisco, Cal. Reinforced-concrete railway-tie. No. 1,051,341; Jan. 21; Gaz. vol. 186; p. 758.
- Masow, Frank H., San Francisco, Cal. Nut-lock. No. 1,053,104; Feb. 11; Gaz. vol. 187; p. 464.
- Mass, Theodore, *et al.* (See Winkler, Oscar S., assignor.)
- Massachusetts Chemical Company. (See Moulton, James N., assignor.)
- Massé, Isidor, New York, N. Y. Package of Camembert cheese. No. 1,054,433; Feb. 25; Gaz. vol. 187; p. 999.
- Massey, Charles F., Chicago, Ill. Battery-well. No. 1,060,346; Apr. 29; Gaz. vol. 189; p. 1171.
- Massey, Charles F., Chicago, Ill. Railway-booth. No. 1,060,347; Apr. 29; Gaz. vol. 189; p. 1171.
- Massey, Charles F., Chicago, Ill. Railway-signal post. No. 1,070,504; Aug. 19; Gaz. vol. 193; p. 559.
- Massey-Harris Co., Ltd. (See Jones and Verity, assignors.)
- Massey, Harry W., Bessemer, Ala. Check-valve. No. 1,077,415; Nov. 4; Gaz. vol. 196; p. 62.
- Massey, Homer E., Springfield, Mo. Credit-accounting appliance. No. 1,074,886; Oct. 7; Gaz. vol. 195; p. 101.
- Massey, James B., Odessa, Tex. Pump-rod coupling. No. 1,067,998; July 22; Gaz. vol. 192; p. 817.
- Massey, Sanford W., South Bellingham, Wash. Cutter and slicer. No. 1,074,637; Oct. 7; Gaz. vol. 195; p. 17.
- Massie, John G., East St. Louis, Ill. Coffin. No. 1,068,795; July 29; Gaz. vol. 192; p. 1132.
- Massie, Nicholas. (See Baum and Massie.)
- Massip, Georges, Levallois-Perret, France. Electric furnace. No. 1,080,840; Dec. 9; Gaz. vol. 197; p. 354.
- Masson, Baptiste A., New Castle, Pa. Watch-display case. No. 1,051,544; Dec. 16; Gaz. vol. 197; p. 626.
- Master Builders Company, The. (See Flesheim, Sylvester W., assignor.) (Reissue.)
- Master, James W., assignor of one-third to B. H. Howard, San Diego, Cal. Valve. No. 1,063,988; June 10; Gaz. vol. 191; p. 314.
- Master, James W., assignor of one-half to J. Mason, San Diego, Cal. Life-preserver. No. 1,082,698; Dec. 30; Gaz. vol. 197; p. 1080.
- Masters, David H., and A. L. Clark, Gila, N. Mex. Fire-arm-sight. No. 1,063,712; June 3; Gaz. vol. 191; p. 189.
- Mastin, Albert E., Sacramento, Cal. Electric heating-stove. No. 1,049,750; Jan. 7; Gaz. vol. 186; p. 147.
- Matalene, Henry W., New York, N. Y. Bracelet-watch. No. 1,050,221; Jan. 14; Gaz. vol. 186; p. 339.
- Matalene, Henry W., New York, N. Y. Clock for automobiles or the like. No. 1,050,963; Jan. 21; Gaz. vol. 186; p. 631.
- Matalene, Henry W., New York, N. Y. Clock for automobiles or the like. No. 1,050,964; Jan. 21; Gaz. vol. 186; p. 631.
- Matalene, Henry W., New York, N. Y. Pendant and bow construction for watches and the like. No. 1,050,965; Jan. 21; Gaz. vol. 186; p. 632.
- Matany, Joseph, East Toledo, Ohio. Burglar apparatus. No. 1,057,252; Mar. 25; Gaz. vol. 188; p. 983.
- Match Saver Company. (See Cheape, John A., assignor.)
- Matchette, Frank J. (See Van Ness, Frank W., assignor.)
- Matchette, Frank J., Milwaukee, Wis. Squeegee. No. 1,057,253; Mar. 25; Gaz. vol. 188; p. 983.
- Matchette, Frank J., Milwaukee, Wis. Automatic vacuum-governor. No. 1,071,936; Sept. 2; Gaz. vol. 194; p. 92.
- Matchette, Frank J., and C. Moukos, assignors to American Air Cleaning Company, Milwaukee, Wis. Carpet-cleaner. No. 1,055,771; Mar. 11; Gaz. vol. 188; p. 412.
- Mateer, Jesse E., Wilkinsburg, assignor, by mesne assignments, to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Insulator. No. 1,078,633; Nov. 18; Gaz. vol. 196; p. 541.
- Mates, James. (See Broadbent and Mates.)
- Matey, Frank J., Galesburg, Ill. Gate. No. 1,076,300; Oct. 21; Gaz. vol. 195; p. 643.
- Mather, Alonzo C., Chicago, Ill. Tire for vehicle-wheels. No. 1,050,674; Jan. 14; Gaz. vol. 186; p. 495.
- Mather, Harold, Foxcroft, Me. Piano. No. 1,079,711; Nov. 25; Gaz. vol. 196; p. 944.
- Mathers, Ezra A., Greensburg, Pa. Sprinkling apparatus. No. 1,068,796; July 29; Gaz. vol. 192; p. 1133.
- Mathers, Ezra A., Greensburg, Pa. Sprinkling apparatus. No. 1,068,797; July 29; Gaz. vol. 192; p. 1133.
- Mathers, Joseph, New York, N. Y. Buckle-attaching machine. No. 1,065,699; June 24; Gaz. vol. 191; p. 964.
- Mathes, Walter S. (See Walker and Mathes.)
- Mathesius, Walther, and M. Freiburger, Charlottenburg, Germany. Bleaching. No. 1,061,392; May 13; Gaz. vol. 190; p. 318.
- Mathesius, Walther, and M. Freiburger, Charlottenburg, Germany. Apparatus for treating fabric with liquids. No. 1,062,245; May 20; Gaz. vol. 190; p. 650.
- Matheson, George A., Vancouver, British Columbia, Canada. Machine for turning over ground. No. 1,073,999; Sept. 23; Gaz. vol. 194; p. 895.
- Matheson, John N., *et al.* (See Galopin, Henri, assignor.)
- Matheson, John W., Amarillo, Tex. Door-hanger. No. 1,051,426; Jan. 28; Gaz. vol. 186; p. 821.
- Matheson, Robert S., Lingayen, Philippine Islands. Lamp attachment for automobiles. No. 1,065,700; June 24; Gaz. vol. 191; p. 964.
- Matheus, Karl, Chicago, Ill. Tube-cleaning machine. No. 1,082,544; Dec. 30; Gaz. vol. 197; p. 1024.
- Mathews, Andrew J., Clarinda, Iowa. Automatic wagon-brake. No. 1,051,506; Jan. 28; Gaz. vol. 186; p. 848.
- Mathews, Clarence L., Colton, Cal. Setting device. No. 1,064,354; June 10; Gaz. vol. 191; p. 439.
- Mathews, John, *et al.* (See West, Owen A., assignor.)
- Mathews, Joseph, Plymouth, Pa. Belt-fastener. No. 1,052,936; Feb. 11; Gaz. vol. 187; p. 406.
- Mathews, Louis T., San Antonio, assignor to S. D. Mathews, Fort Worth, Tex. Register and change-turner. No. 1,052,494; Feb. 11; Gaz. vol. 187; p. 255.
- Mathews, S. D. (See Mathews, Louis T., assignor.)
- Mathews, Samuel J., Kansas City, Mo. Well-drilling gear. No. 1,077,620; Nov. 4; Gaz. vol. 196; p. 131.
- Mathias, Thomas H., Buffalo, assignor to Lackawanna Steel Company, Lackawanna, N. Y. Rolling deep-flanged shapes. No. 1,082,756; Dec. 30; Gaz. vol. 197; p. 1101.
- Mathiesen, Marius, San Antonio, Tex. Spring-wheel. No. 1,052,681; Feb. 11; Gaz. vol. 187; p. 318.
- Mathieu, George, assignor of one-half to A. L. Audet, Fall River, Mass. Shuttle. No. 1,058,614; Apr. 8; Gaz. vol. 189; p. 462.
- Mathis, August, Chicago, Ill. Marine-engine exhaust. No. 1,054,801; Feb. 25; Gaz. vol. 187; p. 951.
- Mathis Brothers Company, The. (See Rogers, Charles W., assignor.)

Alphabetical list of patentees—Continued.

- Mathis, Ellis, Farmington, Ill. Horse-collar. No. 1,074,887; Oct. 7; Gaz. vol. 195; p. 101.
- Mathis Subsoiler Attachment Company. (See Mathis, William R., assignor.)
- Mathis, William R., assignor to Mathis Subsoiler Attachment Company, New Boston, Tex. Subsoil attachment for plows. No. 1,075,585; Oct. 14; Gaz. vol. 195; p. 371.
- Matitsch, August, Nottingham, England, assignor to M. Faber & Co., Vienna, Austria-Hungary. Thread-tensioning device for machines for the manufacture of pillow-lace. No. 1,068,515; July 29; Gaz. vol. 192; p. 1034.
- Matkovic, John, Michel, British Columbia, Canada. Joint. No. 1,065,701; June 24; Gaz. vol. 191; p. 965.
- Matlack, Minnie F., Louisville, Ky. Life-buoy. No. 1,081,849; Dec. 16; Gaz. vol. 197; p. 728.
- Matlock, Charles H., Emden, Ill. Gate. No. 1,069,157; Aug. 5; Gaz. vol. 193; p. 23.
- Matricardi, Giuseppe, Pallanza, Italy, assignor to Société Harlé & Cie., Paris, France. Rope for haulage and other purposes. No. 1,061,252; May 6; Gaz. vol. 190; p. 236.
- Matross, Barnett. (See Hannis, Charles M., assignor.)
- Matschke, Julius, Berlin-Tegel, Germany. Plug-cock. No. 1,067,747; July 15; Gaz. vol. 192; p. 700.
- Matsen, Charles, *et al.* (See Buttsov, George P., assignor.)
- Matsler, Benjamin T. (See Matsler, James M. and B. T.)
- Matsler, James M. and B. T., Chappel, Tex. Mechanism for signaling track conditions. No. 1,062,022; May 20; Gaz. vol. 190; p. 573.
- Matson, Carl A., Lynn, assignor of one-half to A. M. Hoyt, Swampscott, Mass. Sectional heel-edge finishing and burnishing tool. No. 1,079,017; Nov. 18; Gaz. vol. 196; p. 677.
- Matson, Theodore. (See Engdahl and Matson.)
- Mattatuck Manufacturing Company, The. (See Bigelow, George E., assignor.)
- Mattern, Ernest O., assignor of one-half to O. H. Mattern, Portland, Oreg. Toric-lens-grinding machine. No. 1,065,154; June 17; Gaz. vol. 191; p. 741.
- Mattern, Otto H. (See Mattern, Ernest O., assignor.)
- Matters, Richard H., Pittsburgh, Pa. Expandible metallic packing. No. 1,053,194; Feb. 18; Gaz. vol. 187; p. 537.
- Mattes, Jacob. (See Carduck and Mattes.)
- Mattes, Max H., New York, N. Y. Combined wind and stringed instrument. No. 1,070,974; Aug. 19; Gaz. vol. 193; p. 713.
- Matteson, Harry E., Maud, assignor of one-half to C. W. Friend, Tecumseh, Okla. Bridge. No. 1,067,616; July 15; Gaz. vol. 192; p. 655.
- Matteson, Rufus S., Providence, R. I. Thread-gulde support for spinning or twisting machines. No. 1,064,234; June 10; Gaz. vol. 191; p. 399.
- Matteson, Rufus S., Providence, R. I. Device for automatically clutching bobbins to spindles of spinning and twisting machines. No. 1,072,345; Sept. 2; Gaz. vol. 194; p. 227.
- Matteson, William. (See Nelson, Charles C., assignor.)
- Matthes, Clara E., Joliet, Ill. Hose-supporter. No. 1,076,136; Oct. 21; Gaz. vol. 195; p. 587.
- Mattheus, Harry E., Birmingham, Ala. Tool-holder. No. 1,063,050; May 27; Gaz. vol. 190; p. 956.
- Matthew, Amos H., assignor of one-third to D. Meikel and one-third to T. W. Crandall, Colville, Wash. Meat-clamp. No. 1,072,966; Sept. 9; Gaz. vol. 194; p. 478.
- Matthew Harvey and Company Limited. (See Cubley, Harold, assignor.)
- Matthew, William H., Zanesville, Ohio. Drier. No. 1,073,151; Sept. 16; Gaz. vol. 194; p. 577.
- Matthews, Basil W., Newark, N. J. Shock-absorber. No. 1,054,010; Feb. 25; Gaz. vol. 187; p. 853.
- Matthews, Charles J., and J. C. Potter, Eastbourne, England; said Matthews assignor to said Potter. Apparatus for filling bottles and other receptacles with liquids. No. 1,076,776; Oct. 28; Gaz. vol. 195; p. 865.
- Matthews-Davis Tool Company. (See Davis, Emery E., assignor.)
- Matthews, Edwin S., New York, N. Y., assignor to Otis Elevator Company, Jersey City, N. J. Speed-regulator for traction-elevators. No. 1,072,138; Sept. 2; Gaz. vol. 194; p. 161.
- Matthews, James H., assignor to Jas. H. Matthews & Co., Pittsburgh, Pa. Die. No. 1,078,601; Nov. 11; Gaz. vol. 196; p. 499.
- Matthews, James H., and J. Stein, assignors to Jas. H. Matthews & Co., Pittsburgh, Pa. Stamp. No. 1,081,394; Dec. 16; Gaz. vol. 197; p. 575.
- Matthews, John D., Wood River, Nebr. Machine for making cement blocks. No. 1,049,505; Jan. 7; Gaz. vol. 186; p. 62.
- Matthews, Joseph, and E. W. Freeman, assignors of one-third to A. F. Daubert, Philadelphia, Pa. Sash construction. No. 1,054,585; Feb. 25; Gaz. vol. 187; p. 1050.
- Matthews, Luther A., *et al.* (See Jarman, George R., assignor.)
- Matthews, Newton, Fullerton, Cal. Beehive. No. 1,080,152; Dec. 2; Gaz. vol. 197; p. 82.
- Matthews, Robert A., Greenfield, Ohio. Paper-hanger's paste-bucket. No. 1,065,823; June 24; Gaz. vol. 191; p. 1005.
- Matthews, Sherman, New York, N. Y. Automobile-heater. No. 1,068,516; July 29; Gaz. vol. 192; p. 1035.
- Matthews, Stephen C., St. John, New Brunswick, Canada. Educational device. No. 1,071,358; Aug. 26; Gaz. vol. 193; p. 877.
- Matthews, Thomas, Brooklyn, N. Y. Life-saving suit. No. 1,082,643; Dec. 30; Gaz. vol. 197; p. 1061.
- Matthews, Thomas A., Nashville, Tenn. Delivery-cabinet. No. 1,060,007; Apr. 29; Gaz. vol. 189; p. 1053.
- Matthews, Thomas R., *et al.* (See Jarman, George R., assignor.)
- Matthews, William A., *et al.* (See Jarman, George R., assignor.)
- Matthews, William A. (See King, Joseph S., assignor.)
- Matthews, William A., Baltimore, Md. Confectionery-box. No. 1,075,839; Oct. 14; Gaz. vol. 195; p. 458.
- Matthews, William H., assignor of one-half to R. D. Funkhouser, Dayton, Ohio. Adjustable hose-holder. No. 1,080,770; Dec. 9; Gaz. vol. 197; p. 328.
- Matthews, William O. B., Philadelphia, assignor of one-half to C. O. Kruger, Abington, Pa. Locking-lid for water or gas main stop-boxes. No. 1,054,782; Mar. 4; Gaz. vol. 188; p. 45.
- Mattl, Max R., Falun, Sweden. Oil-engine. No. 1,074,000; Sept. 23; Gaz. vol. 194; p. 895.
- Mattice, John H., Clyde, Kans. Signal system. No. 1,070,505; Aug. 19; Gaz. vol. 193; p. 559.
- Mattingly, Charles E., and M. L. Graves, Cape Girardeau, Mo. Automatic safety-valve for water-gages. No. 1,060,472; Apr. 29; Gaz. vol. 189; p. 1214.
- Mattison, James D., Holyoke, Mass. Forming-machine. No. 1,080,359; Dec. 2; Gaz. vol. 197; p. 156.
- Mattison, James D., Orange, N. J. Forming-machine. No. 1,080,360; Dec. 2; Gaz. vol. 197; p. 156.
- Mattler, Alice E., Detroit, Mich. Adjustable foot-bandage. No. 1,050,482; Jan. 14; Gaz. vol. 186; p. 432.
- Matton, Frederick V., Atlantic City, assignor to Camden Iron Works, Camden, N. J. Gas-producer. No. 1,053,737; Feb. 18; Gaz. vol. 187; p. 726.
- Mattox, Charles C., Laurelville, Ohio. Ash-pan for locomotives. No. 1,057,758; Apr. 1; Gaz. vol. 189; p. 123.
- Mattox, Louis S., Plainfield, N. J. Train-controller. No. 1,060,473; Apr. 29; Gaz. vol. 189; p. 1214.
- Mattson, Emil, Des Moines, Iowa. Vending-meter. No. 1,054,012; Feb. 25; Gaz. vol. 187; p. 854.
- Mattson, Samuel, New York, N. Y. Air-lock for caissons. No. 1,049,888; Jan. 7; Gaz. vol. 186; p. 193.
- Matushak, Joseph, Wallington, assignor of one-half to F. J. Steyskal, Passaic, N. J. Doll-carriage. No. 1,058,881; Apr. 15; Gaz. vol. 189; p. 594.
- Matzdorf, Aaron. (See Major, Wilfred, assignor.)
- Maubert, Arthur L., Gretna, La. Rail-joint. No. 1,064,355; June 10; Gaz. vol. 191; p. 439.
- Maublane, Léon, and N. Lallié, Nantes, France. Ship-propeller. No. 1,074,513; Sept. 30; Gaz. vol. 194; p. 1091.
- Mauborgne, Francis J., New York, N. Y. Carding-machine. No. 1,050,966; Jan. 21; Gaz. vol. 186; p. 632.
- Mauborgne, Francis J., New York, N. Y. Treating cotton. No. 1,056,195; Mar. 18; Gaz. vol. 188; p. 589.
- Mauch, John D., and F. Martin, Rib Lake, Wis. Means for supporting and releasing retaining-stakes. No. 1,083,118; Dec. 30; Gaz. vol. 197; p. 1222.
- Maughmer, John W., and R. O. Aikman, Hume, Ill. Tractor. No. 1,068,517; July 29; Gaz. vol. 192; p. 1035.
- Maul, Henry C., assignor to The Michigan Stove Company, Detroit, Mich. Gas-stove-oven bottom. No. 1,079,356; Nov. 25; Gaz. vol. 196; p. 822.
- Maul, William H. (See Maul, William R. and W. H.)
- Maul, William R. and W. H., York, Pa. Steering-sled. No. 1,052,734; Feb. 11; Gaz. vol. 187; p. 333.
- Mauldin, James L., assignor to The Electric Meat Curing Company, Cleveland, Ohio. Preserving apparatus. No. 1,057,567; Apr. 1; Gaz. vol. 189; p. 58.
- Maule, Archie G., South St. Paul, Minn. Automatic hose-coupling. No. 1,059,308; Apr. 15; Gaz. vol. 189; p. 741.
- Maulion, George, New York, N. Y. Lamp-shade. No. 1,070,710; Aug. 19; Gaz. vol. 193; p. 628.
- Maupai, Eugene L., New York, N. Y. Skein-silk-dyeing apparatus. No. 1,051,342; Jan. 21; Gaz. vol. 186; p. 759.
- Maurer, Adolf, assignor to Enbolithwerke A. G. M. Olten, Olten, Switzerland. Securing or fixing machines and other objects to floors and other places. No. 1,077,200; Oct. 28; Gaz. vol. 195; p. 1007.
- Maurer, Herman W., assignor of one-half to H. E. Mills, Jr., Cleveland, Ohio. Antiskidding device. No. 1,049,751; Jan. 7; Gaz. vol. 186; p. 147.
- Maurer, Richard. (See Winarsky, Edmund, assignor.)
- Mauro, Antonino, F., and B., New York, N. Y. Piano with transposing-keyboard. No. 1,071,767; Sept. 2; Gaz. vol. 194; p. 34.
- Mauro, Benedetto. (See Mauro, Antonino, F., and B.)
- Mauro, Filippo. (See Mauro, Antonino, F., and B.)
- Maury, Alfred D., Ilion, N. Y., assignor, by mesne assignments, to Union Typewriter Company, Jersey City, N. J. Type-writing machine. No. 1,052,160; Feb. 4; Gaz. vol. 187; p. 110.

Alphabetical list of patentees—Continued.

- Mauser, Paul, Oberndorf-on-the-Neckar, Germany. Small-arm bullet. No. 1,053,844; Feb. 18; Gaz. vol. 187; p. 760.
- Mauser, Paul, Oberndorf-on-the-Neckar, Germany. Pistol-bullet. No. 1,053,845; Feb. 18; Gaz. vol. 187; p. 760.
- Mauser, Paul, Oberndorf-on-the-Neckar, Germany. Trigger mechanism for automatic or self-loading small-arms. No. 1,081,761; Dec. 16; Gaz. vol. 197; p. 696.
- Mavor, Henry A. (See Reid and Mavor.)
- Mavor, Henry A., Glasgow, Scotland. Power installation for the propulsion of marine vessels and for other purposes. No. 1,071,070; Aug. 26; Gaz. vol. 193; p. 780.
- Maxcy, Eldridge Q., Belden, Miss. Neck-yoke fastener. No. 1,053,620; Feb. 18; Gaz. vol. 187; p. 684.
- Maxfield, Charles A., assignor of one-fourth to G. A. McVay, one-fourth to J. O. Long, and one-fourth to C. E. Long, St. Joseph, Mo. Clothes-line housing and automatic reel combined. No. 1,066,132; July 1; Gaz. vol. 192; p. 81.
- Maxfield, John D., Hemet, Cal. Auxiliary steering-gear for vehicles. No. 1,054,975; Mar. 4; Gaz. vol. 188; p. 109.
- Maxfield, Nelson, Malone, Tex. Lamp-adjusting mechanism. No. 1,074,186; Sept. 30; Gaz. vol. 194; p. 985.
- Maxfield, Rowland H., Kings Valley, Oreg. Vehicle-brake. No. 1,081,850; Dec. 16; Gaz. vol. 197; p. 728.
- Maxim, Hiram P., Hartford, Conn. Firearm. No. 1,054,434; Feb. 25; Gaz. vol. 187; p. 999.
- Maxim, Hiram P., Hartford, Conn. Silencer for gas-engines, &c. No. 1,060,925; May 6; Gaz. vol. 190; p. 125.
- Maxim, Hiram P., Hartford, Conn., assignor to The Waverley Company, Indianapolis, Ind. Control-lever lock for motor-vehicles. No. 1,057,865; Apr. 1; Gaz. vol. 189; p. 161.
- Maxim, Hiram S., Streatham, London, assignor to Vickers Limited, Westminster, England. Bomb for use with aeroplanes and other flying-machines. No. 1,052,606; Feb. 11; Gaz. vol. 187; p. 292.
- Maxim, Hiram S., Streatham, London, assignor to Vickers Limited, Westminster, England. Flying-machine bomb. No. 1,077,991; Nov. 11; Gaz. vol. 196; p. 289.
- Maxim, Hiram S., Streatham, London, assignor to Vickers Limited, Westminster, England. Bomb for use with aeroplanes and other flying-machines. No. 1,078,298; Nov. 11; Gaz. vol. 196; p. 395.
- Maxim, Hiram S., London, assignor to Vickers Limited, Westminster, England. Bomb for use in connection with aeroplanes or flying-machines. No. 1,077,989; Nov. 11; Gaz. vol. 196; p. 288.
- Maxim, Hiram S., London, assignor to Vickers Limited, Westminster, England. Bomb for use with aeroplanes and other flying-machines. No. 1,077,990; Nov. 11; Gaz. vol. 196; p. 289.
- Maximilian, Ferdinand, Cliffside Park, N. J., assignor to J. Kahn, New York, N. Y. Mitering-machine. No. 1,083,119; Dec. 30; Gaz. vol. 197; p. 1223.
- Maximilian, Max, assignor to J. B. Porter, Buffalo, N. Y. Check-valve. No. 1,063,131; May 27; Gaz. vol. 190; p. 983.
- Maxon, Charles T. (See Wharran and Maxon.)
- Maxwell, Benjamin V., Washington, D. C., and L. A. Nickerson, Philadelphia, Pa. Repair-tool. No. 1,074,058; Sept. 23; Gaz. vol. 194; p. 913.
- Maxwell, Bert C., Canton, Ohio. Account-cabinet. No. 1,074,964; Oct. 7; Gaz. vol. 195; p. 127.
- Maxwell, Erastus M. and J. F., Cardinal, Va. Metal-sheet-folding machine. No. 1,078,740; Nov. 18; Gaz. vol. 196; p. 579.
- Maxwell, David, Detroit, Mich., assignor to The Liquid Forged Steel Company, Cleveland, Ohio. Making castings. No. 1,062,287; May 20; Gaz. vol. 190; p. 663.
- Maxwell, David, Detroit, Mich., assignor to The Liquid Forged Steel Company, Cleveland, Ohio. Apparatus for treating castings. No. 1,062,288; May 20; Gaz. vol. 190; p. 664.
- Maxwell, David, Detroit, Mich., assignor to The Liquid Forged Steel Company, Cleveland, Ohio. Apparatus for making castings. No. 1,062,289; May 20; Gaz. vol. 190; p. 664.
- Maxwell, David, Detroit, Mich., assignor to The Liquid Forged Steel Company, Cleveland, Ohio. Apparatus for making castings. No. 1,062,290; May 20; Gaz. vol. 190; p. 664.
- Maxwell, Frank S., Liberty, Ill. Telephone-receiver support. No. 1,056,196; Mar. 18; Gaz. vol. 188; p. 589.
- Maxwell, Grover C. (See Maxwell, William B. and G. C.)
- Maxwell, Grover C., assignor of one-fourth to W. H. Debeuckelaere, one-fourth to A. C. Debeuckelaere, and one-fourth to W. B. Maxwell, New York, N. Y. Safety-lock. No. 1,070,904; Aug. 19; Gaz. vol. 193; p. 690.
- Maxwell, James F. (See Maxwell, Erastus M. and J. F.)
- Maxwell, James H., Seattle, Wash. Trap. No. 1,071,678; Aug. 26; Gaz. vol. 193; p. 982.
- Maxwell, John M., *et al.* (See Chambers, James M., assignor.)
- Maxwell, Joseph G., Brooklyn, N. Y. Reversing-gear for multiple-expansion steam-engines. No. 1,078,299; Nov. 11; Gaz. vol. 196; p. 396.
- Maxwell, Marshall P., Brooklyn, N. Y. High-voltage insulator. No. 1,075,217; Oct. 7; Gaz. vol. 195; p. 217.
- Maxwell, Matson D., Atkins, Ark. Harrow. No. 1,055,202; Mar. 4; Gaz. vol. 188; p. 183.
- Maxwell Motor Company. (See Hanchett, George T., assignor.)
- Maxwell, Russell R., Mansfield, Ohio. Saw-sharpener. No. 1,072,967; Sept. 9; Gaz. vol. 194; p. 478.
- Maxwell, Thomas A., Whigham, Ga. Gearing. No. 1,054,703; Mar. 4; Gaz. vol. 188; p. 16.
- Maxwell, Thomas S., Cleveland, Ohio. Elevator-indicator. No. 1,077,416; Nov. 4; Gaz. vol. 196; p. 63.
- Maxwell, William B., *et al.* (See Maxwell, Grover C., assignor.)
- Maxwell, William B. and G. C., assignors of one-third to J. Silvestro; said G. C. Maxwell assignor of one-third to J. Klein, Jr., New York, N. Y. Nut-lock. No. 1,075,925; Oct. 14; Gaz. vol. 195; p. 487.
- May, Alex, Jr., *et al.* (See Freeman, Richard J., assignor.)
- May, George H., Newburgh, N. Y., and W. M. Grosvenor, Grantwood, N. J. Process of drying. No. 1,075,586; Oct. 14; Gaz. vol. 195; p. 371.
- May, Henry H., New Albion, Iowa. Animal-trap. No. 1,061,304; May 13; Gaz. vol. 190; p. 289.
- May, Hugo. (See Hopple and May.)
- May, John F., New York, N. Y. Column. No. 1,083,120; Dec. 30; Gaz. vol. 197; p. 1223.
- May, Lincoln S., Plainville, assignor of one-half to A. A. Hadden, New Britain, Conn. Base-ball bat. No. 1,063,563; June 3; Gaz. vol. 191; p. 133.
- May, Newton E., assignor to R. May, Los Angeles, Cal. Couch-bed stop. No. 1,071,645; Aug. 26; Gaz. vol. 193; p. 972.
- May, Ralph H. (See Peck, Isaac M., assignor.)
- May, Rose. (See May, Newton E., assignor.)
- May, Samuel C., Modesto, Cal. Lady's hat-fastener. No. 1,078,793; Nov. 18; Gaz. vol. 196; p. 599.
- May, Solomon, Chicago, Ill. Making sausage-casings. No. 1,063,713; June 3; Gaz. vol. 191; p. 189.
- May, Solomon, Chicago, Ill. Sausage-casing and making the same. No. 1,063,714; June 3; Gaz. vol. 191; p. 189.
- May, W. B., *et al.* (See Moore, Justus J., assignor.)
- May, William H., Beach City, Ohio. Dust-remover. No. 1,065,953; July 1; Gaz. vol. 192; p. 17.
- Mayenschein, Norman, Hillsboro, Wis. Attachment for plows. No. 1,070,975; Aug. 19; Gaz. vol. 193; p. 713.
- Mayer, Abraham, Red Bud, Ill. Propeller for boats. No. 1,060,776; May 6; Gaz. vol. 190; p. 73.
- Mayer, Charles G., Jr., and C. E. Stilwell, Durango, Colo. Window-fastener. No. 1,066,415; July 1; Gaz. vol. 192; p. 178.
- Mayer, Clarence S. (See Moses, Leahman S., assignor.)
- Mayer, Ernest J., Hesperus, and O. L. Walton, Goldhill, Colo. Dust-collector for drills. No. 1,057,568; Apr. 1; Gaz. vol. 189; p. 59.
- Mayer, Frederick J., New York, N. Y., assignor to Stettiner Chamotte-Fabrik Actien-Gesellschaft vorm. Didier, Stettin, Germany. Gasometer. No. 1,062,983; May 27; Gaz. vol. 190; p. 935.
- Mayer, George M., Highland Park, assignor to Atwater Manufacturing Company, North Chicago, Ill. Electromagnetic motor. No. 1,054,783; Mar. 4; Gaz. vol. 188; p. 45.
- Mayer, Godfried J., Buffalo, N. Y. Carbureter. No. 1,080,645; Dec. 9; Gaz. vol. 197; p. 283.
- Mayer, Gustave A., New Dorp, N. Y. Humidifier. No. 1,070,275; Aug. 12; Gaz. vol. 193; p. 437.
- Mayer, Heinrich, Arbon, Switzerland. Transmission in motor-vehicles. No. 1,072,389; Sept. 2; Gaz. vol. 194; p. 244.
- Mayer, Heinrich, and G. Schlatter, Arbon, Switzerland. Ball-and-socket joint. No. 1,073,264; Sept. 16; Gaz. vol. 194; p. 619.
- Mayer, Joseph, Seattle, Wash. Electric meter. No. 1,078,206; Nov. 11; Gaz. vol. 196; p. 363.
- Mayer, Joshua W. (See Spaney and Mayer.)
- Mayer, Julian T., assignor to J. & C. Fischer, New York, N. Y. Rim for grand pianos. No. 1,079,506; Nov. 25; Gaz. vol. 196; p. 873.
- Mayer and Lavenson Company. (See Mayer, Moritz, assignor.)
- Mayer, Louis, Mankato, Minn. Vehicle running-gear. No. 1,073,265; Sept. 16; Gaz. vol. 194; p. 619.
- Mayer, Louis H., Johnstown, Pa. Heater for automobile-radiators. No. 1,060,992; May 6; Gaz. vol. 190; p. 150.
- Mayer, Max. (See Süssmann and Mayer.)
- Mayer, Moritz, New York, N. Y. Display-rack. No. 1,058,449; Apr. 8; Gaz. vol. 189; p. 408.
- Mayer, Moritz, assignor to Mayer and Lavenson Company, New York, N. Y. Support-bracket for display-racks. No. 1,082,965; Dec. 30; Gaz. vol. 197; p. 1174.
- Mayer, Otto, American Falls, Idaho. Coin-controlled locker. No. 1,077,846; Nov. 4; Gaz. vol. 196; p. 207.
- Mayer, Peter J., Montrose, Mo. Corn-planter attachment. No. 1,064,922; June 17; Gaz. vol. 191; p. 664.
- Mayer, Peter J., Montrose, Mo. Metal arch. No. 1,074,001; Sept. 23; Gaz. vol. 194; p. 895.

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- Mayer, Robert S., Norwood, Ohio. Thermostatic valve. No. 1,063,564; June 3; Gaz. vol. 191; p. 134.
- Mayer, Rudolf. (See Bauer, Herre, and Mayer.)
- Mayer, Wilhelm, assignor to Fried. Krupp Aktiengesellschaft, Essen-on-the-Ruhr, Germany. Ammunition-wagon. No. 1,055,772; Mar. 11; Gaz. vol. 188; p. 412.
- Mayer, Wilhelm, assignor to Fried. Krupp Aktiengesellschaft, Essen-on-the-Ruhr, Germany. Artillery-carriage. No. 1,063,051; May 27; Gaz. vol. 190; p. 957.
- Mayerle, George, San Francisco, Cal. Sign. No. 1,050,034; Jan. 7; Gaz. vol. 186; p. 242.
- Mayerle, George, San Francisco, Cal. Trial-frame and face-gage. No. 1,052,161; Feb. 4; Gaz. vol. 187; p. 110.
- Mayes, Aceph B., Houston, Tex. Elevator. No. 1,065,544; June 24; Gaz. vol. 191; p. 912.
- Mayfield, Champion, Brooking township, Jackson county, Mo. Lubricating-oil-conservation attachment for gas-engines. No. 1,080,710; Dec. 9; Gaz. vol. 197; p. 305.
- Mayfield, James F., and H. B. Alger, Lakeview, Oreg. Meat-cutting machine. No. 1,080,875; Dec. 9; Gaz. vol. 197; p. 365.
- Mayfield, Jesse L. (See Messerli and Mayfield.)
- Mayhall, William A., Gloster, Miss. Gearing. No. 1,073,055; Sept. 9; Gaz. vol. 194; p. 508.
- Mayhew, Edwin B., Levita, Tex. Folding car-step. No. 1,062,346; May 20; Gaz. vol. 190; p. 633.
- Mayland, Rowland H., Freeport, N. Y. Tubular bell. No. 1,057,003; Mar. 25; Gaz. vol. 188; p. 896.
- Mayn, Frederick, Griffith, assignor of one-half to J. R. Ball, Durango, Colo. Screen or sieve. No. 1,069,799; Aug. 12; Gaz. vol. 193; p. 274.
- Maynard, Charley and W. H., Beloit, Kans. Saddle. No. 1,053,419; Feb. 18; Gaz. vol. 187; p. 616.
- Maynard, Frederick E., Berkeley, Cal. Trap-guard. No. 1,060,993; May 6; Gaz. vol. 190; p. 150.
- Maynard, Frederick E., Berkeley, Cal. Amusement apparatus. No. 1,082,699; Dec. 30; Gaz. vol. 197; p. 1080.
- Maynard, George H., New York, N. Y. Smoke-preventer. No. 1,067,826; July 22; Gaz. vol. 192; p. 761.
- Maynard, Harlan J., Newton Highlands, assignor to Thermolac Manufacturing Company, Boston, Mass. Nipple for nursing-bottles. No. 1,060,777; May 6; Gaz. vol. 190; p. 73.
- Maynard, Oliver E., Kane, assignor to The Window Glass Machine Company, Pittsburgh, Pa. Glass-drawing and take-down apparatus. No. 1,073,613; Sept. 23; Gaz. vol. 194; p. 760.
- Maynard, Walter H. (See Maynard, Charley and W. H.)
- Maynard, William E. (See Goodsell and Maynard.)
- Maynard, Wyllys D., assignor of one-fourth to L. F. Snyder and one-fourth to C. W. Hill, Utica, N. Y. Pulley-fastener. No. 1,064,663; June 10; Gaz. vol. 191; p. 544.
- Maynes, Hyla F., Gaines, Pa. Amusement device. No. 1,058,615; Apr. 8; Gaz. vol. 189; p. 463.
- Mayo, Benjamin F., Salem, Mass., assignor to United Shoe Machinery Company, Paterson, N. J. Trimming-machine. No. 1,057,071; Mar. 25; Gaz. vol. 188; p. 920.
- Mayo, Charles R., London, England. Apparatus for extracting grease from grease-bearing materials. No. 1,066,028; July 1; Gaz. vol. 192; p. 43.
- Mayo, Charles R., London, England. Extraction of grease and similar matter from wool, skins, textiles, and other materials. No. 1,067,357; July 15; Gaz. vol. 192; p. 568.
- Mayo, Charles R., London, England. Extracting grease from grease-bearing materials. No. 1,068,354; July 22; Gaz. vol. 192; p. 941.
- Mayo, John C., Washington, D. C. Car-platform extension. No. 1,056,038; Mar. 18; Gaz. vol. 188; p. 535.
- Mayo, Robert D., Cleveland, Ohio, assignor of one-half to E. E. Slyfield, Frankfort, Mich. Sanitary closet-seat. No. 1,050,283; Jan. 14; Gaz. vol. 186; p. 361.
- Mayo, Virginius J., New Haven, Conn. Radiator construction. No. 1,055,407; Mar. 11; Gaz. vol. 188; p. 289.
- Maytag Company, The. (See Snyder, Howard F., assignor.)
- Maytag, Fred L. (See Townsend, George A., Jr., assignor.)
- Maytrott, Henry, assignor to The Hawthorne Manufacturing Company, Inc., Bridgeport, Conn. Lamp. No. 1,057,353; Mar. 25; Gaz. vol. 188; p. 1014.
- Maze, Frances M., executrix. (See Maze, Walter H.)
- Maze, Walter H., deceased, Peru, Ill.; F. M. Maze, executrix. Screen. No. 1,058,616; Apr. 8; Gaz. vol. 189; p. 463.
- Mazer, Alfred M., Jeannette, Pa. Manufacture of sheet-glass. No. 1,069,019; July 29; Gaz. vol. 192; p. 1209.
- Mazo, Elie. (See Tauleigne and Mazo.)
- Mazuel, Jean, Paris, France. Stop-cock for motor-vehicles. No. 1,075,429; Oct. 14; Gaz. vol. 195; p. 317.
- Mazur, Antony, and P. Mudrak, Natalie, Pa. Nut-lock. No. 1,075,218; Oct. 7; Gaz. vol. 195; p. 217.
- McAdam, John V. (See Everett and McAdam.)
- McAdams, James, Portland, Oreg. Baking-oven. No. 1,078,367; Nov. 11; Gaz. vol. 196; p. 421.
- McAdams, John D. (See Gatewood and McAdams.)
- McAdams, William A., Bay Shore, N. Y. Aluminum alloy. No. 1,072,017; Sept. 2; Gaz. vol. 194; p. 120.
- McAdams, William A., Bay Shore, N. Y. Aluminum alloy and producing the same. No. 1,076,137; Oct. 21; Gaz. vol. 195; p. 587.
- McAdams, William J., Ruby, Tex. Railway-rail joint. No. 1,054,013; Feb. 25; Gaz. vol. 187; p. 854.
- McAfee, Julius W., assignor to Standard Varnish Works, Chicago, Ill. Drying-room. No. 1,071,449; Aug. 26; Gaz. vol. 193; p. 907.
- McAlear, James, Chicago, Ill. Diaphragm exhaust-valve for radiators and the like. No. 1,077,731; Nov. 4; Gaz. vol. 196; p. 167.
- McAlister, A. I. (See Lupton, Henry W., assignor.)
- McAlister, Daniel E., Surrey, N. D. Wire fencing. No. 1,064,756; June 17; Gaz. vol. 191; p. 614.
- McAlister, George W., Scotia, Mo. Ball-bearing coupling. No. 1,049,890; Jan. 7; Gaz. vol. 186; p. 194.
- McAlister, Abel J., Lawrence, Kans. Loose-leaf binder. No. 1,075,840; Oct. 14; Gaz. vol. 195; p. 458.
- McAllister, Addams S., New York, N. Y. Alternating-current motor. No. 1,066,831; July 8; Gaz. vol. 192; p. 352.
- McAllister, Alexander, and T. Logan, Hanna, Wyo. Truck. No. 1,064,513; June 10; Gaz. vol. 191; p. 495.
- McAllister, Elbert L., Northbridge, Mass. Feed-bag. No. 1,054,226; Feb. 25; Gaz. vol. 187; p. 928.
- McAllister, George W., San Francisco, Cal. Water-swivel. No. 1,053,621; Feb. 18; Gaz. vol. 187; p. 685.
- McAllister, George W., San Francisco, Cal. Drill-rod coupling. No. 1,053,622; Feb. 18; Gaz. vol. 187; p. 685.
- McAllister, George W., San Francisco, Cal. Drill-rod. No. 1,059,626; Apr. 22; Gaz. vol. 189; p. 885.
- McAllister, John E. (See Ohmer, Whistler, and McAllister.)
- McAllister, John E., assignor of one-fourth to E. E. Wright, one-fourth to W. Joyce, and one-fourth to H. Simon, Philadelphia, Pa. Roller-skate. No. 1,069,968; Aug. 12; Gaz. vol. 193; p. 331.
- McAllister, John F., Pittsburgh, Pa. Folding umbrella. No. 1,061,305; May 13; Gaz. vol. 190; p. 289.
- McAloney, William H. (See McEldowney, Wilber E., assignor.)
- McAlpin, Lee, et al. (See Wilson, Alfred J., assignor.)
- McAndrews, William H., Chicago, Ill. Carbureter. No. 1,057,254; Mar. 25; Gaz. vol. 188; p. 983.
- McAnulty, John A., Indianapolis, Ind. Spring for vehicles. No. 1,060,778; May 6; Gaz. vol. 190; p. 73.
- McArdle, Patrick L. (See Kelly and McArdle.)
- McArthur, Charles, Winnipeg, Manitoba, assignor of one-half to M. McArthur, Whitewood, Canada. Shocking-machine. No. 1,056,431; Mar. 18; Gaz. vol. 188; p. 669.
- McArthur, Charles D., assignor to Blaw Steel Centering Company, Pittsburgh, Pa. Tunnel-form. No. 1,082,700; Dec. 30; Gaz. vol. 197; p. 1081.
- McArthur, Fred J., Aberdeen, S. D. Silo. No. 1,056,289; Mar. 18; Gaz. vol. 188; p. 620.
- McArthur, Myles. (See McArthur, Charles, assignor.)
- McArthur, P. (See Olsen, John C., assignor.)
- McArthur, Warren, Jr., Chicago, Ill. Tubular lantern. No. 1,070,152; Aug. 12; Gaz. vol. 193; p. 396.
- McArthur, Warren, Jr., Chicago, Ill. Tubular lantern. No. 1,070,153; Aug. 12; Gaz. vol. 193; p. 396.
- McArthur, Warren, Jr., Chicago, Ill. Tubular lantern. No. 1,070,154; Aug. 12; Gaz. vol. 193; p. 396.
- McArthur, Warren, Jr., Chicago, Ill. Tubular lantern. No. 1,070,155; Aug. 12; Gaz. vol. 193; p. 397.
- McArthur, Warren, Jr., Chicago, Ill. Tubular lantern. No. 1,070,276; Aug. 12; Gaz. vol. 193; p. 437.
- McArthur, William W., Bostic, N. C. Riding harrow and cultivator. No. 1,074,444; Sept. 30; Gaz. vol. 194; p. 1071.
- McAslan, Norman, Bruce, Wis. Cultivator. No. 1,079,421; Nov. 25; Gaz. vol. 196; p. 844.
- McAuley, Robert G., deceased, Pittsburgh, Pa.; S. B. McAuley, administratrix. Trap. No. 1,060,474; Apr. 29; Gaz. vol. 189; p. 1215.
- McAuley, Sarah B., administratrix. (See McAuley, Robert G.)
- McBean, Duncan D., New York, N. Y., and H. M. Chance, Philadelphia, Pa. Building subaqueous tunnels. No. 1,060,271; Apr. 29; Gaz. vol. 189; p. 1143.
- McBee, Charles F., Athens, Ohio. Aerial transportation system. No. 1,063,458; June 3; Gaz. vol. 191; p. 97.
- McBerty, Frank R., New Rochelle, N. Y., assignor to Western Electric Company, Chicago, Ill. Electric cable. No. 1,054,784; Mar. 4; Gaz. vol. 188; p. 45.
- McBerty, Frank R., New Rochelle, N. Y., assignor to Western Electric Company, Chicago, Ill. Calling device. No. 1,059,944; Apr. 22; Gaz. vol. 189; p. 988.
- McBerty, Frank R., New Rochelle, N. Y., assignor to Western Electric Company, Chicago, Ill. Forming cable. No. 1,062,347; May 20; Gaz. vol. 190; p. 683.
- McBerty, Frank R., New Rochelle, assignor to Western Electric Company, New York, N. Y. Telephone-exchange system. No. 1,075,430; Oct. 14; Gaz. vol. 195; p. 318.
- McBoyle, Joseph, Oakland, Cal. Attachment for hose-nozzles. No. 1,058,189; Apr. 8; Gaz. vol. 189; p. 317.
- McBride, Howard, et al. (See Ross, James T., assignor.)

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- McBride, John C., and T. A. Blair, Boulder, Colo.; said Blair assignor to said McBride. Merchandise-vending machine. No. 1,052,607; Feb. 11; Gaz. vol. 187; p. 293.
- McBride, Lewis M., assignor to The Arcturus Electric and Manufacturing Company, Denver, Colo. Flaming-arc headlight. No. 1,062,408; May 20; Gaz. vol. 190; p. 704.
- McBryde, Frank M., *et al.* (See Gardner, Henry C., assignor.)
- McCa, David G., Lancaster, Pa. Apparatus for the production of high-potential electric currents. (Reissue.) No. 13,564; May 20; Gaz. vol. 190; p. 761.
- McCabe, Bernard J., Detroit, Mich. Automatic folding umbrella. No. 1,063,989; June 10; Gaz. vol. 191; p. 314.
- McCabe, Frank G., Moriarty, N. Mex. Irrigation-pipe. No. 1,051,507; Jan. 28; Gaz. vol. 186; p. 849.
- McCabe, Horace B., Chicago, Ill. assignor to Gisholt Machine Company, Madison, Wis. Time-recording register. No. 1,063,272; June 3; Gaz. vol. 191; p. 35.
- McCabe, Hugh, Lawrence, Mass. Flanging. No. 1,065,824; June 24; Gaz. vol. 191; p. 1005.
- McCabe, James T., New York, N. Y. Door-hanger. No. 1,082,129; Dec. 23; Gaz. vol. 197; p. 849.
- McCaffrey, James, Marshall, Mich. Hay and stock rack. No. 1,059,184; Apr. 15; Gaz. vol. 189; p. 698.
- McCaffrey, James H. (See Rudler, Frank X., assignor.)
- McCain, Cyrus A., Oak Park, Ill. Reciprocating mechanism for printing-presses and the like. No. 1,063,273; June 3; Gaz. vol. 191; p. 35.
- McCain, Walter L., Deering, Mo. Fence-post. No. 1,081,976; Dec. 23; Gaz. vol. 197; p. 798.
- McCairns, William, Eldorado, Ill. Airship-propeller. No. 1,061,961; May 13; Gaz. vol. 190; p. 511.
- McCall, Arthur B., Springfield, Ill. Trousers-shield. No. 1,075,296; Oct. 7; Gaz. vol. 195; p. 246.
- McCall, Charles S., *et al.* (See Roberts, Henry P., assignor.)
- McCall, Dougald B., Rogers, Tex. Knee-protector. No. 1,081,245; Dec. 9; Gaz. vol. 197; p. 486.
- McCall, Duncan D., Houston, Tex. Apparatus for hoisting liquids from wells. No. 1,077,088; Oct. 28; Gaz. vol. 195; p. 973.
- McCall, James E., Montgomery, Ala. Chimney-cap. No. 1,068,257; July 22; Gaz. vol. 192; p. 909.
- McCall, Joseph W., assignor of one-third to A. M. Lee, one-third to J. T. Hester, and one-third to J. D. Crawford, Huntingdon, Tenn. Desk. No. 1,053,521; Feb. 18; Gaz. vol. 187; p. 651.
- McCall, Thaddeus D., Imperial, Cal. Recording apparatus. No. 1,081,246; Dec. 9; Gaz. vol. 197; p. 486.
- McCallen, George W., Wheatland, Pa. Oil-burner. No. 1,082,130; Dec. 23; Gaz. vol. 197; p. 849.
- McCallister, M. M. (See Schanz, George J., assignor.)
- McCallister, Thomas F., Prineville, Oreg. Motor-vehicle. No. 1,080,361; Dec. 2; Gaz. vol. 197; p. 157.
- McCallum, Alexander, Northampton, Mass. Tag. No. 1,066,832; July 8; Gaz. vol. 192; p. 352.
- McCallum, John S., Goldfield, Iowa. Threshing-machine. No. 1,075,985; Oct. 14; Gaz. vol. 195; p. 508.
- McCallum, Maude, assignor to Metcalfe Baldock & Company, London, England. Skirt. No. 1,082,467; Dec. 23; Gaz. vol. 197; p. 964.
- McCallum, William A., Cincinnati, Ohio. Hanger for trolley-wires. No. 1,069,800; Aug. 12; Gaz. vol. 193; p. 275.
- McCan, David C., Los Angeles, Cal. Dipping apparatus. No. 1,064,235; June 10; Gaz. vol. 191; p. 400.
- McCan, David C., Los Angeles, Cal. Block-delivery mechanism. No. 1,064,236; June 10; Gaz. vol. 191; p. 400.
- McCan, David C., Los Angeles, Cal. Automatic clutch-release. No. 1,075,297; Oct. 7; Gaz. vol. 195; p. 247.
- McCann, Amos R. (See Gambill and McCann.)
- McCann, David S., Ambrose, N. D. Subsoil-disk. No. 1,062,246; May 20; Gaz. vol. 190; p. 650.
- McCann, James T., Tuolumne, Cal. Bolt-holder. No. 1,057,255; Mar. 25; Gaz. vol. 188; p. 984.
- McCann, Thomas E., Osage City, Kans. Safety appliance for mail-bags. No. 1,051,145; Jan. 21; Gaz. vol. 186; p. 693.
- McCanna, John, assignor of one-half to J. Jones, Ontonagon, Mich. Tread for footwear. No. 1,058,617; Apr. 8; Gaz. vol. 189; p. 463.
- McCanna, John F., assignor to Imperial Brass Manufacturing Company, Chicago, Ill. Force-feed lubricator. No. 1,063,274; June 3; Gaz. vol. 191; p. 36.
- McCanna, John F., assignor to The John F. McCanna Company, Chicago, Ill. Lubricator. No. 1,074,128; Sept. 30; Gaz. vol. 194; p. 966.
- McCanna, Theodore A., and A. Greene, Freeport, Pa. Electrically-operated annunciator. No. 1,059,185; Apr. 15; Gaz. vol. 189; p. 699.
- McCanse, William, Hobart, Okla. Electric fixture. No. 1,065,155; June 17; Gaz. vol. 191; p. 742.
- McCanse, William, Hobart, assignor to Burn-All Incinerator Company, (Incorporated,) Frederick, Okla. Refuse-burner. No. 1,078,158; Nov. 11; Gaz. vol. 196; p. 346.
- McCargo, Grant. (See Kennedy, George R., assignor.)
- McCarrick, Hannah M., Pittsburgh, Pa. Tie-slipping device. No. 1,056,039; Mar. 18; Gaz. vol. 188; p. 536.
- McCarthy, William H., Pittsfield, Mass. Bed. No. 1,057,256; Mar. 25; Gaz. vol. 188; p. 984.
- McCarthy, William H., Pittsfield, Mass. Folding bed. No. 1,059,945; Apr. 22; Gaz. vol. 189; p. 988.
- McCartier, William W., Quitman, Ga. Casting-machine. No. 1,072,480; Sept. 9; Gaz. vol. 194; p. 305.
- McCarthy, Charles A., Demopolis, Ala., assignor to J. Heisler, Hattiesburg, Miss. Chain-lock. No. 1,082,813; Dec. 30; Gaz. vol. 197; p. 1120.
- McCarthy, Daniel E. (See Kendrick, Frank J., assignor.)
- McCarthy, Daniel F., Moline, Ill. Shock-absorber. No. 1,063,459; June 3; Gaz. vol. 191; p. 97.
- McCarthy, Daniel W. (See Chase and Siebenthaler, assignors.)
- McCarthy, Edward T. (See Watts, Lewis H., assignor.)
- McCarthy, Hiram A., Peterborough, Ontario, Canada. Adjustable wrench. No. 1,082,601; Dec. 30; Gaz. vol. 197; p. 1046.
- McCarthy, James J., Chicago, Ill. Car-roof. No. 1,067,535; July 15; Gaz. vol. 192; p. 628.
- McCarthy, John, Whitehall, N. Y. Detonating alarm. No. 1,067,126; July 8; Gaz. vol. 192; p. 452.
- McCarthy, John, New York, N. Y. Plug-valve. No. 1,079,254; Nov. 18; Gaz. vol. 196; p. 756.
- McCarthy, John J., Newton, Mass. Fire-alarm system. No. 1,068,440; July 29; Gaz. vol. 192; p. 1009.
- McCarthy, Michael, Stewartsville, N. J. Drill-bit lifter. No. 1,077,089; Oct. 28; Gaz. vol. 195; p. 974.
- McCarthy, William. (See Lane and McCarthy.)
- McCarthy, William M., assignor to The National Cash Register Company, Dayton, Ohio. Cash-register. No. 1,051,904; Feb. 4; Gaz. vol. 187; p. 19.
- McCartney, James H. (See Fellows, Irving D., assignor.)
- McCarty, Daniel J., and H. B. McGinnis, Chicago, Ill. Radiator. No. 1,078,546; Nov. 11; Gaz. vol. 196; p. 480.
- McCarty, Norman, assignor to Lyons-Atlas Company, Indianapolis, Ind. Breather for engines. No. 1,071,328; Aug. 26; Gaz. vol. 193; p. 866.
- McCarty, Patrick A., Honesdale, Pa. Tricycle brake mechanism. No. 1,056,705; Mar. 18; Gaz. vol. 188; p. 763.
- McCarty, Patrick A., Honesdale, Pa. Tricycle propelling mechanism. No. 1,078,056; Nov. 11; Gaz. vol. 196; p. 311.
- McCarty, William F. M., Pleasantville, N. Y. Making artificial stone. No. 1,060,614; May 6; Gaz. vol. 190; p. 18.
- McCarty, William F. M., Rocky Ridge, Md., assignor of one-half to A. E. Copp, Boston, Mass. Hydraulic concentrating apparatus. No. 1,050,483; Jan. 14; Gaz. vol. 186; p. 432.
- McCarville, John E., Fort Dodge, Iowa. Flashing. No. 1,082,602; Dec. 30; Gaz. vol. 197; p. 1046.
- McCaskey Register Company, The. (See Cunin, Joseph E., assignor.)
- McCaskey Register Company. (See Hick, Harry J., assignor.)
- McCaskey Register Company, The. (See Hick and Staples, assignors.)
- McCaskey Register Company, The. (See Moseley, Emerson B., assignor.)
- McCaskey Register Company, The. (See Pardee, Rollin D., assignor.)
- McCaskey Register Company, The. (See Silvius, Ellis T., assignor.)
- McCaskey Register Company, The. (See Staples and Hick, assignors.)
- McCaskey Register Company, The. (See Valentine, Ernest J., assignor.)
- McCaskey Register Company, The. (See Voss, Peter, assignor.)
- McCauley, Albert J., assignor to C. A. Garvey, St. Louis, Mo. Paper-feeder. No. 1,054,976; Mar. 4; Gaz. vol. 188; p. 110.
- McCauley, Daniel R., Washington, D. C. License-tag holder for automobiles and other vehicles. No. 1,058,882; Apr. 15; Gaz. vol. 189; p. 595.
- McCauley, Edward, Minneapolis, Minn., assignor of one-half to W. T. McCauley, Fallowfield, Canada. Pole-tip. No. 1,082,090; Dec. 23; Gaz. vol. 197; p. 837.
- McCauley, Elmer E., Taft, Cal. Throttling device. No. 1,071,560; Aug. 26; Gaz. vol. 193; p. 943.
- McCauley, Franklin G., Greenwich, Ohio. Folding car-steps. No. 1,053,049; Feb. 11; Gaz. vol. 187; p. 444.
- McCauley, William T. (See McCauley, Edward, assignor.)
- McCauley, Albert, *et al.* (See Foss, Andrew H., assignor.)
- McCauley, John, Providence, R. I. Sanitary telephone-mouthpiece. No. 1,052,162; Feb. 4; Gaz. vol. 187; p. 111.
- McCaw, William N., *et al.* (See Hahn, Herman, assignor.)
- McChesney, Wallace E., Berkeley, Cal. Hydraulic excavator. No. 1,055,548; Mar. 11; Gaz. vol. 188; p. 336.
- McClain, Charles C., Washington, D. C. Nut-lock. No. 1,058,771; Apr. 15; Gaz. vol. 189; p. 554.

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- McClain, William D., assignor to W. Ford, St. Louis, Mo. Shoe-machine. No. 1,058,772; Apr. 15; Gaz. vol. 189; p. 554.
- McClaren, Harry L., assignor to Racine Rubber Company, Racine, Wis. Rubber-tire tread. No. 1,071,071; Aug. 26; Gaz. vol. 193; p. 781.
- McClaskey, Riley, Carneyville, Wyo. Car-brake. No. 1,079,570; Nov. 25; Gaz. vol. 196; p. 896.
- McClave-Brooks Company. (See McClave, William, assignor.)
- McClave, William, assignor to McClave-Brooks Company, Scranton, Pa. Furnace for burning bituminous coal. No. 1,071,166; Aug. 26; Gaz. vol. 193; p. 812.
- McClave, William, assignor to McClave-Brooks Company, Scranton, Pa. Pneumatic conveyer system. No. 1,076,989; Oct. 28; Gaz. vol. 195; p. 940.
- McCleary, Harry, Washington, D. C. Resilient tire. No. 1,067,668; July 15; Gaz. vol. 192; p. 674.
- McCleary, Ray M., and G. L. Harnly, Philadelphia, Pa., assignors to O. L. Smith, Grand Rapids, Mich. Display-rack. No. 1,081,685; Dec. 16; Gaz. vol. 197; p. 669.
- McCleary, George A., Van Meter, Iowa. Variable-speed gearing. No. 1,051,343; Jan. 21; Gaz. vol. 186; p. 759.
- McCleary, Robert J. (See McNab and McCleary.)
- McClellan, Benjamin S., Chicago, Ill. Window construction. No. 1,051,146; Jan. 21; Gaz. vol. 186; p. 694.
- McClellan, Benjamin S., Chicago, Ill. Adjustable sash-chain fastener. No. 1,056,348; Mar. 18; Gaz. vol. 188; p. 639.
- McClellan, Benjamin S., Chicago, Ill. Lock-nut. No. 1,083,217; Dec. 30; Gaz. vol. 197; p. 1251.
- McClellan, Charles G., Johnsonburg, Pa. Paper-making machinery. No. 1,052,495; Feb. 11; Gaz. vol. 187; p. 253.
- McClellan, Charles P., Fall River, Mass. Folding boat-top. No. 1,052,076; Feb. 4; Gaz. vol. 187; p. 80.
- McClellan, George B. (See Markle and McClellan.)
- McClellan, John, Casanova, Va. Vine-cutter. No. 1,060,108; Apr. 29; Gaz. vol. 189; p. 1085.
- McClellan, John L., Rockford, Wash. Extractor and capsule syringe. No. 1,074,965; Oct. 7; Gaz. vol. 195; p. 128.
- McClelland, David H., Chicago, Ill. Operating and locking apparatus. No. 1,050,035; Jan. 7; Gaz. vol. 186; p. 243.
- McClelland, William H., Jr., Wilkesburg, Pa. Speed-controlling apparatus. No. 1,052,496; Feb. 11; Gaz. vol. 187; p. 256.
- McClellon, James M., Everett, Mass. Fire-box for boilers. No. 1,072,865; Sept. 9; Gaz. vol. 194; p. 440.
- McClellon, James M., Everett, Mass. Fire-box construction. No. 1,078,933; Nov. 18; Gaz. vol. 196; p. 645.
- McClellon, James M., Everett, Mass. Fire-box. No. 1,078,934; Nov. 18; Gaz. vol. 196; p. 646.
- McClellon, James M., Everett, Mass. Fire-box. No. 1,078,935; Nov. 18; Gaz. vol. 196; p. 646.
- McClenahan, Francis M., Maryville, Tenn. Smelting iron ores. No. 1,068,833; July 8; Gaz. vol. 192; p. 352.
- McClenahan, John R., Geneva, Ill. Trap. No. 1,079,944; Dec. 2; Gaz. vol. 197; p. 7.
- McClernan, James. (See McClernan, Louis F. and J.)
- McClernan, Louis F. and J., Chicago, Ill. Metallic kitchen-cabinet. No. 1,079,507; Nov. 25; Gaz. vol. 196; p. 873.
- McClimans, Albert R., Burwell, Nebr. Surgical blanket. No. 1,059,627; Apr. 22; Gaz. vol. 189; p. 885.
- McClintock, Paul D., Clearwater, Kans. Cartridge-carrier. No. 1,078,450; Nov. 11; Gaz. vol. 196; p. 449.
- McClintock, William, New York, N. Y. Fire-hose rack. No. 1,073,152; Sept. 16; Gaz. vol. 194; p. 578.
- McCloskey, Thomas R., Salt Lake City, Utah. Curtain-stretcher. No. 1,063,990; June 10; Gaz. vol. 191; p. 315.
- McCloskey, Thomas R., Salt Lake City, Utah. Corner-clamp for use with fabric-stretchers. No. 1,065,460; June 24; Gaz. vol. 191; p. 882.
- McCloud, Edward H., assignor to The Kinnear Manufacturing Company, Columbus, Ohio. Automatic fire-shutter. No. 1,052,735; Feb. 11; Gaz. vol. 187; p. 334.
- McCloud, Edward H., assignor to The Kinnear Manufacturing Company, Columbus, Ohio. Flexible fire-resisting shutter and slat therefor. No. 1,054,977; Mar. 4; Gaz. vol. 188; p. 110.
- McCloud, Edward H., assignor to The Kinnear Manufacturing Company, Columbus, Ohio. Means for releasing the fastenings of metallic parts in case of fire. No. 1,074,187; Sept. 30; Gaz. vol. 194; p. 985.
- McCloud, Edward H., assignor to The Kinnear Manufacturing Company, Columbus, Ohio. Spring-roller. No. 1,074,277; Sept. 30; Gaz. vol. 194; p. 1015.
- McCloud, Edward H., assignor to The Kinnear Manufacturing Company, Columbus, Ohio. Fire-resisting curtain. No. 1,076,684; Oct. 28; Gaz. vol. 195; p. 832.
- McCloud, Edward H., assignor to The Kinnear Manufacturing Company, Columbus, Ohio. Automatic fire-resisting shutter. No. 1,081,129; Dec. 9; Gaz. vol. 197; p. 447.
- McCloud, Michael J., Brooklyn, assignor to I. E. Ikellheimer, New York, N. Y. Valve. No. 1,056,432; Mar. 18; Gaz. vol. 188; p. 669.
- McCluer, Marshall H., and A. C. Munn, Muskegon, Mich. Automatic fishing-reel. No. 1,062,488; May 20; Gaz. vol. 190; p. 730.
- McClung, Lee. (See Doll, William F., assignor.)
- McClung, William S., Hagerman, N. Mex. Lubricator. No. 1,051,609; Jan. 28; Gaz. vol. 186; p. 884.
- McClure, Adolphus C., Keithville, La. Automatic repeating firearm. No. 1,075,431; Oct. 14; Gaz. vol. 195; p. 318.
- McClure, Daniel R., Jr., Arlington Station, assignor of one-half to A. W. Risher, Pasadena, Cal. Rake. No. 1,073,771; Sept. 23; Gaz. vol. 194; p. 818.
- McClure, Joseph A., Bemidji, Minn. Breath-deflector. No. 1,051,843; Jan. 28; Gaz. vol. 186; p. 960.
- McClure, Joseph A., Bemidji, Minn. Skid. No. 1,064,237; June 10; Gaz. vol. 191; p. 401.
- McClure, Philip L., Fort Cobb, Okla. Adjustable window-shade and curtain hanger. No. 1,059,890; Apr. 22; Gaz. vol. 189; p. 969.
- McClure, Silas, Beaver Dam, Wis., assignor to Malleable Iron Range Company, Stove. No. 1,071,561; Aug. 26; Gaz. vol. 193; p. 943.
- McCluskey, Frank, New York, N. Y. Joint for tubular piling. No. 1,051,427; Jan. 28; Gaz. vol. 186; p. 821.
- McClusky, Henry H., *et al.* (See Young, Champ C., assignor.)
- McCoig, Franklin P., Redondo Beach, Cal. Railway-crossing. No. 1,058,618; Apr. 8; Gaz. vol. 189; p. 463.
- McCoig, Franklin P., San Pedro, assignor of one-half to N. J. Martin, Redondo Beach, Cal. Broom. No. 1,057,866; Apr. 1; Gaz. vol. 189; p. 162.
- McColl, Ernest N., Brooklyn, N. Y. Window-cabinet for provisions. No. 1,062,409; May 20; Gaz. vol. 190; p. 704.
- McColl, Francis P., St. Andrews, New Brunswick, Canada, assignor to American Key Can Company, Can-soldering machine. No. 1,052,736; Feb. 11; Gaz. vol. 187; p. 334.
- McColl, Francis P., St. Andrews, New Brunswick, Canada, assignor to American Key Can Company, Chicago, Ill. Can-soldering machine. No. 1,052,737; Feb. 11; Gaz. vol. 187; p. 334.
- McColl, Francis P., St. Andrews, New Brunswick, Canada, assignor to American Key Can Company, Chicago, Ill. Roll-cap. No. 1,082,280; Dec. 23; Gaz. vol. 197; p. 903.
- McColl, Irving G., New York, N. Y. Flash-light apparatus. No. 1,061,306; May 13; Gaz. vol. 190; p. 289.
- McCollum, Alfred F., assignor of three-fifths to J. Magee, 2d, Bloomsburg, Pa. Pile-cutting attachment for looms. No. 1,049,891; Jan. 7; Gaz. vol. 186; p. 194.
- McCollum, Burton, Washington, D. C. Alternating-current induction-motor. No. 1,049,506; Jan. 7; Gaz. vol. 186; p. 63.
- McCollum, Burton, Washington, D. C. Alternating-current induction-motor. No. 1,082,603; Dec. 30; Gaz. vol. 197; p. 1046.
- McComb, Mary E., Haddonfield, N. J. Pillow. No. 1,068,355; July 22; Gaz. vol. 192; p. 942.
- McComb, William N., New York, N. Y. Light-shield. No. 1,050,967; Jan. 21; Gaz. vol. 186; p. 632.
- McCombs, Alvin B., Sedalia, Mo. Hay-rake. No. 1,062,784; May 27; Gaz. vol. 190; p. 868.
- McCombs, John E., Lynchburg, Tex. Caster attachment. No. 1,068,258; July 22; Gaz. vol. 192; p. 908.
- McCombs, Marshall M., El Paso, Tex. Switch-operating device. No. 1,075,841; Oct. 14; Gaz. vol. 195; p. 458.
- McConnell, Charles W., *et al.* (See Kean, Thomas F., assignor.)
- McConnell, Charles P., assignor to Western Electric Company, New York, N. Y. Lead alloy. No. 1,075,661; Oct. 14; Gaz. vol. 195; p. 397.
- McConnell, Cora, Mount Airy, Ga. Hanging wardrobe. No. 1,071,624; Aug. 26; Gaz. vol. 193; p. 965.
- McConnell, Harry, assignor of one-half to S. J. Newman, Wilmington, Del. Apparatus for separating water from gas. No. 1,055,203; Mar. 4; Gaz. vol. 188; p. 183.
- McConnell, John. (See Jones, Hang, and McConnell.)
- McConnell, John F., Oxford, Ind. Railway-tie. No. 1,050,368; Jan. 14; Gaz. vol. 186; p. 391.
- McConnell, John R., Louisville, Ky. Explosion-pump. No. 1,054,302; Feb. 25; Gaz. vol. 187; p. 951.
- McConnell, Scott R., Wichita Falls, Tex. Internal pipe-gripper. No. 1,069,560; Aug. 5; Gaz. vol. 193; p. 162.
- McConnell, Thomas M., Elberton, Ga. Driving-lines. No. 1,063,052; May 27; Gaz. vol. 190; p. 957.
- McConnell, William H., assignor to International Machine Corporation, Richmond, Va. Shoe-polishing machine. No. 1,061,307; May 13; Gaz. vol. 190; p. 290.
- McConney, Robert B. (See Vivian, Alfred J., assignor.)
- McConville, Curran C., and J. P. Farnam, Minneapolis, Minn., assignors, by mesne assignments, to Emerson-Brantingham Company, Rockford, Ill. Gearing. No. 1,076,685; Oct. 28; Gaz. vol. 195; p. 833.
- McConway & Torley Company. (See Kelso, Joseph, assignor.)
- McConway & Torley Company, The. (See Kelso, William and J., assignors.)
- McCoee, Patrick H., Indiana Harbor, Ind. Switch-stand. No. 1,052,937; Feb. 11; Gaz. vol. 187; p. 407.
- McCool, Edward F. (See Pettit, Lafayette M., assignor.)

Alphabetical list of patentees—Continued.

- McCool, William A., assignor to Acme-Keystone Manufacturing Company, Beaver Falls, Pa. Blindstitch sewing-machine. No. 1,054,657; Feb. 25; Gaz. vol. 187; p. 1074.
- McCool, William A., Beaver Falls, Pa., assignor, by mesne assignments, to J. G. Lewis, St. Louis, Mo. Type-writer. No. 1,069,275; Aug. 5; Gaz. vol. 193; p. 66.
- McCord, Alvin C., Chicago, Ill. Conveying system. No. 1,051,905; Feb. 4; Gaz. vol. 187; p. 20.
- McCord, Andrew J., Chattanooga, Tenn. Back-band buckle. No. 1,060,199; Apr. 29; Gaz. vol. 189; p. 1117.
- McCord and Company. (See Randel, Ivar A., assignor.)
- McCord, Edgar E., Newton, Iowa. Fence-post. No. 1,073,772; Sept. 23; Gaz. vol. 194; p. 818.
- McCord, Eva T., Chicago, Ill. Garment-hanger for sleeping-car berths. No. 1,059,891; Apr. 22; Gaz. vol. 189; p. 969.
- McCord, Horace M., assignor of one-half to R. E. Brice, Minneapolis, Minn. Display-rack for roofing. No. 1,067,358; July 15; Gaz. vol. 192; p. 569.
- McCord, John H., Pierre, S. D. Hat-marker. No. 1,063,565; June 3; Gaz. vol. 191; p. 134.
- McCormack, Harry S., New Rochelle, assignor, by mesne assignments, to Underwood Typewriter Company, New York, N. Y. Type-writing machine. No. 1,055,344; Mar. 11; Gaz. vol. 188; p. 269.
- McCormack, Patrick F., West Rutland, assignor of one-fourth to H. J. Adams, Rutland, Vt. Crank-driven piston-stroke motion. No. 1,065,955; July 1; Gaz. vol. 192; p. 18.
- McCormick, Charles, St. Louis, Mo. Concrete pile and forming same. No. 1,052,738; Feb. 11; Gaz. vol. 187; p. 335.
- McCormick, Charles, St. Louis, Mo. Ball-and-drum pulverizing-mill. No. 1,057,649; Apr. 1; Gaz. vol. 189; p. 86.
- McCormick, Francis H., Hillsdale, Mich. Harness attachment for securing nets and blankets. No. 1,081,054; Dec. 9; Gaz. vol. 197; p. 423.
- McCormick, James C., Detroit, Mich. Door. No. 1,071,251; Aug. 26; Gaz. vol. 193; p. 841.
- McCormick, John H., Columbus, Ohio. Surface-hardening metal. No. 1,071,937; Sept. 2; Gaz. vol. 194; p. 93.
- McCormick, John H., Columbus, Ohio. Draw-gear and buffing apparatus. No. 1,076,686; Oct. 28; Gaz. vol. 195; p. 833.
- McCormick, John H., assignor, by mesne assignments, to The National Cash Register Company, Dayton, Ohio. Cash-register. No. 1,071,768; Sept. 2; Gaz. vol. 194; p. 34.
- McCormick, John H., assignor, by mesne assignments, to The National Cash Register Company, Dayton, Ohio. Cash-register. No. 1,080,646; Dec. 9; Gaz. vol. 197; p. 283.
- McCormick, Joseph F., Mount Vernon, Ohio. Sad-iron. No. 1,065,954; July 1; Gaz. vol. 192; p. 17.
- McCormick, Langdon, assignor to Thurston-McCormick Co., Inc., New York, N. Y. Illusion device. No. 1,079,902; Nov. 25; Gaz. vol. 196; p. 1013.
- McCormick, Martin L., Baltimore, Md. Sulky. No. 1,052,497; Feb. 11; Gaz. vol. 187; p. 256.
- McCormick, Samuel B., Otterbein, Ind. Cultivator. No. 1,078,634; Nov. 18; Gaz. vol. 196; p. 542.
- McCormick, Samuel E., Winchester, Ky. Blue-grass-seed harvester. No. 1,063,812; June 3; Gaz. vol. 191; p. 221.
- McCormick, William, Seattle, assignor of one-fourth to T. C. Wand and one-fourth to C. F. McDowell, Snohomish, Wash. Ice-making apparatus. No. 1,077,484; Nov. 4; Gaz. vol. 196; p. 86.
- McCornack, Herbert, West Chester, Pa. Internal-combustion engine. No. 1,077,150; Oct. 28; Gaz. vol. 195; p. 991.
- McCoy, Benjamin F., assignor of one-third to J. J. Scannel, St. Louis, Mo. Metallic shoe-counter. No. 1,064,923; June 17; Gaz. vol. 191; p. 664.
- McCoy, Henry A. (See Chambers, McCoy, Anderson, and Webb.)
- McCoy, John E., Pittsburgh, Pa. Rail-joint. No. 1,074,554; Sept. 30; Gaz. vol. 194; p. 1104.
- McCoy, Milton B., Pueblo, Colo. Combined mop head and wringer. No. 1,062,984; May 27; Gaz. vol. 190; p. 935.
- McCoy, Stephen W. (See Lidstone, Frederick J., assignor.)
- McCoy, Walter J., Sarpy county, assignor of one-half to J. H. Kopietz, South Omaha, Nebr. Truck. No. 1,055,933; Mar. 11; Gaz. vol. 188; p. 465.
- McCoy, Walter M., assignor to C. E. Foust, Birmingham, Ala. Mine-car wheel. No. 1,081,318; Dec. 16; Gaz. vol. 197; p. 549.
- McCracken, James W., *et al.* (See Christopher, James H., assignor.)
- McCracken, John T., Bradford, Ky. Pipe-coupling. No. 1,077,417; Nov. 4; Gaz. vol. 196; p. 63.
- McCracken, Joseph A., Altoona, Pa. Railway metallic tie. No. 1,076,687; Oct. 28; Gaz. vol. 195; p. 834.
- McCrea, Oliver E., Fresno, Cal. Fastening device. No. 1,052,682; Feb. 11; Gaz. vol. 187; p. 319.
- McCready, Harold, Wilkinsburg, assignor to The Union Switch & Signal Company, Swissvale, Pa. Circuit-controller. No. 1,071,769; Sept. 2; Gaz. vol. 194; p. 35.
- McCready, Warren W., and J. G. Myers, Pasadena, Cal. Safety-valve for pneumatic tires. No. 1,068,798; July 29; Gaz. vol. 192; p. 1134.
- McCreary, Benjamin F., New York, N. Y. Means for carrying life-lines. No. 1,072,968; Sept. 9; Gaz. vol. 194; p. 479.
- McCreary, Benjamin F., New York, N. Y. Means for carrying life-lines. No. 1,072,969; Sept. 9; Gaz. vol. 194; p. 479.
- McCreary, James A. (See Mitchell and McCreary.)
- McCreddie, David R., *et al.* (See Burgum, William C., assignor.)
- McCrone, John W., San Antonio, Tex. Lantern-globe. No. 1,063,053; May 27; Gaz. vol. 190; p. 958.
- McCrory, William II., Three Rivers, Mich. Piston-head. No. 1,079,055; Nov. 18; Gaz. vol. 196; p. 690.
- McCroskey, Cyrus B. (See Cook and McCroskey.)
- McCue, Edward G., Sharpsburg, Pa. Trap. No. 1,063,715; June 3; Gaz. vol. 191; p. 190.
- McCue, John N., Auxvasse, Mo. Elevator. No. 1,065,956; July 1; Gaz. vol. 192; p. 18.
- McCuen, James W. (See Murphy and McCuen.)
- McCulley, Burdette W., Woodston, Kans. Nail-extractor. No. 1,060,994; May 6; Gaz. vol. 190; p. 151.
- McCulloch, Alexander, Edmonton, Alberta, Canada. Street-car-ticket holder. No. 1,056,809; Mar. 25; Gaz. vol. 188; p. 829.
- McCulloch, Frederick L., and W. E. Dorchester, Tampa, Fla. Device for operating blinds of window-shutters. No. 1,061,096; May 6; Gaz. vol. 190; p. 183.
- McCulloch, Harry G., assignor to The Stover Manufacturing Company, Freeport, Ill. Feed-mill. No. 1,050,369; Jan. 14; Gaz. vol. 186; p. 391.
- McCulloch, Harry G., assignor to The Stover Manufacturing Company, Freeport, Ill. Pump-jack cross-head. No. 1,057,441; Apr. 1; Gaz. vol. 189; p. 16.
- McCulloch, Henry A., New York, N. Y. Reversible turbine. No. 1,061,858; May 13; Gaz. vol. 190; p. 475.
- McCulloch, Robert M., Cifuentes, Cuba. Portable automatic counting device. No. 1,079,183; Nov. 18; Gaz. vol. 196; p. 734.
- McCullough, Phelam, Sherbrooke, Quebec, Canada. Car-fender. No. 1,071,252; Aug. 26; Gaz. vol. 193; p. 842.
- McCullough, William H., assignor to Smith & Phillips Manufacturing Company, Chicago, Ill. Carpet-beater. No. 1,054,129; Feb. 25; Gaz. vol. 187; p. 893.
- McCumber, James R., and T. G. Fulcher, Princeton, W. Va. Cylinder-cock and steam-chest relief-valve. No. 1,063,164; May 27; Gaz. vol. 190; p. 994.
- McCune, Frank, Pittsburgh, Pa. Rail-tie and rail-fastening. No. 1,067,127; July 8; Gaz. vol. 192; p. 452.
- McCunningham, Daniel L., and E. M. Wilson, Sedan, Kans. Poultry-fountain. No. 1,076,777; Oct. 28; Gaz. vol. 195; p. 865.
- McCurdy, Ralph B., Oskaloosa, Iowa. Mattress-rack. No. 1,071,671; Aug. 26; Gaz. vol. 193; p. 980.
- McCurdy, William S., St. Paul, Minn. Gravity-carrier. No. 1,077,540; Nov. 4; Gaz. vol. 196; p. 105.
- McCutchen, George W., Maricopa, Cal. Pipe-plug. No. 1,075,842; Oct. 14; Gaz. vol. 195; p. 458.
- McCutcheon, Henry D. (See Harrison and McCutcheon.)
- McCutcheon, Labanna T. (See Roderick and McCutcheon.)
- McCutcheon, Stewart, Superior, Wis. Street-sprinkling device. No. 1,076,594; Oct. 21; Gaz. vol. 195; p. 748.
- McDade, John J., San Francisco, Cal. Device for affixing stamps and labels. No. 1,070,277; Aug. 12; Gaz. vol. 193; p. 437.
- McDaniel, Hibbard S. (See Peetz, McDaniel, and Thompson.) (Reissue.)
- McDaniel, B. H., *et al.* (See Ernest, Albert C., assignor.)
- McDaniel, Charles W., Memphis, Tenn. Mold. No. 1,053,420; Feb. 18; Gaz. vol. 187; p. 616.
- McDaniel, James, St. Louis, Mo. Hose coupling and clamping device. No. 1,066,935; July 8; Gaz. vol. 192; p. 388.
- McDaniel, James, Minneapolis, Minn. Grain-cleaning machine. No. 1,069,453; Aug. 5; Gaz. vol. 193; p. 128.
- McDaniel, Peter, and W. F. Kernodle, said McDaniel assignor to B. F. Jones, Frankfort, Ind. Priming device for explosive-engines. No. 1,064,150; June 10; Gaz. vol. 191; p. 371.
- McDeamid, William A., Fernandina, Fla. Pile-splice. No. 1,073,614; Sept. 23; Gaz. vol. 194; p. 761.
- McDermand, George E. (See Murray and McDermand.)
- McDermont, William. (See Woodrow, Charles O., assignor.)
- McDermott, Anna, Toledo, Ohio. Headwear. No. 1,056,433; Mar. 18; Gaz. vol. 188; p. 670.
- McDermott, Franklin P., Jr. (See Reuter and McDermott.)
- McDermott, Thomas E. (See Campbell, John, assignor.)
- McDevitt, Frederick H., Boston, Mass. Cleaner-roll mounting. No. 1,058,773; Apr. 15; Gaz. vol. 189; p. 554.

Alphabetical list of patentees—Continued.

- McDevitt, James B., Chicago, Ill. Water-trap for carbide light systems. No. 1,077,358; Nov. 4; Gaz. vol. 196; p. 41.
- McDevitt, Nellie, Edmonton, Alberta, Canada. Combined ironing-board and clothes-horse. No. 1,057,650; Apr. 1; Gaz. vol. 189; p. 86.
- McDicken, Daniel, Brooklyn, N. Y. Concrete wall construction for buildings. No. 1,060,272; Apr. 29; Gaz. vol. 189; p. 1144.
- McDonald, Albert C., Kalamazoo, Mich. Dandy-roll. No. 1,071,329; Aug. 26; Gaz. vol. 193; p. 867.
- McDonald, Amanda, Central City, S. D. Broom attachment. No. 1,061,486; May 13; Gaz. vol. 190; p. 352.
- McDonald, Amanda, Central City, S. D. Broom attachment. No. 1,080,572; Dec. 9; Gaz. vol. 197; p. 259.
- McDonald, Charles W., Noblesville, Ind. Automatic releasing device for equalizers. No. 1,052,739; Feb. 11; Gaz. vol. 187; p. 335.
- McDonald, Charlotte J., London, England. Wrinkle-preventer. No. 1,062,600; May 27; Gaz. vol. 190; p. 808.
- McDonald, Donald, Louisville, Ky. Reinforcing-bar for concrete. No. 1,052,683; Feb. 11; Gaz. vol. 187; p. 319.
- McDonald, Donald, Louisville, Ky. Regenerating iron-oxid used in gas purification. No. 1,061,859; May 13; Gaz. vol. 190; p. 476.
- McDonald, Donald, Louisville, Ky. Feed-water heater and purifier. No. 1,063,132; May 27; Gaz. vol. 190; p. 984.
- McDonald, Donald, New York, N. Y. Timing device for photographic-printing apparatus. No. 1,054,435; Feb. 25; Gaz. vol. 187; p. 999.
- McDonald, Duncan A. L., Montreal, Quebec, Canada. Street-car. No. 1,054,785; Mar. 4; Gaz. vol. 188; p. 45.
- McDonald, Duncan A. L., Montreal, Quebec, Canada, assignor to The Pay-As-You-Enter-Car Corporation, New York, N. Y. Turnstile mechanism. No. 1,049,587; Jan. 7; Gaz. vol. 186; p. 93.
- McDonald, George R., Berkeley, Cal. Continuous indicating-hydrometer. No. 1,071,167; Aug. 26; Gaz. vol. 193; p. 812.
- McDonald, George S., Wessington Springs, S. D. Gage-wheel structure. No. 1,071,450; Aug. 26; Gaz. vol. 193; p. 907.
- McDonald, Howard C., Buffalo, N. Y. Towel-holder. No. 1,075,047; Oct. 7; Gaz. vol. 195; p. 158.
- McDonald, Hugh L., Bridgeport, Cape Breton, Nova Scotia, Canada. Slide-valve-operating mechanism. No. 1,076,047; Oct. 21; Gaz. vol. 195; p. 556.
- McDonald, James A., Carter, Okla. Wedge. No. 1,063,460; June 3; Gaz. vol. 191; p. 97.
- McDonald, James B. (See Flint, McDonald, and Crabbs.)
- McDonald, John, Silver Creek, New Philadelphia, Pa. Mining-machine. No. 1,052,359; Feb. 4; Gaz. vol. 187; p. 174.
- McDonald, John A., Clarksburg, W. Va. Sand-reel for well-drilling rigs. No. 1,055,408; Mar. 11; Gaz. vol. 188; p. 290.
- McDonald Oil and Water Elevator Co. (See Mack, Stephen W., assignor.)
- McDonald, Randal A. (See Thompson, Ludlow, and McDonald.)
- McDonald, Ray, Austin, Tex. Paving. No. 1,065,545; June 24; Gaz. vol. 191; p. 912.
- McDonald, William, Pittsburgh, Pa. Diamond-cover for base-ball fields. No. 1,052,498; Feb. 11; Gaz. vol. 187; p. 256.
- McDonald, William J., Huntington, W. Va., assignor to American Car and Foundry Company, St. Louis, Mo. Mine-car wheel. No. 1,066,638; July 8; Gaz. vol. 192; p. 286.
- McDonald, William P., assignor to The Rookwood Pottery Company, Cincinnati, Ohio. Tile construction. No. 1,056,810; Mar. 25; Gaz. vol. 188; p. 829.
- McDonald, William R., Ferguson county, Mont. Lining for wagon-bodies. No. 1,059,058; Apr. 15; Gaz. vol. 189; p. 655.
- McDonald, William T. B., Granby, Quebec, assignor to MacDonald Car Buffer Limited, Montreal, Canada. Means for stopping trains. No. 1,077,286; Nov. 4; Gaz. vol. 196; p. 15.
- McDonnell, Cornelius P., Kansas City, Mo. Station-indicator. No. 1,082,036; Dec. 23; Gaz. vol. 197; p. 819.
- McDonnell, Edward J., Jr., Boston, Mass. Thermostatic device for determining the temperature of heated surfaces. No. 1,062,348; May 20; Gaz. vol. 190; p. 684.
- McDonnell, Milton E. (See Pease and McDonnell.)
- McDonough, Patrick H., Oakland, Cal. Joint. No. 1,071,330; Aug. 26; Gaz. vol. 193; p. 867.
- McDougal, William J., Rising Sun, Md. Vehicle-brake. No. 1,073,266; Sept. 16; Gaz. vol. 194; p. 619.
- McDougall, Isaac. (See McDougall, Isaac S., I., and S.)
- McDougall, Isaac and S., and F. Howles, Manchester, England. Manufacture of tar acids. No. 1,077,287; Nov. 4; Gaz. vol. 196; p. 15.
- McDougall, Isaac S., I., and S., Manchester, England. Insecticide, sheep-dip, vermifuge, &c. No. 1,065,156; June 17; Gaz. vol. 191; p. 742.
- McDougall, James A., Seattle, Wash. Spoke-planing machine. No. 1,065,617; June 24; Gaz. vol. 191; p. 936.
- McDougall, Sidney. (See McDougall and Howles.)
- McDougall, Sidney. (See McDougall, Isaac S., I., and S.)
- McDougall, William M., East Orange, N. J. Storage-battery plate. No. 1,051,147; Jan. 21; Gaz. vol. 186; p. 694.
- McDowell, Alexander, Lynn, Mass. Counter-guard for heel-trimming machines. No. 1,060,690; May 6; Gaz. vol. 190; p. 43.
- McDowell, C. F., *et al.* (See McCormick, William, assignor.)
- McElDowney, Wilber E., assignor of one-half to W. H. McAloney, Denver, Colo. Boring-bar. No. 1,060,926; May 6; Gaz. vol. 190; p. 125.
- McElPatrick, James T., Denver, Colo. Register. No. 1,062,177; May 20; Gaz. vol. 190; p. 626.
- McElhany, Robert R., assignor to National Electric Shoe Shining Machine Company, Pittsburgh, Pa. Shoe-shining machine. No. 1,063,991; June 10; Gaz. vol. 191; p. 315.
- McElroy Engine Company. (See McElroy, George E., assignor.)
- McElroy, George E., assignor to McElroy Engine Company, Newark, N. J. Gas-engine. No. 1,063,368; June 3; Gaz. vol. 191; p. 67.
- McElroy, Homer S., Onawa, Iowa. Button. No. 1,069,158; Aug. 5; Gaz. vol. 193; p. 23.
- McElroy, James F., Albany, N. Y., assignor to Consolidated Car Heating Company. Lock for door-motors. No. 1,056,924; Mar. 25; Gaz. vol. 188; p. 869.
- McElroy, James F., Albany, N. Y., assignor to Consolidated Car-Heating Company. Circuit-controlling thermostat. No. 1,063,369; June 3; Gaz. vol. 191; p. 67.
- McElroy, James F., Albany, N. Y., assignor to Consolidated Car-Heating Company. Door and step motor. No. 1,063,370; June 3; Gaz. vol. 191; p. 68.
- McElroy, James F., Albany, N. Y., assignor to Consolidated Car Heating Company. Electrically-heated boiler. No. 1,072,748; Sept. 9; Gaz. vol. 194; p. 397.
- McElroy, James F., Albany, N. Y., assignor to Consolidated Car Heating Company. Pressure-motor. No. 1,072,749; Sept. 9; Gaz. vol. 194; p. 397.
- McElroy, James F., Albany, N. Y., assignor to Consolidated Car Heating Company. Electric switch. No. 1,075,986; Oct. 14; Gaz. vol. 195; p. 508.
- McElroy, James H., Toronto, Ontario, Canada. Automatic-release car-coupling. No. 1,076,301; Oct. 21; Gaz. vol. 195; p. 643.
- McElroy, John H. (See Welling, Matthew J., assignor.)
- McElroy, John H., Chicago, Ill. Voting-machine. No. 1,049,382; Jan. 7; Gaz. vol. 186; p. 22.
- McElroy, John H., Chicago, Ill. Shower-bath apparatus. No. 1,056,811; Mar. 25; Gaz. vol. 188; p. 829.
- McElroy, John H., Chicago, Ill. Voting-machine. No. 1,075,718; Oct. 14; Gaz. vol. 195; p. 416.
- McElroy, John H., Chicago, Ill., assignor to Empire Voting Machine Company, Jamestown, N. Y. Voting-machine. No. 1,066,639; July 8; Gaz. vol. 192; p. 286.
- McElroy, Joseph A., New York, N. Y. Valve. No. 1,076,302; Oct. 21; Gaz. vol. 195; p. 643.
- McElwaine, Clayton B., assignor of one-half to R. E. Markham, Tulsa, Okla. Gas-burner. No. 1,078,588; Nov. 11; Gaz. vol. 196; p. 493.
- McEvoy, Timothy F., Pottstown, Pa. Derail. No. 1,073,990; Dec. 2; Gaz. vol. 197; p. 24.
- McEvoy, Timothy F., and C. J. Lepperd, Pottstown, Pa. Reversible hard-center frog. No. 1,072,866; Sept. 9; Gaz. vol. 194; p. 440.
- McEwan, Cassius W. (See Sturdy, Robert W., assignor.)
- McEwen Bros. (See Kerr, Charles V., assignor.)
- McEwen, Robert A., Natoma, Kans. Lever-control mechanism for motor-vehicles. No. 1,058,883; Apr. 15; Gaz. vol. 189; p. 595.
- McFadden, Anna M., Columbus, Ohio. Buttonhole reinforcement. No. 1,054,014; Feb. 25; Gaz. vol. 187; p. 855.
- McFadden, William, *et al.* (See Selah, Howard A., assignor.)
- McFadden, William B., Syracuse, N. Y. Vehicle-wheel. No. 1,056,109; Mar. 18; Gaz. vol. 188; p. 561.
- McFarland, Edward H. (See Hutchins and McFarland.)
- McFarland, Frank H., Fort Worth, Tex. Screen-door hinge. No. 1,053,421; Feb. 18; Gaz. vol. 187; p. 617.
- McFarland, Frank H., Fort Worth, assignor, by mesne assignments, to Frantz Standard Buckle Co., Weatherford, Tex. Bale-tie buckle. No. 1,061,860; May 13; Gaz. vol. 190; p. 476.
- McFarland, Harvey P., Milton, Iowa. Gate-hinge. No. 1,054,928; Mar. 4; Gaz. vol. 188; p. 93.
- McFarland, Harvey P., Milton, Iowa. Hinge. No. 1,057,972; Apr. 1; Gaz. vol. 189; p. 197.
- McFarland, Robert G. (See Cubbison and McFarland.)
- McFarland, William L., Fairfield, Ill. Concrete mixer and spreader. No. 1,070,156; Aug. 12; Gaz. vol. 193; p. 397.
- McFarlane, George C., Denver, Colo. Elastic-fluid compressor. No. 1,065,825; June 24; Gaz. vol. 191; p. 1006.
- McFarlane, Henry H., Extension, British Columbia, Canada. Envelop. No. 1,073,056; Sept. 9; Gaz. vol. 194; p. 509.

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- McFarlane Manufacturing Company. (See McFarlane, Robert, assignor.)
- McFarlane, Robert, Minneapolis, Minn., assignor to McFarlane Manufacturing Company, Chicago, Ill. Scale. No. 1,072,018; Sept. 2; Gaz. vol. 194; p. 120.
- McFarlane, Robert, Minneapolis, Minn., assignor to McFarlane Manufacturing Company, Chicago, Ill. Scale. No. 1,072,019; Sept. 2; Gaz. vol. 194; p. 120.
- McFarlane, Robert, Minneapolis, Minn., assignor to McFarlane Manufacturing Company, Chicago, Ill. Scale. No. 1,072,020; Sept. 2; Gaz. vol. 194; p. 121.
- McFarlane, Robert, Minneapolis, Minn., assignor to McFarlane Manufacturing Company, Chicago, Ill. Scale. No. 1,072,390; Sept. 2; Gaz. vol. 194; p. 245.
- McFeaters, George H., Johnstown, Pa. Pipe hanger or support. No. 1,063,566; June 3; Gaz. vol. 191; p. 134.
- McFeely, Ronald F., Beverly, Mass., assignor to United Shoe Machinery Company, Paterson, N. J. Machine for removing surplus material. No. 1,054,656; Feb. 25; Gaz. vol. 187; p. 1073.
- McFeely, Ronald F., Beverly, Mass., assignor to United Shoe Machinery Company, Paterson, N. J. Toe-binder. No. 1,059,309; Apr. 15; Gaz. vol. 189; p. 741.
- McFeely, Ronald F., Beverly, Mass., assignor to United Shoe Machinery Company, Paterson, N. J. Toe-binding apparatus. No. 1,059,310; Apr. 15; Gaz. vol. 189; p. 741.
- McFeely, Ronald F., Beverly, Mass., assignor to United Shoe Machinery Company, Paterson, N. J., and Boston, Mass. Pulling-over machine. No. 1,077,938; Nov. 4; Gaz. vol. 196; p. 240.
- McFell, Judson, Chicago, Ill. Selective signaling system. No. 1,051,148; Jan. 21; Gaz. vol. 186; p. 694.
- McFell, Judson, Chicago, Ill. Selective signaling system. No. 1,076,303; Oct. 21; Gaz. vol. 195; p. 644.
- McFell, Judson, Chicago, Ill. Fire-alarm and watch-service signaling means. No. 1,076,304; Oct. 21; Gaz. vol. 195; p. 644.
- McFetridge, Joseph, Vandergrift, assignor to American Sheet & Tin Plate Company, Pittsburgh, Pa. Stripping sheets. No. 1,063,054; May 27; Gaz. vol. 190; p. 958.
- McGaffey, William H., Detroit, Mich. Combined automobile and hydroplane. No. 1,059,482; Apr. 22; Gaz. vol. 189; p. 838.
- McGahan, Frederick L., St. Louis, Mo. High-pressure-pipe hinge. No. 1,056,762; Mar. 18; Gaz. vol. 188; p. 785.
- McGahee, Randolph M., Tampa, Fla. Dust-proof knuckle-joint. No. 1,054,015; Feb. 25; Gaz. vol. 187; p. 855.
- McGahey, Richard, Walla Walla, Wash. Loaded-truck-counting apparatus. No. 1,074,002; Sept. 23; Gaz. vol. 194; p. 896.
- McGarvey, Edward, assignor to International Electric Company, Bellefonte, Pa. Automatic recording-scale. No. 1,069,276; Aug. 5; Gaz. vol. 193; p. 66.
- McGary, Alexander. (See Jepson and McGary.)
- McGaughy, George C., Canadian, Tex. Sleigh-runner. No. 1,078,936; Nov. 18; Gaz. vol. 196; p. 646.
- McGaw, John, Jr., Kincardine, Ontario, Canada. Shipping apparatus for gill-nets. No. 1,051,610; Jan. 28; Gaz. vol. 186; p. 884.
- McGee, Arthur C., Olathe, Kans., assignor, by mesne assignments, to Economy Welding Machine Company, Kansas City, Mo. Oxygen-generator. No. 1,066,743; July 8; Gaz. vol. 192; p. 324.
- McGee, Arthur C., Olathe, Kans., assignor to G. E. Shand and R. E. Parsons, Kansas City, Mo. Acetylene-generator. No. 1,059,946; Apr. 22; Gaz. vol. 189; p. 989.
- McGee, Gilbert S., assignor to L. A. McGee, Powell, S. D. Potato-digger. No. 1,059,551; Apr. 22; Gaz. vol. 189; p. 861.
- McGee, Harry J., Punxsutawney, Pa. Overshoe-retainer. No. 1,049,892; Jan. 7; Gaz. vol. 186; p. 194.
- McGee, L. A. (See McGee, Gilbert S., assignor.)
- McGee, Michael J., assignor of one-third to B. F. Merritt, Macon, Ga. Combined locomotive tank-valve and goose-neck. No. 1,067,186; July 8; Gaz. vol. 192; p. 472.
- McGerry, Min De Lin, and F. P. Mies, Chicago, Ill., assignors to The Plural System Ventilator Co. Air-tempering device. No. 1,050,484; Jan. 14; Gaz. vol. 186; p. 433.
- McGhee, Nicholas B., and R. K. Acuff, Tempe, Ariz. Duplex dirt-wagon. No. 1,075,926; Oct. 14; Gaz. vol. 195; p. 487.
- McGhee, Roy J., and C. E. Anderson, Chicago, Ill. Partition for shipping-packages. No. 1,065,157; June 17; Gaz. vol. 191; p. 742.
- McGibney, George E. (See Harrison and McGibney.)
- McGill, Albert E., assignor to Alwin Manufacturing Company, Chicago, Ill. Folding perambulator. No. 1,053,422; Feb. 18; Gaz. vol. 187; p. 617.
- McGill, Albert E., assignor to Alwin Manufacturing Company, Chicago, Ill. Folding go-cart or baby-carriage. No. 1,053,423; Feb. 18; Gaz. vol. 187; p. 617.
- McGill, Albert E., assignor to Alwin Manufacturing Company, Chicago, Ill. Folding go-cart. No. 1,053,424; Feb. 18; Gaz. vol. 187; p. 618.
- McGill, Albert E., assignor to Alwin Manufacturing Company, Chicago, Ill. Folding perambulator. No. 1,057,569; Apr. 1; Gaz. vol. 189; p. 59.
- McGill, Albert L., Dayton, Ky., assignor to H. L. Shepard, Cincinnati, Ohio. Lathe step-gearing. No. 1,052,163; Feb. 4; Gaz. vol. 187; p. 111.
- McGill, Chester T., Elgin, Ill. Coin-controlled pencil-vending machine. No. 1,058,317; Apr. 8; Gaz. vol. 189; p. 361.
- McGill, Daniel J., Davison, Mich. Fence-post. No. 1,061,097; May 6; Gaz. vol. 190; p. 184.
- McGill, Wisdom, Waco, Tex. Wrench. No. 1,068,686; July 29; Gaz. vol. 192; p. 1093.
- McGimpsey, William C., Sioux City, Iowa. Combined fare-register and passenger-register. No. 1,051,906; Feb. 4; Gaz. vol. 187; p. 20.
- McGinn, Alexander, Williamsport, Pa. Nut-lock. No. 1,063,813; June 3; Gaz. vol. 191; p. 222.
- McGinnies, John, Longbeach, Cal. Non-refillable bottle. No. 1,069,969; Aug. 12; Gaz. vol. 193; p. 331.
- McGinnies, John, Longbeach, Cal. Rail-joint. No. 1,069,970; Aug. 12; Gaz. vol. 193; p. 332.
- McGinnis, Charles A., Cleveland, Ohio. Convertible gas and hot-flue water-heater. No. 1,058,190; Apr. 8; Gaz. vol. 189; p. 318.
- McGinnis, Harry B. (See McCarty and McGinnis.)
- McGinnis, Harry E., Cincinnati, Ohio. Derailer. No. 1,078,794; Nov. 18; Gaz. vol. 196; p. 599.
- McGinty, Bernard, Doylestown, Pa., assignor to Printer's Specialties Company. Feed-gage for printing-presses. No. 1,073,865; Sept. 23; Gaz. vol. 194; p. 848.
- McGinty, Bernard, Doylestown, Pa., assignor to Printers Specialties Company. Printing-press. No. 1,077,485; Nov. 4; Gaz. vol. 196; p. 87.
- McGlashan, George C., Dunedin, and D. Williams, Grey-mouth, New Zealand. Manufacture of chains. No. 1,050,370; Jan. 14; Gaz. vol. 186; p. 391.
- McLaughlin, George G. (See Slaback and McLaughlin.)
- McGlinchy, Albert P., Lincoln, Nebr. Automatic grease-plug lock. No. 1,082,091; Dec. 23; Gaz. vol. 197; p. 838.
- McGlynn, James H., Wilkes-Barre, Pa. Expandable pulley. No. 1,074,188; Sept. 30; Gaz. vol. 194; p. 986.
- McGoey, John. (See Barnes and McGoey.)
- McGonigal, Jerome T., Pottersdale, Pa. Combination railway-tie and clamp. No. 1,073,773; Sept. 23; Gaz. vol. 194; p. 819.
- McGonigal, Thomas. (See Rhinehart and Saponoff, assignors.)
- McGonigle, Charles W., Algona, assignor to Globe Telephone Company, Seattle, Wash. Telephone system. No. 1,076,990; Oct. 28; Gaz. vol. 195; p. 941.
- McGough, Edward, Wapakoneta, Ohio. Phone attachment. No. 1,051,611; Jan. 28; Gaz. vol. 186; p. 885.
- McGough, Thomas F., New Orleans, La. Motor-cultivator. No. 1,081,686; Dec. 16; Gaz. vol. 197; p. 670.
- McGovern, Michael, Moline, Ill. Calendar. No. 1,063,814; June 3; Gaz. vol. 191; p. 222.
- McGovern, Thomas L., and F. W. Allen, San Francisco, Cal. Alarm attachment for doors and windows. No. 1,074,003; Sept. 23; Gaz. vol. 194; p. 896.
- McGowan, Edward, Mulberry, Kans. Mining-machine. No. 1,077,418; Nov. 4; Gaz. vol. 196; p. 63.
- McGowan, Edward M., Fond du Lac, Wis. Fender for automobiles. No. 1,060,475; Apr. 29; Gaz. vol. 189; p. 1215.
- McGowan, Frank A., et al. (See Locke, William P., assignor.)
- McGowan, Leston W., Loughman, Fla. Car-mover. No. 1,058,450; Apr. 8; Gaz. vol. 189; p. 408.
- McGowan, Robert B., Cincinnati, Ohio. Pump-governor. No. 1,077,090; Oct. 28; Gaz. vol. 195; p. 974.
- McGowan, Scott, and L. Line, Dayton, Ohio. Chalk-holder. No. 1,072,247; Sept. 2; Gaz. vol. 194; p. 196.
- McGowan, William, Fall River, Mass., assignor of one-third to C. H. Bryant, Tiverton, R. I. Pillow-sham holder. No. 1,053,105; Feb. 11; Gaz. vol. 187; p. 464.
- McGowen, Joseph H., Watha, N. C. Cultivator. No. 1,062,923; May 27; Gaz. vol. 190; p. 915.
- McGranaghan, W. H. (See Hughes, Hugh T., assignor.)
- McGrath, Nicholas B. (See Scott and McGrath.)
- McGrath, T. J. (See Wells, William C., assignor.)
- McGraw, Walter E., Malden, assignor to Boston Clock Company, Boston, Mass. Vibration-recorder. No. 1,078,867; Nov. 18; Gaz. vol. 196; p. 624.
- McGregor, Albert G., Chicago, Ill. Photographic print and plate washer. No. 1,070,711; Aug. 19; Gaz. vol. 193; p. 628.
- McGregor, Donald A. (See Maillette and McGregor.)
- McGregor, Joseph G., Oak Park, assignor to The Adams & Westlake Company, Chicago, Ill. Lamp. No. 1,080,362; Dec. 2; Gaz. vol. 197; p. 157.
- McGregor, Murdoch, Bellefourche, S. D. Fence-post. No. 1,053,522; Feb. 18; Gaz. vol. 187; p. 651.
- McGregor, Robert. (See Alley and McGregor.)
- McGuane, Felix J., Chicago, Ill. Shaving-brush. No. 1,070,976; Aug. 19; Gaz. vol. 193; p. 713.
- McGuinness, Benjamin F., Saundersville, Mass., assignor to Crompton & Knowles Loom Works. Loom. No. 1,068,799; July 29; Gaz. vol. 192; p. 1134.

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- McGuiness, Benjamin F., Saundersville, Mass., assignor to Crompton & Knowles Loom Works. Filling-depressor for weft-replenishing looms. No. 1,070,712; Aug. 19; Gaz. vol. 193; p. 628.
- McGuire, Frank A., Iola, Kans. Non-resealable bottle. No. 1,072,139; Sept. 2; Gaz. vol. 194; p. 161.
- McGuire, Frank A., Iola, Kans. Cuspidor. No. 1,072,140; Sept. 2; Gaz. vol. 194; p. 161.
- McGuire, Frank A., Iola, Kans. Cuspidor. No. 1,079,656; Nov. 25; Gaz. vol. 196; p. 924.
- McGuire, Frederic F., Saginaw, Mich. Portable wardrobe. No. 1,075,298; Oct. 7; Gaz. vol. 195; p. 247.
- McGunnegle, James. (See Cartwright, Ernest O., assignor.)
- McHale, Michael, Columbus, Kans. Joint-chair. No. 1,061,844; June 17; Gaz. vol. 191; p. 641.
- McHarg, Arthur V. A., New York, N. Y. Meter-testing cut-out. No. 1,052,608; Feb. 11; Gaz. vol. 187; p. 293.
- McHarg, Arthur V. A., assignor to T. E. Murray, New York, N. Y. Seal-fastening. No. 1,054,436; Feb. 25; Gaz. vol. 187; p. 999.
- McHarge, William R., *et al.* (See Hupp, William R., assignor.)
- McHenry, Ernest L., Chicago, Ill. Hat-fastener. No. 1,061,682; May 13; Gaz. vol. 190; p. 422.
- McHenry, John C., Lesterville, Mo. Fence-clamp. No. 1,053,050; Feb. 11; Gaz. vol. 187; p. 444.
- McHenry, John E., assignor of one-half to R. E. Winstead, Mount Vernon, Ind. Cover for churns. No. 1,059,947; Apr. 22; Gaz. vol. 189; p. 989.
- McHenry, Samuel B., Chicago, Ill. Dust-mop. No. 1,080,711; Dec. 9; Gaz. vol. 197; p. 306.
- McHill, William R., Eureka, Kans. Shocking-machine. No. 1,081,247; Dec. 9; Gaz. vol. 197; p. 487.
- McIlvanie, William P., and W. S. Quinby, Bellingham, Wash. Shutter for moving-picture machines. No. 1,068,912; July 29; Gaz. vol. 192; p. 1174.
- McIlwain, Daniel V., Scottsbluff, Nebr. Dam apparatus for irrigating-ditches. No. 1,057,354; Mar. 25; Gaz. vol. 188; p. 1015.
- McInerney, Michael G., *et al.* (See Woodbridge, Howard C., assignor.)
- McInnerney, Benjamin, Council Bluffs, Iowa. Electrical regulation for electric motors. No. 1,066,513; July 8; Gaz. vol. 192; p. 241.
- McInnis, Austin, Richmond, Prince Edward Island, Canada. Station-indicator. No. 1,073,153; Sept. 16; Gaz. vol. 194; p. 578.
- McInroy, James P. (See Wolf, Ralph, assignor.)
- McIntire, Stephen A., New York, N. Y. Ventilating-fan. No. 1,063,275; June 3; Gaz. vol. 191; p. 36.
- McIntosh, Arthur M., Sydney, New South Wales, Australia. Aeroplane. No. 1,050,222; Jan. 14; Gaz. vol. 186; p. 340.
- McIntosh, Charles C., Los Angeles, assignor, by mesne assignments, to F. Stebler, Riverside, Cal. Fruit-sizer. No. 1,052,499; Feb. 11; Gaz. vol. 187; p. 257.
- McIntosh, David, Denver, Colo. Laboratory-crusher. No. 1,058,774; Apr. 15; Gaz. vol. 189; p. 555.
- McIntosh, George L., Los Angeles, assignor of two-thirds to K. L. Byrne and R. C. Olmsted, Pasadena, Cal. Mechanism for separating gas from liquids. No. 1,055,549; Mar. 11; Gaz. vol. 188; p. 336.
- McIntosh, James O., Caliente, Nev. Water-raising wheel. No. 1,078,103; Nov. 11; Gaz. vol. 196; p. 328.
- McIntosh, John G., Seattle, Wash. Machinery-efficiency recorder. No. 1,066,744; July 8; Gaz. vol. 192; p. 324.
- McIntosh, Junias A., Hendersonville, N. C. Rug-rack. No. 1,070,506; Aug. 19; Gaz. vol. 193; p. 560.
- McIntosh, Paul F. (See Dees and McIntosh.)
- McIntosh, Thomas J., South Lynchburg, S. C. Reversible fork and rake. No. 1,076,048; Oct. 21; Gaz. vol. 195; p. 557.
- McIntyre, Frank, assignor to Eagle Pencil Company, New York, N. Y. Combined cigar-lighter and pencil-point protector. No. 1,074,555; Sept. 30; Gaz. vol. 194; p. 1105.
- McIntyre, James, *et al.* (See Ring, Charles E., assignor.)
- McIntyre, John C., Hoopeston, assignor to Sprague Canning Machinery Company, Chicago, Ill. Rotary screen. No. 1,072,750; Sept. 9; Gaz. vol. 194; p. 398.
- McIntyre, John C., Hoopeston, assignor to Sprague Canning Machinery Company, Chicago, Ill. Corn-silking machine. No. 1,076,688; Oct. 28; Gaz. vol. 195; p. 834.
- McIntyre, John J., Hartford, Conn. Pump. No. 1,060,109; Apr. 29; Gaz. vol. 189; p. 1086.
- McIntyre, Joseph J. (See Mason and McIntyre.)
- McIntyre, Michael M., assignor to The Perfection Spring Company, Cleveland, Ohio. Vehicle-spring. No. 1,083,022; Dec. 30; Gaz. vol. 197; p. 1191.
- McIver, Harrison D., Bainbridge, Ga. Means for carrying mail-sacks on bicycles. No. 1,053,051; Feb. 11; Gaz. vol. 187; p. 444.
- McIver, James W., Houston, Tex. Shoe-drier. No. 1,074,888; Oct. 7; Gaz. vol. 195; p. 101.
- McKam, Lawrence G., assignor to Standard Saw and Manufacturing Company, Detroit, Mich. Saw-swage and shaper. No. 1,056,434; Mar. 18; Gaz. vol. 188; p. 670.
- McKam, Lawrence G., assignor to Standard Saw and Manufacturing Company, Detroit, Mich. Saw-swage. No. 1,056,755; Mar. 18; Gaz. vol. 188; p. 783.
- McKay, Edward B. (See Northrop, Walter, assignor.)
- McKay, George, Caledonia, N. Y. Machine for forming fireproof covering for walls and ceilings. No. 1,053,106; Feb. 11; Gaz. vol. 187; p. 464.
- McKay, George C., Battle Creek, Mich. Key-fastener. No. 1,050,968; Jan. 21; Gaz. vol. 186; p. 633.
- McKay, Henry N. (See Kurowski and McKay.)
- McKay, John J., Macon, Ga. Manifold-pad. No. 1,069,625; Aug. 5; Gaz. vol. 193; p. 185.
- McKay, John W., and F. J. Smith, Howard township, Kent county, Ontario, Canada. Coat and hat hanger. No. 1,069,713; Aug. 12; Gaz. vol. 193; p. 244.
- McKay, Joseph, assignor, by mesne assignments, to Hall, Hartwell & Co., Troy, N. Y. Fold-collar. No. 1,070,977; Aug. 19; Gaz. vol. 193; p. 714.
- McKay, Lee, De Soto, Mo. Journal-bearing. No. 1,052,360; Feb. 4; Gaz. vol. 187; p. 175.
- McKay, William F., La Grange, Ill. Multistrip kerfed-edge roofing. No. 1,063,710; June 3; Gaz. vol. 191; p. 189.
- McKay, William F., La Grange, Ill. Roofing. No. 1,080,647; Dec. 9; Gaz. vol. 197; p. 284.
- McKay, William J., Chicago, Ill. Pipe-cleaning apparatus. No. 1,068,599; July 29; Gaz. vol. 192; p. 1063.
- McKeage, Robert S., assignor to The Continental Motor Truck Co., Denver, Colo. Motor-truck body. No. 1,082,814; Dec. 30; Gaz. vol. 197; p. 1121.
- McKeage, William, Philadelphia, Pa. Horseshoe. No. 1,076,138; Oct. 21; Gaz. vol. 195; p. 587.
- McKean, John O., assignor to Foster Machine Company, Westfield, Mass. Winding-machine. No. 1,063,992; June 10; Gaz. vol. 191; p. 316.
- McKean, Thomas, New York, N. Y. Magazine tack-hammer. No. 1,059,186; Apr. 15; Gaz. vol. 189; p. 699.
- McKechnie, Herbert M., Toledo, Ohio. Lighting-fixture. No. 1,071,938; Sept. 2; Gaz. vol. 194; p. 93.
- McKechnie, James, assignor to Vickers Limited, Barrow-in-Furness, county of Lancaster, England. Means for supplying liquid fuel to internal-combustion engines. No. 1,066,936; July 8; Gaz. vol. 192; p. 389.
- McKechnie, James, assignor to Vickers Limited, Barrow-in-Furness, England. Internal-combustion engine. No. 1,079,422; Nov. 25; Gaz. vol. 196; p. 844.
- McKee, Charles H., Pittsburgh, Pa. Rotary disk. No. 1,077,288; Nov. 4; Gaz. vol. 196; p. 16.
- McKee, David, Wichita, Kans. Liquid-hydrocarbon burner. No. 1,074,804; Oct. 7; Gaz. vol. 195; p. 74.
- McKee, James I., Bloomington, Ill. Ticket-holder. No. 1,059,187; Apr. 15; Gaz. vol. 189; p. 699.
- McKee, Mierley T., Belle Valley, Ohio. Well-boring drill. No. 1,075,843; Oct. 14; Gaz. vol. 195; p. 459.
- McKee, Milton A., Westerly, R. I., assignor to C. B. Cottrell & Sons Company, New York, N. Y. Printing-plate-shaving machine. No. 1,054,130; Feb. 25; Gaz. vol. 187; p. 893.
- McKee, Milton A., Westerly, R. I., assignor to C. B. Cottrell & Sons Company, New York, N. Y. Treatment of printing-plates. No. 1,077,621; Nov. 4; Gaz. vol. 196; p. 131.
- McKee, Oliver P., Waukesha, Wis. Spring-wheel. No. 1,054,587; Feb. 25; Gaz. vol. 187; p. 1050.
- McKee, Oscar J. (See Moore and McKee.)
- McKee, Robert, Philadelphia, Pa. Explosive-engine. No. 1,061,308; May 13; Gaz. vol. 190; p. 291.
- McKee, Robert A., assignor to Allis-Chalmers Company, Milwaukee, Wis. Lubricating system. No. 1,053,846; Feb. 18; Gaz. vol. 187; p. 760.
- McKee, Thomas E. (See Edgar and McKee.)
- McKee, Thomas E., Maricopa, Cal. Fishing-tool. No. 1,056,197; Mar. 18; Gaz. vol. 188; p. 589.
- McKee, Thomas M., Newcastle, Ind. Extension-table. No. 1,057,072; Mar. 25; Gaz. vol. 188; p. 920.
- McKee, Walter S., Glencoe, Ill., assignor to Edgar Allen American Manganese Steel Company, Augusta, Me. Two-part dipper for excavating-machines. No. 1,077,486; Nov. 4; Gaz. vol. 196; p. 87.
- McKee, Walter S., Glencoe, Ill., and P. M. Vilas, Minneapolis, Minn., assignors to Edgar Allen American Manganese Steel Company, Augusta, Me. Dipper for excavating-machines. No. 1,069,889; Aug. 12; Gaz. vol. 193; p. 306.
- McKee, William E. (See Stacey, Lyman S., assignor.)
- McKeen Motor Car Company. (See Davis, William F., assignor.)
- McKeen Motor Car Company. (See McKee, William R., Jr., assignor.)
- McKeen, Thomas L., Easton, Pa. Buffer for locomotive and tender couplings. No. 1,074,445; Sept. 30; Gaz. vol. 194; p. 1071.
- McKeen, William H., Goldfield, Nev. Nail-set holder. No. 1,075,587; Oct. 14; Gaz. vol. 195; p. 371.
- McKeen, William R., Jr., assignor, by mesne assignments, to McKeen Motor Car Company, Omaha, Nebr. Safety device. No. 1,052,938; Feb. 11; Gaz. vol. 187; p. 407.

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- McKeen, William R., Jr., assignor, by mesne assignments, to McKeen Motor Car Company, Omaha, Nebr. Valve-gear. No. 1,061,098; May 6; Gaz. vol. 190; p. 184.
- McKeen, William R., Jr., assignor, by mesne assignments, to McKeen Motor Car Company, Omaha, Nebr. Internal-combustion engine. No. 1,065,262; June 17; Gaz. vol. 191; p. 777.
- McKeen, William R., Jr., assignor to McKeen Motor Car Company, Omaha, Nebr. Internal-combustion engine. No. 1,079,255; Nov. 18; Gaz. vol. 196; p. 756.
- McKeen, William R., Jr., assignor, by mesne assignments, to McKeen Motor Car Company, Omaha, Nebr. System of gas distribution for internal-combustion engines. No. 1,081,619; Dec. 16; Gaz. vol. 197; p. 648.
- McKeen, William R., Jr., and J. H. Grove, Omaha, Nebr. Locomotive ash-pan. No. 1,059,059; Apr. 15; Gaz. vol. 189; p. 655.
- McKelvey, John W. (See Mullen and McKelvey.)
- McKelvey, Robert J., Rochester, N. Y. Turn-table. No. 1,056,812; Mar. 25; Gaz. vol. 188; p. 830.
- McKenna, Francis E., Wauwatosa, Wis. Ground-wire connector. No. 1,054,227; Feb. 25; Gaz. vol. 187; p. 929.
- McKenney, James D. (See Le Count, McKenney, and Kinyon.)
- McKenney, John, Anaconda, Mont. Automatic reversible motor. No. 1,081,458; Dec. 16; Gaz. vol. 197; p. 597.
- McKenney, Walter A., and S. Beatham, Lincoln, Me. Door-operating device. No. 1,060,995; May 6; Gaz. vol. 190; p. 151.
- McKenzie, Angus, Jamestown, assignor, by mesne assignments, to Empire Voting Machine Company, Rochester, N. Y. Voting-machine. No. 1,066,514; July 8; Gaz. vol. 192; p. 242.
- McKenzie, Angus, Jamestown, assignor, by mesne assignments, to Empire Voting Machine Company, Rochester, N. Y. Voting-machine. No. 1,069,343; Aug. 5; Gaz. vol. 193; p. 90.
- McKenzie, Charles W., Center township, Hancock county, and T. J. West, Greenfield, Ind. Station-indicator. No. 1,067,617; July 15; Gaz. vol. 192; p. 656.
- McKenzie, Clinton J., Cincinnati, Ohio, assignor of one-fifth to A. Steinhauser, Newport, one-tenth to F. H. Albershart, Fort Thomas, Ky., and one-tenth to L. Le Saint, Cincinnati, Ohio. Safety apparatus for street-railways. No. 1,056,198; Mar. 18; Gaz. vol. 188; p. 590.
- McKenzie, Peter A., trustee. (See Voglesong, Clyde C., assignor.)
- McKenzie, Thomas W., Indianapolis, Ind. Heating device for cooking utensils. No. 1,069,344; Aug. 5; Gaz. vol. 193; p. 90.
- McKerahan, Charles A., Wilmerding, Pa. Car-coupling. No. 1,083,121; Dec. 30; Gaz. vol. 197; p. 1223.
- McKibbin, John B., Crafton, assignor of five-sixteenths to G. Wright, Jr., two-sixteenths to S. F. Long, and four-sixteenths to J. U. Wragg, Pittsburgh, Pa. Apparatus for the manufacture of metallic bands. No. 1,076,439; Oct. 21; Gaz. vol. 195; p. 692.
- McKiernan, Thomas W., Pottsville, Pa. Street-car fender. No. 1,075,155; Oct. 7; Gaz. vol. 195; p. 195.
- McKillips, Charles C. (See Anderson and McKillips.)
- McKillop, Samuel W., Cleveland, Ohio. Die-frame. No. 1,058,775; Apr. 15; Gaz. vol. 189; p. 555.
- McKillop, Samuel W., Cleveland, Ohio, assignor to The Thatcher-Rueter Manufacturing Company. Grease-cup. No. 1,073,154; Sept. 16; Gaz. vol. 194; p. 579.
- McKinley, Edward K., assignor of one-half to L. E. Pippen-ger, Jefferson City, Mo. Automatic controlling-valve. No. 1,075,662; Oct. 14; Gaz. vol. 195; p. 397.
- McKinney, Benjamin A., Harrisburg, Ark. Hay baler and press. No. 1,055,204; Mar. 4; Gaz. vol. 188; p. 184.
- McKinney, Charles H., and H. Houle, Helena, Mont. Accounting device. No. 1,053,052; Feb. 11; Gaz. vol. 187; p. 445.
- McKinney, Edward H. (See McKinney, Joseph S. and E. H.)
- McKinney, George B., Barry, Ill. Stool. No. 1,070,278; Aug. 12; Gaz. vol. 193; p. 438.
- McKinney, James L., Duluth, Minn. Tent-pin. No. 1,059,379; Apr. 22; Gaz. vol. 189; p. 801.
- McKinney, James P., Pittsburgh, Pa. Hinge. No. 1,076,689; Oct. 28; Gaz. vol. 195; p. 835.
- McKinney, Jasper, *et al.* (See Stevens, Bert, assignor.)
- McKinney, Jesse E. (See Huff and McKinney.)
- McKinney, John W., Tyrone, Pa. Trolley. No. 1,055,205; Mar. 4; Gaz. vol. 188; p. 184.
- McKinney, Joseph S. and E. H., Menlo, Kans. Drag-scraper. No. 1,068,687; July 29; Gaz. vol. 192; p. 1094.
- McKinney Traction Cultivator Company. (See McKinney, William A., assignor.)
- McKinney, William A., St. Louis, Mo., assignor to McKinney Traction Cultivator Company. Traction-cultivator frame. No. 1,076,049; Oct. 21; Gaz. vol. 195; p. 557.
- McKinney, William C., Toronto, Ontario, Canada, assignor to Standard Sanitary Manufacturing Company, Pittsburgh, Pa. Foot attachment. No. 1,078,104; Nov. 11; Gaz. vol. 196; p. 328.
- McKinney, William J., Clinton, Ky. Rail-joint. No. 1,055,934; Mar. 11; Gaz. vol. 188; p. 466.
- McKinnis Switch Lock Company. (See Kohn, Victor, assignor.)
- McKinnon, Allan, Holyoke, Mass. Chain pipe-wrench. No. 1,062,349; May 20; Gaz. vol. 190; p. 684.
- McKinnon Chain Company. (See McKinnon, Lachlan E., assignor.)
- McKinnon Chain Company. (See McKinnon and Southall, assignors.)
- McKinnon, Charles, Mindenmines, Mo. Mining-machine. No. 1,059,188; Apr. 15; Gaz. vol. 189; p. 700.
- McKinnon, Lachlan E., assignor to McKinnon Chain Company, Buffalo, N. Y. Electric welding-machine. No. 1,064,079; June 10; Gaz. vol. 191; p. 345.
- McKinnon, Lachlan E., assignor to McKinnon Chain Company, Buffalo, N. Y. Machine for making chains. No. 1,064,080; June 10; Gaz. vol. 191; p. 346.
- McKinnon, Lachlan E., and A. W. Southall, assignors, by mesne assignments, to McKinnon Chain Company, Buffalo, N. Y. Electric welding-machine. No. 1,064,078; June 10; Gaz. vol. 191; p. 345.
- McKinstry, John. (See Parrahn, James N., assignor.)
- McKissick, Hugh R., deceased, (S. McKissick, administrator,) assignor of one-half to J. S. Stone, Okemah, Okla. Wagon-brake. No. 1,073,267; Sept. 16; Gaz. vol. 194; p. 620.
- McKissick, Robert J. (See Mason and McKissick.)
- McKissick, Susie, administrator. (See McKissick, Hugh R.)
- McKlveen, Frank G., and L. W. Naylor, Denver, Colo., said Naylor assignor to said McKlveen. Engine-starter for automobiles. No. 1,054,303; Feb. 25; Gaz. vol. 187; p. 952.
- McKnight, Charles J. (See Bowman and McKnight.)
- McKnight, Thomas R., assignor to Western Wheeled Scraper Company, Aurora, Ill. Dump-car. No. 1,055,773; Mar. 11; Gaz. vol. 188; p. 412.
- McKnight, Thomas R., assignor to Western Wheeled Scraper Company, Aurora, Ill. Dump-car. No. 1,063,276; June 3; Gaz. vol. 191; p. 36.
- McKnight, Thomas R., assignor to Western Wheeled Scraper Company, Aurora, Ill. Dump-car. No. 1,064,845; June 17; Gaz. vol. 191; p. 641.
- McKnight, William M., assignor of one-half to A. M. Chambers, Houston, Tex. Drain-box for railway-crossings. No. 1,051,344; Jan. 21; Gaz. vol. 186; p. 759.
- McLain, John E. (See Hollis, Joseph, assignor.)
- McLain, Robert H., Schenectady, N. Y., assignor to General Electric Company. Motor-control system. No. 1,071,770; Sept. 2; Gaz. vol. 194; p. 35.
- McLanahan, Austin. (See Potts, Louis M., assignor.)
- McLane, Frederick A., E. H. Friedrich, and R. B. Warner, Holyoke, Mass. Ventilator. No. 1,077,847; Nov. 4; Gaz. vol. 196; p. 207.
- McLane, William B., Memphis, Mo. Combination pump and engine. No. 1,081,687; Dec. 16; Gaz. vol. 197; p. 670.
- McLarty, James A., Toronto, Ontario, Canada. Treating organic and inorganic materials. No. 1,072,751; Sept. 9; Gaz. vol. 194; p. 398.
- McLarty, James A., Toronto, Ontario, Canada. Treating ores. No. 1,072,752; Sept. 9; Gaz. vol. 194; p. 399.
- McLarty, James A., Toronto, Ontario, Canada. Treating ores. No. 1,072,753; Sept. 9; Gaz. vol. 194; p. 399.
- McLarty, James A., Toronto, Ontario, Canada. Treating metals. No. 1,073,076; Sept. 9; Gaz. vol. 194; p. 517.
- McLarty, James A., Toronto, Ontario, Canada. Hardening copper. No. 1,079,786; Nov. 25; Gaz. vol. 196; p. 974.
- McLarty, James A., Toronto, Ontario, Canada. Treating metals. No. 1,079,787; Nov. 25; Gaz. vol. 196; p. 974.
- McLarty, James A., Toronto, Ontario, Canada. Ore-reducing process. No. 1,079,788; Nov. 25; Gaz. vol. 196; p. 974.
- McLarty, John. (See Eversen and McLarty.)
- McLaughlin, Albert G. (See Hauser and McLaughlin.)
- McLaughlin, Andrew C., Palo Alto, assignor of forty-nine one-hundredths to H. B. Truett, San Francisco, Cal. Apparatus for automatically separating gases from liquids. No. 1,059,060; Apr. 15; Gaz. vol. 189; p. 656.
- McLaughlin, Edward O., Masontown, Pa. Non-breakable safety lamp-glass. No. 1,072,021; Sept. 2; Gaz. vol. 194; p. 121.
- McLaughlin, Frank, Philadelphia, Pa. Window-ventilator. No. 1,060,348; Apr. 29; Gaz. vol. 189; p. 1171.
- McLaughlin, Frank, Philadelphia, Pa. Window-screen. No. 1,074,571; Sept. 30; Gaz. vol. 194; p. 1111.
- McLaughlin, Frank, Philadelphia, Pa., assignor, by mesne assignments, to International Window Manufacturing Company, Dover, Del. Lock for pivoted windows. No. 1,073,268; Sept. 16; Gaz. vol. 194; p. 620.
- McLaughlin, George A., *et al.* (See Christman, Matthias, assignor.)
- McLaughlin, Hugh L., Cleveland, Okla. Plug for oil and gas wells. No. 1,050,557; Jan. 14; Gaz. vol. 186; p. 458.
- McLaughlin, John C., Jersey City, N. J., assignor to Underwood Typewriter Company, New York, N. Y. Type-writing machine. No. 1,062,569; May 20; Gaz. vol. 190; p. 756.

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- McLaughlin, John C., Jersey City, N. J., assignor to Underwood Typewriter Company, New York, N. Y. Type-writing machine. No. 1,062,835; May 27; Gaz. vol. 190; p. 885.
- McLaughlin, John C., Jersey City, N. J., assignor to Underwood Typewriter Company, New York, N. Y. Type-writing machine. No. 1,063,165; May 27; Gaz. vol. 190; p. 995.
- McLaughlin, John C., Jersey City, N. J., assignor to Underwood Typewriter Company, New York, N. Y. Desk-clamp for type-writing machines. No. 1,063,716; June 3; Gaz. vol. 191; p. 190.
- McLaughlin, John C., Jersey City, N. J., assignor to Underwood Typewriter Company, New York, N. Y. Type-writing machine. No. 1,063,815; June 3; Gaz. vol. 191; p. 222.
- McLaughlin, John C., Jersey City, N. J., assignor to Underwood Typewriter Company, New York, N. Y. Soldering-clamp. No. 1,063,816; June 3; Gaz. vol. 191; p. 223.
- McLaughlin, John C., Jersey City, N. J., assignor to Underwood Typewriter Company, New York, N. Y. Type-writing machine. No. 1,063,817; June 3; Gaz. vol. 191; p. 223.
- McLaughlin, John C., Jersey City, N. J., assignor to Underwood Typewriter Company, New York, N. Y. Type-writing machine. No. 1,063,924; June 3; Gaz. vol. 191; p. 258.
- McLaughlin, John C., Jersey City, N. J., assignor to Underwood Typewriter Company, New York, N. Y. Type-writing machine. No. 1,064,081; June 10; Gaz. vol. 191; p. 346.
- McLaughlin, John C., Jersey City, N. J., assignor to Underwood Typewriter Company, New York, N. Y. Type-writing machine. No. 1,065,826; June 24; Gaz. vol. 191; p. 1006.
- McLaughlin, John C., Jersey City, N. J., assignor to Underwood Typewriter Company, New York, N. Y. Type-writing machine. No. 1,066,029; July 1; Gaz. vol. 192; p. 44.
- McLaughlin, John C., Jersey City, N. J., assignor to Underwood Typewriter Company, New York, N. Y. Type-writing machine. No. 1,069,020; July 29; Gaz. vol. 192; p. 1209.
- McLaughlin, John C., Jersey City, N. J., assignor to Underwood Typewriter Company, New York, N. Y. Type-writing machine. No. 1,069,890; Aug. 12; Gaz. vol. 193; p. 306.
- McLaughlin, John C., Jersey City, N. J., assignor to Underwood Typewriter Company, New York, N. Y. Type-writing machine. No. 1,069,891; Aug. 12; Gaz. vol. 193; p. 307.
- McLaughlin, John C., Jersey City, N. J., assignor to Underwood Typewriter Company, New York, N. Y. Type-writing machine. No. 1,070,279; Aug. 12; Gaz. vol. 193; p. 438.
- McLaughlin, John C., Jersey City, N. J., assignor to Underwood Typewriter Company, New York, N. Y. Type-writing machine. No. 1,080,117; Dec. 2; Gaz. vol. 197; p. 70.
- McLaughlin, John L., Warren, Ill. Pail. No. 1,050,156; Jan. 14; Gaz. vol. 186; p. 318.
- McLaughlin, Robert B., Newton, Mass. Trip mechanism for sheet-feeders. No. 1,077,889; Nov. 4; Gaz. vol. 196; p. 222.
- McLaughlin, Robert J., New York, N. Y. Centrifugal aerocycle. No. 1,060,200; Apr. 29; Gaz. vol. 189; p. 1117.
- McLean, Archibald, Fort Stellacoom, Wash. Rod-packing and making same. No. 1,082,890; Dec. 30; Gaz. vol. 197; p. 1147.
- McLean, Crosby C., assignor to Allegheny Plate Glass Company, Pittsburgh, Pa. Apparatus for delivering abrasive material. No. 1,081,762; Dec. 16; Gaz. vol. 197; p. 696.
- McLean, Donald G., assignor to The Randall-Faichney Company, Boston, Mass. Clinical-thermometer casing. No. 1,060,553; Apr. 29; Gaz. vol. 189; p. 1242.
- McLean, Embury, New York, N. Y. Fan-blower. No. 1,056,813; Mar. 25; Gaz. vol. 188; p. 830.
- McLean, Embury, Brooklyn, N. Y. Pressure-regulating apparatus. No. 1,071,771; Sept. 2; Gaz. vol. 194; p. 36.
- McLean, John J., Moose Jaw, Saskatchewan, Canada. Internal-combustion engine. No. 1,077,992; Nov. 11; Gaz. vol. 196; p. 289.
- McLean, Laughlin F., administrator. (See Harrison, Charles R.)
- McLean, Robert W., Bridgewater, assignor to Carver Cotton Gin Company, East Bridgewater, Mass. Cotton-seed shaker-separator. No. 1,067,263; July 15; Gaz. vol. 192; p. 536.
- McLean, Robert W., Bridgewater, assignor to Carver Cotton Gin Company, East Bridgewater, Mass. Cotton-seed huller. No. 1,079,657; Nov. 25; Gaz. vol. 196; p. 925.
- McLean, William J., Everett, Mass. Corset-fastener. No. 1,075,048; Oct. 7; Gaz. vol. 195; p. 158.
- McLee, John, *et al.* (See Beery, Clinton E., assignor.)
- McLellan, James, Kankakee, Ill. Picture-frame. No. 1,077,622; Nov. 4; Gaz. vol. 196; p. 131.
- McLellan, James, Kankakee, Ill. Picture-frame. No. 1,077,623; Nov. 4; Gaz. vol. 196; p. 132.
- McLellan, John, Providence, R. I. Multiple-drill machine. No. 1,075,588; Oct. 14; Gaz. vol. 195; p. 372.
- McLellan, John, assignor of one-half to W. A. Millard, Jr., Providence, R. I. Combined separable collar and fastening means therefor. No. 1,081,273; Dec. 9; Gaz. vol. 197; p. 496.
- McLendon, Thomas S., near Waco, Ga. Derrick. No. 1,051,247; Jan. 21; Gaz. vol. 186; p. 727.
- McLennan, Duncan G. (See Hight and McLennan.)
- McLennan, William S., Glasgow, Scotland. Music-stool. No. 1,074,514; Sept. 30; Gaz. vol. 194; p. 1092.
- McLeod, Alexander, Winnipeg, Manitoba, Canada. Sheaf-loader. No. 1,077,888; Nov. 4; Gaz. vol. 196; p. 222.
- McLeod, Daniel C., Cedar Rapids, Iowa. Framing-tool or protractor. No. 1,050,969; Jan. 21; Gaz. vol. 186; p. 633.
- McLeod, George T., Boston, Mass., assignor, by mesne assignments, to United Shoe Machinery Company, Paterson, N. J. Heel-breasting machine. (Reissue.) No. 13,565; May 20; Gaz. vol. 190; p. 761.
- McLeod, James, St. Kilda, Victoria, Australia. Tread-band for pneumatic-tire wheels. No. 1,053,847; Feb. 18; Gaz. vol. 187; p. 760.
- McLeod, John C., Cincinnati, Ohio. Medicament-holder. No. 1,051,149; Jan. 21; Gaz. vol. 186; p. 695.
- McLeod, Nelson W., assignor to American Tire Company, St. Louis, Mo. Pneumatic-tire casing. No. 1,055,774; Mar. 11; Gaz. vol. 188; p. 413.
- McLeran, Frederick B., Wrenshall, Minn. Bull-lead. No. 1,051,428; Jan. 28; Gaz. vol. 186; p. 821.
- McLevie, William J., Euclid Beach, Ohio. Merry-go-round. No. 1,066,640; July 8; Gaz. vol. 192; p. 287.
- McLinden, James, *et al.* (See Selah, Howard A., assignor.)
- McMahon, Frank, assignor of one-half to F. W. Schmidt, Union City, Ind. Automatic contacting device. No. 1,075,987; Oct. 14; Gaz. vol. 195; p. 508.
- McMahon, Henry G. (See Sanborn, McMahon, Overbury, and Young.)
- McMahon, James, New York, N. Y. Support for masonry arches and the like. No. 1,055,345; Mar. 11; Gaz. vol. 188; p. 269.
- McMahon, James, Patterson, N. J. Gage for looms. No. 1,064,757; June 17; Gaz. vol. 191; p. 614.
- McManigal, Frank S., Thermopolis, Wyo. Pen-extractor. No. 1,049,507; Jan. 7; Gaz. vol. 186; p. 63.
- McManigal Grateless Furnace Company, The. (See McManigal, Robert D., assignor.)
- McManigal, Robert D., Logan, assignor to The McManigal Grateless Furnace Company, Columbus, Ohio. Furnace. No. 1,081,545; Dec. 16; Gaz. vol. 197; p. 626.
- McManis, John V., Baird, Tex., and W. L. Sherwood, Kirksville, Mo.; said Sherwood assignor to said McManis. Osteopathic table. No. 1,062,489; May 20; Gaz. vol. 190; p. 730.
- McManus, James P. (See Breckenridge, George M., assignor.)
- McManus, Lloyd E., Decatur, Ill. Rail-joint. No. 1,068,356; July 22; Gaz. vol. 192; p. 942.
- McMartin, Malcolm J., assignor to Duluth Corrugating & Roofing Company, Duluth, Minn. Corrugated-pipe construction. No. 1,076,595; Oct. 21; Gaz. vol. 195; p. 748.
- McMeans, William, West Liberty, Iowa. Sleigh-propeller. No. 1,071,772; Sept. 2; Gaz. vol. 194; p. 36.
- McMeen & Miller. (See Miller, Kempster B., assignor.)
- McMillan, Eugene C., Laredo, Tex. Handle-fastener. No. 1,052,077; Feb. 4; Gaz. vol. 187; p. 80.
- McMillan, Eugene C., assignor of one-third to A. Martin, Laredo, Tex. Ratchet-drill. No. 1,069,714; Aug. 12; Gaz. vol. 193; p. 245.
- McMillan, Hugh P., Baltimore, Md. Razor. No. 1,058,318; Apr. 8; Gaz. vol. 189; p. 362.
- McMillan, Hugh P., assignor to W. A. Tottle & Co., Baltimore, Md. Manufacture of brushes. No. 1,063,166; May 27; Gaz. vol. 190; p. 995.
- McMillan, James, Chicago, Ill. Steam-boiler furnace. No. 1,065,702; June 24; Gaz. vol. 191; p. 965.
- McMillan, James T., Detroit, Mich. Window-shield. No. 1,057,651; Apr. 1; Gaz. vol. 189; p. 87.
- McMillan, James T., Detroit, Mich. Tackle-block. No. 1,077,993; Nov. 11; Gaz. vol. 196; p. 289.
- McMillan, John, Clinton, British Columbia, Canada. Automatic gate-opening mechanism. No. 1,076,139; Oct. 21; Gaz. vol. 195; p. 588.
- McMillan, Peter, Monango, N. D. Anchoring device for wire-stretchers. No. 1,064,238; June 10; Gaz. vol. 191; p. 401.
- McMillan, Thomas E. (See Strow and McMillan.)
- McMillan, Walter R., Flatbush, N. Y. Dental floss-holder. No. 1,053,523; Feb. 18; Gaz. vol. 187; p. 651.
- McMillen, James. (See Williams, Harry S., assignor.)
- McMillin, Edward A., North Adams, Mass., assignor to The E. A. McMillin Company, Philmont, N. Y. Cloth-winding machine. No. 1,055,409; Mar. 11; Gaz. vol. 188; p. 290.

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- McMillon, Denny C., Los Angeles, Cal. Combined tire-valve and pressure-governor. No. 1,053,623; Feb. 18; Gaz. vol. 187; p. 685.
- McMinn, Robert L., Asheville, N. C. Clothes-line. No. 1,054,704; Mar. 4; Gaz. vol. 188; p. 17.
- McMinn, Thomas L., Gunter'sville, Ala. Stalk-cutter. No. 1,052,839; Feb. 11; Gaz. vol. 187; p. 372.
- McMonies, Frederick J., L. H. and J. J. Hamley, Pendleton, Oreg. Riding-saddle rigging. No. 1,055,410; Mar. 11; Gaz. vol. 188; p. 290.
- McMullen, Alfred R., Toronto, Ontario, Canada. Wood-polish. No. 1,067,359; July 15; Gaz. vol. 192; p. 569.
- McMullen, George B. (See McMullen, George W. and G. B.) (Reissue.)
- McMullen, George H., Malvern, Pa. Fence. No. 1,055,775; Mar. 11; Gaz. vol. 188; p. 413.
- McMullen, George W. and G. B., Picton, Ontario, Canada, assignors, by mesne assignments, to Z. G. Simmons, Kenosha, Wis., A. W. Preston, Swampscott, and B. W. Palmer, Boston, Mass., trustees. Making sugar and by-products from sugar-cane. (Reissue.) No. 1,352,7; Feb. 11; Gaz. vol. 187; p. 478.
- McMullen, John, Attleboro, Mass. Mount for eyeglasses. No. 1,065,314; June 17; Gaz. vol. 191; p. 795.
- McMurtrie, Adnah, assignor to Thomas & Betts Company, New York, N. Y. Electrical wiring apparatus. No. 1,049,752; Jan. 7; Gaz. vol. 186; p. 147.
- McMurtrie, John M., and I. Robertson, Glasgow, Scotland. Hydrocarbon-burner. No. 1,077,848; Nov. 4; Gaz. vol. 196; p. 207.
- McMurtry, Alden L., Sound Beach, Conn. Tire-rim tool. No. 1,058,619; Apr. 8; Gaz. vol. 189; p. 464.
- McMurtry, Alden L., Sound Beach, Conn. Apparatus for scenic and musical effects. No. 1,071,939; Sept. 2; Gaz. vol. 194; p. 93.
- McMurtry, Nannie, Carthage, Mo. Bandeau. No. 1,051,248; Jan. 21; Gaz. vol. 186; p. 727.
- McNab, Alexander, assignor to The McNab Company, Bridgeport, Conn. Draft-indicator for ships. No. 1,062,291; May 20; Gaz. vol. 190; p. 665.
- McNab, Alexander, assignor to The McNab Company, Bridgeport, Conn. Audible signal for determining the temperatures of sea-water. No. 1,062,292; May 20; Gaz. vol. 190; p. 665.
- McNab Company, The. (See McNab, Alexander, assignor.)
- McNab, Warren G., Wyandotte, and R. J. McCleery, Detroit, Mich. Automobile-lock. No. 1,078,105; Nov. 11; Gaz. vol. 196; p. 328.
- McNair, Robert W. M. (See Woods, Nelson T., assignor.)
- McNamara, James, Brooklyn, N. Y., assignor to Mergenthaler Linotype Company. Typographical machine. No. 1,076,140; Oct. 21; Gaz. vol. 195; p. 588.
- McNamara, James A., New York, N. Y. Umbrella. No. 1,067,435; July 15; Gaz. vol. 192; p. 594.
- McNamara, John. (See Sutton, Harry F., assignor.)
- McNamara, Wilbur B., Kansas City, Mo. Paper-folding machine. No. 1,063,993; June 10; Gaz. vol. 191; p. 316.
- McNamee, James, Amsterdam, N. Y. Circular spring-needle knitting-machine. No. 1,050,970; Jan. 21; Gaz. vol. 186; p. 633.
- McNamee, James, Amsterdam, N. Y. Starting device. No. 1,053,195; Feb. 18; Gaz. vol. 187; p. 538.
- McNames, George D. (See Downs and McNames.)
- McNaught, Frank H., *et al.* (See Downie, Manzer W., assignor.)
- McNaughton, James A., New York, assignor of one-half to G. Pluskat, Brooklyn, N. Y. Table attachment. No. 1,072,248; Sept. 2; Gaz. vol. 194; p. 196.
- McNeal, Luther C., Rochester, N. Y. Mop-wringer. No. 1,076,306; Oct. 21; Gaz. vol. 195; p. 645.
- McNear, Samuel A. (See Birchler, Joseph M., assignor.)
- McNeel, William P., San Antonio, Tex. Electric-lamp attachment. No. 1,075,365; Oct. 14; Gaz. vol. 195; p. 294.
- McNeil, Chester, assignor to Union Special Machine Company, Chicago, Ill. Seam for sewed articles. No. 1,062,293; May 20; Gaz. vol. 190; p. 666.
- McNeil, Donald, Halifax, Nova Scotia, Canada. Chisel-gage. No. 1,076,900; Oct. 28; Gaz. vol. 195; p. 909.
- McNeil, George A. (See Hibbard, George L., assignor.)
- McNeil, John and W. A., Govan, Glasgow, Scotland. Sugar-cane and like mill. No. 1,071,646; Aug. 26; Gaz. vol. 193; p. 972.
- McNeil, Roy, Cape Breton, Nova Scotia, Canada. Rail-fastener. No. 1,072,754; Sept. 9; Gaz. vol. 194; p. 399.
- McNeil, William A. (See McNeil, John and W. A.)
- McNelly, Joseph, Collingswood, N. J., assignor to Union Special Machine Company, Chicago, Ill. Folding and guiding device. No. 1,082,351; Dec. 23; Gaz. vol. 197; p. 928.
- McNerney, Jeremiah J. (See Hiles and McNerney.)
- McNerney, John J., Watervliet, N. Y. Fastening device for casket-covers. No. 1,061,552; May 13; Gaz. vol. 190; p. 376.
- McNichols, John P. (See Neher, Benjamin P., assignor.)
- McNicol, Harley L. (See Skeen and McNicol.)
- McNiff, Gilbert P., Munhall, Pa. Treating cast ingots. No. 1,053,738; Feb. 18; Gaz. vol. 187; p. 726.
- McNulty, Thomas E., San Francisco, Cal. Extension and lifting lid for desks. No. 1,061,194; May 6; Gaz. vol. 190; p. 216.
- McNulty, Thomas J., Brookhaven, Miss. Machine for stripping oil-cakes. No. 1,074,446; Sept. 30; Gaz. vol. 194; p. 1072.
- McOmber, James N., Nashville, Mich. Vehicle-tongue. No. 1,065,957; July 1; Gaz. vol. 192; p. 19.
- McOuat, Thomas, La Chute, Quebec, Canada. Valve for pulp-pumps. No. 1,061,768; May 13; Gaz. vol. 190; p. 449.
- McParland, Joseph F., Dubuque, Iowa. Drain-head. No. 1,071,253; Aug. 26; Gaz. vol. 193; p. 842.
- McPherson, Arthur, Beaumont, Tex. Demountable rim. No. 1,073,506; Sept. 16; Gaz. vol. 194; p. 702.
- McPherson, Daniel J., Cheraw, S. C. Railway cross-tie and joint-clamp. No. 1,063,150; May 27; Gaz. vol. 190; p. 990.
- McPherson, John, Jr., Detroit, Mich. Liquid-dispensing apparatus. No. 1,068,067; July 22; Gaz. vol. 192; p. 841.
- McPherson, William A. (See Borchert, William, assignor.)
- McProud, David W., Farmland, Ind. Automatic device for corn-planters. No. 1,073,269; Sept. 16; Gaz. vol. 194; p. 620.
- McQuarrie, James L. (See Scribner, McQuarrie, and Craft.)
- McQuay, Louis E., Webster Groves, Mo., and W. K. Norris, East St. Louis, Ill. Packing-ring. No. 1,071,647; Aug. 26; Gaz. vol. 193; p. 972.
- McQuillan, Isaac G., assignor to Winterton Manufacturing Company, Pittsburgh, Pa. Wind-shield. No. 1,055,346; Mar. 11; Gaz. vol. 188; p. 269.
- McQuillan, Isaac G., assignor to Winterton Manufacturing Company, Pittsburgh, Pa. Wind-shield. No. 1,057,570; Apr. 1; Gaz. vol. 189; p. 60.
- McQuillan, Jacob M., assignor to Winterton Manufacturing Company, Pittsburgh, Pa. Wind-shield. No. 1,052,078; Feb. 4; Gaz. vol. 187; p. 81.
- McQuirk, Thomas A., Tonkawa, Okla. Concrete post. No. 1,064,356; June 10; Gaz. vol. 191; p. 440.
- McQuown, Thomas H., Cambridge, Mass. Ship's log. No. 1,061,309; May 13; Gaz. vol. 190; p. 291.
- McRae, Arthur A., *et al.* (See Wakefield, Francis J., assignor.)
- McRae, Charles D. (See McRae, Vanderburgh and C. D.)
- McRae, James, Greenville, Fla. Rotary engine. No. 1,053,739; Feb. 18; Gaz. vol. 187; p. 727.
- McRae, James C., Jr., Dunbar, S. C. Plow. No. 1,078,741; Nov. 18; Gaz. vol. 196; p. 580.
- McRae, Vanderburgh and C. D., Minneapolis, Minn. Dental plate-waxer. No. 1,070,905; Aug. 19; Gaz. vol. 193; p. 691.
- McRaven, John, Little Rock, Ark. Type-writing machine. No. 1,071,254; Aug. 26; Gaz. vol. 193; p. 842.
- McReynolds, John T., Lilly, Ill. Automatic car-oiler. No. 1,053,740; Feb. 18; Gaz. vol. 187; p. 727.
- McSalley, John A., St. Louis, Mo. Water-heater. No. 1,070,052; Aug. 12; Gaz. vol. 193; p. 360.
- McSheehy, Bartholomew E. (See Africa and McSheehy.)
- McSorley, William J., and J. W. Scott, Eau Claire, Wis. Sawing-machine. No. 1,067,360; July 15; Gaz. vol. 192; p. 569.
- McSpirit, Francis J., Jersey City, N. J. Inhaler and respirator. No. 1,068,800; July 29; Gaz. vol. 192; p. 1134.
- McTammany Ballot Company. (See McTammany, John, assignor.)
- McTammany, John, Stamford, Conn. Machine for perforating master-sheets for operating type-writers, &c. No. 1,063,818; June 3; Gaz. vol. 191; p. 223.
- McTammany, John, Stamford, Conn. Machine for printing master-sheets for type-writer operators, &c. No. 1,075,366; Oct. 14; Gaz. vol. 195; p. 295.
- McTammany, John, Spencer, Mass., assignor, by mesne assignments, to McTammany Ballot Company, Portland, Me. Voting-machine. No. 1,065,703; June 24; Gaz. vol. 191; p. 965.
- McVey, Grant A., *et al.* (See Maxfield, Charles A., assignor.)
- McWane, Charles W., Lynchburg, Va. Permanent mold and means for operating the same. No. 1,083,122; Dec. 30; Gaz. vol. 197; p. 1224.
- McWane, Charles W., assignor to Lynchburg Foundry Company, Lynchburg, Va. Boltless plow-point. No. 1,076,440; Oct. 21; Gaz. vol. 195; p. 693.
- McWane, Charles W., assignor to Lynchburg Foundry Company, Lynchburg, Va. Boltless moldboard and land-side plow. No. 1,076,507; Oct. 21; Gaz. vol. 195; p. 716.
- McWethy, Frank L., Marshall, Mich. Truss-pad. No. 1,072,970; Sept. 9; Gaz. vol. 194; p. 479.
- McWhinney, Alfred H., Macomb, Ill. Trap. No. 1,064,082; June 10; Gaz. vol. 191; p. 347.
- McWhirter, John S., New York, N. Y., assignor to Consolidated Car Heating Company. Car-heating apparatus. No. 1,064,151; June 10; Gaz. vol. 191; p. 371.

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- McWilliams, Cloyd C., and J. Miller, Schenectady, N. Y. Oil-burner. No. 1,055,411; Mar. 11; Gaz. vol. 188; p. 291.
- McWilliams, Holden C., Philadelphia, Pa. Hook and eye. No. 1,068,600; July 29; Gaz. vol. 192; p. 1063.
- McWilliams, Ray F., Barryton, Mich. Bean-sorter. No. 1,080,988; Dec. 9; Gaz. vol. 197; p. 403.
- McWilliams, Ted E., Alva, Okla. Screen. No. 1,077,849; Nov. 4; Gaz. vol. 196; p. 208.
- McWilliams, William J., Lost Cabin, Wyo. Wagon-tongue hounds. No. 1,079,873; Nov. 25; Gaz. vol. 196; p. 1002.
- McWolfe, Cleave, Vernal, Utah. Motor. No. 1,074,059; Sept. 23; Gaz. vol. 194; p. 913.
- McGill, George V., Albion, Pa. Fluid-pressure-releasable lock for freight-car doors. No. 1,050,556; Jan. 14; Gaz. vol. 186; p. 458.
- Meacham, Benjamin E., Lorain, Ohio, assignor to American Stove Company, St. Louis, Mo. Automatic water-heater. No. 1,082,131; Dec. 23; Gaz. vol. 197; p. 850.
- Meacham, Edward A., Springfield, Mass. Combined faucet and drinking-fountain. No. 1,050,971; Jan. 21; Gaz. vol. 186; p. 634.
- Meacham, John H., Haverhill, Mass., assignor to United Shoe Machinery Company, Paterson, N. J. Apparatus for measuring boots and shoes. No. 1,071,773; Sept. 2; Gaz. vol. 194; p. 36.
- Mead, Albert G., deceased, Somerville, Mass.; E. S. Mead, administratrix. Fastening device. No. 1,057,652; Apr. 1; Gaz. vol. 189; p. 87.
- Mead, Augustus W., Oelrichs, S. D. Canceling and stamping machine. No. 1,069,626; Aug. 5; Gaz. vol. 193; p. 185.
- Mead Cycle Company. (See Tobin, John J., assignor.)
- Mead, Cyrus E., assignor to The Mead Engine Company, Dayton, Ohio. Rotary valve for explosive-engines. No. 1,075,432; Oct. 14; Gaz. vol. 195; p. 318.
- Mead, Ellis H., Western Springs, assignor to The Miehle Printing Press and Manufacturing Company, Chicago, Ill. Automatic centering-chuck. No. 1,056,435; Mar. 18; Gaz. vol. 188; p. 671.
- Mead, Ellis H., Western Springs, assignor to The Miehle Printing Press & Mfg. Co., Chicago, Ill. Straightening-press. No. 1,065,158; June 17; Gaz. vol. 191; p. 742.
- Mead, Emeline S., administratrix. (See Mead, Albert G.)
- Mead Engine Company, The. (See Mead, Cyrus E., assignor.)
- Mead, Enoch P., Salt Lake City, Utah. Shoemaker's jack. No. 1,052,421; Feb. 4; Gaz. vol. 187; p. 197.
- Mead, George A., and F. S. Denneen, assignors to The Ohio Brass Company, Mansfield, Ohio. Trolley-wire clamp or fastening device. No. 1,080,712; Dec. 9; Gaz. vol. 197; p. 306.
- Mead, George A., and W. H. Kempton, assignors to The Ohio Brass Company, Mansfield, Ohio. Strain-insulator. No. 1,080,713; Dec. 9; Gaz. vol. 197; p. 306.
- Mead, Harry. (See Guiberson and Mead.)
- Mead, Harry, Coalinga, Cal. Pump. No. 1,076,596; Oct. 21; Gaz. vol. 195; p. 748.
- Mead, Howard G., St. Louis, Mo., assignor to W. P. Healy, Chicago, Ill. Wire-bound crate. No. 1,077,624; Nov. 4; Gaz. vol. 196; p. 132.
- Meadows, Arthur L., Helena, Ark. Machine for boring post-holes. No. 1,057,653; Apr. 1; Gaz. vol. 189; p. 88.
- Meadows, John B., Yukon, Okla. Fly-trap. No. 1,057,867; Apr. 1; Gaz. vol. 189; p. 162.
- Meadows, Peter W. L., assignor of one-fourth to P. Clements, Cordele, Ga. Rail-joint. No. 1,080,017; Dec. 2; Gaz. vol. 197; p. 34.
- Meagher, Edward A., *et al.* (See Wolpert, Joseph, assignor.)
- Meagher, George V., St. Louis, Mo. Combination table and sled. No. 1,082,132; Dec. 23; Gaz. vol. 197; p. 850.
- Meahl, Philip J., Bayonne, N. J. Perforated-music-roll-marking machine. No. 1,055,644; Mar. 11; Gaz. vol. 188; p. 368.
- Meahl, Philip J., Summit, N. J. Device for recording the tone volumes on musical instruments. No. 1,074,556; Sept. 30; Gaz. vol. 194; p. 1105.
- Meahl, Philip J., Summit, N. J., assignor of one-half to G. B. Kelly, Jamaica Plain, Mass. Alarm device. No. 1,053,524; Feb. 18; Gaz. vol. 187; p. 652.
- Meaker, John W., Detroit, Mich. Spark-plug. No. 1,073,270; Sept. 16; Gaz. vol. 194; p. 621.
- Mealey, Charles A. (See Leupold, Richard J., assignor.)
- Meals, Ira D., Harrisburg, Pa. Antiskidding device for tires. No. 1,049,893; Jan. 7; Gaz. vol. 186; p. 194.
- Mealy, Leander W., Troy, N. Y. Shade-fixture. No. 1,054,131; Feb. 25; Gaz. vol. 187; p. 893.
- Meany, James, Philadelphia, Pa. Street-indicator. No. 1,064,758; June 17; Gaz. vol. 191; p. 614.
- Mears, Charles W., Cleveland, Ohio. Machine for treating paper. No. 1,062,103; May 20; Gaz. vol. 190; p. 603.
- Mears, Thomas A. (See Mears, William H. and T. A.)
- Mears, William H., Elgin, and T. A. Mears, Savanna, Ill. Wire-fence stretcher. No. 1,074,278; Sept. 30; Gaz. vol. 194; p. 1016.
- Mebane, Alexander R., Hickory Flat, Miss. Spring-trap. No. 1,077,850; Nov. 4; Gaz. vol. 196; p. 208.
- Mechanical Decarbonising Syndicate Limited. (See Calvert, George, assignor.)
- Mechanical Devices Co. (See Walters, Julius W., assignor.)
- Meckbach, Ernst, Vohwinkel, near Elberfeld, assignor to Farbenfabriken vorm. Friedr. Bayer & Co., Elberfeld, Germany. Decalcomania material. No. 1,070,713; Aug. 19; Gaz. vol. 193; p. 628.
- Meckel, Aurel, Elberfeld, Germany. File for letters, invoices, and the like. No. 1,074,805; Oct. 7; Gaz. vol. 195; p. 74.
- Meckert, Edmund, Maunburg-on-the-Saale, Germany. Service-window. No. 1,066,297; July 1; Gaz. vol. 192; p. 141.
- Medart, Philip S., assignor to Fred Medart Manufacturing Company, St. Louis, Mo. Caster mechanism for vaulting-horses. No. 1,076,778; Oct. 28; Gaz. vol. 195; p. 866.
- Medley, Edward A. (See Fowler and Medley.)
- Medlin, William A., Ripley, Miss. Rack. No. 1,054,228; Feb. 25; Gaz. vol. 187; p. 929.
- Medlin, William A., Ripley, Miss. Wire-fence stretcher. No. 1,069,892; Aug. 12; Gaz. vol. 193; p. 307.
- Medvec, John J., Minneapolis, Minn. Cushion-strip for billiard and pool tables. No. 1,074,279; Sept. 30; Gaz. vol. 194; p. 1016.
- Meeder, Herbert L., Council Bluffs, Iowa. Starting mechanism for explosive-engines. No. 1,055,550; Mar. 11; Gaz. vol. 188; p. 336.
- Meek, Channing F., assignor to The Colorado-Yule Marble Company, New York, N. Y. Sawing rock. No. 1,050,972; Jan. 21; Gaz. vol. 186; p. 634.
- Meek, William L. (See Fiant and Meek.)
- Meeker, Clifford D. (See Darby and Meeker.)
- Meeker, Clifford D., East Orange, N. J. Lamp-socket. No. 1,067,482; July 15; Gaz. vol. 192; p. 611.
- Meeker, Samuel G., New York, N. Y. Lock-nut. No. 1,072,755; Sept. 9; Gaz. vol. 194; p. 399.
- Meeker, William B., assignor to The Automatic Lamp Control Company, Dayton, Ohio. Automatic lamp-controller. No. 1,082,545; Dec. 30; Gaz. vol. 197; p. 1025.
- Meeks, Robert F., Columbus, Ohio. Hammock-support. No. 1,063,461; June 3; Gaz. vol. 191; p. 98.
- Meerbott, Percy B., Secaucus, N. J., assignor to J. T. Stanley, New York, N. Y. Composition of matter. No. 1,075,663; Oct. 14; Gaz. vol. 195; p. 397.
- Mees, Gustav, Dusseldorf, Germany. Aeroplane steering and stabilizing mechanism. No. 1,065,263; June 17; Gaz. vol. 191; p. 777.
- Mees, Gustav, Barmen, Germany, assignor, by mesne assignments, to The Colonial Trust Company, trustee, Pittsburgh, Pa. Regulating and controlling the valve-motion in explosive-motors. No. 1,064,514; June 10; Gaz. vol. 191; p. 495.
- Megahan, Oliver P., Westerville, Ohio. Railway-tie structure. No. 1,067,827; July 22; Gaz. vol. 192; p. 761.
- Megahan, Oliver P., Westerville, Ohio. Railway-tie structure. No. 1,067,828; July 22; Gaz. vol. 192; p. 761.
- Megill, Edward L., New York, N. Y. Device for platen printing-presses. No. 1,055,412; Mar. 11; Gaz. vol. 188; p. 291.
- Megill, William S. C., National Home, Wis. Cuspidor or analogous vessel. No. 1,052,840; Feb. 11; Gaz. vol. 187; p. 372.
- Megirian, Joseph J., Brooklyn, N. Y., assignor of one-half to H. R. Benda, Cliffside Park, N. J. Dispensing device. No. 1,054,705; Mar. 4; Gaz. vol. 188; p. 17.
- Mehlhoff, Christ, Morse, Saskatchewan, Canada. Locomotive steam throttle-valve. No. 1,070,157; Aug. 12; Gaz. vol. 193; p. 397.
- Mehlhope, Clarence E. (See Southworth and Wolf, assignors.)
- Mehlhope, Clarence E. (See Wolf and Southworth, assignors.)
- Mehlin, Charles, Fort Lee, N. J. Fall-board for upright pianos. No. 1,077,732; Nov. 4; Gaz. vol. 196; p. 167.
- Mehlin, Charles, Fort Lee, N. J. Piano-pedal. No. 1,079,945; Dec. 2; Gaz. vol. 197; p. 7.
- Mehlum, Casper, Cambridge, Mass. Machine for making fiber tubes. No. 1,069,971; Aug. 12; Gaz. vol. 193; p. 332.
- Meier, Adolphus G., St. Louis, Mo. Making composite foils. No. 1,057,571; Apr. 1; Gaz. vol. 189; p. 60.
- Meier, Christofer, Bremer county, Iowa. Concrete-mixer. No. 1,052,079; Feb. 4; Gaz. vol. 187; p. 81.
- Meier, Ernest. (See Van Buskirk and Meier.)
- Meier, Heinrich, Oslebshausen, assignor to Stuhlrohr-fabrik Bremen, Carl Frese & Co., near Bremen, Germany. Ratun-scraper. No. 1,079,056; Nov. 18; Gaz. vol. 196; p. 690.
- Meier, Hubert, *et al.* (See Jasiecki and Glowacki, assignors.)
- Meier, Wilhelm, Würenlingen, Switzerland. Vehicle with portable rails. No. 1,069,159; Aug. 5; Gaz. vol. 193; p. 24.
- Meigs, Stanley V. (See Lee, Floyd E., assignor.)
- Meikel, David, *et al.* (See Matthew, Amos H., assignor.)
- Meikle, James. (See Anderson and Meikle.)
- Meikleham, William J., Denver, Colo. Dough-mixing machine. No. 1,065,382; June 24; Gaz. vol. 191; p. 856.

Alphabetical list of patentees—Continued.

- Meiklejohn, James, Port Stanley, assignor of one-half to F. P. Gorin, Seattle, Wash. Stage illusion. No. 1,079,423; Nov. 25; Gaz. vol. 196; p. 845.
- Melli, Ernest, Hawthorne, assignor to Weidmann Silk Dyeing Co., Paterson, N. J. Preserving tin-weighted silk. No. 1,050,157; Jan. 14; Gaz. vol. 186; p. 318.
- Meilicke Calculator Company. (See Meilicke, Carl A., assignor.)
- Meilicke, Carl A., assignor to Meilicke Calculator Company, Chicago, Ill. Calculator. No. 1,079,712; Nov. 25; Gaz. vol. 196; p. 944.
- Meinecke, B. F. (See Ekholm, Helmer A., assignor.)
- Meinecke, Christian W., Jersey City, N. J., assignor to Whitall-Tatum Company, New York, N. Y. Surgical basin. No. 1,061,769; May 13; Gaz. vol. 190; p. 449.
- Meinel, Frederick E., assignor to Illinois Show Case Works, Chicago, Ill. Display-rack for hats. No. 1,071,168; Aug. 26; Gaz. vol. 193; p. 813.
- Meinel, Frederick E., assignor to Illinois Show Case Works, Chicago, Ill. Disappearing-door construction for cases. No. 1,078,795; Nov. 18; Gaz. vol. 196; p. 600.
- Meinhardt, Frederick A. B. (See Well, Hugo C., assignor.)
- Meinig, Ernest R., Reading, Pa. Machine for stretching and drying cloth. No. 1,067,829; July 22; Gaz. vol. 192; p. 761.
- Meinken, A. C. F. (See Meinken, John, assignor.)
- Meinken, John, assignor of one-half to A. C. F. Meinken, St. Paul, Minn. Floor and wall construction. No. 1,052,500; Feb. 11; Gaz. vol. 187; p. 257.
- Meisenburg, Kurt. (See Delbrück and Meisenburg.)
- Meisenburg, Kurt. (See Hofmann, Coutelle, Delbrück, and Meisenburg.)
- Meisenburg, Kurt. (See Hofmann, Delbrück, and Meisenburg.)
- Meissen, Ernst. (See Linden, Meissen, and Strauss.)
- Meissner, Alexander, assignor to Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany. Spark-gap for impulse excitation. No. 1,051,744; Jan. 28; Gaz. vol. 186; p. 927.
- Meissner, Alexander, assignor to Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany. Means for producing slightly-damped oscillations by shock excitation. No. 1,077,733; Nov. 4; Gaz. vol. 196; p. 167.
- Meister, Frederick, Jersey City, N. J. Floor-supporting structure of theaters and the like. No. 1,079,424; Nov. 25; Gaz. vol. 196; p. 845.
- Meister, Richard, assignor to Phönix-Werk G. m. b. H. Spezialfabrik moderner Trockenapparate, Meerane, Germany. Rotary tubular heating-body for trough-driers. No. 1,064,664; June 10; Gaz. vol. 191; p. 545.
- Meitner, Lise, Berlin, assignor to Dr. O. Knöfler & Co., Berlin-Plötzensee, Germany. Preparation of radiothorium. No. 1,076,141; Oct. 21; Gaz. vol. 195; p. 588.
- Meklensek, Joseph, San Diego, Cal. Pump. No. 1,053,525; Feb. 18; Gaz. vol. 187; p. 652.
- Mela, Temistocle E., Sacramento, Cal. Mail-box. No. 1,062,785; May 27; Gaz. vol. 190; p. 869.
- Melander, August W., assignor to Universal Wave Power Co., San Francisco, Cal. Apparatus for utilizing wave-power. No. 1,074,060; Sept. 23; Gaz. vol. 194; p. 914.
- Melas, William, assignor of one-half to D. Townsend, Philadelphia, Pa. Oil-burner. No. 1,057,868; Apr. 1; Gaz. vol. 189; p. 162.
- Melas, William, assignor of one-half to D. Townsend, Philadelphia, Pa. Air-aspirator. No. 1,082,815; Dec. 30; Gaz. vol. 197; p. 1121.
- Melat, Frank H. (See Malo and Melat.)
- Melaun, Ernst, Indianapolis, Ind. Yielding clutch. No. 1,068,801; July 29; Gaz. vol. 192; p. 1135.
- Melcher, Henry, Logan, Ohio. Cement-wall mold. No. 1,063,819; June 3; Gaz. vol. 191; p. 224.
- Melchert, Charles A., and W. D. Snyder, Kansas City, Mo. Concrete post. No. 1,075,988; Oct. 14; Gaz. vol. 195; p. 509.
- Meldau, Gustav, Cologne, Germany. Sliding-door mounting. No. 1,069,277; Aug. 5; Gaz. vol. 193; p. 67.
- Melendy, Louis R. (See Cherry and Melendy.)
- Meleney, George B. (See Fraser and Martin, assignors.)
- Melhouse, Andrew B., and L. P. Mogstad, Balfour, N. D. Grain and hay loader. No. 1,056,199; Mar. 18; Gaz. vol. 188; p. 590.
- Melick, Harry V., Akron, Ohio. Railway-switch. No. 1,056,706; Mar. 18; Gaz. vol. 188; p. 764.
- Melick, Zenas L., Pueblo, Colo., and E. F. Dunn, Oklahoma, Okla. Hydrocarbon-oil burner. No. 1,075,299; Oct. 7; Gaz. vol. 195; p. 247.
- Meling, Gustave, Chicago, Ill. Gramophone. No. 1,072,346; Sept. 2; Gaz. vol. 194; p. 228.
- Melio, James, Chicago, Ill. Valve. No. 1,056,925; Mar. 25; Gaz. vol. 188; p. 869.
- Mellen, Grenville, Summit, N. J. Process of and apparatus for delivering molten metal. No. 1,053,948; Feb. 18; Gaz. vol. 187; p. 795.
- Mellin, Carl J., Schenectady, N. Y. Power-transmission mechanism. No. 1,062,985; May 27; Gaz. vol. 190; p. 935.
- Mellin, Carl J., Schenectady, N. Y. By-pass valve for locomotive-engines. No. 1,066,211; July 1; Gaz. vol. 192; p. 110.
- Mellin, Carl J., Schenectady, N. Y. Draft appliance for locomotives. No. 1,076,142; Oct. 21; Gaz. vol. 195; p. 589.
- Mellino, Gaetano, New York, N. Y. Car-fender. No. 1,068,913; July 29; Gaz. vol. 192; p. 1175.
- Mellish, John E. (See Bowker, Ernest, assignor.)
- Mello, Manuel, New Bedford, Mass. Desk appliance. No. 1,066,030; July 1; Gaz. vol. 192; p. 44.
- Mellon, George A., assignor to Link-Fabric Company of America, St. Louis, Mo. Corner-fastening for bedsteads. No. 1,064,357; June 10; Gaz. vol. 191; p. 440.
- Mellon, George A., assignor to Link Fabric Company of America, St. Louis, Mo. Bed-bottom fabric. No. 1,081,620; Dec. 16; Gaz. vol. 197; p. 649.
- Mellon, George R., Kansas City, Mo. Drilling-machine. No. 1,061,622; May 13; Gaz. vol. 190; p. 401.
- Mellon, Julius O., Boscurvis, Saskatchewan, Canada. Hay-rack. No. 1,066,745; July 8; Gaz. vol. 192; p. 325.
- Mellor, Walter H., and C. E. Oeth, Michigan City, Ind. Switch-clock. No. 1,074,129; Sept. 30; Gaz. vol. 194; p. 967.
- Mellor, William H., Newton, N. J. Pile fabric. No. 1,080,291; Dec. 2; Gaz. vol. 189; p. 131.
- Melluish, Horace, and A. Montreuil, Shawenegan Falls, Quebec, Canada. Ax. No. 1,054,929; Mar. 4; Gaz. vol. 188; p. 93.
- Melott, Chester B., Yonkers, N. Y. Aeronautic apparatus. No. 1,060,273; Apr. 29; Gaz. vol. 189; p. 1144.
- Melrose, William A., and J. M. Overshiner, assignors to American Wagon Company, Chicago, Ill. Wagon-body. No. 1,066,937; July 8; Gaz. vol. 192; p. 389.
- Meltz, Julius, Chelsea, Mass. Lamp-bracket. No. 1,069,160; Aug. 5; Gaz. vol. 193; p. 24.
- Meltzer, Paul, Darmstadt, Germany. Wood structure. No. 1,066,212; July 1; Gaz. vol. 192; p. 110.
- Melvaer, Thormod, *et al.* (See Torvik, Alfred, assignor.)
- Melville Clark Piano Company. (See Burton, Charles S., assignor.)
- Melville Clark Piano Company. (See Clark, Ernest G., assignor.)
- Melville Clark Piano Company. (See Clark, Melville, assignor.)
- Melvin, Alexander M., Glasgow, Scotland. Machine for dividing and molding dough and other plastic substances. No. 1,061,248; May 6; Gaz. vol. 190; p. 235.
- Melvin, Charles H., and A. S. Enterline, assignors of one-third to J. G. Dimmick, Greenville, Pa. Rail-joint. No. 1,059,189; Apr. 15; Gaz. vol. 189; p. 700.
- Melvin, Joe D., Sherman, Tex. Oil-can spout. No. 1,072,481; Sept. 9; Gaz. vol. 194; p. 305.
- Melvin, Mark G., Scranton, Pa. Hood. No. 1,080,468; Dec. 2; Gaz. vol. 197; p. 192.
- Memphis Shock Absorber Company. (See Fullenlove, McClellan C., assignor.)
- Ménagé, Eugène L. L., Paris, France. Distributer for internal-combustion engines. No. 1,063,820; June 3; Gaz. vol. 191; p. 224.
- Mencke, Frederick C., *et al.* (See Weeks and Hunter, assignors.)
- Mendels, Abraham. (See Mendels, Emanuel and A.)
- Mendels, Emanuel, deceased, and A., Baltimore, Md.; said A. Mendels administrator. Dress. No. 1,068,688; July 29; Gaz. vol. 192; p. 1094.
- Mendelson, Jacob, Brooklyn, N. Y. Hat-hanger. No. 1,069,893; Aug. 12; Gaz. vol. 193; p. 308.
- Mendelson, Louis R., Cleveland, Ohio. Water-heater. No. 1,063,994; June 10; Gaz. vol. 191; p. 317.
- Menden, William S., Brooklyn, N. Y. Side-door seat and door-lock. No. 1,073,809; Sept. 23; Gaz. vol. 194; p. 830.
- Mendenhall, Ernest D. (See Moseley and Mendenhall.)
- Mendez, Ciro F., San Luis Potosi, Mexico. Rotatory mechanism. No. 1,053,526; Feb. 18; Gaz. vol. 187; p. 653.
- Mendez, Louis, Yonkers, N. Y. Cooking device. No. 1,076,383; Oct. 21; Gaz. vol. 195; p. 672.
- Mendizabal, Carlos. (See Bertrand and Mendizabal.)
- Menees, J. Farmer, Greenwood, Miss. Car-standard. No. 1,082,816; Dec. 30; Gaz. vol. 197; p. 1122.
- Meng, Leo L., Murdock, Kans. Gasolene-engine. No. 1,054,588; Feb. 25; Gaz. vol. 187; p. 1051.
- Mengel, Charles C., Louisville, Ky. Knockdown box. No. 1,071,072; Aug. 26; Gaz. vol. 193; p. 781.
- Menger, Joseph R. W., New York, N. Y. Cover-holder for cooking utensils. No. 1,068,151; July 22; Gaz. vol. 192; p. 870.
- Mengle, Loyd M., and A. Griffiths, Atlantic City, N. J. Spring-tightener. No. 1,074,515; Sept. 30; Gaz. vol. 194; p. 1092.
- Menihan, William G. (See O'Neill and Menihan.)
- Menns, Walter K., Chelsea, Mass. Self-winding electric clock. No. 1,055,776; Mar. 11; Gaz. vol. 188; p. 413.
- Mennig, Charles F., Pottsville, Pa. Washer-forming machine and punch-press. No. 1,062,490; May 20; Gaz. vol. 190; p. 730.
- Menteyne, Paul M. (See Laird, Menteyne, and Degaille.)
- Menteyne, Paul M., and P. A. Degaille, Paris, France. Automatic firearm. No. 1,059,680; Apr. 22; Gaz. vol. 189; p. 903.
- Mentgen, Francis A., Sterling, Colo. Ironing-table. No. 1,071,774; Sept. 2; Gaz. vol. 194; p. 37.

Alphabetical list of patentees—Continued.

- Mentor, Ernest, New Britain, Conn. Shaving-brush. No. 1,081,319; Dec. 16; Gaz. vol. 197; p. 550.
- Meny, Joseph C., Germantown, Pa. Hat-pin and guard therefor. No. 1,057,572; Apr. 1; Gaz. vol. 189; p. 60.
- Menzl, John, and E. Burd, Dayton, Ohio. Flying-machine. No. 1,079,508; Nov. 25; Gaz. vol. 196; p. 874.
- Menzl, John B., Dayton, Ohio. Drip-pan for refrigerators. No. 1,057,654; Apr. 1; Gaz. vol. 189; p. 88.
- Mercandelli, Egidio, Amedee, Cal. Horseshoe. No. 1,070,507; Aug. 19; Gaz. vol. 193; p. 560.
- Mercantile Advertising Company. (See Kern, Louise R., assignor.)
- Mercantile Corporation. (See Smith, Charles F., assignor.)
- Mercer, Charles B., West Pittston, Pa. Sled. No. 1,070,158; Aug. 12; Gaz. vol. 193; p. 398.
- Mercer, Charles B., West Pittston, Pa. Snow-velocipede. No. 1,070,159; Aug. 12; Gaz. vol. 193; p. 398.
- Mercer, Henry H., assignor to Sullivan Machinery Company, Claremont, N. H. Channeling-machine. No. 1,079,919; Nov. 25; Gaz. vol. 196; p. 1018.
- Mercer, John B., Wilmington, N. C. Channel-plow. No. 1,062,924; May 27; Gaz. vol. 190; p. 915.
- Mercer, Samuel J., assignor to T. F. Foley, Englewood, Colo. Flat-iron cleaner and polisher. No. 1,073,774; Sept. 23; Gaz. vol. 194; p. 819.
- Mercer, Walter C., Richmond, Va. Sand and gravel cleaner. No. 1,079,571; Nov. 25; Gaz. vol. 196; p. 896.
- Merchant & Evans Company. (See Rose, James M., assignor.)
- Merchant, Frank D., *et al.* (See Pearson, John, assignor.)
- Merchant, Isaac T., Morven, Ga. Track-cleaner. No. 1,075,927; Oct. 14; Gaz. vol. 195; p. 488.
- Mercier, Joseph T., Chicago, Ill. Ventilator. No. 1,061,623; May 13; Gaz. vol. 190; p. 401.
- Mercier, Joseph T., assignor to E. J. Magerstadt, Chicago, Ill. Ventilator. No. 1,050,067; Jan. 7; Gaz. vol. 186; p. 254.
- Merck, Benjamin H. (See Merck, Ralph A., assignor.)
- Merck, Ralph A., assignor of one-half to B. H. Merck, Gainesville, Ga. Aeroplane. No. 1,051,429; Jan. 28; Gaz. vol. 186; p. 822.
- Mercury Manufacturing Company, The. (See Bulley, George W., assignor.)
- Meredith-Jones, Hubert, New York, N. Y. Locking screw. No. 1,082,891; Dec. 30; Gaz. vol. 197; p. 1148.
- Meredith-Jones, Hubert, New York, N. Y., assignor to Columbia Nut and Bolt Company, Incorporated, Bridgeport, Conn. Starting mechanism for explosive-engines. No. 1,059,681; Apr. 22; Gaz. vol. 189; p. 903.
- Meredith-Jones, Hubert, New York, N. Y., assignor to Columbia Nut and Bolt Company, Incorporated, Bridgeport, Conn. Starting mechanism for explosive-engines. No. 1,071,775; Sept. 2; Gaz. vol. 194; p. 37.
- Meredith, Thomas W., New York, N. Y. Buckle. No. 1,059,746; Apr. 22; Gaz. vol. 189; p. 924.
- Meredith, William F. (See Rossi and Meredith.)
- Mergenthaler Linotype Company. (See Armstrong, Henry A., assignor.)
- Mergenthaler Linotype Company. (See Ball, Augustus A., Jr., assignor.)
- Mergenthaler Linotype Company. (See Barnes, Raymond F., assignor.)
- Mergenthaler Linotype Company. (See Bedell, Richard M., assignor.)
- Mergenthaler Linotype Company. (See Boardman, Robert O., assignor.)
- Mergenthaler Linotype Company. (See Böttger, Max, assignor.)
- Mergenthaler Linotype Company. (See Burdine, Charles C., assignor.)
- Mergenthaler Linotype Company. (See Castle, Thomas R., assignor.)
- Mergenthaler Linotype Company. (See Degener, Heinrich, assignor.)
- Mergenthaler Linotype Company. (See Dodge, Norman, assignor.)
- Mergenthaler Linotype Company. (See Dodge, Philip T., assignor.)
- Mergenthaler Linotype Company. (See Eichler, Artur, assignor.)
- Mergenthaler Linotype Company. (See Grove, Ralph M., assignor.)
- Mergenthaler Linotype Company. (See Guest, Alfred W. F., assignor.)
- Mergenthaler Linotype Company. (See Handlin, Scott D., assignor.)
- Mergenthaler Linotype Company. (See Höyer, Anton, assignor.)
- Mergenthaler Linotype Company. (See Kennedy, David S., assignor.)
- Mergenthaler Linotype Company. (See Kennedy, Luther L., assignor.)
- Mergenthaler Linotype Company. (See Kingsbury, George P., assignor.)
- Mergenthaler Linotype Company. (See Knox, Dana S., assignor.)
- Mergenthaler Linotype Company. (See Kreiling, Julius W., assignor.)
- Mergenthaler Linotype Company. (See Laemmer, Gustav, assignor.)
- Mergenthaler Linotype Company. (See McNamara, James, assignor.)
- Mergenthaler Linotype Company. (See Morehouse, Melvin W., assignor.)
- Mergenthaler Linotype Company. (See Morrison, Luther E., assignor.)
- Mergenthaler Linotype Company. (See Muchleisen, Carl, assignor.)
- Mergenthaler Linotype Company. (See Nielsen, Sigurd C., assignor.)
- Mergenthaler Linotype Company. (See Neumayer, Frederick W., assignor.)
- Mergenthaler Linotype Company. (See Rogers, John R., assignor.)
- Mergenthaler Linotype Company. (See Van Sant, Norman S., assignor.)
- Mergenthaler Linotype Company. (See Wilson, Fergus F., assignor.)
- Meriam, Joseph B., Cleveland, Ohio. Fluid-indicator. No. 1,055,063; Mar. 4; Gaz. vol. 188; p. 140.
- Meriam, Joseph B., assignor to The Bruce-Macbeth Engine Company, Cleveland, Ohio. Flexible coupling. No. 1,069,454; Aug. 5; Gaz. vol. 193; p. 128.
- Merian, Frederic, assignor to Forter Miller Engineering Company, Pittsburgh, Pa. Furnace. No. 1,058,191; Apr. 8; Gaz. vol. 189; p. 318.
- Meriwether, Charles N., Trenton, Ky. Making phosphate fertilizer. No. 1,058,249; Apr. 8; Gaz. vol. 189; p. 337.
- Meriwether, Coleman. (See Mitchell, Harris, and Meriwether.)
- Merkel, Arthur E. (See Grant, John J., assignor.)
- Merkel, Arthur E., Cleveland, Ohio. Sanitary system for mausoleums. No. 1,059,552; Apr. 22; Gaz. vol. 189; p. 861.
- Merkel, Lewis W., assignor of one-fourth to J. Flamisch, Allentown, Pa. Measuring apparatus. No. 1,054,304; Feb. 25; Gaz. vol. 187; p. 952.
- Merkel, Lewis W., assignor of one-fourth to H. G. Schelden and one-fourth to J. J. Hanlon, Allentown, Pa. Film-holding reel. No. 1,050,371; Jan. 14; Gaz. vol. 186; p. 392.
- Merkel, Lewis W., assignor of one-fourth to J. J. Hanlon and one-fourth to H. G. Schelden, Allentown, Pa. Moving-picture machine. No. 1,075,487; Oct. 14; Gaz. vol. 195; p. 337.
- Merker, William, New York, N. Y. Combination cushioned flat and filler. No. 1,079,789; Nov. 25; Gaz. vol. 196; p. 974.
- Merki, Joseph J. (See Dietze, Walter A., assignor.)
- Merkle, William J., Columbus, Ohio. Strainer. No. 1,067,935; July 22; Gaz. vol. 192; p. 796.
- Merley, John, Canton, Ohio, assignor, by mesne assignments, to The Union Trust Company of Pittsburgh, trustee. Silo and building-tile therefor. No. 1,076,597; Oct. 21; Gaz. vol. 195; p. 748.
- Merling, Georg, and H. Köhler, assignors to Farbenfabriken vorm. Friedr. Bayer & Co., Elberfeld, Germany. Producing erythrene. No. 1,056,814; Mar. 25; Gaz. vol. 188; p. 830.
- Merling, Georg, and H. Köhler, assignors to Farbenfabriken vorm. Friedr. Bayer & Co., Elberfeld, Germany. Producing isoprene. No. 1,056,815; Mar. 25; Gaz. vol. 188; p. 831.
- Merling, Georg, and H. Köhler, assignors to Farbenfabriken vorm. Friedr. Bayer & Co., Elberfeld, Germany. Manufacture and production of erythrene. No. 1,056,816; Mar. 25; Gaz. vol. 188; p. 831.
- Merling, Georg, and H. Köhler, assignors to Farbenfabriken vorm. Friedr. Bayer & Co., Elberfeld, Germany. Manufacture and production of isoprene. No. 1,056,817; Mar. 25; Gaz. vol. 188; p. 831.
- Merling, Georg, Elberfeld, and H. Köhler, Leverkusen, near Cologne, assignors to Farbenfabriken vorm. Friedr. Bayer & Co., Elberfeld, Germany. Producing 1-dimethylamino-2-methylbutene-3. No. 1,065,159; June 17; Gaz. vol. 191; p. 743.
- Merling, Georg, Elberfeld, and H. Köhler, Leverkusen, near Cologne, assignors to Farbenfabriken vorm. Friedr. Bayer & Co., Elberfeld, Germany. 1-dimethylaminobutene-3 and making same. No. 1,065,160; June 17; Gaz. vol. 191; p. 743.
- Merling, Georg, Elberfeld, and H. Köhler, Leverkusen, near Cologne, assignors to Farbenfabriken vorm. Friedr. Bayer & Co., Elberfeld, Germany. Producing keto compounds. No. 1,070,622; Aug. 19; Gaz. vol. 193; p. 598.
- Merling, Georg, Elberfeld, and H. Köhler, Leverkusen, near Cologne, assignors to Farbenfabriken vorm. Friedr. Bayer & Co., Elberfeld, Germany. Beta-acetyltrimethylenetetramethyldiamin. No. 1,071,007; Aug. 19; Gaz. vol. 193; p. 724.
- Merling, Georg, Elberfeld, and H. Köhler, Leverkusen, near Cologne, assignors to Farbenfabriken vorm. Friedr. Bayer & Co., Elberfeld, Germany. Producing keto compounds. No. 1,071,008; Aug. 19; Gaz. vol. 193; p. 724.
- Merling, Georg, Elberfeld, and H. Köhler, Leverkusen, near Cologne, assignors to Farbenfabriken vorm. Friedr. Bayer & Co., Elberfeld, Germany. Esters of dialkylaminoformic acid. No. 1,074,966; Oct. 7; Gaz. vol. 195; p. 128.

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- Mern, John P. (See Mueller and Mern.)
- Merovich, Henry, Trenton, N. J. Mirror-support. No. 1,054,016; Feb. 25; Gaz. vol. 187; p. 855.
- Merrell, Frederick H., Wauwatosa, and W. S. Amidon, Milwaukee, Wis. Paper carton. No. 1,068,802; July 29; Gaz. vol. 192; p. 1135.
- Merrell, Frederick H., and W. S. Amidon, assignors to National Wrapping Machine Company, Milwaukee, Wis. Wrapping-machine. No. 1,062,410; May 20; Gaz. vol. 190; p. 704.
- Merrell, Lewis C., assignor to Merrell-Soule Company, Syracuse, N. Y. Apparatus for desiccating. No. 1,082,468; Dec. 23; Gaz. vol. 197; p. 965.
- Merrell, Lewis C., assignor to Merrell-Soule Company, Syracuse, N. Y. Desiccating. No. 1,082,469; Dec. 23; Gaz. vol. 197; p. 965.
- Merrell, Oliver E., Syracuse, N. Y. Desiccating apparatus. No. 1,072,391; Sept. 2; Gaz. vol. 194; p. 245.
- Merrell-Soule Company. (See Merrell, Lewis C., assignor.)
- Merriam, Henry F. (See Briggs and Merriam.)
- Merrick, Frank W., assignor to Power Numbering Machine Company, Boston, Mass. Stamping, marking, or numbering machine. No. 1,065,885; June 24; Gaz. vol. 191; p. 1027.
- Merrick, Frank W., assignor to Union Lock Stitch Company, Boston, Mass. Sewing-machine. No. 1,077,625; Nov. 4; Gaz. vol. 196; p. 132.
- Merrick, Samuel W., Madison, Wis. Amalgamator. No. 1,055,777; Mar. 11; Gaz. vol. 188; p. 414.
- Merrill, Arthur H., Hartford, Conn. Article of adornment. No. 1,074,727; Oct. 7; Gaz. vol. 195; p. 49.
- Merrill, Charles W., Berkeley, Cal. Precipitating and recovering materials from solutions. No. 1,063,567; June 3; Gaz. vol. 191; p. 135.
- Merrill, Charles W., Berkeley, Cal. Precipitation of material from cyanid solutions. No. 1,063,568; June 3; Gaz. vol. 191; p. 135.
- Merrill, Charles W., Berkeley, Cal. Precipitation of material from cyanid solutions. No. 1,063,569; June 3; Gaz. vol. 191; p. 135.
- Merrill, Charles W., Berkeley, Cal. Precipitant for recovering metals from solutions. No. 1,063,570; June 3; Gaz. vol. 191; p. 136.
- Merrill, Edwin R., Columbus, Ohio, assignor, by mesne assignments, to The Jeffrey Manufacturing Company. Mining-machine. No. 1,073,271; Sept. 16; Gaz. vol. 194; p. 621.
- Merrill, Jno. A. (See Nix, Joshua J. and F. C., assignors.)
- Merrill, Meldon H., Boston, Mass. Accessory for the ignition systems of internal-combustion engines. No. 1,064,846; June 17; Gaz. vol. 191; p. 641.
- Merrill Metallurgical Company. (See Bosqui, Daniel, assignor.)
- Merrill, Phineas T., Leominster, Mass. Protective device or button for hat-pins. No. 1,054,706; Mar. 4; Gaz. vol. 188; p. 17.
- Merrill, Robert A., Cincinnati, Ohio. Chuck. No. 1,071,940; Sept. 2; Gaz. vol. 194; p. 93.
- Merrill, Wilbur L., Schenectady, N. Y., assignor to General Electric Company. Pumping system. No. 1,049,894; Jan. 7; Gaz. vol. 186; p. 195.
- Merrill, Willis C., Boston, Mass. Apparatus for treating oleaginous materials. No. 1,050,485; Jan. 14; Gaz. vol. 186; p. 433.
- Merrimac Hat Company. (See Barry and Bomenblit, assignors.)
- Merriman, Charles F. (See Eastman, Dan B., assignor.)
- Merrin, Harry. (See Humphrey and Merrin.)
- Merritt, Benjamin F. (See McGee, Michael J., assignor.)
- Merritt, Benjamin V., New York, N. Y. Street-sweeping machine. No. 1,059,892; Apr. 22; Gaz. vol. 189; p. 970.
- Merritt, Charles L. (See Sperry and Merritt.)
- Merritt, George E., assignor of one-half to W. N. Crisp, Baltimore, Md. Door-locking mechanism. No. 1,077,091; Oct. 28; Gaz. vol. 195; p. 974.
- Merritt, George E., assignor of one-half to W. N. Crisp, Baltimore, Md. Car-door hanger. No. 1,077,151; Oct. 28; Gaz. vol. 195; p. 991.
- Merritt, George T., Atlanta, Ga. Cotton-gathering apparatus. No. 1,052,361; Feb. 4; Gaz. vol. 187; p. 175.
- Merritt, George W., San Antonio, Tex. Sliding-door latch. No. 1,075,367; Oct. 14; Gaz. vol. 195; p. 295.
- Merritt, Henry W., assignor to The Monarch Typewriter Company, Syracuse, N. Y. Type-writing machine. No. 1,082,546; Dec. 30; Gaz. vol. 197; p. 1025.
- Merritt, Hiram, Newburgh, N. Y. Fire-extinguishing syringe. No. 1,067,999; July 22; Gaz. vol. 192; p. 818.
- Merritt, Joseph, Hartford, Conn. Ring-forming tool. No. 1,067,876; July 22; Gaz. vol. 192; p. 777.
- Merritt, Joseph, assignor of one-half to E. W. Smith, Hartford, Conn. Means for stringing tobacco-leaves. No. 1,076,901; Oct. 28; Gaz. vol. 195; p. 910.
- Merritt, Joseph, assignor of one-half to E. W. Smith, Hartford, Conn. Machine for stringing tobacco-leaves. No. 1,076,902; Oct. 28; Gaz. vol. 195; p. 910.
- Merritt, Joseph, Hartford, Conn., assignor of one-half to Beech-Nut Packing Company, Canajoharie, N. Y., one-fourth to W. A. Lorenz, and one-fourth to W. H. Honiss, Hartford, Conn. Gasket-cutting apparatus. No. 1,075,488; Oct. 14; Gaz. vol. 195; p. 338.
- Merritt, Joseph B., et al. (See Manby and Meunier, assignors.)
- Merritt, Matthew M., Middleton, Mass., assignor, by mesne assignments, to General Electric Company. Incandescent lamp. No. 1,062,836; May 27; Gaz. vol. 190; p. 886.
- Merritt, Paul G., assignor of one-fourth to J. C. Tremoulet, New Orleans, La. Apparatus for rolling towels, napkins, and the like. No. 1,051,430; Jan. 28; Gaz. vol. 186; p. 822.
- Merritt, Paul G., assignor of one-fourth to J. C. Tremoulet, New Orleans, La. Apparatus for dispensing towels, napkins, and the like. No. 1,057,973; Apr. 1; Gaz. vol. 189; p. 197.
- Merritt, Robert V., Center Hill, Fla. Cultivator. No. 1,051,612; Jan. 28; Gaz. vol. 186; p. 885.
- Morrow, Edgar L. (See O'Connell, James P., assignor.)
- Morrow, Joseph M., Hartford, Conn. Forming hooked or throated needles. No. 1,072,482; Sept. 9; Gaz. vol. 194; p. 305.
- Morrow, Joseph M., Hartford, Conn. Feeding mechanism for sewing-machines. No. 1,074,968; Oct. 7; Gaz. vol. 195; p. 128.
- Morrow Machine Company, The. (See Stedman, William H., assignor.)
- Merry, Benjamin P., Stryker, Ohio. Animal-muzzle. No. 1,051,150; Jan. 21; Gaz. vol. 186; p. 695.
- Mersfelder, William L., Kennedy Heights, Ohio, assignor to The Graves Supply Co., New York, N. Y. Oven-burner-controlling device. No. 1,049,588; Jan. 7; Gaz. vol. 186; p. 93.
- Mershon, Arthur U., Colorado Springs, Colo. Clutch. No. 1,062,491; May 20; Gaz. vol. 190; p. 731.
- Mershon, Arthur U., Colorado Springs, Colo. Animal-trap. No. 1,058,357; July 22; Gaz. vol. 192; p. 942.
- Mershon, John H. (See Kelly and Mershon.)
- Mershon, John H., Van Alstyne, Tex. Dry-closet commode. No. 1,071,073; Aug. 26; Gaz. vol. 193; p. 781.
- Mershon, Ralph D., New York, N. Y. Film-coated metallic article and making the same. No. 1,065,704; June 24; Gaz. vol. 191; p. 966.
- Mershon, Ralph D., New York, N. Y. Alternating-current apparatus. No. 1,077,626; Nov. 4; Gaz. vol. 196; p. 132.
- Mershon, Ralph D., New York, N. Y. Electrolytic condenser. No. 1,077,628; Nov. 4; Gaz. vol. 196; p. 133.
- Mershon, Ralph D., and J. S. Riddle, New York, N. Y.; said Riddle assignor to said Mershon. Electrolytic condenser. No. 1,077,627; Nov. 4; Gaz. vol. 196; p. 133.
- Mertens, Albert, Cruybeke, Belgium. Automatic gas-analyzer. No. 1,060,996; May 6; Gaz. vol. 190; p. 151.
- Mertens, Eduard, et al. (See Burgert, August, assignor.)
- Mertens, Eduard, Freiburg, Breisgau, Germany. Intaglio-printing-machine mechanism. No. 1,057,073; Mar. 25; Gaz. vol. 188; p. 920.
- Mertens, Eduard, Freiburg, Germany. Intaglio-printing-machine mechanism. No. 1,063,371; June 3; Gaz. vol. 191; p. 68.
- Mertens, Louis F. W., Minneapolis, Minn. Clothes-pin holder. No. 1,054,707; Mar. 4; Gaz. vol. 188; p. 17.
- Merton, Thomas D., Grove Mill, Watford, assignor of one-half to H. M. Ridge, London, England. Rabbie shaft, arms, and plows for roasting-furnaces. No. 1,068,518; July 29; Gaz. vol. 192; p. 1035.
- Mertsheimer, Frederick, Kansas City, Mo. Door-check. No. 1,082,432; Dec. 23; Gaz. vol. 197; p. 954.
- Mertz, Herman B., Beach View, Pa. Vacuum cleaning device. No. 1,062,837; May 27; Gaz. vol. 190; p. 886.
- Mertz, Jacob H., and E. Schatz, Washington, D. C.; said Mertz assignor to said Schatz. Safety-appliance lock for automobiles and the like. No. 1,071,169; Aug. 26; Gaz. vol. 193; p. 813.
- Mertz, Oscar E., Philadelphia, Pa., assignor of one-half to American Graphophone Company, Bridgeport, Conn., and one-half to Thomas A. Edison, Incorporated, West Orange, N. J. Cabinet for talking-machines. No. 1,063,821; June 3; Gaz. vol. 191; p. 225.
- Merwin, Benjamin F. and G. W., High Falls, N. Y. Shade-bracket. No. 1,058,451; Apr. 8; Gaz. vol. 189; p. 409.
- Merwin, George W. (See Merwin, Benjamin F. and G. W.)
- Merwin, Orange F., Erie, Pa. Wall-tie. No. 1,076,836; Oct. 28; Gaz. vol. 195; p. 886.
- Merwine, Jacob. (See Kinnard, James G., assignor.)
- Merz, Josef, Brünn, Austria-Hungary. Extraction apparatus. No. 1,070,828; Aug. 19; Gaz. vol. 193; p. 666.
- Merzlik, Konstantin, Detroit, Mich. Hat-fastener. No. 1,064,239; June 10; Gaz. vol. 191; p. 401.
- Meschkat, Wilhelm, Houston, Tex. Propelling mechanism for bicycles. No. 1,073,696; Sept. 23; Gaz. vol. 194; p. 792.
- Mesick, David W., New York, N. Y. Molding apparatus. No. 1,068,259; July 22; Gaz. vol. 192; p. 908.
- Mesner, Clyde M. (See Noe and Mesner.)

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- Messel, Rudolph, London, England, assignor, by mesne assignments, to General Chemical Company, New York, N. Y. Purification of gases containing sulfur dioxide. No. 1,078,937; Nov. 18; Gaz. vol. 196; p. 617.
- Messenger, John H., London, England. Tire. No. 1,057,164; Mar. 25; Gaz. vol. 188; p. 952.
- Messerli, John J., Kingsville, and J. L. Mayfield, Corpus Christi, Tex. Pear-burner. No. 1,074,374; Sept. 30; Gaz. vol. 194; p. 1048.
- Messerschmitt, Anton, Stolberg, Germany. Extracting alkali metals in the form of nitrates from minerals. No. 1,076,508; Oct. 21; Gaz. vol. 195; p. 717.
- Messersmith, Marion E. (See Keller and Messersmith.)
- Messersmith, Otto S., Rochester, N. Y. Stapling-machine. No. 1,053,196; Feb. 18; Gaz. vol. 187; p. 538.
- Messick, Ola C., and F. Jefferson, Seaford, Del. Spring-wheel. No. 1,051,745; Jan. 28; Gaz. vol. 186; p. 927.
- Messina, August, West New York, N. J., assignor to Mansfield Piano Company. Pianissimo device. No. 1,058,994; Apr. 15; Gaz. vol. 189; p. 633.
- Messinger, Leopold, Frankfurt-on-the-Main, Germany. Folding umbrella. No. 1,083,123; Dec. 30; Gaz. vol. 197; p. 1224.
- Messmer, Christian C., Salt Lake City, Utah. Key-ring and key-retainer. No. 1,061,393; May 13; Gaz. vol. 190; p. 319.
- Messner, John H., Pittsburgh, Pa. Combined metallic railway-tie and rail-seat. No. 1,058,012; Apr. 1; Gaz. vol. 189; p. 211.
- Messner, John H., Pittsburgh, Pa. Railway-tie. No. 1,065,827; June 24; Gaz. vol. 191; p. 1006.
- Mesta, Frederick E., Pittsburgh, Pa. Annealing-box. No. 1,068,260; July 22; Gaz. vol. 192; p. 908.
- Mesta Machine Company. (See Iversen, Lorenz., assignor.)
- Mesta Machine Company. (See Neave, Andrew A., assignor.)
- Mestern, Hugo, Berlin, Germany. Device for the production of pure air. No. 1,054,589; Feb. 25; Gaz. vol. 187; p. 1051.
- Mesure, Daniel, Var, France. Elastic suspension for the driving-wheels of motor-cars. No. 1,054,590; Feb. 25; Gaz. vol. 187; p. 1051.
- Métais, Léon, Charenton, France. Compound fluid-pressure turbine. No. 1,068,000; July 22; Gaz. vol. 192; p. 818.
- Metal Car Seal Company, The. (See Edgar, William K., assignor.)
- Metal Sectional Furniture Company. (See Fraser, John A., assignor.)
- Metal Specialties Manufacturing Company. (See Berg, John, assignor.)
- Metallic Barrel Company, The. (See Bauroth, Leonhard, assignor.)
- Metallic Packing and Manufacturing Company, The. (See Martell, Louis H., assignor.)
- Metallpapier-Bronzefarben-Blattmetallwerke Aktiengesellschaft. (See Heinrich, Jacob, assignor.)
- Metallstanzwerk G. m. b. H. (See Wutzler, Ernst M., assignor.)
- Metallurgical Company of America. (See Burkey, Harvey M., assignor.)
- Metallurgical Research Company. (See Blair, David W., assignor.)
- Metallurgical Research Company. (See Rockey and Eldridge, assignors.)
- Metals Extraction Corporation Limited, The. (See Rees and Sulman, assignors.)
- Metals Working Company. (See Diescher, Samuel E., assignor.)
- Metcalf, Evert A., Forbes, Mo. Combined vest-pocket pencil and pen holder and electric light. No. 1,060,615; May 6; Gaz. vol. 190; p. 18.
- Metcalf, Foster M., Battle Creek, Mich. Pump. No. 1,077,419; Nov. 4; Gaz. vol. 196; p. 64.
- Metcalf, Howard, Tampico, Ill. Valve-grinding tool. No. 1,063,717; June 3; Gaz. vol. 191; p. 190.
- Metcalf, Jefferson D., assignor of one-half to W. L. Jackson, Gloster, Miss. Journal-box cooler. No. 1,064,978; June 17; Gaz. vol. 191; p. 685.
- Metcalf, William F., and S. W. Leidich, Philadelphia, Pa. Manufacturing cigars. No. 1,083,023; Dec. 30; Gaz. vol. 197; p. 1192.
- Metcalfe Baldock & Company. (See McCallum, Maude, assignor.)
- Metcalfe, James C. (See Metcalfe, Richard D. and J. C.)
- Metcalfe, Richard D. and J. C., Romiley, England. Injector. No. 1,076,220; Oct. 21; Gaz. vol. 195; p. 615.
- Methven, Archibald D., Pontiac, Mich. Combined shaving-brush and soap-holder. No. 1,054,229; Feb. 25; Gaz. vol. 187; p. 929.
- Methven, Archibald D., assignor to Fisher Body Company, Detroit, Mich. Carriage-door bumper. No. 1,072,141; Sept. 2; Gaz. vol. 194; p. 162.
- Methven, Colin, Herminie, Pa. Safety-catch for mining-cages. No. 1,080,648; Dec. 9; Gaz. vol. 197; p. 284.
- Metropolitan Electric Mfg. Co. (See Newton, William J., assignor.)
- Metropolitan Electric Mfg. Co. (See Wesley, Joseph J., assignor.)
- Metropolitan Sewing Machine Company. (See Hughes, Robert R., Jr., assignor.)
- Metropolitan Sewing Machine Company. (See Krug, Louis, assignor.)
- Metropolitan Sewing Machine Company. (See Weis, John P., assignor.)
- Metten, John F., Philadelphia, Pa., assignor to The Wm. Cramp & Sons Ship & Engine Building Company. Steam-turbine. No. 1,080,573; Dec. 9; Gaz. vol. 197; p. 259.
- Mettler, Caspar, assignor of one-third to H. W. Leete and one-third to G. C. Moore, New Haven, Conn. Electric stove. No. 1,064,358; June 10; Gaz. vol. 191; p. 440.
- Mettler, Caspar, New Haven, and R. E. Fudge, West Haven, Conn. Vending-machine. No. 1,082,817; Dec. 30; Gaz. vol. 197; p. 1122.
- Mettler, Emil, Jr. (See Mettler, Emil, Sr., and E., Jr.)
- Mettler, Emil, Sr., and E., Jr., Gossau, assignors to R. Mettler, Herisau, Switzerland. Embroidering-machine accessory. No. 1,067,128; July 8; Gaz. vol. 192; p. 452.
- Mettler, Robert. (See Mettler, Emil, Sr., and E., Jr., assignors.)
- Mettler, William J., De Kalb, Ill. Resilient wheel. No. 1,051,431; Jan. 28; Gaz. vol. 186; p. 822.
- Metz, George J. (See Maier and Metz.)
- Metz, Lamech S. (See Brummett and Metz.)
- Metz, Ramer. (See Snyder and Metz.)
- Metz, Walter R., assignor of one-half to W. F. Mahony, Washington, D. C. Elevating-truck. No. 1,065,161; June 17; Gaz. vol. 191; p. 743.
- Metzgar, Clarence G., Kane borough, Pa. Railway-spike. No. 1,062,350; May 20; Gaz. vol. 190; p. 684.
- Metzger, Charles, et al. (See Lake, John L., assignor.)
- Metzger, Emil F., Peoria, Ill. Basin. No. 1,069,972; Aug. 12; Gaz. vol. 193; p. 333.
- Metzger, Ferdinand F. (See Richardson and Metzger.)
- Metzger, Francis L., Harrisburg, Pa. Automatic measuring device. No. 1,079,874; Nov. 25; Gaz. vol. 196; p. 1002.
- Metzger, John. (See Goldsmith and Metzger.)
- Metzig, Gustave A., Berlin, Wis. Bob-sled. No. 1,056,040; Mar. 18; Gaz. vol. 188; p. 536.
- Metzl, Zdenko, Rouen, France. Reduction of stannic oxid. No. 1,053,624; Feb. 18; Gaz. vol. 187; p. 685.
- Metzler, Conrad, Fresno, assignor of one-fourth to A. Schwabenland, Sanger, Cal. Fire-escape apparatus. No. 1,053,425; Feb. 18; Gaz. vol. 187; p. 618.
- Meuche, Theodore, et al., trustees. (See Kohnle, Frederick, assignor.)
- Meunier, Frederick H. (See Manby and Meunier.)
- Meunier, Louis, Lyon, France. Manufacture of varnishes. No. 1,067,536; July 15; Gaz. vol. 192; p. 629.
- Meurer, Louis, et al. (See Chapman, Alonzo F., assignor.)
- Meurer, Nikolaus. (See Voelker and Meurer.)
- Meurer, William, et al. (See Chapman, Alonzo F., assignor.)
- Meurling, Ivar, Brooklyn, assignor to Empire Duplex Gin Company, New York, N. Y. Cotton-gin. No. 1,076,837; Oct. 28; Gaz. vol. 195; p. 886.
- Meusebach, Otto C., San Antonio, Tex. Line-insulator. No. 1,078,368; Nov. 11; Gaz. vol. 196; p. 421.
- Meuser, William W., Galion, Ohio. Rail tie-plate. No. 1,063,372; June 3; Gaz. vol. 191; p. 68.
- Mevis, John W., Lowell, Mass. Advertising device. No. 1,078,742; Nov. 18; Gaz. vol. 196; p. 580.
- Mewes, Richard W., Des Moines, Iowa. Engine-valve. No. 1,070,829; Aug. 19; Gaz. vol. 193; p. 667.
- Mewhirter, Guy S., Hulet, Wyo. Casket-lowering device. No. 1,070,508; Aug. 19; Gaz. vol. 193; p. 560.
- Meyenburg, Otto von, Zurich, Switzerland. Device for the purpose of threading the warp-threads into the heddles. No. 1,076,598; Oct. 21; Gaz. vol. 195; p. 749.
- Meyer, Adolph F., St. Paul, Minn. Wall construction. No. 1,061,918; May 13; Gaz. vol. 190; p. 495.
- Meyer, Albert C., San Diego, Cal. Electric sign. No. 1,069,627; Aug. 5; Gaz. vol. 193; p. 185.
- Meyer, Albert W., New York, N. Y. Stove. No. 1,062,023; May 20; Gaz. vol. 190; p. 574.
- Meyer, Alfred F., Morton, Ill. Dump for elevating devices. No. 1,060,349; Apr. 29; Gaz. vol. 189; p. 1172.
- Meyer, Alfred F., Morton, Ill. Boot structure for elevating devices. No. 1,060,476; Apr. 29; Gaz. vol. 189; p. 1215.
- Meyer, August H., Newark, N. J., assignor to Abbey & Imbrie, New York, N. Y. Reel. No. 1,058,995; Apr. 15; Gaz. vol. 189; p. 633.
- Meyer, Charles C., Philadelphia, Pa., assignor to L. A. Thompson, St. Davids, Del. Fishing-rod tip end or top. No. 1,078,589; Nov. 11; Gaz. vol. 196; p. 494.
- Meyer-Delius, Heinrich. (See Scherbius, Jonas, and Meyer-Delius.)
- Meyer, Ernest W., New York, N. Y. Door-latch. No. 1,054,978; Mar. 4; Gaz. vol. 188; p. 111.
- Meyer, Fanny J. (See Schodde, George W., assignor.)
- Meyer, Frank W., assignor to The Oshkosh Trunk Company, Oshkosh, Wis. Garment-supporting fixture. No. 1,060,927; May 6; Gaz. vol. 190; p. 126.

Alphabetical list of patentees—Continued.

- Meyer, Frederick, Buffalo, N. Y. Wagon. No. 1,050,973; Jan. 21; Gaz. vol. 186; p. 634.
- Meyer, Friedrich, assignor to Akt. Ges. Mix & Genest Telephon & Telegraphenwerke, Schöneberg, Berlin, Germany. Magnetic tachometer. No. 1,058,885; Apr. 15; Gaz. vol. 189; p. 595.
- Meyer, Georg W., Rockaway Beach, N. Y. Computing and recording scale. No. 1,052,501; Feb. 11; Gaz. vol. 187; p. 257.
- Meyer, George H., St. Edward, Nebr. Combined fence-post and wire-clamp. No. 1,066,299; July 1; Gaz. vol. 192; p. 142.
- Meyer, George L., Milwaukee, Wis. Vessel-labeling machine. No. 1,075,719; Oct. 14; Gaz. vol. 195; p. 416.
- Meyer, Gustave R. (See Smith, Charles E., assignor.)
- Meyer, Henry, New York, N. Y. Automatic gas-lighter. No. 1,074,728; Oct. 7; Gaz. vol. 195; p. 49.
- Meyer, Henry A., Helena, Mont. Pocket postal scale. No. 1,080,771; Dec. 9; Gaz. vol. 197; p. 328.
- Meyer, Henry A., assignor to The Wolf Electrical Promoting Company, Cincinnati, Ohio. Cloth-cutter. No. 1,059,190; Apr. 15; Gaz. vol. 189; p. 701.
- Meyer, Henry L. von, *et al.* (See Hebig, Henry C., assignor.)
- Meyer, Jean J. C., Paris, France. Liquid-dispensing apparatus. No. 1,073,433; Sept. 16; Gaz. vol. 194; p. 678.
- Meyer, Jensen and Company. (See Meyer, Monroe W., assignor.)
- Meyer, Joannes C. A. (See Koetschet and Meyer.)
- Meyer, John J., Yonkers, N. Y. Siphon flushing apparatus. No. 1,049,895; Jan. 7; Gaz. vol. 186; p. 195.
- Meyer, John J., Yonkers, N. Y. Valve. No. 1,052,939; Feb. 11; Gaz. vol. 187; p. 408.
- Meyer, John J., Yonkers, N. Y. Valve. No. 1,055,778; Mar. 11; Gaz. vol. 188; p. 414.
- Meyer, John J., Yonkers, N. Y. Supply-valve. No. 1,072,971; Sept. 9; Gaz. vol. 194; p. 480.
- Meyer, John J., Yonkers, N. Y. Spark-plug. No. 1,079,790; Nov. 25; Gaz. vol. 196; p. 975.
- Meyer, Joseph, Berlin, Germany. Weighing apparatus for liquids. No. 1,059,553; Apr. 22; Gaz. vol. 189; p. 862.
- Meyer, Kurt H., Munich, and F. Bergius, Hanover, Germany. Manufacture of monovalent phenols from monochloro-substitution products of aromatic hydrocarbons. No. 1,062,351; May 20; Gaz. vol. 190; p. 685.
- Meyer, Louis, San Francisco, Cal. Liquid-gage. No. 1,080,153; Dec. 2; Gaz. vol. 197; p. 82.
- Meyer, Ludwig F., *et al.* (See Müller, Philipp, assignor.)
- Meyer Manufacturing Company, The. (See Meyer, Nathaniel F., assignor.)
- Meyer, Martin, Omaha, Nebr. Combination doorway and step closure for street-cars. No. 1,075,049; Oct. 7; Gaz. vol. 195; p. 159.
- Meyer, Max C., New York, N. Y. Gem-setting. No. 1,064,152; June 10; Gaz. vol. 191; p. 371.
- Meyer, Monroe W., Bloomfield, N. J., assignor to Meyer, Jensen and Company. Device for branding. No. 1,068,803; July 29; Gaz. vol. 192; p. 1135.
- Meyer, Nathaniel F., assignor to The Meyer Manufacturing Company, Newburgh, N. Y. Clutch. No. 1,053,918; Feb. 18; Gaz. vol. 187; p. 785.
- Meyer, Peter. (See Gaston and Meyer.)
- Meyer, Richard E., Detroit, Mich. Vessel-closure. No. 1,054,230; Feb. 25; Gaz. vol. 187; p. 929.
- Meyer, Richard E., Detroit, Mich. Jar-closure. No. 1,054,231; Feb. 25; Gaz. vol. 187; p. 930.
- Meyer, Richard E., Detroit, Mich. Sealing-machine. No. 1,060,201; Apr. 29; Gaz. vol. 189; p. 1117.
- Meyer, Silvere, New York, N. Y. Folding shelf. No. 1,079,057; Nov. 18; Gaz. vol. 196; p. 691.
- Meyer, William C., Beverly, Mass., assignor to United Shoe Machinery Company, Paterson, N. J. Sewing-machine. No. 1,050,558; Jan. 14; Gaz. vol. 186; p. 458.
- Meyer, William C., Boston, Mass., assignor to United Shoe Machinery Company, Paterson, N. J. Inseam-shoe-sewing machine. No. 1,059,380; Apr. 22; Gaz. vol. 189; p. 801.
- Meyercord, George R., Chicago, Ill. Adjustable bracket. No. 1,072,756; Sept. 9; Gaz. vol. 194; p. 400.
- Meyercord, George R., Chicago, Ill. Translucent panel for signs and ornamental purposes. No. 1,080,989; Dec. 9; Gaz. vol. 197; p. 403.
- Meyercord, George R., Chicago, Ill. Producing translucent panels. No. 1,080,990; Dec. 9; Gaz. vol. 197; p. 403.
- Meyers, Charles G. (See Hohenstien and Meyers.)
- Meyers, Max, assignor to Newton Machine Tool Works, Incorporated, Philadelphia, Pa. Power-clamp. No. 1,060,477; Apr. 29; Gaz. vol. 189; p. 1216.
- Meyers, Max, assignor to Newton Machine Tool Works, Incorporated, Philadelphia, Pa. Interlocking mechanism for cold-saw cutting-off machines. No. 1,081,763; Dec. 16; Gaz. vol. 197; p. 697.
- Meyers, Max, assignor to Newton Machine Tool Works, Incorporated, Philadelphia, Pa. Feeding mechanism for cutting-off machines. No. 1,081,764; Dec. 16; Gaz. vol. 197; p. 697.
- Meyers, Nicholas, assignor to P. C. Meyers, Buffalo, N. Y. Paper-feeding machine. No. 1,066,133; July 1; Gaz. vol. 192; p. 81.
- Meyers, Peter C. (See Meyers, Nicholas, assignor.)
- Meyers & Son, Louis. (See Oathout, Arthur N., assignor.)
- Meyers, Willard F., Jamaica, N. Y. Mold for teeth for stone-saws. No. 1,052,841; Feb. 11; Gaz. vol. 187; p. 373.
- Meyn, Adolf, Pittsburgh, Pa. Pickling and washing machine for metal plates. No. 1,066,298; July 1; Gaz. vol. 192; p. 141.
- Meyring, Charles E. (See Gilstrap, Owen G., assignor.)
- Meyrose, Ferdinand, St. Louis, Mo. Reclining-chair. No. 1,080,714; Dec. 9; Gaz. vol. 197; p. 307.
- Meyrowitz, Emil B., New York, N. Y., assignor to The Meyrowitz Manufacturing Company. Eyeglasses. No. 1,069,278; Aug. 5; Gaz. vol. 193; p. 67.
- Meyrowitz Manufacturing Co., The. (See Bolde, Henry, assignor.)
- Meyrowitz Manufacturing Company, The. (See Meyrowitz, Emil B., assignor.)
- Mezger, Frederick C., Gatun, Canal Zone. Lamp-cord ap-juster. No. 1,050,068; Jan. 7; Gaz. vol. 186; p. 255.
- Micco, John, and V. Guido, New Castle, Pa. Rail-joint. No. 1,074,447; Sept. 30; Gaz. vol. 194; p. 1072.
- Michael, Clement W., assignor to J. I. Case Plow Works, Racine, Wis. Clutch mechanism. No. 1,052,740; Feb. 11; Gaz. vol. 187; p. 336.
- Michael, Clement W., assignor to J. I. Case Plow Works, Racine, Wis. Plow. No. 1,070,160; Aug. 12; Gaz. vol. 193; p. 398.
- Michael, Pete. (See Brannon and Michael.)
- Michael, Thomas, Los Angeles, Cal. Hot and cold water applicator. No. 1,078,207; Nov. 11; Gaz. vol. 196; p. 363.
- Michael, Ulysses S., Celina, Ohio. Fowl-decapitator. No. 1,081,851; Dec. 16; Gaz. vol. 197; p. 728.
- Michael, Walter, Oakland, Cal. Signal-control mechanism. No. 1,066,300; July 1; Gaz. vol. 192; p. 142.
- Michaelis, Fred, Bartlesville, Okla. Operating mechanism for annunciating systems. No. 1,073,357; Sept. 16; Gaz. vol. 194; p. 652.
- Michaels, Charles E., Wilson, Pa. Nozzle for ladies. No. 1,072,972; Sept. 9; Gaz. vol. 194; p. 480.
- Michaels, Charles E., Wilson, Pa. Spout for steel-furnaces. No. 1,080,071; Dec. 2; Gaz. vol. 197; p. 53.
- Michaelsen, Charles O., Omaha, Nebr. Rock-crusher. No. 1,063,889; June 3; Gaz. vol. 191; p. 246.
- Michaud, Joseph O., Fort Kent, Me. Variable-speed-transmission gearing. No. 1,073,775; Sept. 23; Gaz. vol. 194; p. 819.
- Michel, Charles O., Jersey City, N. J. Temporary binder. No. 1,057,004; Mar. 25; Gaz. vol. 188; p. 897.
- Michel, Isaac, and R. Stein, Frankfort-on-the-Main, Germany. Machine for affixing stamps, labels, or the like to envelopes or the like. No. 1,063,462; June 3; Gaz. vol. 191; p. 98.
- Michel, Isaac, and R. Stein, Frankfort-on-the-Main, Germany. Machine for affixing stamps, labels, or the like to envelopes or the like. No. 1,079,058; Nov. 18; Gaz. vol. 196; p. 691.
- Michels, Joseph N., and E. S. Thorngren, Boxholm, Iowa. Swivel implement-handle. No. 1,054,591; Feb. 25; Gaz. vol. 187; p. 1051.
- Michener, John H., Jr., New York, N. Y. Conveyor. No. 1,061,394; May 13; Gaz. vol. 190; p. 319.
- Michigan Motor Specialties Company. (See Beck, Charles W., assignor.)
- Michigan Motor Specialties Company. (See Peterson, Charles E., assignor.)
- Michigan Stove Company, The. (See Maul, Henry C., assignor.)
- Michl, Robert, Steglitz-Berlin, Germany. Bunsen burner. No. 1,064,153; June 10; Gaz. vol. 191; p. 371.
- Mickel, George W., Salt Lake City, Utah. Water-motor. No. 1,058,776; Apr. 15; Gaz. vol. 189; p. 556.
- Mickleson, James W., assignor of one-fourth to T. Morrison, Dayton, Idaho. Automatic draft-regulator. No. 1,073,810; Sept. 23; Gaz. vol. 194; p. 830.
- Middendorf, Francis M., assignor to T. H. Oulsnam, Los Angeles, Cal. Pump-head. No. 1,064,359; June 10; Gaz. vol. 191; p. 440.
- Middlebrook, William W., Yonkers, N. Y., assignor to B. A. Ballou & Company, Inc., Providence, R. I. Safety-catch for pins. No. 1,049,383; Jan. 7; Gaz. vol. 186; p. 22.
- Middlebrooks, Eugene, Hillsboro, Ga. Fertilizer-distributor. No. 1,082,037; Dec. 23; Gaz. vol. 197; p. 819.
- Middlekauff, Ray H., *et al.* (See Jones, Hermon M., assignor.)
- Middlemiss, Edward T., Manchester, England. Check-issuing machine. No. 1,073,272; Sept. 16; Gaz. vol. 194; p. 622.
- Middleton, David A., Logansport, Ind. Binder for tablets. No. 1,071,562; Aug. 26; Gaz. vol. 193; p. 944.
- Middleton, Enrique. (See Serramoglia and Middleton.)
- Middleton, Harry N., Philadelphia, Pa., assignor to B. F. Sturtevant Company, Boston, Mass. Pneumatic conveyor apparatus. No. 1,062,352; May 20; Gaz. vol. 190; p. 685.
- Middleton, James F., Pittsfield, Mass. Timing device for ignition systems. No. 1,079,256; Nov. 18; Gaz. vol. 196; p. 757.

Alphabetical list of patentees—Continued.

- Middleton, Richard. (See Carpenter and Middleton.)
 Middleton, Robert, assignor to Elkhart Musical Instrument Company, Elkhart, Ind. Trombone. No. 1,060,779; May 6; Gaz. vol. 190; p. 73.
 Midgley, Albert H., and C. A. Vandervell, Acton Vale, England. Dynamo-electric machinery. No. 1,057,759; Apr. 1; Gaz. vol. 189; p. 123.
 Midgley, Albert H., and C. A. Vandervell, Acton Vale, England. Dynamo-electric machine, particularly applicable for ignition purposes in connection with internal-combustion engines. No. 1,068,152; July 22; Gaz. vol. 192; p. 870.
 Midgley, John G., Salt Lake City, Utah. Steam-heating system. No. 1,081,509; Dec. 16; Gaz. vol. 197; p. 614.
 Midgley, Thomas, Hartford, Conn., assignor to The Hartford Rubber Works Company. Wheel-tire. No. 1,067,361; July 15; Gaz. vol. 192; p. 569.
 Midland Chair & Seating Company. (See Van Derveer, Clarence A., assignor.)
 Midland Ores and Patents Co. (See David, Albert, assignor.)
 Miehle Printing Press and Manufacturing Company. (See Droitcour, Michael A., assignor.)
 Miehle Printing Press and Manufacturing Company, The. (See Mead, Ellis H., assignor.)
 Miehle Printing Press & Manufacturing Company. (See Miehle, Robert, assignor.)
 Miehle Printing Press and Mfg. Co. (See Henderson, Carl, assignor.)
 Miehle, Robert, assignor to Miehle Printing Press & Manufacturing Company, Chicago, Ill. Tripping mechanism for printing-presses. No. 1,081,320; Dec. 16; Gaz. vol. 197; p. 550.
 Mierzwik, John A., Roscoe, Tex. Clothes-pin. No. 1,081,852; Dec. 16; Gaz. vol. 197; p. 728.
 Mies, Frank P. (See McGerry and Mies.)
 Mies, Frank P., Chicago, Ill. Electric air-heating device. No. 1,050,372; Jan. 14; Gaz. vol. 186; p. 392.
 Mies, Frank P., Chicago, Ill., assignor to The Plural System Ventilator Co. Fan structure. No. 1,049,508; Jan. 7; Gaz. vol. 186; p. 63.
 Miesen, Clarence F., Carrollton, Ky. Folding crate. No. 1,055,482; Mar. 11; Gaz. vol. 188; p. 315.
 Miessen, Joseph. (See Closson and Miessen.)
 Miggett, William L., Ann Arbor, assignor to R. Herman, Detroit, Mich. Boiler-tube cleaner. No. 1,052,164; Feb. 4; Gaz. vol. 187; p. 111.
 Mighell, Norman E., Marshalltown, Iowa. Surgical appliance. No. 1,077,629; Nov. 4; Gaz. vol. 196; p. 133.
 Mighill, Thomas A., Cambridge, Mass. Peat laying and cutting machine. No. 1,053,197; Feb. 18; Gaz. vol. 187; p. 539.
 Mighirian, Mardiros, New York, N. Y. Altar-bread cutter. No. 1,076,384; Oct. 21; Gaz. vol. 195; p. 672.
 Mignery, Charles N., Julian, Nebr. Automatic stove-damper. No. 1,055,935; Mar. 11; Gaz. vol. 188; p. 466.
 Mignery, Ulysses G., Julian, Nebr. Folding chicken-coop. No. 1,067,129; July 8; Gaz. vol. 192; p. 452.
 Mihills, Merrick A., Highland Park, Ill. Letter-opening machine. No. 1,075,050; Oct. 7; Gaz. vol. 195; p. 159.
 Mika, Albert D. (See Courtright and Mika.)
 Milam, Marcus A., et al. (See Wells, Elisha F., assignor.)
 Milam, William A., Dallas, Tex. Vehicle-wheel. No. 1,077,994; Nov. 11; Gaz. vol. 196; p. 290.
 Milbank, William E. (See Shiverick, Myron D., assignor.)
 Milbrath, William, Lakefield, Minn. Detachable box-cover. No. 1,055,483; Mar. 11; Gaz. vol. 188; p. 315.
 Milburn, Samuel, Kennett, Mo. Attachment for seed-planters. No. 1,072,632; Sept. 9; Gaz. vol. 194; p. 357.
 Milcinsky, Joseph, assignor of one-half to S. Firbas, Chicago, Ill. Key-ring. No. 1,053,848; Feb. 18; Gaz. vol. 187; p. 761.
 Milde, Franz, Seelyville, Pa. Pantograph. No. 1,059,893; Apr. 22; Gaz. vol. 189; p. 970.
 Mildon, Reginald B., Wilkinsburg, assignor, by mesne assignments, to The Colonial Trust Company, trustee, Pittsburgh, Pa. Rectangular gas-producer. No. 1,073,919; Sept. 23; Gaz. vol. 194; p. 867.
 Milek, Frederick W., Sturgis, S. D. Metal-working machine. No. 1,060,274; Apr. 29; Gaz. vol. 189; p. 1144.
 Miles, Casper W., Anderson township, Hamilton county, Ohio. Portable electrically-operated tool. No. 1,057,005; Mar. 25; Gaz. vol. 188; p. 897.
 Miles, Charles W., and W. Chinter, Connellsville, Pa. Combined wall-clamp and post. No. 1,055,413; Mar. 11; Gaz. vol. 188; p. 292.
 Miles, Elizabeth, Evanston, Ill. Maternity-gown. No. 1,067,537; July 15; Gaz. vol. 192; p. 629.
 Miles, Lewis, San Francisco, Cal. Automatic electric water-heater. No. 1,057,760; Apr. 1; Gaz. vol. 189; p. 123.
 Miles, Ross E., Mereta, Tex. Pump-filter. No. 1,079,875; Nov. 25; Gaz. vol. 196; p. 1002.
 Miles, Samuel C. (See Allen and Miles.)
 Milette, Charles A. (See Héroux, Edmond, assignor.)
 Miley, Benjamin, assignor to W. Coyle, Walla Walla, Wash. Knife-gage. No. 1,059,894; Apr. 22; Gaz. vol. 189; p. 971.
 Milford, Walter, Syracuse, N. Y., assignor, by mesne assignments, to G. C. Yocum, Scranton, Pa. Automatic telephone pay-station. No. 1,053,849; Feb. 18; Gaz. vol. 187; p. 761.
 Milhado, Aaron, Norfolk, Va. Portable illuminated advertising-pouch. No. 1,052,842; Feb. 11; Gaz. vol. 187; p. 373.
 Milks, Kate B., St. Louis, Mo. Jelly-strainer. No. 1,053,850; Feb. 18; Gaz. vol. 187; p. 761.
 Mill, Anton, assignor to The Hilbert Machine Company, Cincinnati, Ohio. Gearing. No. 1,053,625; Feb. 18; Gaz. vol. 187; p. 686.
 Millan, Alpheus P., assignor of one-fourth to T. V. Morgan, Mannington, W. Va. Incandescent gas-mantle. No. 1,060,478; Apr. 29; Gaz. vol. 189; p. 1216.
 Millard, Henry C., Webster, N. Y. Attachment for clothes-wringers. No. 1,055,779; Mar. 11; Gaz. vol. 188; p. 414.
 Millard, William A., Jr. (See McLellan, John, assignor.)
 Miller, Adam L., and W. W. Burdette, Handley, W. Va. Brake for railway-cars. No. 1,072,757; Sept. 9; Gaz. vol. 194; p. 400.
 Miller, Adolph, assignor to The Miller Manufacturing Company, St. Louis, Mo. Portable building structure. No. 1,075,368; Oct. 14; Gaz. vol. 195; p. 295.
 Miller, Albert E., Carnegie, Pa. Switch mechanism for toy tracks. No. 1,080,363; Dec. 2; Gaz. vol. 197; p. 157.
 Miller, Alfred K., Worcester, assignor of fifty one-hundredths to H. L. Wadsworth, Lexington, Mass. Drying-machine. No. 1,080,517; Dec. 2; Gaz. vol. 197; p. 209.
 Miller, Alonzo, East St. Louis, Ill. Bull's-eye water-gage for steam-boilers. No. 1,058,452; Apr. 8; Gaz. vol. 189; p. 409.
 Miller, Alten S., New York, N. Y. Packing material. No. 1,059,061; Apr. 15; Gaz. vol. 189; p. 656.
 Miller, Alvin S., Monroe, assignor of one-half to F. Alder, Shreveport, La. Sanitary drinking device. No. 1,062,786; May 27; Gaz. vol. 190; p. 869.
 Miller, Andrew E., assignor to S. Himmel, Baltimore, Md. Display-rack. No. 1,055,064; Mar. 4; Gaz. vol. 188; p. 140.
 Miller, Andrew E., assignor to S. Himmel, Baltimore, Md. Display-rack. No. 1,063,822; June 3; Gaz. vol. 191; p. 225.
 Miller, Andrew E., assignor to S. Himmel, Baltimore, Md. Display-rack. No. 1,063,925; June 3; Gaz. vol. 191; p. 259.
 Miller, Andrew E., assignor to H. Cassard, Baltimore, Md. Broom-sewing machine. No. 1,062,546; May 20; Gaz. vol. 190; p. 747.
 Miller, Anna W. (See Miller, Oscar, assignor.)
 Miller, Arthur K., Peekskill, N. Y. Electric signal-lamp. No. 1,064,515; June 10; Gaz. vol. 191; p. 495.
 Miller, Arthur K., Peekskill, N. Y. Lamp. No. 1,070,161; Aug. 12; Gaz. vol. 193; p. 399.
 Miller, Arthur W., Wild Rose, Saskatchewan, Canada. Music-leaf turner. No. 1,066,301; July 1; Gaz. vol. 192; p. 142.
 Miller, August, Berkeley, Cal. Individual car-strap. No. 1,065,383; June 24; Gaz. vol. 191; p. 856.
 Miller, August M., Lake Preston, S. D. Meat-smoking apparatus. No. 1,063,571; June 3; Gaz. vol. 191; p. 136.
 Miller, Axel H., Chicago, Ill. Vehicle-wheel. No. 1,075,664; Oct. 14; Gaz. vol. 195; p. 397.
 Miller, Benjamin D., Wooster, Ohio, assignor to E. Paumier and G. A. Hudson. Box-lid holder. No. 1,075,844; Oct. 14; Gaz. vol. 195; p. 459.
 Miller, Benson L., Kingston, N. Y. Combined teeth-separator and mirror. No. 1,057,974; Apr. 1; Gaz. vol. 189; p. 198.
 Miller, Carl G., Mount Clemens, Mich. Fly-trap. No. 1,073,811; Sept. 23; Gaz. vol. 194; p. 830.
 Miller, Charles E. (See Laird and Miller.)
 Miller, Charles F. (See Schofield and Miller.)
 Miller, Charles G. (See Ludwick, William F., assignor.)
 Miller, Charles J., Minneapolis, Minn., assignor, by mesne assignments, to The Lamson Company, Boston, Mass. Store-service apparatus. No. 1,081,249; Dec. 9; Gaz. vol. 197; p. 487.
 Miller, Charles M., Tyrone, Pa. Railway-splice. No. 1,076,638; Oct. 21; Gaz. vol. 195; p. 765.
 Miller, Chester D., San Diego, Cal. Internal-combustion engine. No. 1,065,461; June 24; Gaz. vol. 191; p. 883.
 Miller, Christian R. (See Bowman, Elhanan, assignor.)
 Miller, Christopher J., Rochester, N. Y. Supporting-stand. No. 1,052,741; Feb. 11; Gaz. vol. 187; p. 336.
 Miller, Clarence D., assignor of one-third to H. F. Haviland and one-third to W. J. Miller, Philadelphia, Pa. Sleeve-type two-cycle engine. No. 1,057,442; Apr. 1; Gaz. vol. 189; p. 16.
 Miller, Clarence R., Flint, Mich. Carriage-lock. No. 1,065,705; June 24; Gaz. vol. 191; p. 966.
 Miller, Clifford G., New York, N. Y. Magnetic switch. No. 1,061,919; May 13; Gaz. vol. 190; p. 496.
 Miller, Clifton, Brooksville, Ky. Animal-trap. No. 1,053,053; Feb. 11; Gaz. vol. 187; p. 445.
 Miller, Clinton D., Washington, D. C. Engine-hood cover. No. 1,054,592; Feb. 25; Gaz. vol. 187; p. 1052.

Alphabetical list of patentees—Continued.

- Miller & Co., Clifford L. (See Slosson, James S., assignor.)
- Miller, Commodore R., Woodlawn borough, assignor, by mesne assignments, to Superior Gas Improvement Company, Pittsburgh, Pa. Manufacturing gas. No. 1,061,861; May 13; Gaz. vol. 190; p. 476.
- Miller, Commodore R., Woodlawn borough, assignor, by mesne assignments, to Superior Gas Improvement Company, Pittsburgh, Pa. Gas-condenser. No. 1,071,648; Aug. 26; Gaz. vol. 193; p. 973.
- Miller, Cornelius, assignor to M. Lenahan, Providence, R. I. Device for threading shuttles. No. 1,063,133; May 27; Gaz. vol. 190; p. 984.
- Miller, Corwin E., Peru, Ind. Airless and punctureless automobile-tire. No. 1,065,162; June 17; Gaz. vol. 191; p. 744.
- Miller, Cyrus E., Bellevue borough, Pa. Automatic intermittent solution control. No. 1,067,786; July 15; Gaz. vol. 192; p. 713.
- Miller, D D and D. E. Rowland; said Rowland assignor to The Noy Manufacturing Company, Canton, Ohio. Hay-carrier. No. 1,074,189; Sept. 30; Gaz. vol. 194; p. 986.
- Miller, David I., Allens Creek, Tenn. Discharge-spout for bins and chambers. No. 1,057,074; Mar. 25; Gaz. vol. 188; p. 920.
- Miller, Du Brul and Peters Manufacturing Company. (See Du Brul, Napoleon, assignor.)
- Miller, Du Brul & Peters Manufacturing Company, The. (See Kottusch, Emil W., assignor.)
- Miller, Du Brul & Peters Manufacturing Company, The. (See Rosewarne, Richard E., assignor.)
- Miller, Edward. (See Winklmann and Miller.)
- Miller, Edward A., assignor to Acetylene Welding Company, New York, N. Y. Cutting-torch. No. 1,055,065; Mar. 4; Gaz. vol. 188; p. 141.
- Miller, Edwin S., Buffalo, N. Y. Ratchet. No. 1,065,163; June 17; Gaz. vol. 191; p. 744.
- Miller Electric Switch Company, The. (See Miller, Royal R., assignor.)
- Miller Electric Switch Company, The. (See Walker, Cassius M., assignor.)
- Miller, Ellis D., Berkeley, Cal. Towel-dispenser. No. 1,078,938; Nov. 18; Gaz. vol. 196; p. 647.
- Miller, Elmer E., Valley View, Pa. Automatic gas-valve. No. 1,062,178; May 20; Gaz. vol. 190; p. 626.
- Miller, Elmer E., Valley View, Pa. Gas-valve. No. 1,062,179; May 20; Gaz. vol. 190; p. 627.
- Miller, Elting. (See Palmer, Layton W., assignor.)
- Miller, Emma A., Varina, Iowa. Window-pane-holding device. No. 1,065,958; July 1; Gaz. vol. 192; p. 19.
- Miller, Emma T., San Antonio, Tex. Hat-fastener. No. 1,073,507; Sept. 16; Gaz. vol. 194; p. 702.
- Miller, Ernest B., Baltimore, Md. Feeding device for furnaces. No. 1,064,516; June 10; Gaz. vol. 191; p. 495.
- Miller, Eseck C., Newark, N. J., assignor to Imperial Stopper Company. Liquid-compensating device for bottle-capping machines. No. 1,050,373; Jan. 14; Gaz. vol. 186; p. 392.
- Miller, Eugene L., Portland, Oreg. System of closet sanitation. No. 1,081,130; Dec. 9; Gaz. vol. 197; p. 447.
- Miller, Frank F., Sioux City, Iowa. Door. No. 1,069,345; Aug. 5; Gaz. vol. 193; p. 90.
- Miller, Frank G., Defiance, Ohio. Freight-car. No. 1,081,853; Dec. 16; Gaz. vol. 197; p. 728.
- Miller, Frank P., Meadville, Pa. Chuck. No. 1,072,142; Sept. 2; Gaz. vol. 194; p. 162.
- Miller, Franklin C., Easton, Pa. Lock for automobile-boxes, &c. No. 1,053,527; Feb. 18; Gaz. vol. 187; p. 653.
- Miller, Franklin C., Easton, Pa. Door-lock for automobiles, &c. No. 1,067,048; July 8; Gaz. vol. 192; p. 425.
- Miller, Fred J., Dudley, Wis. Lumber-binding chain. No. 1,053,054; Feb. 11; Gaz. vol. 187; p. 445.
- Miller, Fred W. (See Kale and Miller.)
- Miller, Fred W., J. J. Kale, and S. D. Robinson, Sheldon, Iowa. Combination display stand and rack. No. 1,072,347; Sept. 2; Gaz. vol. 194; p. 228.
- Miller, Frederick. (See Chamberlin and Miller.)
- Miller, Frederick, Port Arthur, Tex. Elevator and conveyor for concrete-mixers. No. 1,066,302; July 1; Gaz. vol. 192; p. 143.
- Miller, Frederick, and H. L. Blum, San Francisco, Cal. Rotary internal-combustion engine. No. 1,082,205; Dec. 23; Gaz. vol. 197; p. 874.
- Miller, Frederick B., Milwaukee, Wis. Vacuum-pot. No. 1,057,655; Apr. 1; Gaz. vol. 189; p. 88.
- Miller, Fritz H., Wilbur, Wash. Provision-receptacle. No. 1,055,206; Mar. 4; Gaz. vol. 188; p. 184.
- Miller, George C., New York, N. Y. Window-sash lock. No. 1,077,487; Nov. 4; Gaz. vol. 196; p. 87.
- Miller, George C., and W. J. Beattie, assignors to The Pyro-Pin Mfg. Co., Fitchburg, Mass. Game apparatus. No. 1,051,613; Jan. 28; Gaz. vol. 186; p. 885.
- Miller, George E., Madison, Me. Fluid stuffing-box. No. 1,073,273; Sept. 16; Gaz. vol. 194; p. 622.
- Miller, George E., Sacramento, assignor to E. Clemens Horst Company, San Francisco, Cal. Vine-grasper. No. 1,054,360; Feb. 25; Gaz. vol. 187; p. 973.
- Miller, George E., Oakland, and E. B. Cantrell, San Francisco, Cal. Frictionless liquid-packing. No. 1,057,656; Apr. 1; Gaz. vol. 189; p. 89.
- Miller, George W., Los Angeles, Cal. Multiple-vending machine. No. 1,050,675; Jan. 14; Gaz. vol. 186; p. 495.
- Miller, George W., Los Angeles, Cal. Vending-machine. No. 1,067,669; July 15; Gaz. vol. 192; p. 674.
- Miller, George W., Los Angeles, Cal. Vending-machine. No. 1,072,758; Sept. 9; Gaz. vol. 194; p. 400.
- Miller, George W., Meriden, Conn. Key-holder. No. 1,053,626; Feb. 18; Gaz. vol. 187; p. 686.
- Miller, George W., assignor of one-half to A. E. Dymont, Toronto, Ontario, Canada. Gate. No. 1,081,395; Dec. 16; Gaz. vol. 197; p. 575.
- Miller, Gustaf E. W., Worcester, Mass. Tooth-brush. No. 1,054,017; Feb. 25; Gaz. vol. 187; p. 856.
- Miller, Gustave L., Geneseo, Ill. Corn-husker. No. 1,068,261; July 22; Gaz. vol. 192; p. 909.
- Miller, Guyon, assignor to Downingtown Manufacturing Company, Downingtown, Pa. Reel for winding paper. No. 1,075,051; Oct. 7; Gaz. vol. 195; p. 159.
- Miller, Harry A., assignor to New-Miller Manufacturing Company, Los Angeles, Cal. Carburetor. No. 1,065,462; June 24; Gaz. vol. 191; p. 883.
- Miller, Harvey L., assignor to C. W. Parker, Leavenworth, Kans. Carousel. No. 1,059,895; Apr. 22; Gaz. vol. 189; p. 971.
- Miller, Henry, *et al.* (See Hammes, Frederic J., assignor.)
- Miller, Henry, Washington, Pa. Umbrella. No. 1,052,684; Feb. 11; Gaz. vol. 187; p. 319.
- Miller, Henry C., Waterford, N. Y. Sound-box. No. 1,050,743; Jan. 14; Gaz. vol. 186; p. 517.
- Miller, Henry C., Waterford, N. Y. Sound-box. No. 1,063,823; June 3; Gaz. vol. 191; p. 225.
- Miller, Henry C., Waterford, N. Y. Automatic stopping device for sound-reproducing machines. No. 1,076,385; Oct. 21; Gaz. vol. 195; p. 673.
- Miller, Henry C., Waterford, N. Y. Controlling mechanism. No. 1,077,152; Oct. 28; Gaz. vol. 195; p. 992.
- Miller, Henry C., Milwaukee, Wis. Loose-leaf binder. No. 1,056,926; Mar. 25; Gaz. vol. 188; p. 870.
- Miller, Henry C., Milwaukee, Wis. Loose-leaf binder. No. 1,072,633; Sept. 9; Gaz. vol. 194; p. 357.
- Miller, Henry C., Milwaukee, Wis. Post for loose-leaf binders. No. 1,072,867; Sept. 9; Gaz. vol. 194; p. 441.
- Miller, Henry M., assignor of two-thirds to S. Workman and M. A. Byrnside, Madison, W. Va. Animal-trap. No. 1,059,896; Apr. 22; Gaz. vol. 189; p. 971.
- Miller, Hiram S. (See Pronovost and Miller.)
- Miller, Ione, Bradford, assignor to The Spirella Company, Meadville, Pa. Underwaist. No. 1,068,689; July 29; Gaz. vol. 192; p. 1095.
- Miller, Ione, Bradford, assignor to The Spirella Company, Meadville, Pa. Underwaist. No. 1,068,690; July 29; Gaz. vol. 192; p. 1095.
- Miller, Isaac B. (See Stoltzfus and Miller.)
- Miller, Isaac W., assignor to Miller Store Fixture Company, St. Louis, Mo. Show-case construction. No. 1,076,143; Oct. 21; Gaz. vol. 195; p. 589.
- Miller, Ives A., Grapeville, Pa. Rail-fastening. No. 1,082,433; Dec. 23; Gaz. vol. 197; p. 954.
- Miller, Jacob G., Lancaster, Pa. Soap-dispenser. No. 1,061,099; May 6; Gaz. vol. 190; p. 184.
- Miller, James. (See Ell and Miller.)
- Miller, James B., Rochester, N. Y. Folding box and blank therefor. No. 1,069,021; July 29; Gaz. vol. 192; p. 1210.
- Miller, James B., Rochester, N. Y. Covered receptacle and handle and blank therefor. No. 1,071,563; Aug. 26; Gaz. vol. 193; p. 944.
- Miller, James B., assignor to The J. B. Miller Keyless Lock Company, Kent, Ohio. Combination-lock. No. 1,059,483; Apr. 22; Gaz. vol. 189; p. 838.
- Miller, James M., Washington, D. C. Inclosed core for tires. No. 1,052,422; Feb. 4; Gaz. vol. 187; p. 197.
- Miller, Jesse D., Hampton, Va. Stay. No. 1,078,208; Nov. 11; Gaz. vol. 196; p. 363.
- Miller, Jesse P., Lewis, La. Safety apparatus for oil-tanks. No. 1,059,191; Apr. 15; Gaz. vol. 189; p. 701.
- Miller, Jesse W. (See Miller, William I. and J. W.)
- Miller, John. (See Davis and Miller.)
- Miller, John, Lewiston, Idaho. Plow-wheel. No. 1,051,746; Jan. 28; Gaz. vol. 186; p. 928.
- Miller, John, Radnor, Ohio. Animal-holder. No. 1,062,109; May 20; Gaz. vol. 190; p. 603.
- Miller, John, Schenectady, N. Y., assignor to General Electric Company. Gear-wheel. No. 1,061,770; May 13; Gaz. vol. 190; p. 449.
- Miller, John A., Indianapolis, Ind. Merry-go-round. No. 1,049,753; Jan. 7; Gaz. vol. 186; p. 147.
- Miller, John A., Homewood, Ill. Pleasure-waterway. No. 1,062,838; May 27; Gaz. vol. 190; p. 887.
- Miller, John A., Homewood, Ill. Pleasure-railway structure. (Reissue.) No. 13,588; July 1; Gaz. vol. 192; p. 196.
- Miller, John A., Chicago, Ill. Handle-bar mechanism for pleasure-railways. No. 1,062,839; May 27; Gaz. vol. 190; p. 887.

Alphabetical list of patentees—Continued.

- Miller, John A., assignor to Motor Car Equipment Repairs Company, Inc., Los Angeles, Cal. Auxiliary air-inlet valve. No. 1,064,360; June 10; Gaz. vol. 191; p. 441.
- Miller, John A., Homewood, Ill., and V. Keenan, Cincinnati, Ohio. Aquatic pleasure structure. No. 1,076,779; Oct. 28; Gaz. vol. 195; p. 866.
- Miller, John B., Chicago, Ill. Inhaler. No. 1,072,759; Sept. 9; Gaz. vol. 194; p. 401.
- Miller, John E. (See Miller and Orgel.)
- Miller, John E., Coffey, Mo. Wire-stretcher. No. 1,081,250; Dec. 9; Gaz. vol. 197; p. 488.
- Miller, John F., Baltimore, Md. Fire-escape. No. 1,059,062; Apr. 15; Gaz. vol. 189; p. 656.
- Miller, John F., and W. V. Turner, Edgewood, Pa. Safety device for controllers. No. 1,053,311; Feb. 18; Gaz. vol. 187; p. 578.
- Miller, John H. (See Tegelbeckers and Eslinger, assignors.)
- Miller, John H., Chambersburg, Pa. Tool-holder. No. 1,057,257; Mar. 25; Gaz. vol. 188; p. 984.
- Miller, John H., assignor of one-sixteenth to L. O'Dea, Washington, D. C. Bumper or cushioning device. No. 1,051,508; Jan. 28; Gaz. vol. 186; p. 849.
- Miller, John J., San Diego, Cal. Tide-lock power apparatus. No. 1,067,049; July 8; Gaz. vol. 192; p. 425.
- Miller, John J., San Diego, Cal. Ornamental reinforced-concrete veneer. No. 1,072,760; Sept. 9; Gaz. vol. 194; p. 401.
- Miller, John J., San Diego, Cal. Tape-line protector. No. 1,075,052; Oct. 7; Gaz. vol. 195; p. 160.
- Miller, John J., assignor to F. N. Burt Company Limited, Buffalo, N. Y. Box-machine. No. 1,053,627; Feb. 18; Gaz. vol. 187; p. 686.
- Miller, John J. A., Denver, Colo. Metallic hose. No. 1,056,110; Mar. 18; Gaz. vol. 188; p. 561.
- Miller, John J. A., Denver, Colo. Paper-fastener. No. 1,072,483; Sept. 9; Gaz. vol. 194; p. 306.
- Miller, John L., Monroe, Ga. Hammer. No. 1,055,936; Mar. 11; Gaz. vol. 188; p. 466.
- Miller, John L., Paulsboro, N. J. Motor-cycle seat and support therefor. No. 1,071,255; Aug. 26; Gaz. vol. 193; p. 842.
- Miller, John W., Bernharts, Pa. Horseshoe-calk. No. 1,061,395; May 13; Gaz. vol. 190; p. 319.
- Miller, Joseph. (See McWilliams and Miller.)
- Miller, Joseph, Chicago, Ill. Hose-coupling. No. 1,064,154; June 10; Gaz. vol. 191; p. 372.
- Miller, Joseph, assignor to The Champion Register Company, Cleveland, Ohio. Record-keeper. No. 1,070,906; Aug. 19; Gaz. vol. 193; p. 691.
- Miller, Joseph W., Harrisburg, Pa. Computing-machine. No. 1,053,628; Feb. 18; Gaz. vol. 187; p. 687.
- Miller, Julius. (See Thomas, Pete, assignor.)
- Miller, Julius J., St. Joseph, Mich., assignor to W. P. Healy, Chicago, Ill. Metal-bound box. No. 1,053,198; Feb. 18; Gaz. vol. 187; p. 539.
- Miller, Kempster B., assignor to McMeen & Miller, Chicago, Ill. Harmonic relay. No. 1,078,106; Nov. 11; Gaz. vol. 196; p. 329.
- Miller, Leslie V., Chicago, Ill., assignor to United Shoe Machinery Company, Paterson, N. J. Lasting-tack puller. (Reissue.) No. 13,581; June 24; Gaz. vol. 191; p. 1037.
- Miller, Lewis P., Huron, S. D. Insect-exterminator. No. 1,070,830; Aug. 19; Gaz. vol. 193; p. 667.
- Miller, Lincoln C., *et al.* (See Ames, Joel, assignor.)
- Miller Lock Co. (See Soley, Frank, assignor.)
- Miller, Louis G., and F. C. Dankmyer, Westmont borough, Pa. Car-coupling. No. 1,076,050; Oct. 21; Gaz. vol. 195; p. 557.
- Miller, Louis W., Rochester, assignor to National Police Signal Company, Buffalo, N. Y. Electrical communicating system. No. 1,080,018; Dec. 2; Gaz. vol. 197; p. 34.
- Miller, Luther L., trustee. (See Fleming and Langos, assignors.)
- Miller Manufacturing Company, The. (See Miller, Adolph, assignor.)
- Miller, Mary E., Granite Falls, Wash. Dish-washing machine. No. 1,049,896; Jan. 7; Gaz. vol. 186; p. 196.
- Miller, Milton V., Chicago, Ill. Under-water exhaust. No. 1,073,920; Sept. 23; Gaz. vol. 194; p. 868.
- Miller, Morris. (See Jorgensen, John S., assignor.)
- Miller, Oscar, assignor of forty-five one-hundredths to A. W. Miller, Denver, Colo. Electric animal-trap. No. 1,055,645; Mar. 11; Gaz. vol. 188; p. 368.
- Miller, Otto F. (See Collins, John C., assignor.)
- Miller Pasteurizing Machine Company, The. (See Pfouts, Leroy S., assignor.)
- Miller, Perry, Yorktown, Ind. Road-scraper. No. 1,052,502; Feb. 11; Gaz. vol. 187; p. 258.
- Miller, Reuben, Jr., Pittsburgh, Pa. Securing a saw-blade clamp to a saw-frame. No. 1,067,362; July 15; Gaz. vol. 192; p. 570.
- Miller, Robert E., Pecos, Tex. Cigar-tip cutter. No. 1,073,615; Sept. 23; Gaz. vol. 194; p. 761.
- Miller, Robert E. L., Fort Worth, Tex. Intestine-protector. No. 1,060,350; Apr. 29; Gaz. vol. 189; p. 1172.
- Miller, Robert H., assignor to Laclede-Christy Clay Products Company, St. Louis, Mo. Leer. No. 1,070,509; Aug. 19; Gaz. vol. 193; p. 560.
- Miller, Royal R. (See Kramer and Miller.)
- Miller, Royal R., Pueblo, Colo. Adjustment for invalids' cots. No. 1,077,359; Nov. 4; Gaz. vol. 196; p. 41.
- Miller, Royal R., Pueblo, Colo., assignor to The Miller Electric Switch Company. Construction of trolley insulated sections. No. 1,075,787; Oct. 14; Gaz. vol. 195; p. 439.
- Miller Rubber Company. (See Pfeiffer, Jacob, assignor.)
- Miller, Rudolph C., Reno, Nev. Fuse-cap protector. No. 1,081,854; Dec. 16; Gaz. vol. 197; p. 729.
- Miller, Samuel F., New York, N. Y., and J. W. Cox, assignors to Pacific Flush Tank Company, Chicago, Ill. Plural alternating siphon. No. 1,058,319; Apr. 8; Gaz. vol. 189; p. 362.
- Miller, Sarah A., New York, N. Y. Alcohol or powder appliance. No. 1,073,155; Sept. 16; Gaz. vol. 194; p. 579.
- Miller, Stephen J., Danbury, Conn. Curling-machine for soft hats. No. 1,060,275; Apr. 29; Gaz. vol. 189; p. 1145.
- Miller Store Fixture Company. (See Miller, Isaac W., assignor.)
- Miller, Theodore F., assignor of one-half to W. F. Terry, Washington, D. C. Box-lock. No. 1,050,559; Jan. 14; Gaz. vol. 186; p. 459.
- Miller, Theodore H., Poughkeepsie, assignor to F. J. Arend, New York, N. Y., and J. Bernstrom, Stockholm, Sweden. Centrifugal machine for separating solids from liquids. No. 1,057,443; Apr. 1; Gaz. vol. 189; p. 17.
- Miller, Thomas. (See Helvig and Miller.)
- Miller, Thomas D., Catonsville, Md. Can-deheading machine. No. 1,058,379; Apr. 8; Gaz. vol. 189; p. 384.
- Miller, Thomas D., Catonsville, Md. Shingle. No. 1,059,682; Apr. 22; Gaz. vol. 189; p. 903.
- Miller, Thomas S., South Orange, N. J. Rope-drum. No. 1,062,723; May 27; Gaz. vol. 190; p. 848.
- Miller, Thomas S., South Orange, N. J. Marine cableway. No. 1,076,599; Oct. 21; Gaz. vol. 195; p. 749.
- Miller, Walter H., Orange, assignor to T. A. Edison, Incorporated, West Orange, N. J. Sound-box. No. 1,068,441; July 29; Gaz. vol. 192; p. 1009.
- Miller, Warren J., *et al.* (See Miller, Clarence D., assignor.)
- Miller, Willa M., Nineveh, Va. Book-holder. No. 1,054,437; Feb. 25; Gaz. vol. 187; p. 1000.
- Miller, William, *et al.* (See Winkstern, Ernest, assignor.)
- Miller, William B., Louisville, Ohio. Dial-fastening device for watches. No. 1,074,130; Sept. 30; Gaz. vol. 194; p. 967.
- Miller, William E., Seattle, Wash. Stench-trap. No. 1,065,706; June 24; Gaz. vol. 191; p. 966.
- Miller, William E., Palisade, Nev. Tie-plate. No. 1,070,623; Aug. 19; Gaz. vol. 193; p. 598.
- Miller, William E., Providence, R. I. Gripping device. No. 1,073,156; Sept. 16; Gaz. vol. 194; p. 579.
- Miller, William F., Newton, Mass. Internal-combustion engine. No. 1,050,779; Jan. 14; Gaz. vol. 186; p. 529.
- Miller, William G., North Tarrytown, N. Y. Driving-wheel for motor-vehicles. No. 1,082,434; Dec. 23; Gaz. vol. 197; p. 955.
- Miller, William H., Crawfordsville, Ind. Trash-arrester and filter. No. 1,074,375; Sept. 30; Gaz. vol. 194; p. 1048.
- Miller, William H., Emaus, Pa. Trolley collector-shoe. No. 1,079,059; Nov. 18; Gaz. vol. 196; p. 691.
- Miller, William H. and J. E., and W. H. Orgel, Cleveland, Ohio. Combination-faucet. No. 1,078,939; Nov. 18; Gaz. vol. 196; p. 647.
- Miller, William I. and J. W., Red Wing, Minn. Horseshoe-calk. No. 1,075,263; Oct. 7; Gaz. vol. 195; p. 235.
- Miller, William J. (See Jones and Miller.)
- Miller, William L., assignor to Gisholt Machine Company, Madison, Wis. Back-facing device for lathes. No. 1,051,151; Jan. 21; Gaz. vol. 186; p. 696.
- Miller, William L., assignor to Gisholt Machine Company, Madison, Wis. Clutch mechanism. No. 1,062,840; May 27; Gaz. vol. 190; p. 887.
- Miller, William L., assignor to Gisholt Machine Company, Madison, Wis. Automatic cross-slide feed-trip for lathes. No. 1,072,484; Sept. 9; Gaz. vol. 194; p. 306.
- Miller, William L., assignor to Gisholt Machine Company, Madison, Wis. Power-operated chuck. No. 1,074,280; Sept. 30; Gaz. vol. 194; p. 1016.
- Miller, William L., assignor to Gisholt Machine Company, Madison, Wis. Automatic turret-lathe. No. 1,081,396; Dec. 16; Gaz. vol. 197; p. 576.
- Miller, William M., and S. A. Shipp, Los Angeles, Cal. Regulator. No. 1,075,219; Oct. 7; Gaz. vol. 195; p. 217.
- Miller, William S. (See Blakely and Miller.)
- Miller, William S., Lawton, Okla. Garbage-can. No. 1,072,022; Sept. 2; Gaz. vol. 194; p. 121.
- Miller, William W., San Francisco, Cal. Disappearing table or shelf. No. 1,055,066; Mar. 4; Gaz. vol. 188; p. 141.
- Millers Falls Company. (See Leland, John A., assignor.)
- Millers Falls Company. (See Ryther, Henry A., assignor.)

Alphabetical list of patentees—Continued.

- Millers Falls Company. (See Victory and Parsons, assignors.)
- Millet, Félix T., assignor to A. Vanaker and P. Millet, Persan, France. Apparatus for compressing leather soles. No. 1,068,262; July 22; Gaz. vol. 192; p. 909.
- Millet, Paul, *et al.* (See Millet, Félix T., assignor.)
- Millholland, Robert D., Redlands, Cal. Railway-crossing. No. 1,080,841; Dec. 9; Gaz. vol. 197; p. 355.
- Millice, Paul S., Hamilton, Ohio, assignor to Fire-Proof Furniture and Construction Company, New York, N. Y. Metal filing-cabinet. No. 1,060,691; May 6; Gaz. vol. 190; p. 44.
- Millice, Paul S., Hamilton, Ohio, assignor to Fire-Proof Furniture and Construction Company, New York, N. Y. Locking mechanism for superposed drawers. No. 1,073,274; Sept. 16; Gaz. vol. 194; p. 622.
- Millice, Paul S., Hamilton, Ohio, assignor to Fire-Proof Furniture and Construction Company, New York, N. Y. Filing-case. No. 1,075,369; Oct. 14; Gaz. vol. 195; p. 296.
- Milligan, J. A. (See Jones, Wyatt A. O., assignor.)
- Milligan, Stephen W., Elizabeth, and J. F. Jacobsen, assignors to The Manufacturers Can Company, Newark, N. J. Sealing device for cans, &c. No. 1,082,892; Dec. 30; Gaz. vol. 197; p. 1148.
- Milliren, John E., Falls Creek, Pa. Glass-drawing bait. No. 1,075,220; Oct. 7; Gaz. vol. 195; p. 217.
- Millis, Linn W., Kansas City, Mo. Heating apparatus. No. 1,075,116; Oct. 7; Gaz. vol. 195; p. 181.
- Milloway, Walter J., Larned, Kans. Grain-door. No. 1,051,965; Feb. 4; Gaz. vol. 187; p. 41.
- Mills, Albert W., West Orange, N. J. Pneumatic agitator and cleaner. No. 1,078,512; Nov. 11; Gaz. vol. 196; p. 469.
- Mills, Art T., Warsaw, Mo. Folding car-step. No. 1,056,041; Mar. 18; Gaz. vol. 188; p. 536.
- Mills, E. A., *et al.* (See Stevens, Bert, assignor.)
- Mills, Edward L., Los Angeles, Cal. Casing-spear. No. 1,054,232; Feb. 25; Gaz. vol. 187; p. 930.
- Mills, Edward L., Los Angeles, Cal. Casing-perforator. No. 1,063,277; June 3; Gaz. vol. 191; p. 37.
- Mills, Edward N., San Francisco, assignor to Western Door Control Company, Brentwood, Cal. Pneumatic elevator-door controller. No. 1,064,847; June 17; Gaz. vol. 191; p. 642.
- Mills, Edward R., and C. A. Conn, assignors to Liberty Manufacturing Company, Pittsburgh, Pa. Rotary motor. No. 1,053,055; Feb. 11; Gaz. vol. 187; p. 445.
- Mills, Elton J., Long Pine, Nebr. Driving-bit. No. 1,054,593; Feb. 25; Gaz. vol. 187; p. 1052.
- Mills, George F., Cottagehill, Fla. Apparatus for building foundations and walls. No. 1,068,442; July 29; Gaz. vol. 192; p. 1010.
- Mills, George F., Cottagehill, Fla. Concrete construction. No. 1,075,928; Oct. 14; Gaz. vol. 195; p. 488.
- Mills, George W., and J. E. Simpson, Georgetown, Pa. Gravity concrete-mixer. No. 1,072,143; Sept. 2; Gaz. vol. 194; p. 163.
- Mills, H. S. (See Mills, Mortimer B., assignor.)
- Mills, Herbert S. (See Sandell, Henry K., assignor.)
- Mills, Howard E., Jr. (See Maurer, Herman W., assignor.)
- Mills, John H. T., and V. H., Hubbard, Tex. Automatic feed-water steam-generator. No. 1,052,080; Feb. 4; Gaz. vol. 187; p. 82.
- Mills, Joseph H., Richmond, Ind. Structural material. No. 1,075,845; Oct. 14; Gaz. vol. 195; p. 459.
- Mills, Joseph H., Richmond, Ind. Packing or shipping box. No. 1,077,890; Nov. 4; Gaz. vol. 196; p. 223.
- Mills, Louis C., Los Angeles, Cal. Wick-lifter for torches. No. 1,053,629; Feb. 18; Gaz. vol. 187; p. 687.
- Mills, Mortimer B., assignor of one-half to H. S. Mills, Chicago, Ill. Means for converting reciprocatory motion into rotary motion. No. 1,054,594; Feb. 25; Gaz. vol. 187; p. 1052.
- Mills Novelty Co. (See Sandell, Henry K., assignor.)
- Mills, Orrie J., Hudson Falls, N. Y. Rossing apparatus for removing bark from logs. No. 1,060,928; May 6; Gaz. vol. 190; p. 126.
- Mills, Robert W., Chicago, Ill. Music-stand. No. 1,058,079; Apr. 8; Gaz. vol. 189; p. 278.
- Mills, Robert W., Chicago, Ill. Drum-stand. No. 1,059,192; Apr. 15; Gaz. vol. 189; p. 702.
- Mills, Roland A., Osceola, Nebr. Game apparatus. No. 1,054,856; Mar. 4; Gaz. vol. 188; p. 71.
- Mills, Samuel J. S., assignor to Jones and Attwood Limited, Stourbridge, England. Apparatus for distributing sewage or sewage effluent upon the surfaces of filter-beds. No. 1,064,848; June 17; Gaz. vol. 191; p. 642.
- Mills, Scott N., Hope, Ark. Fertilizer-distributor. No. 1,055,347; Mar. 11; Gaz. vol. 188; p. 270.
- Mills, Thomas, Sandhurst, England. Propulsion of vessels. No. 1,049,384; Jan. 7; Gaz. vol. 186; p. 23.
- Mills, Virgil H. (See Mills, John H. T. and V. H.)
- Mills, Virgil H., Hubbard, Tex. Lamp-burner. No. 1,073,358; Sept. 16; Gaz. vol. 194; p. 652.
- Mills, William H., assignor of one-half to D. J. Foss, Wooster, Ohio. Brush. No. 1,077,851; Nov. 4; Gaz. vol. 196; p. 208.
- Mills Woven Cartridge Belt Company. (See Jennings, Victor H., assignor.)
- Millspaugh, William H., Sandusky, Ohio. Treating, molding and casting materials and apparatus therefor. No. 1,058,250; Apr. 8; Gaz. vol. 189; p. 337.
- Millspaugh, William L., *et al.* (See Venners, James H., assignor.)
- Milne, Robert, assignor to Rockford Drilling Machine Company, Rockford, Ill. Feed for drill-spindles. No. 1,063,572; June 3; Gaz. vol. 191; p. 136.
- Milner, Henry J., Chicopee, Mass., assignor to Milner Manufacturing Company. Sanitary drinking-fountain. No. 1,075,433; Oct. 14; Gaz. vol. 195; p. 319.
- Milner Manufacturing Company. (See Milner, Henry J., assignor.)
- Milner, William, Casselton, N. D. Metallic knockdown wagon-box. No. 1,066,303; July 1; Gaz. vol. 192; p. 143.
- Miltner, Ernest, assignor to Rubber & Celluloid Harness Trimming Co., Newark, N. J. Manufacture of handles of plastic material. No. 1,052,081; Feb. 4; Gaz. vol. 187; p. 82.
- Miltner, Ernest, assignor to Rubber & Celluloid Harness Trimming Co., Newark, N. J. Apparatus for the manufacture of celluloid handles. No. 1,052,082; Feb. 4; Gaz. vol. 187; p. 82.
- Milton Bradley Company. (See Bugbee, Glenn W., assignor.)
- Milton Bradley Company. (See Palmer, Harry B., assignor.)
- Milton, John, Washington, D. C. Draft-regulator. No. 1,072,023; Sept. 2; Gaz. vol. 194; p. 121.
- Milton, John F., Texarkana, Tex. Valve. No. 1,080,991; Dec. 9; Gaz. vol. 197; p. 403.
- Milton, John L., Chicago, Ill. Inductor-generator for ignition purposes. No. 1,051,373; Jan. 21; Gaz. vol. 186; p. 769.
- Milton, John L., Chicago, Ill. Apparatus for generating alternating currents. No. 1,053,107; Feb. 11; Gaz. vol. 187; p. 465.
- Milton, Samuel N., Spencer, Idaho. Horseshoe. No. 1,056,436; Mar. 18; Gaz. vol. 188; p. 671.
- Milwaukee Heat Generator Company. (See Rock, Hubert J., assignor.)
- Milwaukee Locomotive Manufacturing Company. (See Goodspeed, Leland F., assignor.)
- Milwaukee Net Company. (See Wahra, Walter E., assignor.)
- Milwaukee Stamping Company. (See Petrie, August, assignor.)
- Milwaukee Woven Wire Works. (See Marquardt, Reinhold G., assignor.)
- Mincer, Charles E., Hamburg, Iowa. Mixing-tank. No. 1,060,479; Apr. 29; Gaz. vol. 189; p. 1217.
- Mincer, Edwin N., Chicago, Ill. Key-socket attachment. No. 1,077,630; Nov. 4; Gaz. vol. 196; p. 134.
- Mincher, Jerry, Wills Point, Tex. Head and face protector. No. 1,061,962; May 13; Gaz. vol. 190; p. 511.
- Minck, Peter J., Brooklyn, N. Y. Trolley-finder. No. 1,079,946; Dec. 2; Gaz. vol. 197; p. 7.
- Mindorfer, Frank. (See Kaehr, Arthur M., assignor.)
- Minea, Louis A., A. J. Zschocke, St. Paul, and S. J. Rauchwarter, Belleplaine, Minn.; said Rauchwarter assignor to said Minea and Zschocke. Station-indicator. No. 1,056,756; Mar. 18; Gaz. vol. 188; p. 783.
- Mineart, Christ, East Pleasant Plain, and E. E. White, Brighton, Iowa. Car-brake. No. 1,065,828; June 24; Gaz. vol. 191; p. 1007.
- Minehan, William A. (See Jones and Minehan.)
- Mineo, Woody A. (See Neely and Mineo.)
- Miner, Albert L., Bellows Falls, Vt. Dilating-syringe. No. 1,076,221; Oct. 21; Gaz. vol. 195; p. 616.
- Miner, Carl S. (See Singer, Philip A., assignor.)
- Miner, Charles, Wilkes-Barre, Pa. Shoe. No. 1,065,618; June 24; Gaz. vol. 191; p. 936.
- Miner, Howard A., Norristown, Pa. Bending-machine. No. 1,054,132; Feb. 25; Gaz. vol. 187; p. 894.
- Miner, James H., Lumberton, Miss. Acetylene-gas generator. No. 1,050,158; Jan. 14; Gaz. vol. 186; p. 318.
- Miner, James H., Lumberton, Miss. Wheel-flange lubricator. No. 1,050,159; Jan. 14; Gaz. vol. 186; p. 319.
- Miner, Louis H., Haverhill, Mass. Process and apparatus for heating asphalt. No. 1,066,515; July 8; Gaz. vol. 192; p. 242.
- Miner, Ralph K., Oriskany Falls, assignor to D. H. Burrell & Company, Little Falls, N. Y. Pump. No. 1,069,894; Aug. 12; Gaz. vol. 193; p. 308.
- Miner, W. H. (See O'Connor, John F., assignor.)
- Miner, William H. (See Berger, William A., assignor.)
- Miner, William H. (See Dath, Charles E., assignor.)
- Miner, William H. (See Haseltine, Stacy B., assignor.)
- Miner, William H. (See Johnson, George A., assignor.)
- Miner, William H. (See Lewis, Goodrich Q., assignor.)
- Miner, William H. (See Mitchell, John R., assignor.)
- Miner, William H. (See Nash, Charles J., assignor.)
- Miner, William H. (See O'Connor, John F., assignor.)
- Miner, William H., Chicago, Ill. Draft-rigging for railway-cars. No. 1,065,065; June 17; Gaz. vol. 191; p. 712.
- Miner, William H., Chicago, Ill. Draft-rigging for railway-cars. No. 1,070,053; Aug. 12; Gaz. vol. 193; p. 360.

Alphabetical list of patentees—Continued.

- Miner, William H., Chicago, Ill. Means of supporting face-plates. No. 1,070,054; Aug. 12; Gaz. vol. 193; p. 361.
- Miner, William H., Chicago, Ill. Draw-bar and yoke connection for railway draft-rigging. No. 1,073,275; Sept. 16; Gaz. vol. 194; p. 623.
- Miner, William H., Chicago, Ill. Railway draft-rigging. No. 1,074,190; Sept. 30; Gaz. vol. 194; p. 987.
- Mineral Concentrators Limited. (See Ogle, Percy J., assignor.)
- Minerals Separation Limited. (See Chapman and Tucker, assignors.)
- Minerals Separation Limited. (See Greenway and Lavers, assignors.)
- Minerals Separation Limited. (See Hebbard, James, assignor.)
- Minerals Separation Limited. (See Nutter, Edward H., assignor.)
- Minerals Separation Limited. (See Nutter and Lavers, assignors.)
- Minetty, George A., Davenport, Iowa. Dumping-car. No. 1,062,353; May 20; Gaz. vol. 190; p. 685.
- Mingus, Fred, Alma Center, Wis. Vehicle wheel-wrench. No. 1,049,897; Jan. 7; Gaz. vol. 186; p. 196.
- Minich, James J., Blessing, Tex. Self-cleaning currycomb. No. 1,078,451; Nov. 11; Gaz. vol. 196; p. 449.
- Minish, John C., Ridgway, Pa. Flexible sled. No. 1,051,614; Jan. 28; Gaz. vol. 186; p. 885.
- Minish, John C., Ridgway, Pa. Flexible sled. No. 1,075,846; Oct. 14; Gaz. vol. 195; p. 459.
- Minneapolis Gas Machine Company. (See Pfeifer, Frank, assignor.)
- Minneapolis Steel & Machinery Company. (See Gillette, George M., assignor.)
- Minnesota Manufacturers Association. (See Lister and Heimer, assignors.)
- Minnich, Simon B., Landisville, Pa. Pressing-jack. No. 1,071,074; Aug. 26; Gaz. vol. 193; p. 782.
- Minnick, Frank, Hamilton, Ohio. Gas-burner. No. 1,064,517; June 10; Gaz. vol. 191; p. 496.
- Minnick, George D., Riverton, Nebr. Resilient wheel. No. 1,060,480; Apr. 29; Gaz. vol. 189; p. 1217.
- Minor, Charles C., assignor of one-eighth to W. F. Smith and one-fourth to C. L. Jenness, Chicago, Ill. Photographic objective. No. 1,077,420; Nov. 4; Gaz. vol. 196; p. 64.
- Minor, William F., New York, N. Y. Timer. No. 1,072,973; Sept. 9; Gaz. vol. 194; p. 480.
- Minter, Edgar W., New York, N. Y. Foundation-pile drill. No. 1,067,363; July 15; Gaz. vol. 192; p. 570.
- Minton, Charles M., assignor to C. Stephens, Philomath, Oreg. Crosscut-saw handle. No. 1,068,358; July 22; Gaz. vol. 192; p. 942.
- Mintz, Mike, assignor to Gearless Automatic Pump Company, Rock Island, Ill. Tool for making spherical valve-seats. No. 1,063,995; June 10; Gaz. vol. 191; p. 317.
- Mintzer, Herman, *et al.* (See Paquet, Joseph, assignor.)
- Miollnir Rock Drill Company. (See Kessel, Wilhelm P., assignor.)
- Mirault, Maurice L., Les Riceys, France. Safety-pin. No. 1,077,360; Nov. 4; Gaz. vol. 196; p. 41.
- Misener, Sampson J., Woodside, Dartmouth, Nova Scotia, Canada. Traveling-grate furnace. No. 1,073,359; Sept. 16; Gaz. vol. 194; p. 653.
- Miserez, Jules. (See Babin and Miserez.)
- Mishler, Michael N., Billings, Mont. Penholder device. No. 1,052,362; Feb. 4; Gaz. vol. 187; p. 175.
- Miskell, Lewin A., Nelsonville, Ohio. Seat. No. 1,050,676; Jan. 14; Gaz. vol. 186; p. 495.
- Miskell, Lewin A., Nelsonville, Ohio. Switch attachment. No. 1,055,780; Mar. 11; Gaz. vol. 188; p. 415.
- Miskimen, William A., Hoopeston, Ill. Mail-bag catcher. No. 1,052,609; Feb. 11; Gaz. vol. 187; p. 294.
- Missouri Gas Heater and Appliance Company. (See Rohan, James J., assignor.)
- Missouri Hay Press Company. (See Livengood, Winfield S., assignor.)
- Mitchel, Charles C., Lyndhurst, N. J. Reamer. No. 1,062,841; May 27; Gaz. vol. 190; p. 888.
- Mitchel, Charles C., Lyndhurst, N. J. Fastener for railway-rails. No. 1,076,144; Oct. 21; Gaz. vol. 195; p. 589.
- Mitchell, Alfred H., Plumstead, England. Luffing-crane. No. 1,069,801; Aug. 12; Gaz. vol. 193; p. 275.
- Mitchell, Andrew F. (See Jones and Mitchell.)
- Mitchell, Arthur K., assignor to Universal Metal Flume Co., Ltd., Victoria, British Columbia, Canada. Flume-joint. No. 1,058,620; Apr. 8; Gaz. vol. 189; p. 464.
- Mitchell, Augusta V. (See Hancock, Winfield S., assignor.)
- Mitchell, Augustin, assignor to Woods & Chatellier, New York, N. Y. Cigarette-case. No. 1,054,979; Mar. 4; Gaz. vol. 188; p. 111.
- Mitchell, Charles. (See Robertson, George L., assignor.)
- Mitchell, Charles C. (See Paul and Mitchell.)
- Mitchell, Charles F., Manchester, J. L. Barker, Blackley, and J. Whittaker, Cheadle Hulme, England. Cloth-cutting machine. No. 1,066,304; July 1; Gaz. vol. 192; p. 143.
- Mitchell, Edward A., Carshalton, England. Surface-contact electric traction system. No. 1,050,223; Jan. 14; Gaz. vol. 186; p. 340.
- Mitchell, Frank, London, England, assignor, by mesne assignments, to Atlantic National Bank, Providence, R. I. Apparatus for ride, gunnery, and like practice. No. 1,075,589; Oct. 14; Gaz. vol. 195; p. 372.
- Mitchell, George, Los Angeles, Cal. Apparatus for aerial navigation. No. 1,074,281; Sept. 30; Gaz. vol. 194; p. 1017.
- Mitchell, George, Los Angeles, Cal. Apparatus for the treatment of ores. No. 1,074,282; Sept. 30; Gaz. vol. 194; p. 1017.
- Mitchell, Grady. (See Mitchell, James R. and G.)
- Mitchell, Guy K., Baltimore, Md. Dumb-waiter. No. 1,065,463; June 24; Gaz. vol. 191; p. 884.
- Mitchell, H. M. (See Lundstrom, Charles G., assignor.)
- Mitchell, Harold C., Crawfordsville, Ind. Clamp for holding doors. No. 1,055,937; Mar. 11; Gaz. vol. 188; p. 467.
- Mitchell, Harrison J., assignor to The Berlin Machine Works, Beloit, Wis. Fastening means for planer-heads. No. 1,049,589; Jan. 7; Gaz. vol. 186; p. 94.
- Mitchell, Harry R., North Yakima, Wash. Electric switch. No. 1,067,936; July 22; Gaz. vol. 192; p. 796.
- Mitchell, Harry R., and I. L. Sloan, Seattle, Wash. Bench-clamp. No. 1,056,818; Mar. 25; Gaz. vol. 188; p. 831.
- Mitchell, Harry R., and I. L. Sloan, Seattle, Wash. Level. No. 1,058,320; Apr. 8; Gaz. vol. 189; p. 363.
- Mitchell, Henry J., Elkhart, Ind. Vehicle-spring. No. 1,078,057; Nov. 11; Gaz. vol. 196; p. 312.
- Mitchell, Ida M., Los Angeles, Cal. Corset-stay fastener. No. 1,081,977; Dec. 23; Gaz. vol. 197; p. 798.
- Mitchell, James R. and G. Halsell, Tex. Draft device. No. 1,056,349; Mar. 18; Gaz. vol. 188; p. 639.
- Mitchell, James W., assignor of one-half to J. M. Watson, New Decatur, Ala. Andiron. No. 1,070,162; Aug. 12; Gaz. vol. 193; p. 399.
- Mitchell, John, Ponsonby, Auckland, New Zealand. Necktie. No. 1,057,075; Mar. 25; Gaz. vol. 188; p. 921.
- Mitchell, John, Auckland, New Zealand. Detachable tread. No. 1,066,305; July 1; Gaz. vol. 192; p. 144.
- Mitchell, John, Philadelphia, Pa. Clothes-line hook. No. 1,067,748; July 15; Gaz. vol. 192; p. 700.
- Mitchell, John C., Newport News, Va. Sealing the joints of sectional concrete pipes. No. 1,054,857; Mar. 4; Gaz. vol. 188; p. 71.
- Mitchell, John C., Newport News, Va., W. R. Harris, Louisville, Ky., and C. Meriwether, Montclair, N. J., assignors to Lock Joint Pipe Company, New York, N. Y. Concrete conduit. No. 1,054,858; Mar. 4; Gaz. vol. 188; p. 71.
- Mitchell, John E., New York, N. Y. Making gasoline jelly. No. 1,079,257; Nov. 18; Gaz. vol. 196; p. 757.
- Mitchell, John F. (See Laing, John E., assignor.)
- Mitchell, John F., Topeka, Kans. Vehicle-wheel. No. 1,073,697; Sept. 23; Gaz. vol. 194; p. 793.
- Mitchell, John F., Topeka, Kans. Seal. No. 1,081,978; Dec. 23; Gaz. vol. 197; p. 798.
- Mitchell, John R., assignor to W. H. Miner, Chicago, Ill. Tandem-spring draft-rigging. No. 1,056,200; Mar. 18; Gaz. vol. 188; p. 590.
- Mitchell, John T. H., Chicago, Ill. Advertising device. No. 1,054,018; Feb. 25; Gaz. vol. 187; p. 856.
- Mitchell, Louis J. (See Grass, Henry A., assignor.)
- Mitchell, Louis J., Fresno, Cal. Photographic-printing apparatus. No. 1,062,294; May 20; Gaz. vol. 190; p. 666.
- Mitchell, Nelson B., and J. W. Taggart, Sr., assignors of one-fourth to U. G. Redelmann, Indianapolis, Ind. Valve. No. 1,055,781; Mar. 11; Gaz. vol. 188; p. 415.
- Mitchell, Nelson B., and J. W. Taggart, Sr., assignors of one-third to U. G. Redelmann, Indianapolis, Ind. Engine. No. 1,060,202; Apr. 29; Gaz. vol. 189; p. 1118.
- Mitchell, Oliver, Boston, Mass., assignor to The Hinde & Dauch Paper Company, Sandusky, Ohio. Shipping-box. No. 1,058,777; Apr. 15; Gaz. vol. 189; p. 556.
- Mitchell, Raymond C., Springfield, Ohio. Explosive-engine. No. 1,065,619; June 24; Gaz. vol. 191; p. 936.
- Mitchell, Raymond C., and H. M. Neer, assignors to H. Voges, Jr., Springfield, Ohio. Explosive-engine. No. 1,076,903; Oct. 28; Gaz. vol. 195; p. 910.
- Mitchell, Raymond H., Royersford, Pa. Drainage-fitting. No. 1,054,438; Feb. 25; Gaz. vol. 187; p. 1000.
- Mitchell, Reuben A., and F. A. Emerick, Oil City, Pa. Electric heat-engine. No. 1,063,824; June 3; Gaz. vol. 191; p. 226.
- Mitchell, Richard S. M., assignor of one-half to E. A. Newcomb, Syracuse, N. Y. Transmitter. No. 1,056,350; Mar. 18; Gaz. vol. 188; p. 639.
- Mitchell, Richard S. M., assignor to The Talking Moving Picture Co., Inc., Syracuse, N. Y. Electrograph. No. 1,077,361; Nov. 4; Gaz. vol. 196; p. 42.
- Mitchell, Thomas J., Uniontown, Pa. Coke conveying and screening mechanism. No. 1,082,757; Dec. 30; Gaz. vol. 197; p. 1101.
- Mitchell, Thomas J., and J. A. McCreary, Uniontown, Pa. Coke-oven door. No. 1,050,677; Jan. 14; Gaz. vol. 186; p. 496.
- Mitchell, Thomas L. (See Loe and Mitchell.)

Alphabetical list of patentees—Continued.

- Mitchell, Thomas W., Buffalo, and R. A. Jones, East Aurora, assignors to Barber Pump Co., Buffalo, N. Y. Lubricator. No. 1,060,692; May 6; Gaz. vol. 190; p. 44.
- Mitchell, Walter M. (See Littlejohn and Mitchell.)
- Mitchell, William A., Sedalia, Mo. Freight-car ladder. No. 1,061,100; May 6; Gaz. vol. 190; p. 185.
- Mitchell, William J., and M. W. Atkins, Ridgeway, Va. Headlight for automobiles. No. 1,062,842; May 27; Gaz. vol. 190; p. 888.
- Mitchell, William W., and H. W. Cotter, Canton, N. C. Fire-alarm. No. 1,081,855; Dec. 16; Gaz. vol. 197; p. 729.
- Mitchem, Charles E., Chicago, Ill. Remnant-tag. No. 1,079,425; Nov. 25; Gaz. vol. 196; p. 845.
- Mitrovitch, Milan S., Gaston, Cal. Envelop. No. 1,051,345; Jan. 21; Gaz. vol. 186; p. 760.
- Mitschler, Eugene, New York, N. Y. Dough-shaping implement. No. 1,076,509; Oct. 21; Gaz. vol. 195; p. 717.
- Mittasch, Alwin. (See Bosch and Mittasch.)
- Mittasch, Alwin. (See Bosch, Mittasch, and Hecht.)
- Mittasch, Alwin. (See Bosch, Mittasch, Wolf, and Stern.)
- Mittendorf, William R., Dayton, Ohio. Dispensing-machine. No. 1,068,153; July 22; Gaz. vol. 192; p. 870.
- Mittinger, George E., Jr., assignor of fifteen-sixteenths to The Petroleum Iron Works Company, Sharon, Pa. Metal bung. No. 1,062,601; May 27; Gaz. vol. 190; p. 809.
- Mittler, Arthur J., Wellston, assignor of one-half to J. G. Mittler, St. Louis, Mo. Collapsible receptacle. No. 1,062,656; May 27; Gaz. vol. 190; p. 828.
- Mittler, Julius G. (See Mittler, Arthur J., assignor.)
- Mitts & Merrill. (See Frederick, Tilghman G., assignor.)
- Mix, Allen H., assignor of one-half to P. R. Howard, Norfolk, Va., and one-half to W. C. Biddle, New York, N. Y. Window-screen. No. 1,066,834; July 8; Gaz. vol. 192; p. 352.
- Mix, George W., Batavia, N. Y. Feeding device. No. 1,071,941; Sept. 2; Gaz. vol. 194; p. 94.
- Mixer, John H., Shale, Cal. Valve-seat. No. 1,074,191; Sept. 30; Gaz. vol. 194; p. 987.
- Miyake, Tomokichi, Los Angeles, Cal. Life-saving device. No. 1,067,364; July 15; Gaz. vol. 192; p. 570.
- Moak, Herbert W., Oneonta, N. Y. Wrench. No. 1,064,361; June 10; Gaz. vol. 191; p. 441.
- Moats, Ortus E. (See Morenus, Beatty, and Moats.)
- Mobberly, Ora, Corbin, Ky. Brake for mine-cars. No. 1,067,050; July 8; Gaz. vol. 192; p. 425.
- Moberg, Alec T. (See Olander, Arvid, assignor.)
- Moberg, Oscar, and J. F. Lamb, assignors to Landers, Frary & Clark, New Britain, Conn. Bath-room fixture. No. 1,059,554; Apr. 22; Gaz. vol. 189; p. 862.
- Mobley, Charles F., Birmingham, Ala. Metallic railway-tie. No. 1,056,201; Mar. 18; Gaz. vol. 188; p. 591.
- Mochida, Suekichi, Upland, Cal. Smokeless orchard-heater. No. 1,071,942; Sept. 2; Gaz. vol. 194; p. 94.
- Mock, Michael, assignor of one-half to D. B. Saffold, Beeville, Tex. Door-hanger. No. 1,065,164; June 17; Gaz. vol. 191; p. 744.
- Mock, Nate, Berlin, Germany. Type-setting machine. No. 1,052,742; Feb. 11; Gaz. vol. 187; p. 337.
- Mocydlarz, Tomas, Strathcona, Alberta, Canada. Envelop-moistening device. No. 1,077,201; Oct. 28; Gaz. vol. 195; p. 1008.
- Model Pattern Company. (See Laub, George M., assignor.)
- Modern Electric Appliance Company. (See Brodton, Edward R., assignor.)
- Modern Gin and Compress Company. (See Babbitt, Harry A., assignor.)
- Modern Manufacturing Company, The. (See Sweet, Homer E., assignor.) (Reissue.)
- Modern Pen Company. (See Chapman, William L., assignor.)
- Modern Safety Gas Iron Company. (See Brewer, Horace L., assignor.)
- Modern Tool Company. (See Jackson, Byron D., assignor.)
- Modern Tool Company. (See Trefethen, Charles G., assignor.)
- Modler, Johann, Schweinfurt, Germany. Ball-bearing. No. 1,078,940; Nov. 18; Gaz. vol. 196; p. 648.
- Moe, Carl L., Porter, Wash. Cattle-guard. No. 1,052,265; Feb. 4; Gaz. vol. 187; p. 145.
- Moe, Sivert, Chicago, Ill. Ironing-machine. No. 1,063,573; June 3; Gaz. vol. 191; p. 137.
- Moeller, Albert L., Mishicot, Wis. Igniting mechanism for internal-combustion engines. No. 1,069,561; Aug. 5; Gaz. vol. 193; p. 163.
- Moeller, Albert L., Mishicot, Wis. Spark-controller for explosive-engines. No. 1,075,847; Oct. 14; Gaz. vol. 195; p. 460.
- Moeller, Lawrence, Maquoketa, Iowa. Chimney-cleaner. No. 1,081,280; Dec. 9; Gaz. vol. 197; p. 499.
- Moenus Machine Company. (See Crain, Rudolf E., assignor.)
- Moessner, Otto, Philadelphia, Pa. Electric switch and outlet box. No. 1,057,258; Mar. 25; Gaz. vol. 188; p. 984.
- Moest, Martin, and R. M. von Berneck, assignors to Farbwerke vorm. Meister Lucius & Brüning, Höchst-on-the-Main, Germany. Manufacture of nitric acid. No. 1,049,754; Jan. 7; Gaz. vol. 186; p. 148.
- Moest, Martin, R. M. von Berneck, Höchst-on-the-Main, and J. Opl. Lorschach, assignors to Farbwerke vorm. Meister Lucius & Brüning, Höchst-on-the-Main, Germany. Manufacturing concentrated nitric acid. No. 1,050,160; Jan. 14; Gaz. vol. 186; p. 319.
- Moffat, William C. (See Barton and Moffat.)
- Moffat, William Y., Dunmore, assignor of one-fourth to A. F. Trimble, Scranton, Pa. Slack-adjuster. No. 1,060,481; Apr. 29; Gaz. vol. 189; p. 1217.
- Moffat, William Y., Dunmore, assignor of one-fourth to A. F. Trimble, Scranton, Pa. Slack-adjuster. No. 1,060,482; Apr. 29; Gaz. vol. 189; p. 1218.
- Moffatt, Ansil, assignor to W. N. Gates, Indianapolis, Ind. Making dye. No. 1,066,641; July 8; Gaz. vol. 192; p. 287.
- Moffatt, James R., assignor to Union Special Machine Company, Chicago, Ill. Throat-plate for sewing-machines. No. 1,064,518; June 10; Gaz. vol. 191; p. 496.
- Moffatt, James R., assignor to Union Special Machine Company, Chicago, Ill. Sewing-machine. No. 1,076,991; Oct. 28; Gaz. vol. 195; p. 941.
- Moffatt, James R., assignor to Union Special Machine Company, Chicago, Ill. Sewing and trimming machine. No. 1,082,281; Dec. 23; Gaz. vol. 197; p. 903.
- Moffatt, James R., and R. S. Kelso, assignors to Union Special Machine Company, Chicago, Ill. Thread-controlling device for sewing-machines. No. 1,071,451; Aug. 26; Gaz. vol. 193; p. 908.
- Moffet, William G., assignor of one-half to J. W. Nichols, Chicago, Ill. Can-testing machine. No. 1,059,381; Apr. 22; Gaz. vol. 189; p. 802.
- Moffett, William A., and R. P. Perkins, San Francisco, Cal. Occulting device for lights. No. 1,077,202; Oct. 28; Gaz. vol. 195; p. 1008.
- Moffitt, Daniel W., Malden, Mass. Abrading-machine. No. 1,056,437; Mar. 18; Gaz. vol. 188; p. 671.
- Mögling, Paul, assignor to Badische Maschinenfabrik & Eisengiesserei vormals G. Sebold und Sebold & Neff, Durlach, Germany. Dipping device for match-machines. No. 1,054,595; Feb. 25; Gaz. vol. 187; p. 1052.
- Mögling, Paul, assignor to Badische Maschinenfabrik & Eisengiesserei vormals G. Sebold und Sebold & Neff, Durlach, Germany. Dipping device for match-machines. No. 1,060,008; Apr. 29; Gaz. vol. 189; p. 1054.
- Mogni, Charles M., New York, N. Y. Drier for photographic plates. No. 1,071,943; Sept. 2; Gaz. vol. 194; p. 94.
- Mogstad, Lars P. (See Melhouse and Mogstad.)
- Mohl, Charles G., Cadillac, Mich. Combined hose-nozzle and lawn-sprinkler. No. 1,081,688; Dec. 16; Gaz. vol. 197; p. 670.
- Mohler, Adolph. (See Thelon, Frank A., assignor.)
- Mohlin, Nils, Chicago, Ill. Perpetual calendar. No. 1,066,642; July 8; Gaz. vol. 192; p. 287.
- Mohn, John. (See Bunting and Mohn.)
- Mohr, Benjamin F., Mifflinburg, Pa. Tufting-machine. No. 1,052,503; Feb. 11; Gaz. vol. 187; p. 258.
- Mohr, Charles B., New York, N. Y. Reversible-sign structure. No. 1,081,397; Dec. 16; Gaz. vol. 197; p. 576.
- Mohr, Frank J., assignor to Stuber & Kuck, Peoria, Ill. Sifter. No. 1,055,484; Mar. 11; Gaz. vol. 188; p. 316.
- Mohr, George J., Victor, Iowa. Combination-tool. No. 1,058,453; Apr. 8; Gaz. vol. 189; p. 409.
- Mohr, Julius, Milwaukee, Wis. Extension-table. No. 1,056,569; Mar. 18; Gaz. vol. 188; p. 718.
- Mohr, Julius, Milwaukee, Wis. Extension-table. No. 1,056,763; Mar. 18; Gaz. vol. 188; p. 786.
- Mohr, Normand W., San Francisco, Cal. Combined aeroplane and dirigible balloon. No. 1,064,240; June 10; Gaz. vol. 191; p. 401.
- Mohr, Otto H., San Francisco, Cal. Preserving apparatus. No. 1,073,276; Sept. 16; Gaz. vol. 194; p. 623.
- Mohr, Otto H., Kentfield, Cal., assignor to Mohrlite Company. Lighting-fixture. No. 1,075,370; Oct. 14; Gaz. vol. 195; p. 297.
- Mohrenwitz, Ludwig, Schweinfurt, Germany. Heating apparatus for tableware, such as plates, dishes, or the like. No. 1,049,385; Jan. 7; Gaz. vol. 186; p. 23.
- Mohrlite Company. (See Mohr, Otto H., assignor.)
- Mohs, Julius, Dessau, Germany. Crushing and grinding mill. No. 1,063,463; June 3; Gaz. vol. 191; p. 99.
- Mohun, John L. (See Martin and Mohun.)
- Mohun, John L., Brooklyn, N. Y. Flexible metallic car-roof. No. 1,069,562; Aug. 5; Gaz. vol. 193; p. 163.
- Mohun, John L., Brooklyn, N. Y. Car-roof. No. 1,069,563; Aug. 5; Gaz. vol. 193; p. 164.
- Mohun, John L., Brooklyn, N. Y. Flexible metallic car-roof. No. 1,069,564; Aug. 5; Gaz. vol. 193; p. 164.
- Mohun, John L., Brooklyn, N. Y. Car-roof construction. No. 1,069,565; Aug. 5; Gaz. vol. 193; p. 164.
- Mohun, John L., Brooklyn, N. Y. Running-board saddle. No. 1,070,714; Aug. 19; Gaz. vol. 193; p. 629.
- Mohun, John L., Brooklyn, N. Y. Car-roof construction. No. 1,077,631; Nov. 4; Gaz. vol. 196; p. 134.
- Mohun, John L., Brooklyn, N. Y. Car-roof. No. 1,077,632; Nov. 4; Gaz. vol. 196; p. 134.

Alphabetical list of patentees—Continued.

- Mohun, John L., Brooklyn, N. Y. Car-roof construction. No. 1,077,633; Nov. 4; Gaz. vol. 196; p. 135.
- Moine, Selest E., Tulia, Tex. Camera attachment. No. 1,062,247; May 20; Gaz. vol. 190; p. 651.
- Moise, Harmon D., Sumter, S. C. Flush-tank. No. 1,078,796; Nov. 18; Gaz. vol. 196; p. 600.
- Moise, Harmon D., Sumter, S. C. Flushing apparatus. No. 1,078,797; Nov. 18; Gaz. vol. 196; p. 601.
- Moist, David B., and C. W. Young, Harrisburg, Pa. System of electrical distribution. No. 1,054,133; Feb. 25; Gaz. vol. 187; p. 894.
- Mokeler, Nellie J. (See Williamson, John, assignor.)
- Mokry, Daniel, Camden, Ohio. Forge. No. 1,069,802; Aug. 12; Gaz. vol. 193; p. 275.
- Mold, Albert W. (See Mold, Julius F. and A. W.)
- Mold, Julius F. and A. W. Sunrise, Minn. Screening-machine. No. 1,080,072; Dec. 2; Gaz. vol. 197; p. 54.
- Moldenhauer, Gustav C. (See Mandel and Moldenhauer.)
- Molenaar, William, Paterson, N. J. Bill-file. No. 1,078,452; Nov. 11; Gaz. vol. 196; p. 449.
- Moler, William R., Vernon, Nev. Book-holder. No. 1,057,869; Apr. 1; Gaz. vol. 189; p. 163.
- Molina, Edward C. (See Blauvelt and Molina.)
- Molina, Edward C. (See Fay and Molina.)
- Molinari, Umberto, and E. Valoppi, Scranton, Pa. Clothes-drier. No. 1,055,938; Mar. 11; Gaz. vol. 188; p. 467.
- Moline Plow Company. (See Cronander, Carl J., assignor.)
- Moline Plow Company. (See Lindgren, Alexis C., assignor.)
- Moline Plow Company. (See Lindgren and Smith, assignors.)
- Moline Plow Company. (See Mandt and Vingum, assignors.)
- Moline Plow Company. (See Smith, Orbin F., assignor.)
- Molitor, Martin J., assignor of one-half to M. Britz, Zions, Minn. Bow-rest for automobile-tops. No. 1,055,285; Mar. 4; Gaz. vol. 188; p. 209.
- Molitor, Michael, Calvary, Wis. Check-row seeder. No. 1,070,510; Aug. 19; Gaz. vol. 193; p. 561.
- Molkenthin, Herman E. E., Coeur d'Alene, Idaho, assignor of one-half to W. B. Monti, La Crosse, Wis. Combination agricultural implement. No. 1,080,842; Dec. 9; Gaz. vol. 197; p. 355.
- Mollart, Lobegott, assignor to G. B. Lewis Company, Watertown, Wis. Box-fastener. No. 1,063,278; June 3; Gaz. vol. 190; p. 37.
- Molle, John E., Wausau, Wis. Line-spacing mechanism for type-writers. No. 1,081,459; Dec. 16; Gaz. vol. 197; p. 597.
- Molle, John E., Sturgeon Bay, Wis. Type-writer. No. 1,082,038; Dec. 23; Gaz. vol. 197; p. 819.
- Mollenauer, Ernest P., Canonsburg, Pa. Boat-propelling device. No. 1,049,755; Jan. 7; Gaz. vol. 186; p. 148.
- Mollenhauer, August, Spokane, Wash. Trap-door. No. 1,055,939; Mar. 11; Gaz. vol. 188; p. 467.
- Möllenhoff, Carl, Leverkusen, near Cologne, assignor to Farbenfabriken vorm. Friedr. Bayer & Co., Elberfeld, Germany. Dyeing and printing. No. 1,081,621; Dec. 16; Gaz. vol. 197; p. 649.
- Moller, Edward M., Jersey City, N. J. Wheel-changing apparatus. No. 1,058,251; Apr. 8; Gaz. vol. 189; p. 337.
- Moller, Edward M., Jersey City, N. J. Door or gate operating mechanism for the platforms of cars. No. 1,079,713; Nov. 25; Gaz. vol. 196; p. 944.
- Moller, Feder T., San Diego, Cal. Street-sprinkling apparatus. No. 1,071,944; Sept. 2; Gaz. vol. 194; p. 94.
- Molley, Charles F. (See Moore, Alfred H., assignor.)
- Mollitor, Joseph A., Chicago, Ill. Cushion-tire. No. 1,081,765; Dec. 16; Gaz. vol. 197; p. 698.
- Mollon, Pierre, Père, Bussière, Loire, and B. Thimonier, St. Simeon de Breseux, Isère, France. Heddle mechanism. No. 1,067,538; July 15; Gaz. vol. 192; p. 629.
- Molloy, James F., deceased, West Haven, Conn.; T. F. and L. Molloy, administrators. Buckle. No. 1,055,067; Mar. 4; Gaz. vol. 188; p. 141.
- Molloy, James F., deceased, West Haven, Conn.; T. F. and L. Molloy, administrators. Buckle. No. 1,060,351; Apr. 29; Gaz. vol. 189; p. 1173.
- Molloy, Lillian, *et al.*, administrators. (See Molloy, James F.)
- Molloy, Thomas F., *et al.*, administrators. (See Molloy, James F.)
- Molloy, Thomas F., West Haven, Conn. Buckle. No. 1,052,083; Feb. 4; Gaz. vol. 187; p. 83.
- Molnár, Antal. (See Frommer and Molnár.)
- Molt, William, Spalding, Nebr. Stamp-canceling device. No. 1,061,862; May 13; Gaz. vol. 190; p. 477.
- Moltz, John W., Watertown, Pa. Brick-machine. No. 1,074,638; Oct. 7; Gaz. vol. 195; p. 18.
- Molvig, Ludvig E., Fredrikshald, Norway. Permutation-lock. No. 1,054,596; Feb. 25; Gaz. vol. 187; p. 1053.
- Molyneux Mailing Machine Company. (See Poler, John W., assignor.)
- Molyneux Mailing Machines Company. (See Liljeros, Carl O., assignor.)
- Momo, Domenico, Saluggia, Italy. Combined window-railling and fire-ladder. No. 1,072,024; Sept. 2; Gaz. vol. 194; p. 122.
- Monaghan, Edward H., Richmond, Cal. Drill-chuck. No. 1,068,263; July 22; Gaz. vol. 192; p. 910.
- Monahan, F. J., *et al.* (See Philbin and Monahan, assignors.)
- Monahan, Francis A., London, England. Dress form or stand. No. 1,073,157; Sept. 16; Gaz. vol. 194; p. 580.
- Monahan, Louis J., Oshkosh, Wis. Chopping-machine. No. 1,058,080; Apr. 8; Gaz. vol. 189; p. 279.
- Monahan, William M. (See Philbin and Monahan.)
- Monarch Metal Weather Strip Company. (See Lane, Alfred M., assignor.)
- Monarch Metal Weather Strip Company. (See Pierce, John D., assignor.)
- Monarch Steam Blower Company. (See Bradley, William J., assignor.)
- Monarch Storage Battery Company. (See Stern, Philip K., assignor.)
- Monarch Typewriter Company, The. (See Gale, Walter L., assignor.)
- Monarch Typewriter Company, The. (See Josleyn, Hubbard N., assignor.)
- Monarch Typewriter Company, The. (See Merritt, Henry W., assignor.)
- Monarch Typewriter Company, The. (See Purdy, John, assignor.)
- Monarch Typewriter Company, The. (See Steele, Herbert H., assignor.)
- Monat, Archie H. (See Dupont, Arthur J., assignor.)
- Monberg, Soren C., Leadville, Colo. Cutting-tool. No. 1,060,929; May 6; Gaz. vol. 190; p. 127.
- Monberg, Soren C., Leadville, Colo. Charge-receiving truck. No. 1,062,492; May 20; Gaz. vol. 190; p. 731.
- Monell, Ira F., Boulder, Colo. Pulp-classifier. No. 1,058,252; Apr. 8; Gaz. vol. 189; p. 338.
- Monell, Ira F., Boulder, Colo. Slime-dewatering gravity device. No. 1,074,192; Sept. 30; Gaz. vol. 194; p. 987.
- Monouse, Alphonse F., New Rochelle, N. Y. Faucet. No. 1,049,898; Jan. 7; Gaz. vol. 186; p. 196.
- Money, Frank A. S., Haywood, N. C. Whirligig. No. 1,051,966; Feb. 4; Gaz. vol. 187; p. 42.
- Money, George J., London, England. Fastening device or latch for doors, windows, or the like. No. 1,059,555; Apr. 22; Gaz. vol. 189; p. 862.
- Money, George J., Mile End, London, England. Spring-hinge. No. 1,071,256; Aug. 26; Gaz. vol. 193; p. 842.
- Monfils, Napoleon A., Haverhill, Mass. Counter-buffing machine. No. 1,072,868; Sept. 9; Gaz. vol. 194; p. 441.
- Monfredini, Calisto J., Boston, Mass. Pneumatic action for musical instruments. No. 1,078,688; Nov. 18; Gaz. vol. 196; p. 561.
- Monich, Alex, New Britain, Conn. Curtain-supporter. No. 1,072,144; Sept. 2; Gaz. vol. 194; p. 163.
- Monier-Williams, Bernard T., Islington, London, England. Device for the prevention and correction of protruding ears. No. 1,050,744; Jan. 14; Gaz. vol. 186; p. 518.
- Monitor Drill Company. (See Beeman and Brennan, assignors.)
- Monitor Drill Company. (See Brennan, Thomas J., assignor.)
- Monitor Drill Company. (See Rieske, Otto G., assignor.)
- Monitor Manufacturing Company. (See Holmes and Whittingham, assignors.)
- Monitor Manufacturing Company of Baltimore City. (See Whittingham, George H., assignor.)
- Monk, Charles V., Philadelphia, Pa. Portable developing-cabinet. No. 1,050,843; Jan. 21; Gaz. vol. 186; p. 588.
- Monk, William B., assignor to Firm of G. Hattersley and Sons, Limited, Keighley, England. Warp stop mechanism for looms. No. 1,061,553; May 13; Gaz. vol. 190; p. 377.
- Monnet, Georges H. J., Stolberg, Germany, assignor to Société Anonyme des Manufactures des Glaces et Produits Chimiques de Saint Gobain, Chauny et Ciry, Paris, France. Apparatus for classification of fine powders. No. 1,057,870; Apr. 1; Gaz. vol. 189; p. 163.
- Monnier, Ernest, *et al.* (See Sellar, John A. E., assignor.)
- Monnot, John F., Paris, France. Electric heater. No. 1,058,380; Apr. 8; Gaz. vol. 189; p. 384.
- Monnot, John F., Paris, France. Radiator. No. 1,064,849; June 17; Gaz. vol. 191; p. 643.
- Monnot, John F., Paris, France. Radiator. No. 1,064,924; June 17; Gaz. vol. 191; p. 665.
- Monnot, John F., assignor to Duplex Metals Company, New York, N. Y. Ship plate and hull. No. 1,060,930; May 6; Gaz. vol. 190; p. 127.
- Monnot, John F., assignor to Duplex Metals Company, New York, N. Y. Hollow compound metal article. No. 1,063,574; June 3; Gaz. vol. 191; p. 137.
- Mono Situ Concrete Company. (See Clark, George, assignor.)
- Monosmith, Olney B., Lorain, Ohio. Carbureter. No. 1,080,118; Dec. 2; Gaz. vol. 197; p. 70.
- Monroe Calculating Machine Company. (See Baldwin, Frank S., assignor.)
- Monroe, Frank A., Jr., and N. A. Helmer, assignors to The Dyer Company, Cleveland, Ohio. Cane-grinding mill. No. 1,064,362; June 10; Gaz. vol. 191; p. 441.
- Monroe, Fred R., Middletown, N. Y., assignor of one-half to J. D. Haggerty, Sussex, N. J. Milk-retarding apparatus. No. 1,082,206; Dec. 23; Gaz. vol. 197; p. 875.

Alphabetical list of patentees—Continued.

- Monroe, Will K., assignor to The Brown Hoisting Machinery Company, Cleveland, Ohio. Means for locking traveling cranes. No. 1,064,519; June 10; Gaz. vol. 191; p. 496.
- Monroe, William L., Denver, Colo. Forage-granulating machine. No. 1,061,920; May 13; Gaz. vol. 190; p. 496.
- Monseur, Henri, Angleur-lez-Liege, Belgium. Preserving organic materials. No. 1,057,076; Mar. 25; Gaz. vol. 188; p. 921.
- Monson, George M., Ambrose, N. D. Sliding-door fastener. No. 1,078,941; Nov. 18; Gaz. vol. 196; p. 648.
- Montague Mailing Machinery Co. (See Lee, Ulysses G., assignor.)
- Montague, William E., trustee. (See Pillsbury, John F., assignor.)
- Montanus, Paul A., and A. W. Grant, assignors to Gramont Traction Plow Company, Springfield, Ohio. Plow. No. 1,051,346; Jan. 21; Gaz. vol. 186; p. 760.
- Montanus, Paul A., and A. W. Grant, assignors to Gramont Traction Plow Company, Springfield, Ohio. Plow-frame. No. 1,070,907; Aug. 19; Gaz. vol. 193; p. 691.
- Montaperto, Orlando E., Rosebank, N. Y. Non-refillable bottle. No. 1,052,685; Feb. 11; Gaz. vol. 187; p. 319.
- Montocol, Joseph. (See Surmont and Montocol.)
- Montfort, Glenn H., and A. L. Beauchaine, Chattanooga, Tenn. Non-refillable bottle. No. 1,076,510; Oct. 21; Gaz. vol. 195; p. 717.
- Montgomerie, James C., Twickenham, England. Portfolio. No. 1,058,081; Apr. 8; Gaz. vol. 189; p. 279.
- Montgomery, Albert U., Hattiesburg, Miss. Line-protector. No. 1,067,436; July 15; Gaz. vol. 192; p. 595.
- Montgomery, Archibald, New York, N. Y. Collar. No. 1,057,259; Mar. 25; Gaz. vol. 188; p. 985.
- Montgomery, Charles A., Council Grove, Kans. Rein-holder. No. 1,050,374; Jan. 14; Gaz. vol. 186; p. 393.
- Montgomery, Hugh, Milo Junction, Me., assignor to Railway Appliances Company, Chicago, Ill. Snow-flanger. No. 1,057,574; Apr. 1; Gaz. vol. 189; p. 61.
- Montgomery, John D., *et al.* (See Fischman, Max, assignor.)
- Montgomery, John F., assignor to The John Wildi Evaporated Milk Co., Columbus, Ohio. Can. No. 1,079,572; Nov. 25; Gaz. vol. 196; p. 896.
- Montgomery, Keith, Jacksonville, Ill. Device for displaying dry goods. No. 1,068,914; July 29; Gaz. vol. 192; p. 1175.
- Montgomery, L. H. (See Draughon, William, assignor.)
- Montgomery, Mary W., New York, N. Y. Beverage-producing material. No. 1,056,111; Mar. 18; Gaz. vol. 188; p. 561.
- Montgomery, Nicholas W., Gloucester, Mass. Under-water exhaust for explosive and other engines. No. 1,065,707; June 24; Gaz. vol. 191; p. 966.
- Montgomery, Phineas J., Santa Monica, Cal. Duplex ventilating hot-air cabinet-furnace. No. 1,051,432; Jan. 28; Gaz. vol. 186; p. 823.
- Montgomery, Renord K., Turtle Creek, Pa. Figure toy. No. 1,056,570; Mar. 18; Gaz. vol. 188; p. 719.
- Montgomery, Robert J., Chicago, Ill. Brush. No. 1,063,279; June 3; Gaz. vol. 191; p. 38.
- Montgomery, Thomas, and A. Lochok, Vancouver, British Columbia, Canada. Oxyacetylene-torch. No. 1,069,455; Aug. 5; Gaz. vol. 193; p. 129.
- Montgomery, Walter L., Chicago, Ill. Automatic device for receiving and discharging cartons. No. 1,077,092; Oct. 28; Gaz. vol. 195; p. 975.
- Monti, Eudo, Turin, Italy. Apparatus for concentrating solutions. No. 1,065,829; June 24; Gaz. vol. 191; p. 1007.
- Monti, William B. (See Molkenhuth, Herman E. E., assignor.)
- Monthlor, Jacinto P., New York, N. Y. Shoe and slipper. No. 1,051,615; Jan. 28; Gaz. vol. 186; p. 886.
- Montreuil, Alfred. (See Melliush and Montreuil.)
- Montross, Frederick L. (See Montross, Levi H. and F. L.)
- Montross, Levi H., Camden, N. J. Burial-casket. No. 1,059,747; Apr. 22; Gaz. vol. 189; p. 924.
- Montross, Levi H. and F. L., Camden, N. J. Burial-casket. No. 1,063,718; June 3; Gaz. vol. 191; p. 191.
- Moodie, John, Vancouver, British Columbia, Canada. Metal railway-tie. No. 1,066,134; July 1; Gaz. vol. 192; p. 81.
- Moody, Henry T., assignor to Victor Manufacturing Company, Newburyport, Mass. Door or shutter. No. 1,052,610; Feb. 11; Gaz. vol. 187; p. 294.
- Moody, Henry T., assignor to Victor Manufacturing Company, Newburyport, Mass. Door or shutter. No. 1,052,611; Feb. 11; Gaz. vol. 187; p. 295.
- Moody, Jason B., Dallas, Tex. Interest-calculator. No. 1,060,997; May 6; Gaz. vol. 190; p. 152.
- Moody, John B., Belmore, Fla. Table for steamships. No. 1,053,851; Feb. 18; Gaz. vol. 187; p. 761.
- Moody, Joseph E., Stamford, Tex. Cultivator attachment. No. 1,074,729; Oct. 7; Gaz. vol. 195; p. 49.
- Moody, Luke C. (See Munson, Charles A., assignor.)
- Moody, Walter S., Pittsfield, Mass., assignor to General Electric Company. Transformer. No. 1,057,077; Mar. 25; Gaz. vol. 188; p. 921.
- Moomaw, Henry E., Chattanooga, Tenn. Sheet-metal roofing-plate. No. 1,072,025; Sept. 2; Gaz. vol. 194; p. 122.
- Moomy, Joseph G., Erie, Pa. Patch for rubber articles. No. 1,068,691; July 29; Gaz. vol. 192; p. 1095.
- Moon, Adam B., Mercer, Pa. Window-ventilator. No. 1,078,453; Nov. 11; Gaz. vol. 196; p. 450.
- Moon, Arch, Fallon, Nev. Cushion-wheel. No. 1,053,852; Feb. 18; Gaz. vol. 187; p. 762.
- Moon, Charles L., and J. Odell, assignors to Joplin Novelty Manufacturing Company, Joplin, Mo. Printing-machine. No. 1,074,004; Sept. 23; Gaz. vol. 194; p. 896.
- Moon, Clarence W., and I. Moore, Minneapolis, Minn. Hot-water heater. No. 1,073,616; Sept. 23; Gaz. vol. 194; p. 761.
- Moon, Harold M., Arkansas City, Kans. Motor-plow. No. 1,059,897; Apr. 22; Gaz. vol. 189; p. 971.
- Moon, Herman, assignor of one-half to W. M. Dight, Grove City, Pa. Wrench. No. 1,075,434; Oct. 14; Gaz. vol. 195; p. 319.
- Moon, Herman, and J. M. Reynolds, Grove City, Pa. Friction reversing mechanism. No. 1,072,145; Sept. 2; Gaz. vol. 194; p. 163.
- Moon-Hopkins Billing Machine Company. (See Harvey, Joseph C., assignor.)
- Moon-Hopkins Billing Machine Company. (See Hopkins, Hubert, assignor.)
- Moon-Hopkins Billing Machine Company. (See Hopkins, William W., assignor.)
- Moon, Sampson W., Chicago, Ill. Electric safety-razor. No. 1,072,634; Sept. 9; Gaz. vol. 194; p. 357.
- Moon, Thomas E., assignor of one-half to F. Gallaber, Sabina, Ohio. Door-supporting clamp. No. 1,054,019; Feb. 25; Gaz. vol. 187; p. 856.
- Moon, Walter S., Cannell, Wash. Subsoil-packer. No. 1,071,075; Aug. 26; Gaz. vol. 193; p. 782.
- Moon, Wesley J., Economy, Pa. Pipe-straightener. No. 1,071,945; Sept. 2; Gaz. vol. 194; p. 95.
- Mooney, Frank H., assignor of one-half to F. S. Crane, Chicago, Ill. Cuff-link. No. 1,068,519; July 29; Gaz. vol. 192; p. 1035.
- Mooney, Jacob A. (See Gilbert, Franklin P., assignor.)
- Mooney, James B., Coldwater, Kans. Drenching-bottle. No. 1,077,541; Nov. 4; Gaz. vol. 196; p. 106.
- Mooney, Lawrence C., Montgomery, Ala. Exhaust-nozzle. No. 1,062,724; May 27; Gaz. vol. 190; p. 849.
- Mooney, Lawrence C., Montgomery, Ala. Cross-tie for railways. No. 1,076,690; Oct. 28; Gaz. vol. 195; p. 835.
- Mooney, Lawrence C., Montgomery, Ala. Exhaust-nozzle. No. 1,082,701; Dec. 30; Gaz. vol. 197; p. 1081.
- Mooney, Thomas, Douglaston, N. Y. Liquid door-check. No. 1,067,618; July 15; Gaz. vol. 192; p. 656.
- Mooney, William, *et al.* (See Seessle, Charles, assignor.)
- Mooney, William A., Nashville, Tenn. Track-sanding device. No. 1,060,931; May 6; Gaz. vol. 190; p. 127.
- Moor, Edward N., Oakland, Cal. Traverse grinding, milling, and drilling machine for lathes. No. 1,073,698; Sept. 23; Gaz. vol. 194; p. 793.
- Moore, Albert R., Parks, Nebr. Rail-joint. No. 1,066,306; July 1; Gaz. vol. 192; p. 144.
- Moore, Alfred H., assignor of one-half to C. F. Molley, New York, N. Y. Making railway-rails. No. 1,074,089; Sept. 23; Gaz. vol. 194; p. 924.
- Moore Architectural and Engineering Company, The. (See Heller, Charles S., assignor.) (Reissue.)
- Moore, Arthur H. (See Begg and Moore.)
- Moore, Arthur L., Springfield, Mass. Chain pipe-wrench. No. 1,054,708; Mar. 4; Gaz. vol. 188; p. 18.
- Moore Auto Skid Preventer Company, The. (See Moore, Robert A., assignor.)
- Moore Brothers Company. (See Moore, Lewis, assignor.)
- Moore, Calvin, New Providence, Iowa. Gate-latch. No. 1,062,110; May 20; Gaz. vol. 190; p. 604.
- Moore, Carrie L., administratrix. (See Moore, Charles H.)
- Moore Carving Machine Company. (See Zolle, Edward A., assignor.)
- Moore, Charles, Farmersville, Pa. Car-fender. No. 1,053,853; Feb. 18; Gaz. vol. 187; p. 762.
- Moore, Charles B., Evanston, Ill., assignor, by mesne assignments, to American Arch Company, New York, N. Y. Refractory brick arch for locomotive-boiler furnaces. No. 1,063,575; June 3; Gaz. vol. 191; p. 137.
- Moore, Charles B., Evanston, Ill., assignor, by mesne assignments, to American Arch Company, New York, N. Y. Front arch for locomotive-furnaces. No. 1,069,973; Aug. 12; Gaz. vol. 193; p. 333.
- Moore, Charles B., Evanston, Ill., assignor, by mesne assignments, to American Arch Company, New York, N. Y. Arch for locomotive-furnaces. No. 1,069,974; Aug. 12; Gaz. vol. 193; p. 334.
- Moore, Charles D., South Bend, Wash. Logging-jack. No. 1,051,616; Jan. 28; Gaz. vol. 186; p. 886.
- Moore, Charles H., deceased; C. L. Moore, administratrix, New York, N. Y. Water-closet and water-closet outlet connection. No. 1,060,570; Apr. 29; Gaz. vol. 189; p. 1248.
- Moore, Charles H., deceased; C. L. Moore, administratrix, New York, N. Y. Antiscalding-bath shower-valve. No. 1,066,213; July 1; Gaz. vol. 192; p. 111.

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- Moore, Charles R., *et al.* (See Moore, Otis G., assignor.)
 Moore, Charles R., La Fayette, Ind. Electromotor. No. 1,061,624; May 13; Gaz. vol. 190; p. 401.
 Moore, Charles R., La Fayette, Ind. Timing device. No. 1,078,058; Nov. 11; Gaz. vol. 196; p. 312.
 Moore, Charles S., Danvers, Mass. Milking-pail. No. 1,066,135; July 1; Gaz. vol. 192; p. 82.
 Moore, Chester N., Schenectady, N. Y., assignor to General Electric Company. Terminal for metal-sheathed wire. No. 1,077,734; Nov. 4; Gaz. vol. 196; p. 168.
 Moore, Clair, *et al.* (See Chambers, John A., assignor.)
 Moore, Clarence H., Cincinnati, Ohio. Self-lubricating bearing. No. 1,064,520; June 10; Gaz. vol. 191; p. 497.
 Moore, Clarence M., Mittineague, Mass. Stropper. No. 1,075,665; Oct. 14; Gaz. vol. 195; p. 398.
 Moore, Daniel M., Newark, N. J., assignor to General Electric Company. Mechanical joint for vacuum-tubes. No. 1,063,996; June 10; Gaz. vol. 191; p. 318.
 Moore, David, Perry, Iowa. Dust-trough for blackboards. No. 1,060,352; Apr. 29; Gaz. vol. 189; p. 1173.
 Moore, David P., Washington, D. C. Tag forming and affixing machine. No. 1,049,509; Jan. 7; Gaz. vol. 186; p. 64.
 Moore, David P., South Bend, Ind. Window-screen. No. 1,053,199; Feb. 18; Gaz. vol. 187; p. 540.
 Moore, Edward B., Newark, Ohio. Auxiliary handle for shovels. No. 1,074,889; Oct. 7; Gaz. vol. 195; p. 102.
 Moore, Elisha, Worcester, assignor to G. S. Moore, Fall River, Mass. Spring-hinge. No. 1,063,576; June 3; Gaz. vol. 191; p. 138.
 Moore, Eugene W., Gardena, Cal. Power-transmission apparatus. No. 1,056,351; Mar. 18; Gaz. vol. 188; p. 640.
 Moore, Everett D., Baltimore, Md., assignor to The Sink Overflow Company. Attachment for sinks, stationary wash-tubs, and the like. No. 1,052,363; Feb. 4; Gaz. vol. 187; p. 175.
 Moore, Frank V., assignor to Currier Publishing Company, Chicago, Ill. Delivery feed mechanism for mailing-machines. No. 1,060,276; Apr. 29; Gaz. vol. 189; p. 1145.
 Moore, Frederick J., Brooklyn, assignor of one-half to P. H. Reid, Sheephead Bay, N. Y. Automobile heating device. No. 1,072,635; Sept. 9; Gaz. vol. 194; p. 358.
 Moore, Frederick W., Newark, N. J., assignor to Luxmoor Company, Boston, Mass. Machine for forming designs in fibrous sheets or layers. No. 1,070,511; Aug. 19; Gaz. vol. 193; p. 561.
 Moore, Fredrick J., Provo, Utah. Display device. No. 1,050,974; Jan. 21; Gaz. vol. 186; p. 634.
 Moore, George, Joplin, Mo. Dentifrice and floss dispenser. No. 1,050,560; Jan. 14; Gaz. vol. 186; p. 459.
 Moore, George C., *et al.* (See Mettler, Caspar, assignor.)
 Moore, George C., Worcester, Mass. Elastic fabric. No. 1,082,966; Dec. 30; Gaz. vol. 197; p. 1174.
 Moore, George N., Dumont, N. J., assignor to Rotary Appliances Company, New York, N. Y. Rotary safety-razor. No. 1,068,068; July 22; Gaz. vol. 192; p. 842.
 Moore, George S. (See Moore, John A. and G. S.)
 Moore, George W., Tottenville, N. Y. Stuffing-box. No. 1,056,202; Mar. 18; Gaz. vol. 188; p. 591.
 Moore, Grayson, Weston county, Wyo. Weighing and recording mechanism. No. 1,082,967; Dec. 30; Gaz. vol. 197; p. 1174.
 Moore, Guy S. (See Moore, Elisha, assignor.)
 Moore, Harry W., assignor to R. A. Duff, Nebraska City, Nebr. Explosive-engine. No. 1,061,396; May 13; Gaz. vol. 190; p. 319.
 Moore, Henry E., assignor of one-half to F. Q. Cason, Atlanta, Ga. Door-building device. No. 1,074,639; Oct. 7; Gaz. vol. 195; p. 18.
 Moore, Herbert P., Norwalk, Ohio. Silencer for firearms. No. 1,080,154; Dec. 2; Gaz. vol. 197; p. 83.
 Moore, Hiram, Hancock, Mich. Valve-grinder. No. 1,066,307; July 1; Gaz. vol. 192; p. 144.
 Moore, Irving A., Trenton, N. J. Washbasin. No. 1,056,352; Mar. 18; Gaz. vol. 188; p. 640.
 Moore, Irwin. (See Moon and Moore.)
 Moore, Isham S., Runge, Tex. Sanitary drinking-fountain. No. 1,075,053; Oct. 7; Gaz. vol. 195; p. 160.
 Moore, J. Walter, Fort Edward, N. Y. Vehicle-spring. No. 1,061,310; May 13; Gaz. vol. 190; p. 292.
 Moore, Jacob L., Butler, assignor to Pittsburgh-Hickson Company, East Butler, Pa. Tubular structure. No. 1,061,487; May 13; Gaz. vol. 190; p. 352.
 Moore, Jacob L., and O. J. McKee, Butler, Pa., assignors, by mesne assignments, to Bradley & Vrooman Co., Chicago, Ill. Apparatus for applying bronze, &c., to articles. No. 1,068,915; July 29; Gaz. vol. 192; p. 1175.
 Moore, James, Dayton, Ohio. Adjustable safety-razor. No. 1,058,082; Apr. 8; Gaz. vol. 189; p. 279.
 Moore, James A., Detroit, Mich. Apparatus for controlling aeroplanes. No. 1,078,300; Nov. 11; Gaz. vol. 196; p. 397.
 Moore, James D., North Wilkesboro, N. C. Grinding-mill. No. 1,081,622; Dec. 16; Gaz. vol. 197; p. 649.
 Moore, James L., assignor to Kerr Turbine Company, Wellsville, N. Y. Turbine. No. 1,054,134; Feb. 25; Gaz. vol. 187; p. 894.
 Moore, John, Indianapolis, Ind. Pad for artificial teeth. No. 1,050,561; Jan. 14; Gaz. vol. 186; p. 459.
 Moore, John, Winnipeg, Manitoba, Canada. Calf-feeder. No. 1,062,657; May 27; Gaz. vol. 190; p. 828.
 Moore, John A., Franklin, La. Pea-vine gatherer. No. 1,059,898; Apr. 22; Gaz. vol. 189; p. 972.
 Moore, John A. and G. S., Hope, Ind. Transmission mechanism. No. 1,049,756; Jan. 7; Gaz. vol. 186; p. 148.
 Moore, John E., Nelson, British Columbia, Canada. Life-saving suit. No. 1,066,516; July 8; Gaz. vol. 192; p. 243.
 Moore, John J., South Charleston, Ohio. Atomizer-comb. No. 1,067,051; July 8; Gaz. vol. 192; p. 426.
 Moore, John N., Great Falls, Mont. Wire-fastening device. No. 1,068,916; July 29; Gaz. vol. 192; p. 1176.
 Moore, John N., Great Falls, Mont. Staple. No. 1,072,974; Sept. 9; Gaz. vol. 194; p. 481.
 Moore, Justus J., Springfield, assignor of one-third to W. A. Brewerton, Chicago, and one-third to H. Thomas, Harrisburg, Ill. Bit for mining-machines. No. 1,081,131; Dec. 9; Gaz. vol. 197; p. 448.
 Moore, Justus J., Springfield, assignor of one-fourth to H. Thomas, Harrisburg, one-fourth to W. A. Brewerton, Chicago, Ill., and one-fourth to W. B. May, Clarksburg, W. Va. Bit for mining-machines. No. 1,077,542; Nov. 4; Gaz. vol. 196; p. 106.
 Moore, La Fayette, assignor to L. Moore Dry Kiln Co., Jacksonville, Fla. Treating lumber. No. 1,054,597; Feb. 25; Gaz. vol. 187; p. 1053.
 Moore, Lee C., Pittsburgh, Pa. Coupling for steel towers or derricks. No. 1,082,207; Dec. 23; Gaz. vol. 197; p. 875.
 Moore, Lewis, assignor to Moore Brothers Company, Joliet, Ill. Oven-door. No. 1,066,517; July 8; Gaz. vol. 192; p. 243.
 Moore, Lewis P., Weldon, Ill. Lamp-burner. No. 1,076,511; Oct. 21; Gaz. vol. 195; p. 717.
 Moore, Llewellyn C., assignor of one-fourth to D. Gunning and one-fourth to C. R. Smith, Goldendale, Wash. Circular glass-cutter. No. 1,056,353; Mar. 18; Gaz. vol. 188; p. 640.
 Moore, Martin W., Springfield, Ill. Acetylene-gas lamp. No. 1,070,352; Aug. 12; Gaz. vol. 193; p. 463.
 Moore, Orlando C., Morrow, Ohio. Engine-feed-water regulator. No. 1,050,745; Jan. 14; Gaz. vol. 186; p. 518.
 Moore, Otis G., assignor of one-third to C. L. Clover, Knox, and one-third to C. R. Moore, St. Petersburg, Pa. Derrick. No. 1,079,303; Nov. 18; Gaz. vol. 196; p. 771.
 Moore Patent Car Company. (See Elmer, James P., assignor.)
 Moore, Philip P. See Greenleaf and Moore.)
 Moore, Philip W., Evanston, assignor to The P. & M. Co., Chicago, Ill. Tie-plate. No. 1,052,442; Feb. 4; Gaz. vol. 187; p. 205.
 Moore, Philip W., Evanston, assignor to The P. & M. Co., Chicago, Ill. Guard-rail chair. No. 1,056,707; Mar. 18; Gaz. vol. 188; p. 764.
 Moore, Philip W., Evanston, assignor to The P. & M. Co., Chicago, Ill. Interlocking rail-anchor. No. 1,063,825; June 3; Gaz. vol. 191; p. 226.
 Moore, Philip W., Evanston, assignor to The P. & M. Co., Chicago, Ill. Rail-anchor. No. 1,070,978; Aug. 19; Gaz. vol. 193; p. 714.
 Moore, Quintin, Glasgow, Scotland. Gas-producer. No. 1,065,315; June 17; Gaz. vol. 191; p. 795.
 Moore, Richard B. (See Cameron and Moore.)
 Moore, Richard D., Galesburg, Ill. Railway-rail. No. 1,069,161; Aug. 5; Gaz. vol. 193; p. 24.
 Moore, Robert A., assignor to The Moore Auto Skid Preventer Company, New York, N. Y. Automobile antiskidding device. No. 1,053,200; Feb. 18; Gaz. vol. 187; p. 540.
 Moore, Robert C., Spickard, Mo., assignor of one-half to E. A. Hastings, Bloomfield, Iowa. Wireless corn-planter. No. 1,062,787; May 27; Gaz. vol. 190; p. 869.
 Moore, Roswell A., Waterbury, Conn. Webbing. No. 1,067,830; July 22; Gaz. vol. 192; p. 762.
 Moore-Scott Iron Works. (See Schorr, Robert, assignor.)
 Moore, Simon E., Clarinda, Iowa. Rail-joint. No. 1,055,207; Mar. 4; Gaz. vol. 188; p. 185.
 Moore, Stewart. (See Payne and Moore.)
 Moore, Stillman C. (See Longstaff and Moore.)
 Moore, Theodore V., administrator. (See Moore, Theophilus W.)
 Moore, Theophilus W., deceased, Alachua; T. V. Moore, administrator, Miami, Fla., assignor of one-half to J. M. Horner, Asheville, N. C. Rotary engine. No. 1,078,301; Nov. 11; Gaz. vol. 196; p. 397.
 Moore, Thomas F., Winchester, Ky. Portable hoist. No. 1,081,055; Dec. 9; Gaz. vol. 197; p. 423.
 Moore, Thomas L., San Antonio, Tex. Lantern. No. 1,063,055; May 27; Gaz. vol. 190; p. 958.
 Moore, Tom R. (See Hearing, Edward, assignor.)
 Moore, Walter W., Sioux City, Iowa. Spading-machine. No. 1,062,570; May 20; Gaz. vol. 190; p. 756.
 Moore and White Company, The. (See White, Joseph A., assignor.)
 Moore, William, Irondale, Wash. Combined bevel and square. No. 1,074,969; Oct. 7; Gaz. vol. 195; p. 120.

Alphabetical list of patentees—Continued.

- Moore, William, Kansas City, Mo. Device for handling currency or the like. No. 1,081,766; Dec. 16; Gaz. vol. 197; p. 698.
- Moore, William B., and T. H. Armstrong, Chicago, Ill., assignors, by mesne assignments, to Thomas A. Edison, Incorporated, West Orange, N. J. Moving-picture machine. No. 1,063,207; June 3; Gaz. vol. 191; p. 13.
- Moore, William E., Pittsburgh, Pa. Combined draw-head and car-buffer. No. 1,053,201; Feb. 18; Gaz. vol. 187; p. 540.
- Moore, William F., Charlotte, N. C. Coffin. No. 1,077,421; Nov. 4; Gaz. vol. 196; p. 64.
- Moore, William G. (See Burstall and Moore.)
- Moore, William H., Lincoln, Cal. Rail-joint. No. 1,056,112; Mar. 18; Gaz. vol. 188; p. 561.
- Moore, William J., Pittsfield, assignor of one-half to T. F. Cassidy, Adams, Mass. Horseshoe. No. 1,068,917; July 29; Gaz. vol. 192; p. 1176.
- Moore, William N., Pollard, Ala. Liquid-sealed jar. No. 1,081,856; Dec. 16; Gaz. vol. 197; p. 729.
- Moore, William R., Windber, Pa. Radiator-cover. No. 1,062,986; May 27; Gaz. vol. 190; p. 936.
- Moore, Winfield S., Indianapolis, Ind., assignor of two-thirds to himself and one-third to A. Sanford. Structural member. No. 1,064,363; June 10; Gaz. vol. 191; p. 442.
- Moorehead, Harry B. (See Hull and Moorehead.)
- Moore, William G., assignor of one-half to D. Fricot, Angels Camp, Cal. Pipe-holding tool. No. 1,058,454; Apr. 8; Gaz. vol. 189; p. 409.
- Moorhead, Albert E., San Francisco, Cal., assignor to American Rotary Valve Company, Chicago, Ill. Valve mechanism for pneumatic scrubbing appliances. No. 1,069,628; Aug. 5; Gaz. vol. 193; p. 186.
- Moorhouse, Alfred, assignor to Hudson Motor Car Company, Detroit, Mich. Dust-cap for automobile starting-crank shafts. No. 1,068,804; July 29; Gaz. vol. 192; p. 1136.
- Moorman, Albert S., St. Louis, Mo. Theatrical appliance. No. 1,055,208; Mar. 4; Gaz. vol. 188; p. 185.
- Moors, George F., Cincinnati, Ohio. Rotary engine. No. 1,075,590; Oct. 14; Gaz. vol. 195; p. 372.
- Moral, Julius, Yonkers, N. Y. Bread-cutter. No. 1,051,509; Jan. 28; Gaz. vol. 186; p. 849.
- Moran, Clyde S., Irvine, Alberta, Canada. Safety-stirrup. No. 1,064,979; June 17; Gaz. vol. 191; p. 685.
- Moran, George E., Chicago, Ill. Jackknife post-card. No. 1,063,577; June 3; Gaz. vol. 191; p. 138.
- Moran, Nathaniel B., Fishersville, Va. Fence-stretcher. No. 1,055,940; Mar. 11; Gaz. vol. 188; p. 468.
- Moran, Thomas, and D. Mosher; said Mosher assignor of three-eighths to M. Deidesheimer, San Francisco, Cal., and one-eighth to C. E. Gillette, Philadelphia, Pa. Marine paint. No. 1,072,485; Sept. 9; Gaz. vol. 194; p. 306.
- Moran, Thomas W., *et al.* (See O'Bryan, Gory, assignor.)
- Morancy, Thomas, assignor to C. Ffolliott, St. Paul, Minn. Track-laying machine. No. 1,050,375; Jan. 14; Gaz. vol. 186; p. 393.
- Morand, Charles H., Los Angeles, Cal. Folding drop-step fire-escape. No. 1,069,975; Aug. 12; Gaz. vol. 193; p. 334.
- Morane, Lucien, Paris, France. Artificial-silk-spinning machine. No. 1,069,456; Aug. 5; Gaz. vol. 193; p. 129.
- Morasky, Joseph, Forbes, Colo. Metal tire-protector. No. 1,049,899; Jan. 7; Gaz. vol. 186; p. 197.
- Moravec, John, Detroit, Mich. Grain-door for railway-cars. No. 1,063,997; June 10; Gaz. vol. 191; p. 318.
- Morden, George E., Detroit, and J. L. Chapman, Ann Arbor, Mich. Electric time-switch. No. 1,079,791; Nov. 25; Gaz. vol. 196; p. 975.
- More, Lucius E., St. Louis, Mo. Follower-block for filing-cabinets. No. 1,067,831; July 22; Gaz. vol. 192; p. 762.
- Morehead, James T., New York, N. Y., and J. B. Huffard, Ferris, W. Va., assignors to Electro Metallurgical Company, Chicago, Ill. Treating crude ferrochromium and producing solid ingots. No. 1,057,078; Mar. 25; Gaz. vol. 188; p. 921.
- Morehead, John H., Globe, Ariz. Self-weighing scoop. No. 1,060,483; Apr. 29; Gaz. vol. 189; p. 1218.
- Morehead, John M., assignor to Electro Metallurgical Company, Chicago, Ill. Producing low-carbon ferro-alloys. No. 1,063,280; June 3; Gaz. vol. 191; p. 38.
- Morehead Manufacturing Company. (See Crowley and Fitzgerald, assignors.)
- Morehouse, Cyrus E., Milwaukee, Wis. Perforating-machine for leaves or sheets. No. 1,080,073; Dec. 2; Gaz. vol. 197; p. 54.
- Morehouse, Eugene, assignor to B. A. Ballou & Company, Inc., Providence, R. I. Safety-catch for pins. No. 1,058,192; Apr. 8; Gaz. vol. 189; p. 318.
- Morehouse, Eugene, assignor to B. A. Ballou & Company, Inc., Providence, R. I. Pin. No. 1,071,564; Aug. 26; Gaz. vol. 193; p. 944.
- Morehouse, Melvin W., Brooklyn, N. Y., assignor to Mergenthaler Linotype Company. Line-casting machine. No. 1,077,862; Nov. 4; Gaz. vol. 196; p. 42.
- Morehouse, Walton L., Madera, Mexico. Ore feeder and sampler. No. 1,079,184; Nov. 18; Gaz. vol. 196; p. 735.
- Morehouse, Warren J., Ashtabula, Ohio. Railway-rail joint. No. 1,078,743; Nov. 18; Gaz. vol. 196; p. 580.
- Morel, Marshall E., Sheridan, Ill. Valve structure. No. 1,058,996; Apr. 15; Gaz. vol. 189; p. 634.
- Morel, Marshall E., Sheridan, Ill. Valve structure for internal-combustion engines. No. 1,078,942; Nov. 18; Gaz. vol. 196; p. 648.
- Moreland, Martin L., Chicago, Ill. Extension side-board for vehicles. No. 1,060,353; Apr. 29; Gaz. vol. 189; p. 1173.
- Morell, Alfred F., and A. A. Gordon, Jr., Worcester, Mass. assignors to Crompton & Knowles Loom Works. Filling-thread-cutting mechanism for weft-replenishing looms. No. 1,070,979; Aug. 19; Gaz. vol. 193; p. 714.
- Morell, Allen, Denver, Colo. Can-opener. No. 1,070,980; Aug. 19; Gaz. vol. 193; p. 715.
- Morell, Wilhelm, Leipzig, Germany. Speed-indicator. No. 1,053,202; Feb. 18; Gaz. vol. 187; p. 540.
- Morelock, William H. H., Jonesboro, Ark. Rotary engine. No. 1,056,927; Mar. 25; Gaz. vol. 188; p. 870.
- Moren, Joseph A., Grand River, Iowa, assignor of one-half to R. M. Moren. Sanitary hog-trough. No. 1,057,490; Apr. 1; Gaz. vol. 189; p. 32.
- Moren, Rutledge M. (See Moren, Joseph A., assignor.)
- Moreno, Raul R., Allentown, Pa. Removing copper from other metals. No. 1,050,678; Jan. 14; Gaz. vol. 186; p. 496.
- Morenus, Robert F., Park Ridge, Ill. Pedal-action for pianos. No. 1,070,512; Aug. 19; Gaz. vol. 193; p. 561.
- Morenus, William H., Lake View, Iowa, assignor to Austin Manufacturing Company, Chicago, Ill. Grading and ditching machine. No. 1,053,203; Feb. 18; Gaz. vol. 187; p. 541.
- Morenus, William H., Lake View, Iowa, S. F. Beatty, and O. E. Moats, assignors to Austin Manufacturing Company, Chicago, Ill. Double or gang road-grader. No. 1,066,643; July 8; Gaz. vol. 192; p. 287.
- Morey, Harry J., Syracuse, assignor to Pass & Seymour, Inc., Solvay, N. Y. Shade-holder. No. 1,050,284; Jan. 14; Gaz. vol. 186; p. 361.
- Morey, Harry J., Syracuse, assignor to Pass & Seymour, Inc., Solvay, N. Y. Shade-holder. No. 1,082,604; Dec. 30; Gaz. vol. 197; p. 1047.
- Morey, William E., and J. H. Gaetjé, assignors to National Dump Car Company, Chicago, Ill. Dump-car. No. 1,050,975; Jan. 21; Gaz. vol. 186; p. 635.
- Morey, William H., New York, N. Y. Book-holder. No. 1,070,280; Aug. 12; Gaz. vol. 193; p. 439.
- Morgal, John F., assignor to The C. W. Raymond Co., Dayton, Ohio. Cutting-wire support for brick-machines. No. 1,066,434; July 1; Gaz. vol. 192; p. 183.
- Morgan, Abraham, Independence, Mo. Spring-wheel. No. 1,080,649; Dec. 9; Gaz. vol. 197; p. 235.
- Morgan, Arthur M., Bridgeport, Ohio. Line-wire fastener. No. 1,061,311; May 13; Gaz. vol. 190; p. 292.
- Morgan, August C., Groom, Tex. Engine-starter. No. 1,065,708; June 24; Gaz. vol. 191; p. 967.
- Morgan, Bernard, Newport, R. I. Hand-tool. No. 1,050,746; Jan. 14; Gaz. vol. 186; p. 518.
- Morgan, Charles. (See Eschenbach, Franz, assignor.)
- Morgan, Charles H., and J. G. Snyder, Altoona, Pa. Railway-tie fastening. No. 1,050,285; Jan. 14; Gaz. vol. 186; p. 361.
- Morgan, Charles N., Elizabeth City, N. C. Ditching-machine. No. 1,066,308; July 1; Gaz. vol. 192; p. 145.
- Morgan Construction Company. (See Carroll, Elbert H., assignor.)
- Morgan Construction Company. (See Edwards, Victor E., assignor.)
- Morgan Construction Company. (See George, Jerome R., assignor.)
- Morgan Crucible Company Limited. (See Grant, John E., assignor.)
- Morgan, Daniel, Aspinwall, assignor of one-half to A. H. Leslie, Hoboken, Pa. Door-operating mechanism. No. 1,076,051; Oct. 21; Gaz. vol. 195; p. 558.
- Morgan, Edmund C., Chicago, Ill., assignor to Titlow Waste Heat Power Company, Uniontown, Pa. Apparatus for utilizing coke-oven heat. No. 1,054,859; Mar. 4; Gaz. vol. 188; p. 72.
- Morgan, Edmund C., Chicago, Ill., assignor to Titlow Waste Heat Power Company, Uniontown, Pa. Apparatus for utilizing coke-oven heat. No. 1,054,860; Mar. 4; Gaz. vol. 188; p. 72.
- Morgan, Edward D., Waltham, assignor to Heaton-Peninsular Button Fastener Company, Boston, Mass. Lower raceway for button-fastening machines. No. 1,070,163; Aug. 12; Gaz. vol. 193; p. 399.
- Morgan, Edwin J., Brooklyn, N. Y. Window. No. 1,055,209; Mar. 4; Gaz. vol. 188; p. 185.
- Morgan, Emily G., executrix. (See Morgan, Robert W.)
- Morgan, Enoch W., Wyomissing, Pa. Feeding-bottle. No. 1,056,113; Mar. 18; Gaz. vol. 188; p. 561.
- Morgan, Francis L., Rockmart, Ga. Rail-joint fastening. No. 1,059,193; Apr. 15; Gaz. vol. 189; p. 702.
- Morgan, Frank L., Washington, D. C., assignor to Underwood Typewriter Company, New York, N. Y. Type-writing machine. No. 1,071,170; Aug. 26; Gaz. vol. 193; p. 813.

Alphabetical list of patentees—Continued.

- Morgan, Franklyn J., Los Angeles, Cal. Automobile seat construction. No. 1,078,602; Nov. 11; Gaz. vol. 196; p. 499.
- Morgan, Fredrick W., St. Louis, Mo. Ball-caster. No. 1,082,968; Dec. 30; Gaz. vol. 197; p. 1174.
- Morgan-Gardner Electric Company. (See Noble, Ralph E., assignor.)
- Morgan, George C. (See White, Tilman, assignor.)
- Morgan, Gerry A. (See Richardson and Morgan.)
- Morgan, Harvey H., Alexandria, La. Stump-burner. No. 1,082,644; Dec. 30; Gaz. vol. 197; p. 1061.
- Morgan, Henry. (See Isaacson and Morgan.)
- Morgan, Henry W., Rochester, N. Y. Nailing-machine. No. 1,063,719; June 3; Gaz. vol. 191; p. 191.
- Morgan, J. R. (See Pepper, James H., assignor.)
- Morgan, Jack C., assignor of one-half to R. J. Conway, Los Angeles, Cal. Shaving-brush. No. 1,051,815; Jan. 28; Gaz. vol. 186; p. 950.
- Morgan, John A., and H. W. Lindsay, Dover, Tenn. Plant-dusting machine. No. 1,063,373; June 3; Gaz. vol. 191; p. 69.
- Morgan, John B., deceased; W. H. Gallagher, administrator, assignor of one-twentieth to J. H. Kennedy and one-twentieth to J. W. Harrison, Detroit, Mich. Automatic valve. No. 1,068,154; July 22; Gaz. vol. 192; p. 871.
- Morgan, John D. (See Saltzman and Morgan.)
- Morgan, John D., Summit, N. J. Typographic machine. No. 1,056,042; Mar. 18; Gaz. vol. 188; p. 536.
- Morgan, John H., Chicago, Ill., assignor, by mesne assignments, to Titlow Waste Heat Power Company, Uniontown, Pa. Coke-oven steam-generator. No. 1,050,679; Jan. 14; Gaz. vol. 186; p. 496.
- Morgan, Joseph, New Orleans, La. Butter-churn. No. 1,069,492; Aug. 5; Gaz. vol. 193; p. 141.
- Morgan, Joseph E., Taylorville, Ill. Automatic brake for elevators. No. 1,069,457; Aug. 5; Gaz. vol. 193; p. 129.
- Morgan, Katherine P. (See Shelor and Morgan.)
- Morgan, Lilly M., Hillsboro, Ohio. Hat-pin. No. 1,073,360; Sept. 16; Gaz. vol. 194; p. 653.
- Morgan, Ralph L., Worcester, Mass. Tire attachment. No. 1,054,980; Mar. 4; Gaz. vol. 188; p. 111.
- Morgan, Reuben D., Cleveland, Ohio. Folding stool. No. 1,075,591; Oct. 14; Gaz. vol. 195; p. 373.
- Morgan, Robert R., and W. H. Corder, North Carrollton, Miss. Horse-detacher. No. 1,079,792; Nov. 25; Gaz. vol. 196; p. 975.
- Morgan, Robert W., deceased, Bronxville, N. Y.; E. G. Morgan, executrix. Incandescent-lamp-securing means. No. 1,056,354; Mar. 18; Gaz. vol. 188; p. 640.
- Morgan, Thomas D., Rogers, Ark. Fruit-evaporator. No. 1,064,925; June 17; Gaz. vol. 191; p. 665.
- Morgan, Thomas G., Shamokin, Pa. Shaving-soap holder. No. 1,073,921; Sept. 23; Gaz. vol. 194; p. 868.
- Morgan, Thomas H., McCartney, Pa. Car-brake mechanism. No. 1,049,386; Jan. 7; Gaz. vol. 186; p. 23.
- Morgan, Tone V. (See Millan, Alpheus F., assignor.)
- Morgan, William H. (See Feters, Norman C., assignor.)
- Morgan, William H., Alliance, Ohio. Means for securing rails to metal ties. No. 1,063,374; June 3; Gaz. vol. 191; p. 69.
- Morgan, William H., Alliance, Ohio. Railway-track construction. No. 1,072,761; Sept. 9; Gaz. vol. 194; p. 401.
- Morgan, William H., Alliance, Ohio. Railway construction. No. 1,074,283; Sept. 30; Gaz. vol. 194; p. 1017.
- Morgan, William J., St. Louis, Mo., assignor to A. L. Eustice, Chicago, Ill. Inclosed electric fuse. No. 1,074,806; Oct. 7; Gaz. vol. 195; p. 75.
- Morgan, William M., *et al.* (See Lancaster, Corbon H. E., assignor.)
- Morgen, Henry, Crary, assignor of one-third to L. Kragerud and one-third to P. Paulson, Willow City, N. D. Hay-sling. No. 1,074,516; Sept. 30; Gaz. vol. 194; p. 1092.
- Morgenstein, Jacob R., and J. Blenz, Decatur, Ill. Horse-shoe attachment. No. 1,079,426; Nov. 25; Gaz. vol. 196; p. 845.
- Morgner, Carl G., Chicago, Ill. Screen for passenger-cars. No. 1,071,565; Aug. 26; Gaz. vol. 193; p. 944.
- Moriggi, Carl, assignor to The Firm of A. Sauer, Arbon, Switzerland. Divided loom-reed. No. 1,067,619; July 15; Gaz. vol. 192; p. 657.
- Morin, Joseph, Seattle, Wash. Saw-gaging tool. No. 1,060,203; Apr. 29; Gaz. vol. 189; p. 1118.
- Morinaga, Fumi, Philadelphia, Pa. Toy. No. 1,077,735; Nov. 4; Gaz. vol. 196; p. 168.
- Moring, Frederick L., Jr., Forrester, Ill. Baby-carriage. No. 1,077,422; Nov. 4; Gaz. vol. 196; p. 64.
- Morison, Donald B., Hartlepool, England. Air-ejector. No. 1,055,210; Mar. 4; Gaz. vol. 188; p. 186.
- Morison, Donald B., Hartlepool, England. Steam-condensing and vacuum-producing apparatus. No. 1,059,899; Apr. 22; Gaz. vol. 189; p. 972.
- Morison, Donald B., Hartlepool, England. Water-jet ejector. No. 1,076,600; Oct. 21; Gaz. vol. 195; p. 750.
- Morison, Donald B., Hartlepool, England. Steam-regenerative accumulator and water-heater. No. 1,081,132; Dec. 9; Gaz. vol. 197; p. 448.
- Moritz, Charles S., Tavannes, Switzerland. Shaking device for suction-machines. No. 1,053,227; Feb. 18; Gaz. vol. 187; p. 549.
- Moritz, Herman, J. J. Koelsch, and F. T. Koehn, Durham, Kans. Shock-absorber attachment. No. 1,057,573; Apr. 1; Gaz. vol. 189; p. 60.
- Moritz, René, Wasquehal, France, assignor to L. Heller & Son, New York, N. Y. Electrolytic device for generating oxygen and hydrogen. (Reissue.) No. 13,643; Nov. 11; Gaz. vol. 196; p. 500.
- Moritz, Simon, St. Louis, Mo. Cloth-laying machine. No. 1,078,302; Nov. 11; Gaz. vol. 196; p. 398.
- Moriz, Georg, and G. P. Barschall, Rixdorf, near Berlin, Germany. Cap for corked bottles. No. 1,060,009; Apr. 29; Gaz. vol. 189; p. 1054.
- Mork, Harry S. (See Gallagher and Mork.)
- Mork, Harry S., assignor to Chemical Products Company, Boston, Mass. Treating cellulose esters. No. 1,061,771; May 13; Gaz. vol. 190; p. 449.
- Mork, Harry S., assignor to Chemical Products Company, Boston, Mass. Coated fabric. No. 1,062,725; May 27; Gaz. vol. 190; p. 849.
- Mork, Harry S., assignor to Chemical Products Company, Boston, Mass. Articles composed of cellulose esters. No. 1,074,092; Sept. 23; Gaz. vol. 194; p. 925.
- Morlan, Ernest E., Columbia, Mo. Stovepipe-fastener. No. 1,058,083; Apr. 8; Gaz. vol. 189; p. 280.
- Morley, Edward G., Malvern, Melbourne, Victoria, Australia. Golf-club attachment. No. 1,075,054; Oct. 7; Gaz. vol. 195; p. 161.
- Morley, Herbert S., Newton Center, Mass. Propeller. No. 1,072,249; Sept. 2; Gaz. vol. 194; p. 196.
- Moroney, Daniel M. (See Howe, John C., assignor.)
- Morookian, Harutune, assignor to Costikyan & Company, New York, N. Y. Cover-securing device. No. 1,057,006; Mar. 25; Gaz. vol. 188; p. 897.
- Morrall, John, Larue, assignor, by mesne assignments, of one-half to W. W. Morrall, Morrall, and S. E. Morrall, Marion, Ohio. Corn-butting machine. (Reissue.) No. 13,518; Jan. 21; Gaz. vol. 186; p. 773.
- Morrall, John, assignor of one-sixth to M. Morrall, one-sixth to W. Drake, and one-sixth to M. C. Clements, Larue, Ohio. Machine for cleaning cans and the like. No. 1,053,130; Feb. 11; Gaz. vol. 187; p. 472.
- Morrall, Milton, *et al.* (See Morrall, John, assignor.)
- Morrall, Samuel E., *et al.* (See Morrall, John, assignor.) (Reissue.)
- Morrall, William W., *et al.* (See Morrall, John, assignor.) (Reissue.)
- Morrell, Earnest F., Charlotte, Mich. Trace-carrier. No. 1,068,520; July 29; Gaz. vol. 192; p. 1036.
- Morrell, Robert E., assignor to Wabash Cabinet Company, Wabash, Ind. Index holder or tab for filing-cases and the like. No. 1,071,625; Aug. 26; Gaz. vol. 193; p. 965.
- Morrell, Thomas W., Bloomfield, N. J. Melting-furnace. No. 1,075,592; Oct. 14; Gaz. vol. 195; p. 373.
- Morris, Anthony S., Delaware county, assignor to Kestner Evaporator Company, Philadelphia, Pa. Evaporator. No. 1,069,566; Aug. 5; Gaz. vol. 193; p. 165.
- Morris, Archibald D., assignor, by mesne assignments, to Murray and Jacobs Manufacturing Company, New York, N. Y. Making resistant surfaces. No. 1,072,026; Sept. 2; Gaz. vol. 194; p. 122.
- Morris, Birtie B., Eoline, Ala. Metallic tie and fastener. No. 1,058,084; Apr. 8; Gaz. vol. 189; p. 280.
- Morris, Charles A., Montclair, N. J., assignor to The Hayward Company. Excavating-shovel. No. 1,080,292; Dec. 2; Gaz. vol. 197; p. 131.
- Morris, Charley N., Oronogo, Mo. Door-lock. No. 1,051,747; Jan. 28; Gaz. vol. 186; p. 928.
- Morris, Constance M., Warroad, Minn. Forehead-protector. No. 1,072,486; Sept. 9; Gaz. vol. 194; p. 306.
- Morris, Cyril C. B., London, England. Carbureter. No. 1,079,947; Dec. 2; Gaz. vol. 197; p. 8.
- Morris, David K., and G. A. Lister, assignors to Morris & Lister Limited, Coventry, England. Electric switch, circuit-breaker, and the like. No. 1,071,566; Aug. 26; Gaz. vol. 193; p. 945.
- Morris, Edmund, assignor to Wilmarth Show Case Co., Grand Rapids, Mich. Glass show-case. No. 1,074,640; Oct. 7; Gaz. vol. 195; p. 18.
- Morris, Edwin S. (See Mulconroy and Morris.)
- Morris, Ernest C., Hephzibah, Ga. Knockdown barrel. No. 1,057,761; Apr. 1; Gaz. vol. 189; p. 124.
- Morris, Fulton R., assignor to Morris Grain Drier Company, Milwaukee, Wis. Duct-control mechanism for grain-driers. No. 1,072,762; Sept. 9; Gaz. vol. 194; p. 402.
- Morris Grain Drier Company. (See Morris, Fulton R., assignor.)
- Morris, Harry, W. Saphier, and J. P. Mann., Chicago, Ill., assignors to Morris, Mann & Reilly. Garment. No. 1,054,981; Mar. 4; Gaz. vol. 188; p. 111.
- Morris, Henry G., Philadelphia, Pa. Flying-machine. No. 1,073,277; Sept. 16; Gaz. vol. 194; p. 623.
- Morris, Hilary J., New Britain, Conn. Clean-out fitting for drain-pipes. No. 1,083,024; Dec. 30; Gaz. vol. 197; p. 1192.
- Morris, James M., Eugene, Oreg. Amusement apparatus. No. 1,069,715; Aug. 12; Gaz. vol. 193; p. 245.

Alphabetical list of patentees—Continued.

- Morris, James W., assignor of one-half to R. W. Sweet, Oakland, Cal. Brooder. No. 1,078,547; Nov. 11; Gaz. vol. 196; p. 480.
- Morris, John P. (See Richards, Francis H., assignor.)
- Morris, Josiah, assignor of one-half to H. W. Ridgely, Atlanta, Ga. Car-step attachment. No. 1,052,364; Feb. 4; Gaz. vol. 187; p. 176.
- Morris, Leroy R., Longbeach, Cal. Automatic chimney-sweep. No. 1,075,593; Oct. 14; Gaz. vol. 195; p. 373.
- Morris & Lister Limited. (See Morris and Lister, assignors.)
- Morris, Mann & Reilly. (See Morris, Saphier, and Mann, assignors.)
- Morris, Nathan. (See Sanders and Morris.)
- Morris, Otho A., San Antonio, Tex. Valve for internal-combustion engines. No. 1,081,689; Dec. 16; Gaz. vol. 197; p. 670.
- Morris, Robert C., New York, N. Y. Sugar-container. No. 1,082,893; Dec. 30; Gaz. vol. 197; p. 1148.
- Morris, Sydney S., Watertown, N. Y. Sectional rim. No. 1,078,798; Nov. 18; Gaz. vol. 196; p. 601.
- Morris, Thomas M., and R. N. Luetje, Augusta, Ga. Oil-burner. No. 1,058,085; Apr. 8; Gaz. vol. 189; p. 280.
- Morris, Vance L., Arbo, Miss. Trip-stanchion for logging-cars. No. 1,061,196; May 6; Gaz. vol. 190; p. 217.
- Morris, William D., assignor to The Republic Rubber Company, Youngstown, Ohio. Vehicle-wheel. No. 1,072,348; Sept. 2; Gaz. vol. 194; p. 228.
- Morris, William H., assignor of one-third to E. S. Harston and one-third to W. H. Coffey, Brownsville, Tenn. Scraper. No. 1,053,426; Feb. 18; Gaz. vol. 187; p. 619.
- Morris, William L., Chicago, Ill. High-speed recording-gage. No. 1,052,940; Feb. 11; Gaz. vol. 187; p. 408.
- Morris, William L., Chicago, Ill., assignor to S. F. Bowser & Company, Incorporated, Fort Wayne, Ind. Clarifying system for oils and the like. No. 1,056,928; Mar. 25; Gaz. vol. 188; p. 871.
- Morris, William L., assignor to S. F. Bowser & Co., Inc., Fort Wayne, Ind. Oil-drying apparatus. No. 1,066,644; July 8; Gaz. vol. 192; p. 288.
- Morris, William L., Cleveland, Ohio, assignor to S. F. Bowser & Company, Fort Wayne, Ind. Lubricating apparatus. No. 1,074,730; Oct. 7; Gaz. vol. 195; p. 50.
- Morris, William M., Bordentown, N. J. Dyeing-machine. No. 1,076,305; Oct. 21; Gaz. vol. 195; p. 645.
- Morris, William S., assignor of forty one-hundredths to J. Caesar, St. Louis, Mo. Pole-climbing device. No. 1,073,158; Sept. 16; Gaz. vol. 194; p. 580.
- Morris, William S., assignor of forty one-hundredths to J. Caesar, St. Louis, Mo. Reinforced-cement pole. No. 1,078,548; Nov. 11; Gaz. vol. 196; p. 481.
- Morrisey, Richard A., Elizabeth City, N. C. Lamp-chimney lifter. No. 1,066,031; July 1; Gaz. vol. 192; p. 44.
- Morrison, Abraham C., Chicago, Ill. Separating mixed liquefied gases. No. 1,056,043; Mar. 18; Gaz. vol. 188; p. 537.
- Morrison, Alexander G., and O. Gotsch, St. Louis, Mo. Adjustable chain portière, valance, or grille. No. 1,057,491; Apr. 1; Gaz. vol. 189; p. 32.
- Morrison, Andrew M., Dubuque, Iowa. Automatic barrel-filler. No. 1,070,831; Aug. 19; Gaz. vol. 193; p. 668.
- Morrison, Clarence E., Albany, N. Y. Stamp-vending machine. No. 1,060,204; Apr. 29; Gaz. vol. 189; p. 1119.
- Morrison, Egbert R., Sharon, Pa. Steam-boiler. No. 1,061,312; May 13; Gaz. vol. 190; p. 292.
- Morrison, George B., Salt Lake City, Utah. Pie-crust forming and trimming device. No. 1,063,890; June 3; Gaz. vol. 191; p. 246.
- Morrison, George L. (See Fordon and Morrison.)
- Morrison, James, Montreal, Quebec, Canada. Dust and cinder screen for passenger-coach windows. No. 1,068,069; July 22; Gaz. vol. 192; p. 842.
- Morrison, James, Montreal, Quebec, Canada. Dust and cinder screen for passenger-coach windows. No. 1,070,981; Aug. 19; Gaz. vol. 193; p. 715.
- Morrison, John, Granby, Colo. Door-fastener. No. 1,055,941; Mar. 11; Gaz. vol. 188; p. 468.
- Morrison, John, Jr., Glens Falls, N. Y. Table-archery. No. 1,075,264; Oct. 7; Gaz. vol. 195; p. 235.
- Morrison, John A. (See Fisher and Morrison.)
- Morrison, John A., Kelowna, British Columbia, Canada. Display-rack. No. 1,061,625; May 13; Gaz. vol. 190; p. 402.
- Morrison, Joseph D., Farmington, Pa. Package-tier. No. 1,069,567; Aug. 5; Gaz. vol. 193; p. 165.
- Morrison, Joseph O., Anderson, Ind., assignor to The Forse Manufacturing Company. Speed-measure. (Re-issue.) No. 1,3650; Nov. 18; Gaz. vol. 196; p. 780.
- Morrison, Joseph O., Anderson, assignor of one-half to T. S. Gettle and G. W. Davis, Greenfield, Ind. Speed-indicator. No. 1,058,086; Apr. 8; Gaz. vol. 189; p. 281.
- Morrison, Kenneth M., Minneapolis, Minn. Time-calculator. No. 1,077,736; Nov. 4; Gaz. vol. 196; p. 169.
- Morrison, Luther E., New York, N. Y., assignor to Mergenthaler Linotype Company. Typographical machine. No. 1,072,763; Sept. 9; Gaz. vol. 194; p. 402.
- Morrison, Robert P. (See Patchett and Morrison.)
- Morrison, Thomas. (See Mickleson, James W., assignor.)
- Morrison, William, Des Moines, Iowa. Storage battery. No. 1,058,778; Apr. 15; Gaz. vol. 189; p. 556.
- Morrison, William, Des Moines, Iowa. Separator for storage-battery plates. No. 1,058,779; Apr. 15; Gaz. vol. 189; p. 557.
- Morrison, William, Des Moines, Iowa. Negative-pole plate for storage batteries. No. 1,067,437; July 15; Gaz. vol. 192; p. 595.
- Morrison, William, Georgiana, Ala. Lace-cabinet. No. 1,067,749; July 15; Gaz. vol. 192; p. 701.
- Morrison, William, Philadelphia, Pa. Blindstitch seaming mechanism. No. 1,071,452; Aug. 26; Gaz. vol. 193; p. 908.
- Morrison, William, Troy, N. Y. Massage shaving-brush. No. 1,080,919; Dec. 9; Gaz. vol. 197; p. 381.
- Morrison, William, assignor to Universal Electric Storage Battery Company, Chicago, Ill. Electric secondary battery. No. 1,051,816; Jan. 28; Gaz. vol. 186; p. 950.
- Morrison, William A., Boston, Mass. Hygienic mitten. No. 1,053,204; Feb. 18; Gaz. vol. 187; p. 541.
- Morrison, William B. (See Bywater and Morrison.)
- Morrison, William F. (See Coe, Charles E., assignor.)
- Morrison, William R., Chicago, Ill. Armored pneumatic tire. No. 1,061,313; May 13; Gaz. vol. 190; p. 293.
- Morrison, William R., Chicago, Ill. Tire or tread therefor. No. 1,063,578; June 3; Gaz. vol. 191; p. 139.
- Morriss, Edward, New Bedford, Mass. Loom-shuttle. No. 1,051,152; Jan. 21; Gaz. vol. 186; p. 696.
- Morrissey, David J., assignor of one-half to C. P. Curran, St. Louis, Mo. Printing-press. No. 1,066,645; July 8; Gaz. vol. 192; p. 288.
- Morrissey, James T., assignor to American Optical Company, Southbridge, Mass. Drilling and kindred machine. No. 1,071,776; Sept. 2; Gaz. vol. 194; p. 37.
- Morrissey, Thomas F., West Orange, N. J., assignor to United Button Company. Work-holder. No. 1,062,547; May 20; Gaz. vol. 190; p. 748.
- Morrow, David W., assignor of one-half to J. P. Cross, Cleveland, Ohio. Reinforced concrete construction. No. 1,064,850; June 17; Gaz. vol. 191; p. 643.
- Morrow, Frank C., Wellston, Ohio. Separator. No. 1,082,352; Dec. 23; Gaz. vol. 197; p. 929.
- Morrow, James E., Elmira, N. Y. Drill-socket. No. 1,054,439; Feb. 25; Gaz. vol. 187; p. 1000.
- Morrow, Robert C., Theford Mines, Quebec, Canada. Rail-fastener. No. 1,074,005; Sept. 23; Gaz. vol. 194; p. 896.
- Morrow, Thomas M., assignor to Thomas Halton's Sons, Philadelphia, Pa. Jacquard-machine. No. 1,055,068; Mar. 4; Gaz. vol. 188; p. 142.
- Morrow, William L., Los Angeles, Cal. Deep-well air-pump. No. 1,080,843; Dec. 9; Gaz. vol. 197; p. 355.
- Morrow, William P., Woodward, Okla. Cultivator. No. 1,053,630; Feb. 18; Gaz. vol. 187; p. 687.
- Morrow, William P., Woodward, Okla. Cultivator. No. 1,070,281; Aug. 12; Gaz. vol. 193; p. 439.
- Morsberger, George B., Baltimore, Md. Draft-rigging. No. 1,072,146; Sept. 2; Gaz. vol. 194; p. 164.
- Morscher, Lawrence N. (See Ehrsam and Morscher.)
- Morse, Alfred B., South Easton, Mass. Clutch. No. 1,063,998; June 10; Gaz. vol. 191; p. 318.
- Morse Chain Company. (See Morse, Frank L., assignor.)
- Morse Code Signal Co. (See Burnett, William S., assignor.)
- Morse, Frank L., Trumansburg, assignor to Morse Chain Company, Ithaca, N. Y. Sprocket-wheel. No. 1,071,946; Sept. 2; Gaz. vol. 194; p. 95.
- Morse, Frank W., Los Angeles, Cal. Rail-joint chair. No. 1,064,155; June 10; Gaz. vol. 191; p. 372.
- Morse, John J., St. Louis, Mo. Reinforced brake-shoe. No. 1,075,848; Oct. 14; Gaz. vol. 195; p. 460.
- Morse, Leo, New York, N. Y. Vanity-box. No. 1,077,093; Oct. 28; Gaz. vol. 195; p. 975.
- Morse, Mathew H., Algiers, La. Self-cleaning drag-scraper bucket. No. 1,078,454; Nov. 11; Gaz. vol. 196; p. 450.
- Morse, Raymond P. (See Graham and Morse.)
- Morse, Theodore F., assignor to Huntley Manufacturing Company, Silver Creek, N. Y. Cleaner for separator-screens. No. 1,074,970; Oct. 7; Gaz. vol. 195; p. 129.
- Morse Twist Drill & Machine Company. (See Batchelor, Fennimore G., assignor.)
- Morse, Walter A., North Grosvenor Dale, Conn. Telephone-locking system. No. 1,069,458; Aug. 5; Gaz. vol. 193; p. 130.
- Morse, William R., Los Angeles, Cal. Nut-lock. No. 1,068,001; July 22; Gaz. vol. 192; p. 819.
- Morss, Stephen B., Rahway, N. J. Air-distributor for lamps and stoves. No. 1,064,521; June 10; Gaz. vol. 191; p. 497.
- Morss, Stephen B., Rahway, N. J. Lamp-burner. No. 1,068,601; July 28; Gaz. vol. 192; p. 1064.
- Mort, Lee H., Pittsburgh, Pa. Splice-bar. No. 1,049,510; Jan. 7; Gaz. vol. 186; p. 64.
- Mortensen, Andrew C., Coalinga, Cal. Oil-well capper. No. 1,050,976; Jan. 21; Gaz. vol. 186; p. 635.
- Mortenson, Ole O., Clair, Saskatchewan, Canada. Unloading apparatus. No. 1,051,748; Jan. 28; Gaz. vol. 186; p. 928.
- Mortier, Paul, Paris, France, assignor to General Electric Company. Governing mechanism for mixed-pressure turbines. No. 1,060,354; Apr. 29; Gaz. vol. 189; p. 1173.

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- Mortimer, Elias M. (See Corrigan and Mortimer.)
Mortimer, Thomas L., New York, N. Y. Window-sash lock. No. 1,060,110; Apr. 29; Gaz. vol. 189; p. 1086.
Morton, Albert H., Lowell, Mass. Thread-board for spinning, twisting, and the like machines. No. 1,051,249; Jan. 21; Gaz. vol. 186; p. 727.
Morton, Albert H., Lowell, Mass. Spindle-driving mechanism. No. 1,052,612; Feb. 11; Gaz. vol. 187; p. 295.
Morton, Albert H., Lowell, Mass. Hank-clock for spinning, twisting, and the like machines. No. 1,053,312; Feb. 18; Gaz. vol. 187; p. 578.
Morton, Albert H., Lowell, Mass. Spindle for spinning, twisting, and the like machines. No. 1,053,313; Feb. 18; Gaz. vol. 187; p. 579.
Morton, Albert H., Lowell, Mass. Spindle for spinning, twisting, and the like machines. No. 1,058,780; Apr. 15; Gaz. vol. 189; p. 557.
Morton, Arthur, Warwick, assignor to Crompton Company, Providence, R. I. Knife-holder and knife for cutting pile fabrics. No. 1,055,348; Mar. 11; Gaz. vol. 188; p. 270.
Morton, Arthur, Warwick, assignor to Crompton Company, Providence, R. I. Pile-cutting machine. No. 1,082,894; Dec. 30; Gaz. vol. 197; p. 1149.
Morton, Arthur H., Cleveland, Ohio. Pneumatic tire. No. 1,062,024; May 20; Gaz. vol. 190; p. 574.
Morton, Arthur H., Cleveland, Ohio. Fastening device for doors, hinged windows, and the like. No. 1,069,716; Aug. 12; Gaz. vol. 193; p. 245.
Morton, Arthur L., Mountain View, Cal. Prune-picker. No. 1,059,063; Apr. 15; Gaz. vol. 189; p. 657.
Morton, Arthur L., Mountain View, Cal. Conveying and spreading apparatus. No. 1,064,364; June 10; Gaz. vol. 191; p. 442.
Morton, Arthur L., Mountain View, Cal. Fruit cutting and pitting machine. No. 1,079,573; Nov. 25; Gaz. vol. 196; p. 896.
Morton, Burris M., Koshkonong, Mo. Bottle. No. 1,080,293; Dec. 2; Gaz. vol. 197; p. 131.
Morton, Charles E., Edwardsville, Ill. Safety attachment for moving-picture machines. No. 1,061,101; May 6; Gaz. vol. 190; p. 185.
Morton, David F., Eureka Mills, Va., assignor to Otis Elevator Company, Jersey City, N. J. Automatic plunger-elevator. No. 1,081,690; Dec. 16; Gaz. vol. 197; p. 671.
Morton, Edwin W. (See Wolfe and Morton.)
Morton, Frank M., Phoenix, Ala. Revolving collapsible dyeing-beam for dyeing-machines. No. 1,059,900; Apr. 22; Gaz. vol. 189; p. 973.
Morton, Frank M., Phoenix, Ala., assignor of one-third to H. L. Woodruff and one-third to W. H. Dismuke, Columbus, Ga. Revolving collapsible beam for dyeing-machines. No. 1,062,493; May 20; Gaz. vol. 190; p. 731.
Morton, Fred B., Pasadena, Cal. Plumbing-fitting. No. 1,064,241; June 10; Gaz. vol. 191; p. 402.
Morton, Harry, Oakland, Cal. Paper-holder. No. 1,057,393; Mar. 25; Gaz. vol. 188; p. 1027.
Morton, Harry D. (See Allen and Morton.)
Morton, Harry U., assignor to The General Railway Supply Company, Chicago, Ill. Trap-door hinge. No. 1,057,355; Mar. 25; Gaz. vol. 188; p. 1015.
Morton, Henry E., Muskegon, Mich. Shaper-table support. No. 1,063,934; June 3; Gaz. vol. 191; p. 262.
Morton, James B., Dallas, Tex. Street-indicator for electric cars. No. 1,075,055; Oct. 7; Gaz. vol. 195; p. 161.
Morton, Joseph C., and A. S. Rupard, Eldorado Springs, Mo. Tripod. No. 1,061,102; May 6; Gaz. vol. 190; p. 186.
Morton, Lawrence D., assignor to The Hinde & Dauch Paper Company, Sandusky, Ohio. Ventilated box or carton. No. 1,059,977; Jan. 21; Gaz. vol. 186; p. 636.
Morton, Lawrence D., assignor to The Hinde & Dauch Paper Company, Sandusky, Ohio. Egg-crate or shipping-box. No. 1,072,487; Sept. 9; Gaz. vol. 194; p. 307.
Morton, Leslie W., Canton, Ill. Rail-drill. No. 1,074,517; Sept. 30; Gaz. vol. 194; p. 1093.
Morton, Leslie W., Canton, Ill. Rail-drill drive and frame therefor. No. 1,074,557; Sept. 30; Gaz. vol. 194; p. 1105.
Morton, Walter S., Harrisburg, Pa. Spoke-tightener. No. 1,053,056; Feb. 11; Gaz. vol. 187; p. 446.
Morton, Walter S., Harrisburg, Pa. Wheel-tread. No. 1,056,571; Mar. 18; Gaz. vol. 188; p. 719.
Morton, Walter S., Harrisburg, Pa. Motor-vehicle frame. No. 1,062,789; May 27; Gaz. vol. 190; p. 870.
Morton, Walter S., Harrisburg, Pa. Worm-drive for motor-vehicles. No. 1,076,052; Oct. 21; Gaz. vol. 195; p. 558.
Morton, Walter S., Portsmouth Ohio, assignor to S. F. Dunkle, trustee, Harrisburg, Pa. Steering mechanism for traction-engines. No. 1,062,788; May 27; Gaz. vol. 190; p. 870.
Mortonsen, H. C., *et al.* (See Burling, Charles S., assignor.)
Mosby, Alfred D., assignor to Marsh-Capron Manufacturing Company, Chicago, Ill. Discharge device for concrete-mixers. No. 1,067,539; July 15; Gaz. vol. 192; p. 630.
Mosby, Charles L., *et al.* (See Ring, Charles E., assignor.)
Moschenross, John B. (See Edison, Karl, assignor.)
Mosicki, Ignacy, and C. Jablczynski, Freiburg, assignors to Aluminum-Industrie-Aktien-Gesellschaft, Zurich, Switzerland. Manufacturing cyanid of hydrogen. No. 1,050,978; Jan. 21; Gaz. vol. 186; p. 636.
Moscovitz, Samuel B., New York, N. Y., assignor, by mesne assignments, to National Automatic Roll Advertising Company. Electrical indicator. No. 1,076,222; Oct. 21; Gaz. vol. 195; p. 616.
Moseley, Edward L., and E. D. Mendenhall, Oakland, assignors to Safety Appliance Manufacturing Co., San Francisco, Cal. Safety device for elevator-doors. No. 1,068,692; July 29; Gaz. vol. 192; p. 1095.
Moseley, Emerson B., assignor to The McCaskey Register Company, Alliance, Ohio. Spring-clip for filing appliances. No. 1,070,164; Aug. 12; Gaz. vol. 193; p. 400.
Moseley, Gayle G., and A. C. Cameron, Redlands, Cal. Tooth-brush holder and sterilizer. No. 1,051,433; Jan. 28; Gaz. vol. 186; p. 823.
Moseley, William M., Elgin, Ill. Screw-feed attachment for tail-stocks of watchmakers' lathes. No. 1,068,693; July 29; Gaz. vol. 192; p. 1096.
Moser, Albert. (See Regas, Herrmann, and Moser.)
Moser, Andrew, Hickman, Nebr. Acetylene-gas apparatus. No. 1,053,427; Feb. 18; Gaz. vol. 187; p. 619.
Moser, Charles E., Boulogne-sur-Seine, France. Shock-absorbing wheel for vehicles. No. 1,073,508; Sept. 16; Gaz. vol. 194; p. 702.
Moser, Fred J., assignor to Moser Manufacturing Company, Kane, Pa. Device for attaching reels to engines. No. 1,053,205; Feb. 18; Gaz. vol. 187; p. 541.
Moser, George W., Perrysburg, Ohio. Combined intake and exhaust valve for internal-combustion engines. No. 1,075,594; Oct. 14; Gaz. vol. 195; p. 374.
Moser Manufacturing Company. (See Moser, Fred J., assignor.)
Moser Paper Co. (See Kane and Bauman, assignors.)
Moser Paper Company. (See Bauman, George C., assignor.)
Moses, Adolph, Mount Vernon, N. Y. Automatic vending-machine. No. 1,061,197; May 6; Gaz. vol. 190; p. 217.
Moses, Jacob B. (See Ludwig and Moses.)
Moses, Leabman S., assignor to C. S. Mayer, New York, N. Y. Garment-holder. No. 1,054,861; Mar. 4; Gaz. vol. 188; p. 72.
Mosesson, Bernard. (See Satin, Mosesson, and Garfinkel.)
Mosher, David. (See Moran and Mosher.)
Mosher, James W., Berkeley, Cal. Road-planer. No. 1,068,155; July 22; Gaz. vol. 192; p. 871.
Mosher, James W., Berkeley, Cal. Levee. No. 1,073,278; Sept. 16; Gaz. vol. 194; p. 623.
Mosher, Peter W., assignor of one-half to H. G. Learned, Stockton, Cal. Spring-nut. No. 1,049,590; Jan. 7; Gaz. vol. 186; p. 94.
Mosher, Peter W., assignor of one-half to H. G. Learned, Stockton, Cal. Foot-guard. No. 1,050,069; Jan. 7; Gaz. vol. 186; p. 255.
Mosiman, John, Sedalia, Mo. Extension-step-ladder attachment. No. 1,068,805; July 29; Gaz. vol. 192; p. 1136.
Moskal, Joseph, Chicago, Ill. Safety-stop for elevators. No. 1,061,103; May 6; Gaz. vol. 190; p. 186.
Moskowitz, Morris, Montclair, N. J. Starting and lighting apparatus for motor-vehicles. No. 1,065,959; July 1; Gaz. vol. 192; p. 19.
Moskowitz, Morris, Montclair, N. J. Motor-vehicle. No. 1,069,279; Aug. 5; Gaz. vol. 193; p. 67.
Mosler, Arthur R., assignor to A. R. Mosler & Co., New York, N. Y. Timer. No. 1,052,743; Feb. 11; Gaz. vol. 187; p. 337.
Mosler, Moses, Cincinnati, and C. Bartels, Hamilton, Ohio, assignors to The Mosler Safe Company of New York. Safe construction. No. 1,078,799; Nov. 18; Gaz. vol. 196; p. 601.
Mosler Safe Company, The. (See Bartels, Carl, assignor.)
Mosler Safe Company of New York, The. (See Mosler and Bartels, assignors.)
Moss, Bertie B., Salem, assignor of one-fourth to G. Sims and one-fourth to J. Lennes, Indianapolis, Ind. Vehicle-wheel. No. 1,059,194; Apr. 15; Gaz. vol. 189; p. 702.
Moss, Fred. (See Pepling, Marinus, assignor.)
Moss, Frederick D., Hororata, New Zealand. Handle-fastening. No. 1,081,546; Dec. 16; Gaz. vol. 197; p. 626.
Moss, Jacob, New York, N. Y. Insect-trap. No. 1,050,376; Jan. 14; Gaz. vol. 186; p. 394.
Moss, Louis, New York, N. Y. Toy. No. 1,060,998; May 6; Gaz. vol. 190; p. 152.
Moss, Samuel, Waltham, Mass. Wrench. No. 1,077,543; Nov. 4; Gaz. vol. 196; p. 106.
Moss, Sanford A., Lynn, Mass., assignor to General Electric Company. Gas-turbine. No. 1,064,665; June 10; Gaz. vol. 191; p. 545.
Moss, Sanford A., Lynn, Mass., assignor to General Electric Company. Centrifugal compressor. No. 1,075,300; Oct. 7; Gaz. vol. 195; p. 248.

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- Moss, William F., Richmond, Tex. Fountain-brush. No. 1,080,574; Dec. 9; Gaz. vol. 197; p. 280.
- Mossberg, Frank, Attleboro, Mass., assignor to Frank Mossberg Company. Handle. No. 1,055,646; Mar. 11; Gaz. vol. 188; p. 368.
- Mossberg, Frank, Attleboro, Mass., assignor to Frank Mossberg Company. Wrench. No. 1,077,059; Nov. 11; Gaz. vol. 196; p. 313.
- Mossberg, Neils, Denver, Colo. Concentrator. No. 1,057,079; Mar. 25; Gaz. vol. 188; p. 921.
- Mosteller, Dosier H., Chicago, Ill. Water-bicycle. No. 1,072,027; Sept. 2; Gaz. vol. 194; p. 123.
- Mote, Horace, assignor to The Steelback Ladder Company, Cleveland, Ohio. Convertible ladder. No. 1,070,908; Aug. 19; Gaz. vol. 193; p. 692.
- Motherwell, Joseph W., Chicago, Ill., assignor to The Ashton Valve Company, Boston, Mass. Recording-gage. No. 1,063,281; June 3; Gaz. vol. 191; p. 38.
- Motion Advertising Co., The. (See Le Brocq, Richard F., assignor.)
- Motor Car Equipment Repairs Company. (See Miller, John A., assignor.)
- Motsinger, Homer N., La Fayette, Ind. Oiling device. No. 1,067,670; July 15; Gaz. vol. 192; p. 675.
- Mott, Abram C., Jr., assignor to Abram Cox Stove Company, Philadelphia, Pa. Lighting device for gas-burners of ovens. No. 1,072,349; Sept. 2; Gaz. vol. 194; p. 229.
- Mott, Abram C., Jr., assignor to Abram Cox Stove Company, Philadelphia, Pa. Making molds. No. 1,074,006; Sept. 23; Gaz. vol. 194; p. 897.
- Mott, Abram C., assignor to Abram Cox Stove Company, Philadelphia, Pa. Molding-machine. No. 1,074,518; Sept. 30; Gaz. vol. 194; p. 1093.
- Mott, Abram C., Jr., assignor to Abram Cox Stove Company, Philadelphia, Pa. Molding-flask. No. 1,081,251; Dec. 9; Gaz. vol. 197; p. 488.
- Mott, Burke W., Norfolk, Va. Window-ventilator. No. 1,057,871; Apr. 1; Gaz. vol. 189; p. 164.
- Mott, Emmet, Columbus, Ohio. Corn-harvester. No. 1,050,979; Jan. 21; Gaz. vol. 186; p. 636.
- Mott, James H., Battle Creek, Mich. Straw-spreader. No. 1,078,800; Nov. 18; Gaz. vol. 196; p. 602.
- Mott, Samuel D., Passaic, N. J. Aerodrome. No. 1,050,980; Jan. 21; Gaz. vol. 186; p. 637.
- Mott, Samuel D., Passaic, N. J. Flying-machine. No. 1,057,444; Apr. 1; Gaz. vol. 189; p. 17.
- Mott, William P., Chicago, Ill. Spraying apparatus. No. 1,057,657; Apr. 1; Gaz. vol. 189; p. 89.
- Motter, Harry L., New York, N. Y. Barrow. No. 1,068,359; July 22; Gaz. vol. 192; p. 942.
- Motter, William N., and F. S. Kochendorfer, Chicago, Ill., assignors, by mesne assignments, to General Electric Company. Oscillating-fan motor. No. 1,073,617; Sept. 23; Gaz. vol. 194; p. 762.
- Motz, Charles F., Monaco, assignor to Phoenix Glass Company, Pittsburgh, Pa. Sand-blast machine. No. 1,081,547; Dec. 16; Gaz. vol. 197; p. 627.
- Motznik, John and R. D., Cuyahoga Falls, Ohio. Movable stairway. No. 1,052,613; Feb. 11; Gaz. vol. 187; p. 296.
- Motznik, Rudolf D. (See Motznik, John and R. D.)
- Mouat, Thomas G., Cleveland, Ohio. Steam-heating system. No. 1,058,781; Apr. 15; Gaz. vol. 189; p. 557.
- Mougette, Emil J., Chicago, Ill. Combination plug-cock. No. 1,054,020; Feb. 25; Gaz. vol. 187; p. 856.
- Moukos, Charles. (See Matchette and Moukos.)
- Moulié, Eugène, Jacksonville, Fla. Apparatus for receiving, separating, and filtering oils. No. 1,075,265; Oct. 7; Gaz. vol. 195; p. 235.
- Moulton, Eugene W., Roxbury, Mass. Cork-puller. No. 1,070,513; Aug. 19; Gaz. vol. 193; p. 562.
- Moulton, James N., Haverhill, assignor to Massachusetts Chemical Company, Walpole, Mass. Welt-strip. No. 1,064,980; June 17; Gaz. vol. 191; p. 685.
- Moulton, Luther V., Grand Rapids, Mich. Starter for internal-combustion engines. No. 1,060,355; Apr. 29; Gaz. vol. 189; p. 1174.
- Mount Lyell Mining and Railway Company, The. (See Sanderson, Frederick S., assignor.)
- Mourek, Adolf, Rathbun, Iowa. Lock. No. 1,081,133; Dec. 9; Gaz. vol. 197; p. 448.
- Mowbray, James W., assignor of one-half to J. H. Chambers, Winnipeg, Manitoba, Canada. Carbureter. No. 1,061,626; May 13; Gaz. vol. 190; p. 402.
- Mowday, Morris D. B., Douglass township, Berks county, Pa. Sash-holder. No. 1,066,136; July 1; Gaz. vol. 192; p. 82.
- Mowe, Lester M., Deep River, Wash. Starting device for explosive-engines. No. 1,077,094; Oct. 28; Gaz. vol. 195; p. 975.
- Mower, Edwin F., Boston, Mass., assignor to United Shoe Machinery Company, Paterson, N. J. Stitch-indenting machine. No. 1,054,021; Feb. 25; Gaz. vol. 187; p. 857.
- Mowins, Teofil, Erie, Pa. Steel-plate boiler-bracket. No. 1,049,900; Jan. 7; Gaz. vol. 186; p. 197.
- Mowlds, Thomas D., Bala, Pa. Stone-channeling mechanism. No. 1,062,790; May 27; Gaz. vol. 190; p. 871.
- Mowrey, Alvin E., Franklin, Pa. Printing-press. No. 1,082,353; Dec. 23; Gaz. vol. 197; p. 929.
- Mowrey, Ralph A., Ridgway, Pa. Dispensing-can. No. 1,079,793; Nov. 25; Gaz. vol. 196; p. 975.
- Mowry, Roy M., assignor of one-half to C. A. Markwell, Los Angeles, Cal. Baling-machine. No. 1,076,601; Oct. 21; Gaz. vol. 195; p. 750.
- Moya, Hidalgo, assignor to Imperial Typewriter Company Limited, North Evington, England. Type-bar mechanism for type-writers. No. 1,076,602; Oct. 21; Gaz. vol. 195; p. 750.
- Moye, Byron F., Dupuyer, Mont. Dirigible headlight. No. 1,081,398; Dec. 16; Gaz. vol. 197; p. 576.
- Moyer, Amon B., Munhall, Pa. Method of and apparatus for making steel castings. No. 1,053,854; Feb. 18; Gaz. vol. 187; p. 762.
- Moyer, Fredellia H., assignor to The Firestone Tire & Rubber Company, Akron, Ohio. Clamping device for demountable vehicle-rims. No. 1,059,382; Apr. 22; Gaz. vol. 189; p. 802.
- Moyer, Frederick J. (See Kuhnsman and Moyer.)
- Moyer, Harvey A. (See Kayle, Oscar C., assignor.)
- Moyer, Harvey A., et al. (See Kayle, Oscar C., assignor.)
- Moyer, Samuel, Columbiana, Ohio. Pan-lifter. No. 1,063,826; June 3; Gaz. vol. 191; p. 226.
- Moyer, Walter W. (See Condit, Harry H., assignor.)
- Mt. Joy, Albert, assignor of one-half to J. R. Clarke, Greensburg, Pa. Furnace. No. 1,081,321; Dec. 16; Gaz. vol. 197; p. 551.
- Muchka, Josef, Vienna, Austria-Hungary. Feed-water heater. No. 1,056,044; Mar. 18; Gaz. vol. 188; p. 537.
- Mudge, Burton W., Chicago, Ill. Railway mail-crane. No. 1,058,782; Apr. 15; Gaz. vol. 189; p. 557.
- Mudrak, Paul. (See Mazur and Mudrak.)
- Muehlberg, Karl O., Carrick, Pa. Cellar or like door. No. 1,050,981; Jan. 21; Gaz. vol. 186; p. 637.
- Muehleisen, Carl, Berlin, Germany, assignor to Mergenthaler Linotype Company, New York, N. Y. Escapement mechanism of typographical composing-machines. No. 1,056,355; Mar. 18; Gaz. vol. 188; p. 641.
- Muehleisen, Carl, Berlin, Germany, assignor to Mergenthaler Linotype Company. Matrix or type-die for use in typographical composing-machines. No. 1,057,445; Apr. 1; Gaz. vol. 189; p. 18.
- Muehleisen, Carl, Berlin, Germany, assignor to Mergenthaler Linotype Company. Typographical line-casting machine. No. 1,058,321; Apr. 8; Gaz. vol. 189; p. 363.
- Muehleisen, Carl, Berlin, Germany, assignor to Mergenthaler Linotype Company. Typographical composing and casting machine. No. 1,066,032; July 1; Gaz. vol. 192; p. 45.
- Muehlmatt, Adolph, Newport, Ky. Holder for engraving-blocks. No. 1,057,762; Apr. 1; Gaz. vol. 189; p. 124.
- Muehlmatt, Adolph, Newport, Ky. Self-filling fountain-pen. No. 1,064,759; June 17; Gaz. vol. 191; p. 614.
- Mueller, Adolf E., Louisville, Ky. Propeller. No. 1,078,159; Nov. 11; Gaz. vol. 196; p. 346.
- Mueller, Adolph, et al., executors. (See Mueller, Henry and P.)
- Mueller, Anton, Breslau, Germany. Non-explosive stopper for bottles containing liquid fuels. No. 1,074,448; Sept. 30; Gaz. vol. 194; p. 1072.
- Mueller, Charles F., Elizabeth, N. J. Square-head nail-set. No. 1,067,832; July 22; Gaz. vol. 192; p. 762.
- Mueller, Engelbert, Reserve township, Allegheny county, Pa. Orthopedic brace. No. 1,058,322; Apr. 8; Gaz. vol. 189; p. 364.
- Mueller, George E., La Grange, assignor to Kellogg Switchboard and Supply Company, Chicago, Ill. Automatic switch for telephone systems. No. 1,068,521; July 29; Gaz. vol. 192; p. 1036.
- Mueller, George H., assignor to The Jeffrey Mfg. Co., Columbus, Ohio. Conveyer. No. 1,054,305; Feb. 25; Gaz. vol. 187; p. 953.
- Mueller, Hellena. (See Szabados and Mueller.)
- Mueller, Henry, deceased, (O. B. and A. Mueller, executors,) and P. Mueller, assignors to H. Mueller Mfg. Co., Decatur, Ill. Fluid-pressure reducer or regulator. No. 1,050,036; Jan. 7; Gaz. vol. 186; p. 243.
- Mueller, John F., assignor of one-half to W. M. Hahn, Evansville, Ind. Making plow-points. No. 1,053,057; Feb. 11; Gaz. vol. 187; p. 446.
- Mueller, John G. (See Globe, Alexander R., assignor.)
- Mueller, Joseph, St. Louis, Mo. Lock. No. 1,067,187; July 8; Gaz. vol. 192; p. 473.
- Mueller, Lisette, Fredericksburg, Tex. Hat-fastener. No. 1,058,323; Apr. 8; Gaz. vol. 189; p. 364.
- Mueller, Louis J., Jr., assignor to L. J. Mueller Furnace Co., Milwaukee, Wis. Grate for heaters. No. 1,068,002; July 22; Gaz. vol. 192; p. 819.
- Mueller, Max, Clifton, N. J. Spindle-bearing. No. 1,065,066; June 17; Gaz. vol. 191; p. 713.
- Mueller, Ora B., et al., executors. (See Mueller, Henry and P.)
- Mueller, Philip. (See Mueller, Henry and P.)
- Mueller, Philip, assignor to H. Mueller Mfg. Co., Decatur, Ill. Clean-out ferrule for drain or soil pipes. No. 1,060,693; May 6; Gaz. vol. 190; p. 45.

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- Mueller, Philip, assignor to H. Mueller Mfg. Co., Decatur, Ill. Float-valve. No. 1,078,943; Nov. 18; Gaz. vol. 196; p. 648.
- Mueller, Philip, and A. C. Schuermann, assignors to H. Mueller Mfg. Co., Decatur, Ill. Index for cocks or faucets. No. 1,049,591; Jan. 7; Gaz. vol. 186; p. 94.
- Mueller, Philip, and A. C. Schuermann, assignors to H. Mueller Mfg. Co., Decatur, Ill. Sanitary drinking-fountain. No. 1,053,058; Feb. 11; Gaz. vol. 187; p. 446.
- Mueller, Philip, and A. C. Schuermann, assignors to H. Mueller Mfg. Co., Decatur, Ill. Drinking-fountain. No. 1,054,306; Feb. 25; Gaz. vol. 187; p. 953.
- Mueller, Philip, and A. C. Schuermann, assignors to H. Mueller Mfg. Co., Decatur, Ill. Coupling telescopic pipes. No. 1,057,763; Apr. 1; Gaz. vol. 189; p. 124.
- Mueller, Philip, and A. C. Schuermann, assignors to H. Mueller Mfg. Co., Decatur, Ill. Combined waste and overflow. No. 1,059,748; Apr. 22; Gaz. vol. 189; p. 925.
- Mueller, Philip, and A. C. Schuermann, assignors to H. Mueller Mfg. Co., Decatur, Ill. Device for controlling the flow of fluid. No. 1,081,274; Dec. 9; Gaz. vol. 197; p. 497.
- Mueller, Philip, Decatur, Ill., and J. P. Mern, New York, N. Y., assignors to H. Mueller Mfg. Co., Decatur, Ill. Connecting-joint. No. 1,053,528; Feb. 18; Gaz. vol. 187; p. 653.
- Mueller, Rudolph, Chicago, Ill. Liquid-dispensing pump. No. 1,072,636; Sept. 9; Gaz. vol. 194; p. 358.
- Mueller, Rudolph, assignor to Goodenow-Brookfield Knitting Company, Kansas City, Mo. Trim for knit garments. No. 1,054,233; Feb. 25; Gaz. vol. 187; p. 930.
- Muffy, Glenn, Dubuque, Iowa. Rotary internal-combustion motor. No. 1,064,522; June 10; Gaz. vol. 191; p. 497.
- Muh, Robert, and A. Schupp, Loch Sheldrake, N. Y. Road-surfacing composition for surfacing roads, driveways, and sidewalks. No. 1,074,131; Sept. 30; Gaz. vol. 194; p. 967.
- Muhlbauer, Jaroslav, Prague, Austria-Hungary. Producing minium. No. 1,059,195; Apr. 15; Gaz. vol. 189; p. 702.
- Muhlfeld, Frank J., New York, N. Y. Flattening conical hat-bodies. No. 1,052,504; Feb. 11; Gaz. vol. 187; p. 259.
- Muhlfeld, Frank J., New York, N. Y. Making velour hat-bodies by napping. No. 1,066,746; July 8; Gaz. vol. 192; p. 325.
- Muhlfeld, John E., Baltimore, Md. Wheel. No. 1,064,156; June 10; Gaz. vol. 191; p. 373.
- Muhlfeld, John E., Scarsdale, N. Y. Truck. No. 1,073,812; Sept. 23; Gaz. vol. 194; p. 830.
- Muhlfeld, John E., Kansas City, Mo. Vestibule-diaphragm and support therefor. No. 1,074,731; Oct. 7; Gaz. vol. 195; p. 50.
- Muir Company. (See Huguélet, William P., assignor.)
- Muir Company. (See Muir, Wellington W., assignor.)
- Muir, Daniel H., Lincoln, Nebr. Gasolene-engine. No. 1,055,069; Mar. 4; Gaz. vol. 188; p. 142.
- Muir, Wellington W., assignor to Muir Company, Baltimore, Md. Carbureter. No. 1,078,590; Nov. 11; Gaz. vol. 196; p. 494.
- Muir, Wellington W., assignor to Muir Company, Baltimore, Md. Carbureter. No. 1,078,591; Nov. 11; Gaz. vol. 196; p. 495.
- Muir, Wellington W., assignor to Muir Company, Baltimore, Md. Carbureter. No. 1,078,592; Nov. 11; Gaz. vol. 196; p. 495.
- Muirhead, William J. A., Seattle, Wash. Shoe-lace and manner of tying same. No. 1,065,264; June 17; Gaz. vol. 191; p. 777.
- Mukautz, Peter J., Chicago, Ill. Means for operating exposure-shutters. No. 1,081,548; Dec. 16; Gaz. vol. 197; p. 627.
- Mulchy, Patrick A., Des Moines, Iowa. Stack-hood. No. 1,050,286; Jan. 14; Gaz. vol. 186; p. 362.
- Mulconroy, James J., and E. S. Morris, Philadelphia, Pa. Hose-coupling. No. 1,066,214; July 1; Gaz. vol. 192; p. 111.
- Mulford, Logan W., assignor to American Bar Lock Company, Philadelphia, Pa. Sidewalk-door. No. 1,051,617; Jan. 28; Gaz. vol. 186; p. 836.
- Mulford, Logan W., assignor to American Bar Lock Company, Philadelphia, Pa. Vault-light construction. No. 1,052,085; Feb. 4; Gaz. vol. 187; p. 83.
- Mulford, Logan W., Narberth, assignor to American Bar Lock Company, Philadelphia, Pa. Sidewalk, vault-light, skylight, or floor-light construction. No. 1,052,084; Feb. 4; Gaz. vol. 187; p. 83.
- Mulford, Logan W., Narberth, assignor to American Bar Lock Company, Philadelphia, Pa. Sidewalk, floor, vault, and roof light construction. No. 1,062,987; May 27; Gaz. vol. 190; p. 936.
- Mulford, Logan W., Narberth, assignor of one-half to F. J. Geiger, Philadelphia, Pa. Constructing a concrete skylight, vault-light, and floor-light. No. 1,073,147; Sept. 2; Gaz. vol. 194; p. 164.
- Mulgrew, Felix B., San Francisco, Cal. Combined advertising device and stationery-dispensing cabinet. No. 1,049,511; Jan. 7; Gaz. vol. 186; p. 65.
- Mulholland, Vergil, Edgewood, assignor to Heyl & Patterson, Inc., Pittsburgh, Pa. Apparatus for handling glassware. No. 1,053,631; Feb. 18; Gaz. vol. 187; p. 688.
- Mulholland, Vergil, Edgewood, Pa., assignor to Heyl & Patterson, Incorporated. Apparatus for handling glassware. No. 1,053,632; Feb. 18; Gaz. vol. 187; p. 688.
- Mulholland, Vergil, Edgewood, assignor to Heyl & Patterson, Inc., Pittsburgh, Pa. Apparatus for transferring glassware to leers. No. 1,058,193; Apr. 8; Gaz. vol. 189; p. 319.
- Mulholland, Vergil, Edgewood, assignor to Heyl & Patterson, Inc., Pittsburgh, Pa. Leer. No. 1,071,331; Aug. 26; Gaz. vol. 193; p. 867.
- Mullally, John B., and G. L. Grant, Seattle, Wash. Clip-attaching device. No. 1,077,154; Oct. 28; Gaz. vol. 195; p. 992.
- Mullen, Charles A., assignor to R. D. Mullen, New York, N. Y. Drying and heating apparatus. No. 1,074,519; Sept. 30; Gaz. vol. 194; p. 1093.
- Mullen, John, New York, N. Y. Mechanical toy. No. 1,059,064; Apr. 15; Gaz. vol. 189; p. 657.
- Mullen, Joseph D., St. Louis, Mo., assignor to Texas Delinter Company, Limited, Shreveport, La. Delinter. No. 1,064,523; June 10; Gaz. vol. 191; p. 497.
- Mullen, Joseph D., St. Louis, Mo., assignor to Texas Delinter Company, Limited, Shreveport, La. Delinter. No. 1,068,156; July 22; Gaz. vol. 192; p. 871.
- Mullen, Leo G., Crafton, Pa. Transparent pavement. No. 1,081,979; Dec. 23; Gaz. vol. 197; p. 798.
- Mullen, Richard T., and J. W. McKelvey, assignors of one-third to D. J. Shulte, Latrobe, Pa. Valve. No. 1,056,114; Mar. 18; Gaz. vol. 188; p. 561.
- Mullen, Ruth D. (See Mullen, Charles A., assignor.)
- Mullen, Thomas J., and T. F. Brennan, New Brighton, N. Y. Shock-absorber. No. 1,049,512; Jan. 7; Gaz. vol. 186; p. 65.
- Mullen, Thomas J., and T. F. Brennan, New Brighton, N. Y. Shock-absorber. No. 1,058,253; Apr. 8; Gaz. vol. 189; p. 338.
- Müller, Alfred, Charlottenburg, Germany. Firing mechanism for firearms. No. 1,058,886; Apr. 15; Gaz. vol. 189; p. 596.
- Müller, Alfred, Charlottenburg, Germany. Safety device for firearms. No. 1,058,887; Apr. 15; Gaz. vol. 189; p. 596.
- Müller, Arthur. (See Wassmund and Müller.)
- Müller, August J., Gackle, N. D. Grain-elevator. No. 1,058,455; Apr. 8; Gaz. vol. 189; p. 410.
- Müller, Carl, Ludwigshafen-on-the-Rhine, and M. H. Isler, Mannheim, assignors to Badische Anilin & Soda Fabrik, Ludwigshafen-on-the-Rhine, Germany. Anthraquinone dye. No. 1,062,988; May 27; Gaz. vol. 190; p. 936.
- Müller, Carl O. (See Luther and Müller.)
- Müller, Emil. (See Völler and Müller.)
- Müller, Emil, Dusseldorf, assignor to Rheinische Metallwaren- und Maschinenfabrik, Dusseldorf-Derendorf, Germany. Differential-recoil gun. No. 1,072,350; Sept. 2; Gaz. vol. 194; p. 229.
- Müller, Emil, Dusseldorf, assignor to Rheinische Metallwaren- und Maschinenfabrik, Dusseldorf-Derendorf, Germany. Apparatus for automatically indicating the time of flight of a projectile. No. 1,079,794; Nov. 25; Gaz. vol. 196; p. 976.
- Müller, Ernst. (See Wassmund and Müller.)
- Müller, Felix, New York, N. Y. Propeller. No. 1,054,786; Mar. 4; Gaz. vol. 188; p. 46.
- Müller, Friederich, Elizabeth, N. J. Grinding-machine. No. 1,055,286; Mar. 4; Gaz. vol. 188; p. 210.
- Müller, Friederich, Hartford, assignor, by mesne assignments, to The American Dan Stopper Company, Bridgeport, Conn. Cap-making and bottling machine. No. 1,074,520; Sept. 30; Gaz. vol. 194; p. 1094.
- Müller, Fritz, Cologne-Sülz, Germany. Dirigible headlight. No. 1,060,205; Apr. 29; Gaz. vol. 189; p. 1119.
- Müller, Hans, Hagen, Westphalia, Germany. Feeding device for cutting mechanism. No. 1,065,620; June 24; Gaz. vol. 191; p. 936.
- Müller, Hans, Hagen, Westphalia, Germany. Feeding and cutting mechanism. No. 1,065,621; June 24; Gaz. vol. 191; p. 937.
- Müller, Henry, Brooklyn, N. Y. Machine for making crimped paper cups. No. 1,073,618; Sept. 23; Gaz. vol. 194; p. 762.
- Müller, Herman, New York, N. Y. Button-making machine. No. 1,074,641; Oct. 7; Gaz. vol. 195; p. 19.
- Müller, Hermann, Leipzig-Gohlis, Germany. Electrical suspension-railway. No. 1,074,807; Oct. 7; Gaz. vol. 195; p. 75.
- Müller, Johann J. (See Koch and Müller.)
- Müller, Joseph H., Oakland, Cal. Micrometer-callipers. No. 1,075,929; Oct. 14; Gaz. vol. 195; p. 488.
- Müller, Joseph W., Chehalis, Wash. Automatic milk-can filler. No. 1,049,901; Jan. 7; Gaz. vol. 186; p. 197.
- Müller, Karl, Paris, France. Apparatus for drawing off water of condensation. No. 1,061,314; May 13; Gaz. vol. 190; p. 293.

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- Müller, Paul, Charlottenburg, Germany, assignor to General Electric Company. Potential-regulator. No. 1,066,747; July 8; Gaz. vol. 192; p. 326.
- Müller, Philipp, Frankfort-on-the-Main, Germany. Manufacture of alimentary products. No. 1,080,920; Dec. 9; Gaz. vol. 197; p. 381.
- Müller, Philipp, Frankfort-on-the-Main, assignor to H. Finkelstein and L. F. Meyer, Berlin, Germany. Manufacture of alimentary products. No. 1,061,488; May 13; Gaz. vol. 190; p. 352.
- Müller, Philipp, Vilbel, assignor to H. Finkelstein and L. F. Meyer, Berlin, Germany. Manufacture of alimentary products. No. 1,075,720; Oct. 14; Gaz. vol. 195; p. 417.
- Muller, Rudolph F., assignor to Byron Jackson Iron Works, Berkeley, Cal. Power-head for deep-well pumps. No. 1,051,347; Jan. 21; Gaz. vol. 186; p. 760.
- Müller, Wilhelm A. T., Berlin-Steglitz, Germany. System and method of producing, by means of combustion-engines, electric current. No. 1,064,981; June 17; Gaz. vol. 191; p. 685.
- Müller, Wilhelm A. T., Berlin-Steglitz, Germany. Means for coupling vehicles. No. 1,071,453; Aug. 26; Gaz. vol. 193; p. 908.
- Müller, Wilhelm A. T., Berlin-Steglitz, Germany. Electrically-driven railless trains. No. 1,075,595; Oct. 14; Gaz. vol. 195; p. 374.
- Mullikin, John W., Augusta, Ga. Yarn-stripper. No. 1,057,356; Mar. 25; Gaz. vol. 188; p. 1015.
- Mullin, Colman J., New York, N. Y. Feeder-support. No. 1,063,827; June 3; Gaz. vol. 191; p. 227.
- Mulliner, Richard H., Syracuse, N. Y. Piano-action. No. 1,082,895; Dec. 30; Gaz. vol. 197; p. 1149.
- Mullins, Gilbert, assignor of one-half to J. Frank, Leavenworth, Kans. Pipe or rod cutter. No. 1,081,857; Dec. 16; Gaz. vol. 197; p. 729.
- Müllner, Edmund, assignor to E. Huth, Berlin, Germany. Photographic recording apparatus for galvanometers, oscillographs, and the like. No. 1,054,598; Feb. 25; Gaz. vol. 187; p. 1053.
- Mulloy Acetylene Gas Plant and Engineering Company. (See Bunnell, Morton G., assignor.)
- Mulloy, Bernard P., New Albany, Ind. Automatic weighing-machine. No. 1,082,354; Dec. 23; Gaz. vol. 197; p. 930.
- Mulon, Robert, Jacksonville, Fla. Nut-lock. No. 1,081,549; Dec. 16; Gaz. vol. 197; p. 627.
- Multiplex Display Fixture Company. (See Crecelius, Theodore E., assignor.)
- Multiplex Display Fixture Company. (See Feldmann and Crecelius, assignors.)
- Mulvehill, John D., Spokane, Wash. Non-refillable bottle. No. 1,054,982; Mar. 4; Gaz. vol. 188; p. 112.
- Mumford, Arthur G., and A. Anthony, Colchester, England. Valve-gear for fluid-pressure engines. No. 1,056,115; Mar. 18; Gaz. vol. 188; p. 562.
- Mumford, Edgar H., Philadelphia, Pa. Mold-table. No. 1,066,835; July 8; Gaz. vol. 192; p. 353.
- Mumford, Edgar H., Philadelphia, Pa. Mechanism for drawing patterns. No. 1,075,117; Oct. 7; Gaz. vol. 195; p. 181.
- Mumford, Edgar H., Plainfield, N. J., assignor to S. C. Mumford, Detroit, Mich. Jolt ramming apparatus. No. 1,052,086; Feb. 4; Gaz. vol. 187; p. 84.
- Mumford, Samuel C. (See Mumford, Edgar H., assignor.)
- Muncaster, Walter J., assignor of one-half to Cumberland Steel Company, Cumberland, Md. Measuring instrument. No. 1,060,111; Apr. 29; Gaz. vol. 189; p. 1086.
- Münch, Gustav, Griesheim, assignor to Chemische Fabrik Griesheim-Elektron, Frankfort-on-the-Main, Germany. Manufacture of zinc-sodium hydrosulfite. No. 1,068,522; July 29; Gaz. vol. 192; p. 1036.
- Munch, Hans S., Racine, Wis. Combination ice-tank and hydraulic scale. No. 1,073,922; Sept. 23; Gaz. vol. 194; p. 868.
- Munden, Joseph, Bradenville, Pa. Internal-combustion engine. No. 1,062,494; May 20; Gaz. vol. 190; p. 732.
- Mundie, James H. (See Chase, Frank E., assignor.)
- Mundigler, George L., assignor to T. G. Tollefson and V. M. West, West Allis, Wis. Ticket-machine for conductors. No. 1,054,983; Mar. 4; Gaz. vol. 188; p. 112.
- Mundlos & Co., H. (See Arendt, Rudolph, assignor.)
- Mundy, Arthur J., deceased; F. B. Mundy, Millis, Mass., executrix. Monitor lubrication system for automobiles. No. 1,071,009; Aug. 19; Gaz. vol. 193; p. 724.
- Mundy, Flora B., executrix. (See Mundy, Arthur J.)
- Mundy, William A., Philadelphia, Pa. Skylight. No. 1,053,633; Feb. 18; Gaz. vol. 187; p. 689.
- Munger, Deo C., Ellsworth, Wis. Cushion-tire for vehicle-wheels. No. 1,070,715; Aug. 19; Gaz. vol. 193; p. 629.
- Munger, Dudley H., assignor to Scovill Manufacturing Company, Waterbury, Conn. Tack-fastened button. No. 1,049,902; Jan. 7; Gaz. vol. 186; p. 198.
- Munger, Verrenice, Ansonia, Conn. File-wrapper. No. 1,067,540; July 15; Gaz. vol. 192; p. 630.
- Munger, Verrenice, and C. S. Carter, assignors to The H. C. Cook Company, Ansonia, Conn. Index-tab. No. 1,052,505; Feb. 11; Gaz. vol. 187; p. 259.
- Munn, Albert C. (See McCluer and Munn.)
- Munn, Merton S., Stillwater, Minn. Shoe-sole trimmer. No. 1,060,694; May 6; Gaz. vol. 190; p. 45.
- Munro, Frederick J., Halifax, Nova Scotia, Canada. Shaving-brush. No. 1,054,709; Mar. 4; Gaz. vol. 188; p. 18.
- Munro, Robert, Pittsburgh, assignor to Century Stove & Manufacturing Company, Johnstown, Pa. Gas-stove. No. 1,056,757; Mar. 18; Gaz. vol. 188; p. 783.
- Munroe, Daniel A., Wilkinsburg, Pa., assignor to Pittsburgh Meter Company. Water-meter. No. 1,056,438; Mar. 18; Gaz. vol. 188; p. 671.
- Munsey, Percy F. (See Robertson, David N., assignor.)
- Munsing, George D., New York, N. Y. Speed-changing mechanism. No. 1,064,365; June 10; Gaz. vol. 191; p. 443.
- Munsing, George D., assignor to Munsing and Ingersoll, New York, N. Y. Tractor connection. No. 1,078,801; Nov. 18; Gaz. vol. 196; p. 602.
- Munsing, George D., assignor to Munsing and Ingersoll, New York, N. Y. Tractor caster-wheel. No. 1,079,604; Nov. 25; Gaz. vol. 196; p. 909.
- Munsing and Ingersoll. (See Munsing, George D., assignor.)
- Munson, Charles and J. G., Cedar Rapids, Iowa. Street-car controller. No. 1,062,791; May 27; Gaz. vol. 190; p. 871.
- Munson, Charles A., Williamson, W. Va., assignor of one-half to L. C. Moody, Norfolk, Va. Metallic packing. No. 1,059,683; Apr. 22; Gaz. vol. 189; p. 904.
- Munson, Edward L., U. S. Army. Apparatus for applying disinfectants and deodorants. No. 1,072,351; Sept. 2; Gaz. vol. 194; p. 230.
- Munson, George E., Providence, R. I. Pin-tongue. No. 1,056,356; Mar. 18; Gaz. vol. 188; p. 641.
- Munson, Hugh H., Truro, Iowa. Revolving clod-fender. No. 1,078,689; Nov. 18; Gaz. vol. 196; p. 561.
- Munson, John G. (See Munson, Charles and J. G.)
- Munson, Samuel R., assignor to Sargent & Company, New Haven, Conn. Game-trap. No. 1,073,923; Sept. 23; Gaz. vol. 194; p. 869.
- Munson, Sweeney, Fowler, Colo. Automatic safety water-gate for boilers. No. 1,067,188; July 8; Gaz. vol. 192; p. 473.
- Munts, Jabez, Streator, Ill. Horseshoe-calk. No. 1,065,830; June 24; Gaz. vol. 191; p. 1008.
- Muntz, Frank, Greenfield, Ill. Plow attachment. No. 1,073,434; Sept. 16; Gaz. vol. 194; p. 678.
- Munz, Ernest J., Berkeley, Cal. Clothes-pin. No. 1,082,208; Dec. 23; Gaz. vol. 197; p. 876.
- Münz, Friedrich, Stuttgart, Germany. Operating mechanism for dough-kneading machines. No. 1,081,858; Dec. 16; Gaz. vol. 197; p. 730.
- Munzer, Hugo, Paterson, N. J. Damper-regulator for steam-heating systems. No. 1,059,556; Apr. 22; Gaz. vol. 189; p. 863.
- Munzinger, Albert M., Williamsport, Pa. Bung-withdrawing machine. No. 1,057,492; Apr. 1; Gaz. vol. 189; p. 32.
- Munzner, Charles, Chicago, Ill., assignor to American Stove Company, St. Louis, Mo. Gas water-heater. No. 1,065,165; June 17; Gaz. vol. 191; p. 744.
- Murai, Masao. (See Shimizu, Shinjiro, assignor.)
- Murauer, Rudolf, Klagenfurt, Austria-Hungary. Valve-gear for engines. No. 1,062,843; May 27; Gaz. vol. 190; p. 888.
- Murbarger, Ralph. (See Murbarger, William E. and R.)
- Murbarger, William E. and R., Indianapolis, Ind.; said R. Murbarger assignor to said William E. Murbarger. Draft-reducing device for vehicles. No. 1,053,059; Feb. 11; Gaz. vol. 187; p. 447.
- Murchev, David L., Detroit, Mich. Hacksaw-frame. No. 1,063,828; June 3; Gaz. vol. 191; p. 227.
- Murchison, John S., Rocky, Okla. Animal-poke. No. 1,080,992; Dec. 9; Gaz. vol. 197; p. 404.
- Murdick, Everett C., assignor to National Sweeper Company, Newark, N. J. Carpet-sweeper. No. 1,064,982; June 17; Gaz. vol. 191; p. 686.
- Murdock, Alexander R., Boston, Mass. Extension-table. No. 1,055,647; Mar. 11; Gaz. vol. 188; p. 369.
- Murdock, Allen C., assignor of one-half to G. A. Kenwell, Inlet, N. Y. Cuspidor. No. 1,074,521; Sept. 30; Gaz. vol. 194; p. 1094.
- Murdock, Charles N. (See Brooks, Silenus D., assignor.)
- Murdock, Luke S., Cincinnati, Ohio. Coaster. No. 1,056,357; Mar. 18; Gaz. vol. 188; p. 642.
- Muridge, Courtenay G., Elk Grove, Cal. Motor-cycle. No. 1,062,844; May 27; Gaz. vol. 190; p. 889.
- Murisier, Louis I., et al. (See Halma, Edouard, assignor.)
- Murl, Gabriel, Milwaukee, Wis. Slicing-machine. No. 1,064,366; June 10; Gaz. vol. 191; p. 443.
- Murnane, Daniel J., assignor to Zouli Manufacturing Company, St. Louis, Mo. Window structure. No. 1,050,161; Jan. 14; Gaz. vol. 186; p. 319.
- Murphey, Frank P., Decatur, Ill. Rail intersection. No. 1,060,695; May 6; Gaz. vol. 190; p. 46.
- Murphey, Frank P., Decatur, assignor to Emerson-Brantingham Company, Rockford, Ill. Corn-planter. No. 1,076,145; Oct. 21; Gaz. vol. 195; p. 590.

Alphabetical list of patentees—Continued.

- Murphey, James A., Germantown, Pa. Railway-station truck. No. 1,077,738; Nov. 4; Gaz. vol. 196; p. 170.
- Murphy, Albert C., New York, N. Y. Car-truck side frame. No. 1,058,087; Apr. 8; Gaz. vol. 189; p. 281.
- Murphy, Albert C., New York, N. Y. Valve. No. 1,081,322; Dec. 16; Gaz. vol. 197; p. 551.
- Murphy, Albert C., New York, N. Y., assignor to Murphy Equipment Company. Running-board for cars. No. 1,050,377; Jan. 14; Gaz. vol. 186; p. 394.
- Murphy, Arthur E. (See Boatright and Murphy.)
- Murphy, Clinton C., Chicago, Ill. Retaining-clip for car-roofs. No. 1,057,080; Mar. 25; Gaz. vol. 188; p. 922.
- Murphy, Daniel H., assignor to American Conduit Manufacturing Company, Pittsburgh, Pa. Apparatus for electroplating pipes. No. 1,079,427; Nov. 25; Gaz. vol. 196; p. 846.
- Murphy, Daniel H., assignor to American Conduit Manufacturing Company, Pittsburgh, Pa. Apparatus for electroplating pipes. No. 1,079,428; Nov. 25; Gaz. vol. 196; p. 846.
- Murphy, Dwight, Pittsburgh, Pa. Hood-cap for outside metal car-roofs. No. 1,081,323; Dec. 16; Gaz. vol. 197; p. 551.
- Murphy, Edward, Ennis, Tex. Air-compressor. No. 1,057,575; Apr. 1; Gaz. vol. 189; p. 61.
- Murphy, Edward E., Winchester, Mass. Carbonating apparatus. No. 1,055,648; Mar. 11; Gaz. vol. 188; p. 369.
- Murphy, Edwin J., and J. E. Brobst, Schenectady, N. Y., assignors to General Electric Company. Motor-control system. No. 1,077,737; Nov. 4; Gaz. vol. 196; p. 169.
- Murphy Equipment Company. (See Murphy, Albert C., assignor.)
- Murphy, Frank, Baltimore, Md., assignor to American Can Company, New York, N. Y. Slip-cover oyster-can. No. 1,070,832; Aug. 19; Gaz. vol. 193; p. 668.
- Murphy, Harry, *et al.* (See Shipp, Michael W., assignor.)
- Murphy, Howard M. P., assignor to The Westinghouse Air Brake Company, Pittsburgh, Pa. Fluid-pressure-reducing valve. No. 1,071,777; Sept. 2; Gaz. vol. 194; p. 38.
- Murphy, James J., assignor to Eagle Lock Co., Terryville, Conn. Multiple-key lock. No. 1,059,684; Apr. 22; Gaz. vol. 189; p. 904.
- Murphy, James R. (See Boardman, Arthur F., assignor.)
- Murphy, John, Louisburg, Cape Breton, Nova Scotia, Canada. Apparatus for loading and unloading vessels. No. 1,064,157; June 10; Gaz. vol. 191; p. 373.
- Murphy, John B., Cork, Ireland. Apparatus for supporting window-sashes and the like. No. 1,076,053; Oct. 21; Gaz. vol. 195; p. 559.
- Murphy, John G., Chico, Cal. Fastening for horse-blankets. No. 1,051,618; Jan. 28; Gaz. vol. 186; p. 887.
- Murphy, John H. (See Webre, Alfred L., assignor.)
- Murphy, John R., Tacoma, Wash. Car-stake. No. 1,056,290; Mar. 18; Gaz. vol. 188; p. 621.
- Murphy, Maurice J., Philadelphia, Pa. Clothes-washer. No. 1,062,658; May 27; Gaz. vol. 190; p. 828.
- Murphy, Michael T., New Britain, Conn. Folding ladder. No. 1,065,166; June 17; Gaz. vol. 191; p. 745.
- Murphy, Morton, Janesville, Wis. Valve for fireless cookers. No. 1,054,599; Feb. 25; Gaz. vol. 187; p. 1054.
- Murphy, Morton, Janesville, Wis. Ventilating-valve. No. 1,069,022; July 29; Gaz. vol. 192; p. 1210.
- Murphy, Patrick J., West Newton, Mass. Ironing-board. No. 1,067,833; July 22; Gaz. vol. 192; p. 762.
- Murphy, Peter E., Newark, N. J. Plasterer's or painter's scraping-pan. No. 1,078,944; Nov. 18; Gaz. vol. 196; p. 649.
- Murphy, Peter H. (See Tatum, John J., assignor.)
- Murphy, Ralph O., Millvale, Pa. Relief-valve. No. 1,076,512; Oct. 21; Gaz. vol. 195; p. 718.
- Murphy, Richard F., New York, N. Y. Street-signaling apparatus for tramway and other cars. No. 1,067,483; July 15; Gaz. vol. 192; p. 611.
- Murphy, Samuel H., Jr., and J. W. McCuen, Baltimore, Md. Sparking device. No. 1,058,456; Apr. 8; Gaz. vol. 189; p. 410.
- Murphy, Thomas J., Needles, Cal. Combination deck-seat and life-boat. No. 1,049,513; Jan. 7; Gaz. vol. 186; p. 65.
- Murphy Wall Bed Company. (See Murphy, William L., assignor.)
- Murphy, Walter. (See Schilders and Murphy.)
- Murphy, Walter P. (See Sisson, Vinton E., assignor.)
- Murphy, Walter P., Chicago, Ill. End structure for railway-cars. No. 1,058,783; Apr. 15; Gaz. vol. 189; p. 558.
- Murphy, Walter P., Chicago, Ill. Metal car structure. No. 1,058,784; Apr. 15; Gaz. vol. 189; p. 558.
- Murphy, Walter P., Chicago, Ill. Railway-car construction. No. 1,058,889; Apr. 15; Gaz. vol. 189; p. 597.
- Murphy, Walter P., Chicago, Ill. Metal end structure for railway-cars. No. 1,067,053; July 8; Gaz. vol. 192; p. 426.
- Murphy, Walter P., St. Louis, Mo. Release-rigging. (Re-issue.) No. 13,557; Apr. 29; Gaz. vol. 189; p. 1249.
- Murphy, Walter P., St. Louis, Mo. Release-rigging. No. 1,067,052; July 8; Gaz. vol. 192; p. 426.
- Murphy, Walter P., and V. E. Sisson, Chicago, Ill.; said Sisson assignor to said Murphy. Metal end for railway-cars. No. 1,067,189; July 8; Gaz. vol. 192; p. 474.
- Murphy, William F., Iowa City, Iowa. Conveyer. No. 1,062,548; May 20; Gaz. vol. 190; p. 748.
- Murphy, William L., San Francisco, Cal., assignor to Murphy Wall Bed Company. Disappearing bed. No. 1,068,806; July 29; Gaz. vol. 192; p. 1137.
- Murphy, William L., assignor to Murphy Wall Bed Company, San Francisco, Cal. Disappearing bed. No. 1,083,025; Dec. 30; Gaz. vol. 197; p. 1192.
- Murr, Lewis, *et al.* (See Coleman, George, assignor.)
- Murray Airship Company. (See Murray, Willis G., assignor.)
- Murray, Albert R. (See Snedden, James, assignor.)
- Murray, Andrew, Geelong West, Victoria, Australia. Apparatus for dyeing wool and the like. No. 1,060,277; Apr. 29; Gaz. vol. 189; p. 1146.
- Murray, Charles F. (See Fowler and Murray.)
- Murray, Charles F., assignor to Simplex Railway Appliance Company, Chicago, Ill. Adjustable brake-head. No. 1,056,358; Mar. 18; Gaz. vol. 188; p. 642.
- Murray, Charles L., Mancos, Colo. Gate. No. 1,052,266; Feb. 4; Gaz. vol. 187; p. 145.
- Murray, Charles R., L. R. Brink, and W. K. Malmstrom, assignors to Barnhart Bros. & Spindler, Chicago, Ill. Electric welding. No. 1,062,571; May 20; Gaz. vol. 190; p. 756.
- Murray, Charles R., L. R. Brink, and W. K. Malmstrom, assignors to Barnhart Bros. & Spindler, Chicago, Ill. Apparatus for electric welding. No. 1,063,999; June 10; Gaz. vol. 191; p. 319.
- Murray, Christopher K., Oshkosh, Wis. Overhead switch. No. 1,078,945; Nov. 18; Gaz. vol. 196; p. 649.
- Murray, Edwin R., Alameda, Cal. Hat-pin shield. No. 1,064,158; June 10; Gaz. vol. 191; p. 374.
- Murray, Frank G. (See Gasman and Murray.)
- Murray, Frank M., Cadyville, N. Y. Driving device for vehicle-speedometers. No. 1,074,732; Oct. 7; Gaz. vol. 195; p. 51.
- Murray, George C., Chicago, Ill., assignor to Continental Railway Equipment Company, Wilmington, Del. Draft-rigging. No. 1,061,315; May 13; Gaz. vol. 190; p. 293.
- Murray, George G., Larchmont, N. Y. Means for preventing offset. No. 1,050,982; Jan. 21; Gaz. vol. 186; p. 638.
- Murray, George G., Larchmont, N. Y. Preventing offset. No. 1,051,348; Jan. 21; Gaz. vol. 186; p. 761.
- Murray, Harry D., assignor to The Bessemer Gas Engine Company, Grove City, Pa. Friction-clutch. No. 1,064,242; June 10; Gaz. vol. 191; p. 402.
- Murray, J. S., *et al.* (See Higginbotham, Judson L., assignor.)
- Murray and Jacobs Manufacturing Company. (See Morris, Archibald D., assignor.)
- Murray, James A. (See Mahoney, Jeremiah L., assignor.)
- Murray, James E., Albuquerque, N. Mex. Tank-siphon for locomotives. No. 1,060,616; May 6; Gaz. vol. 190; p. 18.
- Murray, James H., Fairfield, Me. Feed-water controller or regulator. No. 1,052,267; Feb. 4; Gaz. vol. 187; p. 146.
- Murray, James N. (See Tollstam, Oscar W., assignor.)
- Murray, James P. (See Murray and Neilan.)
- Murray, Lewis H., Grand Rapids, Mich. Automatic car-coupling. No. 1,055,414; Mar. 11; Gaz. vol. 188; p. 292.
- Murray, Margaret W., St. Joseph, Mo. Protective overboot. No. 1,075,930; Oct. 14; Gaz. vol. 195; p. 489.
- Murray, Michael, assignor to Chicago Fuse Manufacturing Company, Chicago, Ill. Electric box. No. 1,066,215; July 1; Gaz. vol. 192; p. 111.
- Murray, Michael D., West Homestead, Pa. Switching appliance. No. 1,068,807; July 29; Gaz. vol. 192; p. 1137.
- Murray, Michael J., New York, N. Y. Manufacture of artificial tooth-crowns. No. 1,058,381; Apr. 8; Gaz. vol. 189; p. 384.
- Murray, Michael W., assignor of fifty one-hundredths to G. H. Rosenblatt, New York, N. Y. Apparatus for producing carbid. No. 1,052,165; Feb. 4; Gaz. vol. 187; p. 112.
- Murray, Michael W., assignor of one-half to G. H. Rosenblatt, New York, N. Y. Manufacturing gas. No. 1,056,045; Mar. 18; Gaz. vol. 188; p. 538.
- Murray, Michael W., assignor of fifty one-hundredths to G. H. Rosenblatt, New York, N. Y. Producing calcium carbid. No. 1,060,206; Apr. 29; Gaz. vol. 189; p. 1120.
- Murray, Milton, Williams Wharf, Va. Fence-post. No. 1,057,260; Mar. 25; Gaz. vol. 188; p. 985.
- Murray, Philip C. K. W. (See Cartwright, Joseph J., assignor.)
- Murray, Samuel R., and G. E. McDermand, assignors to The Rocky Mountain Asphalt Mining and Oil Refining Company, Denver, Colo. Apparatus for extracting bituminous oil, oil compounds, and other products from sand rock and other material. No. 1,060,010; Apr. 29; Gaz. vol. 189; p. 1054.
- Murray, Stephen D., Dallas, Tex. Cotton-condenser. No. 1,059,196; Apr. 15; Gaz. vol. 189; p. 703.
- Murray, Stephen D., Dallas, Tex. Combined filler and packer for baling apparatus. No. 1,074,061; Sept. 23; Gaz. vol. 194; p. 914.
- Murray, Stephen D., Dallas, Tex. Baling-press. No. 1,074,642; Oct. 7; Gaz. vol. 195; p. 19.

Alphabetical list of patentees—Continued.

- Murray, Thomas E. (See Christians, George W., assignor.)
- Murray, Thomas E. (See Jessup, George K., assignor.)
- Murray, Thomas E. (See McHarg, Arthur V. A., assignor.)
- Murray, Thomas E. (See Murray, Thomas E., Jr., assignor.)
- Murray, Thomas E. (See Rhodes and Rypinski, assignors.)
- Murray, Thomas E., New York, N. Y. Seal-fastening. No. 1,054,440; Feb. 25; Gaz. vol. 187; p. 1000.
- Murray, Thomas E., New York, N. Y. Fuse-holding device. No. 1,060,617; May 6; Gaz. vol. 190; p. 19.
- Murray, Thomas E., New York, N. Y. Meter-testing cut-out. No. 1,066,216; July 1; Gaz. vol. 192; p. 112.
- Murray, Thomas E., New York, N. Y. Device for trapping particles in suspension in gas-currents. No. 1,073,621; Sept. 23; Gaz. vol. 194; p. 763.
- Murray, Thomas E., New York, N. Y. Fuse and fuse-carrier. No. 1,079,018; Nov. 18; Gaz. vol. 196; p. 677.
- Murray, Thomas E., New York, N. Y. Fuse-plug. No. 1,079,948; Dec. 2; Gaz. vol. 197; p. 9.
- Murray, Thomas E., and C. B. Grady, New York, N. Y. Trapping solid particles in suspension in gas-currents. No. 1,073,622; Sept. 23; Gaz. vol. 194; p. 764.
- Murray, Thomas E., and C. B. Grady, New York, N. Y.; said Grady assignor to said Murray. Apparatus for trapping particles in suspension in gas-currents. No. 1,064,984; June 17; Gaz. vol. 191; p. 686.
- Murray, Thomas E., and C. B. Grady, New York, N. Y.; said Grady assignor to said Murray. Trapping particles in suspension in gas-currents. No. 1,073,620; Sept. 23; Gaz. vol. 194; p. 763.
- Murray, Thomas E., and G. K. Jessup, New York, N. Y.; said Jessup assignor to said Murray. Electric-bath cabinet. No. 1,064,983; June 17; Gaz. vol. 191; p. 686.
- Murray, Thomas E., Jr., assignor to T. E. Murray, New York, N. Y. Electric cut-out. No. 1,064,985; June 17; Gaz. vol. 191; p. 687.
- Murray, Thomas E., Jr., assignor to T. E. Murray, New York, N. Y. Electric fuse. No. 1,073,619; Sept. 23; Gaz. vol. 194; p. 762.
- Murray, Thomas R. and J. P., and E. S. Neilan, New London, Conn. Street-cleaner. No. 1,075,489; Oct. 14; Gaz. vol. 195; p. 338.
- Murray, Warren E., assignor to Western Sugar Refining Company, San Francisco, Cal. Char-distributor. No. 1,065,960; July 1; Gaz. vol. 192; p. 20.
- Murray, William A., *et al.* (See Beggs, Thomas R., assignor.)
- Murray, William J. (See Cockcroft, Walter, assignor.)
- Murray, William L., McKenzie, Tenn. Canning apparatus. No. 1,052,365; Feb. 4; Gaz. vol. 187; p. 176.
- Murray, William S., New Haven, Conn., assignor to Westinghouse Electric and Manufacturing Company. Overhead-line structure for electric railways. No. 1,055,782; Mar. 11; Gaz. vol. 188; p. 416.
- Murray, Willis G., San Francisco, Cal. Non-skidding device. No. 1,076,904; Oct. 28; Gaz. vol. 195; p. 910.
- Murray, Willis G., San Francisco, Cal. Vacuum syringing-machine. No. 1,080,469; Dec. 2; Gaz. vol. 197; p. 193.
- Murray, Willis G., assignor to Murray Airship Company, San Francisco, Cal. Adjustable propeller-blade and means for controlling the same. No. 1,053,060; Feb. 11; Gaz. vol. 187; p. 447.
- Murton, Thomas G. (See Hunter and Murton.)
- Muschiol, Paul, Scharley, near Beuthen, Germany. Ferule. No. 1,079,258; Nov. 18; Gaz. vol. 196; p. 757.
- Muse, Charlie, Hartshorne, Okla. Spoke-tenoning machine. No. 1,069,568; Aug. 5; Gaz. vol. 193; p. 165.
- Muser, Fritz. (See Darrow, Henry W., assignor.)
- Musil, Joseph. (See Brewer, Governor L., assignor.)
- Mussell, Jacob, Caldwell, Idaho. Conveyer mechanism. No. 1,057,576; Apr. 1; Gaz. vol. 189; p. 61.
- Musselman, George W., Denver, Ind., assignor to Sharp & Smith, Chicago, Ill. Horse-sling. No. 1,064,367; June 10; Gaz. vol. 191; p. 443.
- Mussey, William H., Richmond Hill, N. Y. Combined hand-rail and trap-door fastening. No. 1,052,366; Feb. 4; Gaz. vol. 187; p. 177.
- Mussey, William H., Richmond Hill, N. Y. Basket-rack. No. 1,069,569; Aug. 5; Gaz. vol. 193; p. 165.
- Mussey, William H., Richmond Hill, N. Y. Trap-door. No. 1,069,570; Aug. 5; Gaz. vol. 193; p. 166.
- Mussey, William P., Chicago, Ill. Bowling-pin. No. 1,060,932; May 6; Gaz. vol. 190; p. 128.
- Musso, Fedele T., Bowman, Cal. Stopper-remover and sealing-cap. No. 1,051,434; Jan. 28; Gaz. vol. 186; p. 823.
- Mustee, Joseph A. and L. F., Cleveland, Ohio. Automatically-operating valve. No. 1,059,197; Apr. 15; Gaz. vol. 189; p. 703.
- Mustee, Lawrence F. (See Mustee, Joseph A. and L. F.)
- Mustin, Herbert S., assignor to The Austin Manufacturing Company, Chicago, Ill. Transmission mechanism. No. 1,051,619; Jan. 28; Gaz. vol. 186; p. 887.
- Muth, George E., assignor to F. A. Voegelé, Mansfield, Ohio. Automatic air-valve car-coupling. No. 1,078,869; Nov. 18; Gaz. vol. 196; p. 625.
- Muth, George E., and F. A. Voegelé, Mansfield, Ohio. Automatic car-coupling. No. 1,069,280; Aug. 5; Gaz. vol. 193; p. 67.
- Mutter, Karl, Görwihl, Germany. Veneer structure. No. 1,058,701; Apr. 8; Gaz. vol. 189; p. 493.
- Mutton, Arthur R., assignor of one-half to O. P. Higdon, Waterloo, Iowa. Train-signal. No. 1,066,748; July 8; Gaz. vol. 192; p. 326.
- Mutton, Arthur R., assignor of one-half to O. P. Higdon, Waterloo, Iowa. Train-stop. No. 1,077,739; Nov. 4; Gaz. vol. 196; p. 170.
- Muzzy, Fred E. (See Perkins, Julian L., assignor.)
- Muzzy, Georgia A., Chicago, Ill. Pie-plate attachment. No. 1,058,088; Apr. 8; Gaz. vol. 189; p. 281.
- Muzzy, John, Warba, Minn. Stump-extracting machine. No. 1,051,435; Jan. 28; Gaz. vol. 186; p. 824.
- Muzzy, William H., assignor to The National Cash Register Company, Dayton, Ohio. Cash-register. No. 1,051,436; Jan. 28; Gaz. vol. 186; p. 824.
- Muzzy, William H., assignor, by mesne assignments, to The National Cash Register Company, Dayton, Ohio. Cash-register. No. 1,053,415; Mar. 11; Gaz. vol. 188; p. 292.
- Muzzy, William H., assignor, by mesne assignments, to The National Cash Register Company, Dayton, Ohio. Filing-cabinet for credit-slips. No. 1,080,650; Dec. 9; Gaz. vol. 197; p. 285.
- Myatt, William J., Birmingham, England. Device for stropping or sharpening razor-blades or the like. No. 1,061,772; May 13; Gaz. vol. 190; p. 449.
- Myer, Elisha E., and O. P. Hawkins, Jackson township, Fayette county, Ind. Salt-feeder for live stock. No. 1,081,134; Dec. 9; Gaz. vol. 197; p. 449.
- Myers, Allen S., Altoona, Pa. Plant-holder. No. 1,077,423; Nov. 4; Gaz. vol. 196; p. 65.
- Myers, Archie E., Sardinia, N. Y. Umbrella-cover. No. 1,082,645; Dec. 30; Gaz. vol. 197; p. 1061.
- Myers and Brother, F. E. (See Myers, Phillip A., assignor.)
- Myers, Carl E., Frankfort, N. Y. Airship. No. 1,078,455; Nov. 11; Gaz. vol. 196; p. 451.
- Myers, Charles G., Cleveland, Ohio. Lamp. No. 1,077,153; Oct. 28; Gaz. vol. 195; p. 992.
- Myers, Charles H., Buffalo, N. Y. Worm-gearing. No. 1,060,933; May 6; Gaz. vol. 190; p. 128.
- Myers, Charles H., Buffalo, N. Y. Carbureter. No. 1,062,180; May 20; Gaz. vol. 190; p. 627.
- Myers, Charles H., Buffalo, N. Y. Light-diffusive inclosure for light sources. No. 1,065,167; June 17; Gaz. vol. 191; p. 745.
- Myers, Charles H., Buffalo, N. Y. Carbureter for stationary engines and other purposes. No. 1,070,514; Aug. 19; Gaz. vol. 193; p. 562.
- Myers, Charles H., Buffalo, N. Y. Lamp. No. 1,070,515; Aug. 19; Gaz. vol. 193; p. 562.
- Myers, Charles H., Buffalo, N. Y. Carbureter for motor-cycles and other purposes. No. 1,075,596; Oct. 14; Gaz. vol. 195; p. 375.
- Myers, Charles H., Buffalo, N. Y. Mixer for gaseous fluids. No. 1,075,597; Oct. 14; Gaz. vol. 195; p. 375.
- Myers, Charles H., Buffalo, N. Y. Carbureter for household and other uses. No. 1,075,598; Oct. 14; Gaz. vol. 195; p. 376.
- Myers, Charles H., Buffalo, N. Y. Mixer. No. 1,075,599; Oct. 14; Gaz. vol. 195; p. 376.
- Myers, Charles H., Buffalo, N. Y. Engine-starter. No. 1,080,772; Dec. 9; Gaz. vol. 197; p. 328.
- Myers, Charles H., Buffalo, N. Y. Engine-starter. No. 1,080,773; Dec. 9; Gaz. vol. 197; p. 329.
- Myers, Charles R., Cleveland, Ohio. Tree surgery. No. 1,076,441; Oct. 21; Gaz. vol. 195; p. 693.
- Myers, Donald D., La Fayette, assignor, to The Esterline Company, Indianapolis, Ind. Lamp. No. 1,074,449; Sept. 30; Gaz. vol. 194; p. 1072.
- Myers, Edgar W., San Jose, Cal., assignor to Rudolph-Myers Manufacturing Co. Charge-speed-transmission mechanism for motor-cycles. No. 1,060,999; May 6; Gaz. vol. 190; p. 153.
- Myers, Edwin D. (See Binns, James R., assignor.)
- Myers, Albert, Alberta, La. Churn. No. 1,069,571; Aug. 5; Gaz. vol. 193; p. 166.
- Myers, Flora H., Kansas City, Mo., assignor of two-thirds to G. L. Harper, Headwater, Fla., and G. Myers, Kansas City, Mo. Hair-drier. No. 1,070,716; Aug. 19; Gaz. vol. 193; p. 629.
- Myers, George F., assignor to Myers Loading Machine Company, Buffalo, N. Y. Loading-machine. No. 1,053,206; Feb. 18; Gaz. vol. 187; p. 542.
- Myers, George S., Philadelphia, Pa. Railway-tie. No. 1,074,062; Sept. 23; Gaz. vol. 194; p. 914.
- Myers, George W., Philadelphia, Pa. Wagon. No. 1,074,971; Oct. 7; Gaz. vol. 195; p. 129.
- Myers, Glenn, *et al.* (See Myers, Flora H., assignor.)
- Myers, Isadore L. (See Stutz and Arnott, assignors.)
- Myers, Jacob R., Philadelphia, Pa. Hydraulic rotary bit and holder. No. 1,080,575; Dec. 9; Gaz. vol. 197; p. 260.
- Myers, James J., Thurles, Ireland. Variable-speed gear. No. 1,077,424; Nov. 4; Gaz. vol. 196; p. 65.
- Myers, John G. (See McCready and Myers.)

Alphabetical list of patentees—Continued.

- Myers, La Fayette, and A. A. Carrick, Glendale, Ariz. Powdered molasses food and producing the same. No. 1,065,464; June 24; Gaz. vol. 191; p. 884.
- Myers, Lewis C., New York, N. Y., assignor to Royal Typewriter Company, Hoboken, N. J. Writing-machine. No. 1,053,207; Feb. 18; Gaz. vol. 187; p. 542.
- Myers, Lewis C., assignor to Royal Typewriter Company, New York, N. Y. Ribbon mechanism for type-writing machines. No. 1,072,148; Sept. 2; Gaz. vol. 194; p. 164.
- Myers, Lewis C., assignor to Royal Typewriter Company, New York, N. Y. Spring-barrel mechanism for type-writing machines. No. 1,072,149; Sept. 2; Gaz. vol. 194; p. 165.
- Myers Loading Machine Company. (See Myers, George F., assignor.)
- Myers, Louis, New York, N. Y. Type-bar guide for type-writing machines. No. 1,058,688; Apr. 8; Gaz. vol. 189; p. 488.
- Myers, Lulu, Bailey, Colo. Safety hat-pin. No. 1,075,931; Oct. 14; Gaz. vol. 195; p. 489.
- Myers, Ole J., Youngstown, Ohio. Concrete tie and steel plate. No. 1,055,211; Mar. 4; Gaz. vol. 188; p. 186.
- Myers, Philip A., assignor to F. E. Myers and Brother, Ashland, Ohio. Pump. No. 1,065,709; June 24; Gaz. vol. 191; p. 967.
- Myers, Roy R., Twin Falls, Idaho. Printing-press attachment. No. 1,055,212; Mar. 4; Gaz. vol. 188; p. 186.
- Myers, Solomon B., Plainfield, N. J., and J. Freund, St. Louis, Mo., assignors to American Cement Tile Manufacturing Company, Wampum, Pa. Manufacturing reinforced tiles. No. 1,063,579; June 3; Gaz. vol. 191; p. 139.
- Myers, William B., Rockledge, Fla. Clipping-tool. No. 1,056,046; Mar. 18; Gaz. vol. 188; p. 538.
- Myers, William C., Oakland, Cal. Electropneumatic braking system. No. 1,081,550; Dec. 16; Gaz. vol. 197; p. 628.
- Myers, William F., Lansing, Mich. Propeller. No. 1,065,710; June 24; Gaz. vol. 191; p. 968.
- Mygatt, Kenneth, Pelham Manor, N. Y. Signaling device for vehicles. No. 1,058,089; Apr. 8; Gaz. vol. 189; p. 282.
- Mygatt, Otis A., New York, N. Y. Illuminating appliance. No. 1,061,000; May 6; Gaz. vol. 190; p. 153.
- Mygatt, Otis A., New York, N. Y. Glass reflector-shade. (Reissue.) No. 13,600; July 22; Gaz. vol. 192; p. 960.
- Myles, Robert A., Montreal, Quebec, Canada. Respirator. No. 1,069,459; Aug. 5; Gaz. vol. 193; p. 130.
- Mylius, Frederic, Atlanta, Ga. Aeroplane. No. 1,074,007; Sept. 23; Gaz. vol. 194; p. 897.
- Mymms, William H., Luton, England. Detachable sweat-band. No. 1,061,489; May 13; Gaz. vol. 190; p. 353.
- Myres, Wendell D., Niles, Ohio. Voucher-check. No. 1,082,702; Dec. 30; Gaz. vol. 197; p. 1082.
- Myrick, Franklin W., Chicago, Ill. Concrete-block machine. No. 1,054,930; Mar. 4; Gaz. vol. 188; p. 93.
- Myser, James F., Denver, Colo. Folding shipping-crate. No. 1,050,378; Jan. 14; Gaz. vol. 186; p. 394.
- Mysto Mfg. Co., The. (See Gilbert, Alfred C., assignor.)
- N. Y. Sanitation-Filtration Co. (See Van Fossen, Charles L., assignor.)
- Naamlooze Vennootschap Algemeene Uitvinding Exploitatie Maatschappij. (See Adler, Rudolf, assignor.)
- Naamlooze Vennootschap "Lux." (See Van Huffel, Nicolaas G., assignor.)
- Nace, John E., Hanover, Pa. Spool-bearing. No. 1,068,264; July 22; Gaz. vol. 192; p. 910.
- Nacirema Chemical Company. (See Dunham, Henry V., assignor.)
- Nacker, Owen M., Flint, assignor of one-half to A. P. Brush, Detroit, Mich. Means for charging the cylinders of an internal-combustion engine with explosive gas. No. 1,064,368; June 10; Gaz. vol. 191; p. 444.
- Naczek, Joseph, administrator. (See Naczek, John B.)
- Naczek, John B., deceased, Milwaukee, Wis.; J. Naczek, administrator. Carbureter. No. 1,065,067; June 17; Gaz. vol. 191; p. 713.
- Nadeau, Benno, Presque Isle, Me. Portable receptacle or container. No. 1,056,572; Mar. 18; Gaz. vol. 188; p. 719.
- Nadolney, Charles, Nanticoke, Pa. Non-refillable bottle. No. 1,058,324; Apr. 8; Gaz. vol. 189; p. 364.
- Naeckel, Alexander, Davenport, Iowa. Piston-rod packing. No. 1,072,975; Sept. 9; Gaz. vol. 194; p. 481.
- Naegelen, Charles, assignor to The Cincinnati Butchers' Supply Company, Cincinnati, Ohio. Safety appliance for sausage-stuffers. No. 1,062,989; May 27; Gaz. vol. 190; p. 937.
- Naegelen, Charles, assignor to The Cincinnati Butchers' Supply Company, Cincinnati, Ohio. Lard-finisher. No. 1,070,909; Aug. 19; Gaz. vol. 193; p. 692.
- Naegelen, Charles, and A. G. Klawitter, assignors to The Cincinnati Butchers' Supply Co., Cincinnati, Ohio. Lard-strainer. No. 1,064,243; June 10; Gaz. vol. 191; p. 402.
- Nagel, Friedrich, Düren, Germany. Folded filter. No. 1,074,008; Sept. 23; Gaz. vol. 194; p. 897.
- Nagel, Henry, Ritzville, Wash. Cultivator. No. 1,080,993; Dec. 9; Gaz. vol. 197; p. 404.
- Nagel, William A., Harrison, Ohio. Parachute attachment for airships. No. 1,072,764; Sept. 9; Gaz. vol. 194; p. 403.
- Nagle, Augustus F., Bethlehem, Pa. Pump-valve and valve-deck. No. 1,082,646; Dec. 30; Gaz. vol. 197; p. 1061.
- Nagle, Frederick C., Keithville, La. Gyve-lock. No. 1,082,229; Dec. 23; Gaz. vol. 197; p. 884.
- Nagle, Frederick C., Keithville, La. Gyve. No. 1,082,230; Dec. 23; Gaz. vol. 197; p. 884.
- Nagle, G. O., et al. (See Dillon, Friend E., assignor.)
- Nagle Re Blade Knife Company. (See Yerzley, William A., assignor.)
- Nagy, Berthold, New York, N. Y. Feeding attachment for crown-cork-making machines. No. 1,063,720; June 3; Gaz. vol. 191; p. 191.
- Nagy, Stephen, New York, N. Y. Automatic feeder for metallic caps of crown-corks. No. 1,053,634; Feb. 18; Gaz. vol. 187; p. 689.
- Nahlinger, John, Cleveland, Ohio. Driving mechanism for spiral-tool drivers. No. 1,061,773; May 13; Gaz. vol. 190; p. 450.
- Nahuis, Frank J., assignor to The Empire Brass Manufacturing Company, Cleveland, Ohio. Lamp-shade holder. No. 1,066,836; July 8; Gaz. vol. 192; p. 353.
- Nailor, Clyde W., and G. J. South, Schenectady, N. Y. Vise. No. 1,059,749; Apr. 22; Gaz. vol. 189; p. 925.
- Nale, Franklin P., Birmingham, Ala. Mold-box for setting tiles and bricks. No. 1,053,635; Feb. 18; Gaz. vol. 187; p. 689.
- Nale, Franklin P., assignor of one-half to E. J. Hudnall, Birmingham, Ala. Setting tiles, bricks, and mosaics. No. 1,082,231; Dec. 23; Gaz. vol. 197; p. 885.
- Nall, Edward. (See Tyler and Nall.)
- Nance, Charles W., London, England. Tanning. No. 1,065,168; June 17; Gaz. vol. 191; p. 745.
- Nance, James W., assignor of one-fourth to H. W. Wilson, Twin Falls, Idaho. Spark-plug. No. 1,073,699; Sept. 23; Gaz. vol. 194; p. 793.
- Napier, George, and H. B. Harris, Dayton, Ohio. Brake in railway-trucks. No. 1,079,357; Nov. 25; Gaz. vol. 196; p. 822.
- Naramor, Cary W., Mecosta, Mich. Sorting-machine. No. 1,056,764; Mar. 18; Gaz. vol. 188; p. 786.
- Nardin, Celestin F., Woodhaven, N. Y. Automatic firearm. No. 1,067,054; July 8; Gaz. vol. 192; p. 427.
- Narragansett Machine Company. (See Thornley, Albert J., assignor.)
- Nase, Barnabas T., assignor to Stanley Paper Fiber Co., San Francisco, Cal. Treatment of wood-pulp. No. 1,061,316; May 13; Gaz. vol. 190; p. 294.
- Nash, Albert A. and L. A. Thurston, Nebr. Cultivator. No. 1,081,767; Dec. 16; Gaz. vol. 197; p. 698.
- Nash, Charles J., Chicago, Ill., assignor to Universal Draft Gear Attachment Co. Draft-gear. No. 1,050,486; Jan. 14; Gaz. vol. 186; p. 434.
- Nash, Charles J., assignor to Universal Draft Gear Attachment Co., Chicago, Ill. Draft-gear. No. 1,067,834; July 22; Gaz. vol. 192; p. 763.
- Nash, Charles J., Chicago, Ill., assignor to Universal Draft Gear Attachment Co. Draft-gear yoke. No. 1,074,733; Oct. 7; Gaz. vol. 195; p. 51.
- Nash, Charles J., assignor, by mesne assignments, to W. H. Miner, Chicago, Ill. Friction draft-rigging. No. 1,078,946; Nov. 18; Gaz. vol. 196; p. 649.
- Nash, Lawrence S., assignor, by mesne assignments, to Oliver Motor Car Co., Detroit, Mich. Convertible cycle-motor. No. 1,077,363; Nov. 4; Gaz. vol. 196; p. 42.
- Nash, Lewis A. (See Nash, Albert A. and L. A.)
- Nash, Lewis H., South Norwalk, Conn. Meter-piston. No. 1,050,037; Jan. 7; Gaz. vol. 186; p. 243.
- Nash, Lewis H., South Norwalk, Conn. Rod connection. No. 1,081,768; Dec. 16; Gaz. vol. 197; p. 698.
- Nash, Malcolm P., U. S. Navy. Sight for firearms. No. 1,082,355; Dec. 23; Gaz. vol. 197; p. 930.
- Nash, Nathan E., Toronto, Ontario, Canada. Heat-regulating apparatus. No. 1,057,446; Apr. 1; Gaz. vol. 189; p. 18.
- Nash, Nathan E., Toronto, Ontario, Canada. Steam-pressure-regulating apparatus. No. 1,057,447; Apr. 1; Gaz. vol. 189; p. 18.
- Nash, Nathan E., Toronto, Ontario, Canada. Heat-regulating apparatus. No. 1,060,780; May 6; Gaz. vol. 190; p. 73.
- Nash, Thomas J., Lincoln, Nebr. Combined fan and vibrator actuating means. No. 1,059,750; Apr. 22; Gaz. vol. 189; p. 925.
- Nash, Thomas J., Lincoln, Nebr. High-pressure steam-cooking utensil. No. 1,077,289; Nov. 4; Gaz. vol. 196; p. 16.
- Nash, Walter D., Atlanta, assignor to Atlanta Utility Works, East Point, Ga. Cotton-cleaning machine. No. 1,058,997; Apr. 15; Gaz. vol. 189; p. 634.
- Nash, Walter D., Atlanta, assignor to Atlanta Utility Works, East Point, Ga. Separator. No. 1,071,076; Aug. 26; Gaz. vol. 193; p. 783.
- Nassauer, Joseph W., New York, assignor to C. J. Tagliabue, Brooklyn, N. Y. Mailing and shipping case. No. 1,049,514; Jan. 7; Gaz. vol. 186; p. 65.

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- Nathan, Edwin B., New York, N. Y. Combined legging and thigh-covering. No. 1,061,317; May 13; Gaz. vol. 190; p. 294.
- Nathan, Edwin B., New York, N. Y. Coat. No. 1,065,384; June 24; Gaz. vol. 191; p. 856.
- Nathan, John, Coutolenc, Cal. Electric heater. No. 1,065,465; June 24; Gaz. vol. 191; p. 885.
- Nathan Manufacturing Co. (See Wood, Robert, assignor.)
- Nathan Manufacturing Company. (See Kassander, Leopold, assignor.)
- Nathan Manufacturing Company. (See Kelsey, Edgar A., assignor.)
- Nation, Don O., Oklahoma, Okla. Leather-molding machine. No. 1,064,159; June 10; Gaz. vol. 191; p. 374.
- National-Acme Manufacturing Company, The. (See Hunter, Hugh M., assignor.)
- National-Acme Manufacturing Company, The. (See Rindfleisch, Benjamin F., assignor.)
- National-Acme Manufacturing Company, The. (See Smith, Oscar A., assignor.)
- National Aerial Navigation & Equipment Co. (See Schaufler, Fred L., assignor.)
- National Air Filter Company. (See Held, Siegfried, assignor.)
- National Automatic Roll Advertising Company. (See Moscovitz, Samuel B., assignor.)
- National Blank Book Company. (See Elder, Edward H., assignor.)
- National Bottlers Equipment Company. (See Gallup, Rockwell L., assignor.)
- National Brake & Electric Company. (See Aikman, Burton S., assignor.)
- National Carbon Co., The. (See Kerlin, John F., assignor.)
- National Carbon Company. (See Brown, John W., assignor.)
- National Carbon Company. (See Deats and Scott, assignors.)
- National Carbon Company. (See Hinckley, Arthur T., assignor.)
- National Carbon Company. (See Jewett, Elmer B., assignor.)
- National Carbonated Liquid Company. (See Kennedy, Guy L., assignor.)
- National Cash Protector Company. (See Hoffman, Fred, assignor.)
- National Cash Register Co., The. (See Piscicelli, Roberto T., assignor.) (Reissue.)
- National Cash Register Company, The. (See Carroll, Thomas, assignor.)
- National Cash Register Company, The. (See Chambers, William G., assignor.)
- National Cash Register Company, The. (See Church, Edmund S., assignor.)
- National Cash Register Company, The. (See Church, Edmund S., assignor.) (Reissue.)
- National Cash Register Company, The. (See Cleal, Joseph P., assignor.)
- National Cash Register Company, The. (See McCarthy, William M., assignor.)
- National Cash Register Company, The. (See McCormick, John H., assignor.)
- National Cash Register Company, The. (See Muzzy, William H., assignor.)
- National Cash Register Company, The. (See Palmer, Charles, assignor.)
- National Cash Register Company, The. (See Pein, Edward J. von, assignor.)
- National Cash Register Company, The. (See Werner, John A., assignor.)
- National Cash Register Company, The. (See Werner and Green, assignors.)
- National Chain Company. (See Rosenberg, Samuel, assignor.)
- National Clinch Hinge Company. (See Baker, Harvey C., assignor.)
- National Clock & Electric Manufacturing Co. (See Wurmb and Baumann, assignors.)
- National Coning Machinery Company. (See Dill and Marsh, assignors.)
- National Construction Company. (See Paquette, Marshall, assignor.)
- National Coupling Manufacturing Company. (See Hilton, Roland C., assignor.)
- National Dairy Machine Company. (See Stettler, Gottfried, assignor.)
- National Display System. (See Thompson, William H., assignor.)
- National Dump Car Company. (See Morey and Gaetjé, assignors.)
- National Dump Car Company. (See Nelkirk, John O., assignor.)
- National Dump Car Company. (See Otis, Spencer, assignor.)
- National Dump Car Company. (See Otis, Spencer, assignor.) (Reissue.)
- National Dump Car Company. (See Posson, Edward, assignor.)
- National Dump Car Company. (See Seaberg, Frederick, assignor.)
- National Dump Car Company. (See Yost, Winfield H., assignor.)
- National Electric Shoe Shining Machine Company. (See Cook, Andrew A., assignor.)
- National Electric Shoe Shining Machine Company. (See McElhany, Robert R., assignor.)
- National Electric Utilities Corporation. (See Rice, Merritt H., assignor.)
- National Electric Welder Co., The. (See Winfield and Taylor, assignors.)
- National Electric Welder Company, The. (See Taylor, Albertis C., assignor.)
- National Enameling and Stamping Company. (See Knapp, George W., Jr., assignor.)
- National Enameling and Stamping Company. (See Wandt, Charles L., assignor.)
- National Engine and Packing Company. (See Sleigh, Charles F., assignor.)
- National Envelope Sealing and Stamping Manufacturing Company. (See Allen, Fred R., assignor.)
- National Fibre Box Company. (See Walter, Harrison B., assignor.)
- National Fire Proofing Company, The. (See Naylor, Harry B., assignor.)
- National Fire Proofing Company. (See Nickson, Elliott E., assignor.)
- National Fire Proofing Company. (See Raftis, Richard W., assignor.)
- National Gum & Mica Company. (See Alexander, Walter, assignor.)
- National Indicator Company. (See Hutchinson, Job, assignor.)
- National Laundry Machinery Company, The. (See Niederaur and Winfield, assignors.)
- National Lock Company. (See Larson and Hogland, assignors.)
- National Lock Company. (See Thulander, Konstantine, assignor.)
- National Lock Washer Company, The. (See Hoyt, Daniel, assignor.)
- National Lock Washer Company, The. (See Loutrel, Cyrus H., assignor.)
- National Machine Corporation. (See Lilliston, Thomas M., assignor.)
- National Malleable Castings Co., The. (See Case, William, assignor.)
- National Malleable Castings Company, The. (See Bazeley, Arthur J., assignor.)
- National Malleable Castings Company, The. (See Byers, Jacob J., assignor.)
- National Malleable Castings Company, The. (See Coffin, Walter E., assignor.)
- National Malleable Castings Company, The. (See Hermanson, Gustaf A., assignor.)
- National Malleable Castings Company. (See Kittredge, Joseph P., assignor.)
- National Malleable Castings Company, The. (See Krakau, Harry T., assignor.)
- National Malleable Castings Company, The. (See Kranz, William G., assignor.)
- National Malleable Castings Company, The. (See Pope, Henry F., assignor.)
- National Malleable Castings Company, The. (See Schmidt, Ernest H., assignor.)
- National Malleable Castings Company, The. (See Schroeder, William S., assignor.)
- National Malleable Castings Company, The. (See Schultz, Carl J., assignor.)
- National Malleable Castings Company, The. (See Stephenson, John W., assignor.) (Reissue.)
- National Malleable Castings Company, The. (See Stephenson and Wilson, assignors.)
- National Malleable Castings Company, The. (See Willison, John, assignor.)
- National Marine Lamp Company. (See Persky, Frederick, assignor.)
- National Marking Machine Company, The. (See Canine, Chester W., assignor.)
- National Match Company. (See Vaughan, Bernard G., assignor.)
- National Metal Fabric Company, The. (See Clark, Norris E., assignor.)
- National Metal Molding Company. (See Abbott, Chauncey W., assignor.)
- National Metal Molding Company. (See Gilson, Henry R., assignor.)
- National Metal Molding Company. (See Le Manquais, Ernest R., assignor.)
- National Metal Seal Corporation. (See Chellis, Eugene D., assignor.)
- National Piano Company. (See Watson, William A., assignor.)
- National Piano Manufacturing Company. (See Carlson, Karl O., assignor.)
- National Piano Manufacturing Company. (See Kingsley and Carlson, assignors.)
- National Pipe Bending Company. (See Hickey, John, assignor.)
- National Placer Machine Company. (See Bell and Dennison, assignors.)

Alphabetical list of patentees—Continued.

- National Pneumatic Company. (See Gottschalk, Albert, assignor.)
- National Pneumatic Company. (See Rowntree, Harold, assignor.)
- National Police Signal Company. (See Miller, Louis W., assignor.)
- National Purification Company. (See Amos, Richard W., assignor.)
- National Radiator Company. (See Waters, Samuel B., assignor.)
- National Rapid Transit Company. (See Valentine, Walter D., assignor.)
- National Regulator Company. (See Larson, John M., assignor.)
- National Roll Printer Company. (See Lee, Moses W., assignor.)
- National Safety Appliance Company, The. (See Sedgwick, Hiram G., assignor.)
- National Safety Guard Company. (See Fessler, Weaver F., assignor.)
- National Scale Company. (See Culmer, John W., assignor.)
- National Scale Company. (See Ruckes, Michael, assignor.)
- National Sewing Machine Company. (See Atwood, Clarence B., assignor.)
- National Sewing Machine Company. (See Winkel, Christopher, assignor.)
- National Specialty and Development Company. (See Ellis, Thomas H., assignor.)
- National Spring Bed Company, The. (See Arnold, Harry B., assignor.)
- National Spring and Wire Company. (See Raftery, Solomon M., assignor.)
- National Standard Company. (See Bowers and Cook, assignors.)
- National Standard Company. (See Cook, Eugene, assignor.)
- National Steel Housing Company. (See Loehner, John, assignor.)
- National Store Specialty Company. (See Pritchard, William C., assignor.)
- National Street and Station Indicator Company. (See Kellum, Orlando E., assignor.)
- National Street and Station Indicator Company. (See Pace, Edgar J., assignor.)
- National Street and Station Indicator Company. (See Pace and Kellum, assignors.)
- National Sweeper Company. (See Murdick, Everett C., assignor.)
- National Trap Works, The. (See Niebuhr, Wilhelm, assignor.)
- National Trenching Machine Company. (See Craig, Lee D., assignor.)
- National Tube Company, The. (See Hock, John A., assignor.)
- National Tube Company. (See Waterman, Fred W., assignor.)
- National White Cross Milk Company. (See Davis, Jean D., assignor.)
- National Wrapping Machine Company. (See Amidon, William S., assignor.)
- National Wrapping Machine Company. (See Merrell and Amidon, assignors.)
- Nauckhoff, Sigurd A. G., Vinterviken, Liljeholmen, assignor to Nitroglycerin Aktiebolaget, Stockholm, Sweden. Explosive. No. 1,058,891; Apr. 15; Gaz. vol. 189; p. 598.
- Nauckhoff, Sigurd A. G., Vinterviken, Liljeholmen, assignor to Nitroglycerine Aktiebolaget, Stockholm, Sweden. Explosive. No. 1,061,774; May 13; Gaz. vol. 190; p. 450.
- Naucér, Carl J., Falun, Sweden. Apparatus for raising sunken wood or the like. No. 1,060,696; May 6; Gaz. vol. 190; p. 46.
- Naul, James M. (See Shaw and Naul.)
- Naulty, Thomas J., assignor to The J. G. Brill Company, Philadelphia, Pa. Door-operating mechanism for passenger-cars. No. 1,050,680; Jan. 14; Gaz. vol. 186; p. 496.
- Naulty, Thomas J., assignor to The J. G. Brill Company, Philadelphia, Pa. Door-operating mechanism for passenger-cars. No. 1,068,265; July 22; Gaz. vol. 192; p. 910.
- Naulty, Thomas J., assignor to The J. G. Brill Company, Philadelphia, Pa. Door-operating mechanism for passenger-cars. No. 1,068,266; July 22; Gaz. vol. 192; p. 910.
- Naumann, Gotthelf M., Cleveland, Ohio. Brad for fastening window-glass. No. 1,066,646; July 8; Gaz. vol. 192; p. 289.
- Naumann, Justus H., Woodlake, assignor of one-fourth to J. P. Scherf, Balaton, Minn. Transmission-gearing. No. 1,061,554; May 13; Gaz. vol. 190; p. 377.
- Naumann, Wilhelm, Berlin, Germany, assignor to General Electric Company. System of motor control. No. 1,071,778; Sept. 2; Gaz. vol. 194; p. 38.
- Naumburg, Robert E., New York, N. Y. Alinement device for type-writing machines. No. 1,066,749; July 8; Gaz. vol. 192; p. 327.
- Nause, William, Long Island City, N. Y. Penholder-grip. No. 1,066,938; July 8; Gaz. vol. 192; p. 389.
- Nauss, Lee A. and R. J., Greenville, Ohio. Powder-sprayer. No. 1,073,159; Sept. 16; Gaz. vol. 194; p. 580.
- Nauss, Ray J. (See Nauss, Lee A. and R. J.)
- Nauts, Frank A., assignor to Gendron Wheel Co., Toledo, Ohio. Perambulator. No. 1,066,033; July 1; Gaz. vol. 192; p. 45.
- Nauts, Frank A., assignor to Gendron Wheel Company, Toledo, Ohio. Perambulator. No. 1,066,034; July 1; Gaz. vol. 192; p. 46.
- Navarro, Leon D., Los Angeles, Cal. Amusement device. No. 1,056,929; Mar. 25; Gaz. vol. 188; p. 871.
- Naville, Oscar H., Ambia, Ind. Post-hole digger. No. 1,052,506; Feb. 11; Gaz. vol. 187; p. 259.
- Nawiasky, Paul. (See Bohn and Nawiasky.)
- Nawiasky, Paul. (See Isler and Nawiasky.)
- Nawiasky, Paul, assignor to Badische Anilin & Soda Fabrik, Ludwigshafen-on-the-Rhine, Germany. Anthraquinone dyes and making them. No. 1,062,990; May 27; Gaz. vol. 190; p. 937.
- Nay, Roger L., Muskogee, Okla. Bookbinder. No. 1,083,124; Dec. 30; Gaz. vol. 197; p. 1224.
- Naylor, Carl G., and R. R. Robertson, Chicago, Ill. Pipe-riveting machine. No. 1,081,691; Dec. 16; Gaz. vol. 197; p. 671.
- Naylor, Charles A., Jennings, La. Sulky-harrow attachment. No. 1,065,711; June 24; Gaz. vol. 191; p. 968.
- Naylor, George W. (See Geraghty and Naylor.)
- Naylor, Harry B., assignor to The National Fire Proofing Company, Pittsburgh, Pa. Grain-crib. No. 1,061,683; May 13; Gaz. vol. 190; p. 422.
- Naylor, Isaac B., New York, N. Y. Irrigating-conduit. No. 1,078,635; Nov. 18; Gaz. vol. 196; p. 542.
- Naylor, Isaac B., New York, N. Y. Irrigating-conduit. No. 1,078,636; Nov. 18; Gaz. vol. 196; p. 543.
- Naylor, Isaac B., New York, N. Y. Conduit for irrigation. No. 1,078,637; Nov. 18; Gaz. vol. 196; p. 543.
- Naylor, Leslie W. (See McKlveen and Naylor.)
- Naylor, Lester O., assignor of one-half to O. Hauerbach, New York, N. Y. Heater for automobiles. No. 1,069,572; Aug. 5; Gaz. vol. 193; p. 166.
- Naylor, Walter N., Forest Hill, London, and S. P. Hutton, Beckenham, England. Aluminium alloy. No. 1,080,155; Dec. 2; Gaz. vol. 197; p. 83.
- Naylor, Walter N., Forest Hill, London, and S. P. Hutton, Beckenham, England. Aluminium alloy. No. 1,080,156; Dec. 2; Gaz. vol. 197; p. 84.
- Naysmith, Frank M., Columbia, Mo. Chiropactic table. No. 1,079,795; Nov. 25; Gaz. vol. 196; p. 976.
- Nazel, John. (See Bates, Ralph E., assignor.)
- Nazel, John, Philadelphia, Pa. Apparatus for coating articles. No. 1,056,291; Mar. 18; Gaz. vol. 188; p. 621.
- Nazel, John, Philadelphia, Pa., assignor to Sanitary Paper Bottle Company, Wilmington, Del. Tube-winding machine. No. 1,081,510; Dec. 16; Gaz. vol. 197; p. 615.
- Nazel, John, and R. E. Bates, Philadelphia, Pa.; said Bates assignor to said Nazel. Fluid-power hammer. No. 1,051,510; Jan. 28; Gaz. vol. 186; p. 850.
- Neafie, Andrew J., Boonton, N. J. Rail-joint. No. 1,074,972; Oct. 7; Gaz. vol. 195; p. 130.
- Neal, Albert, Center, Ind. Lifting-jack. No. 1,056,439; Mar. 18; Gaz. vol. 188; p. 672.
- Neal, Frances P., North Plainfield, N. J. Range. No. 1,062,991; May 27; Gaz. vol. 190; p. 937.
- Neal, Rufus L., and R. A. Roberson, Mountain View, Okla. Windmill. No. 1,055,942; Mar. 11; Gaz. vol. 188; p. 468.
- Neal, Spencer G., assignor to California Valve and Air Brake Company, Los Angeles, Cal. Triple valve for air-brakes. No. 1,078,303; Nov. 11; Gaz. vol. 196; p. 398.
- Neal, Spencer G., assignor to California Valve and Air Brake Company, Los Angeles, Cal. Triple valve for air-brakes. No. 1,082,758; Dec. 30; Gaz. vol. 197; p. 1102.
- Near-Side Car Company, The. (See Senter and Kling, assignors.)
- Nearing, Frank, New York, N. Y. Rotary engine. No. 1,071,779; Sept. 2; Gaz. vol. 194; p. 39.
- Neary, John J., Douglas, Ariz. Shoe-fastener. No. 1,053,529; Feb. 18; Gaz. vol. 187; p. 654.
- Neary, John W., Saratoga Springs, N. Y. Stamp-affixing machine. No. 1,065,831; June 24; Gaz. vol. 191; p. 1008.
- Neave, Andrew A., assignor to Mesta Machine Company, Pittsburgh, Pa. Rolling-mill. No. 1,056,203; Mar. 18; Gaz. vol. 188; p. 591.
- Nebel, Oscar H., Madison, S. D. Animal-trap. No. 1,083,125; Dec. 30; Gaz. vol. 197; p. 1224.
- Neberle, Julius, Saginaw, Mich. Holder for surface-indicating gages. No. 1,059,948; Apr. 22; Gaz. vol. 189; p. 989.
- Nebinger, Frank M. (See Fulmer and Nebinger.)
- Neckerman, Roy, Pittsburgh, Pa., and O. Foell, Newark, N. J., assignors to Nernst Lamp Company. Holder for glowers. No. 1,067,264; July 15; Gaz. vol. 192; p. 536.
- Neckerman, William M., Youngstown, Ohio. Tapping and reaming head. No. 1,080,119; Dec. 2; Gaz. vol. 197; p. 71.
- Nedbor, Fanny. (See Nedbor, Samuel and F.)

Alphabetical list of patentees—Continued.

- Nedbor, Samuel and F., Cambridge, Mass. Window-shade fixture. No. 1,057,357; Mar. 25; Gaz. vol. 188; p. 1015.
- Nederland, Johan, New York, N. Y. Locket. No. 1,050,224; Jan. 14; Gaz. vol. 186; p. 340.
- Nedomansky, Ludwig, Vienna, Austria-Hungary. Manufacture of stamps. No. 1,077,740; Nov. 4; Gaz. vol. 196; p. 171.
- Needham, George W., Grand River, Iowa. Centering device. No. 1,067,877; July 22; Gaz. vol. 192; p. 777.
- Neeland, Marvin A. (See Gray and Neeland.)
- Neeley, Jesse B. and R. E., Bighill, Ky. Rotary engine. No. 1,075,435; Oct. 14; Gaz. vol. 195; p. 320.
- Neeley, Roy E. (See Neeley, Jesse B. and R. E.)
- Neely Compress & Cotton Company. (See Wood, James N., assignor.)
- Neely and Peacock. (See Silvertrust, Abraham, assignor.)
- Neely, Samuel L., and W. A. Mineo, Edmond, Okla. Safety gas-controller. No. 1,074,132; Sept. 30; Gaz. vol. 194; p. 967.
- Neenan Elevator Company. (See Neenan, Michael E., assignor.)
- Neenan, Michael E., New York, assignor to Neenan Elevator Company, Brooklyn, N. Y. Rope elevator. No. 1,073,700; Sept. 23; Gaz. vol. 194; p. 794.
- Neeper, Alexander M. (See Forsyth, William D., assignor.)
- Neeper, Alexander M., Pittsburgh, Pa. Car-truck side frame. No. 1,053,856; Feb. 18; Gaz. vol. 187; p. 763.
- Neer, Harry M. (See Mitchell and Neer.)
- Nees, Alpheus R. (See Brown and Nees.)
- Nees, William R., Los Angeles, Cal. Cabinet or wall bed. No. 1,079,658; Nov. 25; Gaz. vol. 196; p. 925.
- Neeson, Charles V. (See Kerr and Neeson.)
- Neevel, Jacob B., Kansas City, Mo. Support and tie for concrete-reinforcing. No. 1,068,003; July 22; Gaz. vol. 192; p. 820.
- Neff, Herbert B., assignor to Yawman & Erbe Manufacturing Company, Rochester, N. Y. Filing-pocket. No. 1,064,000; June 10; Gaz. vol. 191; p. 319.
- Neff, Raymond H., Pittsburgh, Pa. Milk-bottle holder. No. 1,078,744; Nov. 18; Gaz. vol. 196; p. 581.
- Negley, Claude E., Indianapolis, Ind. Excavating-machine. No. 1,053,428; Feb. 18; Gaz. vol. 187; p. 619.
- Negraval, Louis A., Jersey City, N. J. Slide for garment-supporters. No. 1,049,757; Jan. 7; Gaz. vol. 186; p. 149.
- Neher, Benjamin P., assignor of one-fourth to J. P. McNichols, Atkinson, Nebr. Newspaper-folding apparatus. No. 1,057,872; Apr. 1; Gaz. vol. 189; p. 164.
- Neher, Noah N., Los Angeles, Cal. Vending-machine. No. 1,072,150; Sept. 2; Gaz. vol. 194; p. 165.
- Nehlsen, Hermann, Berlin, Germany, assignor to General Electric Company. System of transmission. No. 1,079,259; Nov. 18; Gaz. vol. 196; p. 757.
- Neice, George E., and F. W. Marlowe, Mead, Colo.; said Marlowe assignor to said Neice. Door-hanger. No. 1,058,621; Apr. 8; Gaz. vol. 189; p. 464.
- Neider, Fred A., Augusta, Ky. Buckle. No. 1,054,307; Feb. 25; Gaz. vol. 187; p. 954.
- Neider, Fred A., Augusta, Ky. Honing-support for razor-blades. No. 1,054,361; Feb. 25; Gaz. vol. 187; p. 973.
- Neidig Typewriter Co. (See Neidig, William J., assignor.)
- Neidig Typewriter Co. (See Neidig and Stewart, assignors.)
- Neidig, William J., Madison, Wis., assignor, by mesne assignments, to Chicago Title and Trust Company, trustee. Type-writing machine. No. 1,053,919; Feb. 18; Gaz. vol. 187; p. 785.
- Neidig, William J., Madison, Wis., assignor, by mesne assignments, to Chicago Title and Trust Company, trustee. Type-writing machine. No. 1,053,920; Feb. 18; Gaz. vol. 187; p. 785.
- Neidig, William J., Madison, Wis., assignor, by mesne assignments, to Chicago Title and Trust Company, trustee. Type-writing machine. No. 1,053,921; Feb. 18; Gaz. vol. 187; p. 786.
- Neidig, William J., Madison, Wis., assignor, by mesne assignments, to Chicago Title and Trust Company, trustee. Type-writing machine. No. 1,053,922; Feb. 18; Gaz. vol. 187; p. 786.
- Neidig, William J., Madison, Wis., assignor, by mesne assignments, to Chicago Title and Trust Company, trustee. Type-writing machine. No. 1,053,923; Feb. 18; Gaz. vol. 187; p. 787.
- Neidig, William J., Madison, Wis., assignor, by mesne assignments, to Chicago Title and Trust Company, trustee. Type-writing machine. No. 1,053,924; Feb. 18; Gaz. vol. 187; p. 787.
- Neidig, William J., Madison, Wis., assignor, by mesne assignments, to Chicago Title and Trust Company, trustee. Type-writing machine. No. 1,053,925; Feb. 18; Gaz. vol. 187; p. 787.
- Neidig, William J., Madison, Wis., assignor, by mesne assignments, to Chicago Title and Trust Company, trustee. Type-writing machine. No. 1,053,926; Feb. 18; Gaz. vol. 187; p. 788.
- Neidig, William J., Madison, Wis., assignor, by mesne assignments, to Chicago Title and Trust Company, trustee. Type-writing machine. No. 1,053,927; Feb. 18; Gaz. vol. 187; p. 788.
- Neidig, William J., Madison, Wis., assignor to Neidig Typewriter Co., Chicago, Ill. Type-writing machine. No. 1,053,928; Feb. 18; Gaz. vol. 187; p. 788.
- Neidig, William J., Madison, Wis., assignor to Neidig Typewriter Co., Chicago, Ill. Type-writing machine. No. 1,053,929; Feb. 18; Gaz. vol. 187; p. 789.
- Neidig, William J., Madison, Wis., assignor to Neidig Typewriter Co., Chicago, Ill. Type-writing machine. No. 1,053,930; Feb. 18; Gaz. vol. 187; p. 789.
- Neidig, William J., and C. B. Stewart, Madison, Wis., assignors to Neidig Typewriter Co., Chicago, Ill. Type-writing machine. No. 1,071,780; Sept. 2; Gaz. vol. 194; p. 39.
- Neikirk, John O., assignor to National Dump Car Company, Chicago, Ill. Dump-car. No. 1,060,356; Apr. 29; Gaz. vol. 189; p. 1174.
- Neikirk, John O., Morgan Park, assignor to National Dump Car Company, Chicago, Ill. Dumping-door-operating mechanism. No. 1,081,324; Dec. 16; Gaz. vol. 197; p. 552.
- Neil, James M., New York, N. Y. Filtering apparatus. No. 1,051,620; Jan. 28; Gaz. vol. 186; p. 887.
- Neil, John E., Pullman, Wash. Lifting apparatus. No. 1,052,367; Feb. 4; Gaz. vol. 187; p. 177.
- Neilan, Alfred L., Saginaw, Mich. Connecting device for water-tank-valve levers. No. 1,074,734; Oct. 7; Gaz. vol. 195; p. 51.
- Neilan, Edward S. (See Murray and Neilan.)
- Neill, Eugene C., et al. (See Bush, Isaac W., assignor.)
- Neill, John A., Sheridan, Ind. Lantern. No. 1,082,896; Dec. 30; Gaz. vol. 197; p. 1149.
- Neils, William D., Davenport, Iowa. Extension-table. No. 1,054,362; Feb. 25; Gaz. vol. 187; p. 974.
- Neils, William D., Davenport, Iowa. Ironing-board. No. 1,056,204; Mar. 18; Gaz. vol. 188; p. 592.
- Neilsen, Charles E., assignor to C. R. Wilkinson, St. Paul, Minn. Tamping-machine. No. 1,077,544; Nov. 4; Gaz. vol. 196; p. 107.
- Neilsen, Charles W., San Andreas, assignor of one-half to W. A. Dower, Calaveras county, Cal. Pump. No. 1,050,772; Jan. 14; Gaz. vol. 186; p. 527.
- Neilsen, Joe, Leesburg, Va. Portable foldable wardrobe. No. 1,062,845; May 27; Gaz. vol. 190; p. 889.
- Neilson, Christian P. (See Kolby, Larsen, and Neilson.)
- Neilson, John, Larchmont, assignor of one-half to E. N. Robinson, New York, N. Y. Indicator. No. 1,052,686; Feb. 11; Gaz. vol. 187; p. 320.
- Neilson, William, Pittsburgh, Pa. Piling. No. 1,070,833; Aug. 19; Gaz. vol. 193; p. 668.
- Neiman, Alvin B., New York, N. Y. Heat-radiator. No. 1,073,813; Sept. 23; Gaz. vol. 194; p. 831.
- Neiman, Alvin B., New York, N. Y., and A. L. Adams, Montclair, N. J., assignors to The Neiman Manufacturing Co., New York, N. Y. Steam-radiator. No. 1,057,081; Mar. 25; Gaz. vol. 188; p. 922.
- Neiman Manufacturing Co., The. (See Neiman and Adams, assignors.)
- Neiman, Ralph M., Lancaster, Nebr. Music-leaf turner. No. 1,059,901; Apr. 22; Gaz. vol. 189; p. 973.
- Neisvanger, Clyde L., Bladen, Nebr. Grain-chute. No. 1,050,983; Jan. 21; Gaz. vol. 186; p. 638.
- Neiswender, Charles A., Topeka, Kans. Writing device. No. 1,064,160; June 10; Gaz. vol. 191; p. 374.
- Neitro, Albert W., Seattle, Wash. Electrotherapeutical apparatus. No. 1,051,349; Jan. 21; Gaz. vol. 186; p. 761.
- Nekarda, Mabel D., New York, N. Y., assignor to Auto-Pneumatic Swimming Belt, Inc. Swimming and life-preserving belt. No. 1,066,217; July 1; Gaz. vol. 192; p. 112.
- Nelk, Carl N., Palo Alto, Cal. Pipe-wrench attachment for monkey-wrenches. No. 1,077,964; Nov. 4; Gaz. vol. 196; p. 249.
- Neller, Albert H., assignor to Loudon Machinery Company, Fairfield, Iowa. Wire-straightener. No. 1,054,022; Feb. 25; Gaz. vol. 187; p. 857.
- Neller, Albert H., assignor to Loudon Machinery Company, Fairfield, Iowa. Cattle-stall. No. 1,062,295; May 20; Gaz. vol. 190; p. 667.
- Neller, Albert H., assignor to Loudon Machinery Company, Fairfield, Iowa. Cattle-stall. No. 1,072,352; Sept. 2; Gaz. vol. 194; p. 230.
- Nelson, A. Frank, et al. (See Carlson, Carl A., assignor.)
- Nelson, Al, Ripley, Tenn. Oiling attachment for the axles of resilient wheels. No. 1,076,513; Oct. 21; Gaz. vol. 195; p. 718.
- Nelson, Allan C., Flushing, N. Y. Gun. No. 1,049,592; Jan. 7; Gaz. vol. 186; p. 95.
- Nelson, Andrew, Portland, Oreg. Steam-boiler-feeding device. No. 1,055,185; Mar. 11; Gaz. vol. 188; p. 316.
- Nelson, Anton R., Janesville, Cal. Automatic battery cut-out for telephone-circuits. No. 1,072,400; Sept. 2; Gaz. vol. 194; p. 248.
- Nelson, Arthur W., assignor to Hermance Machine Company, Williamsport, Pa. Automatic side dresser for circular saws. No. 1,051,153; Jan. 21; Gaz. vol. 186; p. 696.
- Nelson, Carl. (See Anderson and Nelson.)
- Nelson, Carl L., Seattle, Wash. Calculating-machine. No. 1,052,437; Feb. 4; Gaz. vol. 187; p. 203.

Alphabetical list of patentees—Continued.

- Nelson, Charles. (See Sternau and Nelson.)
 Nelson, Charles, St. Louis, Mo. Ice-cream cabinet. No. 1,069,071; July 29; Gaz. vol. 192; p. 1227.
 Nelson, Charles, Brooklyn, assignor to S. Sternau & Company, New York, N. Y. Coffee-machine. No. 1,054,234; Feb. 25; Gaz. vol. 187; p. 930.
 Nelson, Charles, Brooklyn, assignor to S. Sternau & Co., New York, N. Y. Alcohol-lamp. No. 1,056,047; Mar. 18; Gaz. vol. 188; p. 538.
 Nelson, Charles, assignor to S. Sternau & Company, Brooklyn, N. Y. Coffee-machine. No. 1,056,048; Mar. 18; Gaz. vol. 188; p. 539.
 Nelson, Charles, Brooklyn, assignor to S. Sternau & Co., New York, N. Y. Coffee-machine. No. 1,057,764; Apr. 1; Gaz. vol. 189; p. 124.
 Nelson, Charles, assignor to S. Sternau & Co., Brooklyn, N. Y. Wick-tube for alcohol-lamps. No. 1,077,364; Nov. 4; Gaz. vol. 196; p. 43.
 Nelson, Charles, Brooklyn, assignor to S. Sternau & Co., New York, N. Y. Coffee-machine. No. 1,080,774; Dec. 9; Gaz. vol. 197; p. 329.
 Nelson, Charles, Brooklyn, assignor to S. Sternau & Company, New York, N. Y. Support for culinary articles. No. 1,080,775; Dec. 9; Gaz. vol. 197; p. 330.
 Nelson, Charles, New York, assignor to S. Sternau & Co., Brooklyn, N. Y. Coffee-machine. No. 1,056,049; Mar. 18; Gaz. vol. 188; p. 539.
 Nelson, Charles, New York, assignor to S. Sternau & Company, Brooklyn, N. Y. Trivet. No. 1,061,319; May 13; Gaz. vol. 190; p. 295.
 Nelson, Charles, and W. G. Barker, New York, assignors to S. Sternau & Company, Brooklyn, N. Y. Alcohol-lamp. No. 1,061,318; May 13; Gaz. vol. 190; p. 295.
 Nelson, Charles A., assignor to Savage Arms Company, Utica, N. Y. Firearm. No. 1,080,364; Dec. 2; Gaz. vol. 197; p. 158.
 Nelson, Charles A., assignor to Savage Arms Company, Utica, N. Y. Firearm. No. 1,082,969; Dec. 30; Gaz. vol. 197; p. 1175.
 Nelson, Charles B., Lindsborg, Kans. Tightener. No. 1,063,721; June 3; Gaz. vol. 191; p. 192.
 Nelson, Charles C., assignor of one-half to W. Matteson, Bay City, Mich. Door-hanger. No. 1,073,509; Sept. 16; Gaz. vol. 194; p. 703.
 Nelson, Daniel R., Redlands, Cal. Saw. No. 1,081,135; Dec. 9; Gaz. vol. 197; p. 449.
 Nelson, De Witt C., assignor of one-half to J. H. Nichols, Dallas, Tex. Cotton-saw gummer. No. 1,072,353; Sept. 2; Gaz. vol. 194; p. 231.
 Nelson, Edmund B. (See Jones, Alva D., assignor.)
 Nelson, Edward A., *et al.* (See Carlson, Carl A., assignor.)
 Nelson, Emil, Portland, Oreg. Nozzle-holder. No. 1,058,090; Apr. 8; Gaz. vol. 189; p. 282.
 Nelson, Emil A., assignor to Hupp Motor Car Company, Detroit, Mich. Control mechanism for motor-vehicles. No. 1,050,984; Jan. 21; Gaz. vol. 186; p. 638.
 Nelson, Emil A., assignor to Hupp Motor Car Company, Detroit, Mich. Engine-lubricator. No. 1,050,985; Jan. 21; Gaz. vol. 186; p. 639.
 Nelson, Emil A., assignor to Hupp Motor Car Company, Detroit, Mich. Bearing-adjusting means for axles. No. 1,050,986; Jan. 21; Gaz. vol. 186; p. 639.
 Nelson, Emil A., assignor to Hupp Motor Car Company, Detroit, Mich. Engine and magneto assembly. No. 1,071,781; Sept. 2; Gaz. vol. 194; p. 39.
 Nelson, Emil V., Scandia, Kans. Pen-point releaser. No. 1,054,931; Mar. 4; Gaz. vol. 188; p. 94.
 Nelson, Emma B., Vernon Center, Minn. Hay or straw spear. No. 1,071,947; Sept. 2; Gaz. vol. 194; p. 95.
 Nelson, Frank A., Minneapolis, Minn., and H. E. Gilham, assignors to F. H. Lysons, trustee, Seattle, Wash. Car-fender. No. 1,068,918; July 29; Gaz. vol. 192; p. 1176.
 Nelson, Frank A., Minneapolis, Minn., and H. E. Gilham, assignors to F. H. Lysons, trustee, Seattle, Wash. Controlling-valve for fluid-pressure-operated fenders. No. 1,068,919; July 29; Gaz. vol. 192; p. 1177.
 Nelson, Frank A., Minneapolis, Minn., and E. T. Flateboe, assignors, by mesne assignments, to American Safety Fender Company, Seattle, Wash. Car-fender. No. 1,069,023; July 29; Gaz. vol. 192; p. 1211.
 Nelson, Frank W., Chicago, Ill. Pneumatic-carrier system. No. 1,074,890; Oct. 7; Gaz. vol. 195; p. 102.
 Nelson, Fredrick F., Ashland, Oreg. Magazine-hammer. No. 1,052,363; Feb. 4; Gaz. vol. 187; p. 177.
 Nelson, George N., *et al.* (See Crane, Frank R., Jr., assignor.)
 Nelson, George W., Plentywood, Mont., assignor of one-half to O. Johnson, Minot, N. D. Washing-machine. No. 1,053,208; Feb. 18; Gaz. vol. 187; p. 542.
 Nelson, Henry J., T. W. Black, and O. Zapfe, Green Bay, Wis. Floor-surfacing machine. No. 1,069,803; Aug. 12; Gaz. vol. 193; p. 276.
 Nelson, James D., Cincinnati, Ohio. Automatic alarm and signal device. No. 1,060,781; May 6; Gaz. vol. 190; p. 74.
 Nelson, John, Hattiesburg, Miss. Combined sash-holder and shade-support. No. 1,053,622; Apr. 8; Gaz. vol. 189; p. 464.
 Nelson, John A., Davenport, Iowa. Automatic gas-lighter. No. 1,065,961; July 1; Gaz. vol. 192; p. 20.
 Nelson, John H., Portland, Oreg. Live-bait tie. No. 1,062,726; May 27; Gaz. vol. 190; p. 849.
 Nelson, John W., Hutchinson, Kans. Watering-tank. No. 1,062,792; May 27; Gaz. vol. 190; p. 872.
 Nelson, Joseph, Arlington, Wash. Bow-rest. No. 1,068,808; July 29; Gaz. vol. 192; p. 1137.
 Nelson, Leon D. (See Jacobs, Charles F., assignor.)
 Nelson, Lewen R., Peoria, Ill. Hose-connector. No. 1,051,621; Jan. 28; Gaz. vol. 186; p. 888.
 Nelson, Lewen R., Peoria, assignor, by mesne assignments, to Nickerson Wall Paper Exhibitor Co., Fairbury, Ill. Display-rack. No. 1,061,001; May 6; Gaz. vol. 190; p. 153.
 Nelson, Martin W., Harlem, Mont. Fountain blacking-brush. No. 1,074,522; Sept. 30; Gaz. vol. 194; p. 1095.
 Nelson, Morris M., Los Angeles, Cal. Folding bed. No. 1,068,523; July 29; Gaz. vol. 192; p. 1037.
 Nelson, N. P., *et al.* (See Nordlund, Oscar A., assignor.)
 Nelson, Nels, St. Paul, Minn. Hand-car. No. 1,074,523; Sept. 30; Gaz. vol. 194; p. 1095.
 Nelson, Nels H., Willmar, Minn. Traction-engine. No. 1,061,684; May 13; Gaz. vol. 190; p. 422.
 Nelson, Nicholas R. (See Fischer and Nelson.)
 Nelson, Oscar. (See Deming, Joseph H., assignor.)
 Nelson, Oscar, Chicago, Ill. Spool for perforated music-sheets. No. 1,080,229; Dec. 2; Gaz. vol. 197; p. 109.
 Nelson, Oscar T. (See Rollings, Sweeney, Nelson, and Trentham.)
 Nelson, Peter, Chicago, Ill. Peeling-knife. No. 1,049,515; Jan. 7; Gaz. vol. 186; p. 66.
 Nelson, Reynold G. (See Nelson, Victor E. and R. G.)
 Nelson, Richard, Chicago, Ill. Stocking-darner. No. 1,055,783; Mar. 11; Gaz. vol. 188; p. 416.
 Nelson, Sigrid T. A., Chicago, Ill. Electric candle. No. 1,060,278; Apr. 29; Gaz. vol. 189; p. 1146.
 Nelson, Thomas A., Chicago, Ill. Valve. No. 1,050,225; Jan. 14; Gaz. vol. 186; p. 341.
 Nelson, Victor C. G., Chicago, Ill. Compound for treating plastic objects. No. 1,051,907; Feb. 4; Gaz. vol. 187; p. 20.
 Nelson, Victor E. and R. G., assignors of forty-nine one-hundredths to A. F. Harrow and fifty-one one-hundredths to V. E. Nelson, Detroit, Mich. Metallic packing. No. 1,068,157; July 22; Gaz. vol. 192; p. 872.
 Nelson, Walter F., Exira, Iowa. Cushioned automobile-wheel. No. 1,052,009; Feb. 4; Gaz. vol. 187; p. 57.
 Nelson, William, and J. W. Ruggaber, assignors to Racine Electric Company, Racine, Wis. Attachment for electric fans and the like. No. 1,064,524; June 10; Gaz. vol. 191; p. 498.
 Nelson, William J., assignor to H. E. A. Olson, Rockford, Ill. Ironing-board. No. 1,073,814; Sept. 23; Gaz. vol. 194; p. 831.
 Nelson, William L., Boss, Mo. Automatic parcel-carrier. No. 1,075,371; Oct. 14; Gaz. vol. 195; p. 297.
 Nelson, William L., Boss, Mo. Derailment-guard. No. 1,075,600; Oct. 14; Gaz. vol. 195; p. 377.
 Nelson, William O., Baltimore, Md. Speedometer. No. 1,052,369; Feb. 4; Gaz. vol. 187; p. 178.
 Nelson, William T., Dayton, Ohio. Saw-filing machine. No. 1,080,921; Dec. 9; Gaz. vol. 197; p. 381.
 Nemece, Joseph, Cameron, Tex. Hydrocarbon-burner. No. 1,059,383; Apr. 22; Gaz. vol. 189; p. 803.
 Nemeth, Joseph, St. Louis, Mo. Hat-pin guard. No. 1,074,735; Oct. 7; Gaz. vol. 195; p. 51.
 Nemmert, Max, and G. Schnabel, Hamilton, Ontario, Canada. Electrical thermostat. No. 1,049,516; Jan. 7; Gaz. vol. 186; p. 66.
 Neresheimer, Heinrich, assignor to Badische Anilin & Soda Fabrik, Ludwigshafen-on-the-Rhine, Germany. Vat dye of the anthraquinone series. No. 1,052,507; Feb. 11; Gaz. vol. 187; p. 260.
 Nernst Lamp Company. (See Neckerman and Foell, assignors.)
 Nernst Lamp Company. (See Nernst, Walther, assignor.)
 Nernst Lamp Company. (See Wilbur, Samuel P., assignor.)
 Nernst, Walther, Gottingen, Germany, assignor, by mesne assignments, to Nernst Lamp Company, Pittsburgh, Pa. Electric glow-lamp. No. 1,071,649; Aug. 26; Gaz. vol. 193; p. 973.
 Nesdall, John T. (See Rendle and Nesdall.)
 Nesdall, John T., New York, N. Y., assignor to H. L. Johnstone, Glen Ridge, N. J. Metallic stair structure. No. 1,075,156; Oct. 7; Gaz. vol. 195; p. 195.
 Ness, Horatio N., assignor of one-third to R. B. Adam and one-third to M. Benson, Buffalo, N. Y. Curtain-hanger. No. 1,055,784; Mar. 11; Gaz. vol. 188; p. 416.
 Nessler, Charles, London, England. Apparatus for waving natural hair on the head. No. 1,052,166; Feb. 4; Gaz. vol. 187; p. 112.
 Nessler, Charles, London, England. Waving natural hair on the head. No. 1,052,167; Feb. 4; Gaz. vol. 187; p. 113.
 Nester, Joseph. (See Bergen, Frank, assignor.)
 Nestor, French, Elkins, W. Va. Cooking utensil. No. 1,061,555; May 13; Gaz. vol. 190; p. 377.

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- Neswold, John, St. Paul, Minn. Reversible-gear driving mechanism. No. 1,052,010; Feb. 4; Gaz. vol. 187; p. 57.
- Nett, Frank W. (See Nett, Fred H. and F. W.)
- Nett, Fred H. and F. W., Rialto, Cal. Traction-engine. No. 1,061,104; May 6; Gaz. vol. 190; p. 186.
- Nettenstrom, David, assignor of one-half to C. H. Eder, Chicago, Ill. Power-transmission mechanism. No. 1,056,292; Mar. 18; Gaz. vol. 188; p. 622.
- Nettle, John F., Butte, Mont. Rotary engine. No. 1,066,309; July 1; Gaz. vol. 192; p. 145.
- Neu, Henri J. E. (See Kestner and Neu.)
- Neuberger, John, and J. F. Hines, Cleveland, Ohio. Shade and curtain-pole support. No. 1,074,973; Oct. 7; Gaz. vol. 195; p. 130.
- Neubert, Armin L. (See Nygaard, Thomas, assignor.)
- Neudörffer, Emil, Stuttgart, Germany. Electric pocket-lamp. No. 1,074,376; Sept. 30; Gaz. vol. 194; p. 1048.
- Neudörffer, Emil, Stuttgart, Germany. Electric pocket-lamp. No. 1,074,377; Sept. 30; Gaz. vol. 194; p. 1049.
- Neugebauer, Kunibert H., Hoboken, N. J. Disappearing caster. No. 1,064,244; June 10; Gaz. vol. 191; p. 402.
- Neuhaus, Hermann, Wolfratshausen, near Munich, Germany. Apparatus for the production of stereoscopic pictures. No. 1,074,284; Sept. 30; Gaz. vol. 194; p. 1018.
- Neukirchen, Peter, assignor to I. Heidenreich, Chicago, Ill. Cigar-lighter. No. 1,064,986; June 17; Gaz. vol. 191; p. 687.
- Neumann, Fredrick M., Milwaukee, Wis. Bracket. No. 1,067,937; July 22; Gaz. vol. 192; p. 797.
- Neumann, Henry, Anderson, Ind. Washing-machine. No. 1,051,622; Jan. 28; Gaz. vol. 186; p. 883.
- Neumann, Louis, Hagen, assignor of one-half to W. Wippermann, Jr., Westphalia, Germany. Feeding device for metal-punching machines. No. 1,053,209; Feb. 18; Gaz. vol. 187; p. 543.
- Neumann, Tobias B., *et al.* (See Christopher, James H., assignor.)
- Neumann, Walter. (See Braun, Luithlen, and Neumann.)
- Neumayer, Frederick W., Baltimore, Md., assignor to Mergenthaler Linotype Company. Line-casting machine. No. 1,072,765; Sept. 9; Gaz. vol. 194; p. 403.
- Neuschuez, Andrew J. (See Johnson, Thomas W., assignor.)
- Neustaedter, John, Valley City, N. D. Tool-chest handle. No. 1,074,133; Sept. 30; Gaz. vol. 194; p. 968.
- Neva-Slip Shirt Waist Grip Co. (See Crawford, Guy H., assignor.)
- Nevanas, Harold H., assignor to The United Gas Improvement Company, Philadelphia, Pa. Refractory tile and plug fitting. No. 1,080,715; Dec. 9; Gaz. vol. 197; p. 307.
- Nevers, John R., Gulfport, Miss. Hydraulic motor. No. 1,058,785; Apr. 15; Gaz. vol. 189; p. 559.
- Neveu, Frank A., Denver, Colo. Elbow pipe-joint. No. 1,077,741; Nov. 4; Gaz. vol. 196; p. 171.
- Nevill, David J., Denver, Colo. Conveyor or stirrer. No. 1,067,365; July 15; Gaz. vol. 192; p. 571.
- Neville, Daniel D., Kansas City, assignor to The Kansas City Bolt & Nut Co., Sheffield, Mo. Pull-rod clamp. No. 1,073,776; Sept. 23; Gaz. vol. 194; p. 819.
- Nevin, Robert C., Lansing, Mich. Boring-tool. No. 1,059,335; Apr. 15; Gaz. vol. 189; p. 749.
- Nevins, Frank M., *et al.* (See Bills, Leroy F., assignor.)
- Nevins, Thomas A., *et al.* (See Harper, William, Jr., assignor.)
- Nevius, Marvin J., Burlington, Iowa, and J. H. Wilkins, Washington, D. C. Page-clamp. No. 1,062,659; May 27; Gaz. vol. 190; p. 828.
- New Britain Machine Company, The. (See Brown, Robert S., assignor.)
- New Burlingame Telegraphing Typewriter Company. (See Rae, Frank B., assignor.)
- New Columbia Shirt Company. (See Binswanger, Samuel, assignor.)
- New Departure Manufacturing Company, The. (See Copeland, James S., assignor.)
- New Departure Manufacturing Company. (See Fefel, John E., assignor.)
- New Departure Manufacturing Company, The. (See Rockwell, Albert F., assignor.)
- New England Electric Company, The. (See Caine, James C., assignor.)
- New England Electric Company, The. (See Fisher, James C., assignor.)
- New England Electro-Chemical Metals Company. (See Titus and Barendseer, assignors.)
- New England Metal & Machine Company. (See Hilliard, John D., assignor.)
- New Hartford Cotton Manufacturing Company. (See Steber, Bernard T., assignor.) (Reissue.)
- New Haven Clock Co. (See Porter, Wilson E., assignor.)
- New Idea Spreader Company. (See Synck, Henry, assignor.)
- New Ideas Manufacturing Company. (See Dietz, Paul, assignor.)
- New Jersey Patent Company. (See Aylsworth, Jonas W., assignor.)
- New Jersey Patent Company. (See Dyer, Frank L., assignor.)
- New Jersey Patent Company. (See Edison, Thomas A., assignor.)
- New Jersey Patent Company. (See Oliver, Henry T., assignor.)
- New Jersey Patent Company. (See Saltzman, Auguste L., assignor.)
- New Jersey Patent Company. (See Weber, Peter, assignor.)
- New Jersey Testing Laboratories. (See Ellis, Carleton, assignor.)
- New Jersey Zinc Company, The. (See Sinn and Pierce, assignors.)
- New-Metals and Process Company. (See Gleason, Edward D., assignor.)
- New-Miller Manufacturing Company. (See Miller, Harry A., assignor.)
- New Process Specialty Company. (See Wheelock, Carl M., assignor.)
- New Process Varnish Company. (See Schlueter and Zimmermann, assignors.)
- "New-Way" Motor Co., The. (See Bailey, Curtis L., assignor.)
- New York Adding Typewriter Company. (See Thornton, John N., assignor.)
- New York Air Brake Company. (See Bickel, Henry F., assignor.)
- New York Air Brake Company, The. (See Bickel and Hammond, assignors.)
- New York Bottlers' Supplies Mfg. Co. (See Schultz, John A., Jr., assignor.)
- New York Bridge & Iron Company. (See Rendle and Nesdall, assignors.)
- New York Cigarette Machine Company, The. (See Hemming, Daniel, assignor.)
- New York Couch Bed Co. (See Sisbower, George F., assignor.)
- New York Couch Bed Company. (See Pittoni, Louis E., assignor.)
- New York Engineering Company. (See Ludlum, Albert C., assignor.)
- New York Stamping Company. (See Wojidkow, Louis, assignor.)
- New York Steel Railway Tie Company. (See Hyle, Jacob A., assignor.)
- Newark Wrapping Machine Co. (See Hohl, George I., assignor.)
- Newberry, Spencer B., and H. N. Barrett, Baybridge, Ohio. Making fertilizer. No. 1,074,808; Oct. 7; Gaz. vol. 195; p. 75.
- Newbold, Eugene S., assignor to American Street Lighting Company, Baltimore, Md. Incandescing-mantle gasoline-lamp. No. 1,072,354; Sept. 2; Gaz. vol. 194; p. 231.
- Newburg, Henry D., La Crosse, Wis. Rotary engine. No. 1,065,962; July 1; Gaz. vol. 192; p. 20.
- Newby, Ellsberry and W., Reedley, Cal. Ink-well. No. 1,060,782; May 6; Gaz. vol. 190; p. 74.
- Newby, Warner. (See Newby, Ellsberry and W.)
- Newcomb, Edward A. (See Mitchell, Richard S. M., assignor.)
- Newcomb, Nate, Aberdeen, Idaho. Swivel. No. 1,058,325; Apr. 8; Gaz. vol. 189; p. 365.
- Newcombe, Robert W., London, England. Wall-covering in imitation of real tapestry. No. 1,053,429; Feb. 18; Gaz. vol. 187; p. 620.
- Newcomer, Stella B., (Sites.) Angleton, Tex. Flour sifter and mixer. No. 1,067,366; July 15; Gaz. vol. 192; p. 571.
- Newell, Alfred T., Birmingham, Ala. Road-scraper. No. 1,056,930; Mar. 25; Gaz. vol. 188; p. 872.
- Newell, Emerson R., New York, N. Y., and A. D. Somers, assignors to The C. J. Root Company, Bristol, Conn. Resetting counter. No. 1,054,363; Feb. 25; Gaz. vol. 187; p. 974.
- Newell, Frank C., Jr., Los Angeles, Cal. Transmutable display apparatus. No. 1,052,744; Feb. 11; Gaz. vol. 187; p. 337.
- Newell, Frank C., Jr., Los Angeles, Cal. Mutable publicity apparatus. No. 1,069,895; Aug. 12; Gaz. vol. 193; p. 308.
- Newell, George A., assignor to H. Lawson, Buffalo, N. Y. Crutch. No. 1,061,397; May 13; Gaz. vol. 190; p. 320.
- Newell, Greene E., Houston, Tex. Shock-absorber. No. 1,067,130; July 8; Gaz. vol. 192; p. 453.
- Newell, Henry G., Le Raysville, Pa. Protector for telegraph and telephone cross-arms and pins. No. 1,065,068; June 17; Gaz. vol. 191; p. 714.
- Newerf, Nicholas C. (See Kluck, Ernest M., assignor.)
- Newerf, Nicholas C., Buffalo, N. Y. Mail-bag. No. 1,060,697; May 6; Gaz. vol. 190; p. 46.
- Newforth, Frank, Jr., assignor to Automatic Electric Company, Chicago, Ill. Automatic telephone system. No. 1,078,690; Nov. 18; Gaz. vol. 196; p. 561.
- Newhall, Daniel A. (See Faris and Newhall.)
- Newhall, Henry B. (See Pleister, Henry W., assignor.)
- Newhall, Henry B. (See Upson and Pleister, assignors.)

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- Newhall, Henry B., Jr., Plainfield, and H. W. Pleister, Westfield, N. J.; said Pleister assignor to H. B. Newhall, Sr. Bolt-anchor. No. 1,057,975; Apr. 1; Gaz. vol. 189; p. 198.
- Newhall, Henry B., Jr., Plainfield, and H. W. Pleister, Westfield, assignors to H. B. Newhall, Plainfield, N. J. One-part expansion-shield. No. 1,062,992; May 27; Gaz. vol. 190; p. 938.
- Newhall, Henry B., Jr., Plainfield, and H. W. Pleister, Westfield, assignors to H. B. Newhall, Plainfield, N. J. Two-part expansion-shield. No. 1,062,993; May 27; Gaz. vol. 190; p. 938.
- Newhall, Henry B., Sr. (See Newhall and Pleister, assignors.)
- Newhouse, Jacob, Brownville, Minn. Wheel attachment. No. 1,082,897; Dec. 30; Gaz. vol. 197; p. 1150.
- Newhouse, Ray C., assignor to Allis-Chalmers Company, Milwaukee, Wis. Crusher. No. 1,065,332; June 17; Gaz. vol. 191; p. 801.
- Newhouse, Ray C., assignor to Allis-Chalmers Company, Milwaukee, Wis. Crusher. No. 1,066,218; July 1; Gaz. vol. 192; p. 112.
- Newitt, Edward J. D., *et al.* (See Ommundsen, Harcourt, assignor.)
- Newkirk, Burt L., and O. S. Zelner, Minneapolis, Minn. Gyroscopic exercising device. No. 1,058,786; Apr. 15; Gaz. vol. 189; p. 559.
- Newkirk, John J., Chihuahua, Mexico. Spring. No. 1,064,161; June 10; Gaz. vol. 191; p. 374.
- Newkirk, Perry B., Portland, Oreg., assignor, by mesne assignments, to The Hugro Manufacturing Company. Vacuum-cleaner. No. 1,082,356; Dec. 23; Gaz. vol. 197; p. 931.
- Newland, William J., Omaha, Nebr. Rotatable heel-lift. No. 1,052,508; Feb. 11; Gaz. vol. 187; p. 260.
- Newlin, Frank, Fremont, Mich. Coupling. No. 1,070,165; Aug. 12; Gaz. vol. 193; p. 400.
- Newlon, John M., Vienna, Va. Collar-button buttoner. No. 1,073,815; Sept. 23; Gaz. vol. 194; p. 831.
- Newman Bros. Co. (See Anderson, Harry J., assignor.)
- Newman, Daisy, *et al.* (See Martin, William H., assignor.)
- Newman, Edmund W., Ashland, Va. Shock-absorber. No. 1,078,060; Nov. 11; Gaz. vol. 196; p. 313.
- Newman, Ernest A., Woburn, Mass. Radiator. No. 1,072,637; Sept. 9; Gaz. vol. 194; p. 359.
- Newman, Horatio H., Sandersville, Ga. Two-cycle explosive-engine. No. 1,072,766; Sept. 9; Gaz. vol. 194; p. 403.
- Newman, Isaac M., Hewins, Kans. Molding-machine. No. 1,081,399; Dec. 16; Gaz. vol. 197; p. 577.
- Newman, Jesse F., Shanghai, China. Manufacture of parched-rice breakfast food. No. 1,056,931; Mar. 25; Gaz. vol. 188; p. 872.
- Newman, John G., Moore Park, near Sydney, New South Wales, Australia. Spark igniting device for gas and oil engines. No. 1,055,349; Mar. 11; Gaz. vol. 188; p. 270.
- Newman, Morris. (See Zukor, Arnold, assignor.)
- Newman, Samuel, New York, N. Y. Tooth-measuring instrument. No. 1,061,398; May 13; Gaz. vol. 190; p. 321.
- Newman, Samuel J. (See McConnell, Harry, assignor.)
- Newman, Samuel S. (See Wagner, Michael, assignor.)
- Newpher, Alfred H., Chicago, Ill., assignor to The Adams & Westlake Company. Window. No. 1,067,265; July 15; Gaz. vol. 192; p. 536.
- Newpher, Alfred H., Chicago, Ill., assignor to The Adams & Westlake Company. Window sash and casing. No. 1,067,266; July 15; Gaz. vol. 192; p. 536.
- Newpher, Alfred H., assignor to The Adams & Westlake Company, Chicago, Ill. Window-guard. No. 1,067,267; July 15; Gaz. vol. 192; p. 537.
- Newpher, Alfred H., Chicago, Ill., assignor to The Adams & Westlake Company. Window-sash and weather-guard therefor. No. 1,070,718; Aug. 19; Gaz. vol. 193; p. 629.
- Newpher, Alfred H., Chicago, Ill., assignor to The Adams & Westlake Company. Door. No. 1,073,160; Sept. 16; Gaz. vol. 194; p. 580.
- Newpher, Alfred H., Chicago, Ill., assignor to The Adams & Westlake Company. Weather-guard for windows. No. 1,081,692; Dec. 16; Gaz. vol. 197; p. 672.
- Newport, Charles F., Chicago, Ill. Water heater or boiler. No. 1,068,694; July 29; Gaz. vol. 192; p. 1096.
- Newport, Charles F., Chicago, Ill. Damper mechanism for water heaters or boilers. No. 1,068,809; July 29; Gaz. vol. 192; p. 1138.
- Newport, Charles F., Chicago, Ill. Water-heater. No. 1,068,810; July 29; Gaz. vol. 192; p. 1138.
- Newport, Charles F., Chicago, Ill. Furnace-grate. No. 1,068,811; July 29; Gaz. vol. 192; p. 1139.
- Newsome, Dempsey G., Butler, Mo. Airship. No. 1,082,039; Dec. 23; Gaz. vol. 197; p. 820.
- Newton, Arthur J., Chicago, Ill. Chain tightener and lock. No. 1,068,524; July 29; Gaz. vol. 192; p. 1037.
- Newton, Charles, Buffalo, N. Y. Powder and propellant for use in firearms. No. 1,074,809; Oct. 7; Gaz. vol. 195; p. 75.
- Newton, Charles H., East Orange, and E. S. Canfield, Newark, N. J., assignors, by mesne assignments, to Standard Company, Torrington, Conn. Silencer for engines. No. 1,061,775; May 13; Gaz. vol. 190; p. 450.
- Newton, Dimond C., assignor of one-half to M. Lindeman, Owego, N. Y. Safety and signaling device for railways. No. 1,073,510; Sept. 16; Gaz. vol. 194; p. 703.
- Newton, Fayette C., West Springfield, Mass., assignor to The Hart & Hegeman Manufacturing Company, Hartford, Conn. Electric switch. No. 1,060,207; Apr. 29; Gaz. vol. 189; p. 1120.
- Newton, George, Odessa, N. Y. Roofing. No. 1,061,685; May 13; Gaz. vol. 190; p. 423.
- Newton, George H., assignor to Brown & Sharpe Manufacturing Company, Providence, R. I. Screw-machine. No. 1,066,035; July 1; Gaz. vol. 192; p. 46.
- Newton, George H., assignor to Brown & Sharpe Manufacturing Company, Providence, R. I. Screw-machine. No. 1,066,036; July 1; Gaz. vol. 192; p. 46.
- Newton, Linnaeus S., Council Bluffs, Iowa. Lock. No. 1,060,484; Apr. 29; Gaz. vol. 189; p. 1219.
- Newton Machine Tool Works. (See Meyers, Max, assignor.)
- Newton, Marvin G., assignor of one-half to J. M. Edwards, Austin, Tex. Copy-holder. No. 1,052,614; Feb. 11; Gaz. vol. 187; p. 296.
- Newton, Otis C., Huntington, W. Va. Track-sanding device. No. 1,068,602; July 29; Gaz. vol. 192; p. 1064.
- Newton, William A., Cabool, Mo. Paving and making the same. No. 1,069,644; Aug. 5; Gaz. vol. 193; p. 191.
- Newton, William G., assignor to The Peck Bros. & Co., New Haven, Conn. Mixing-valve. No. 1,071,454; Aug. 26; Gaz. vol. 193; p. 908.
- Newton, William H., Marion, S. C. Mail-bag catching and delivering mechanism. No. 1,063,580; June 3; Gaz. vol. 191; p. 139.
- Newton, William H., Marion, S. C. Mail-bag catching and delivering mechanism. No. 1,066,137; July 1; Gaz. vol. 192; p. 82.
- Newton, William J., Lynbrook, N. Y., assignor to Metropolitan Electric Mfg. Co. Flush receptacle. No. 1,060,011; Apr. 29; Gaz. vol. 189; p. 1055.
- Newton, Willis E., Tacoma, Wash. Bicycle-frame. No. 1,056,573; Mar. 18; Gaz. vol. 188; p. 720.
- Newton, Willis E., Tacoma, Wash. Lamp-bracket for motor-cycles. No. 1,056,574; Mar. 18; Gaz. vol. 188; p. 720.
- Ney Manufacturing Company, The. (See Miller and Rowland, assignors.)
- Ney Manufacturing Company, The. (See Pfouts, Leroy S., assignor.)
- Ney Manufacturing Company, The. (See Rowland, David E., assignor.)
- Niagara Alkali Company. (See Doerflinger, William F., assignor.)
- Niagara Alkali Company. (See Ruhm, Herman D., assignor.)
- Nias, Henry, assignor to Public Service Cup Company, New York, N. Y. Cup-dispensing device. No. 1,058,787; Apr. 15; Gaz. vol. 189; p. 559.
- Nice, Fredrick J., Pontiac, Mich. Hydrocarbon-feeding system. No. 1,054,441; Feb. 25; Gaz. vol. 187; p. 1001.
- Nice, Fredrick J., Pontiac, Mich. Pyrometer. No. 1,054,442; Feb. 25; Gaz. vol. 187; p. 1001.
- Nice, Fredrick J., Pontiac, Mich. Hydrocarbon-burner. No. 1,061,627; May 13; Gaz. vol. 190; p. 402.
- Nice, Fredrick J., Pontiac, Mich. Furnace. No. 1,082,898; Dec. 30; Gaz. vol. 197; p. 1150.
- Nichol, Francis E. (See Hauser, John H., assignor.)
- Nicholas, Francis C., New York, N. Y., assignor to United Mining & Trust Co., Wilmington, Del. Separator. No. 1,053,855; Feb. 18; Gaz. vol. 187; p. 763.
- Nicholas, Joseph W., Freestone, Tex. Baling-press. No. 1,075,056; Oct. 7; Gaz. vol. 195; p. 162.
- Nicholas, Matthew. (See Hanning and Nicholas.)
- Nicholls, Walter N., and A. W. Carmichael, Toronto, Ontario, Canada. Fastener for sheet roofing material. No. 1,076,639; Oct. 21; Gaz. vol. 195; p. 765.
- Nichols, Aaron S., New York, N. Y. Holder for disk records. No. 1,066,138; July 1; Gaz. vol. 192; p. 82.
- Nichols, Andrew P., Seattle, Wash. Electrical water-heater. No. 1,056,205; Mar. 18; Gaz. vol. 188; p. 592.
- Nichols, Bernard H., Ravenna, Ohio. Hat. No. 1,062,025; May 20; Gaz. vol. 190; p. 574.
- Nichols, C. O. (See Wiard, Myron W., assignor.)
- Nichols, Charles, Kansas City, Mo. Amusement apparatus. No. 1,069,629; Aug. 5; Gaz. vol. 193; p. 186.
- Nichols, Charles H., Haverhill, Mass. Adjustable lamp-support. No. 1,057,658; Apr. 1; Gaz. vol. 189; p. 90.
- Nichols, Charles H., Wolverton, England. Mud-guard. No. 1,078,456; Nov. 11; Gaz. vol. 196; p. 451.
- Nichols, Charles H., Haverhill, assignor to Small, Nichols & Co., Inc., Boston, Mass. Templet holding and directing machine. No. 1,055,785; Mar. 11; Gaz. vol. 188; p. 416.
- Nichols Copper Co. (See Herreshoff, John B. F., assignor.)
- Nichols, Edward, *et al.* (See Hildebrand, Fredrick, assignor.)

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- Nichols, Edward P., assignor to The Starr Bros. Bell Co., East Hampton, Conn. Bell. No. 1,050,379; Jan. 14; Gaz. vol. 186; p. 395.
- Nichols, Edward P., assignor to The Starr Bros. Bell Co., East Hampton, Conn. Bicycle-bell. No. 1,064,525; June 10; Gaz. vol. 191; p. 498.
- Nichols, Elmer P., assignor to Lacene Manufacturing Company, Manchester, N. H. Leather evening and grading machine. No. 1,057,358; Mar. 25; Gaz. vol. 188; p. 1016.
- Nichols, Elmer P., assignor to Lacene Manufacturing Company, Manchester, N. H. Leather evening and grading machine. No. 1,058,623; Apr. 8; Gaz. vol. 189; p. 465.
- Nichols, Georg A., Streator, Ill. Scaffold. No. 1,070,910; Aug. 19; Gaz. vol. 193; p. 692.
- Nichols, Jesse W. (See Moffet, William G., assignor.)
- Nichols, Jesse W., Chicago, Ill. Tin can. No. 1,077,742; Nov. 4; Gaz. vol. 196; p. 172.
- Nichols, John F., Minneapolis, Minn. Undergarment. No. 1,071,077; Aug. 26; Gaz. vol. 193; p. 783.
- Nichols, John H. (See Nelson, De Witt C., assignor.)
- Nichols, Oliver, Mound Valley, Kans. Combined gas and oil burner. No. 1,072,976; Sept. 9; Gaz. vol. 194; p. 482.
- Nichols, Oliver W., Denver, Colo. Form for garments. No. 1,052,615; Feb. 11; Gaz. vol. 187; p. 296.
- Nichols, Perry J., Ames, Colo. Wrist and sleeve protector. No. 1,061,686; May 13; Gaz. vol. 190; p. 423.
- Nichols, T. J., et al. (See Ross, James T., assignor.)
- Nichols, Wesley G., Chicago Heights, Ill., assignor to Edgar Allen American Manganese Steel Company, Augusta, Me. Driving-pinion for rolling-mills. No. 1,072,488; Sept. 9; Gaz. vol. 194; p. 307.
- Nichols, Will, and C. V. Uzzell, Denver, Colo. Electric cooker. No. 1,049,517; Jan. 7; Gaz. vol. 186; p. 66.
- Nicholson, Charles M., Buffalo, N. Y. Card game. No. 1,076,307; Oct. 21; Gaz. vol. 195; p. 646.
- Nicholson, Edgar L. (See Liebfried, Jacob, assignor.)
- Nicholson, Edgar L., Los Angeles, Cal. Automatic lawn-sprinkler. No. 1,079,574; Nov. 25; Gaz. vol. 196; p. 897.
- Nicholson, Ezra L., Lakewood, Ohio. Current-collecting means for signal apparatus or the like. No. 1,052,268; Feb. 4; Gaz. vol. 187; p. 147.
- Nicholson, Herbert, Chicago, Ill. Non-refillable bottle. No. 1,057,659; Apr. 1; Gaz. vol. 189; p. 90.
- Nicholson, John E. (See Beers, Harry F., assignor.)
- Nicholson, Murdock A., et al. (See Harkins, Thomas F., assignor.)
- Nicholson, Percival, Ardmore, Pa. Sphygmomanometer. No. 1,077,365; Nov. 4; Gaz. vol. 196; p. 43.
- Nicholson, Richard. (See Davenport, Carl, assignor.)
- Nicholson, Robert G. (See Woodall, Daniel R., Jr., assignor.)
- Nicholson, Robert J., Chicago, Ill. Bookbinder. No. 1,063,375; June 3; Gaz. vol. 191; p. 69.
- Nicht, Joseph, assignor to Adriance, Platt & Company, Poughkeepsie, N. Y. Mowing-machine. No. 1,070,055; Aug. 12; Gaz. vol. 193; p. 361.
- Nickel, Franz F., and J. M. Sharp, Jr., Hazleton, Pa., assignors to International Steam Pump Company, New York, N. Y. Multiple-expansion engine. No. 1,067,484; July 15; Gaz. vol. 192; p. 611.
- Nickel, William F., Brooklyn, N. Y. Magneto ignition system for internal-combustion engines. No. 1,050,162; Jan. 14; Gaz. vol. 186; p. 320.
- Nickels, Frederick E. (See Butler, James A., assignor.)
- Nickerson Art Metal Company. (See Smith, Harry W. and C. G., assignors.)
- Nickerson, George L. (See Preston and Nickerson.)
- Nickerson, Luke A. (See Maxwell and Nickerson.)
- Nickerson, Otis R., Drexel, Mo. Cattle-pump. No. 1,069,162; Aug. 5; Gaz. vol. 193; p. 25.
- Nickerson Wall Paper Exhibitor Co. (See Nelson, Lewen R., assignor.)
- Nickerson, William E., Cambridge, assignor to Gillette Safety Razor Company, Boston, Mass. Machine for printing and for other purposes. No. 1,075,989; Oct. 14; Gaz. vol. 195; p. 509.
- Nickol, Frederick C., and M. C. Stern, assignors to The Egly Register Company, Dayton, Ohio. Cash-drawer. No. 1,066,518; July 8; Gaz. vol. 192; p. 243.
- Nickol, George E., assignor to Lyon, Conklin & Co., Baltimore, Md. Gas-burner. No. 1,081,275; Dec. 9; Gaz. vol. 197; p. 497.
- Nickolai, Frank and J. E., De Beque, Colo. Beet-topping machine. No. 1,056,708; Mar. 18; Gaz. vol. 188; p. 764.
- Nickolai, Julius E. (See Nickolai, Frank and J. E.)
- Nickson, Elliott E., Philadelphia, assignor to National Fire Proofing Company, Pittsburgh, Pa. Window-sill construction and tile therefor. No. 1,071,782; Sept. 2; Gaz. vol. 194; p. 40.
- Nickum, Walter D., assignor to Railway Safety Signal Company, Los Angeles, Cal. Railway signal system. No. 1,061,863; May 13; Gaz. vol. 190; p. 477.
- Nicodemus, Gordon K., et al. (See Jones, Albert M., assignor.)
- Nicolai, Edward F. (See Hawxhurst and Nicolai.)
- Nicolai, Joseph H. (See Nicolai, Nicola, assignor.)
- Nicolai, Nicola, assignor to J. H. Nicolai, Chicago, Ill. Wagon-cover. No. 1,064,083; June 10; Gaz. vol. 191; p. 347.
- Nicolai, Oscar, Viersen, Germany. Drying milk. No. 1,063,581; June 3; Gaz. vol. 191; p. 139.
- Nicolet, Frank J., Stockdale, Ohio. Spring-wheel. No. 1,065,386; June 24; Gaz. vol. 191; p. 857.
- Nicolet, Roger, Plainfield, N. J. Machine for detecting defects in motion-picture films. No. 1,076,691; Oct. 28; Gaz. vol. 195; p. 835.
- Nicoll, George R., Bellevue, Pa. Car-coupling link. No. 1,055,786; Mar. 11; Gaz. vol. 188; p. 417.
- Niditch, Isadore, Dorchester, Mass., assignor to Central Railway Signal Company, Pittsburgh, Pa. Time-burning railway signal-fusee. No. 1,068,267; July 22; Gaz. vol. 192; p. 911.
- Niebuhr, Wilhelm, assignor to The National Trap Works, Madison, Wis. Animal-trap. No. 1,077,244; Oct. 28; Gaz. vol. 195; p. 1022.
- Niedecken, Edward F., Milwaukee, Wis. Mixing-valve. No. 1,054,023; Feb. 25; Gaz. vol. 187; p. 858.
- Niederauer, Edward, Hamilton, and J. H. Winfield, assignors to The National Laundry Machinery Company, Dayton, Ohio. Means for automatically regulating the flow of liquids from tanks. No. 1,082,605; Dec. 30; Gaz. vol. 197; p. 1047.
- Niedermeyer, Arthur, and R. Bernhard, Milwaukee, Wis., assignors to Power and Mining Machinery Company, Jersey City, N. J. Crusher. No. 1,054,135; Feb. 25; Gaz. vol. 187; p. 895.
- Niedhammer, Adam, Schenectady, N. Y. Combination-chuck. No. 1,052,087; Feb. 4; Gaz. vol. 187; p. 84.
- Nielsen, Aage. (See Andersen and Nielsen.)
- Nielsen, Catherine, et al. (See Nielsen, Rasmus, assignor.)
- Nielsen, Emanuel, assignor to Hamilton-Beach Manufacturing Company, Racine, Wis. Mop-holder. No. 1,053,210; Feb. 18; Gaz. vol. 187; p. 543.
- Nielsen, Frederik, Boston, Mass. Valve. No. 1,082,232; Dec. 23; Gaz. vol. 197; p. 885.
- Nielsen, Holger J., C. J. Borglin, San Francisco, and L. C. A. Soeborg, Alameda, Cal. Concentrator. No. 1,061,106; May 6; Gaz. vol. 190; p. 187.
- Nielsen, Holger J., C. J. Borglin, San Francisco, and L. C. A. Soeborg, Alameda, assignors to Bear Milling and Mining Company, San Francisco, Cal. Concentrator. No. 1,061,105; May 6; Gaz. vol. 190; p. 187.
- Nielsen, Holger J., C. J. Borglin, San Francisco, and L. C. A. Soeborg, Alameda, assignors to Bear Milling and Mining Company, San Francisco, Cal. Conveyor. No. 1,069,163; Aug. 5; Gaz. vol. 193; p. 25.
- Nielsen, Iver, New Rochelle, N. Y. Window-shade. No. 1,080,844; Dec. 9; Gaz. vol. 197; p. 355.
- Nielsen, Jens, Frederiksberg, near Copenhagen, Denmark. Milking-machine. No. 1,070,166; Aug. 12; Gaz. vol. 193; p. 400.
- Nielsen, Joe, Leesburg, Va. Collapsible wardrobe. No. 1,070,717; Aug. 19; Gaz. vol. 193; p. 629.
- Nielsen, Johan F. N., Fredrikstad, Norway. Reciprocating-piston engine. No. 1,058,457; Apr. 8; Gaz. vol. 189; p. 410.
- Nielsen, Julian J., Chicago, Ill. Signaling means. No. 1,064,926; June 17; Gaz. vol. 191; p. 665.
- Nielsen, Lauritz B., Newburgh, N. Y. Door-retainer. No. 1,064,760; June 17; Gaz. vol. 191; p. 615.
- Nielsen, Peder. (See Jensen and Nielsen.)
- Nielsen, Peter C., assignor to B. Dunis, Portland, Oreg. Drinking-fountain. No. 1,069,896; Aug. 12; Gaz. vol. 193; p. 309.
- Nielsen, Peter S., Valley City, N. D. Attachment for cylinder printing-presses. No. 1,056,440; Mar. 18; Gaz. vol. 188; p. 672.
- Nielsen, Rasmus, Troy, N. Y. Ice-cream spoon. No. 1,052,370; Feb. 4; Gaz. vol. 187; p. 178.
- Nielsen, Rasmus, Troy, N. Y. Ice-cream-cone filler. No. 1,078,209; Nov. 11; Gaz. vol. 196; p. 364.
- Nielsen, Rasmus, assignor to C. Nielsen and H. S. Giles, Troy, N. Y. Lemon-squeezer. No. 1,063,056; May 27; Gaz. vol. 190; p. 959.
- Nielsen, Sigurd C., Brooklyn, N. Y., assignor to Mergenthaler Linotype Company. Line-casting machine. No. 1,049,518; Jan. 7; Gaz. vol. 186; p. 67.
- Nielson, Walter A., New York, N. Y. Cuspidor collector and carrier. No. 1,068,920; July 29; Gaz. vol. 192; p. 1177.
- Niemann, William C., Waltz, Mich. Street-sweeper. No. 1,081,511; Dec. 16; Gaz. vol. 197; p. 615.
- Niemann, William H., Litchfield, Ill. Bridle-bit. No. 1,076,442; Oct. 21; Gaz. vol. 195; p. 694.
- Niemeyer, Edward H., Chicago, Ill. Extension-table. No. 1,059,751; Apr. 22; Gaz. vol. 189; p. 926.
- Niemi, Sakarias K., Tower, Minn. Hammer. No. 1,074,009; Sept. 23; Gaz. vol. 194; p. 897.
- Nies, Edward H., Rochester, N. Y. Artificial embankment. No. 1,060,357; Apr. 29; Gaz. vol. 189; p. 1175.
- Nies, Frederick H., New York, N. Y. Making porcelain inlays. No. 1,063,376; June 3; Gaz. vol. 191; p. 70.
- Niewerth, Hermann, Berlin, Germany. Apparatus for reducing compounds. No. 1,081,287; Dec. 9; Gaz. vol. 197; p. 501.

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- Niewkirk, J. William. (See Phelps, Silverwood, assignor.)
 Nightingale Reproducer Co. (See Luciano, Achille, assignor.)
 Nikodem, Hermann, Hamburg, Germany. Folding rest for firearms. No. 1,076,692; Oct. 28; Gaz. vol. 195; p. 836.
 Nikolaus, Hermann, Vienna, Austria-Hungary. Sliding window. No. 1,078,369; Nov. 11; Gaz. vol. 196; p. 421.
 Niles, Allen C., Bellevue, assignor of one-third to W. O. Forster and one-third to C. C. Forster, Dayton, Ky. Shutter for moving-picture machines. No. 1,067,750; July 15; Gaz. vol. 192; p. 701.
 Niles-Bement-Pond Company. (See Bertram, Henry, assignor.)
 Niles-Bement-Pond Company. (See Hoglebe and Firmin, assignors.)
 Niles, Glenn H., St. Louis, Mo. Combustion apparatus and gas-producer. No. 1,078,160; Nov. 11; Gaz. vol. 196; p. 347.
 Niles, Henry E., assignor to Eastman Kodak Co., Rochester, N. Y. Photographic-printing mask. No. 1,060,618; May 6; Gaz. vol. 190; p. 19.
 Niles, James A., Lynn, Mass. Shoe-form. No. 1,079,429; Nov. 25; Gaz. vol. 196; p. 846.
 Nilson, Harold. (See Nilson, Nils, L., and H.)
 Nilson, Harold G., Kalamazoo, Mich. Self-heating curling-iron. No. 1,069,164; Aug. 5; Gaz. vol. 193; p. 26.
 Nilson, Leonard. (See Nilson, Nils, L., and H.)
 Nilson, Nils, Wayzata, Minn. Rotary plow. No. 1,050,987; Jan. 21; Gaz. vol. 186; p. 640.
 Nilson, Nils, Wayzata, Minn. Scale. No. 1,063,582; June 3; Gaz. vol. 191; p. 140.
 Nilson, Nils, L., and H., Wayzata, Minn. Transmission-gearing. No. 1,050,988; Jan. 21; Gaz. vol. 186; p. 640.
 Nilson, Nils, L., and H., Wayzata, Minn. Wagon. No. 1,051,623; Jan. 28; Gaz. vol. 186; p. 888.
 Nilson, Nils, L., and H., Wayzata, Minn. Traction-engine. No. 1,051,624; Jan. 28; Gaz. vol. 186; p. 888.
 Nilsson, Carl V., Philadelphia, Pa. Screen. No. 1,079,575; Nov. 25; Gaz. vol. 196; p. 897.
 Nilsson, John W., Balfour, N. D. Detector for party-line telephones. No. 1,053,430; Feb. 18; Gaz. vol. 187; p. 620.
 Nilsson, John W., Balfour, N. D. Oil-can. No. 1,074,810; Oct. 7; Gaz. vol. 195; p. 76.
 Nilsson, John W., assignor of one-half to N. B. Anderson, Balfour, N. D. Detachable button. No. 1,050,380; Jan. 14; Gaz. vol. 186; p. 395.
 Nilsson, Martin, Marion, Nebr. Adjustable horse-collar attachment. No. 1,078,802; Nov. 18; Gaz. vol. 196; p. 603.
 Niola, Albert, Newark, N. J. Smoothing or laundry iron. No. 1,068,812; July 29; Gaz. vol. 192; p. 1139.
 Nipper Machine Company. (See Steelman, Sawyer, and Fels, assignors.)
 Nippert, John W., New Brighton, Pa. Nut-lock. No. 1,079,714; Nov. 25; Gaz. vol. 196; p. 945.
 Nirascou, Jean B., Paris, France. Scale-scraper for boiler-tubes. No. 1,058,091; Apr. 8; Gaz. vol. 189; p. 282.
 Nisbet, Edward F. (See Stanard, Frank H., assignor.)
 Nisbett, Charles W. (See Hutchinson, Charles W., assignor.)
 Nishida, Tokutaro, Seattle, Wash. Non-refillable bottle. No. 1,064,851; June 17; Gaz. vol. 191; p. 644.
 Nispel, Norman C., York, assignor of one-half to J. Williams, Fawn Grove, Pa. Electric-lamp switch. No. 1,051,749; Jan. 28; Gaz. vol. 186; p. 929.
 Nissen, Detlev, Fechenheim, and E. Saul, Frankfurt-on-the-Main, Germany, assignors to Cassella Color Company. Yellow vat dye. No. 1,055,287; Mar. 4; Gaz. vol. 188; p. 210.
 Nissen, George, Iowa Falls, Iowa. Snatch-block. No. 1,070,834; Aug. 19; Gaz. vol. 193; p. 669.
 Nissinen, Toimi A., New York, assignor to F. G. Zinsser, Hastings-upon-Hudson, N. Y. Applying closures to receptacles. No. 1,054,308; Feb. 25; Gaz. vol. 187; p. 954.
 Nitka, Albert, Sobieski, Wis. Rail-joint. No. 1,079,430; Nov. 25; Gaz. vol. 196; p. 846.
 Nitka, Albert, Sobieski, Wis. Curtain-pole. No. 1,079,431; Nov. 25; Gaz. vol. 196; p. 847.
 Nitrogen Company, The. (See Acker, Charles E., assignor.)
 Nitroglycerin Aktiebolaget. (See Nauckhoff, Sigurd A. G., assignor.)
 Nitroglycerine Aktiebolaget. (See Nauckhoff, Sigurd A. G., assignor.)
 Nitschke, Karl, Berlin, Germany. Telescopic lifting-gear. No. 1,070,167; Aug. 12; Gaz. vol. 193; p. 400.
 Nitschman, Joseph, Newark, N. J. Embroidery-frame. No. 1,073,511; Sept. 16; Gaz. vol. 194; p. 704.
 Nluffer, George F., assignor of one-half to C. L. Steele, Springfield, Ohio. Adjustable nozzle. No. 1,050,989; Jan. 21; Gaz. vol. 186; p. 640.
 Nix, Frank C. (See Nix, Joshua J. and F. C.)
 Nix, James L., Homer City, Pa. Artificial incubation. No. 1,049,519; Jan. 7; Gaz. vol. 186; p. 67.
 Nix, John D., Ferriday, La. Railway safety apparatus. No. 1,069,165; Aug. 5; Gaz. vol. 193; p. 26.
 Nix, Joshua J. and F. C., Alhambra, assignors to J. A. Merrill, Los Angeles, Cal. Producing gas. No. 1,078,304; Nov. 11; Gaz. vol. 196; p. 399.
 Nixdorf, Burnie U. (See Habbert, Nixdorf, and Ruppscheidt.)
 Nixon, George W. (See Helman and Nixon.)
 Nixon, John B., Palmetto, and S. F. Krupp, Atlanta, Ga. Cotton condenser and regulator. No. 1,079,949; Dec. 2; Gaz. vol. 197; p. 9.
 Nixon, Moses C., Peru, Ind. Mechanism for converting motion. No. 1,050,226; Jan. 14; Gaz. vol. 186; p. 341.
 Nixon, Moses C., Peru, Ind. Baling-press. (Reissue.) No. 13,615; Sept. 9; Gaz. vol. 194; p. 522.
 Nixon, Thomas J., Jr., Hertford, N. C. Arm attachment and blotter. No. 1,055,350; Mar. 11; Gaz. vol. 188; p. 271.
 No Ice Refrigerator Company. (See Fink, Albert, assignor.)
 Noack, Bernhard, Fürstenwalde-on-the-Spree, Germany. Velocipede handle-bar. No. 1,068,158; July 22; Gaz. vol. 192; p. 872.
 Noack, Paul, Holden, Mass. Apparatus for extinguishing sparks from shoddy and the like. No. 1,050,990; Jan. 21; Gaz. vol. 186; p. 641.
 Noah, Zimrie E., Greensboro, N. C. Raw-stock-dyeing machine. No. 1,052,371; Feb. 4; Gaz. vol. 187; p. 179.
 Noar, Henry A., Philadelphia, Pa. Dyeing-machine. No. 1,052,168; Feb. 4; Gaz. vol. 187; p. 113.
 Nobel's Explosive Company. (See Hodge, Howard D., assignor.)
 Noble, Donald, Bridgeport, Conn., assignor to The Singer Manufacturing Company. Sewing-machine for embroidery. No. 1,049,520; Jan. 7; Gaz. vol. 186; p. 67.
 Noble, Donald, Bridgeport, Conn., assignor to The Singer Manufacturing Company. Universal feeding mechanism for sewing-machines. No. 1,049,593; Jan. 7; Gaz. vol. 186; p. 95.
 Noble, Donald, Bridgeport, Conn., assignor to The Singer Manufacturing Company. Stop-motion mechanism for sewing-machines. No. 1,058,326; Apr. 8; Gaz. vol. 189; p. 365.
 Noble, Donald, Bridgeport, Conn., assignor to The Singer Manufacturing Company. Crank hemstitch-embroidering machine. No. 1,058,892; Apr. 15; Gaz. vol. 189; p. 598.
 Noble Electric Steel Company. (See Frickey, Royal E., assignor.)
 Noble, Frank L. (See Seaser, Warren H., assignor.)
 Noble, Glenn S., Chicago, Ill. Mixer. No. 1,053,741; Feb. 18; Gaz. vol. 187; p. 727.
 Noble, Hamden H., San Francisco, Cal. Electrical reduction-furnace. No. 1,057,082; Mar. 25; Gaz. vol. 188; p. 923.
 Noble, Harvey P., assignor of one-half to E. G. Ott, Philadelphia, Pa. Signaling device for automobiles. No. 1,076,443; Oct. 21; Gaz. vol. 195; p. 694.
 Noble, John G., New Eagle, Pa. Rail-joint. No. 1,051,750; Jan. 28; Gaz. vol. 186; p. 929.
 Noble, John W., Anniston, Ala. Cotton-chopper. No. 1,054,787; Mar. 4; Gaz. vol. 188; p. 46.
 Noble, Ralph E., Chicago, Ill. Commutator. No. 1,077,914; Nov. 4; Gaz. vol. 196; p. 230.
 Noble, Ralph E., assignor to Morgan-Gardner Electric Company, Chicago, Ill. Locomotive. No. 1,072,396; Sept. 2; Gaz. vol. 194; p. 247.
 Noble, Ralph E., assignor to Morgan-Gardner Electric Company, Chicago, Ill. Electric motor. No. 1,083,260; Dec. 30; Gaz. vol. 197; p. 1266.
 Noble, Willard M., Gates, assignor to American Wood Working Machinery Co., Rochester, N. Y. Cutter-head. No. 1,065,069; June 17; Gaz. vol. 191; p. 714.
 Noe, Elzer C., Chicago, Ill. Turnstile. No. 1,059,384; Apr. 22; Gaz. vol. 189; p. 803.
 Noe, Seaman P., Ocean Grove, N. J. Automatic relief-valve for pneumatic tires. No. 1,064,526; June 10; Gaz. vol. 191; p. 499.
 Noe, William L., and C. M. Mesner, East Pleasant Plain, Iowa. Printing apparatus. No. 1,081,136; Dec. 9; Gaz. vol. 197; p. 449.
 Noel, Hal, assignor to Charles E. Reed & Company, Chicago, Ill. Pattern-cutting machine. No. 1,060,279; Apr. 29; Gaz. vol. 189; p. 1147.
 Noel, John P. (See Reddick and Noel.)
 Nogier, Thomas, Lyon, France. Apparatus for the sterilization of liquids. No. 1,051,350; Jan. 21; Gaz. vol. 186; p. 762.
 Noiseless Typewriter Company, The. (See Lorenz, Edward H., assignor.)
 Noiseless Typewriter Company, The. (See Lorenz, William A., assignor.)
 Noiseless Typewriter Company, The. (See Ronchetti, Joseph A., assignor.)
 Noiseless Typewriter Company, The. (See Sponsel, Charles W., assignor.)
 Nolan, Daniel W., assignor to M. J. Nolan, Springfield, Ill. Automatic stock-sprayer. No. 1,055,288; Mar. 4; Gaz. vol. 188; p. 210.

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- Nolan, Elmer L., Elkhart, Ind. Garden-tool. No. 1,082,040; Dec. 23; Gaz. vol. 197; p. 820.
- Nolan, James A., Bowerston, Ohio. Stop for mining-cars. No. 1,072,977; Sept. 9; Gaz. vol. 194; p. 482.
- Nolan, John, Long Island City, N. Y. Voting-machine. No. 1,068,921; July 29; Gaz. vol. 192; p. 1178.
- Nolan, John R., New York, assignor to Wetter Numbering Machine Company, Brooklyn, N. Y. Numbering-machine. No. 1,055,649; Mar. 11; Gaz. vol. 188; p. 369.
- Nolan, Mary J. (See Nolan, Daniel W., assignor.)
- Nolan, Oliver, assignor to Automatic Concrete Machinery Company, St. Paul, Minn. Tamping-machine. No. 1,053,211; Feb. 18; Gaz. vol. 187; p. 543.
- Nolan, Oliver, assignor to C. R. Wilkinson, St. Paul, Minn. Tamping-machine. No. 1,072,355; Sept. 2; Gaz. vol. 194; p. 231.
- Nolan, Thomas B., Pratt, Kans. Combined grain-planter and marker. No. 1,054,136; Feb. 25; Gaz. vol. 187; p. 896.
- Nolan, William F., St. Paul, Minn. Copper alloy. No. 1,074,285; Sept. 30; Gaz. vol. 194; p. 1018.
- Nold, Frederick, and L. E. Wilderman, Freeburg, Ill. Mechanical draft-fan. No. 1,049,758; Jan. 7; Gaz. vol. 186; p. 149.
- Nolde & Horst Co., The. (See Robinson, Frank W., assignor.)
- Nolder, Francis M., Westboro, Ohio. Animal-trap. No. 1,078,457; Nov. 11; Gaz. vol. 196; p. 451.
- Nolen, James G., assignor to Fire Protection Development Company, New York, N. Y. Supervisory system. No. 1,071,171; Aug. 26; Gaz. vol. 193; p. 814.
- Nolen, James G., assignor to Fire Protection Development Company, New York, N. Y. Supervisory alarm system. No. 1,082,606; Dec. 30; Gaz. vol. 197; p. 1048.
- Nolen, James G., assignor to Fire Protection Development Company, New York, N. Y. Supervisory alarm system. No. 1,082,703; Dec. 30; Gaz. vol. 197; p. 1082.
- Noll, George H., New York, N. Y. Clothes-line clamp. No. 1,074,736; Oct. 7; Gaz. vol. 195; p. 52.
- Noll, John, assignor to Noll Pump Company, New York, N. Y. Rotary pump. No. 1,049,387; Jan. 7; Gaz. vol. 186; p. 23.
- Noll, John, New York, N. Y., assignor to Continuous Rail Company, Wilmington, Del. Track construction. No. 1,059,752; Apr. 22; Gaz. vol. 189; p. 926.
- Noll, John, New York, N. Y., assignor to Continuous Rail Company, Wilmington, Del. Rail. No. 1,068,813; July 29; Gaz. vol. 192; p. 1140.
- Noll, John, New York, N. Y., assignor to Continuous Rail Company, Wilmington, Del. Compound rail. No. 1,068,814; July 29; Gaz. vol. 192; p. 1140.
- Noll, John, New York, N. Y., assignor to Continuous Rail Company, Wilmington, Del. Compound rail. No. 1,068,815; July 29; Gaz. vol. 192; p. 1141.
- Noll, John, New York, N. Y., assignor to Continuous Rail Company, Wilmington, Del. Machine for working on rails. No. 1,069,072; July 29; Gaz. vol. 192; p. 1227.
- Noll, John, New York, N. Y., assignor to Continuous Rail Company, Wilmington, Del. Machine for working on compound rails. No. 1,080,651; Dec. 9; Gaz. vol. 197; p. 285.
- Noll, John L., St. Jacob, Ill. Grave-coping. No. 1,066,416; July 1; Gaz. vol. 192; p. 178.
- Noll, Josef, Alfred, Germany. Boot-tree. No. 1,064,852; June 17; Gaz. vol. 191; p. 644.
- Noll, Joseph, Buffalo, N. Y. Car journal-box. No. 1,058,893; Apr. 15; Gaz. vol. 189; p. 598.
- Noll Pump Company. (See Noll, John, assignor.)
- Nolley, David D., assignor to J. R. Hardy, Wilson, N. C. Combined hasp and latch. No. 1,053,212; Feb. 18; Gaz. vol. 187; p. 544.
- Nolte, Frederick W., Victoria, British Columbia, Canada. Eyeglass-mounting. No. 1,069,897; Aug. 12; Gaz. vol. 193; p. 309.
- Nonneman, Ira W., assignor to The Borden Company, Warren, Ohio. Pipe-cutter. No. 1,076,223; Oct. 21; Gaz. vol. 195; p. 617.
- Noon, James H. (See Carpenter, John H., assignor.)
- Noonan, Bernard. (See Pick, Henry V., assignor.)
- Noonan, Frank R., Alexandria, Minn. Air-purifying device for creamery-vats. No. 1,063,583; June 3; Gaz. vol. 191; p. 140.
- Noonan, John P., Pittsburgh, Pa. Insulated rail-joint. No. 1,062,296; May 20; Gaz. vol. 190; p. 667.
- Norberry, Charles A., Fort Bragg, Cal. Combination-tool. No. 1,054,443; Feb. 25; Gaz. vol. 187; p. 1001.
- Norbo, Elven, Cashton, Wis. Tobacco-handling implement. No. 1,081,460; Dec. 16; Gaz. vol. 197; p. 598.
- Norcross, William M., Boston, Mass. Lawn-trimmer. No. 1,072,151; Sept. 2; Gaz. vol. 194; p. 166.
- Nord, Walter G. (See Evans and Nord.)
- Nordell, Carl, Gilbertville, Mass. Bobbin and spindle connector. No. 1,070,982; Aug. 19; Gaz. vol. 193; p. 715.
- Norden, Joseph, *et al.* (See Schloss, Newton L., assignor.)
- Norden, Mortimer, *et al.* (See Schloss, Newton L., assignor.)
- Norden, Svan, assignor to F. A. Stevens, Providence, R. I. Eyeglasses. No. 1,073,777; Sept. 23; Gaz. vol. 194; p. 820.
- Nordenfelt, Henrik, assignor to Aktiebolaget Bofors-Gullspång, Bofors, Sweden. Shell-fuse with safety device. No. 1,053,857; Feb. 18; Gaz. vol. 187; p. 763.
- Nordenström, Carl O., Elkhorn, Wis., assignor to G. A. Southwell, trustee, Chicago, Ill. Gas-producer plant. No. 1,066,837; July 8; Gaz. vol. 192; p. 354.
- Nordgreen, Axel W. (See Bastian and Nordgreen.)
- Nordgren, Gustaf B., Muskegon, Mich. Collapsible couch-bed. No. 1,069,804; Aug. 12; Gaz. vol. 193; p. 276.
- Nordgrén, Johan A., Worcester, Mass. Attachment for opera-chairs. No. 1,060,934; May 6; Gaz. vol. 190; p. 128.
- Nordholm, George W., Pilot Mound, Iowa. Grain-elevator. No. 1,053,431; Feb. 18; Gaz. vol. 187; p. 620.
- Nordin, Bernhard, Bergland, Ontario, Canada. Chaff-separator for coffee-mills. No. 1,052,616; Feb. 11; Gaz. vol. 187; p. 296.
- Nordling, Charles A., Suisun, Cal. Skate. No. 1,070,168; Aug. 12; Gaz. vol. 193; p. 401.
- Nordling, Gustaf R., New York, assignor of one-half to S. Salonen, Brooklyn, N. Y. Clock. No. 1,079,796; Nov. 25; Gaz. vol. 196; p. 976.
- Nordlund, Oscar A., assignor of two-thirds to N. P. Nelson, Lindsborg, and F. O. Johnson, McPherson, Kans. Wrench. No. 1,072,767; Sept. 9; Gaz. vol. 194; p. 404.
- Nordmark, Carl F., Lynn, Mass. Pump and prime mover. No. 1,061,107; May 6; Gaz. vol. 190; p. 188.
- Nordmark, Carl F., Lynn, Mass., assignor of one-half to C. S. Carlson, Providence, R. I. Portable shower-bath. No. 1,065,265; June 17; Gaz. vol. 191; p. 778.
- Nordqvist, Per E., Chicago, Ill., assignor to Concealed Door Check Company, Santa Barbara, Cal. Regulating device for door checks and closers. No. 1,062,297; May 20; Gaz. vol. 190; p. 667.
- Nordström, Axel R., assignor of one-fourth to G. F. Hellström, Sr., and G. F. Hellström, Jr., West Lynn, three-sixteenths to M. Bowman, Rockport, and one-sixteenth to C. E. Norwall, West Lynn, Mass. Flying-machine. No. 1,061,108; May 6; Gaz. vol. 190; p. 188.
- Nordström, Axel R., West Lynn, assignor of three-sixteenths to M. Bowman, Rockport, one-sixteenth to C. E. Norwall, and one-fourth to G. F. Hellström, Sr., and G. F. Hellström, Jr., West Lynn, Mass. Flying-machine. No. 1,061,198; May 6; Gaz. vol. 190; p. 218.
- Nordström, Axel R., assignor of one-fourth to G. F. Hellström, Sr., and G. F. Hellström, Jr., West Lynn, three-sixteenths to M. Bowman, Rockport, and one-sixth to C. E. Norwall, West Lynn, Mass. Propelling mechanism for flying-machines. No. 1,064,162; June 10; Gaz. vol. 191; p. 375.
- Nordström, George G., Chicago, Ill. Garment-support. No. 1,057,448; Apr. 1; Gaz. vol. 189; p. 19.
- Nordyke & Marmon Company. (See Marmon, Howard C., assignor.)
- Noreck, Herman, Norfolk, Va. Broiler. No. 1,057,449; Apr. 1; Gaz. vol. 189; p. 19.
- Noren, Andrew. (See Edwards, Elmer O., assignor.)
- Norfolk Manufacturing Company. (See Eller, Harley M., assignor.)
- Norlin, Evert. (See Frestadins, Norlin, and Oman.)
- Norling, Reinhold A., assignor to Aurora Automatic Machinery Company, Aurora, Ill. Roller-bearing. No. 1,074,643; Oct. 7; Gaz. vol. 195; p. 19.
- Norlund, Olof A., Williamsport, Pa. Ice-creeper. No. 1,051,154; Jan. 21; Gaz. vol. 186; p. 697.
- Norma Compagnie G. m. b. H. (See Kirner, Josef, assignor.)
- Norman, Charles E., Chicago, Ill. Hot-blast furnace. No. 1,079,432; Nov. 25; Gaz. vol. 196; p. 847.
- Norman, George, assignor to The Birmingham Small Arms Company, Limited, Birmingham, England. Bolt-action rifle. No. 1,068,360; July 22; Gaz. vol. 192; p. 943.
- Norman, Gustav, Eureka, Cal. Garter. No. 1,067,835; July 22; Gaz. vol. 192; p. 763.
- Norman, John W., Caruthersville, Mo. Mail-receptacle. No. 1,072,356; Sept. 2; Gaz. vol. 194; p. 232.
- Norman, Joseph T., assignor to Norman Picker Co., Nanticoke, Pa. Oscillating slate-picker. No. 1,053,858; Feb. 18; Gaz. vol. 187; p. 763.
- Norman, Lionel, assignor to Pure Food Package Company, Boston, Mass. Paper vessel. No. 1,054,932; Mar. 4; Gaz. vol. 188; p. 94.
- Norman, Lionel, and E. C. Bates, assignors, by mesne assignments, to Pure Food Package Company, Boston, Mass. Machine for applying end closures to paper vessels. No. 1,053,314; Feb. 18; Gaz. vol. 187; p. 579.
- Norman Picker Co. (See Norman, Joseph T., assignor.)
- Norman, William F., Nevada, Mo. Metal binder. No. 1,052,617; Feb. 11; Gaz. vol. 187; p. 297.
- Norman, William F., Nevada, Mo. Rafter-reckoner. No. 1,056,206; Mar. 18; Gaz. vol. 188; p. 593.
- Normand, Augustin, Le Havre, France. Liquid-fuel atomizer. No. 1,051,908; Feb. 4; Gaz. vol. 187; p. 20.
- Normand, Augustin, Le Havre, France. Boiler-furnace. No. 1,078,803; Nov. 18; Gaz. vol. 196; p. 603.

Alphabetical list of patentees—Continued.

- Normanville, Edgar de, Bayswater, London, England. Apparatus for cooling internal-combustion engines. No. 1,082,233; Dec. 23; Gaz. vol. 197; p. 886.
- Norquest, Peter M., Lindsborg, Kans. Wind-shield for mowing-machines. No. 1,065,963; July 1; Gaz. vol. 192; p. 21.
- Norris, Almon E., Cambridge, Mass. Cable-support. No. 1,057,660; Apr. 1; Gaz. vol. 189; p. 90.
- Norris, Almon E., Cambridge, Mass. Hoisting apparatus. No. 1,068,070; July 22; Gaz. vol. 192; p. 842.
- Norris, Almon E., Cambridge, Mass. Hoisting apparatus. No. 1,071,010; Aug. 19; Gaz. vol. 193; p. 725.
- Norris, Edward, assignor to S. Mordan and Company, Limited, London, England. Pencil-case and kindred instrument. No. 1,063,134; May 27; Gaz. vol. 190; p. 984.
- Norris, Edward L., Georgiana, Ala. Car-coupling. No. 1,063,935; June 3; Gaz. vol. 191; p. 263.
- Norris, Everett E., Breckenridge, Colo. Securing device. No. 1,064,527; June 10; Gaz. vol. 191; p. 499.
- Norris, Frank P., *et al.* (See MacCallum, Norman E., assignor.)
- Norris, George S., Brisbane, Queensland, assignor to Norris Nut Lock Co., Limited, Maryborough, Queensland, Australia. Lock-nut. No. 1,069,024; July 29; Gaz. vol. 192; p. 1211.
- Norris, Harry E., Worthington, Ohio. Explosive-engine. No. 1,070,719; Aug. 19; Gaz. vol. 193; p. 630.
- Norris, Henry M., assignor to The Cincinnati Bickford Tool Co., Cincinnati, Ohio. Radial drill. No. 1,058,254; Apr. 8; Gaz. vol. 189; p. 339.
- Norris, James O., Bakerstown, Pa. Collapsible shipping-box. No. 1,066,838; July 8; Gaz. vol. 192; p. 354.
- Norris Nut Lock Co. (See Norris, George S., assignor.)
- Norris, William K. (See McQuay and Norris.)
- Norrlander, Verner, *et al.* (See Winquist, Victor, assignor.)
- Norsk-Hydro-Elektrisk Kvaestofaktieselskab. (See Birke-land, Kristian, assignor.)
- Norsk Hydro-Elektrisk Kvaestofaktieselskab. (See Col-lett, Emil, assignor.)
- Norsk Hydro Elektrisk Kvaestofaktieselskab. (See Zen-neck and Vollmer, assignors.)
- North, Albert A., assignor to The Skinner Chuck Com-pany, New Britain, Conn. Drill-chuck. No. 1,053,530; Feb. 18; Gaz. vol. 187; p. 654.
- North American Novelty Company. (See Hall, William H., assignor.)
- North American Wireless Corporation. (See Laughter, Victor H., assignor.)
- North Bro's M'fg Co. (See Fegley and Leopold, as-signors.)
- North Bro's M'fg Co. (See Leopold, George O., assignor.)
- North, Charles, Colorado Springs, Colo. Box-car door. No. 1,072,638; Sept. 9; Gaz. vol. 194; p. 359.
- North, Charles E., Spokane, Wash. Plow. No. 1,068,922; July 29; Gaz. vol. 192; p. 1178.
- North Chemical Company. (See Thoma, Andrew, as-signor.)
- North East Electric Company. (See Halbleib, Edward A., assignor.)
- Northern Chemical Engineering Laboratories. (See Mal-sel, Lorenz, assignor.)
- Northern Iron Company. (See Ross, Lewis P., assignor.)
- Northey, Silas, Waterloo, Iowa. Door-fastener. No. 1,078,549; Nov. 11; Gaz. vol. 196; p. 481.
- Northrop, Charles E., Thorsby, Ala. Handpiece for dental machines. No. 1,063,282; June 3; Gaz. vol. 191; p. 39.
- Northrop, Herbert N., and G. A. Towle, Somerville, Mass.; said Northrop assignor to said Towle. Hair-curler. No. 1,081,400; Dec. 16; Gaz. vol. 197; p. 577.
- Northrop, Jonas. (See Draper and Northrop.)
- Northrop, Jonas, assignor to C. F. Roper & Company, Hopedale, Mass. Envelop moisture and sealer. No. 1,051,751; Jan. 28; Gaz. vol. 186; p. 929.
- Northrop, Jonas, assignor to Hopedale Manufacturing Company, Hopedale, Mass. Loom-temple. No. 1,067,836; July 22; Gaz. vol. 192; p. 763.
- Northrop, Jonas, assignor to Draper Company, Hopedale, Mass. Pitman for looms. No. 1,068,443; July 29; Gaz. vol. 192; p. 1010.
- Northrop, Jonas, assignor to Draper Company, Hopedale, Mass. Thread-partner for looms. No. 1,078,210; Nov. 11; Gaz. vol. 196; p. 364.
- Northrop, Jonas, assignor to Draper Company, Hopedale, Mass. Cloth-beam. No. 1,082,166; Dec. 23; Gaz. vol. 197; p. 861.
- Northrop, Walter, Toronto, Ontario, Canada, assignor to E. B. McKay, Philadelphia, Pa. Fruit-cleaning ma-chine. No. 1,068,004; July 22; Gaz. vol. 192; p. 820.
- Northrop, Walter, assignor to H. J. and F. Atkinson, Toronto, Ontario, Canada. Machine for peeling potatoes and the like. No. 1,066,519; July 8; Gaz. vol. 192; p. 244.
- Northrup, Elmer C., Los Angeles, assignor to Automatic Machine Company, San Francisco, Cal. Box-making machine. No. 1,058,894; Apr. 15; Gaz. vol. 189; p. 598.
- Northrup, Elmer C., assignor to Automatic Machine Com-pany, San Francisco, Cal. Box-nailing machine. No. 1,063,171; May 27; Gaz. vol. 190; p. 997.
- Northwestern Steel & Iron Works. (See Rosholt, Kim, assignor.)
- Northwestern Wheel & Wagon Company. (See Tomlinson, Clarence L., assignor.)
- Norton, Arthur G., West Webster, assignor to N. C. Schied, Rochester, N. Y. Pruning-saw. No. 1,058,327; Apr. 8; Gaz. vol. 189; p. 365.
- Norton, B. W., *et al.*, trustees. (See Converse, Newton B., assignor.)
- Norton, Christopher F., Merritt, assignor of one-half to E. E. Grimes, Cocoa, Fla. Container for spark-plugs. No. 1,049,903; Jan. 7; Gaz. vol. 186; p. 198.
- Norton Company. (See Boeck, Percy A., assignor.)
- Norton Company. (See Jeppson, George N., assignor.)
- Norton Company. (See Malm, Arthur T., assignor.)
- Norton Door Check Company. (See Norton, Lewis C., assignor.)
- Norton, Edward M., assignor to De La Vergne Machine Company, New York, N. Y. Vaporizer attachment. No. 1,079,950; Dec. 2; Gaz. vol. 197; p. 9.
- Norton, Edwin, New York, N. Y. Sheet-metal box. No. 1,079,433; Nov. 25; Gaz. vol. 196; p. 847.
- Norton, Edwin, Paget West, Bermuda. Sheet-metal box. No. 1,079,903; Nov. 25; Gaz. vol. 196; p. 1013.
- Norton, Edwin, New York, N. Y., assignor to Automatic Vacuum Canning Company, Chicago, Ill. Machine for coating can ends. No. 1,060,112; Apr. 29; Gaz. vol. 189; p. 1087.
- Norton, Elliott S., and C. J. Berndt, assignors to Acme Steel Goods Company, Chicago, Ill. Machine for form-ing corrugated metal fasteners. No. 1,070,282; Aug. 12; Gaz. vol. 193; p. 440.
- Norton, Eugene E., and A. U. Langenegger, assignors to The King Machine Company, Bridgeport, Conn. Iron-ing-machine. (Reissue.) No. 13,513; Jan. 14; Gaz. vol. 186; p. 534.
- Norton, Eugene E., and A. U. Langenegger, assignors to The King Machine Company, Bridgeport, Conn. Ironing-machine. No. 1,061,109; May 6; Gaz. vol. 190; p. 189.
- Norton, Frank W., Cedar Rapids, Iowa. Photograph-de-veloping apparatus. No. 1,074,572; Sept. 30; Gaz. vol. 194; p. 1111.
- Norton, Fred E., Lynn, Mass., assignor to General Elec-tric Company. Float-valve for centrifugal compressors. No. 1,060,012; Apr. 29; Gaz. vol. 189; p. 1055.
- Norton, Garnett F., Ngaio, Wellington, New Zealand. Stay for casement-windows and the like. No. 1,066,139; July 1; Gaz. vol. 192; p. 83.
- Norton, George B., Morganfield, Ky. Chicken-coop. No. 1,051,250; Jan. 21; Gaz. vol. 186; p. 727.
- Norton, George W., Flushing, N. Y. Window-screen. No. 1,076,693; Oct. 28; Gaz. vol. 195; p. 836.
- Norton Grinding Company. (See Alden, George I., as-signor.)
- Norton, Harold F., Newport News, Va. Boat-davit. No. 1,071,783; Sept. 2; Gaz. vol. 194; p. 40.
- Norton, Harry R., New York, N. Y. Apparatus for indi-cating the position of moving bodies. No. 1,057,261; Mar. 25; Gaz. vol. 188; p. 985.
- Norton, Horatio N. (See Summeril, Frank H., assignor.)
- Norton, Lewis C., assignor to Norton Door Check Company, Chicago, Ill. Combined door-stop and door-holder. No. 1,071,172; Aug. 26; Gaz. vol. 193; p. 815.
- Norton, Sereno E., Thorsby, Ala., assignor to C. C. Con-way, New York, N. Y. Preparing nuts for food. No. 1,063,208; June 3; Gaz. vol. 191; p. 14.
- Norton, Walter S., Lubbock, Tex. Attachment for lathes. No. 1,078,745; Nov. 18; Gaz. vol. 196; p. 581.
- Norvell, William S., Poyner, Tex. Planter and fertilizer-distributor. No. 1,066,310; July 1; Gaz. vol. 192; p. 146.
- Norwall, Carin E., *et al.* (See Nordstrom, Axel R., as-signor.)
- Norwich Automatic Feeder Co., The. (See Enos, Frank Jr., assignor.)
- Norwood, Clarence H., Chicago, Ill. System of electric-motor control. No. 1,063,377; June 3; Gaz. vol. 191; p. 70.
- Norwood, Harry E., and E. B. Davidson, New York, N. Y. Cleaning device. No. 1,056,819; Mar. 25; Gaz. vol. 188; p. 832.
- Norwood, Jay M., assignor of one-half to A. Quinet, Phoe-nix, Ariz. Lady's hat-pin shield. No. 1,077,155; Oct. 28; Gaz. vol. 195; p. 993.
- Nosek, Filip, and F. Gorschek, Nokomis, Ill. Carrier. No. 1,069,898; Aug. 12; Gaz. vol. 193; p. 309.
- Noster, Hugo, Random Lake, Wis. Hub-attaching device. No. 1,067,367; July 15; Gaz. vol. 192; p. 571.
- Notthdurft, Daniel H. (See Bates and Notthdurft.)
- Notthoff, Henry, Los Angeles, Cal. Safety device for eleva-tors. No. 1,071,078; Aug. 26; Gaz. vol. 193; p. 783.
- Notthoff, Henry, Los Angeles, Cal. Safety device for eleva-tors. No. 1,071,079; Aug. 26; Gaz. vol. 193; p. 784.
- Nottingham, Starl, New Hudson, N. Y. Spring-axle. No. 1,067,751; July 15; Gaz. vol. 192; p. 701.
- Novak, Joseph. (See Ives and Novak.)
- Novario, Secondo. (See Dubois, Novario, and Jones.)
- Novelty Hosiery Company. (See Hirner, Emil A., as-signor.)

Alphabetical list of patentees—Continued.

- Novy, Charles, Baltimore, Md. Door-lock. No. 1,055,943; Mar. 11; Gaz. vol. 188; p. 468.
- Nowak, Josef, Munich, Germany. Apparatus for solving equations. No. 1,070,835; Aug. 19; Gaz. vol. 193; p. 669.
- Nowatske, Paul C., Mukwonago, Wis. Pump-operating mechanism. No. 1,077,290; Nov. 4; Gaz. vol. 196; p. 16.
- Nowlin, William D., *et al.* (See Buckeye, George J., assignor.)
- Nowotny, Charles, Bartlett, Tex. Horse-detacher. No. 1,055,213; Mar. 4; Gaz. vol. 188; p. 187.
- Noyes, Arthur A., trustee. (See Keyes, Frederick G., assignor.)
- Noyes, Arthur A., assignor to M. S. Austin, New York, N. Y. Lobster-trap. No. 1,079,576; Nov. 25; Gaz. vol. 196; p. 898.
- Noyes, Charles H., Omaha, Nebr. Harness attachment. No. 1,056,207; Mar. 18; Gaz. vol. 188; p. 593.
- Noyes, Edward P., Winchester, Mass. Valve apparatus. No. 1,069,166; Aug. 5; Gaz. vol. 193; p. 26.
- Noyes, Edward P., Winchester, Mass. Vacuum-controlled differential liquid-level apparatus. No. 1,076,146; Oct. 21; Gaz. vol. 195; p. 590.
- Noyes, Edward P., Winchester, Mass., assignor to C. P. Power Company, Newark, N. J. Automatic storage for compressed fluid. No. 1,058,328; Apr. 8; Gaz. vol. 189; p. 366.
- Noyes, La Verne W., Chicago, Ill. Bar-shaping tool. No. 1,051,752; Jan. 28; Gaz. vol. 186; p. 929.
- Noyes, La Verne W., assignor to Aermotor Company, Chicago, Ill. Sideral sphere. No. 1,079,358; Nov. 25; Gaz. vol. 196; p. 822.
- Nufer, Albert, Jersey City, N. J. Embroidering-machine. No. 1,069,460; Aug. 5; Gaz. vol. 193; p. 130.
- Nugent, Francis A., Sanford, Manitoba, Canada. Sod-pulverizing machine. No. 1,062,660; May 27; Gaz. vol. 190; p. 829.
- Nuhring, Charles, Cincinnati, Ohio. Hose-rack. No. 1,056,208; Mar. 18; Gaz. vol. 188; p. 593.
- Nummy, Samuel J. (See Diden, Edward T., assignor.)
- Nunamacher, William H., Newark, N. J. Car-truck. No. 1,074,811; Oct. 7; Gaz. vol. 195; p. 76.
- Nunes, Manuel J., Niles, Cal. Rail-tie clip. No. 1,051,437; Jan. 28; Gaz. vol. 186; p. 824.
- Nungesser Electric Battery Company, The. (See Nungesser, Philip P., assignor.)
- Nungesser, Philip P., assignor to The Nungesser Electric Battery Company, Cleveland, Ohio. Commutator-brush for electric generators and motors. No. 1,067,620; July 15; Gaz. vol. 192; p. 657.
- Nunn, Thomas M., Martinsville, Va. Acetylene-gas generator. No. 1,064,987; June 17; Gaz. vol. 191; p. 687.
- Nunneley, George A., Bermondsey, assignor to Peek, Frean & Company, Limited, and Joseph Baker & Sons, Limited, London, England. Machine for treating eggs. No. 1,068,695; July 29; Gaz. vol. 192; p. 1096.
- Nurse, Philip, New York, N. Y. Horseshoe calk and carrier. No. 1,074,450; Sept. 30; Gaz. vol. 194; p. 1073.
- Nusly, Albert J., Jr., assignor to Pinafour Toy Manufacturing Company, Canton, Ohio. Toy. No. 1,060,619; May 6; Gaz. vol. 190; p. 19.
- Nuss, Charles W. and W. E., Carrollton, Mo. Acetylene-gas generator. No. 1,057,765; Apr. 1; Gaz. vol. 189; p. 125.
- Nuss, Willis E. (See Nuss, Charles W. and W. E.)
- Nussbaum, Guillaume A., London, England. Microphone. No. 1,069,899; Aug. 12; Gaz. vol. 193; p. 309.
- Nussbaumer, Friedrich, Zug, Switzerland. Boot-protector. No. 1,074,378; Sept. 30; Gaz. vol. 194; p. 1049.
- Nusser, William, Jr., Plevna, Kans. Stirrup. No. 1,082,435; Dec. 23; Gaz. vol. 197; p. 955.
- Nutt, Buell, assignor to The Strong-Kennard & Nutt Company, Cleveland, Ohio. Device for advertising spectacle-lenses and the like. No. 1,061,002; May 6; Gaz. vol. 190; p. 154.
- Nuttall, Daniel E., Emsworth, Pa. Weed-puller. No. 1,082,547; Dec. 30; Gaz. vol. 197; p. 1026.
- Nutter, Edward H., New York, N. Y., assignor to Minerals Separation Limited, London, England. Valve for controlling the flow of thick pulpy material and the like. No. 1,071,784; Sept. 2; Gaz. vol. 194; p. 41.
- Nutter, Edward H., Berkeley, Cal., and H. Lavers, Broken Hill, New South Wales, Australia, assignors to Minerals Separation Limited, London, England. Ore concentration. No. 1,067,485; July 15; Gaz. vol. 192; p. 612.
- Nutter, William H., and R. H. Sims, Lebanon, Oreg. Inner kettle or boiler. No. 1,080,470; Dec. 2; Gaz. vol. 197; p. 193.
- Nutting, Arthur G., St. Paul, Minn., assignor to Chicago Pneumatic Tool Co., Chicago, Ill. Safety device. No. 1,051,251; Jan. 21; Gaz. vol. 186; p. 728.
- Nyberg, Charles, Huntington, N. Y. Tool for compressing valve-springs. No. 1,052,941; Feb. 11; Gaz. vol. 187; p. 408.
- Nyberg, Gust F., Sausalito, Cal. Boiler-tube scraper. No. 1,056,050; Mar. 18; Gaz. vol. 188; p. 539.
- Nyboe, Sophus, Brooklyn, N. Y. Collapsible life-boat. No. 1,062,181; May 20; Gaz. vol. 190; p. 628.
- Nydegger, Adolph, assignor to O. J. Koch, Milwaukee, Wis. Marine propulsion apparatus. No. 1,076,308; Oct. 21; Gaz. vol. 195; p. 646.
- Nydegger, Max, Elizabeth, N. J. Knitting-machine. No. 1,072,639; Sept. 9; Gaz. vol. 194; p. 360.
- Nydegger, Max, Elizabeth, N. J. Knitted garment. No. 1,072,640; Sept. 9; Gaz. vol. 194; p. 360.
- Nye Company. (See Jones, James M., assignor.)
- Nye, George F., Kearney, Nebr. Concrete-mixer. No. 1,081,911; Dec. 16; Gaz. vol. 197; p. 746.
- Nye Tool and Machine Works, The. (See Benson, Charles T., assignor.)
- Nygaard, Thomas, assignor of one-half to A. L. Neubert, Minneapolis, Minn. Branding-machine. No. 1,059,311; Apr. 15; Gaz. vol. 189; p. 741.
- Nygord, Charles. (See Anderson, Andrew, assignor.)
- Nygren, Albert F., *et al.* (See Fagerberg, Frank, assignor.)
- Nygren, Ernest T., *et al.* (See Fagerberg, Frank, assignor.)
- Nygren, Theodore N., Minneapolis, Minn. Brake-actuating mechanism. No. 1,078,107; Nov. 11; Gaz. vol. 196; p. 329.
- Nylander, Joseph L., Seattle, Wash. Electric heater. No. 1,062,111; May 20; Gaz. vol. 190; p. 604.
- Nyquist, Gustaf W., Minneapolis, Minn. Device for pumping air or other fluid. No. 1,078,870; Nov. 18; Gaz. vol. 196; p. 625.
- Nyström, Carl W., Karlstad, Sweden. Automatic keyboard-player. No. 1,058,329; Apr. 8; Gaz. vol. 189; p. 366.
- Nyström, Carl W., Karlstad, Sweden. Apparatus for automatically operating piano-pedals. No. 1,062,249; May 20; Gaz. vol. 190; p. 651.
- O. A. Albrecht Company. (See Albrecht, Oscar A., assignor.)
- O. A. Miller Treeing Machine Company. (See Hansen, John S., assignor.)
- O. K. Manufacturing & Stamping Company, The. (See Sloan, Francis E., assignor.)
- O. K. Nut Lock Company. (See Armstrong, John R., assignor.)
- O. K. Tool Holder Company, The. (See Conklin, George W., assignor.)
- O. K. Tool Holder Company, The. (See Conklin and Robinson, assignors.)
- O. V. Hooker and Son. (See Berry, Elwin S., assignor.)
- O'Bert, John F., Los Angeles, Cal. Cranking device for internal-combustion engines. No. 1,077,291; Nov. 4; Gaz. vol. 196; p. 16.
- O'Bert, John F., Los Angeles, Cal. Starting device for internal-combustion engines. No. 1,077,292; Nov. 4; Gaz. vol. 196; p. 17.
- O'Boyle, Thomas, F. O'Brien, J. Ryan, McGill, and B. Thayer, Ely, Nev. Hydraulic ore-separator. No. 1,056,293; Mar. 18; Gaz. vol. 188; p. 622.
- O'Brien, Arthur P. (See Allen, John A., assignor.)
- O'Brien, Arthur P. (See Richardson, James P., assignor.)
- O'Brien, Arthur P., Mount Vernon, and J. A. Allen, New York, N. Y.; said Allen assignor to said O'Brien. Defibrating-machine. No. 1,075,266; Oct. 7; Gaz. vol. 195; p. 236.
- O'Brien, Daniel P., Woburn, Mass. Machine for treating hides, skins, and leather. No. 1,062,026; May 20; Gaz. vol. 190; p. 575.
- O'Brien, Edward F., West Somerville, assignor to J. R. Green, Somerville, Mass. Shoe-rack. No. 1,058,194; Apr. 8; Gaz. vol. 189; p. 319.
- O'Brien, Ernest W. (See Steckert and O'Brien.)
- O'Brien, Evangeline, San Bernardino, Cal. Separable sanitary nursing-bottle. No. 1,070,516; Aug. 19; Gaz. vol. 193; p. 563.
- O'Brien, Frank. (See O'Boyle, O'Brien, Ryan, and Thayer.)
- O'Brien, James. (See O'Brien, Thomas S. and J.)
- O'Brien, James A., and G. N. Heald, Lewiston, Me. Proscenium-closure and projector-screen. No. 1,075,118; Oct. 7; Gaz. vol. 195; p. 182.
- O'Brien, James F., Chicago, Ill. Explosive. No. 1,070,836; Aug. 19; Gaz. vol. 193; p. 669.
- O'Brien, James F., Chicago, Ill. Explosive. No. 1,070,837; Aug. 19; Gaz. vol. 193; p. 669.
- O'Brien, James F., Chicago, Ill. Combined powder mixer and granulator. No. 1,071,257; Aug. 26; Gaz. vol. 193; p. 843.
- O'Brien, James F., Chicago, Ill. Powder-mill machinery. No. 1,071,258; Aug. 26; Gaz. vol. 193; p. 843.
- O'Brien, James F., Chicago, Ill. Explosive. No. 1,071,949; Sept. 2; Gaz. vol. 194; p. 96.
- O'Brien, James F., Chicago, Ill. Explosive. No. 1,073,279; Sept. 16; Gaz. vol. 194; p. 624.
- O'Brien, John F., and G. F. Bowdle, Piqua, Ohio. Sand cutting and riddling machine. No. 1,081,769; Dec. 16; Gaz. vol. 197; p. 699.
- O'Brien, John J., assignor to Tower Manufacturing & Novelty Co., New York, N. Y. Perpetual calendar. (Reissue.) No. 13,593; July 8; Gaz. vol. 192; p. 492.
- O'Brien, Patrick J. E., Middletown, N. Y. Vehicle-head-light. No. 1,083,126; Dec. 30; Gaz. vol. 197; p. 1225.
- O'Brien, Robert P., Houston, Tex. Drill. No. 1,058,013; Apr. 1; Gaz. vol. 189; p. 211.

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- O'Brien, Terrence, Newark, N. J., assignor to L. A. Myers, Jr., Inc. Buckle. No. 1,075,601; Oct. 14; Gaz. vol. 195; p. 377.
- O'Brien, Thomas S. and J., Kingman, Ariz. Tie-plate and rail-locking key. No. 1,060,485; Apr. 29; Gaz. vol. 189; p. 1219.
- O'Brien, William, and F. W. Waddell, Pittsburgh, Pa. Hose-nozzle. No. 1,059,753; Apr. 22; Gaz. vol. 189; p. 927.
- O'Brien, William E., and E. J. Quinn, Kenosha, Wis. Railway-tie. No. 1,066,520; July 8; Gaz. vol. 192; p. 244.
- O'Brien, William E., and E. J. Quinn, Kenosha, Wis. Rail-fastener. No. 1,067,438; July 15; Gaz. vol. 192; p. 595.
- O'Brien, William P., *et al.* (See Crossley, Albert D., assignor.)
- O'Brien, William S., Nevada City, Cal. Slack-adjuster for car-brakes. No. 1,074,558; Sept. 30; Gaz. vol. 194; p. 1106.
- O'Bryan, George W., Cambria, Va. Mill. No. 1,077,852; Nov. 4; Gaz. vol. 196; p. 209.
- O'Bryan, Gory, assignor of one-fourth to C. H. Jenkins and one-fourth to T. W. Moran, Louisville, Ky. Means for sounding alarm-gongs. No. 1,057,359; Mar. 25; Gaz. vol. 188; p. 1016.
- O'Connell, Daniel C., *et al.* (See Spirewfk, John S., Jr., assignor.)
- O'Connell, James P., Crompton, R. I., assignor of one-half to E. L. Merrow, Malden, Mass. Knot-tying device. No. 1,051,155; Jan. 21; Gaz. vol. 186; p. 697.
- O'Connell, Thomas, St. Paul, Minn. Boiler-stand. No. 1,075,990; Oct. 14; Gaz. vol. 195; p. 509.
- O'Conner, Peter. (See Fenstermaker, George W., assignor.)
- O'Connor, Dennis. (See O'Connor, William J., assignor.)
- O'Connor, George A., West Springfield, Mass. Nut and bolt tightening machine. No. 1,080,994; Dec. 9; Gaz. vol. 197; p. 404.
- O'Connor, James, New York, N. Y. Expression device for mechanical musical instruments. No. 1,056,820; Mar. 25; Gaz. vol. 188; p. 832.
- O'Connor, James, New York, N. Y. Note-sheet-guiding device. No. 1,056,821; Mar. 25; Gaz. vol. 188; p. 832.
- O'Connor, James, New York, N. Y. Tempo-regulator for pneumatic piano-players. No. 1,067,783; May 6; Gaz. vol. 190; p. 75.
- O'Connor, John, and M. P. Brennan, New York, N. Y. Ladle. No. 1,080,120; Dec. 2; Gaz. vol. 197; p. 71.
- O'Connor, John F., Chicago, Ill. Journal-box and lid for cars. No. 1,064,692; June 10; Gaz. vol. 191; p. 556.
- O'Connor, John F., assignor, by mesne assignments, to W. H. Miner, Chicago, Ill. Roller side bearing for railway-cars. No. 1,056,822; Mar. 25; Gaz. vol. 188; p. 833.
- O'Connor, John F., assignor to W. H. Miner, Chicago, Ill. Manufacturing malleable-iron friction cylinders or shells for draft-gear. No. 1,059,484; Apr. 22; Gaz. vol. 189; p. 839.
- O'Connor, John F., assignor, by mesne assignments, to W. H. Miner, Chicago, Ill. Friction draft-rigging. No. 1,060,113; Apr. 29; Gaz. vol. 189; p. 1087.
- O'Connor, John F., assignor to W. H. Miner, Chicago, Ill. Friction draft-rigging. No. 1,060,114; Apr. 29; Gaz. vol. 189; p. 1087.
- O'Connor, John F., assignor to W. H. Miner, Chicago, Ill. Friction draft-rigging for railway-cars. No. 1,060,698; May 6; Gaz. vol. 190; p. 47.
- O'Connor, John F., assignor, by mesne assignments, to W. H. Miner, Chicago, Ill. Draft-rigging for railway-cars. No. 1,064,666; June 10; Gaz. vol. 191; p. 546.
- O'Connor, John F., assignor to W. H. Miner, Chicago, Ill. Railway draft-rigging. No. 1,065,070; June 17; Gaz. vol. 191; p. 714.
- O'Connor, John F., assignor to W. H. Miner, Chicago, Ill. Side bearing for railway-cars. No. 1,065,071; June 17; Gaz. vol. 191; p. 715.
- O'Connor, John F., assignor to W. H. Miner, Chicago, Ill. Friction draft-rigging for railway-cars. No. 1,065,072; June 17; Gaz. vol. 191; p. 715.
- O'Connor, John F., assignor to W. H. Miner, Chicago, Ill. Friction draft-rigging for railway-cars. No. 1,065,073; June 17; Gaz. vol. 191; p. 715.
- O'Connor, John F., assignor to W. H. Miner, Chicago, Ill. Friction draft-rigging. No. 1,067,837; July 22; Gaz. vol. 192; p. 763.
- O'Connor, John F., assignor to W. H. Miner, Chicago, Ill. Railway draft-rigging. No. 1,070,056; Aug. 12; Gaz. vol. 193; p. 361.
- O'Connor, John F., assignor to W. H. Miner, Chicago, Ill. Car-door-sealing device. No. 1,070,057; Aug. 12; Gaz. vol. 193; p. 362.
- O'Connor, John F., assignor to W. H. Miner, Chicago, Ill. Railway draft-rigging. No. 1,070,058; Aug. 12; Gaz. vol. 193; p. 362.
- O'Connor, John F., assignor to W. H. Miner, Chicago, Ill. Bumper-post for railway-service. No. 1,070,059; Aug. 12; Gaz. vol. 193; p. 362.
- O'Connor, John F., assignor to W. H. Miner, Chicago, Ill. Side bearing for railway-cars. No. 1,070,060; Aug. 12; Gaz. vol. 193; p. 363.
- O'Connor, John F., assignor to W. H. Miner, Chicago, Ill. Draft-rigging for railway-cars. No. 1,070,061; Aug. 12; Gaz. vol. 193; p. 363.
- O'Connor, John F., assignor to W. H. Miner, Chicago, Ill. Shock-absorbing device for vehicles. No. 1,073,161; Sept. 16; Gaz. vol. 194; p. 581.
- O'Connor, John F., assignor to W. H. Miner, Chicago, Ill. Draft-rigging for railway-cars. No. 1,073,162; Sept. 16; Gaz. vol. 194; p. 581.
- O'Connor, John F., assignor to W. H. Miner, Chicago, Ill. Draft-rigging for railway-cars. No. 1,073,163; Sept. 16; Gaz. vol. 194; p. 581.
- O'Connor, John F., assignor, by mesne assignments, to W. H. Miner, Chicago, Ill. Friction draft-rigging for railway-cars. No. 1,077,366; Nov. 4; Gaz. vol. 196; p. 44.
- O'Connor, John F., assignor, by mesne assignments, to W. H. Miner, Chicago, Ill. Friction draft-rigging. No. 1,080,922; Dec. 9; Gaz. vol. 197; p. 382.
- O'Connor, John J., Pawtucket, R. I. Spinning machinery. No. 1,074,737; Oct. 7; Gaz. vol. 195; p. 52.
- O'Connor, Martin A., Buffalo, N. Y., assignor to W. H. Miner Company, Chicago, Ill. Draft-rigging. No. 1,079,060; Nov. 18; Gaz. vol. 196; p. 692.
- O'Connor, Michael, *et al.*, trustees. (See Pratt, Edward W., assignor.)
- O'Connor, Thomas, Philadelphia, Pa. Reversible spiral pump. No. 1,056,441; Mar. 18; Gaz. vol. 188; p. 672.
- O'Connor, William J., New York, N. Y. Tap-filter. No. 1,078,370; Nov. 11; Gaz. vol. 196; p. 421.
- O'Connor, William J., assignor of one-half to D. O'Connor, Newark, N. J. Diving apparatus for marine exploration and the like. No. 1,069,281; Aug. 5; Gaz. vol. 193; p. 67.
- O'Day, Thomas F., Somerville, Mass. Manhole structure. No. 1,076,386; Oct. 21; Gaz. vol. 195; p. 673.
- O'Dea, Lawrence. (See Miller, John H., assignor.)
- O'Donnell, Dominick, New York, N. Y. Hosiery. No. 1,076,603; Oct. 21; Gaz. vol. 195; p. 751.
- O'Donnell, Edward J., *et al.* (See Roush and Garnett, assignors.)
- O'Donohue, James P., East Orange, N. J. Telegraphic-tape-perforating apparatus. No. 1,050,163; Jan. 14; Gaz. vol. 186; p. 320.
- O'Dowd, Henry W., Peekskill, N. Y., assignor to W. M. Crane Company. Pressure-controlled valve. No. 1,053,315; Feb. 18; Gaz. vol. 187; p. 580.
- O'Dowd, Henry W., Peekskill, N. Y., assignor to William M. Crane Company. Water-heater. No. 1,064,001; June 10; Gaz. vol. 191; p. 319.
- O'Hara, Belzimer, Orofino, Idaho. Churn. No. 1,077,547; Nov. 4; Gaz. vol. 196; p. 107.
- O'Hara, James T., Lowville, N. Y. Log-decking apparatus. No. 1,078,947; Nov. 18; Gaz. vol. 196; p. 650.
- O'Hara, Robert A. (See Cheatham, Chester W., assignor.)
- O'Hare, James, Washington, Ind. Nut-lock. No. 1,061,776; May 13; Gaz. vol. 190; p. 451.
- O'Harrow, Chas. (See Bordner, Floyd W., assignor.)
- O'Kane, Katherine R. (See Liebenenthal, Herman G., assignor.)
- O'Keefe, Andrew, Newark, N. J. Tool-holder for lathes, &c. No. 1,065,712; June 24; Gaz. vol. 191; p. 968.
- O'Keefe, John. (See Hoffman, Albert F., assignor.)
- O'Kelly, Joseph G., Chicago, Ill. Safety-book. No. 1,071,650; Aug. 26; Gaz. vol. 193; p. 973.
- O'Leary, Daniel. (See O'Leary, Edward P., assignor.)
- O'Leary, Edward P., assignor of one-half to D. O'Leary, Los Angeles, Cal. Universal holder for neckties. No. 1,050,227; Jan. 14; Gaz. vol. 186; p. 341.
- O'Leary, John J., Healdsburg, Cal. Gas-engine starter. No. 1,060,487; Apr. 29; Gaz. vol. 189; p. 1219.
- O'Malley, Ira J., Chicago, Ill. Thermosiphon heating apparatus. No. 1,050,038; Jan. 7; Gaz. vol. 186; p. 244.
- O'Malley, John F., Avoca, Pa. Match-holder. No. 1,066,311; July 1; Gaz. vol. 192; p. 146.
- O'Mara, John J., New York, N. Y. Percolator. No. 1,064,530; June 10; Gaz. vol. 191; p. 500.
- O'Mara, Michael J., assignor to Sargent & Company, New Haven, Conn. Lock. No. 1,059,902; Apr. 22; Gaz. vol. 189; p. 974.
- O'May, James, assignor to P. Lowe, Chicago, Ill. Carbureter attachment. No. 1,083,216; Dec. 30; Gaz. vol. 197; p. 1251.
- O'Meara, Jeremiah, New York, N. Y. Pencil-sharpener. No. 1,072,768; Sept. 9; Gaz. vol. 194; p. 404.
- O'Neal, Arthur V., Alexandria, La. Chain-clamp. No. 1,069,573; Aug. 5; Gaz. vol. 193; p. 167.
- O'Neal, Oscar, Fremont, Mich. Automobile-lamp. No. 1,071,785; Sept. 2; Gaz. vol. 194; p. 41.
- O'Neal, Rudolph L., *et al.* (See O'Neal, William J., assignor.)
- O'Neal, William J., North Braddock, assignor of one-third to V. K. Crozier, Braddock, and one-third to R. L. O'Neal, Homestead, Pa. Punch. No. 1,082,209; Dec. 23; Gaz. vol. 197; p. 876.

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- O'Neill, Jay L., Livermore, Pa. Lantern-carrier. No. 1,051,438; Jan. 28; Gaz. vol. 186; p. 824.
- O'Neill, Benjamin A. (See Willford, Joseph L., assignor.)
- O'Neill, Benjamin A., Minneapolis, Minn. Pulverizing-mill. No. 1,081,860; Dec. 16; Gaz. vol. 197; p. 730.
- O'Neill, Ellis I., *et al.* (See Paxton, Joseph T., assignor.)
- O'Neill, Ellis I. (See Paxton and O'Neill.)
- O'Neill, Ellis I., *et al.* (See Santmyers, Charles A., assignor.)
- O'Neill, Frank, Toledo, Ohio. Vehicle-wheel. No. 1,072,979; Sept. 9; Gaz. vol. 194; p. 483.
- O'Neill, James H., and M. T. Coleman, Macedon, N. Y. Latch mechanism. No. 1,063,466; June 3; Gaz. vol. 191; p. 99.
- O'Neill, James L., Macedon, N. Y. Agricultural machine. No. 1,079,139; Nov. 18; Gaz. vol. 196; p. 719.
- O'Neill, John E., and W. G. Menihan, Corning, N. Y. Saw. No. 1,080,365; Dec. 2; Gaz. vol. 197; p. 158.
- O'Neill, John F., Farnumsville, assignor to Draper Company, Hopedale, Mass. Loom-shuttle. No. 1,064,245; June 10; Gaz. vol. 191; p. 403.
- O'Neill, John T. (See Malone and O'Neill.)
- O'Neill, John W. (See Van Horn, Vandiver J., assignor.)
- O'Neill, Maurice J., assignor of one-half to R. H. Davis, Stamford, Conn. Non-slipping attachment for horse-shoes. No. 1,064,246; June 10; Gaz. vol. 191; p. 403.
- O'Neill, William F., Wilkesburg, Pa. Panel-board support for outlet-boxes. No. 1,065,388; June 24; Gaz. vol. 191; p. 857.
- O'Reilly, James, Sr., and J. O'Reilly, Jr., Hunters Hill, Sydney, New South Wales, Australia. Resilient wheel for road-vehicles. No. 1,065,713; June 24; Gaz. vol. 191; p. 969.
- O'Reilly, John A. H., Winnipeg, Manitoba, Canada. Fluid-propelled machine. No. 1,053,637; Feb. 18; Gaz. vol. 187; p. 690.
- O'Reilly, John S., Roxbury, assignor of one-half to B. J. Heaney, Dorchester, Mass. Game apparatus. No. 1,074,451; Sept. 30; Gaz. vol. 194; p. 1073.
- O'Riely, Cornelius J., Los Angeles, Cal. Fruit-picker's receptacle. No. 1,064,761; June 17; Gaz. vol. 191; p. 615.
- O'Riely, Cornelius J., Los Angeles, Cal. Water-bag. No. 1,068,362; July 22; Gaz. vol. 192; p. 944.
- O'Rourke, Michael J., Salem, Mass. Instep-support. No. 1,081,057; Dec. 9; Gaz. vol. 197; p. 424.
- O'Rourke, William F., assignor to The Payson Manufacturing Company, Chicago, Ill. Transom-lifter. No. 1,066,435; July 1; Gaz. vol. 192; p. 184.
- O'Rourke, William F., assignor to The Payson Manufacturing Company, Chicago, Ill. Bracket. No. 1,082,549; Dec. 30; Gaz. vol. 197; p. 1027.
- O'Toole, John, Los Angeles, Cal. Windmill. No. 1,075,060; Oct. 7; Gaz. vol. 195; p. 163.
- O'Toole, Patrick S., St. Louis, Mo. Combination shaft support and antirattler. No. 1,054,137; Feb. 25; Gaz. vol. 187; p. 896.
- Oak Park Trust & Savings Bank, The, trustee. (See Walker, George A., assignor.)
- Oakes, Frank, Chicago, Ill. Safety device for clutches. No. 1,066,750; July 8; Gaz. vol. 192; p. 327.
- Oakville Company. (See Boden, George, assignor.)
- Oathout, Arthur N., Gloversville, assignor to L. Meyer & Son, New York, N. Y. Attachment for sewing-machines. No. 1,072,489; Sept. 9; Gaz. vol. 194; p. 307.
- Oatley, Henry B., Flushing, assignor to Locomotive Superheater Company, New York, N. Y. Automatic combined damper and drifting-valve. No. 1,075,157; Oct. 7; Gaz. vol. 195; p. 195.
- Oberer, Fredolien J., assignor to H. W. Hollis, Chehalis, Wash. Door-operating mechanism. No. 1,057,165; Mar. 25; Gaz. vol. 188; p. 952.
- Oberheim, Albert, Ogden, Utah. Razor and guard therefor. No. 1,077,545; Nov. 4; Gaz. vol. 196; p. 107.
- Oberkirch, Frank. (See Ashley and Oberkirch.)
- Oberley, Charles G., St. Cloud, and R. Grignon, Sartell, Minn. Friction-clutch. No. 1,055,787; Mar. 11; Gaz. vol. 188; p. 417.
- Obermann, August W., Johnstown, Pa. Receptacle and utensil. No. 1,052,942; Feb. 11; Gaz. vol. 187; p. 408.
- Obermiller, James A., and P. Eickenberg, Chicago, Ill. Panel-board switch. No. 1,082,759; Dec. 30; Gaz. vol. 197; p. 1102.
- Oberrender, Elliot A. (See Christman, Albert R., assignor.)
- Oberstadt, Graf O. B. von, Chicago, Ill. Signaling device. No. 1,071,948; Sept. 2; Gaz. vol. 194; p. 95.
- Oberste, William, Long Island City, N. Y. Condenser. No. 1,059,685; Apr. 22; Gaz. vol. 189; p. 904.
- Obstler, Joseph, New York, N. Y. Derrick. No. 1,076,992; Oct. 28; Gaz. vol. 195; p. 942.
- Ocampo, Sixto, New York, N. Y. Means for the systematic control of electric circuits by light-rays. No. 1,072,152; Sept. 2; Gaz. vol. 194; p. 166.
- Ocean Beach Gold Platinum Dredge Company. (See Bassett, Robert S., assignor.)
- Ochs, Clarence, Coalinga, Cal. Automatic stop for well-tubing. No. 1,079,659; Nov. 25; Gaz. vol. 196; p. 926.
- Ocuppaugh, Charles H., Rochester, N. Y. Voting-machine. No. 1,061,944; May 13; Gaz. vol. 190; p. 505.
- Ocuppaugh, Charles H., Rochester, N. Y. Interlocking mechanism for voting-machines. No. 1,080,157; Dec. 2; Gaz. vol. 197; p. 84.
- Oddey, William L., Eltham, England. Vaporizer for fumigating, perfuming, and the like. No. 1,075,267; Oct. 7; Gaz. vol. 195; p. 236.
- Oddo, Nicoll C., Middletown, N. Y. Automobile-horn. No. 1,066,037; July 1; Gaz. vol. 192; p. 47.
- Oddo, Nicoll C., Middletown, N. Y. Automobile-horn. No. 1,066,038; July 1; Gaz. vol. 192; p. 47.
- Odell, Edward F., McKinney, Tex. Rail-joint. No. 1,051,511; Jan. 28; Gaz. vol. 186; p. 850.
- Odell, John. (See Moon and Odell.)
- Odell, Levi J., Glendora, Cal. Razor-sharpening machine. No. 1,051,817; Jan. 28; Gaz. vol. 186; p. 951.
- Odell, Levi J., Glendora, assignor to Odell Manufacturing Company, Los Angeles, Cal. Device for sharpening blades. No. 1,051,818; Jan. 28; Gaz. vol. 186; p. 951.
- Odell Manufacturing Company. (See Odell, Levi J., assignor.)
- Odenrider, Henry C., Wilbur, Wash. Equalizer. No. 1,060,013; Apr. 29; Gaz. vol. 189; p. 1055.
- Oderman, Erik H., assignor to Frick Company, Waynesboro, Pa. Valve. No. 1,069,282; Aug. 5; Gaz. vol. 193; p. 68.
- Odner, Valentin J., St. Petersburg, Russia. Carriage for range-finders. No. 1,068,159; July 22; Gaz. vol. 192; p. 873.
- Odlin, Harry W., Edgartown, Mass., assignor of one-half to F. G. Burke, Jr., New York, N. Y. Aeroplane. No. 1,052,943; Feb. 11; Gaz. vol. 187; p. 409.
- Odquist, Victor, Yonkers, assignor to American Can Company, New York, N. Y. Cracker-box detent. No. 1,055,486; Mar. 11; Gaz. vol. 188; p. 317.
- Oechsle, Theodore F., Philadelphia, Pa. Metal sash-bar. No. 1,062,354; May 20; Gaz. vol. 190; p. 685.
- Oehring, Oscar, Eisleben, Germany. Manufacture of postage-stamps in strips. No. 1,071,455; Aug. 26; Gaz. vol. 193; p. 909.
- Oelke, Theodore G., Anadarko, Okla. Vehicle hub and axle. No. 1,072,250; Sept. 2; Gaz. vol. 194; p. 197.
- Oertel, Clarence M., Milwaukee, Wis. Dirigible headlight-support. No. 1,060,486; Apr. 29; Gaz. vol. 189; p. 1219.
- Oertel, Karl, assignor to Gesellschaft für Patentverwertung m. b. H., Berlin, Germany. Headed wire pin. No. 1,063,057; May 27; Gaz. vol. 190; p. 959.
- Oesterreicher, Otto. (See Schrey and Oesterreicher.)
- Oestreich, Charles, Marion, Wis. Saw filing and setting frame. No. 1,074,134; Sept. 30; Gaz. vol. 194; p. 968.
- Oestreicher, Frank, *et al.* (See Watts, Augustus C., assignor.)
- Oeth, Cornelius E. (See Mellor and Oeth.)
- Ofeldt, Frank W., Hoboken, N. J. Vehicle-wheel and tire member therefor. No. 1,056,294; Mar. 18; Gaz. vol. 188; p. 622.
- Offenhausser, Christopher. (See Machalske, Florentine J., assignor.)
- Offermann, Adolph, Davenport, Iowa. Power-shovel. No. 1,064,528; June 10; Gaz. vol. 191; p. 499.
- Offermann, Erich, Aix-la-Chapelle, Germany. Grinding or polishing machine movable on the surface to be treated. No. 1,064,529; June 10; Gaz. vol. 191; p. 499.
- Offermann, Joseph. (See Broman and Offermann.)
- Officer, Thomas. (See Ball and Officer.)
- Offill-Thon Manufacturing Company, The. (See Ash, Harry B., assignor.)
- Offutt, John W., Ellwood City, Pa. Saw-guard. No. 1,072,401; Sept. 2; Gaz. vol. 194; p. 249.
- Ogden, Edmund J., Springfield, Ill. Corn-planter. No. 1,079,797; Nov. 25; Gaz. vol. 196; p. 977.
- Ogden, Fredric D., deceased, Bayonne, N. J.; J. E. Ogden, administrator, assignor, by mesne assignments, to The Patent Appliance Company. Bolt. No. 1,065,266; June 17; Gaz. vol. 191; p. 778.
- Ogden, George H. (See Gilkey and Ogden.)
- Ogden, J. Edward. (See Marshall, Ernest W., assignor.)
- Ogden, J. Edward, administrator. (See Ogden, Fredric D.)
- Ogden, John E., Brooklyn, N. Y. Cable-clamp. No. 1,060,014; Apr. 29; Gaz. vol. 189; p. 1056.
- Ogden, John E., Brooklyn, N. Y. Cable-clamp. No. 1,060,015; Apr. 29; Gaz. vol. 189; p. 1056.
- Ogden, John E., Brooklyn, N. Y. Cable-clamp. No. 1,060,016; Apr. 29; Gaz. vol. 189; p. 1056.
- Ogden, William H., Binghamton, N. Y. Rotary engine. No. 1,060,699; May 6; Gaz. vol. 190; p. 47.
- Ogden, William P., Denver, Colo. Concentrator. No. 1,071,456; Aug. 26; Gaz. vol. 193; p. 909.
- Ogg, James, Pahala, Hawaii. Cane-unloader. No. 1,059,312; Apr. 15; Gaz. vol. 189; p. 742.
- Ogg, James, Pahala, Hawaii. Pipe-fitting tool. No. 1,065,387; June 24; Gaz. vol. 191; p. 857.
- Ogier, Felix F., Butte, Mont. Veterinary instrument. No. 1,067,368; July 15; Gaz. vol. 192; p. 572.

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- Ogilvy, David J., Cincinnati, Ohio. Binder for core-making. (Reissue.) No. 13,559; Apr. 29; Gaz. vol. 189; p. 1250.
- Ogle, Edward, Dallas, Tex. Burglar-alarm. No. 1,078,550; Nov. 11; Gaz. vol. 196; p. 481.
- Ogle, Harley A., assignor to T. E. Daniels, Chicago, Ill. Motor or engine. No. 1,078,305; Nov. 11; Gaz. vol. 196; p. 399.
- Ogle, Harley C., Dexter City, assignor of one-half to L. Stevens, Marietta, Ohio. Electric motor. No. 1,057,394; Mar. 25; Gaz. vol. 188; p. 1027.
- Ogle, Percy J., assignor to himself and Mineral Concentrators Limited, London, England. Machinery for separating materials of different specific gravity. No. 1,050,991; Jan. 21; Gaz. vol. 186; p. 641.
- Oglesby, George T., Frankfort, Ind. Stove. No. 1,049,904; Jan. 7; Gaz. vol. 186; p. 198.
- Oglesby, Harry, Chester, Pa. Window-shade adjuster. No. 1,076,905; Oct. 28; Gaz. vol. 195; p. 911.
- Oglesby, John M., Green Pond, Ala. Wing attachment. No. 1,078,371; Nov. 11; Gaz. vol. 196; p. 422.
- Ohio Blower Company, The. (See Joch, Anton, assignor.)
- Ohio Blower Company, The. (See Swartwout, Denton K., assignor.)
- Ohio Brass Company, The. (See Bolus, Glenn H., assignor.)
- Ohio Brass Company, The. (See Mead and Denneen, assignors.)
- Ohio Brass Company, The. (See Mead and Kempton, assignors.)
- Ohio Chemical and Manufacturing Company, The. (See Clarke, Graham, assignor.)
- Ohio Rake Company, The. (See Lathrop, Frank K., assignor.)
- Ohlgart, George P. (See Oliver and Ohlgart.)
- Ohlrau, William F., Albuquerque, N. Mex. Door-assembling machine. No. 1,069,805; Aug. 12; Gaz. vol. 193; p. 277.
- Ohlson, Karl J., Chicago, Ill. Lamp-support. No. 1,079,715; Nov. 25; Gaz. vol. 196; p. 946.
- Ohlson, Olof, Newton, Mass. Flying-machine. No. 1,060,115; Apr. 29; Gaz. vol. 189; p. 1088.
- Ohlsson, Charles J., New York, N. Y. Vehicle-wheel. No. 1,053,636; Feb. 18; Gaz. vol. 187; p. 690.
- Ohlsson, Charles J., New York, N. Y. Grip-tread for vehicle-tires. No. 1,080,923; Dec. 9; Gaz. vol. 197; p. 382.
- Ohlsson, Johan A., Stockholm, Sweden. Safety-razor. No. 1,083,026; Dec. 30; Gaz. vol. 197; p. 1192.
- Ohlsson, Olof, Södertelje, Sweden. Lubricator. No. 1,062,846; May 27; Gaz. vol. 190; p. 889.
- Ohlsson, Olof, Södertelje, Sweden. Feeding means for internal-combustion engines. No. 1,066,939; July 8; Gaz. vol. 192; p. 389.
- Ohlweiler, William M. (See Kone, George W., assignor.)
- Ohmer Fare Register Company, The. (See Ehrlich, Leo, assignor.)
- Ohmer Fare Register Company. (See Ohmer, John F., assignor.)
- Ohmer Fare Register Company. (See Towle, Joseph H., assignor.)
- Ohmer, John F., Dayton, Ohio. Printing mechanism for ticket issuing and auditing machines. No. 1,056,765; Mar. 18; Gaz. vol. 188; p. 787.
- Ohmer, John F., assignor to Ohmer Fare Register Company, Dayton, Ohio. Turnstile. No. 1,050,070; Jan. 7; Gaz. vol. 186; p. 255.
- Ohmer, John F., Dayton, Ohio, assignor to Ohmer Fare Register Company, Rochester, N. Y. Fare-register. (Reissue.) No. 13,520; Jan. 28; Gaz. vol. 186; p. 964.
- Ohmer, John F., Dayton, Ohio, assignor to Ohmer Fare Register Company, Rochester, N. Y. Annunciator or indicator for street and interurban car lines. No. 1,061,628; May 13; Gaz. vol. 190; p. 402.
- Ohmer, John F., Dayton, Ohio, assignor to Ohmer Fare Register Company, Rochester, N. Y. Operating mechanism for fare-registers. (Reissue.) No. 13,566; May 20; Gaz. vol. 190; p. 764.
- Ohmer, John F., assignor to Ohmer Fare Register Company, Dayton, Ohio. Fare-register-operating mechanism. No. 1,067,131; July 8; Gaz. vol. 192; p. 453.
- Ohmer, John F., assignor to Ohmer Fare Register Company, Dayton, Ohio. Actuating mechanism for fare-registers. No. 1,077,939; Nov. 4; Gaz. vol. 196; p. 240.
- Ohmer, Wilfred I., D. B. Whistler, and J. E. McAllister, assignors to The Recording and Computing Machines Company, Dayton, Ohio. Register. No. 1,056,824; Mar. 25; Gaz. vol. 188; p. 834.
- Oie, Lars L., San Pedro, Cal. Valve. No. 1,065,466; June 24; Gaz. vol. 191; p. 885.
- Oie, Lars L., San Pedro, Cal. Distributing-valve for acetylene-tanks. No. 1,070,062; Aug. 12; Gaz. vol. 193; p. 363.
- Oil Utilities Company. (See Porter and Rider, assignors.)
- Ollar, Forrest L., La Fayette, Ind. Bed attachment. No. 1,072,490; Sept. 9; Gaz. vol. 194; p. 308.
- Okamiya, Yoshikazu, New York, N. Y. Sanitary brush. No. 1,057,450; Apr. 1; Gaz. vol. 189; p. 19.
- Okun, Morris B., Seattle, Wash. Wheel. No. 1,058,998; Apr. 15; Gaz. vol. 189; p. 634.
- Okun, Morris B., Chicago, Ill. Bed-rail attachment. No. 1,076,838; Oct. 28; Gaz. vol. 195; p. 886.
- Olander, Alfred N., Salina, Kans. Window-ventilator. No. 1,063,464; June 3; Gaz. vol. 191; p. 99.
- Olander, Arvid, assignor of one-half to A. T. Moberg, New York, N. Y. Clothes-line support. No. 1,063,283; June 3; Gaz. vol. 191; p. 39.
- Olausson, Karl O. E., Trollhättan, assignor to Trollhättans Elektrottermiska Aktiebolag, Stockholm, Sweden. Smelting-furnace. No. 1,081,912; Dec. 16; Gaz. vol. 197; p. 746.
- Old, Ernest, Hawley, Tex. Cuspidor handle and carrier. No. 1,071,457; Aug. 26; Gaz. vol. 193; p. 910.
- Old, William S., Youngstown, Ohio. Nut-lock. No. 1,077,425; Nov. 4; Gaz. vol. 196; p. 66.
- Oldenbusch, Ernest, New York, N. Y. Desk-pad. No. 1,050,747; Jan. 14; Gaz. vol. 186; p. 519.
- Oldendorph, Henry, Belleville, Ill., and W. M. Oldendorph, St. Louis, Mo. Plow. No. 1,067,268; July 15; Gaz. vol. 192; p. 537.
- Oldendorph, Walter M. (See Oldendorph, Henry and W. M.)
- Oldewage, Gustave. (See Atkins, Leslie B., assignor.)
- Oldfield, Edwin, Norwich, Conn. Ball-bearing. No. 1,051,625; Jan. 28; Gaz. vol. 186; p. 889.
- Oldfield, Robert A., Bordesley, Birmingham, England. Mount for lenses, mirrors, and the like. No. 1,057,262; Mar. 25; Gaz. vol. 188; p. 986.
- Oldham, Joseph R., Cleveland, Ohio. Ship construction. No. 1,066,039; July 1; Gaz. vol. 192; p. 48.
- Oldham, Samuel, assignor to George Oldham & Son Company, Philadelphia, Pa. Pneumatic sand-rammer. No. 1,075,057; Oct. 7; Gaz. vol. 195; p. 162.
- Olechna, Peter K., Schenectady, N. Y. Vehicle running-gear. No. 1,069,806; Aug. 12; Gaz. vol. 193; p. 277.
- Olechnowicz, Frank, Mineola, N. Y. Boat-equilibrator. No. 1,082,133; Dec. 23; Gaz. vol. 197; p. 851.
- Oler, Benjamin F., Elmhurst, N. Y., assignor to The Union Switch and Signal Company, Swissvale, Pa. Controlling apparatus for railway cars or trains. No. 1,070,283; Aug. 12; Gaz. vol. 193; p. 440.
- Oleson, Chester G., South Haven, Mich. Paint-brush keeper. No. 1,050,381; Jan. 14; Gaz. vol. 186; p. 395.
- Olfe, Otto H., assignor to Banner Iron Works, St. Louis, Mo. Staircase. No. 1,051,753; Jan. 28; Gaz. vol. 186; p. 930.
- Olier, André. (See Solomiac and Olier.)
- Olin, Clarence G., Windsor, Ohio. Exercising device for horses. No. 1,062,495; May 20; Gaz. vol. 190; p. 733.
- Olin, De Witt C., Kalamazoo, Mich. Compound for stopping leaks. No. 1,056,575; Mar. 18; Gaz. vol. 188; p. 720.
- Olinger, John B. (See Cummings, Martin E., assignor.)
- Oliphant, Clarence C., assignor to W. H. Earl, Lockport, N. Y. Discharger for bottles. No. 1,075,268; Oct. 7; Gaz. vol. 195; p. 236.
- Oliver Chilled Plow Works. (See Altgelt and Carlson, assignors.)
- Oliver Chilled Plow Works. (See Freeman and Williams, assignors.)
- Oliver Chilled Plow Works. (See Heylman, Edward M., assignor.)
- Oliver Chilled Plow Works. (See Paul, William L., assignor.)
- Oliver, Christian, and O. G. Jacobson, Baltimore, Md. Propelling mechanism. No. 1,061,110; May 6; Gaz. vol. 190; p. 189.
- Oliver, Edd C., Detroit, Mich. Flexible shaft. No. 1,069,283; Aug. 5; Gaz. vol. 193; p. 68.
- Oliver Electric Company. (See Oliver, William B., assignor.)
- Oliver, Elmer, Daytona, Fla. Tire-filling machine. No. 1,057,451; Apr. 1; Gaz. vol. 189; p. 19.
- Oliver, Frederick M., Pendleton, Oreg. Weeder. No. 1,049,905; Jan. 7; Gaz. vol. 186; p. 199.
- Oliver, Henry T., Newark, assignor, by mesne assignments, to New Jersey Patent Company, West Orange, N. J. Camera focusing device. No. 1,076,694; Oct. 28; Gaz. vol. 195; p. 836.
- Oliver, Herbert R., and G. P. Ohlgart, assignors to The American Automatic Shoe Polishing Machine Co., Baltimore, Md. Machine for polishing boots and shoes. No. 1,053,979; Mar. 11; Gaz. vol. 188; p. 481.
- Oliver, Joseph C., San Jose, Cal. Portable photographic developing device. No. 1,080,995; Dec. 9; Gaz. vol. 197; p. 405.
- Oliver Motor Car Co. (See Nash, Lawrence S., assignor.)
- Oliver, Sewall K. (See Porter and Oliver.)
- Oliver, Thomas B., assignor to The A. B. Hendryx Co., New Haven, Conn. Bird-cage. No. 1,070,063; Aug. 12; Gaz. vol. 193; p. 364.
- Oliver Typewriter Company, The. (See Knapp, Theron L., assignor.)
- Oliver Typewriter Company, The, *et al.* (See Schneeloch, August, assignor.)
- Oliver Typewriter Company, The, *et al.* (See Schneeloch and Smith, assignors.)

Alphabetical list of patentees—Continued.

- Oliver, William B., Collingswood, N. J. Amplifying-case for microtelephones. No. 1,078,746; Nov. 18; Gaz. vol. 196; p. 581.
- Oliver, William B., Collingswood, N. J., assignor to Oliver Electric Company, Philadelphia, Pa. Electrotherapeutic appliance. No. 1,049,759; Jan. 7; Gaz. vol. 186; p. 149.
- Oliver, William B., Collingswood, N. J., assignor to Oliver Electric Company, Philadelphia, Pa. Microtelephone. No. 1,074,286; Sept. 30; Gaz. vol. 194; p. 1018.
- Olivier, Etienne L. A., Paris, France. Resilient tire for wheels. No. 1,054,444; Feb. 25; Gaz. vol. 187; p. 1002.
- Olley, Edwin A., assignor to Crouse-Hinds Company, Syracuse, N. Y. Incandescent-electric-lamp socket. No. 1,079,660; Nov. 25; Gaz. vol. 196; p. 926.
- Olley, Raymond H., assignor to Crouse-Hinds Company, Syracuse, N. Y. Electric alarm system. No. 1,050,228; Jan. 14; Gaz. vol. 186; p. 341.
- Olli, Isaac, Crestmont, N. C. Hook. No. 1,055,214; Mar. 4; Gaz. vol. 188; p. 187.
- Olman, Jacob, New York, N. Y. Door-hanger. No. 1,067,486; July 15; Gaz. vol. 192; p. 612.
- Olmstead, Chauncey L., assignor to Olmstead-Quaboag Corset Company, West Brookfield, Mass. Corset construction. No. 1,051,626; Jan. 28; Gaz. vol. 186; p. 889.
- Olmstead-Quaboag Corset Company. (See Olmstead, Chauncey L., assignor.)
- Olmstead, Roscoe C., *et al.* (See McIntosh, George L., assignor.)
- Olmstead, William L., Redlands, Cal. Cushion-wheel and pump therefor. No. 1,067,439; July 15; Gaz. vol. 192; p. 596.
- Olmsted, Clyde R. (See Wolff, William H., assignor.)
- Olmsted, David R., Council Bluffs, Iowa. Wave-motor. No. 1,077,156; Oct. 28; Gaz. vol. 195; p. 993.
- Olmsted, Elmer S., Beechmont, assignor to Cheatham Electric Switching Device Company, Louisville, Ky. Electrically-controlled railway-switch. No. 1,079,991; Dec. 2; Gaz. vol. 197; p. 25.
- Olmsted, Frederick L., Brookline, and J. W. Baston, Arlington, Mass.; said Baston assignor to said Olmsted. Abrading-cylinder. No. 1,070,284; Aug. 12; Gaz. vol. 193; p. 441.
- Olpp, Josef, Pforzheim, Germany, assignor to F. C. Geiger, Orange, N. J. Bracelet. No. 1,067,671; July 15; Gaz. vol. 192; p. 675.
- Olsen, Aksel, Christiania, Norway. Entrail-cleaning machine. No. 1,077,488; Nov. 4; Gaz. vol. 196; p. 88.
- Olsen, Carl L., assignor to E. C. Atkins and Company, Indianapolis, Ind. Saw-swage. No. 1,074,010; Sept. 23; Gaz. vol. 194; p. 898.
- Olsen, Einar J., assignor of one-fourth to G. Groschen, Minneapolis, Minn. Bed-rail joint. No. 1,077,995; Nov. 11; Gaz. vol. 196; p. 290.
- Olsen, Halvor M. (See Rau and Olsen.)
- Olsen, John, Rolfe, Iowa. Signaling system. No. 1,082,436; Dec. 23; Gaz. vol. 197; p. 956.
- Olsen, John C., assignor of one-half to P. McArthur, Chicago, Ill. Rotary engine. No. 1,067,190; July 8; Gaz. vol. 192; p. 474.
- Olsen, Jorgen, Tottenville, N. Y. Cutting-bit. No. 1,081,859; Dec. 16; Gaz. vol. 197; p. 730.
- Olsen, Lawrence, Philadelphia, Pa. Tenoning-machine. No. 1,082,760; Dec. 30; Gaz. vol. 197; p. 1103.
- Olsen, Martin, St. Paul, Minn. Change-speed gearing. No. 1,055,944; Mar. 11; Gaz. vol. 188; p. 469.
- Olsen, Olaf P., *et al.* (See Stenersen, Ole, assignor.)
- Olsen, Pedro A., Inglewood, Wash. Saw-set. No. 1,060,784; May 6; Gaz. vol. 190; p. 75.
- Olsen, Peter. (See Hansen and Olsen.)
- Olsen, Sigward, Brooklyn, N. Y., assignor to The Brookfield Glass Company, Old Bridge, N. J. Press for molding insulators or similar articles. No. 1,049,594; Jan. 7; Gaz. vol. 186; p. 96.
- Olsen, Svend. (See Thiem, Walter, assignor.)
- Olsen, Svend, Halle-on-the-Saale, Germany. Air-gas apparatus. No. 1,080,471; Dec. 2; Gaz. vol. 197; p. 193.
- Olsen, Waldemar J. P., Brooklyn, N. Y., assignor of one-half to Western Stopper Company, San Francisco, Cal. Machine for capping receptacles. No. 1,059,949; Apr. 22; Gaz. vol. 189; p. 990.
- Olson, Abel, Winlaw, British Columbia, Canada. Envelop-sealer. No. 1,059,385; Apr. 22; Gaz. vol. 189; p. 803.
- Olson, Albin, New York, N. Y. Shade-roller. No. 1,057,493; Apr. 1; Gaz. vol. 189; p. 33.
- Olson, Alfred A., Riverside, Ill. Boiler sediment-separator. No. 1,067,838; July 22; Gaz. vol. 192; p. 764.
- Olson, Andrew G., and J. A. Dols, Elbow Lake, Minn. Grain-car door. No. 1,074,193; Sept. 30; Gaz. vol. 194; p. 987.
- Olson, Andrew G., and A. A. Boberg, St. Joseph, Mo. Hog-scraper. No. 1,078,211; Nov. 11; Gaz. vol. 196; p. 364.
- Olson, Axel G., Two Harbors, Minn. Lifting-jack. No. 1,049,906; Jan. 7; Gaz. vol. 186; p. 199.
- Olson, Axel G., Two Harbors, Minn. Means for operating train-pipe air-brake valves. No. 1,070,838; Aug. 19; Gaz. vol. 193; p. 669.
- Olson, Bert A., Chicago, Ill. Station-indicator. No. 1,052,509; Feb. 11; Gaz. vol. 187; p. 260.
- Olson, Bert A., and O. A. Berg, Chicago, Ill. Hose-bridge. No. 1,057,577; Apr. 1; Gaz. vol. 189; p. 61.
- Olson, Carl H., *et al.* (See Edman, John, assignor.)
- Olson, Carl M., assignor to F. O. Hellstrom, Grove, N. D. Railway-rail. No. 1,056,116; Mar. 18; Gaz. vol. 188; p. 562.
- Olson, Carl M., and F. O. Hellstrom, assignors to F. O. Hellstrom, Grove, N. D. Railway-rail. No. 1,057,578; Apr. 1; Gaz. vol. 189; p. 62.
- Olson, Charles, Encampment, Wyo. Water-motor. No. 1,054,710; Mar. 4; Gaz. vol. 188; p. 18.
- Olson, Charles S., *et al.* (See Zahl, Hjalmar, assignor.)
- Olson, Elias, Jewell, Iowa. Post-puller. No. 1,074,974; Oct. 7; Gaz. vol. 195; p. 130.
- Olson, Harry A. (See Anderson, Peter, assignor.)
- Olson, Harry E. A. (See Nelson, William J., assignor.)
- Olson, Ingebrigh H., T. A. Rorem, and J. H. Hill, Tofield, Alberta, assignors of one-fourth to J. Cormack and H. A. Mackie, Edmonton, Canada. Brush-cutter. No. 1,063,176; May 27; Gaz. vol. 190; p. 999.
- Olson, John, Bradley, assignor to Sears, Roebuck and Company, Chicago, Ill. Hay-rake. No. 1,050,992; Jan. 21; Gaz. vol. 186; p. 641.
- Olson, John, Bradley, assignor to Sears, Roebuck and Company, Chicago, Ill. Disk harrow. No. 1,060,280; Apr. 29; Gaz. vol. 189; p. 1147.
- Olson, John, Bradley, assignor to Sears, Roebuck and Company, Chicago, Ill. Agricultural implement. No. 1,062,602; May 27; Gaz. vol. 190; p. 809.
- Olson, John, Bradley, assignor, by mesne assignments, to Sears, Roebuck & Company, Chicago, Ill. Hay-press. No. 1,071,259; Aug. 26; Gaz. vol. 193; p. 844.
- Olson, John J., Superior, Wis. Air-cylinder. No. 1,050,287; Jan. 14; Gaz. vol. 186; p. 362.
- Olson, John O., St. Paul, and C. S. Carlberg, Minneapolis, assignors to Spiral Radiator Company, St. Paul, Minn. Hot-water heater. No. 1,056,932; Mar. 25; Gaz. vol. 188; p. 872.
- Olson, John O., St. Paul, and C. S. Carlberg, Minneapolis, assignors to Spiral Radiator Company, St. Paul, Minn. Heating system. No. 1,065,074; June 17; Gaz. vol. 191; p. 716.
- Olson, Lewis, Madison, Wis. Fence-post brace. No. 1,056,576; Mar. 18; Gaz. vol. 188; p. 720.
- Olson, Lewis H., Melville, Saskatchewan, Canada, assignor of one-half to M. Erickson, Galesburg, N. D. Plow. No. 1,078,871; Nov. 18; Gaz. vol. 196; p. 626.
- Olson, Martin J., Ishpeming, Mich. Organ-tuner's keyboard-player. No. 1,051,156; Jan. 21; Gaz. vol. 186; p. 697.
- Olson, Ole K., assignor of one-half to J. E. Freeberg, Redmond, Oreg. Tool. No. 1,051,754; Jan. 28; Gaz. vol. 186; p. 930.
- Olson, Otto J., Courtenay, N. D. Spring-wheel. No. 1,063,465; June 3; Gaz. vol. 191; p. 99.
- Olson, Paul B., Chicago, Ill. Automatic tempo-regulator. No. 1,076,695; Oct. 28; Gaz. vol. 195; p. 836.
- Olson, Soren J., *et al.* (See Schell, Max P., assignor.)
- Olson, Thomas, and C. Hammersberg, La Crosse, Wis. Automatic sight-feed lubricator. No. 1,072,978; Sept. 9; Gaz. vol. 194; p. 482.
- Olson, William E., Chicago, Ill. Shelf tag-holder. No. 1,066,140; July 1; Gaz. vol. 192; p. 83.
- Olsson, Albin, Renton, Wash. Log-car. No. 1,074,812; Oct. 7; Gaz. vol. 195; p. 76.
- Olsson, John W., Newport News, Va. Folding umbrella. No. 1,063,378; June 3; Gaz. vol. 191; p. 71.
- Olsson, Zacharias, River View, Hampton Hill, assignor to Gummi (U. S. A.) Limited, London, England. Manufacture of elastic materials. No. 1,061,111; May 6; Gaz. vol. 190; p. 189.
- Oltmanns, Herman, assignor to Peoria Tent & Awning Co., Peoria, Ill. Gearing for awnings. No. 1,060,281; Apr. 29; Gaz. vol. 189; p. 1147.
- Olton, Lawrence, assignor of one-half to M. Di Paolo, Philadelphia, Pa. Filing-cabinet. No. 1,059,198; Apr. 15; Gaz. vol. 189; p. 703.
- Oltsch, George J., South Bend, Ind. Box-end-stapling machine. No. 1,050,844; Jan. 21; Gaz. vol. 186; p. 588.
- Olver, Hiram G., Ludington, La. Cutter-head for matching and dressing lumber. No. 1,068,361; July 22; Gaz. vol. 192; p. 943.
- Olver, William H., Oshkosh, Wis. Ironing-machine. No. 1,082,548; Dec. 30; Gaz. vol. 197; p. 1026.
- Oman, Amos H. (See Fritz, Julius L., assignor.) (Re-issue.)
- Oman, Erik. (See Frestadins, Norlin, and Oman.)
- Ommundsen, Harcourt, assignor of one-third to E. J. D. Newitt, London, and one-third to S. R. Hollick, West-cliff-on-Sea, Essex, England. Sighting of small-arms and ordnance. No. 1,055,551; Mar. 11; Gaz. vol. 188; p. 337.
- Onderdonk, Lansing, New York, N. Y., assignor to The Union Special Machine Company, Chicago, Ill. Power-transmission belt. No. 1,050,382; Jan. 14; Gaz. vol. 186; p. 396.
- Onderdonk, Lansing, New York, N. Y., assignor to Union Special Machine Company, Chicago, Ill. Sewing-machine. No. 1,064,667; June 10; Gaz. vol. 191; p. 546.

Alphabetical list of patentees—Continued.

- Onderdonk, Lansing, New York, N. Y., assignor to Union Special Machine Company, Chicago, Ill. Loooper-operating mechanism for sewing-machines. No. 1,070,285; Aug. 12; Gaz. vol. 193; p. 441.
- Onderdonk, Lansing, New York, N. Y., assignor to Union Special Sewing Machine Co., Chicago, Ill. Blind-stitch-machine. No. 1,070,353; Aug. 12; Gaz. vol. 193; p. 463.
- One Minute Manufacturing Co. (See Greenleaf, Charles E., assignor.)
- 100% Rail Joint Company, The. (See Thomson, William P. and S. G., assignors.)
- Oneida Community. (See Ellis, Ferrand F., assignor.)
- Oneida Community Limited. (See Skinner, Theodore H., assignor.)
- Opgenorth, Henry, Sheboygan, Wis. Belt-replacer. No. 1,072,641; Sept. 9; Gaz. vol. 194; p. 360.
- Opl, Josef. (See Moest, Berneck, and Opl.)
- Oppenheimer, Albert C., Norwood, Ohio. Insole-making. No. 1,077,634; Nov. 4; Gaz. vol. 196; p. 135.
- Oppenheimer, Albert C., Cincinnati, Ohio. Machine for making insoles. No. 1,079,019; Nov. 18; Gaz. vol. 196; p. 678.
- Oppenheimer & Co., S. (See Gross, Edward L., assignor.)
- Oppenheimer & Co., S. (See Oppenheimer, Harry D., assignor.)
- Oppenheimer, Harry D., assignor to S. Oppenheimer & Co., Chicago, Ill. Tank-closure. No. 1,079,359; Nov. 25; Gaz. vol. 196; p. 822.
- Oppenheimer, Herman H. (See Lumpkin, John R., assignor.)
- Oppenheimer, Joseph E., assignor to The Snellenburg Clothing Company, Philadelphia, Pa. Coat. No. 1,061,945; May 13; Gaz. vol. 190; p. 506.
- Opp, Joseph E. (See Rosenfield and Opp.)
- Oppermann, Georg, Hanover, Germany, assignor to The Westinghouse Air Brake Company, Pittsburgh, Pa. Fluid-pressure brake. No. 1,081,325; Dec. 16; Gaz. vol. 197; p. 552.
- Optische Anstalt C. P. Goerz, Aktiengesellschaft. (See Hofe, Christian von, assignor.)
- Optische Anstalt C. P. Goerz, Aktiengesellschaft. (See Jacob, Heinrich, assignor.)
- Optische Anstalt C. P. Goerz, Aktiengesellschaft. (See Schmuck, Joseph, assignor.)
- Orange Auto Power Company. (See Barker, John P., assignor.)
- Orange Hat Box Company. (See Cash, Arthur W., assignor.)
- Orbell, Clifford, New York, assignor, by mesne assignments, to Remington Typewriter Company, Ilion, N. Y. Type-writing machine. No. 1,069,167; Aug. 5; Gaz. vol. 193; p. 27.
- Orbell, Frederick, Castle Hedingham, England. Conveying and elevating mechanism for harvesting, threshing, and chaff-cutting machines, hay-loaders, and the like. No. 1,052,372; Feb. 4; Gaz. vol. 187; p. 179.
- Orbin, Edwin R., Duquesne, Pa. Barge-unloading apparatus. No. 1,055,788; Mar. 11; Gaz. vol. 188; p. 418.
- Orbin, Edwin R., Duquesne, Pa. Rail-joint. No. 1,064,369; June 10; Gaz. vol. 191; p. 444.
- Orcutt, Charles D., assignor to Buffalo Sled Company, North Tonawanda, N. Y. Vehicle-body. No. 1,081,056; Dec. 9; Gaz. vol. 197; p. 423.
- Ord, Edward O. C., Los Angeles, Cal. Miner's gold-pan. No. 1,064,853; June 17; Gaz. vol. 191; p. 644.
- Ord, Edward O. C., Florence, Ariz. Miner's gold-pan. No. 1,064,854; June 17; Gaz. vol. 191; p. 644.
- Ord, Lewis C., assignor to Canadian Gold Car Heating & Lighting Company, Limited, Montreal, Quebec, Canada. Means for regulating steam-heating systems. No. 1,076,444; Oct. 21; Gaz. vol. 195; p. 694.
- Ording, Frederick W., Jersey City, N. J., assignor of one-third to H. C. Perley and one-third to C. N. Perley, New York, N. Y. Locket. No. 1,063,209; June 3; Gaz. vol. 191; p. 14.
- Ordinance Improvement Company. (See Gerdorn, Gregory, assignor.)
- Ordner, Flora M., administratrix. (See Ordner, Frank H.)
- Ordner, Frank H., deceased, Buffalo, N. Y.; F. M. Ordner, administratrix. Straightway valve. No. 1,055,215; Mar. 4; Gaz. vol. 188; p. 187.
- Ordway, Frank L., assignor to Parker Brothers, Incorporated, Salem, Mass. Game apparatus. No. 1,059,950; Apr. 22; Gaz. vol. 189; p. 990.
- Oregon Electric Gun Co. (See Lewis, Clifford A., assignor.)
- Oregon Fruit Cleaner Company. (See Porter, Orson K., assignor.)
- Organ, Thomas O., Philadelphia, Pa. Feed-water heater and purifier. No. 1,081,138; Dec. 9; Gaz. vol. 197; p. 450.
- Orgel, William H. (See Miller and Orgel.)
- Oriol, Alfonso, Balanga, Philippine Islands. Joint adjustable handle. No. 1,080,121; Dec. 2; Gaz. vol. 197; p. 71.
- Orling, Axel, assignor to Orling's Telegraph Instruments Syndicate, Limited, London, England. Electrocapillary contrivance. No. 1,076,445; Oct. 21; Gaz. vol. 195; p. 695.
- Orling, Axel, Tooting, assignor to Orling's Telegraph Instruments Syndicate Limited, London, England. Relay device. No. 1,082,092; Dec. 23; Gaz. vol. 197; p. 838.
- Orling's Telegraph Instruments Syndicate. (See Orling, Axel, assignor.)
- Orlopp, Piatt M., Indianapolis, Ind. Engine-valve. No. 1,059,485; Apr. 22; Gaz. vol. 189; p. 839.
- Orlowski, Jan, Olean, N. Y. Umbrella. No. 1,054,445; Feb. 25; Gaz. vol. 187; p. 1002.
- Orme, Frank L. (See Carson and Russell, assignors.)
- Orme, Harry A., Wesley Heights, D. C. Aeroplane. No. 1,065,389; June 24; Gaz. vol. 191; p. 858.
- Orme, Harry A., Wesley Heights, D. C. Rudder for aeroplanes. No. 1,074,063; Sept. 23; Gaz. vol. 194; p. 915.
- Ormrod, James H., and W. J. Purdue, Wellington, New Zealand. Electric shade-carrier. No. 1,067,752; July 15; Gaz. vol. 192; p. 701.
- Ormsbee, Albert A., et al. (See Roberts, Henry P., assignor.)
- Ormsby, Fred R. (See Killian, Frederick L., assignor.)
- Orndoff, Oscar F., Council Bluffs, Iowa. Furrow-opener attachment. No. 1,050,681; Jan. 14; Gaz. vol. 186; p. 497.
- Orndol, Edwin J., Wheeling, W. Va. Coin-controlled mechanism. No. 1,077,293; Nov. 4; Gaz. vol. 196; p. 17.
- Ornstein, Anna, Vienna, Austria-Hungary. Clarifying wine. No. 1,081,623; Dec. 16; Gaz. vol. 197; p. 650.
- Ornstein, Georg, Niagara Falls, assignor to Hooker Electrochemical Company, New York, N. Y. Purifying non-oxidizing organic anhydrides. No. 1,069,168; Aug. 5; Gaz. vol. 193; p. 27.
- Orochowsky, Izador, Kansas City, Mo. Self-holding book-support. No. 1,068,160; July 22; Gaz. vol. 192; p. 873.
- Oros, Nicholas, Chicago, Ill. Ironing device. No. 1,075,788; Oct. 14; Gaz. vol. 195; p. 439.
- Orpheola Company, The. (See Waite, William T., assignor.) (Reissue.)
- Orr, Benjamin. (See Secord and Orr.)
- Orr, Edward E., Weymouth, Mass., assignor to United Shoe Machinery Company, Paterson, N. J. Sole-rounding machine. No. 1,066,940; July 8; Gaz. vol. 192; p. 390.
- Orr, Elbert A., Pueblo, Colo. Automatic damper. No. 1,059,558; Apr. 22; Gaz. vol. 189; p. 863.
- Orr, James R., and W. Radley, Jr., Fresno, Cal. Automatic weed-cutter and hoeing attachment for cultivators and plows. No. 1,050,993; Jan. 21; Gaz. vol. 186; p. 642.
- Orr, John, Schenectady, N. Y., assignor to General Electric Company. Electrode-holder. No. 1,076,054; Oct. 21; Gaz. vol. 195; p. 559.
- Orr, Robert S., assignor to Pittsburgh Reinforcing Pole Company, Pittsburgh, Pa. Reinforcing pole. No. 1,080,525; Dec. 2; Gaz. vol. 197; p. 213.
- Orr, William T., St. Louis, Mo. Rail-joint. No. 1,054,600; Feb. 25; Gaz. vol. 187; p. 1054.
- Orsborn, Calvin L., Selma, Ala. Vacuum-box. No. 1,051,439; Jan. 28; Gaz. vol. 186; p. 825.
- Orser, Charles L., Fitzgerald, Ga. Device for preventing the freezing of water-pipes. No. 1,054,024; Feb. 25; Gaz. vol. 187; p. 858.
- Orswell Igniter Company. (See Orswell, Israel C., assignor.)
- Orswell, Israel C., Hyde Park, assignor to Orswell Igniter Company, Boston, Mass. Vibrator. No. 1,082,475; Dec. 23; Gaz. vol. 197; p. 967.
- Ort, Anton. (See Drossner and Ort.)
- Ort, Anton, assignor of one-half to H. Drossner, Paris, France. Scallop-trimming device for sewing-machines. No. 1,074,452; Sept. 30; Gaz. vol. 194; p. 1073.
- Orth, Charles P., Kewanee, Ill. Window rain-shield. No. 1,075,058; Oct. 7; Gaz. vol. 195; p. 163.
- Orth, Frank, Indiana Harbor, Ind. Furnace-door. No. 1,071,786; Sept. 2; Gaz. vol. 194; p. 41.
- Orth, Ludwig von. (See Richter and Orth.)
- Orth, William S., Dunkirk, Ohio. Shingle. No. 1,077,095; Oct. 28; Gaz. vol. 195; p. 975.
- Ortman, John R., Raynesford, Mont. Life-preserver. No. 1,068,816; July 29; Gaz. vol. 192; p. 1141.
- Orton, Ingomar F., Galveston, Tex. Weed-killing train. No. 1,080,158; Dec. 2; Gaz. vol. 197; p. 84.
- Orvis, Orel D., assignor to H. Gallagher, New York, N. Y. Retort smoke-abater. No. 1,058,014; Apr. 1; Gaz. vol. 189; p. 212.
- Orvis, Orland D., New York, N. Y. Steam-boiler furnace. No. 1,071,787; Sept. 2; Gaz. vol. 194; p. 42.
- Orzechowski, Antoni, Stamford, Conn. Telephone-receiver holder. No. 1,052,443; Feb. 4; Gaz. vol. 187; p. 205.
- Orzechowski, Antoni, Stamford, Conn. Nut-lock. No. 1,077,940; Nov. 4; Gaz. vol. 196; p. 240.
- Osborn, Francis C., assignor to Standard Computing Scale Company, Detroit, Mich. Computing-scale. No. 1,062,603; May 27; Gaz. vol. 190; p. 810.
- Osborn, Fred, Fort Cobb, Okla. Corn-baler. No. 1,052,944; Feb. 11; Gaz. vol. 187; p. 409.
- Osborn, Henry C., assignor to The American Multigraph Company, Cleveland, Ohio. Printing mechanism. No. 1,049,907; Jan. 7; Gaz. vol. 186; p. 200.

Alphabetical list of patentees—Continued.

- Osborn, Henry C., assignor to The American Multigraph Company, Cleveland, Ohio. Type setting and distributing machine. No. 1,076,640; Oct. 21; Gaz. vol. 195; p. 765.
- Osborn, Henry C., assignor to The American Multigraph Company, Cleveland, Ohio. Mechanism for storing, assembling, and distributing type. No. 1,076,906; Oct. 28; Gaz. vol. 195; p. 911.
- Osborn, Henry C., assignor to The American Multigraph Company, Cleveland, Ohio. Type setting and distributing machine. No. 1,079,716; Nov. 25; Gaz. vol. 196; p. 946.
- Osborn, Henry C., assignor to The American Multigraph Company, Cleveland, Ohio. Means for selecting address-plates. No. 1,082,970; Dec. 30; Gaz. vol. 197; p. 1175.
- Osborn, Homer A., *et al.* (See Gorton, William E., assignor.)
- Osborn, Homer A., St. Joseph, Mo., assignor of one-fifth to W. E. Gorton, one-fifth to T. Courtney, one-fifth to R. E. Creel, and one-fifth to G. H. Wyatt. Automatic railway danger-signal. No. 1,056,051; Mar. 18; Gaz. vol. 188; p. 539.
- Osborn, John A., Hammondsport, N. Y. Passenger and luggage carrying attachment for motor-cycles. No. 1,057,661; Apr. 1; Gaz. vol. 189; p. 91.
- Osborn Manufacturing Company, The. (See Atwater, Harry R., assignor.)
- Osborn Manufacturing Company, The. (See Knowlton and Elliot, assignors.)
- Osborn, Milo H., Danville, Kans. Trace-carrier. No. 1,079,605; Nov. 25; Gaz. vol. 196; p. 909.
- Osborn, Richard F., and J. Roach, Ainsworth, Nebr., assignors of one-third to A. A. Radtke, Chicago, Ill. Artificial stoneware. No. 1,075,932; Oct. 14; Gaz. vol. 195; p. 489.
- Osborn, Samuel C., San Francisco, Cal. Note-book and manuscript holder. No. 1,077,853; Nov. 4; Gaz. vol. 196; p. 209.
- Osborn, Victor M., La Fayette, Ind. Flying-machine. No. 1,076,514; Oct. 21; Gaz. vol. 195; p. 718.
- Osborn, Warren M., New Britain, Conn. Rail-chair. No. 1,077,367; Nov. 4; Gaz. vol. 196; p. 44.
- Osborn, William L., and G. Lukat, Indianapolis, Ind. Pipe-wrench. No. 1,058,624; Apr. 8; Gaz. vol. 189; p. 465.
- Osborne, Charles M., Brainerd, Minn. Beehive. No. 1,073,701; Sept. 23; Gaz. vol. 194; p. 794.
- Osborne, Ebin N., Dixon, Ill. Vehicle-scale. No. 1,079,260; Nov. 18; Gaz. vol. 196; p. 758.
- Osborne, Eugene F., assignor to Osborne Steam Engineering Company, Chicago, Ill. Steam-heating apparatus. No. 1,049,595; Jan. 7; Gaz. vol. 186; p. 96.
- Osborne, Eugene F., assignor to Osborne Steam Engineering Company, Chicago, Ill. Valve. No. 1,061,556; May 13; Gaz. vol. 190; p. 378.
- Osborne, Frank M., Anaconda, Mont. Repeating firearm. No. 1,077,228; Oct. 28; Gaz. vol. 195; p. 1017.
- Osborne, Gertrude, Neoga, Ill. Skirt-marking gage. No. 1,063,467; June 3; Gaz. vol. 191; p. 100.
- Osborne, Heinrich, Charlottenburg, assignor to Siemens-Schuckert Werke, G. m. b. H., Berlin, Germany. Means for regulating the speed of direct-current motors. No. 1,060,208; Apr. 29; Gaz. vol. 189; p. 1120.
- Osborne, Henry E., assignor to M. B. Johnston, Salt Lake City, Utah. Power-wheel. No. 1,061,399; May 13; Gaz. vol. 190; p. 321.
- Osborne, Henry G., Brooklyn, N. Y. Expansion-shield. No. 1,066,040; July 1; Gaz. vol. 192; p. 48.
- Osborne, Jonathan C., Safe Harbor, Pa. Folding table. No. 1,068,817; July 29; Gaz. vol. 192; p. 1141.
- Osborne, Joseph F. (See Pace and Osborne.)
- Osborne Manufacturing Company, The. (See Atwater, Harry R., assignor.)
- Osborne, Reginald J. (See Porter and Osborne.)
- Osborne Steam Engineering Company. (See Osborne, Eugene F., assignor.)
- Osborne, William L., Chicago, Ill. Valve. No. 1,070,720; Aug. 19; Gaz. vol. 193; p. 630.
- Osborne, William R., Palestine, and G. F. Lebus, Electra, Tex. Well-drill wrench. No. 1,053,931; Feb. 18; Gaz. vol. 187; p. 789.
- Osborne, Winfield S., La Fayette, Ind. Trap. No. 1,069,461; Aug. 5; Gaz. vol. 193; p. 131.
- Osbourne, Millard P., Merchantville, N. J., assignor to R. M. Hunter, Philadelphia, Pa. System of operating steam-engines. No. 1,052,745; Feb. 11; Gaz. vol. 187; p. 338.
- Osbourne, Millard P., Merchantville, N. J., assignor to Warren Webster & Company. Vacuum steam-heating system. No. 1,075,490; Oct. 14; Gaz. vol. 195; p. 338.
- Oscanyan, Paul C., Newark, N. J. Game-board. No. 1,071,080; Aug. 26; Gaz. vol. 193; p. 784.
- Osgood, Isaac, Amesbury, Mass. Engine-lathe. No. 1,064,988; June 17; Gaz. vol. 191; p. 688.
- Osgood, John H. (See Voorhees and Osgood.)
- Osgood, John H., Putnam, Conn. Reamer. No. 1,061,557; May 13; Gaz. vol. 190; p. 378.
- Osgood, John L., Buffalo, N. Y. Tool-handle. No. 1,074,891; Oct. 7; Gaz. vol. 195; p. 103.
- Osgood, Rollin D. (See Bass and Osgood.)
- Osha, Clarence O., Randolph, and H. L. Douglas, Crafts-bury, Vt. Ratchet-wrench. No. 1,053,432; Feb. 18; Gaz. vol. 187; p. 621.
- Oshkosh Trunk Company, The. (See Meyer, Frank W., assignor.)
- Osler, Jay T., Coraopolis, assignor to Lewis Foundry and Machine Company, Pittsburgh, Pa. Clutch mechanism for shearing-machines and the like. No. 1,060,850; May 6; Gaz. vol. 190; p. 99.
- Osmer, John E., Boone, Iowa. Preserving apparatus. No. 1,059,386; Apr. 22; Gaz. vol. 189; p. 803.
- Osofs, Morris L., and M. R. Slutzky, New York, N. Y. Hydrocycle. No. 1,060,620; May 6; Gaz. vol. 190; p. 20.
- Ossenbeck, Anton. (See Kahn and Ossenbeck.)
- Osswald, Alfred J., Chicago, Ill. Piano. No. 1,063,584; June 3; Gaz. vol. 191; p. 140.
- Ostby, Edwin, Hankinson, N. D. Penholder. No. 1,066,417; July 1; Gaz. vol. 192; p. 178.
- Osten, George, Perry, Iowa. Gas-generating apparatus. No. 1,070,721; Aug. 19; Gaz. vol. 193; p. 631.
- Oster, Herman W. (See Tewksbury and Oster.)
- Oster, Herman W., Cleveland, Ohio. Support for robes. No. 1,059,065; Apr. 15; Gaz. vol. 189; p. 658.
- Oster, Herman W., assignor to The Oster Manufacturing Company, Cleveland, Ohio. Geared die-stock. No. 1,075,059; Oct. 7; Gaz. vol. 195; p. 163.
- Oster, Herman W., and W. J. Macak, assignors to The Oster Manufacturing Company, Cleveland, Ohio. Die-stock. No. 1,082,283; Dec. 23; Gaz. vol. 197; p. 904.
- Oster Manufacturing Company, The. (See Oster, Herman W., assignor.)
- Oster Manufacturing Company, The. (See Oster and Macak, assignors.)
- Oster Manufacturing Company, The. (See Tewksbury, Russell B., assignor.)
- Oster Manufacturing Company, The. (See Tewksbury and Oster, assignors.)
- Osterbind, Henry C., Richmond, Va. Producing brake-shoe keys. No. 1,065,267; June 17; Gaz. vol. 191; p. 778.
- Osterholm, William, assignor to Latham Machinery Company, Chicago, Ill. Work-feed for stapling-machines. No. 1,074,559; Sept. 30; Gaz. vol. 194; p. 1106.
- Osterhoudt, William D., Poughkeepsie, N. Y. Adjustable car-step. No. 1,083,127; Dec. 30; Gaz. vol. 197; p. 1225.
- Ostermann, Gustav, Cologne-Riehl, Germany. Machine for welding tubes. No. 1,076,641; Oct. 21; Gaz. vol. 195; p. 766.
- Ostern, Joseph C., San Francisco, Cal. Tailor's and laundry ironing-table. No. 1,074,328; Sept. 30; Gaz. vol. 194; p. 1032.
- Ostheimer, Adam, Cleveland, Ohio. Railway construction. No. 1,077,548; Nov. 4; Gaz. vol. 196; p. 108.
- Ostler, Alexander, Newark, N. J., assignor to Hydro-Carbon Machine Company. Carbureter. No. 1,051,440; Jan. 23; Gaz. vol. 186; p. 825.
- Ostrander, Allen E., Ridgewood, N. J. Truck side frame. No. 1,066,521; July 8; Gaz. vol. 192; p. 244.
- Ostrander, Allen E., Ridgewood, N. J., assignor to American Car and Foundry Company, St. Louis, Mo. Car construction. No. 1,066,647; July 8; Gaz. vol. 192; p. 289.
- Ostrander, Allen E., Ridgewood, N. J., assignor to American Car and Foundry Company, St. Louis, Mo. Vestibule-hood. No. 1,078,306; Nov. 11; Gaz. vol. 196; p. 400.
- Ostrander, Jasper E., Berkeley, Cal. Ventilating-fan. No. 1,050,994; Jan. 21; Gaz. vol. 186; p. 642.
- Ostrom, Henry W., Avon township, Oakland county, Mich. Combined weather-strip and door-jamb. No. 1,053,638; Feb. 18; Gaz. vol. 187; p. 691.
- Ostrovsky, Harry, assignor to Ostrovsky Musicians Hand Development Company, Ltd., London, England. Apparatus for promoting the flexibility of the joints of the hands. No. 1,061,003; May 6; Gaz. vol. 190; p. 154.
- Ostrovsky Musicians Hand Development Company. (See Ostrovsky, Harry, assignor.)
- Osvald, Anton, Vineland, N. J. Table. No. 1,053,742; Feb. 18; Gaz. vol. 187; p. 728.
- Oswald, Kolmen, New York, N. Y. Keyhole-guard. No. 1,076,696; Oct. 28; Gaz. vol. 195; p. 837.
- Oswald, Otto H., Comanche, Mont. Belt guide and thrower. No. 1,058,895; Apr. 15; Gaz. vol. 189; p. 599.
- Oswalt, John C. (See Oswalt, William C., assignor.)
- Oswalt, William C., assignor of one-half to J. C. Oswalt, Percy, Iowa. Automatic cut-off for gas-lights. No. 1,060,621; May 6; Gaz. vol. 190; p. 20.
- Oters, Richard, Pelham Manor, N. Y. Cut-worm preventer. No. 1,060,116; Apr. 29; Gaz. vol. 189; p. 1088.
- Otey, Eliga E., Junction City, Oreg. Oar-lock. No. 1,062,182; May 20; Gaz. vol. 190; p. 628.
- Otis Elevator Company. (See Baxter, William, Jr., assignor.)
- Otis Elevator Company. (See Carichoff, Eugene R., assignor.)
- Otis Elevator Company. (See Deats, William, assignor.)
- Otis Elevator Company. (See Forslund and Rice, assignors.)
- Otis Elevator Company. (See Furlow, Floyd C., assignor.)

Alphabetical list of patentees—Continued.

- Otis Elevator Company. (See Gale, Ernest L., Sr., assignor.)
- Otis Elevator Company. (See Ihlder, John D., assignor.)
- Otis Elevator Company. (See Larson, David, assignor.)
- Otis Elevator Company. (See Lindquist, David L., assignor.)
- Otis Elevator Company. (See Lutz, William D., assignor.)
- Otis Elevator Company. (See Magnuson, Axel, assignor.)
- Otis Elevator Company. (See Matthews, Edwin S., assignor.)
- Otis Elevator Company. (See Morton, David F., assignor.)
- Otis Elevator Company. (See Seeberger, Charles D., assignor.)
- Otis Elevator Company. (See Sundh, August, assignor.)
- Otis Elevator Company. (See Williams, George H. C., assignor.)
- Otis, Ralph S., West Hartford, Conn. Razor-stropping machine. No. 1,080,776; Dec. 9; Gaz. vol. 197; p. 330.
- Otis, Spencer, Chicago, Ill., assignor to Gravity Coal Bin Company. Gravity coal-bin. No. 1,052,945; Feb. 11; Gaz. vol. 187; p. 409.
- Otis, Spencer, Chicago, Ill., assignor to Gravity Coal Bin Company. Gravity coal screen and bin. No. 1,052,946; Feb. 11; Gaz. vol. 187; p. 410.
- Otis, Spencer, Chicago, Ill., assignor, by mesne assignments, to National Dump Car Company. Dump-car. No. 1,061,004; May 6; Gaz. vol. 190; p. 154.
- Otis, Spencer, Chicago, Ill., assignor, by mesne assignments, to National Dump Car Company. Dump-car. (Reissue.) No. 1,3582; June 24; Gaz. vol. 191; p. 1038.
- Ott, Adolph, and O. Beck, Newark, N. J. Globe for lamps or lanterns. No. 1,056,052; Mar. 18; Gaz. vol. 188; p. 540.
- Ott, Ben, Louisville, Ky. Pickle-splitter. No. 1,064,531; June 10; Gaz. vol. 191; p. 500.
- Ott, Edward A., Waukegan, Ill. Poultry-house. No. 1,050,682; Jan. 14; Gaz. vol. 186; p. 497.
- Ott, Edwin G. (See Noble, Harvey P., assignor.)
- Ott, Firm of A. (See Ott, Ludwig, assignor.)
- Ott, George E., Lancaster, N. Y. Can-top set and wrench. No. 1,077,294; Nov. 4; Gaz. vol. 196; p. 18.
- Ott, George E., Lancaster, N. Y. Can-top set. No. 1,081,980; Dec. 23; Gaz. vol. 197; p. 798.
- Ott, Harry G. W., Philadelphia, Pa. Mechanism for regulating flow of liquids. No. 1,060,554; Apr. 29; Gaz. vol. 189; p. 1243.
- Ott, Ludwig, assignor to Firm of A. Ott, Kempten, Bavaria, Germany. Integrator. No. 1,072,153; Sept. 2; Gaz. vol. 194; p. 166.
- Ott, Samuel A., Fort Stockton, Tex. Bag-holder. No. 1,070,169; Aug. 12; Gaz. vol. 193; p. 401.
- Ott, Werner, assignor to Skodawerke, Aktiengesellschaft in Pilsen, Pilsen, Austria-Hungary. Governor for steam-turbines. No. 1,059,387; Apr. 22; Gaz. vol. 189; p. 804.
- Ottman, John H., Milwaukee, Wis. Smoke-consumer. No. 1,059,559; Apr. 22; Gaz. vol. 189; p. 863.
- Otto, Christian L., Greeley, Colo. Apparatus for drying photographs. No. 1,082,818; Dec. 30; Gaz. vol. 197; p. 1123.
- Otto, Edward F., Kenosha, Wis. Level. No. 1,057,662; Apr. 1; Gaz. vol. 189; p. 91.
- Otto, Julius F. K., Milwaukee, Wis. Endless-chain auto-sled. No. 1,068,071; July 22; Gaz. vol. 192; p. 843.
- Oulsnam, Thomas H. (See Middendorf, Francis M., assignor.)
- Our Manufacturing Company. (See Geiger, Frank, assignor.)
- Oustad, Martin, Hamar, Norway. Ignition-controller for internal-combustion engines. No. 1,061,921; May 13; Gaz. vol. 190; p. 497.
- Outwater, Herbert G., New York, N. Y. Emergency-door opener. No. 1,071,567; Aug. 26; Gaz. vol. 193; p. 945.
- Overall, Annis V., Boston, Mass. Low shoe. No. 1,068,525; July 29; Gaz. vol. 192; p. 1037.
- Overbeck, William A., Salt Lake City, Utah. Loose-leaf binder. No. 1,059,199; Apr. 15; Gaz. vol. 189; p. 704.
- Overbury, John T. (See Sanborn, McMahon, Overbury, and Young.)
- Overgaard, Christen, Copenhagen, Denmark. Crank-shaft-milling machine. No. 1,080,576; Dec. 9; Gaz. vol. 197; p. 260.
- Overholser, Alden E. (See Parker and Overholser.)
- Overlander, Jacob A., New York, N. Y. Pipe-wrench. No. 1,050,683; Jan. 14; Gaz. vol. 186; p. 497.
- Overly, Charles F., Pittsburgh, Pa., assignor to The Lagonda Manufacturing Company, Springfield, Ohio. Strainer. No. 1,053,131; Feb. 11; Gaz. vol. 187; p. 473.
- Overly, Charles F., Pittsburgh, Pa., assignor to O. M. Edwards, Syracuse, N. Y. Window-sash. (Reissue.) No. 13,547; Mar. 25; Gaz. vol. 188; p. 1029.
- Overman, Max C., New York, N. Y. Vehicle-tire. No. 1,057,083; Mar. 25; Gaz. vol. 188; p. 923.
- Overman, Max C., New York, N. Y. Shock-absorber. No. 1,060,017; Apr. 29; Gaz. vol. 189; p. 1056.
- Overman, Max C., New York, N. Y. Vehicle-tire. (Reissue.) No. 13,626; Oct. 7; Gaz. vol. 195; p. 259.
- Overmyer, Verne, Tiosa, Ind. Stone-gathering machine. No. 1,057,494; Apr. 1; Gaz. vol. 189; p. 33.
- Overshiner, Ellsworth B., Chicago, Ill. Go-cart. No. 1,075,372; Oct. 14; Gaz. vol. 195; p. 297.
- Overshiner, James M. (See Melrose and Overshiner.)
- Overton, Charles A., Coeur d'Alene, Idaho. Roof-joint. No. 1,080,159; Dec. 2; Gaz. vol. 197; p. 84.
- Overton, Oron, Mobile, Ala. Pedal for bicycles, &c. No. 1,050,383; Jan. 14; Gaz. vol. 186; p. 396.
- Overton, Oron, Mobile, Ala. Pedal for motor-cycles, &c. No. 1,050,384; Jan. 14; Gaz. vol. 186; p. 396.
- Overton, Oron, Mobile, Ala. Side car attachment for motor-cycles. No. 1,077,743; Nov. 4; Gaz. vol. 196; p. 172.
- Overton, Willis E., Solomons, Md. Extracting oil from fish. No. 1,080,294; Dec. 2; Gaz. vol. 197; p. 131.
- Oveson, John N., Chicago, Ill. Broom-hanger. No. 1,075,933; Oct. 14; Gaz. vol. 195; p. 489.
- Oviatt, Howard. (See Simpson and Oviatt.)
- Ovington, Edward J., Los Angeles, Cal. Electrical resistance unit. No. 1,077,635; Nov. 4; Gaz. vol. 196; p. 135.
- Ovington, Edward J., Los Angeles, Cal., assignor, by mesne assignments, to Simplex Electric Heating Company, Cambridge, Mass. Electrical resistance device. No. 1,052,843; Feb. 11; Gaz. vol. 187; p. 373.
- Ovington, Edward J., Los Angeles, Cal., assignor, by mesne assignments, to Simplex Electric Heating Company, Cambridge, Mass. Culinary apparatus. No. 1,072,154; Sept. 2; Gaz. vol. 194; p. 167.
- Owatonna Manufacturing Company. (See Howe, Harry C., assignor.)
- Owen, Alden B., and T. Hall., assignors to The Ridgway Dynamo and Engine Company, Ridgway, Pa. Steam-turbine blade. No. 1,073,623; Sept. 23; Gaz. vol. 194; p. 764.
- Owen, Allin B., and J. S. Snyder, Lawrenceville, Ill. Screw-joint. No. 1,067,878; July 22; Gaz. vol. 192; p. 778.
- Owen Bucket Company, The. (See Botten, William H., assignor.)
- Owen, Frank H., Colton, Cal. Attachment for printing-presses. No. 1,058,382; Apr. 8; Gaz. vol. 189; p. 385.
- Owen, George A., Hartford, and G. A. Bates, New Britain, Conn. Hydrant and reel. No. 1,079,717; Nov. 25; Gaz. vol. 196; p. 946.
- Owen, George B., assignor to Wm. L. Gilbert Clock Company, Winsted, Conn. Gear-wheel. No. 1,080,160; Dec. 2; Gaz. vol. 197; p. 84.
- Owen, Harry L., York, Pa., assignor to General Electric Company. Rotary compressor for wire-covering machines. No. 1,053,061; Feb. 11; Gaz. vol. 187; p. 448.
- Owen, Harry L., York, Pa., assignor to General Electric Company. Means for preparing asbestos fiber for insulating purposes. No. 1,071,081; Aug. 26; Gaz. vol. 193; p. 784.
- Owen, Harry L., Schenectady, N. Y., assignor to General Electric Company. Means for applying coverings to wires. No. 1,053,108; Feb. 11; Gaz. vol. 187; p. 465.
- Owen, Henry A., assignor to The Whitin Machine Works, Whitinsville, Mass. Thread-board. No. 1,067,055; July 8; Gaz. vol. 192; p. 427.
- Owen, Henry P., Liverpool, England. Packing of pistons, plungers, and the like. No. 1,060,622; May 6; Gaz. vol. 190; p. 20.
- Owen, Herbert W., Dover, N. H. Magazine-tool loader. No. 1,054,788; Mar. 4; Gaz. vol. 188; p. 47.
- Owen, Herbert W., Dover, N. H. Tool for applying travelers to rings. No. 1,073,280; Sept. 16; Gaz. vol. 194; p. 624.
- Owen, Herbert W., Dover, N. H. Creel-board. No. 1,076,697; Oct. 28; Gaz. vol. 195; p. 838.
- Owen, Horace P., et al. (See Anderson, Jesse C., assignor.)
- Owen, James W., Lansdowne, Pa., assignor to Victor Talking Machine Company. Stylus for sound-reproducing machines. No. 1,080,924; Dec. 9; Gaz. vol. 197; p. 382.
- Owen, Lafe, Lawton, Okla. Rail tie and fastener. No. 1,055,216; Mar. 4; Gaz. vol. 188; p. 188.
- Owen, Lafe, Lawton, Okla. Rail-tie. No. 1,055,290; Mar. 4; Gaz. vol. 188; p. 211.
- Owen, Lake E. (See Van Epp, Paul N., assignor.)
- Owen, Robert, Jr., Shawnee, Ohio. Double-acting wrench. No. 1,072,980; Sept. 9; Gaz. vol. 194; p. 483.
- Owen, Wesson G., Lake Geneva, Wis. Photographic-printing device. No. 1,057,873; Apr. 1; Gaz. vol. 189; p. 164.
- Owen, William H. (See Ash, Marselius T., assignor.)
- Owen, Wilmer M. (See Mapes and Owen.)
- Owens, Benjamin F., Rockwell City, Iowa. Inspection device for grain-cars. No. 1,063,135; May 27; Gaz. vol. 190; p. 985.
- Owens, Benjamin F., Rockwell City, Iowa. Inspection device for grain-cars. No. 1,078,948; Nov. 18; Gaz. vol. 196; p. 650.
- Owens, Charles T., Baltimore, Md. Turbine. No. 1,074,738; Oct. 7; Gaz. vol. 195; p. 52.
- Owens, Harvey M., Leominster, Mass. Folding garment-hanger. No. 1,081,058; Dec. 9; Gaz. vol. 197; p. 424.

Alphabetical list of patentees—Continued.

- Owens, Henry A., and E. Benson, Miami, Ariz.; said Owens assignor to said Benson. Safety device for hoisting apparatus. No. 1,052,947; Feb. 11; Gaz. vol. 187; p. 410.
- Owens, Henry A., and E. Benson, Miami, Ariz.; said Owens assignor to said Benson. Safety device for hoisting apparatus. No. 1,052,948; Feb. 11; Gaz. vol. 187; p. 411.
- Owens, Horace P., Atlanta, Ga. Reinforced-concrete fence-post and fastener therefor. No. 1,060,623; May 6; Gaz. vol. 190; p. 21.
- Owens, James P., Weatherford, Tex. Harrow. No. 1,068,526; July 29; Gaz. vol. 192; p. 1037.
- Owens, John P., Lawler, Iowa. Buggy-wrench. No. 1,066,522; July 8; Gaz. vol. 192; p. 244.
- Owens, John S., assignor to John M. De Mendoza ver Mehr, London, England. Metallic sheet-piling. No. 1,077,295; Nov. 4; Gaz. vol. 196; p. 18.
- Owens, Lee T., Tacoma, Wash. Nest and segregating device. No. 1,053,433; Feb. 18; Gaz. vol. 187; p. 621.
- Owens, Luther A., Fellows, Cal. Rotary drill. No. 1,076,515; Oct. 21; Gaz. vol. 195; p. 719.
- Owens, Richard L., assignor to J. L. Owens Manufacturing Company, Minneapolis, Minn. Machine for transplanting plants. No. 1,073,702; Sept. 23; Gaz. vol. 194; p. 794.
- Owens, Robert J., Minneapolis, Minn. Grain-separator. No. 1,051,157; Jan. 21; Gaz. vol. 186; p. 698.
- Owens, Robert J., Minneapolis, Minn. Grain-separator. No. 1,051,158; Jan. 21; Gaz. vol. 186; p. 698.
- Owrey, Lute D., Pittsburgh, Pa. Automatic oil-release. No. 1,062,411; May 20; Gaz. vol. 190; p. 705.
- Owrey, Lute D., Pittsburgh, Pa. Automatic oil-release. No. 1,065,169; June 17; Gaz. vol. 191; p. 746.
- Owsley, Paul O., Evanston, Ill., assignor to Heaton Manufacturing Company, Wilmington, Del. Baby's portable collapsible bath-tub. No. 1,073,435; Sept. 16; Gaz. vol. 194; p. 678.
- Oxygen Welding Works, The. (See Patrick, Hubert H., assignor.)
- Oyler, Charles E., and J. H. Parker, assignors to H. Cassard, Baltimore, Md. Broom-sewing machine. No. 1,071,332; Aug. 26; Gaz. vol. 193; p. 867.
- Ozmun, Nancy L., Cleveland, Ohio. Hair-curler. No. 1,064,084; June 10; Gaz. vol. 191; p. 347.
- Ozo Company, The. (See Dunham and Armstrong, assignors.)
- P. H. Craven Machinery Company. (See Craven, Peter H., assignor.)
- P. & M. Co., The. (See Breed, Charles W., assignor.)
- P. & M. Co., The. (See Kent, Leonard W., assignor.)
- P. & M. Co., The. (See Moore, Philip W., assignor.)
- P. & M. Co., The. (See Preston, Frederick A., assignor.)
- P. & M. Company, The. (See Baylies, Ripley N., assignor.)
- P. R. Manufacturing Company. (See Reichhelm, George L., assignor.)
- P'Pool, Matthew W., Winters, Tex. Cleaner for firearm-barrels. No. 1,061,119; May 6; Gaz. vol. 190; p. 193.
- Paal, Carl, Leipzig, and C. Amberger, Erlangen, assignors to Kalle & Company, Aktiengesellschaft, Biebrich, Germany. Ointment containing colloidal compounds. No. 1,077,854; Nov. 4; Gaz. vol. 196; p. 209.
- Paal, Carl, Leipzig, and C. Amberger, Erlangen, assignors to Kalle & Company, Aktiengesellschaft, Biebrich, Germany. Preparation containing colloidal compounds. No. 1,077,891; Nov. 4; Gaz. vol. 196; p. 223.
- Paatz, Hermann, Burg, near Magdeburg, Germany. Washing-out and refining machine. No. 1,083,128; Dec. 30; Gaz. vol. 197; p. 1225.
- Pabst, William F., assignor of one-third to W. G. Steenbock, Denver, Colo. Car-cuspidor. No. 1,078,872; Nov. 18; Gaz. vol. 196; p. 626.
- Pace, Clifford B., Jackson, Tenn. Combined door-bell and burglar-alarm. No. 1,057,766; Apr. 1; Gaz. vol. 189; p. 126.
- Pace, Edgar J., assignor to National Street and Station Indicator Company, Los Angeles, Cal. Indicator-operating mechanism. No. 1,064,927; June 17; Gaz. vol. 191; p. 666.
- Pace, Edgar J., assignor to National Street and Station Indicator Company, Los Angeles, Cal. Switch mechanism. No. 1,082,210; Dec. 23; Gaz. vol. 197; p. 876.
- Pace, Edgar J., and O. E. Kellum, assignors to National Street and Station Indicator Company, Los Angeles, Cal. Indicator mechanism. No. 1,080,161; Dec. 2; Gaz. vol. 197; p. 85.
- Pace, Jefferson D., Alexandria, La. Folding coop. No. 1,071,458; Aug. 26; Gaz. vol. 193; p. 910.
- Pace, Louis S., and J. F. Osborne, Ironaton, Ala. Pneumatic shock-absorber. No. 1,069,574; Aug. 5; Gaz. vol. 193; p. 167.
- Pache, Auguste, New York, N. Y. Time-control apparatus. No. 1,076,055; Oct. 21; Gaz. vol. 195; p. 559.
- Pacher, Franz, Rath, near Dusseldorf, Germany. Device for introducing swages into a forging-press or withdrawing them therefrom. No. 1,057,384; Mar. 25; Gaz. vol. 188; p. 1024.
- Pacific Electric Heating Company. (See Falkenberg, Bjarne, assignor.)
- Pacific Flush Tank Company. (See Chase, Edward S., assignor.)
- Pacific Flush Tank Company. (See Miller and Cox, assignors.)
- Pacific Flush Tank Company. (See Rein, Lester E., assignor.)
- Pacific Foundry Company. (See Fowler, Edward J., assignor.)
- Pacific Heating & Manufacturing Co. (See Kent, Giles, and Lyster, assignors.)
- Pacific Lubricating Company. (See Pettit, Lyman D., assignor.)
- Pacific Spring Bed Co. (See Stackhouse, George A., assignor.)
- Pacific Wave Power Company. (See Shipman, Bennet C., assignor.)
- Package Machinery Company. (See Ferguson, Milford B., assignor.)
- Package Machinery Company. (See Kempf, Henry J., assignor.)
- Packard Company, The. (See Gamble, Frederick O., assignor.)
- Packard Company, The. (See Magnuson, Nels, assignor.)
- Packard, Edward N., Perry, Iowa. Gate for locomotive-tenders. No. 1,070,517; Aug. 19; Gaz. vol. 193; p. 563.
- Packard, James A., Milwaukee, Wis. Pneumatic gun. No. 1,065,546; June 24; Gaz. vol. 191; p. 912.
- Packard, James W., Warren, Ohio, assignor, by mesne assignments, to Packard Motor Car Company, Detroit, Mich. Valve-operating mechanism for motor-vehicles. No. 1,050,288; Jan. 14; Gaz. vol. 186; p. 362.
- Packard Motor Car Company. (See Breakwell, Percival H., assignor.)
- Packard Motor Car Company. (See Church, Harold D., assignor.)
- Packard Motor Car Company. (See Cowles, Edward P., assignor.)
- Packard Motor Car Company. (See Huff, Russell, assignor.)
- Packard Motor Car Company. (See Knight, Alfred H., assignor.)
- Packard Motor Car Company. (See Link, Vincent, assignor.)
- Packard Motor Car Company. (See Loomis, Allen, assignor.)
- Packard Motor Car Company. (See Packard, James W., assignor.)
- Packard Motor Car Company. (See Tibbetts, Milton, assignor.)
- Packard Motor Car Company. (See Trego, Frank H., assignor.)
- Packard Motor Car Company. (See Waldon, Sidney D., assignor.)
- Packard, Quincy E., Montreal, Quebec, Canada. Bunion-protector. No. 1,054,934; Mar. 4; Gaz. vol. 188; p. 95.
- Packer Auto Specialty Company. (See Packer, Eben R., assignor.)
- Packer, Eben R., Chicago, Ill. Snow-flanger. No. 1,057,084; Mar. 25; Gaz. vol. 188; p. 924.
- Packer, Eben R., Chicago, Ill., assignor to Packer Auto Specialty Company. Roller-clutch device. No. 1,057,495; Apr. 1; Gaz. vol. 189; p. 34.
- Packer, Mortimer L., Columbus, Ohio. Combined heating and illuminating burner. No. 1,074,560; Sept. 30; Gaz. vol. 194; p. 1107.
- Packham, Frank R., assignor to The American Seeding Machine Company, Springfield, Ohio. Bearing. No. 1,050,995; Jan. 21; Gaz. vol. 186; p. 642.
- Packham, Frank R., assignor to The American Seeding Machine Company, Springfield, Ohio. Double-disk furrow-opener. No. 1,079,140; Nov. 18; Gaz. vol. 196; p. 719.
- Packham, Frank R., and W. L. Braley, assignors to The American Seeding Machine Company, Springfield, Ohio. Corn-planter. No. 1,065,075; June 17; Gaz. vol. 191; p. 716.
- Pacz, Aladár, Cleveland, Ohio, assignor, by mesne assignments, to General Electric Company. Manufacture of incandescent bodies of tungsten. No. 1,071,568; Aug. 26; Gaz. vol. 193; p. 946.
- Paddack, Arthur J., Omaha, Nebr. Hanger for storm-windows and the like. No. 1,071,950; Sept. 2; Gaz. vol. 194; p. 96.
- Paddock, Ira J., Nebraska City, Nebr. Sinusoid propeller. No. 1,052,949; Feb. 11; Gaz. vol. 187; p. 411.
- Paddock, Nathan J., Jersey City, N. J. Machine for aerial flights. No. 1,074,135; Sept. 30; Gaz. vol. 194; p. 968.
- Paden, W. D., et al. (See Dean, Henry A., assignor.)
- Pagani, Luigi A., West Hoboken, N. J. Friction-clutch. No. 1,081,861; Dec. 16; Gaz. vol. 197; p. 730.
- Page, Albert A., East Haven, assignor to Sargent & Company, New Haven, Conn. Lever-handle for door-latches. No. 1,050,996; Jan. 21; Gaz. vol. 186; p. 643.
- Page, Albert A., East Haven, assignor to Sargent & Company, New Haven, Conn. Padlock. No. 1,052,746; Feb. 11; Gaz. vol. 187; p. 338.
- Page, Albert A., East Haven, assignor to Sargent & Company, New Haven, Conn. Reversible latch. No. 1,057,663; Apr. 1; Gaz. vol. 189; p. 91.

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- Page, Albert A., East Haven, assignor to Sargent & Company, New Haven, Conn. Take-down square. No. 1,074,892; Oct. 7; Gaz. vol. 195; p. 103.
- Page, Arthur L. and E. F., Malden, Mass. Massage apparatus. No. 1,053,330; Apr. 8; Gaz. vol. 189; p. 366.
- Page, Charles L., Phoenix, Ariz. Pump. No. 1,069,717; Aug. 12; Gaz. vol. 193; p. 246.
- Page and Company, Samuel D. (See Hellweg, Henry, assignor.)
- Page Corporation. (See Page, William J., assignor.)
- Page, Duemont P. (See Bohannon and Page.)
- Page, Edward W., *et al.* (See Binkley, Robah J., assignor.)
- Page, Elmer F. (See Page, Arthur L. and E. F.)
- Page, Ernest V. (See Lemon, Don M., assignor.)
- Page, George M., assignor to The Haydenville Company, Haydenville, Mass. Drinking-fountain. No. 1,075,373; Oct. 14; Gaz. vol. 195; p. 298.
- Page, Hattie J., Grand Rapids, Mich. Undergarment. No. 1,069,073; July 29; Gaz. vol. 192; p. 1227.
- Page, J. Wallace. (See Waterman, Ira, assignor.)
- Page, John F., *et al.* (See Tibbs, Angus, assignor.)
- Page, Joseph H., Montreal, Quebec, Canada. Adjustable partition for cars. No. 1,052,747; Feb. 11; Gaz. vol. 187; p. 338.
- Page, Milo, Benton, Cal. Bench-vice. No. 1,063,379; June 3; Gaz. vol. 191; p. 71.
- Page, Stanley H., and C. J. Belden, assignors to Union Gas Engine Company, San Francisco, Cal. Gasifier for liquid fuels. No. 1,065,964; July 1; Gaz. vol. 192; p. 21.
- Page, Sydney E., *et al.* (See Swann, Charles, assignor.)
- Page, William J., Grand Rapids, Mich., assignor to Page Corporation, Jack. No. 1,079,316; Nov. 18; Gaz. vol. 196; p. 777.
- Page, William M., Philadelphia, Pa. Producing clad metals. No. 1,066,312; July 1; Gaz. vol. 192; p. 146.
- Pagerie, Joanny, assignor to C. Crepau, Paterson, N. J. Doubling and winding machine. No. 1,076,516; Oct. 21; Gaz. vol. 195; p. 719.
- Paget, Richard A. S. (See Bottomley, Hutton, and Paget.) (Reissue.)
- Pagnl, Guilio, Sacramento, Cal. Car-coupling. No. 1,050,684; Jan. 14; Gaz. vol. 186; p. 498.
- Pahl, August J. (See Kalenborn and Pahl.)
- Pahl, August J., Alameda, Cal. Laying submarine power and other electric cables. No. 1,060,785; May 6; Gaz. vol. 190; p. 75.
- Pahl, August J., San Francisco, Cal., assignor to K-P-F Electric Co. Disconnecting-switch. No. 1,076,387; Oct. 21; Gaz. vol. 195; p. 673.
- Pahl, Emiel, Sister Bay, Wis. Platform for engines. No. 1,077,549; Nov. 4; Gaz. vol. 196; p. 108.
- Paige, Earl L., Springfield, Ill. Sectional roof for silos and the like. No. 1,056,825; Mar. 25; Gaz. vol. 188; p. 834.
- Paine, Nathaniel E., West Newton, Mass. Tooth-brush. No. 1,082,041; Dec. 23; Gaz. vol. 197; p. 820.
- Painter, Gertrude G., Pittsburgh, Pa. Infant's garment. No. 1,079,798; Nov. 25; Gaz. vol. 196; p. 977.
- Painter, Herbert B. (See Cook, Theodore W., assignor.)
- Painter, William A., assignor to Pittsburgh Lamp, Brass & Glass Company, Pittsburgh, Pa. Chemical fire-extinguisher. No. 1,061,320; May 13; Gaz. vol. 190; p. 295.
- Paisley, William R., Lewisville, Minn. Rural-mail delivering and collecting apparatus. No. 1,062,183; May 20; Gaz. vol. 190; p. 628.
- Paiste, Henry T., assignor to H. T. Paiste Company, Philadelphia, Pa. Lamp-socket shell. No. 1,053,743; Feb. 18; Gaz. vol. 187; p. 728.
- Paiste, Henry T., assignor to H. T. Paiste Company, Philadelphia, Pa. Fuse-plug. No. 1,078,458; Nov. 11; Gaz. vol. 196; p. 452.
- Palen, Frank A., New York, N. Y. Apparatus for treating wood. No. 1,062,184; May 20; Gaz. vol. 190; p. 629.
- Palen, Frank A., New York, N. Y. Scientific curing of woods. No. 1,066,523; July 8; Gaz. vol. 192; p. 245.
- Palen, Victor, Harvey, Ill. Trunk. No. 1,062,496; May 20; Gaz. vol. 190; p. 733.
- Palin, David, Central Falls, R. I. Clothes-line tightener. No. 1,073,512; Sept. 16; Gaz. vol. 194; p. 704.
- Palin, Frank E. and R. A., San Mateo, Cal. Seat-spring for motor-cycles. No. 1,061,199; May 6; Gaz. vol. 190; p. 218.
- Palin, Ronald A. (See Palin, Frank E. and R. A.)
- Paling, Thomas E., Dundas, Ontario, Canada. Variable inductance. No. 1,054,862; Mar. 4; Gaz. vol. 188; p. 73.
- Pallesen, Viggo W., Collegeview, Nebr., and J. Paulson, Hutchinson, Minn.; said Paulson assignor to said Pallesen. Combined fireless cooker and range. No. 1,073,924; Sept. 23; Gaz. vol. 194; p. 869.
- Palm, Adolph G., Lyle, Minn. Horseshoe. No. 1,073,773; Sept. 23; Gaz. vol. 194; p. 820.
- Palmer, Arthur J. (See Winegarden, Arey V., assignor.)
- Palmer, Arthur L., Chenango Forks, N. Y. Combined milk stirrer and aerator. No. 1,067,056; July 8; Gaz. vol. 192; p. 427.
- Palmer, Bartlett J. (See Adams, Edgar C., assignor.)
- Palmer, Bartlett J., Davenport, Iowa. Mounting for bones. No. 1,073,703; Sept. 23; Gaz. vol. 194; p. 795.
- Palmer, Bradley W., *et al.*, trustees. (See McMullen, George W. and G. B., assignors.) (Reissue.)
- Palmer, Cassius C., assignor to Railway and Stationary Refrigerating Company, New York, N. Y. Powder or explosive magazine for war-ships. No. 1,079,070; Nov. 18; Gaz. vol. 196; p. 695.
- Palmer, Charles. (See Blee, Black, and Palmer.)
- Palmer, Charles, London, England, assignor to The National Cash Register Company, Dayton, Ohio. Cash-register. No. 1,049,760; Jan. 7; Gaz. vol. 186; p. 150.
- Palmer, Charles, Catford; R. Briden, receiver in lunacy of said Palmer, assignor to G. W. Marsh and C. R. Thomas, London, England. Cash-register. No. 1,072,769; Sept. 9; Gaz. vol. 194; p. 404.
- Palmer, Charles J., Appleton, Wis. Dental device. No. 1,072,357; Sept. 2; Gaz. vol. 194; p. 232.
- Palmer, Coolidge C., Elizabeth, N. J. Box or carton. No. 1,081,981; Dec. 23; Gaz. vol. 197; p. 799.
- Palmer Electric & Manufacturing Company, The. (See Palmer, Granville E., assignor.)
- Palmer, F. Irvin. (See Palmer, Winant W., assignor.)
- Palmer, Francis N., Kenosha, Wis. Tube forming and sheathing apparatus. No. 1,080,925; Dec. 9; Gaz. vol. 197; p. 382.
- Palmer, Frederick A., Middletown, Conn. Mattress-supporting frame. No. 1,065,076; June 17; Gaz. vol. 191; p. 717.
- Palmer, Frederick A., Middletown, Conn. Collapsible bed. No. 1,076,224; Oct. 21; Gaz. vol. 195; p. 617.
- Palmer, Frederick A., Middletown, Conn. Mattress-guard. No. 1,080,845; Dec. 9; Gaz. vol. 197; p. 356.
- Palmer, Frederick J., Providence, R. I. Hinge. No. 1,063,136; May 27; Gaz. vol. 190; p. 985.
- Palmer, Granville E., assignor to The Hart Manufacturing Company, Hartford, Conn. Switch. No. 1,060,700; May 6; Gaz. vol. 190; p. 48.
- Palmer, Granville E., Brookline, assignor to The Palmer Electric & Manufacturing Company, Boston, Mass. Service-switch mechanism. No. 1,073,281; Sept. 16; Gaz. vol. 194; p. 624.
- Palmer, Harry B., New York, N. Y., assignor to Milton Bradley Company, Springfield, Mass. Game apparatus. No. 1,061,864; May 13; Gaz. vol. 190; p. 478.
- Palmer, Henry A., Jewell, Kans. Rail-joint. No. 1,074,524; Sept. 30; Gaz. vol. 194; p. 1095.
- Palmer, Henry J., Greensboro, N. C. Strap-lock. No. 1,065,390; June 24; Gaz. vol. 191; p. 858.
- Palmer, Isaac A. and J. N., Milwaukee, Wis. Jamb-lock. No. 1,065,965; July 1; Gaz. vol. 192; p. 22.
- Palmer, Isaac E., Middletown, Conn. Loom for weaving fulled-valance hammocks. No. 1,057,085; Mar. 25; Gaz. vol. 188; p. 924.
- Palmer, Isaac E., assignor to The I. E. Palmer Co., Middletown, Conn. Couch-hammock and wind-shield therefor. No. 1,053,859; Feb. 18; Gaz. vol. 187; p. 764.
- Palmer, Isaac E., assignor to The I. E. Palmer Co., Middletown, Conn. Couch-hammock and back-rest and wind-shield therefor. No. 1,053,860; Feb. 18; Gaz. vol. 187; p. 764.
- Palmer, Isaac E., assignor to The I. E. Palmer Company, Middletown, Conn. Bifurcated hammock. No. 1,077,229; Oct. 28; Gaz. vol. 195; p. 1017.
- Palmer, James H., Chicago, Ill. Fuse. No. 1,052,950; Feb. 11; Gaz. vol. 187; p. 411.
- Palmer, John N. (See Palmer, Isaac A. and J. N.)
- Palmer, Layton W., Siloam Springs, Ark., assignor of one-half to E. Miller, Wyoming, Ill. Hay-baling machine. No. 1,081,624; Dec. 16; Gaz. vol. 197; p. 650.
- Palmer, Lewellyn, La Moure, N. D. Mail-bag catcher. No. 1,069,718; Aug. 12; Gaz. vol. 193; p. 246.
- Palmer, Lyndon C., assignor to F. N. Burt Company, Limited, Buffalo, N. Y. Box-making machine. No. 1,070,518; Aug. 19; Gaz. vol. 193; p. 563.
- Palmer, Lyndon C., assignor to The F. N. Burt Company, Limited, Buffalo, N. Y. Cutting mechanism. No. 1,067,269; July 15; Gaz. vol. 192; p. 538.
- Palmer, Lyndon C., assignor to The F. N. Burt Company, Limited, Buffalo, N. Y. Stacking mechanism. No. 1,067,839; July 22; Gaz. vol. 192; p. 764.
- Palmer, Mildred E., Pueblo, Colo. Postal-card case. No. 1,063,891; June 3; Gaz. vol. 191; p. 246.
- Palmer, Montague, New York, assignor to H. Rosenstein, Brooklyn, N. Y. Strand-twisting device. No. 1,063,722; June 3; Gaz. vol. 191; p. 192.
- Palmer, Reuben P., St. Louis, Mo. Register. No. 1,063,723; June 3; Gaz. vol. 191; p. 192.
- Palmer, William D. (See Braden and Palmer.)
- Palmer, William H. (See Shoupe and Palmer.)
- Palmer, William M., Taft, Cal. Combined rail brace and splice. No. 1,082,042; Dec. 23; Gaz. vol. 197; p. 821.
- Palmer, Winant W., assignor of one-half to F. I. Palmer, New York, N. Y. Lathing device. No. 1,068,923; July 29; Gaz. vol. 192; p. 1178.
- Palmer, Wyatt F., Comanche, Okla. Cotton-cleaner. No. 1,064,989; June 17; Gaz. vol. 191; p. 688.
- Palmerio, Raymond J. (See Dragan, George, and Palmerio.)

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- Palmgren, Carl A., Chicago, Ill. Time-controlled circuit-closing device. No. 1,074,813; Oct. 7; Gaz. vol. 195; p. 77.
- Palmgren, Charles A., Chicago, Ill. Drill-socket attachment for lathes. No. 1,050,385; Jan. 14; Gaz. vol. 186; p. 397.
- Palmowski, Stanislaus, and W. Chwalkowski, New York, N. Y. Aeronautical apparatus. No. 1,069,346; Aug. 5; Gaz. vol. 193; p. 91.
- Palmros, Alexander, assignor to The Pneumelectric Machine Company, Syracuse, N. Y. Rock-drill. No. 1,052,373; Feb. 4; Gaz. vol. 187; p. 180.
- Palmros, Alexander, assignor to The Pneumelectric Machine Company, Syracuse, N. Y. Electrically-driven portable machine. No. 1,066,648; July 8; Gaz. vol. 192; p. 289.
- Palmros, Alexander, assignor to The Pneumelectric Machine Company, Syracuse, N. Y. Fluid-pressure-driven tool. No. 1,072,358; Sept. 2; Gaz. vol. 194; p. 232.
- Palmros, Alexander, assignor to The Pneumelectric Machine Company, Syracuse, N. Y. Rock-drill with water-feed. No. 1,072,359; Sept. 2; Gaz. vol. 194; p. 233.
- Palmros, Alexander, assignor to The Jeffrey Manufacturing Company, Columbus, Ohio. Motor-car. No. 1,053,062; Feb. 11; Gaz. vol. 187; p. 448.
- Palomo y Goitlandia, Cándido, Deusto, Bilbao, Spain. Lubricator for piston-rods. No. 1,073,282; Sept. 16; Gaz. vol. 194; p. 625.
- Palter, Elias, New York, N. Y. Thimble. No. 1,057,496; Apr. 1; Gaz. vol. 189; p. 34.
- Paltridge, George H., Washington, D. C. Obtaining dry solids from liquid substances. No. 1,051,441; Jan. 28; Gaz. vol. 186; p. 826.
- Paluh, Joseph, Garfield, N. J. Lock. No. 1,057,874; Apr. 1; Gaz. vol. 189; p. 165.
- Panabaker, John H., *et al.* (See Stamm, Charles H., assignor.)
- Pancke, Johannes, Berlin, Germany. Holder for pencils and other utensils. No. 1,083,027; Dec. 30; Gaz. vol. 197; p. 1192.
- Panczuk, Anna. (See Thomas, John, assignor.)
- Pandow, Emil G., assignor to G. W. Costello, Chicago, Ill. Folding seat. No. 1,060,358; Apr. 29; Gaz. vol. 189; p. 1175.
- Pannier Brothers Stamp Company. (See Pannier, Oscar M., assignor.)
- Pannier Brothers Stamp Company. (See Pannier, William J., Jr., assignor.)
- Pannier, Oscar M., assignor to Pannier Brothers Stamp Company, Pittsburgh, Pa. Stamp. No. 1,079,061; Nov. 18; Gaz. vol. 196; p. 692.
- Pannier, William J., Jr., assignor to Pannier Brothers Stamp Company, Pittsburgh, Pa. Stamping-machine. No. 1,049,908; Jan. 7; Gaz. vol. 186; p. 200.
- Pannier, William J., Jr., assignor to Pannier Brothers Stamp Company, Pittsburgh, Pa. Stamp. (Reissue.) No. 1,352,1; Jan. 28; Gaz. vol. 186; p. 965.
- Pannier, William J., Jr., assignor to Pannier Brothers Stamp Company, Pittsburgh, Pa. Stamp. No. 1,071,527; Aug. 26; Gaz. vol. 193; p. 932.
- Pannier, William J., Jr., assignor to Pannier Brothers Stamp Company, Pittsburgh, Pa. Stamp. No. 1,071,626; Aug. 26; Gaz. vol. 193; p. 966.
- Panoulas, Panayiotis, Hoboken, N. J. Device for use in candy-making. No. 1,062,661; May 27; Gaz. vol. 190; p. 829.
- Panoulas, Panayiotis, Hoboken, N. J. Machine for coating confections. No. 1,082,234; Dec. 23; Gaz. vol. 197; p. 886.
- Paolucci, Henry E., San Antonio, Tex. Lard-extracting machine. No. 1,083,129; Dec. 30; Gaz. vol. 197; p. 1226.
- Pap, Károly, Kolozsvár, Austria-Hungary. Automatic-shut-off water-gage. No. 1,072,642; Sept. 9; Gaz. vol. 194; p. 361.
- Papa-Fedoroff, Michael, and W. Scorcelletti, St. Petersburg, Russia. Fuel-spray diffuser. No. 1,055,789; Mar. 11; Gaz. vol. 188; p. 418.
- Pape, Bruno L., New Braunfels, Tex. Wardrobe. No. 1,064,928; June 17; Gaz. vol. 191; p. 666.
- Pape, Harry W., Cincinnati, Ohio. Safe-deposit box. No. 1,050,487; Jan. 14; Gaz. vol. 186; p. 434.
- Pape, Harry W., Cincinnati, Ohio. Safe-deposit box. No. 1,060,018; Apr. 29; Gaz. vol. 189; p. 1057.
- Pape, Herman G., Buffalo, N. Y. Passenger-driver telephone signal system for vehicles. No. 1,060,851; May 6; Gaz. vol. 190; p. 99.
- Pape, Wilhelm, Charlottenburg, Germany, assignor to General Electric Company. Governing mechanism for mixed-pressure turbines. No. 1,064,762; June 17; Gaz. vol. 191; p. 615.
- Pape, Wilhelm, Charlottenburg, Germany, assignor to General Electric Company. Regulator for tapped turbines. No. 1,064,763; June 17; Gaz. vol. 191; p. 616.
- Pape, Wilhelm, Charlottenburg, Germany, assignor to General Electric Company. Steam-regulator for turbines. No. 1,076,446; Oct. 21; Gaz. vol. 195; p. 695.
- Paper Working Machines Co. (See Raffel, Tobias E., assignor.)
- Papin, Alphonse, Levallois-Perret, France. Fluid-propeller. No. 1,055,487; Mar. 11; Gaz. vol. 188; p. 317.
- Papp, George, New York, N. Y. Shoe. No. 1,052,169; Feb. 4; Gaz. vol. 187; p. 113.
- Pappadakes, Gust P., New York, N. Y. Automobile-wheel and rim. No. 1,069,025; July 29; Gaz. vol. 192; p. 1211.
- Paquet, Joseph, assignor of one-third to A. Snyder and one-third to H. Mintzer, Poughkeepsie, N. Y. Fire-escape. No. 1,059,754; Apr. 22; Gaz. vol. 189; p. 927.
- Paquette, Marshall, assignor to National Construction Company, Worcester, Mass. Folding grandstand. No. 1,067,440; July 15; Gaz. vol. 192; p. 596.
- Paradis, Albert, Philadelphia, Pa., assignor to Samuel Sternberger Company. Sad-iron heater. No. 1,057,263; Mar. 25; Gaz. vol. 188; p. 986.
- Paradis, Albert, Philadelphia, Pa., assignor to Samuel Sternberger Company. Shirt-sleeve. No. 1,066,219; July 1; Gaz. vol. 192; p. 113.
- Paradis, Albert, Philadelphia, Pa., assignor to Samuel Sternberger Company. Box. No. 1,068,818; July 29; Gaz. vol. 192; p. 1142.
- Parafine Paint Company. (See Dohm, Charles W., assignor.)
- Paragon Metal Cap Co. (See Carvalho, Leslie R. N., assignor.)
- Parchman, Henry J., Anacortes, Wash. Control for engines. No. 1,055,217; Mar. 4; Gaz. vol. 188; p. 188.
- Parco, Jack, Jamestown, Cal. Change-gearing for motor-cycles. No. 1,056,209; Mar. 18; Gaz. vol. 188; p. 594.
- Pardee, Rollin D., Garrettsville, assignor to The McCaskey Register Company, Alliance, Ohio. Account-register. No. 1,055,070; Mar. 4; Gaz. vol. 188; p. 142.
- Paré, Omer, assignor of one-tenth to A. R. Folsy, Salem, Mass. Leveling instrument. No. 1,067,753; July 15; Gaz. vol. 192; p. 702.
- Parenski, Jan. (See Bylicki and Parenski.)
- Parfrey, William J., assignor to M. G. Cohn, New York, N. Y. Hair-dressing device. No. 1,070,064; Aug. 12; Gaz. vol. 193; p. 364.
- Parham, William J., Pittsburgh, Pa. Egg-beater. No. 1,072,251; Sept. 2; Gaz. vol. 194; p. 197.
- Paris, Louis E., and A. Premo, St. Paul, Minn. Mechanical movement. No. 1,083,261; Dec. 30; Gaz. vol. 197; p. 1266.
- Parisano, Michael A., New York, N. Y. Running support for flying-machines. No. 1,049,521; Jan. 7; Gaz. vol. 186; p. 68.
- Parisano, Michael A., New York, N. Y. Flying-machine. No. 1,074,525; Sept. 30; Gaz. vol. 194; p. 1096.
- Parisen, Robert T., Knoxville, assignor to Lawson Manufacturing Company, Homestead, Pa. Thermostatic valve. No. 1,075,934; Oct. 14; Gaz. vol. 195; p. 490.
- Parish, William A., La Salle, Colo. Sprinkler. No. 1,082,437; Dec. 23; Gaz. vol. 197; p. 956.
- Parisiana Limited. (See Richards, George L., assignor.)
- Park Engineering Company. (See Traver, Harry G., assignor.)
- Park, James A., Passaic, N. J. Bracket. No. 1,071,011; Aug. 19; Gaz. vol. 193; p. 725.
- Park, John, Montreal, Canada. Rope and wire clamp. No. 1,066,751; July 8; Gaz. vol. 192; p. 327.
- Park, John P., Beloit, Kans. Life-saving suit. No. 1,081,862; Dec. 16; Gaz. vol. 197; p. 731.
- Park, Philip R., Somerville, Mass., assignor to The Park & Pollard Company. Feed-dish guard. No. 1,079,261; Nov. 18; Gaz. vol. 196; p. 758.
- Park & Pollard Company, The. (See Park, Philip R., assignor.)
- Park, Samuel T., and J. E. Phillips, Danville, assignors to Locomotive Recording Dynamometer Company, Chicago, Ill. Recording device for vehicles. No. 1,054,601; Feb. 25; Gaz. vol. 187; p. 1054.
- Park, Sidney R., Wigan, England. Handle for spades, shovels, forks, and like implements. No. 1,077,550; Nov. 4; Gaz. vol. 196; p. 108.
- Park, William. (See Gunson and Park.)
- Park, William E., Rockford, Ill. Refrigerator. No. 1,074,453; Sept. 30; Gaz. vol. 194; p. 1074.
- Park, William H., New York, N. Y. Pasteurizing apparatus. No. 1,062,847; May 27; Gaz. vol. 190; p. 890.
- Park, William R., Taunton, Mass., assignor to The United Injector Company, New York, N. Y. Gas-regulator. (Reissue.) No. 13,631; Oct. 21; Gaz. vol. 195; p. 784.
- Parke, Henrietta K., Chicago, Ill. Window-cleaner. No. 1,061,112; May 6; Gaz. vol. 190; p. 189.
- Parke, John Y., Philadelphia, Pa. Electric gas-lighter. No. 1,049,522; Jan. 7; Gaz. vol. 186; p. 68.
- Parke, Robert A., Parke Mines, Ontario, Canada, assignor to The Westinghouse Air Brake Company, Pittsburgh, Pa. High-speed brake apparatus. No. 1,057,497; Apr. 1; Gaz. vol. 189; p. 34.
- Parker, Abbott S., Abernathy, Tex. Cow-yoke. No. 1,070,519; Aug. 19; Gaz. vol. 193; p. 564.
- Parker, Andrew, Newcastle, Tex. Safety-stirrup. No. 1,051,351; Jan. 21; Gaz. vol. 186; p. 762.
- Parker, Arthur H., *et al.* (See Bowers and Townsend, assignors.)
- Parker, Bert W., New York, N. Y. Garter. No. 1,066,524; July 8; Gaz. vol. 192; p. 245.
- Parker Brothers. (See Ordway, Frank L., assignor.)

Alphabetical list of patentees—Continued.

- Parker, Burton H., A. H. Lange, and V. S. Perazio, Detroit, Mich. Pipe-coupling. No. 1,058,255; Apr. 8; Gaz. vol. 189; p. 339.
- Parker, C. L., *et al.* (See Robbins, Ira, assignor.)
- Parker, Calvin S., London, Ontario, Canada. Gasket. No. 1,054,863; Mar. 4; Gaz. vol. 188; p. 73.
- Parker Carbureter Company. (See Hapgood, Cyrus H., assignor.)
- Parker, Chandler L., Lynn, Mass., assignor to United Shoe Machinery Company, Paterson, N. J. Sole-leveling machine. No. 1,082,761; Dec. 30; Gaz. vol. 197; p. 1103.
- Parker, Charles W. (See Brundage, Seth W., assignor.)
- Parker, Charles W. (See Miller, Harvey L., assignor.)
- Parker, Clarence L., Los Angeles, Cal. Pump-rod coupling. No. 1,059,560; Apr. 22; Gaz. vol. 189; p. 864.
- Parker, Clarence L., Los Angeles, Cal. Sucker-rod coupling. No. 1,064,764; June 17; Gaz. vol. 191; p. 616.
- Parker, Clarence L., Los Angeles, Cal. Elevator for sucker-rods. No. 1,072,360; Sept. 2; Gaz. vol. 194; p. 233.
- Parker, Clark W., assignor to Parker Transmission and Appliance Company, Springfield, Mass. Means for controlling and regulating the operation of clutches. No. 1,055,071; Mar. 4; Gaz. vol. 188; p. 143.
- Parker, Edmund A., Meriden, Conn. Salt-shaker. No. 1,054,864; Mar. 4; Gaz. vol. 188; p. 73.
- Parker, Edmund A., Meriden, Conn. Nutmeg container and grater. No. 1,079,434; Nov. 25; Gaz. vol. 196; p. 847.
- Parker, Edward, Bristol, England. Machine for forming paper capsules and affixing the same to bottles. No. 1,070,839; Aug. 19; Gaz. vol. 193; p. 670.
- Parker, Edward K., Santa Barbara, Cal. Electric pneumatic-pressure controller. No. 1,081,693; Dec. 16; Gaz. vol. 197; p. 672.
- Parker, Edwin D., and A. E. Overholser, Springfield, Ohio; said Parker assignor to said Overholser. Portable fire-escape. No. 1,069,900; Aug. 12; Gaz. vol. 193; p. 310.
- Parker, Edwy S. (See Hixon and Parker.)
- Parker, Frank O., Washington, D. C., assignor of two-fifths to F. C. Smith, Waterbury, Conn. Vacuum massage device. No. 1,060,852; May 6; Gaz. vol. 190; p. 100.
- Parker, Frank L., New York, N. Y. Drag scoop or bucket. No. 1,082,438; Dec. 23; Gaz. vol. 197; p. 956.
- Parker, Fred E., Lansing, Mich. Speed-governing pulley. No. 1,078,161; Nov. 11; Gaz. vol. 196; p. 347.
- Parker, Fred G., Paterson, assignor of one-half to H. Smith, Acquackanonk, N. J. Luggage-carrier. No. 1,081,326; Dec. 16; Gaz. vol. 197; p. 552.
- Parker, Geo. D. (See Shepherd, Winfred P., assignor.)
- Parker, George D. (See Willits, Robert L., assignor.)
- Parker, George D., Riverside, Cal. Box elevating and dumping machine. No. 1,049,523; Jan. 7; Gaz. vol. 186; p. 69.
- Parker, George E., and W. Ellinger, Fairhaven, Mo. Corn-planter. No. 1,073,816; Sept. 23; Gaz. vol. 194; p. 831.
- Parker, George H., Newark, N. J., assignor, by mesne assignments, to M. C. Baker, Stamford, Conn. Bulletin-board. No. 1,073,866; Sept. 23; Gaz. vol. 194; p. 848.
- Parker, George S., Janesville, Wis. Fountain-pen. No. 1,078,513; Nov. 11; Gaz. vol. 196; p. 469.
- Parker, Harry, Cullman, Ala. Starting device for automobiles. No. 1,066,649; July 8; Gaz. vol. 192; p. 289.
- Parker, Harry J., San Francisco, Cal. Rotary cutter. No. 1,079,799; Nov. 25; Gaz. vol. 196; p. 977.
- Parker, Harry L. (See Cobb and Parker.)
- Parker, Henry C., Holyoke, Mass. Gas-analyzing apparatus and process. No. 1,057,767; Apr. 1; Gaz. vol. 189; p. 126.
- Parker, Hiram C., Monte Creeke, British Columbia, Canada. Folding tent. No. 1,051,252; Jan. 21; Gaz. vol. 186; p. 728.
- Parker, Howard, Nashua, N. H. Paper and pulp treating machine. No. 1,050,386; Jan. 14; Gaz. vol. 186; p. 397.
- Parker, Howard, assignor to The Improved Paper Machinery Company, Nashua, N. H. Separating apparatus. No. 1,069,169; Aug. 5; Gaz. vol. 193; p. 28.
- Parker, Howard, assignor to The Improved Paper Machinery Company, Nashua, N. H. Roll. No. 1,070,520; Aug. 19; Gaz. vol. 193; p. 564.
- Parker, John C., Philadelphia, Pa. Steam-superheater. No. 1,063,585; June 3; Gaz. vol. 191; p. 141.
- Parker, John H. (See Keefe, Joseph, assignor.)
- Parker, John H. (See Oyster and Parker.)
- Parker, Joseph N., Bedford City, Va. Motor-plow. No. 1,073,513; Sept. 16; Gaz. vol. 194; p. 704.
- Parker, Joseph N., Bedford City, Va. Motor-plow. No. 1,075,061; Oct. 7; Gaz. vol. 195; p. 164.
- Parker, Lee M. (See Engle, John F., assignor.)
- Parker, Malcolm M. (See Curtis and Parker.)
- Parker Manufacturing Company, The. (See Parker, Willis S., assignor.)
- Parker, Percy C. (See Alexander, John W., assignor.)
- Parker, Phillip T., McKenzie, Ala. Curing sweet potatoes. No. 1,051,755; Jan. 28; Gaz. vol. 186; p. 930.
- Parker, Thomas R. G. (See Pearce, Parker, and Wright.)
- Parker, Thomas T., New York, N. Y. Boiler. No. 1,078,212; Nov. 11; Gaz. vol. 196; p. 365.
- Parker Transmission and Appliance Company. (See Parker, Clark W., assignor.)
- Parker, W. A., *et al.* (See Dean, Henry A., assignor.)
- Parker, William, Dunbar, W. Va. Tobacco-box. No. 1,077,744; Nov. 4; Gaz. vol. 196; p. 172.
- Parker, William H., Passaic, N. J., assignor to E. Stewart, Minneapolis, Minn. Splint-machine. No. 1,052,510; Feb. 11; Gaz. vol. 187; p. 260.
- Parker, William J., and A. A. Strom, Halifax, Nova Scotia, Canada. Cable-grip. No. 1,080,472; Dec. 2; Gaz. vol. 197; p. 193.
- Parker, Willis S., assignor to The Parker Manufacturing Company, Philadelphia, Pa. Gaseous-fuel mixer. No. 1,074,136; Sept. 30; Gaz. vol. 194; p. 969.
- Parkes, Bertrand A. (See Sibson and Parkes.)
- Parkes, Bertrand A., assignor to The Philadelphia Drying Machinery Company, Philadelphia, Pa. Automatic stocking-drier. No. 1,063,829; June 3; Gaz. vol. 191; p. 227.
- Parkes, Bertrand A., Barren Hill, assignor to The Philadelphia Drying Machinery Company, Philadelphia, Pa. Automatic fabric-loop drier and feed for same. No. 1,071,651; Aug. 26; Gaz. vol. 193; p. 973.
- Parkes, Samuel R. (See Freeman and Parkes.)
- Parkes, Samuel R., Willenhall, England. Lock. No. 1,064,002; June 10; Gaz. vol. 191; p. 320.
- Parkes, Samuel R., Willenhall, and C. H. Freeman, Wolverhampton, England. Casement-hinge. No. 1,067,369; July 15; Gaz. vol. 192; p. 572.
- Parkhurst, Harleigh, Walpole, N. H. Steering-gear. No. 1,078,514; Nov. 11; Gaz. vol. 196; p. 469.
- Parkhurst, Layton M., Anderson, Ind., assignor to Indiana Die Casting Development Company. Die-casting machine. No. 1,053,132; Feb. 11; Gaz. vol. 187; p. 473.
- Parkhurst, Layton M., Indianapolis, Ind., assignor to The Indiana Die Casting Development Company. Die-casting machine. No. 1,054,789; Mar. 4; Gaz. vol. 188; p. 47.
- Parkhurst, Layton M., Anderson, Ind., assignor to Indiana Die Casting Development Company. Die-casting machine. No. 1,056,442; Mar. 18; Gaz. vol. 188; p. 673.
- Parkhurst, Otis K., Mulvane, Kans. Barber's apron. No. 1,062,497; May 20; Gaz. vol. 190; p. 733.
- Parkin, Joseph W., Philadelphia, Pa. Carbureter. No. 1,082,762; Dec. 30; Gaz. vol. 197; p. 1103.
- Parkin, Winfred T., Providence, R. I. Tea and coffee strainer. No. 1,073,164; Sept. 16; Gaz. vol. 194; p. 582.
- Parkinson, Fred W., *et al.* (See Sullivan, John W., assignor.)
- Parkinson, George W., and R. S. Tompkins, Fishkill-on-the-Hudson, N. Y. Cloth-ornamenting machine. No. 1,059,200; Apr. 15; Gaz. vol. 189; p. 704.
- Parkinson, Joseph. (See Storey and Parkinson.)
- Parkison, Thomas B., Muncie, Ind., assignor to Union Fibre Company, Winona, Minn. Non-conducting material and making same. No. 1,078,307; Nov. 11; Gaz. vol. 196; p. 400.
- Parks, Albert F., Cheltenham, Pa. Gas-engine. No. 1,070,521; Aug. 19; Gaz. vol. 193; p. 564.
- Parks Bros. & Rogers. (See Parks, William C., assignor.)
- Parks, Dennis, St. Louis, Mo. Feeding mechanism for cotton-cleaning machines. No. 1,081,461; Dec. 16; Gaz. vol. 197; p. 598.
- Parks, Jeremiah V. B., Newark, N. J. Rasp or file. No. 1,053,639; Feb. 18; Gaz. vol. 187; p. 691.
- Parks, Lewis F., Cincinnati, Ohio. Woodworking machinery. No. 1,063,210; June 3; Gaz. vol. 191; p. 14.
- Parks, Robert M., Chicago, Ill. Hat-pin protector. No. 1,052,951; Feb. 11; Gaz. vol. 187; p. 411.
- Parks, William C., Brooklyn, N. Y., assignor to Parks Bros. & Rogers, Providence, R. I. Jewelry-display case. No. 1,059,561; Apr. 22; Gaz. vol. 189; p. 864.
- Parks, William H., Tyro, Kans. Cow-pea cutter. No. 1,056,117; Mar. 18; Gaz. vol. 188; p. 563.
- Parlman, Lawrence E., Sea Cliff, N. Y. Thermometer. No. 1,081,139; Dec. 9; Gaz. vol. 197; p. 450.
- Parlin and Orendorff Company. (See Graham, William S., assignor.)
- Parmele, James J. (See Haynie, Brooks, assignor.)
- Parmenter, Frank C. (See Cole, Albert L., assignor.)
- Parmenter, George A., Boston, Mass. Life-guard for railway-cars. No. 1,068,444; July 29; Gaz. vol. 192; p. 1010.
- Parmenter, George A., Boston, Mass. Life-guard for railway-cars. No. 1,068,445; July 29; Gaz. vol. 192; p. 1011.
- Parmentier, George, assignor of one-half to A. Stein, Vienna, Austria-Hungary. Shoe-machine. No. 1,082,704; Dec. 30; Gaz. vol. 197; p. 1082.
- Parmeter, Wallace W., Eldred, Pa. Drill-rope coupling. No. 1,056,295; Mar. 18; Gaz. vol. 188; p. 623.
- Parr, Alfred, West Norwood, London, England. Machine for packing tea or other substances. No. 1,067,840; July 22; Gaz. vol. 192; p. 765.
- Parr, Henry A., New York, N. Y. Combination dental and surgical tool. No. 1,052,374; Feb. 4; Gaz. vol. 187; p. 180.
- Parra, Henri, assignor to Société H. Parra et Cie., Toulouse, France. Means for attaching wires and cables to insulators. No. 1,054,138; Feb. 25; Gaz. vol. 187; p. 896.

Alphabetical list of patentees—Continued.

- Parrahm, James N., assignor of one-half to J. McKinstry, Denver, Colo. Shade and curtain hanger. No. 1,078,162; Nov. 11; Gaz. vol. 196; p. 347.
- Parrish, E. J., *et al.* (See Tatum, James W., assignor.)
- Parrish, Ferrell, West Durham, N. C. Harness-hook. No. 1,079,661; Nov. 25; Gaz. vol. 196; p. 927.
- Parrish, James S., Richmond, Va., assignor to Richmond Cedar Works. Ice-cream-freezer-frame lock. No. 1,077,489; Nov. 4; Gaz. vol. 196; p. 88.
- Parrish, John M., Trenton, N. J. Fire-escape. No. 1,053,861; Feb. 18; Gaz. vol. 187; p. 765.
- Parrish, Joseph W., Nashville, Tenn. Grease-cup plug. No. 1,076,388; Oct. 21; Gaz. vol. 195; p. 674.
- Parrish, Nathaniel K., Gainesville, Fla. Cushion-tire. No. 1,082,647; Dec. 30; Gaz. vol. 197; p. 1061.
- Parrish, William N., Richmond, Ind. Wire-fence machine. No. 1,075,374; Oct. 14; Gaz. vol. 195; p. 298.
- Parrish, William N., Richmond, Ind. Wire-fence machine. No. 1,075,375; Oct. 14; Gaz. vol. 195; p. 299.
- Parrock, Harry P., Buffalo, N. Y. Water-cooled door. No. 1,050,229; Jan. 14; Gaz. vol. 186; p. 342.
- Parrott, John F. (See Henderson and Parrott.)
- Parrott, Lloyd E., Topinabee, Mich. Pneumatic shock-absorber. No. 1,066,313; July 1; Gaz. vol. 192; p. 147.
- Parry Manufacturing Company. (See Parry, Thomas H., assignor.)
- Parry, Richard W., Columbus, Ohio. Feed-water heating and purifying means. No. 1,064,855; June 17; Gaz. vol. 191; p. 644.
- Parry, Thomas H., assignor to Parry Manufacturing Company, Indianapolis, Ind. Vehicle-body. No. 1,054,711; Mar. 4; Gaz. vol. 188; p. 19.
- Parry, William H., assignor to The Simmons Manufacturing Company, Kenosha, Wis. Folding chair. No. 1,056,210; Mar. 18; Gaz. vol. 188; p. 594.
- Parsegan, Jacob H., San Francisco, Cal. Hair-planting instrument. No. 1,061,005; May 6; Gaz. vol. 190; p. 155.
- Parshall, Joseph P., assignor of one-third to M. W. Butts and one-third to W. R. Burrell, Savinsville, Pa. Concrete railway-tie. No. 1,063,586; June 3; Gaz. vol. 191; p. 141.
- Parsons, Arthur E., trustee. (See Tomlinson, Charles E., assignor.) (Reissue.)
- Parsons, Arthur H., assignor to The Parsons & Parsons Company, Cleveland, Ohio. Collar. No. 1,056,443; Mar. 18; Gaz. vol. 188; p. 673.
- Parsons, Charles A., Newcastle-upon-Tyne, and S. S. Cook, Wallsend, England; said Cook assignor to said Parsons. Condensing apparatus. No. 1,054,602; Feb. 25; Gaz. vol. 187; p. 1054.
- Parsons, Charles A., and G. G. Stoney, Newcastle-upon-Tyne, England; said Stoney assignor to said Parsons. Search-light reflector. No. 1,071,569; Aug. 26; Gaz. vol. 193; p. 946.
- Parsons, Charles A., Newcastle-upon-Tyne, S. S. Cook and L. M. Douglas, Wallsend, England; said Cook and Douglas assignors to said Parsons. Means for heating or cooling fluids. No. 1,058,896; Apr. 15; Gaz. vol. 189; p. 599.
- Parsons, Charles A., G. G. Stoney, and A. H. Law, Newcastle-upon-Tyne, England; said Stoney and Law assignors to said Parsons. Dynamo-electric machinery. No. 1,077,426; Nov. 4; Gaz. vol. 196; p. 66.
- Parsons, Charles E. (See Hilliard and Parsons.)
- Parsons, Charles J., Linworth, assignor to G. B. Donavin, Columbus, Ohio. Latch. No. 1,066,141; July 1; Gaz. vol. 192; p. 83.
- Parsons, Charles W., Harper, Kans. Harness-collar attachment. No. 1,065,547; June 24; Gaz. vol. 191; p. 912.
- Parsons, Edward C., *et al.* (See Bonn, Frank R., assignor.)
- Parsons, Elias M. (See Hassell, Lon, assignor.)
- Parsons Engineering Company. (See Parsons, John H., assignor.)
- Parsons, George H. L., London, England. Device for filling bottles or other receptacles with liquids. No. 1,052,748; Feb. 11; Gaz. vol. 187; p. 339.
- Parsons, Ione F., San Francisco, Cal. Door-fastener. No. 1,061,629; May 13; Gaz. vol. 190; p. 403.
- Parsons, John H., Philadelphia, Pa., assignor to Parsons Engineering Company, Wilmington, Del. Furnace. No. 1,066,041; July 1; Gaz. vol. 192; p. 49.
- Parsons, John H., Philadelphia, Pa., assignor to Parsons Engineering Company, Wilmington, Del. Furnace. No. 1,066,042; July 1; Gaz. vol. 192; p. 49.
- Parsons, John H., Philadelphia, Pa., assignor to Parsons Engineering Company, Wilmington, Del. Securing combustion of coal and similar products. No. 1,066,043; July 1; Gaz. vol. 192; p. 49.
- Parsons, John H., assignor to Parsons Engineering Company, Wilmington, Del. Means for securing combustion of coal and similar products. No. 1,066,044; July 1; Gaz. vol. 192; p. 50.
- Parsons, Lloyd W. (See Shoemaker, James S., assignor.)
- Parsons & Parsons Company, The. (See Parsons, Arthur H., assignor.)
- Parsons, Robert E., *et al.* (See McGee, Arthur C., assignor.)
- Parsons, William J. (See Victory and Parsons.)
- Parsons, Winslow R., Chicago, Ill. Window-sash-operating apparatus. No. 1,082,899; Dec. 30; Gaz. vol. 197; p. 1150.
- Partain, Joseph, Williams, Cal. Windmill. No. 1,074,011; Sept. 23; Gaz. vol. 194; p. 898.
- Partin, Thomas S., Junction, Ariz. Foot-guard for rails. No. 1,068,161; July 22; Gaz. vol. 192; p. 873.
- Partington, Frederick G., Coeur d'Alene, Idaho. Lifiable bubble-fountain. No. 1,053,213; Feb. 18; Gaz. vol. 187; p. 544.
- Partmann, Johan, New York, N. Y. Lock for hand-bags. No. 1,072,981; Sept. 9; Gaz. vol. 194; p. 484.
- Partridge, Arthur M., Springfield, Mass. Puzzle or game. No. 1,060,488; Apr. 29; Gaz. vol. 189; p. 1220.
- Partridge, Charles E., Keene, N. H., assignor of one-third to J. J. Waltz, Easthampton, Mass. Hub attachment. No. 1,075,849; Oct. 14; Gaz. vol. 195; p. 461.
- Partridge, Edward B. (See Loudon, Cornelius, assignor.)
- Partridge, Edward O., Chicago, Ill. Grinding-machine. No. 1,078,551; Nov. 11; Gaz. vol. 196; p. 481.
- Partridge, Welles M., Marblehead, Mass. Water-heating apparatus. No. 1,049,388; Jan. 7; Gaz. vol. 186; p. 24.
- Partridge, Welles M., Marblehead, Mass. Water-heating apparatus. No. 1,049,524; Jan. 7; Gaz. vol. 186; p. 69.
- Pascale, Anthony P., and R. Daee, Pittsburgh, Pa. Cot. No. 1,080,577; Dec. 9; Gaz. vol. 197; p. 260.
- Paschall, Benjamin S., Seattle, Wash. Substance for treatment of tuberculosis and making said substance. No. 1,078,873; Nov. 18; Gaz. vol. 196; p. 626.
- Paschen, Max, Köthen, Germany. Apparatus for leaching sacchariferous vegetables. No. 1,077,296; Nov. 4; Gaz. vol. 196; p. 18.
- Paschke, Frederick, assignor to Safety Celluloid Company, Limited, London, England. Manufacture of cellulose acetate. No. 1,082,167; Dec. 23; Gaz. vol. 197; p. 861.
- Pascoe, George J. (See Bippus, Kempthorn, and Pascoe.)
- Pascoe, William C., Aberdeen, Wash. Street-sweeping and loading device. No. 1,054,603; Feb. 25; Gaz. vol. 187; p. 1055.
- Pascoe, William F., Jr., assignor to The Cooper Heater Company, Carlisle, Pa. Heater. No. 1,074,194; Sept. 30; Gaz. vol. 194; p. 988.
- Pascoe, William F., Jr., assignor to The Cooper Heater Company, Carlisle, Pa. Heater. No. 1,074,195; Sept. 30; Gaz. vol. 194; p. 988.
- Pasman, Abram N., Jersey City, N. J. Flush-valve. No. 1,074,379; Sept. 30; Gaz. vol. 194; p. 1049.
- Pasman, Abram N., Jersey City, N. J. Flush-valve. No. 1,077,745; Nov. 4; Gaz. vol. 196; p. 172.
- Pasmore, Charles J., assignor of one-half to J. E. Pasmore, Winnipeg, Manitoba, Canada. Extension-table. No. 1,069,645; Aug. 5; Gaz. vol. 193; p. 191.
- Pasmore, Jessie E. (See Pasmore, Charles J., assignor.)
- Pasquier, Charles, New York, N. Y. Collier. No. 1,059,201; Apr. 15; Gaz. vol. 189; p. 705.
- Pass, Arthur, Letchworth, England. Bird-scaring device. No. 1,066,045; July 1; Gaz. vol. 192; p. 50.
- Pass & Seymour. (See Crossley, James S., assignor.)
- Pass & Seymour. (See Lux, Julius K., assignor.)
- Pass & Seymour. (See Morey, Harry J., assignor.)
- Pass & Seymour. (See Rand, Nathaniel D., assignor.)
- Passaic Metal Ware Company. (See England, Isaac W., assignor.)
- Passaic Metal Ware Company. (See Karp, Morris, assignor.)
- Passarella, William, Milnesville, Pa. Sled-runner attachment for vehicles. No. 1,065,832; June 24; Gaz. vol. 191; p. 1008.
- Passow, Hermann, Hamburg, Germany, assignor, by mesne assignments, to The Atlas Portland Cement Company, New York, N. Y. Apparatus for producing cement. No. 1,051,627; Jan. 28; Gaz. vol. 186; p. 889.
- Passow, Hermann, Blankanese, Germany, assignor, by mesne assignments, to The Atlas Portland Cement Company, New York, N. Y. Apparatus for producing cement. No. 1,051,844; Jan. 28; Gaz. vol. 186; p. 960.
- Passow & Sons. (See Lobstein, John G., Jr., assignor.)
- Pataky, Alexander. (See Horvath, Geza, assignor.)
- Patch, Alexander M. (See Hill and Patch.)
- Patchel, Thomas T. (See Jones and Patchel.)
- Patchett, Charles, and R. P. Morrison, Vancouver, British Columbia, Canada. Shingle-marking machine. No. 1,066,314; July 1; Gaz. vol. 192; p. 147.
- Pate, D. B. (See Schafer and Cook, assignors.)
- Pate, David B., and C. C. Self, Hornbeck, La. Oil-burning device. No. 1,070,722; Aug. 19; Gaz. vol. 193; p. 631.
- Pate, David B., and J. L. Spears, Hornbeck, La. Combined convertible vehicle pole and shafts. No. 1,075,721; Oct. 14; Gaz. vol. 195; p. 417.
- Pate, Henry D., Abbott, Tex. Guano-distributor. No. 1,056,577; Mar. 18; Gaz. vol. 188; p. 721.
- Pate, John L., Madisonville, Ky. Broom. No. 1,051,819; Jan. 28; Gaz. vol. 186; p. 951.
- Patek, Charles H. (See Brown and Patek.)

Alphabetical list of patentees—Continued.

- Patenall, Thomas H., Hollis, N. Y., assignor to The Union Switch & Signal Company, Swissvale, Pa. Railway signaling system. No. 1,060,117; Apr. 29; Gaz. vol. 189; p. 1088.
- Patenall, Thomas H., Hollis, N. Y., and H. S. Young, Jersey City, N. J., assignors to The Union Switch & Signal Company, Swissvale, Pa. Railway signaling system. No. 1,060,118; Apr. 29; Gaz. vol. 189; p. 1089.
- Patent Appliance Company, The. (See Ogden, Fredric D., assignor.)
- Patent-Bestek-Werke, G. M. B. H. (See Wassmund and Müller, assignors.)
- Patent Button Company, The. (See White, Franklin R., assignor.)
- Patent & Implement Co. (See Luke and Allen, assignors.)
- Patent Rapid Scaffold Tie Company, Limited. (See Jones, Daniel P., assignor.)
- Pater, Carl J., Hartwell, assignor to The Philip Carey Manufacturing Company, Lockland, Ohio. Fire and water proof composition. No. 1,067,542; July 15; Gaz. vol. 192; p. 631.
- Paterson, Charles D., Worcester, Mass. Wall-support for letter-files. No. 1,053,862; Feb. 18; Gaz. vol. 187; p. 765.
- Paterson, Charles D., Worcester, Mass. Combination brush and comb holder. No. 1,055,488; Mar. 11; Gaz. vol. 188; p. 317.
- Paterson, Charles D., Worcester, Mass. Damper-operating device. No. 1,078,747; Nov. 18; Gaz. vol. 196; p. 581.
- Pathe, James A. (See Butterfield, Raafaub, and Pathe.)
- Patitz, Johann F. M., assignor to Allis-Chalmers Company, Milwaukee, Wis. Gas-pressor. No. 1,061,006; May 6; Gaz. vol. 190; p. 155.
- Patnaude, William E., assignor of one-half to W. C. Coleston, Haverhill, Mass. Water-cooler faucet. No. 1,078,213; Nov. 11; Gaz. vol. 196; p. 365.
- Patnaude, William E., assignor of one-half to W. C. Coleston, Haverhill, Mass. Water-cooler. No. 1,078,214; Nov. 11; Gaz. vol. 196; p. 366.
- Patnode, Samuel W., Ellensburg Center, N. Y. Holdback-equalizer. No. 1,052,618; Feb. 11; Gaz. vol. 187; p. 297.
- Patria-Papier-Gesellschaft m. b. H. (See Traub, Aladar, assignor.)
- Patrick, Hubert H., Handsworth, Birmingham, assignor to The Oxygen Welding Works, Limited, Birmingham, England. Making hollow pistons. No. 1,061,922; May 13; Gaz. vol. 190; p. 497.
- Patrick, Hubert H., assignor to The Oxygen Welding Works, Limited, Birmingham, England. Piston-ring. No. 1,083,130; Dec. 30; Gaz. vol. 197; p. 1226.
- Patrick, James H., Pony, assignor of one-fourth to J. O. Jordan, Renova, one-fourth to R. G. Hixson, and one-fourth to C. M. Covert, Piedmont, Mont. Stop for ditches. No. 1,077,996; Nov. 11; Gaz. vol. 196; p. 290.
- Patrick, Joseph S. (See Patrick, Uriah B. and J. S.)
- Patrick, Uriah B. and J. S., Oklahoma, Okla. Crude-oil burner. No. 1,073,283; Sept. 16; Gaz. vol. 194; p. 625.
- Patten, Charles H., assignor to Charles E. Hancock Company, Providence, R. I. Cigar-cutter. No. 1,058,999; Apr. 15; Gaz. vol. 189; p. 635.
- Patten, Clarence R., Tacoma, Ohio. Baby-jumper. No. 1,057,360; Mar. 25; Gaz. vol. 188; p. 1016.
- Patten, Elmer E., assignor to St. Louis Cash Register Company, St. Louis, Mo. Cash-register. No. 1,079,360; Nov. 25; Gaz. vol. 196; p. 822.
- Patten, Elmer E., assignor to St. Louis Cash Register Company, St. Louis, Mo. Cash-register. No. 1,080,162; Dec. 2; Gaz. vol. 197; p. 85.
- Patterson, Alice C. (See Patterson, George L., assignor.)
- Patterson-Allen Engineering Company. (See Patterson, Franklin M., assignor.)
- Patterson, Charles F., Orange, N. J. Sprinkler supervisory system. No. 1,063,058; May 27; Gaz. vol. 190; p. 959.
- Patterson, Charles H., Trinidad, Colo. Colt or calf weaner. No. 1,061,113; May 6; Gaz. vol. 190; p. 190.
- Patterson, Chester J., Philadelphia, Pa. Hay-loader. No. 1,075,935; Oct. 14; Gaz. vol. 195; p. 490.
- Patterson, Clarence G., Berkeley, Cal., assignor to The Butters Patent Vacuum Filter Company, Inc. Vacuum and water connections. No. 1,078,552; Nov. 11; Gaz. vol. 196; p. 482.
- Patterson, Frank L., New York, N. Y. Hot-water tank. No. 1,071,570; Aug. 26; Gaz. vol. 193; p. 946.
- Patterson, Franklin M., Bayonne, N. J., assignor to Patterson-Allen Engineering Company. Pipe-flanging machine. No. 1,054,865; Mar. 4; Gaz. vol. 188; p. 73.
- Patterson, Franklin M., Bayonne, N. J., assignor to Patterson-Allen Engineering Company. Die for pipe-flanging machines. No. 1,057,664; Apr. 1; Gaz. vol. 189; p. 92.
- Patterson, George, Manchester, N. H., assignor to Draper Company, Hopedale, Mass. Warp-stop-motion attachment. No. 1,078,215; Nov. 11; Gaz. vol. 196; p. 366.
- Patterson, George L., assignor to A. C. Patterson, New York, N. Y. Multiple-service-battery cabinet. No. 1,064,370; June 10; Gaz. vol. 191; p. 444.
- Patterson, Henry C., Jr., Youngsville, N. Y. Display-box. No. 1,056,826; Mar. 25; Gaz. vol. 188; p. 834.
- Patterson, James W., Bronxville, assignor to Auto-Sales Gum and Chocolate Company, New York, N. Y. Vending-machine. No. 1,078,372; Nov. 11; Gaz. vol. 196; p. 422.
- Patterson, John G., Darlington, England. Electric safety-lamp. No. 1,070,522; Aug. 19; Gaz. vol. 193; p. 564.
- Patterson, John J., Los Angeles, Cal. Protector for trees. No. 1,082,439; Dec. 23; Gaz. vol. 197; p. 957.
- Patterson, Oliver W., Chicopee Falls, Mass. Mud-guard for automobiles. No. 1,052,511; Feb. 11; Gaz. vol. 187; p. 261.
- Patterson, Randall M., Waco, Tex. Refrigerator drip-pan. No. 1,063,724; June 3; Gaz. vol. 191; p. 193.
- Patterson, Rufus L., *et al.* (See Tyberg, Oluf, assignor.)
- Patterson, Thomas S., Rosemont, Pa. Abdominal supporter. No. 1,068,268; July 22; Gaz. vol. 192; p. 911.
- Patterson, Thomas S., Rosemont, Pa., assignor to The Ingle Machine Company, Rochester, N. Y. Power unit. No. 1,052,269; Feb. 4; Gaz. vol. 187; p. 147.
- Patterson, Warren A., Dallas, Tex., assignor to Cotton Harvester Company, St. Louis, Mo. Cotton-cleaner. No. 1,067,370; July 15; Gaz. vol. 192; p. 572.
- Patterson, William, and F. N. Percival, Chicago, Ill. Carbureter. No. 1,076,309; Oct. 21; Gaz. vol. 195; p. 646.
- Patterson, William L. (See Baush, Hommel, Patterson, and Sailer.)
- Patterson, William R., Pittsburgh, Pa. Tie and rail-faster. No. 1,057,264; Mar. 25; Gaz. vol. 188; p. 986.
- Patteson, A. D. (See Triplett, James, assignor.)
- Pattison, Clarence A., and L. E. Roby, Peoria, Ill. Grain-drill. No. 1,054,235; Feb. 25; Gaz. vol. 187; p. 931.
- Pattison, James W. H., Glasgow, Scotland. Cigarette-case. No. 1,074,573; Sept. 30; Gaz. vol. 194; p. 1111.
- Pattison, Orville E., Winamac, Ind. Motor-plow. No. 1,082,440; Dec. 23; Gaz. vol. 197; p. 957.
- Pattison, Thomas, Sunnyvale, Cal. Chimney, ventilator, and the like. No. 1,071,951; Sept. 2; Gaz. vol. 194; p. 96.
- Patton, Charles A., Villa Ridge, Mo. Milk-can filler. No. 1,081,982; Dec. 23; Gaz. vol. 197; p. 799.
- Patton, Herbert F., Cleveland, Ohio. Projecting apparatus. No. 1,075,789; Oct. 14; Gaz. vol. 195; p. 439.
- Patton, John J., New York, N. Y. Tire. No. 1,080,295; Dec. 2; Gaz. vol. 197; p. 132.
- Patton, Ralph C., assignor to D & W Fuse Company, Providence, R. I. Magnetic chuck. No. 1,081,462; Dec. 16; Gaz. vol. 197; p. 598.
- Patton, Ralph C., assignor to D & W Fuse Company, Providence, R. I. Water-tight joint for magnetic circuits. No. 1,082,134; Dec. 23; Gaz. vol. 197; p. 851.
- Patton, Thomas R., *et al.* (See Weeks and Hunter, assignors.)
- Patzman, Frederick F., Kansas City, Mo. Resilient wheel. No. 1,082,900; Dec. 30; Gaz. vol. 197; p. 1150.
- Paugh, Benjamin H., assignor of one-half to W. T. Robinson, Parsons, W. Va. Double-acting ratchet mechanism. No. 1,049,389; Jan. 7; Gaz. vol. 186; p. 24.
- Pauk, Henry E. (See Heckel, Kachel, Goessling, and Pauk.)
- Paul, Amasa C. (See Willford, Joseph L., assignor.)
- Paul, Anton, assignor of one-half to A. Beck, Budapest, Austria-Hungary. Nut-shelling machine. No. 1,073,165; Sept. 16; Gaz. vol. 194; p. 582.
- Paul, Charles A., *et al.* (See Lancaster, Corbon H. E., assignor.)
- Paul, Christian F., Peekskill, N. Y. Electrical snap-switch. No. 1,082,093; Dec. 23; Gaz. vol. 197; p. 838.
- Paul, Frederick, Hastings-upon-Hudson, and C. C. Mitchell, Millbrook, N. Y. Device for removing stuck drills. No. 1,055,790; Mar. 11; Gaz. vol. 188; p. 418.
- Paul, George F., New York, N. Y. Safety-razor. No. 1,049,909; Jan. 7; Gaz. vol. 186; p. 200.
- Paul, John T. H., assignor to E. Goldman & Co., Inc., Chicago, Ill. Bottle-washing machine. No. 1,077,636; Nov. 4; Gaz. vol. 196; p. 136.
- Paul, William L., assignor to Oliver Chilled Plow Works, South Bend, Ind. Plow. No. 1,053,863; Feb. 18; Gaz. vol. 187; p. 765.
- Paul, William L., assignor to Oliver Chilled Plow Works, South Bend, Ind. Gang-plow. No. 1,054,139; Feb. 25; Gaz. vol. 187; p. 897.
- Paul, William L., assignor to Oliver Chilled Plow Works, South Bend, Ind. Cultivator. No. 1,059,202; Apr. 15; Gaz. vol. 189; p. 705.
- Paul, William L., assignor to Oliver Chilled Plow Works, South Bend, Ind. Engine gang-plow. No. 1,073,361; Sept. 16; Gaz. vol. 194; p. 653.
- Paul, William M., Galveston, Tex. Water-gage-glass column. No. 1,082,441; Dec. 23; Gaz. vol. 197; p. 957.
- Paulal, Carl, assignor to Jacob Lohner & Co., Vienna, Austria-Hungary. Chassis for aeroplanes. No. 1,058,256; Apr. 8; Gaz. vol. 189; p. 340.
- Paulin, Josua G., Landskrona, Sweden. Electrolyzing streaming electrolytes. No. 1,056,118; Mar. 18; Gaz. vol. 188; p. 563.
- Pauling, Harry, assignor to Salpetersäure-Industrie Gesellschaft, G. m. b. H., Gelsenkirchen, Germany. Absorbing dilute nitrous gases. No. 1,061,630; May 13; Gaz. vol. 190; p. 403.

Alphabetical list of patentees—Continued.

- Pauling, Harry, Cologne, Germany, assignor to Southern Electro-Chemical Company, New York, N. Y. High concentration of watery nitric acid. No. 1,074,287; Sept. 30; Gaz. vol. 194; p. 1018.
- Pauling, Harry, Cologne, Germany, assignor, by mesne assignments, to Southern Electro-Chemical Company. Apparatus for comminuting calcareous saltpeter, potassium or magnesium chlorid, and the like. No. 1,075,722; Oct. 14; Gaz. vol. 195; p. 417.
- Paulsen, Knute, Manistique, Mich. Fish-net-lifting machine. No. 1,054,025; Feb. 25; Gaz. vol. 187; p. 858.
- Paulsen, Paul R., Astoria, Oreg. Safety-hook. No. 1,059,686; Apr. 22; Gaz. vol. 189; p. 905.
- Paulsmeier, Albert C., Alameda, assignor to Byron Jackson Iron Works, West Berkeley, Cal. Automatic end-thrust counterbalance. No. 1,057,007; Mar. 18; Gaz. vol. 188; p. 897.
- Paulsmeier, Albert C., Alameda, assignor to Byron Jackson Iron Works, West Berkeley, Cal. Automatic-balance double-suction pump. No. 1,068,072; July 22; Gaz. vol. 192; p. 843.
- Paulson, Albert O., Los Angeles, Cal. Stabilizer for airships. No. 1,063,137; May 27; Gaz. vol. 190; p. 985.
- Paulson, Charles J., New York, N. Y., assignor, by mesne assignments, to Sterling Typewriter Company. Ribbon attachment for type-writers. No. 1,050,997; Jan. 21; Gaz. vol. 186; p. 643.
- Paulson, Erland, Knife River, N. D. Shock-carrier. No. 1,057,768; Apr. 1; Gaz. vol. 189; p. 127.
- Paulson, Junius. (See Pallesen and Paulson.)
- Paulson, Norman B. (See Sauber and Paulson.)
- Paulson, Peter, *et al.* (See Morgen, Henry, assignor.)
- Paulsson, Arvid P., Delsbo, Sweden. Manufacturing sinking-weights for fishing-tackle. No. 1,050,748; Jan. 14; Gaz. vol. 186; p. 519.
- Pauly, Anton J., Stockerau, Austria-Hungary. Potato-planting machine. No. 1,061,490; May 13; Gaz. vol. 190; p. 353.
- Pauly, Karl A., Schenectady, N. Y., assignor to General Electric Company. Induction-motor. No. 1,067,270; July 15; Gaz. vol. 192; p. 538.
- Pauly, Karl A., Schenectady, N. Y., assignor to General Electric Company. Induction-motor. (Reissue.) No. 13,638; Nov. 4; Gaz. vol. 196; p. 250.
- Paumier, Emil, *et al.* (See Miller, Benjamin D., assignor.)
- Pavelka, Joseph, St. Louis, Mo. Grinding-machine. No. 1,078,949; Nov. 18; Gaz. vol. 196; p. 650.
- Pavlik, William, Bayport, N. Y. Lifting-jack. No. 1,054,604; Feb. 25; Gaz. vol. 187; p. 1055.
- Paxton, Alfred G., Dublin, Ind. Grain and seed separator. No. 1,054,605; Feb. 25; Gaz. vol. 187; p. 1055.
- Paxton, John B., *et al.* (See Paxton, Joseph T., assignor.)
- Paxton, John B., *et al.* (See Santmyers, Charles A., assignor.)
- Paxton, John B., and E. I. O'Neill, Philadelphia, Pa.; said O'Neill assignor to said Paxton. Circular-knitting machine. No. 1,068,527; July 29; Gaz. vol. 192; p. 1038.
- Paxton, John B., Jr., Philadelphia, Pa. Car-fender. No. 1,082,235; Dec. 23; Gaz. vol. 197; p. 886.
- Paxton, Joseph T., assignor to J. B. Paxton and E. I. O'Neill, Philadelphia, Pa. Circular-knitting machine. No. 1,068,603; July 29; Gaz. vol. 192; p. 1064.
- Pay-As-You-Enter-Car Corporation, The. (See McDonald, Duncan A. L., assignor.)
- Pay, Charles, Providence, R. I. Lifting device for dumping-wagons. No. 1,050,998; Jan. 21; Gaz. vol. 186; p. 643.
- Payette, James I. (See Gregson and Payette.)
- Payne, Charles W. (See Steckert and O'Brien, assignors.)
- Payne, Charles W. (See Wade, Edwin T., assignor.)
- Payne, Clarence Q., New York, N. Y. Pneumatic concentrating-table. No. 1,068,162; July 22; Gaz. vol. 192; p. 874.
- Payne, Clarence Q., New York, N. Y. Pneumatic concentrating-table. No. 1,068,163; July 22; Gaz. vol. 192; p. 874.
- Payne, Frank E., Camas, Wash. Prune dipper and trayer. No. 1,057,875; Apr. 1; Gaz. vol. 189; p. 165.
- Payne, Fredick W. (See Flynn and Payne.)
- Payne, George, and W. J. Galbraith, Orillia, Ontario, Canada. Operating adjustable table. No. 1,082,043; Dec. 23; Gaz. vol. 197; p. 821.
- Payne, George R., and S. Moore, assignors to Texarkana Pipe Company, Texarkana, Tex. Septic tank. No. 1,058,458; Apr. 8; Gaz. vol. 189; p. 410.
- Payne, Henry C., Zion City, Ill., assignor of one-half to G. W. Kramm, Augusta, Mont. Combined lemon-juice extractor and egg-separator. No. 1,054,606; Feb. 25; Gaz. vol. 187; p. 1056.
- Payne, James H., Yorktown, Va., assignor to F. E. Gignoux, Cape Elizabeth, Me. Making alkali-chromate solutions. No. 1,081,625; Dec. 16; Gaz. vol. 197; p. 650.
- Payne, James I., Cincinnati, Ohio. Refrigerator. No. 1,052,375; Feb. 4; Gaz. vol. 187; p. 181.
- Payne, Jesse L., Salinas, Cal. Exterminator. No. 1,052,376; Feb. 4; Gaz. vol. 187; p. 181.
- Payne, Jesse M., Summerville, Ala., assignor to Perfection Dyeing Machine Co., Columbus, Ga. Dyeing-machine. No. 1,067,132; July 8; Gaz. vol. 192; p. 453.
- Payne, Jesse M., Lee county, and G. G. Wallace, Russell county, Ala., assignors to Perfection Dyeing Machine Company, Columbus, Ga. Dyeing apparatus. No. 1,053,063; Feb. 11; Gaz. vol. 187; p. 448.
- Payne, Jesse M., Phoenix, and G. G. Wallace, Girard, Ala., assignors to Perfection Dyeing Machine Company, Columbus, Ga. Dyeing-machine. No. 1,057,265; Mar. 25; Gaz. vol. 188; p. 986.
- Payne, John T. (See Payne, William R. and J. T.)
- Payne, Stowell L. (See Jacobs and Payne.)
- Payne, Theodore P., Newark, N. J. Metal-working machine. No. 1,075,491; Oct. 14; Gaz. vol. 195; p. 339.
- Payne, Theodore P., Newark, N. J. Metal-working machine. No. 1,075,492; Oct. 14; Gaz. vol. 195; p. 339.
- Payne, Thomas E., Pittsburgh, Pa. Frost-proof water-closet valve. No. 1,062,412; May 20; Gaz. vol. 190; p. 705.
- Payne, Thomas F., Pittsburgh, Pa. Water-closet. No. 1,062,413; May 20; Gaz. vol. 190; p. 706.
- Payne, Thomas F., Pittsburgh, Pa. Valve. No. 1,070,624; Aug. 19; Gaz. vol. 193; p. 599.
- Payne, Thomas F., Pittsburgh, Pa. Flushing apparatus. No. 1,070,723; Aug. 19; Gaz. vol. 193; p. 631.
- Payne, Walter B., and H. H. Simms, Rochester, assignors to L. F. Adt, Albany, N. Y. Eyeglass-mounting. No. 1,069,284; Aug. 5; Gaz. vol. 193; p. 68.
- Payne, William E., Owosso, Mich. Tube-clamp. No. 1,055,552; Mar. 11; Gaz. vol. 188; p. 337.
- Payne, William R. and J. T., assignors of one-fourth to J. P. Baker, one-half to V. P. Spradlin, and one-fourth to W. T. Drummond, Scarbro, W. Va. Track-gage. No. 1,059,388; Apr. 22; Gaz. vol. 189; p. 804.
- Paynter, William D., Grass Valley, Cal. Rock-drill tester. No. 1,062,662; May 27; Gaz. vol. 190; p. 829.
- Paysen, Andrew A., Clinton, Iowa. Gas-engine. No. 1,081,252; Dec. 9; Gaz. vol. 197; p. 489.
- Payson Manufacturing Company, The. (See Harris, Elijah P., assignor.)
- Payson Manufacturing Company, The. (See O'Rourke, William F., assignor.)
- Payson Manufacturing Company, The. (See Whitehead, John, assignor.)
- Peacock, Edward L., assignor to The Lake Torpedo Boat Company, Bridgeport, Conn. Submarine or submersible torpedo-boat. No. 1,067,371; July 15; Gaz. vol. 192; p. 572.
- Peacock, Edward M., Jersey City, N. J., assignor to Dairy-men's Manufacturing Company. Can-cover. No. 1,064,532; June 10; Gaz. vol. 191; p. 501.
- Peacock, Gordon M. (See Griffin and Peacock.)
- Peacock, James, Hamilton, Ontario, Canada. Gardentool. No. 1,050,685; Jan. 14; Gaz. vol. 186; p. 498.
- Peacock, Robert H., Winterhaven, Fla. Fruit-grading apparatus. No. 1,076,642; Oct. 21; Gaz. vol. 195; p. 766.
- Peacock, Samuel, Chicago, Ill., assignor to The Southern Electro-Chemical Company, New York, N. Y. Manufacturing nitrate of lime and dicalcium phosphate in a single operation. No. 1,057,876; Apr. 1; Gaz. vol. 189; p. 165.
- Peale, Walter O., Pittsburgh, Pa., assignor to Westinghouse Electric and Manufacturing Company. Electric heater. No. 1,075,436; Oct. 14; Gaz. vol. 195; p. 320.
- Pealer, James C., Marion, Ind., assignor of one-half to J. W. Kelley. Internal-combustion engine. No. 1,061,923; May 13; Gaz. vol. 190; p. 497.
- Pearce, Freeman, Niagara Falls, Ontario, Canada. Comb. No. 1,074,893; Oct. 7; Gaz. vol. 195; p. 103.
- Pearce, Herbert, and J. E. Billington, Broadheath, assignors to Linotype and Machinery Limited, London, England. Typographical composing and casting machine. No. 1,067,543; July 15; Gaz. vol. 192; p. 631.
- Pearce, Herbert, T. R. G. Parker, and F. W. Wright, Broadheath, assignors to Linotype and Machinery Limited, London, England. Means for tripping the inking-rollers of printing-presses. No. 1,060,624; May 6; Gaz. vol. 190; p. 21.
- Pearce, Hubert, Wanstead, and W. Barratt, Muswell Hill, assignors to Consol Automatic Aerators Limited, London, England. Apparatus for aerating liquids. No. 1,050,999; Jan. 21; Gaz. vol. 186; p. 644.
- Pearce, James S., Portsmouth, Ohio. Axle-truing machine. No. 1,054,607; Feb. 25; Gaz. vol. 187; p. 1056.
- Pearce, John H., Westmount, Quebec, Canada. Article of footwear. No. 1,067,754; July 15; Gaz. vol. 192; p. 702.
- Peard, Oliver L. (See Harrison and Peard.)
- Peare, George R. (See Stephenson and Peare.)
- Peare, Sarah S., administratrix. (See Stephenson and Peare.)
- Pearl, Eugene. (See Boswell and Pearl.)
- Pearl, Frank A., Madison, Wis. Resilient vehicle-wheel. No. 1,081,551; Dec. 16; Gaz. vol. 197; p. 628.
- Pearl, Max, New York, N. Y. Culinary vessel. No. 1,055,072; Mar. 4; Gaz. vol. 188; p. 143.
- Pearl, Max, and C. F. Reinmann, New York, N. Y.; said Reinmann assignor to said Pearl. Cover for culinary vessels. No. 1,055,073; Mar. 4; Gaz. vol. 188; p. 144.

Alphabetical list of patentees—Continued.

- Pearlman, Solomon. (See Armstrong, Thomas H., assignor.)
- Pearsall, Albert W., Lowell, Mass., assignor to Lamson Company, Newark, N. J. Pneumatic-despatch-tube apparatus. No. 1,057,266; Mar. 25; Gaz. vol. 188; p. 987.
- Pearsall, Albert W., Lowell, Mass., assignor to Lamson Company, Newark, N. J. Automatic carrier separator and despatcher for pneumatic-despatch-tube apparatus. No. 1,065,548; June 24; Gaz. vol. 191; p. 912.
- Pearsall, Albert W., Lowell, assignor to The Lamson Company (formerly Lamson Consolidated Store Service Company), Boston, Mass. Pneumatic-despatch-tube apparatus. No. 1,073,867; Sept. 23; Gaz. vol. 194; p. 848.
- Pearsall, Albert W., Lowell, Mass., assignor to The Lamson Company, Newark, N. J. Pneumatic-despatch-tube apparatus. No. 1,075,790; Oct. 14; Gaz. vol. 195; p. 440.
- Pearson, Charles O., New York, N. Y. Power-transmission system. No. 1,055,553; Mar. 11; Gaz. vol. 188; p. 337.
- Pearson, Charles O., New York, N. Y. Power-transmission system. No. 1,055,554; Mar. 11; Gaz. vol. 188; p. 338.
- Pearson, Charles O., New York, N. Y. Electric controller for explosive-engines and associated mechanisms. No. 1,064,765; June 17; Gaz. vol. 191; p. 616.
- Pearson, Edward J., Austin, Ark. Fertilizer-distributer. No. 1,079,509; Nov. 25; Gaz. vol. 196; p. 874.
- Pearson, Henry, Springfield, Mass. Railway-car. No. 1,078,373; Nov. 11; Gaz. vol. 196; p. 422.
- Pearson, James. (See Jones, Edwin C., assignor.)
- Pearson, John, Somerset, Wis., assignor of one-third to J. F. Williamson and one-sixth to F. D. Merchant, Minneapolis, Minn. Line-drop compensator. No. 1,050,081; Jan. 7; Gaz. vol. 186; p. 259.
- Pearson, John, Somerset, Wis., assignor of one-third to J. F. Williamson and one-sixth to F. D. Merchant, Minneapolis, Minn. Line-drop compensation. No. 1,050,982; Jan. 7; Gaz. vol. 186; p. 260.
- Pearson, John C., Natchitoches, La. Spring-hub for vehicle-wheels. No. 1,051,628; Jan. 28; Gaz. vol. 186; p. 889.
- Pearson, Marshall H., and A. E. Jerram, Leicester, England, assignors to United Shoe Machinery Company, Paterson, N. J. Mechanism for assorting eyelets or similar articles. No. 1,049,525; Jan. 7; Gaz. vol. 186; p. 69.
- Pearson, Martin, Los Angeles, Cal. Apparatus for aerial navigation. No. 1,074,288; Sept. 30; Gaz. vol. 194; p. 1019.
- Pearson, Martin, Los Angeles, Cal. Propelling and sustaining means for aerial navigation. No. 1,082,481; Dec. 23; Gaz. vol. 197; p. 968.
- Pearson, Millard M., Schenectady, N. Y., assignor to General Electric Company. Governing mechanism for elastic-fluid turbines. No. 1,054,935; Mar. 4; Gaz. vol. 188; p. 95.
- Pearson, Morris A., assignor to The Turner Vaughn & Taylor Company, Cuyahoga Falls, Ohio. Adjusting means for pressure-rolls. No. 1,079,876; Nov. 25; Gaz. vol. 196; p. 1003.
- Pearson, Nels, Ogema, Wis. Tongs. No. 1,070,286; Aug. 12; Gaz. vol. 193; p. 441.
- Pearson, Robert B., Duluth, Minn. Bin-door. No. 1,057,769; Apr. 1; Gaz. vol. 189; p. 127.
- Pearson, Sylvester G. (See Laufenburg and Pearson.)
- Pearson, Thomas, Syracuse, N. Y. Pipe-vise. No. 1,068,924; July 29; Gaz. vol. 192; p. 1179.
- Pearson, Thomas S., and T. M. Conner, Kokomo, assignors of one-third to J. B. Dougan, Richmond, Ind. Automatic baling-machine. No. 1,075,376; Oct. 14; Gaz. vol. 195; p. 299.
- Pearson, Walter B., Chicago, Ill. Metal-working machine. No. 1,060,019; Apr. 29; Gaz. vol. 189; p. 1090.
- Pearson, William, Hot Springs, Ark. Combination-tool. No. 1,074,380; Sept. 30; Gaz. vol. 194; p. 1050.
- Pearson, William E., Boston, Mass. Rotary pump. No. 1,072,155; Sept. 2; Gaz. vol. 194; p. 167.
- Pease, Charles F., assignor to The C. F. Pease Company, Chicago, Ill. Blue-print machine. No. 1,054,140; Feb. 25; Gaz. vol. 187; p. 897.
- Pease, Charles F., assignor to The C. F. Pease Company, Chicago, Ill. Combined printing, washing, and drying machine. No. 1,067,372; July 15; Gaz. vol. 192; p. 573.
- Pease, Charles H. (See Richards, Sierra L., assignor.)
- Pease, Durell O., Hampden, Mass. Building-motion for spinning-machines. No. 1,054,236; Feb. 25; Gaz. vol. 187; p. 931.
- Pease, Frederick N., and M. E. McDonnell, Altoona, Pa. Detergent for cleaning and polishing purposes. No. 1,052,952; Feb. 11; Gaz. vol. 187; p. 412.
- Pease, John W., Rochester, N. Y. Fruit-handling machine. No. 1,071,333; Aug. 26; Gaz. vol. 193; p. 868.
- Pease, John W., Rochester, N. Y. Fruit-handling machine. No. 1,071,334; Aug. 26; Gaz. vol. 193; p. 868.
- Pease, Loomis F., New York, N. Y. Smoothing device for starched linen. No. 1,082,094; Dec. 23; Gaz. vol. 197; p. 839.
- Pease, Orville E., Rockville Center, N. Y., assignor to F. J. Kloes. Awning-support. No. 1,055,351; Mar. 11; Gaz. vol. 188; p. 271.
- Pease, William A., assignor to The E. M. Hulse Company, Columbus, Ohio. Sofa or davenport bed. No. 1,057,665; Apr. 1; Gaz. vol. 189; p. 92.
- Pease, William A., assignor to The E. M. Hulse Company, Columbus, Ohio. Sofa or davenport bed. No. 1,061,777; May 13; Gaz. vol. 190; p. 451.
- Pease, William A., assignor to The E. M. Hulse Company, Columbus, Ohio. Sofa or davenport bed. (Reissue.) No. 13,612; Sept. 2; Gaz. vol. 194; p. 254.
- Pease, William E., Cleveland, Ohio. Building-block. No. 1,055,074; Mar. 4; Gaz. vol. 188; p. 144.
- Pech, William J., Algona, Iowa. Friction-clutch. No. 1,071,083; Aug. 26; Gaz. vol. 193; p. 785.
- Peck, Anna L., Minneapolis, Minn. Foldable blank box. No. 1,049,910; Jan. 7; Gaz. vol. 186; p. 201.
- Peck, Anna L., Minneapolis, Minn. Foldable box. No. 1,072,643; Sept. 9; Gaz. vol. 194; p. 361.
- Peck, Archibald H., and E. J. Shipman, assignors to Sargent & Company, New Haven, Conn. Padlock. No. 1,051,442; Jan. 28; Gaz. vol. 186; p. 826.
- Peck Bros. & Co., The. (See Newton, William G., assignor.)
- Peck, Cald H., Athens, Pa., assignor to Ingersoll-Rand Company, New York, N. Y. Fluid-pressure-operated tool. No. 1,079,662; Nov. 25; Gaz. vol. 196; p. 927.
- Peck, Frank, assignor to The Hobart M. Cable Company, Laporte, Ind. Piano-action. No. 1,079,435; Nov. 25; Gaz. vol. 196; p. 848.
- Peck, Frank H., Jamesville, N. Y. Sampler. No. 1,072,644; Sept. 9; Gaz. vol. 194; p. 361.
- Peck, Fred R., assignor to Peck-Hamre Mfg. Co., Berlin, Wis. Package-holder for mail-boxes. No. 1,071,082; Aug. 26; Gaz. vol. 193; p. 784.
- Peck, George H., Fort Dodge, Iowa. Automatic barn-door latch. No. 1,049,390; Jan. 7; Gaz. vol. 186; p. 25.
- Peck-Hamre Mfg. Co. (See Peck, Fred R., assignor.)
- Peck, Isaac M., assignor of one-half to J. A. Funk, Tiffin, Ohio. Rail-joint. No. 1,065,623; June 24; Gaz. vol. 191; p. 938.
- Peck, Isaac M., assignor of one-half to R. H. May, Tiffin, Ohio. Nut-lock. No. 1,074,196; Sept. 30; Gaz. vol. 194; p. 988.
- Peck, Jacob G., assignor to H. O. Peck Automobile Wheel Co., Portland, Oreg. Resilient wheel. No. 1,069,807; Aug. 12; Gaz. vol. 193; p. 277.
- Peck, John E., Logan, W. Va. Trolley-pole and brake control. No. 1,072,252; Sept. 2; Gaz. vol. 194; p. 197.
- Peck, John E., Logan, W. Va. Hose-mending device. No. 1,072,253; Sept. 2; Gaz. vol. 194; p. 197.
- Peck, John F., Madison, S. D. Culvert-mold. No. 1,061,491; May 13; Gaz. vol. 190; p. 353.
- Peck, Lloyd C., Sylvan Grove, Kans. Stamp-vending machine. No. 1,061,865; May 13; Gaz. vol. 190; p. 478.
- Peck, Samuel. (See Wakfer, William H., assignor.)
- Peck, Staunton B., assignor to Link-Belt Company, Chicago, Ill. Stand for troughing-rolls. No. 1,072,156; Sept. 2; Gaz. vol. 194; p. 167.
- Peck, Stow & Wilcox Company. (See Altwein, Oscar R., assignor.)
- Peck-Williamson Company, The. (See Holub, Charles J., assignor.)
- Peckham, Harold C., assignor to Auto Improvements Company, Bristol, R. I. Muffler cut-out. No. 1,068,528; July 29; Gaz. vol. 192; p. 1038.
- Peckover, James, assignor of one-third to J. Scanlin and one-third to H. B. Powell, Philadelphia, Pa. Stone-saw. No. 1,065,833; June 24; Gaz. vol. 191; p. 1008.
- Pecord, Jerry, Willard, Ill. Brace construction. No. 1,070,523; Aug. 19; Gaz. vol. 193; p. 565.
- Peddy, Thomas T., Bienville, La. Deflector. No. 1,075,062; Oct. 7; Gaz. vol. 195; p. 164.
- Pedersen, Harald C., assignor to Aisenstein & Schiller, New York, N. Y. Cigarette-case. No. 1,081,512; Dec. 16; Gaz. vol. 197; p. 616.
- Pedersen, John D., Jackson, Wyo. Gun-operating cartridge. No. 1,062,604; May 27; Gaz. vol. 190; p. 810.
- Pedersen, John D., Jackson, Wyo. Cartridge. No. 1,066,525; July 8; Gaz. vol. 192; p. 245.
- Pedersen, John D., Jackson, Wyo. Firearm. No. 1,071,173; Aug. 26; Gaz. vol. 193; p. 815.
- Pedersen, John D., Jackson, Wyo. Firearm. No. 1,072,982; Sept. 9; Gaz. vol. 194; p. 484.
- Pedersen, John D., Jackson, Wyo. Cartridge. No. 1,081,983; Dec. 23; Gaz. vol. 197; p. 799.
- Pedersen, Niels, assignor to Cracraft-Leich Electric Company, Genoa, Ill. Desk-telephone apparatus. No. 1,049,526; Jan. 7; Gaz. vol. 186; p. 70.
- Pedersen, Nils, Borregaard, near Sarpsborg, Norway. Paper and pasteboard machine. No. 1,050,164; Jan. 14; Gaz. vol. 186; p. 321.
- Pederson, Gunder, Greenbush, Minn. Door-lock. No. 1,060,019; Apr. 29; Gaz. vol. 189; p. 1057.
- Pedler, William J. (See Renney and Pedler.)
- Peek, Clifford H., East Aurora, N. Y. Potato-planter. No. 1,065,622; June 24; Gaz. vol. 191; p. 937.
- Peek, Frank W., Jr., Schenectady, N. Y., assignor to General Electric Company. Lightning-arrester. No. 1,074,454; Sept. 30; Gaz. vol. 194; p. 1074.
- Peek, Frean & Company et al. (See Nunneley, George A., assignor.)

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- Peel, Fred P., Washington, D. C. Speed-indicator and package-dropper for airships. No. 1,081,984; Dec. 23; Gaz. vol. 197; p. 800.
- Peelle Co., The. (See Wexler, Benjamin, assignor.)
- Peelman, George A., Surrey, N. D. Bridle attachment. No. 1,052,749; Feb. 11; Gaz. vol. 187; p. 339.
- Peeples, John M., Centralia, Ill. Seed-tester. No. 1,057,877; Apr. 1; Gaz. vol. 189; p. 165.
- Peerless Husker Company. (See Zimmerman and Sells, assignors.)
- Peerless Motor Car Company, The. (See Schmidt, Charles, assignor.)
- Peerless Motor Car Company, The. (See Strickland, William R., assignor.)
- Peerless Motor Car Company, The. (See Wadsworth, George R., assignor.)
- Peerless Rubber Manufacturing Company. (See Wiczoreck, Clemens, assignor.)
- Peerstone, Earl D., Chicago, Ill. Triple-valve device. No. 1,051,000; Jan. 21; Gaz. vol. 186; p. 644.
- Peery, Roy W., Bristol, Tenn., assignor, by mesne assignments, to Remington Typewriter Company, Ilion, N. Y. Type-writing machine. No. 1,061,631; May 13; Gaz. vol. 190; p. 403.
- Peet, William W. (See Scott and Peet.)
- Peetz, Benjamin F., Moro, H. S. McDanel, Portland, and N. W. Thompson, Moro, Oreg., assignors, by mesne assignments, to Gnu Copy Holder Manufacturing Company, Los Angeles, Cal. Copy-holder. (Reissue.) No. 13,662; Dec. 23; Gaz. vol. 197; p. 972.
- Pegg, Gerald. (See Pratt and Pegg.)
- Pein, Edward J. von, assignor to The National Cash Register Company, Dayton, Ohio. Cash-register. No. 1,071,788; Sept. 2; Gaz. vol. 194; p. 42.
- Pein, Edward J. von, assignor to The National Cash Register Company, Dayton, Ohio. Cash-register. No. 1,073,704; Sept. 23; Gaz. vol. 194; p. 795.
- Pein, Henry, assignor to Sanitary Fountain Co., Jersey City, N. J. Machine for carbonating and dispensing liquids. No. 1,059,000; Apr. 15; Gaz. vol. 189; p. 635.
- Pein, Henry, assignor to Sanitary Fountain Co., Jersey City, N. J. Coin mechanism for vending-machines. No. 1,081,401; Dec. 16; Gaz. vol. 197; p. 577.
- Pein, Firm of Hugo v. (See Pein, Hugo H. H. von, assignor.)
- Pein, Hugo H. H. von, assignor to Firm of H. v. Pein, Hamburg, Germany. Device for carbonating liquids. No. 1,058,383; Apr. 8; Gaz. vol. 189; p. 385.
- Peine, Adolphus G., assignor to Alfred Decker & Cohn, Chicago, Ill. Waistband for garments. No. 1,078,950; Nov. 18; Gaz. vol. 196; p. 651.
- Peirce, Clifford G. (See Rast, Felix Q., assignor.)
- Peirce, Edward B., Lowell, Mass. Wheelbarrow. No. 1,052,953; Feb. 11; Gaz. vol. 187; p. 412.
- Peirce, John R., assignor to Royden Marble Machinery Company, New York, N. Y. Making deep cuts in marble or similar stone. No. 1,063,380; June 3; Gaz. vol. 191; p. 71.
- Peirce, Robert T., Newport News, Va. Reinforced concrete construction. No. 1,060,853; May 6; Gaz. vol. 190; p. 100.
- Pejauo, Albert D., assignor to The American Folding Machine Company, Cleveland, Ohio. Paper-feeding machine. No. 1,074,455; Sept. 30; Gaz. vol. 194; p. 1074.
- Pelham, Harry D., and C. P. Kaba, assignors of one-half to A. G. Slater, Colorado Springs, Colo., and one-half to C. P. Kaba. Folding candlestick. No. 1,069,170; Aug. 5; Gaz. vol. 193; p. 28.
- Pelke, Arthur, and F. E. Hayes, Mexico, Mexico. Apparatus for making concrete blocks. No. 1,075,936; Oct. 14; Gaz. vol. 195; p. 490.
- Pelle, Henry D., assignor of one-half to E. V. Burke, Stockton, Cal. Piano-action-flange holder. No. 1,074,289; Sept. 30; Gaz. vol. 194; p. 1019.
- Pelletier, Charles O., Oakland, Cal. Device for moving disappearing beds. No. 1,067,621; July 15; Gaz. vol. 192; p. 657.
- Pelletier, Denis. (See Rochon, Charles, assignor.)
- Pelletier, Fredrick A., Elgin, Ill. Milking-stool. No. 1,061,321; May 13; Gaz. vol. 190; p. 295.
- Pellington, James, Paterson, N. J. Locomotive-boiler. No. 1,057,666; Apr. 1; Gaz. vol. 189; p. 93.
- Peloquin, Louis, Southbridge, Mass. Billiard-chalk holder. No. 1,066,142; July 1; Gaz. vol. 192; p. 84.
- Pelouze Manufacturing Co. (See Schwartz, Edward, assignor.)
- Peltason, Leo H., St. Louis, Mo. Combined can container and perforator. No. 1,075,723; Oct. 14; Gaz. vol. 195; p. 417.
- Pelton, Charles H., assignor to The Thomas Manufacturing Company, Springfield, Ohio. Fertilizer-distributer. No. 1,061,400; May 13; Gaz. vol. 190; p. 322.
- Pelton, Charles H., assignor to The Thomas Manufacturing Company, Springfield, Ohio. Drill. No. 1,072,869; Sept. 9; Gaz. vol. 194; p. 441.
- Pelton & Crane Co., The. (See Crane, Ernest M., assignor.)
- Pelton, George M., assignor to The Filer and Stowell Company, Milwaukee, Wis. Resawing-machine. No. 1,058,897; Apr. 15; Gaz. vol. 189; p. 600.
- Pelton, George M., assignor to The Filer and Stowell Company, Milwaukee, Wis. Sawmill-carriage offset. No. 1,073,166; Sept. 16; Gaz. vol. 194; p. 583.
- Pelton, George M., assignor to The Filer and Stowell Company, Milwaukee, Wis. Band-saw mill. No. 1,074,197; Sept. 30; Gaz. vol. 194; p. 989.
- Pelton, Robert S., Monticello, N. Y. Brake mechanism for automobiles. No. 1,050,686; Jan. 14; Gaz. vol. 186; p. 498.
- Peltzer, Albert, Chicago, Ill. Constructing concrete buildings. No. 1,066,436; July 1; Gaz. vol. 192; p. 184.
- Peltzer, Rudolf, Beckley, Conn. Curtain-holder. No. 1,054,309; Feb. 25; Gaz. vol. 187; p. 954.
- Pembroke, Charles J., Rochester, N. Y. Carbureter. No. 1,055,352; Mar. 11; Gaz. vol. 188; p. 272.
- Pembroke, Charles J., Rochester, N. Y. Motor-vehicle. No. 1,060,701; May 6; Gaz. vol. 190; p. 48.
- Pembroke, Charles J., Rochester, N. Y. Vehicle-frame. No. 1,071,335; Aug. 26; Gaz. vol. 193; p. 869.
- Pembroke, George H., New Brunswick, N. J., assignor to M. H. Horton, Brooklyn, N. Y. Check-protector. No. 1,075,221; Oct. 7; Gaz. vol. 195; p. 218.
- Pement, Edward S. and P., Chicago, Ill. Railway-tie. No. 1,064,163; June 10; Gaz. vol. 191; p. 375.
- Pement, Philemon. (See Pement, Edward S. and P.)
- Penberthy Injector Co. (See Pribil, Alexis R., assignor.)
- Pence, Alonzo H., Somerville, Ala. Guano-distributer. No. 1,050,165; Jan. 14; Gaz. vol. 186; p. 321.
- Pence, William C., Warden, Wash. Weed-cutter. No. 1,081,985; Dec. 23; Gaz. vol. 197; p. 800.
- Pendell, Thomas, Poughkeepsie, N. Y. Pneumatic wheel for vehicles. No. 1,071,571; Aug. 26; Gaz. vol. 193; p. 946.
- Pendery, Edward W., Newport, Ky. Window-screen. No. 1,055,489; Mar. 11; Gaz. vol. 188; p. 317.
- Pendleton, Frank E., Montclair, N. J. Self-cleaning filter. No. 1,062,793; May 27; Gaz. vol. 190; p. 872.
- Pendleton Iron Works. (See Akers, Maurice L., assignor.)
- Pendleton, William H. E., Venice, assignor of one-third to E. G. Kuster and one-third to R. B. Carter, Los Angeles, Cal. Locking device for gear-shift levers of automobiles. No. 1,075,666; Oct. 14; Gaz. vol. 195; p. 398.
- Pene, Xavier. (See Thiébaud, Camille, assignor.)
- Penfield, Raymond C., New York, N. Y. Handling bricks. No. 1,051,001; Jan. 21; Gaz. vol. 186; p. 645.
- Penfield, Raymond C., Chicago, Ill. Brick-handling apparatus. No. 1,055,490; Mar. 11; Gaz. vol. 188; p. 318.
- Penfield, William A., assignor to Bradley & Hubbard Mfg. Co., Meriden, Conn. Air-distributer for central-draft lamps. No. 1,082,284; Dec. 23; Gaz. vol. 197; p. 905.
- Penn, Charles F., and F. P. Rand, Spokane, Wash. Boring-machine. No. 1,081,552; Dec. 16; Gaz. vol. 197; p. 628.
- Penn, Joseph R., Duncanville, Tex. Cotton-chopper machine. No. 1,079,577; Nov. 25; Gaz. vol. 196; p. 898.
- Penn, Lemuel S., Dayton, Ohio. Cosmetic. No. 1,081,327; Dec. 16; Gaz. vol. 197; p. 553.
- Penn Metal Company. (See Cummings and English, assignors.)
- Penn Surgical Manufacturing Company. (See Root, Charles M., assignor.)
- Penn, William E., Lake Mills, Wis., assignor to Creamery Package Manufacturing Company, Chicago, Ill. Curd-mill. No. 1,061,401; May 13; Gaz. vol. 190; p. 322.
- Pennebaker, George W., Albany, Oreg. Display device. No. 1,077,855; Nov. 4; Gaz. vol. 196; p. 209.
- Pennell, Joseph. (See Kindt, John M., assignor.)
- Pennewill, James W., Silver City, N. Mex. File-case. No. 1,060,020; Apr. 29; Gaz. vol. 189; p. 1058.
- Pennewill, James W., Silver City, N. Mex. Safety-pocket. No. 1,060,489; Apr. 29; Gaz. vol. 189; p. 1220.
- Pennewill, James W., Silver City, N. Mex. Window support and holder. No. 1,060,490; Apr. 29; Gaz. vol. 189; p. 1221.
- Penney, John, Thorndike, Me. Cow-tail holder. No. 1,051,756; Jan. 28; Gaz. vol. 186; p. 931.
- Pennington, Emory Y., Mohawk, Tenn. Acetylene-generator. No. 1,055,791; Mar. 11; Gaz. vol. 188; p. 419.
- Pennington, Frank C., Detroit, Mich. Awning. No. 1,076,310; Oct. 21; Gaz. vol. 195; p. 647.
- Pennington, Henry J., St. Marys, Ind. Wire-splicer. No. 1,073,514; Sept. 16; Gaz. vol. 194; p. 705.
- Pennington, Lawrence W., Springfield, Mass. Form for neckties. No. 1,080,296; Dec. 2; Gaz. vol. 197; p. 132.
- Pennsylvania Globe Gas Light Company. (See Slinack, Victor H., assignor.)
- Pennsylvania Steel Company, The. (See Cohen and Hilpert, assignors.)
- Pennsylvania Steel Company, The. (See Cuenot, Paul A., assignor.)
- Pennsylvania Steel Railway Tie Company, The. (See Shoemaker, Samuel, assignor.)
- Penobscot Fish Company. (See Haines, Arthur P., assignor.)
- Penrose, Edward R., Logansport, Ind., assignor to Buda Company, Chicago, Ill. Lifting-jack. No. 1,078,374; Nov. 11; Gaz. vol. 196; p. 423.
- Pensabene, Nicolò, Birmingham, England. Dynamo-electric machine. No. 1,067,191; July 8; Gaz. vol. 192; p. 474.

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- Pensabene, Nicolò, Birmingham, England. Means for use in controlling induction-motors. No. 1,071,336; Aug. 26; Gaz. vol. 193; p. 869.
- Pentecost, Arthur, East Orange, N. J., assignor, by mesne assignments, to Burroughs Adding Machine Company, Detroit, Mich. Calculating-machine. No. 1,049,527; Jan. 7; Gaz. vol. 186; p. 70.
- Penton, Reginald F., *et al.* (See Robinson, Arthur G., assignor.)
- Pentz, James B., New York, N. Y. Apparatus for generating steam. No. 1,081,463; Dec. 16; Gaz. vol. 197; p. 599.
- Peoria Tent & Awning Co. (See Oltmanns, Herman, assignor.)
- Pepling, Marinus, Newark, N. J., assignor to F. Moss, New York, N. Y. Winding-machine. No. 1,072,157; Sept. 2; Gaz. vol. 194; p. 168.
- Peppe, Alphonso E., New York, N. Y. Can-carrier. No. 1,080,578; Dec. 9; Gaz. vol. 197; p. 261.
- Pepper, James H., Wasco, assignor of one-half to J. R. Morgan, Moro, Oreg. Pipe-vise. No. 1,058,625; Apr. 8; Gaz. vol. 189; p. 466.
- Pepper, Sidney, Edam, Saskatchewan, Canada. Well-digger's cage. No. 1,049,528; Jan. 7; Gaz. vol. 186; p. 71.
- Peppers, Albert F., Oklahoma, Okla. Door-stop. No. 1,057,976; Apr. 1; Gaz. vol. 189; p. 198.
- Peppers, Jerry C., New Orleans, La. Device for locking and unlocking window-blinds and doors. No. 1,054,608; Feb. 25; Gaz. vol. 187; p. 1056.
- Pepple, Cal, New Weston, Ohio. Folding car-step. No. 1,083,131; Dec. 30; Gaz. vol. 197; p. 1226.
- Perazio, Valentine S. (See Parker, Lange, and Perazio.)
- Perazio, Valentine S., New York, N. Y. Hose-coupling. No. 1,060,491; Apr. 29; Gaz. vol. 189; p. 1221.
- Percival, Frank N. (See Patterson and Percival.)
- Percival, John A., Winnipeg, Manitoba, Canada. Manifold-book. No. 1,072,254; Sept. 2; Gaz. vol. 194; p. 198.
- Percy, Earl N. (See Smith and Percy.)
- Percy, James E., assignor to Walter A. Wood Mowing and Reaping Machine Company, Hoosick Falls, N. Y. Spike-tooth harrow. No. 1,054,712; Mar. 4; Gaz. vol. 188; p. 19.
- Perdue, Brady M., Franklin, Ky. Buggy-shaft support. No. 1,050,687; Jan. 14; Gaz. vol. 186; p. 498.
- Perdue, Clayborn L., Thurman, Ohio. Collapsible crate. No. 1,071,672; Aug. 26; Gaz. vol. 193; p. 980.
- Peregrine, Philip A., *et al.* (See Born and Recen, assignors.)
- Peregrine, Seymour W., Portland, Me. Gas-generator for explosive-engines. No. 1,072,402; Sept. 2; Gaz. vol. 194; p. 249.
- Pereira, Joseph E. (See Stone, Albert L., assignor.)
- Perfection Dyeing Machine Co. (See Payne, Jesse M., assignor.)
- Perfection Dyeing Machine Company. (See Payne and Wallace, assignors.)
- Perfection Gas Regulator Company. (See Ricketts, James R., assignor.)
- Perfection Harness and Tug Buckle Company, The. (See Carter, Richard B., assignor.)
- Perfection Removable Bar Cylinder Company. (See Leavell, Walter E., assignor.)
- Perfection Spring Company, The. (See Maranville, Harvey F., assignor.)
- Perfection Spring Company, The. (See McIntyre, Michael M., assignor.)
- Perkett, Louis F., Traverse City, Mich. Humidostat. No. 1,060,786; May 6; Gaz. vol. 190; p. 75.
- Perkins, Allan A., Sanford, Me. Picker-head check. No. 1,057,977; Apr. 1; Gaz. vol. 189; p. 198.
- Perkins, Alonson D., Los Angeles, Cal. Hinge mechanism. No. 1,062,549; May 20; Gaz. vol. 190; p. 748.
- Perkins, Charles H., Lakeport, Laconia, assignor to Crane Manufacturing Company, Lakeport, N. H. Knitting-machine. No. 1,057,166; Mar. 25; Gaz. vol. 188; p. 953.
- Perkins, Charles J., Manitou, Colo., assignor of one-third to J. T. M. Johnston and one-third to J. F. Holden, Kansas City, Mo. Door for silos. No. 1,081,863; Dec. 16; Gaz. vol. 197; p. 731.
- Perkins, Charles J., Manitou, Colo., assignor of one-third to J. T. M. Johnston and one-third to J. F. Holden, Kansas City, Mo. Building construction. No. 1,081,864; Dec. 16; Gaz. vol. 197; p. 732.
- Perkins, Charles M., Cohoes, N. Y. Feeding mechanism for buttonhole-machines. No. 1,064,533; June 10; Gaz. vol. 191; p. 501.
- Perkins, Chester A., South Bend, Ind. Sash-operating device. No. 1,070,724; Aug. 19; Gaz. vol. 193; p. 632.
- Perkins, Douglas, Jr., Plano, Cal. Hat-pin. No. 1,062,498; May 20; Gaz. vol. 190; p. 733.
- Perkins, Edward P., Woodchester, England. Box or receptacle for containing small articles. No. 1,079,141; Nov. 18; Gaz. vol. 196; p. 720.
- Perkins, Edwin A., Cambridge, Mass. Reciprocating engine. No. 1,082,901; Dec. 30; Gaz. vol. 197; p. 1151.
- Perkins, Edwin A., New York, N. Y. Reciprocating engine. No. 1,082,902; Dec. 30; Gaz. vol. 197; p. 1151.
- Perkins, Elbert G., San Francisco, assignor to W. Perkins, Alameda, Cal. Non-slipping rubber heel. No. 1,068,073; July 22; Gaz. vol. 192; p. 844.
- Perkins Electric Switch Manufacturing Company, The. (See Goodridge, Gilbert W., assignor.)
- Perkins Electric Switch Manufacturing Company, The. (See Seeley, Frank E., assignor.)
- Perkins Electric Switch Manufacturing Company, The. (See Thomas, George B., assignor.)
- Perkins, Elijah H., Dinuba, Cal. Rotary pump. No. 1,049,761; Jan. 7; Gaz. vol. 186; p. 150.
- Perkins, Frank C., Buffalo, N. Y. Electric cooker. No. 1,056,933; Mar. 25; Gaz. vol. 188; p. 872.
- Perkins, Frank G., deceased, Lansdale, Pa.; G. S. Perkins, executrix, South Bend, Ind., assignor to Perkins Glue Company. Vegetable glue. No. 1,078,691; Nov. 18; Gaz. vol. 196; p. 562.
- Perkins, Frank G., deceased, Lansdale, Pa.; G. S. Perkins, executrix, South Bend, Ind., assignor to Perkins Glue Company. Making glue. No. 1,078,692; Nov. 18; Gaz. vol. 196; p. 562.
- Perkins, George B., Elvins, Mo. Wrench. No. 1,075,850; Oct. 14; Gaz. vol. 195; p. 461.
- Perkins, George W., assignor to Heaton Peninsular Button Fastener Company, Boston, Mass. Wire-feed device. No. 1,056,444; Mar. 18; Gaz. vol. 188; p. 673.
- Perkins, George W., assignor to Heaton Peninsular Button Fastener Company, Boston, Mass. Button-fastening machine. No. 1,070,170; Aug. 12; Gaz. vol. 193; p. 402.
- Perkins, George W., assignor to Heaton-Peninsular Button Fastener Company, Boston, Mass. Anticlogging attachment for button-fastening machines. No. 1,080,996; Dec. 9; Gaz. vol. 197; p. 405.
- Perkins, Gertrude S., executrix. (See Perkins, Frank G.)
- Perkins Glue Company. (See Perkins, Frank G., assignor.)
- Perkins, Harry F., Schenectady, N. Y., assignor to General Electric Company. Space signaling system. No. 1,074,456; Sept. 30; Gaz. vol. 194; p. 1075.
- Perkins, Henry W., Somerville, assignor to J. R. Green, Charlestown, Mass. Rack for holding boots, shoes, and lasts. No. 1,058,195; Apr. 8; Gaz. vol. 189; p. 319.
- Perkins, Hiram A., assignor to American Wood Working Machinery Co., Rochester, N. Y. Jointing attachment for cutter-heads. No. 1,054,936; Mar. 4; Gaz. vol. 188; p. 95.
- Perkins, Hiram A., assignor to American Wood Working Machinery Co., Rochester, N. Y. Step-bearing for machinery. No. 1,059,313; Apr. 15; Gaz. vol. 189; p. 742.
- Perkins, Idora V., St. Louis, Mo. Bedclothes-airing device. No. 1,049,596; Jan. 7; Gaz. vol. 186; p. 96.
- Perkins, James F., Seattle, Wash. Can-weighing machine. No. 1,064,668; June 10; Gaz. vol. 191; p. 547.
- Perkins, John W., Port Norfolk, Va. Railway-crossing. No. 1,082,607; Dec. 30; Gaz. vol. 197; p. 1048.
- Perkins, Julian L., assignor, by mesne assignments, to F. E. Muzzy, Springfield, Mass. Pressure-regulating means. No. 1,079,904; Nov. 25; Gaz. vol. 196; p. 1013.
- Perkins, Julius A., Omaha, Nebr., assignor, by mesne assignments, to United States Roller Bearing Company, Jersey City, N. J. Dust-guard. No. 1,064,371; June 10; Gaz. vol. 191; p. 445.
- Perkins, Julius A., Omaha, Nebr., assignor, by mesne assignments, to United States Roller Bearing Company, Jersey City, N. J. Roller-bearing. No. 1,066,752; July 8; Gaz. vol. 192; p. 328.
- Perkins, Louis N., Connorsville, Ind. Rotary blower or pump. No. 1,082,903; Dec. 30; Gaz. vol. 197; p. 1152.
- Perkins, Nathan W., Jr., East Orange, N. J. Paper-roll holder. No. 1,059,389; Apr. 22; Gaz. vol. 189; p. 805.
- Perkins, Raymond P. (See Moffett and Perkins.)
- Perkins, Willard. (See Perkins, Elbert G., assignor.)
- Perky, Henry D. (See Higbee, Harriet A., assignor.)
- Perky, Henry D., deceased, Glencoe, Md.; L. Sparks, administrator, assignor, by mesne assignments, to The Shredded Wheat Company, Niagara Falls, N. Y. Form of food from grain and manufacturing the same. No. 1,060,702; May 6; Gaz. vol. 190; p. 49.
- Perky, Henry D., deceased, Glencoe, Md.; L. Sparks, administrator, assignor, by mesne assignments, to The Shredded Wheat Company, Niagara Falls, N. Y. Manufacturing cereal food. No. 1,064,164; June 10; Gaz. vol. 191; p. 375.
- Perky, Scott H., Ithaca, N. Y. Machine for making cellular biscuits. No. 1,071,459; Aug. 26; Gaz. vol. 193; p. 910.
- Perl, Albert H. F., *et al.* (See Crabb, Hugh A., assignor.)
- Perley, C. N., *et al.* (See Ording, Frederick W., assignor.)
- Perley, H. C., *et al.* (See Ording, Frederick W., assignor.)
- Perlman, David, assignor of one-third to M. Zawistowski and one-third to N. Komow, New York, N. Y. Safety device for circular-knife cloth-cutting machines. No. 1,080,518; Dec. 2; Gaz. vol. 197; p. 210.
- Perlman, Louis H., New York, N. Y. Wheel. No. 1,052,270; Feb. 4; Gaz. vol. 187; p. 147.
- Pero, Peter E., Dorchester, Mass. Railway-tie. No. 1,080,473; Dec. 2; Gaz. vol. 197; p. 194.

Alphabetical list of patentees—Continued.

- Perpetual Germ Proof Telephone Mouthpiece Company. (See Rosenblatt, Irving S., assignor.)
- Perret, Georges L. O., *et al.* (See Halma, Edouard, assignor.)
- Perreux-Lloyd, Marcel, Boulogne-sur-Seine, France. Electrolytic apparatus. No. 1,073,868; Sept. 23; Gaz. vol. 194; p. 849.
- Perrier, Annet A., Paris, France. Louver shutter or blind. No. 1,069,976; Aug. 12; Gaz. vol. 193; p. 334.
- Perrin, Fernand. (See Vialleix and Perrin.)
- Perrin, John G., Detroit, Mich. Adjustable lubricating mechanism. No. 1,050,387; Jan. 14; Gaz. vol. 186; p. 397.
- Perrine, William E., assignor of one-third to C. Girl, Cleveland, and one-third to E. W. Farr, Cleveland Heights, Ohio. Vehicle-chock. No. 1,079,020; Nov. 18; Gaz. vol. 196; p. 678.
- Perrot, Henri, assignor to Argylls Limited, Alexandria, Scotland. Brake. No. 1,076,311; Oct. 21; Gaz. vol. 195; p. 647.
- Perry, Alonzo H., Bartlesville, Okla. Hydraulic motor. No. 1,063,381; June 3; Gaz. vol. 191; p. 72.
- Perry, Benjamin F., Grand Junction, Colo. Door-check. No. 1,049,529; Jan. 7; Gaz. vol. 186; p. 71.
- Perry, Clyde B. (See Urquhart, William E., assignor.)
- Perry, Doctor C., and W. E. Wosnig, Lorena, Tex. Clothes-pin. No. 1,058,257; Apr. 8; Gaz. vol. 189; p. 340.
- Perry, Edgar W., Georgetown, S. C. Wheel-hub. No. 1,072,983; Sept. 9; Gaz. vol. 194; p. 485.
- Perry, Edson, Mulhall, Okla. Draft attachment for plows. No. 1,072,255; Sept. 2; Gaz. vol. 194; p. 198.
- Perry, Fred T., *et al.* (See Turner, William P., assignor.)
- Perry, Frederick H., Beverly, Mass., assignor to United Shoe Machinery Company, Paterson, N. J. Machine for operating on shoes. No. 1,069,977; Aug. 12; Gaz. vol. 193; p. 335.
- Perry, Frederick H., Beverly, Mass., assignor to United Shoe Machinery Company, Paterson, N. J. Welt-sewing machine. No. 1,079,436; Nov. 25; Gaz. vol. 196; p. 848.
- Perry, George A. (See Hartness and Perry.)
- Perry, George E., Chicago, Ill. Time-stamp. No. 1,059,755; Apr. 22; Gaz. vol. 189; p. 927.
- Perry, Hillyard, Oak Ridge, Ontario, Canada. Throttle-valve lever for locomotives. No. 1,060,625; May 6; Gaz. vol. 190; p. 21.
- Perry, Leon W., Denver, Colo. Equilibrator. No. 1,070,625; Aug. 19; Gaz. vol. 193; p. 599.
- Perry, Samuel C., London, Ky. Railway-switch. No. 1,077,427; Nov. 4; Gaz. vol. 196; p. 66.
- Perry, Thomas O., Oak Park, Ill. Hydroturbine-aspirator. No. 1,071,789; Sept. 2; Gaz. vol. 194; p. 43.
- Perry, William H., *et al.* (See Wisdom, George P., assignor.)
- Perry, William J., assignor of one-fourth to W. Scheffer, Castlegar, British Columbia, Canada. Cultivator. No. 1,054,609; Feb. 25; Gaz. vol. 187; p. 1057.
- Persak, Joseph, Burwell, Nebr. Brake for railway-cars. No. 1,067,057; July 8; Gaz. vol. 192; p. 428.
- Persault, Joseph, and T. Marquis, Nashua, N. H. Razor-sharpening machine. No. 1,082,904; Dec. 30; Gaz. vol. 197; p. 1153.
- Persic, Frank, Minonk, Ill. Automobile tire-protector. No. 1,081,694; Dec. 16; Gaz. vol. 197; p. 673.
- Persky, Frederick, assignor to National Marine Lamp Company, New York, N. Y. Lantern. No. 1,057,770; Apr. 1; Gaz. vol. 189; p. 127.
- Person, Albert W., Harvard, Nebr. Electric heater. No. 1,051,967; Feb. 4; Gaz. vol. 187; p. 42.
- Person, Frans, North Easton, Mass. Umbrella-stick. No. 1,054,026; Feb. 25; Gaz. vol. 187; p. 859.
- Person, William, assignor to Rockford Cabinet Company, Rockford, Ill. Drawer-knob-polishing machine. No. 1,065,077; June 17; Gaz. vol. 191; p. 717.
- Person, William M., Sparrows Point, Md. Coke-oven. No. 1,079,062; Nov. 18; Gaz. vol. 196; p. 692.
- Persoons, Alphonse. (See Persoons, Julien and A.)
- Persoons, Julien and A., Thildonck, near Louvain, Belgium. Centrifugal cream-separator. No. 1,080,997; Dec. 9; Gaz. vol. 197; p. 406.
- Persson, Adolph, Greenwich, N. Y. Parachute. No. 1,060,703; May 6; Gaz. vol. 190; p. 49.
- Persson, Gottfrid, Lueders, Tex. Listing-plow. No. 1,059,628; Apr. 22; Gaz. vol. 189; p. 885.
- Perth Amboy Chemical Works. (See Kusnezow, Methodie J., assignor.)
- Peru Electric Company. (See Irish, Burt H., assignor.)
- Perzin, Leo, Philadelphia, Pa. Artificial tooth. No. 1,071,952; Sept. 2; Gaz. vol. 194; p. 97.
- Pescatore, Antoine B., London, England. Production of zinc and the like. No. 1,057,878; Apr. 1; Gaz. vol. 189; p. 166.
- Pesha, Louis. (See Strauss and Pesha.)
- Pessin, Morris, New York, N. Y. Wire-stripping machine. No. 1,052,271; Feb. 4; Gaz. vol. 187; p. 148.
- Pestalozza, Paolo, Turin, Italy. Point-changing mechanism. No. 1,075,851; Oct. 14; Gaz. vol. 195; p. 461.
- Peteler, Adolph, New York, N. Y. Shock-absorber. No. 1,057,452; Apr. 1; Gaz. vol. 189; p. 20.
- Peteler, Adolph, New York, N. Y. Shock-absorber. No. 1,072,770; Sept. 9; Gaz. vol. 194; p. 405.
- Peter Gray & Sons. (See Briand, Charles C., assignor.)
- Peter, John J., assignor to P. Barnes, Seattle, Wash. Clutch-operating mechanism. No. 1,079,063; Nov. 18; Gaz. vol. 196; p. 693.
- Peter, Julius F., St. Paul, Minn. Combined measure and stopper. No. 1,076,780; Oct. 28; Gaz. vol. 195; p. 866.
- Peter Spence & Sons. (See Spence and Llewellyn, assignors.)
- Peter, Wilhelm, Degraff, Ohio. Tongs. No. 1,076,839; Oct. 28; Gaz. vol. 195; p. 887.
- Peterman, Clyde M. (See Waller, Charles W., assignor.)
- Peterman, Mahlon L., Millside, British Columbia, Canada. Lath-bolter. No. 1,077,551; Nov. 4; Gaz. vol. 196; p. 109.
- Petermann, Otto, Groton, N. Y. Camera-back. No. 1,066,941; July 8; Gaz. vol. 192; p. 390.
- Petermann, Otto, Groton, N. Y., assignor to Standard Typewriter Company. Type-writing-machine construction. No. 1,062,027; May 20; Gaz. vol. 190; p. 575.
- Petermann, Otto, Groton, N. Y., assignor to Standard Typewriter Company. Type-writing machine. No. 1,064,372; June 10; Gaz. vol. 191; p. 445.
- Petermann, Otto, assignor to Standard Typewriter Company, Groton, N. Y. Bar mechanism for type-writing machines. No. 1,081,141; Dec. 9; Gaz. vol. 197; p. 451.
- Petermann, Otto, assignor to Standard Typewriter Company, Groton, N. Y. Keyboard. No. 1,081,142; Dec. 9; Gaz. vol. 197; p. 451.
- Petermann, Otto, assignor to Standard Typewriter Company, Groton, N. Y. Bar mechanism for type-writing machines. No. 1,081,143; Dec. 9; Gaz. vol. 197; p. 452.
- Petermann, Otto, assignor to Standard Typewriter Company, Groton, N. Y. Keyboard. No. 1,081,144; Dec. 9; Gaz. vol. 197; p. 452.
- Petermann, Otto, assignor to Standard Typewriter Company, Groton, N. Y. Type-writing machine. No. 1,081,145; Dec. 9; Gaz. vol. 197; p. 452.
- Petermann, Otto, New York, N. Y., assignor, by mesne assignments, to Standard Typewriter Company. Keyboard for type-writing machines. No. 1,081,140; Dec. 9; Gaz. vol. 197; p. 451.
- Petermüller, Franz J., Berlin, Germany, assignor to General Electric Company. Centrifugal air-pump. No. 1,060,935; May 6; Gaz. vol. 190; p. 128.
- Petermüller, Franz J., Berlin, Germany, assignor to General Electric Company. Centrifugal throwing air-pump. No. 1,060,936; May 6; Gaz. vol. 190; p. 129.
- Petermüller, Franz J., Berlin, Germany, assignor to General Electric Company. Centrifugal pump. No. 1,060,937; May 6; Gaz. vol. 190; p. 130.
- Petermüller, Joseph, Holm Foundry, assignor to G. and J. Weir, Limited, Cathcart, Scotland. Rotary air-pump. No. 1,050,688; Jan. 14; Gaz. vol. 186; p. 498.
- Peters, Albert. (See Kalinouski and Peters.)
- Peters, Arthur E., Westmont borough, Pa. Spring-cover. No. 1,080,652; Dec. 9; Gaz. vol. 197; p. 286.
- Peters Cartridge Company. (See Tewes, William A., assignor.)
- Peters, Charles. (See Karminski and Peters.)
- Peters, Charles A. and J. B., Detroit, Mich. Garbage-receptacle. No. 1,082,550; Dec. 30; Gaz. vol. 197; p. 1027.
- Peters, Charles L., Marinette, Wis. Invoice-register. No. 1,065,624; June 24; Gaz. vol. 191; p. 938.
- Peters, Detrich D., Dallas, Ore. Tool-handle. No. 1,073,817; Sept. 23; Gaz. vol. 194; p. 832.
- Peters, Edward. (See Franks, William L., assignor.)
- Peters, Emil B. (See Hambrick and Peters.)
- Peters, Ernst, Berlin-Karlshorst, Germany. Statuary-copying machine. No. 1,058,384; Apr. 8; Gaz. vol. 189; p. 385.
- Peters, Gustav, Hoboken, N. J. Making bakers' products. No. 1,077,552; Nov. 4; Gaz. vol. 196; p. 109.
- Peters, Heber C., New York, N. Y., assignor to Burroughs Adding Machine Company, Detroit, Mich. Adding-machine. No. 1,050,039; Jan. 7; Gaz. vol. 186; p. 244.
- Peters, Ida M., Pleasant Valley, N. Y. Gardener's wheeled chair. No. 1,061,114; May 6; Gaz. vol. 190; p. 190.
- Peters, John B. (See Peters, Charles A. and J. B.)
- Peters, Joseph, Herring, Iowa. Snap-hook. No. 1,052,272; Feb. 4; Gaz. vol. 187; p. 148.
- Peters, Lundy L., Tiro, assignor to J. Crouse, Bucyrus, Ohio. Automobile-heater. No. 1,050,230; Jan. 14; Gaz. vol. 186; p. 342.
- Peters, Michael H., Dunbar, Pa. Hat-pin-point protector. No. 1,051,629; Jan. 28; Gaz. vol. 186; p. 890.
- Peters, Samuel H., Allentown, Pa. Mail-box fastener. No. 1,067,133; July 8; Gaz. vol. 192; p. 454.
- Peters, Theodore, Ferdinand, Ind. Air lift-pump. No. 1,077,997; Nov. 11; Gaz. vol. 196; p. 291.
- Peters, W. Ernest, Denver, Colo. Eye-cup. No. 1,079,064; Nov. 18; Gaz. vol. 196; p. 693.
- Peters, Walter H., Steger, Ill. Postage-stamp vending and affixing machine. No. 1,073,515; Sept. 16; Gaz. vol. 194; p. 705.
- Petersen, Anker, Winthrop, assignor to Boston Machinery Company, Boston, Mass. Thread-carrier. No. 1,049,391; Jan. 7; Gaz. vol. 186; p. 25.
- Petersen, Anker, Winthrop, assignor to Boston Machinery Company, Boston, Mass. Rotary engine. No. 1,060,021; Apr. 29; Gaz. vol. 189; p. 1058.

Alphabetical list of patentees—Continued.

- Petersen, Anker, assignor to Boston Machinery Company, Boston, Mass. Machine for making tubular fabrics. No. 1,072,984; Sept. 9; Gaz. vol. 194; p. 485.
- Petersen, Anker, Winthrop, assignor to The Petersen Circular Loom Company, Boston, Mass. Winding-machine. No. 1,081,986; Dec. 23; Gaz. vol. 197; p. 800.
- Petersen, Charles, Corvallis, Oreg. Detachable safety-lock for milk-cans. No. 1,066,046; July 1; Gaz. vol. 192; p. 50.
- Petersen, Charles, San Francisco, Cal. Adjustable double-tree. No. 1,079,021; Nov. 18; Gaz. vol. 196; p. 678.
- Petersen Circular Loom Company, The. (See Petersen, Anker, assignor.)
- Petersen, Ernst F., Frankfort-on-the-Main, Germany. Pessary. No. 1,052,687; Feb. 11; Gaz. vol. 187; p. 320.
- Petersen, Georg, Nicolaieff, Russia. Apparatus for taking samples from grain and the like. No. 1,063,725; June 3; Gaz. vol. 191; p. 193.
- Petersen, George, Spokane, Wash. Keyhole-closer. No. 1,061,866; May 13; Gaz. vol. 190; p. 479.
- Petersen, Hans P., South Tacoma, Wash. Draft appliance. No. 1,073,516; Sept. 16; Gaz. vol. 194; p. 705.
- Petersen, Henry, Mount Auburn, Iowa. Cultivator. No. 1,051,253; Jan. 21; Gaz. vol. 186; p. 728.
- Petersen, Johannes M., Clinton, Iowa. Drain-head. No. 1,079,262; Nov. 18; Gaz. vol. 196; p. 758.
- Petersen, Oscar F., Des Moines, Iowa. Vacuum conduit system. No. 1,054,027; Feb. 25; Gaz. vol. 187; p. 859.
- Petersen, Richard, Berlin-Schlachtensee, Germany. Cableway. No. 1,068,074; July 22; Gaz. vol. 192; p. 844.
- Petersen, Richard, Schlachtensee, Germany. Cableway. No. 1,068,164; July 22; Gaz. vol. 192; p. 874.
- Petersen, Ross, *et al.* (See Gould, Fred L., assignor.)
- Petersen, Samuel H., Philadelphia, Pa. Absorption mechanism for refrigerating apparatus. No. 1,070,911; Aug. 19; Gaz. vol. 193; p. 693.
- Petersen, Soren P., Patterson, La. Combined rail chair and fastening. No. 1,055,218; Mar. 4; Gaz. vol. 188; p. 189.
- Petersen, William F., Chicago, Ill. Link-belt conveyer. No. 1,069,901; Aug. 12; Gaz. vol. 193; p. 310.
- Petersen, Adolphe C., Minneapolis, Minn. Internal-combustion engine. No. 1,079,578; Nov. 25; Gaz. vol. 196; p. 899.
- Petersen, Alfred, Tompkins, Saskatchewan, Canada. Collapsible wagon. No. 1,054,364; Feb. 25; Gaz. vol. 187; p. 974.
- Petersen, Alfred, Independence, Mo. Rotary motor. No. 1,056,827; Mar. 25; Gaz. vol. 188; p. 835.
- Petersen, Amos A., Genoa, Nebr. Adjustment for sieves. No. 1,051,254; Jan. 21; Gaz. vol. 186; p. 729.
- Petersen, Arvid J., Greenfield, Mass. Attachment for screw-cutting lathes. No. 1,075,301; Oct. 7; Gaz. vol. 195; p. 248.
- Petersen, Axel W., assignor to C. Groos, San Francisco, Cal. Wrench. No. 1,081,626; Dec. 16; Gaz. vol. 197; p. 650.
- Petersen, Burt A. (See Colman and Peterson.)
- Petersen, Burt A., assignor, by mesne assignments, to Barber-Colman Company, Rockford, Ill. Heddle and heddle-frame. No. 1,061,322; May 13; Gaz. vol. 190; p. 296.
- Petersen, Burt A., assignor to Barber-Colman Company, Rockford, Ill. Magazine-loader. No. 1,061,492; May 13; Gaz. vol. 190; p. 353.
- Petersen, Burt A., assignor to Barber-Colman Company, Rockford, Ill. Means for securing doffer-supporting rails to spinning-frames. No. 1,061,493; May 13; Gaz. vol. 190; p. 354.
- Petersen, Burt A., assignor to Barber-Colman Company, Rockford, Ill. Apparatus for facilitating the loading of bobbin-magazines. No. 1,062,250; May 20; Gaz. vol. 190; p. 652.
- Petersen, Burt A., assignor to Barber-Colman Company, Rockford, Ill. Magazine-loader. No. 1,062,848; May 27; Gaz. vol. 190; p. 890.
- Petersen, Burt A., assignor to Barber-Colman Company, Rockford, Ill. Doffer. No. 1,063,587; June 3; Gaz. vol. 191; p. 142.
- Petersen, Burt A., assignor to Barber-Colman Company, Rockford, Ill. Bobbin-handling apparatus. No. 1,063,588; June 3; Gaz. vol. 191; p. 142.
- Petersen, Burt A., assignor to Barber-Colman Company, Rockford, Ill. Doffer. No. 1,064,165; June 10; Gaz. vol. 191; p. 375.
- Petersen, Burt A., assignor to Barber-Colman Company, Rockford, Ill. Doffer. No. 1,067,058; July 8; Gaz. vol. 192; p. 428.
- Petersen, Burt A., assignor to Barber-Colman Company, Rockford, Ill. Spinning-frame doffer. No. 1,067,192; July 8; Gaz. vol. 192; p. 475.
- Petersen, Burt A., assignor to Barber-Colman Company, Rockford, Ill. Means for attaching doffer-supporting rails to spinning-frames. No. 1,070,171; Aug. 12; Gaz. vol. 193; p. 402.
- Petersen, Burt A., assignor to Barber-Colman Company, Rockford, Ill. Means for attaching doffer-supporting rails to spinning-frames. No. 1,070,840; Aug. 19; Gaz. vol. 193; p. 670.
- Peterson, Burt A., assignor to Barber-Colman Company, Rockford, Ill. Doffer. No. 1,075,852; Oct. 14; Gaz. vol. 195; p. 462.
- Peterson, Burt A., Rockford, Ill., assignor to Barber-Colman Company, Rockford, Ill. Bobbin-magazine for doffers. No. 1,078,553; Nov. 11; Gaz. vol. 196; p. 482.
- Peterson, Carl E., Newark, N. J. Clasp. No. 1,056,211; Mar. 18; Gaz. vol. 188; p. 595.
- Peterson, Charles, Dublin, Ireland. Absorber for use in the stems of tobacco-pipes. No. 1,056,359; Mar. 18; Gaz. vol. 188; p. 642.
- Peterson, Charles A., Ida Grove, Iowa. Cultivator. No. 1,058,788; Apr. 15; Gaz. vol. 189; p. 559.
- Peterson, Charles A., assignor of one-third to O. Kallander, Jamestown, N. Y. Adjustable curtain-roller. No. 1,070,725; Aug. 19; Gaz. vol. 193; p. 632.
- Peterson, Charles A. R. (See Sandberg and Peterson.)
- Peterson, Charles E., Brooklyn, N. Y., assignor to Michigan Motor Specialties Company, Detroit, Mich. Spark-plug. No. 1,052,170; Feb. 4; Gaz. vol. 187; p. 114.
- Peterson, Clarence A., Washington, D. C. Vibratory device. No. 1,082,285; Dec. 23; Gaz. vol. 197; p. 905.
- Peterson, Claus G. (See Redin, Andrew W., assignor.)
- Peterson, Emanuel, Wakefield, Mass. Sostenuto device for pianos. No. 1,077,428; Nov. 4; Gaz. vol. 196; p. 66.
- Peterson, Emil A. (See Garnett, James L., assignor.)
- Peterson, Frank. (See Grimes and Peterson.)
- Peterson, Frank, Leadville, Colo. Cream-separator. No. 1,063,059; May 27; Gaz. vol. 190; p. 960.
- Peterson, Frank O., Moorland, Iowa. Sanitary covering for seats. No. 1,051,909; Feb. 4; Gaz. vol. 187; p. 21.
- Peterson, Frederick W., Oakland, Cal. Speed-regulating pulley. No. 1,050,289; Jan. 14; Gaz. vol. 186; p. 363.
- Peterson, Fredolf, assignor to The American Case & Register Company, Salem, Ohio. Follow-block for document-files. No. 1,050,166; Jan. 14; Gaz. vol. 186; p. 321.
- Peterson, Fredolf J., assignor to The American Case & Register Company, Salem, Ohio. Credit-register. No. 1,051,002; Jan. 21; Gaz. vol. 186; p. 645.
- Peterson, Fredolf J., assignor to The American Case & Register Company, Salem, Ohio. Advertising device. No. 1,082,608; Dec. 30; Gaz. vol. 197; p. 1049.
- Peterson, George A., Oakland, Cal. Concrete-mixing machine. No. 1,051,003; Jan. 21; Gaz. vol. 186; p. 645.
- Peterson, Gustaf B., *et al.* (See Carlson, Carl A., assignor.)
- Peterson, Helga M., Chicago, Ill. Device for decorating chinaware. No. 1,060,022; Apr. 29; Gaz. vol. 189; p. 1059.
- Peterson, Jacob, Webster, S. D. Pipe jack or holder. No. 1,081,513; Dec. 16; Gaz. vol. 197; p. 616.
- Peterson, James, Price, Utah. Folding umbrella. No. 1,060,555; Apr. 29; Gaz. vol. 189; p. 1243.
- Peterson, Johann G., Hartford, Conn. Handle or button. No. 1,070,172; Aug. 12; Gaz. vol. 193; p. 403.
- Peterson, Johann G., Hartford, Conn. Snap-switch. No. 1,077,746; Nov. 4; Gaz. vol. 196; p. 173.
- Peterson, John A., Minneapolis, Minn. Monolithic concrete wall. No. 1,062,298; May 20; Gaz. vol. 190; p. 668.
- Peterson, John F., Cleveland, Ohio. Window-sash stop. No. 1,054,310; Feb. 25; Gaz. vol. 187; p. 954.
- Peterson, Lars A., Stockholm, Sweden. Change-speed gearing. No. 1,051,255; Jan. 21; Gaz. vol. 186; p. 729.
- Peterson, Lars M., Bingham Canyon, Utah. Door-lock. No. 1,071,460; Aug. 26; Gaz. vol. 193; p. 910.
- Peterson, Niels, Teton, Idaho. Pneumatic wheel. No. 1,060,854; May 6; Gaz. vol. 190; p. 101.
- Peterson, Olof, Alameda, Cal. Propeller. No. 1,063,726; June 3; Gaz. vol. 191; p. 193.
- Peterson, Otto J., Egli, Oreg. Propulsion means for vessels. No. 1,068,696; July 29; Gaz. vol. 192; p. 1097.
- Peterson, Paul, Hudson Heights, N. J. Ratchet-drill. No. 1,067,672; July 15; Gaz. vol. 192; p. 676.
- Peterson, Per A., Trenton, N. J., assignor to De Laval Steam Turbine Company, New York, N. Y. Centrifugal governor. No. 1,064,856; June 17; Gaz. vol. 191; p. 645.
- Peterson, Peter, San Francisco, Cal. Aerial navigation. No. 1,068,165; July 22; Gaz. vol. 192; p. 874.
- Peterson, Peter, San Francisco, Cal. Aerial navigation. No. 1,068,166; July 22; Gaz. vol. 192; p. 875.
- Peterson, Peter E., Butte, Mont. Ore-reducing furnace. No. 1,051,512; Jan. 28; Gaz. vol. 186; p. 850.
- Peterson, Peter G., Thief River Falls, Minn. Pail. No. 1,051,256; Jan. 21; Gaz. vol. 186; p. 730.
- Peterson, Raiford W., Santa Rosa, Cal. Cross-roller support. No. 1,069,719; Aug. 12; Gaz. vol. 193; p. 246.
- Peterson, Raiford W., Santa Rosa, Cal. Steering-gear. No. 1,069,720; Aug. 12; Gaz. vol. 193; p. 247.
- Peterson, Raiford W., Santa Rosa, Cal. Swivel traction-bar with frame and cross-supports. No. 1,069,721; Aug. 12; Gaz. vol. 193; p. 247.
- Peterson, Raiford W., Santa Rosa, Cal. Clutch control. No. 1,069,808; Aug. 12; Gaz. vol. 193; p. 278.
- Peterson, Tron O., assignor to Store Improvement Company, Inc., New York, N. Y. Device for exhibiting articles of merchandise. No. 1,060,787; May 6; Gaz. vol. 190; p. 76.

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- Petes, Charles N., Chicago, Ill. Horse-power recorder. No. 1,077,637; Nov. 4; Gaz. vol. 196; p. 136.
- Peticky, Josef, Königliche, Weinberge, near Prague, Austria-Hungary. Automatic telephone-exchange system. No. 1,053,864; Feb. 18; Gaz. vol. 187; p. 766.
- Petit, John F., Georgetown, Ill. Bed-warmer. No. 1,082,135; Dec. 23; Gaz. vol. 197; p. 851.
- Petrasek, William J. (See Vahl and Petrasek.)
- Petrella, Gulseppino. (See Sarro, Liverman, and Petrella.)
- Petri-Palmedo, David, Hoboken, N. J., assignor to Electric Compositor Company, New York, N. Y. Font-distinguishing mechanism. No. 1,066,942; July 8; Gaz. vol. 192; p. 391.
- Petri-Palmedo, David, Providence, R. I., assignor to Electric Compositor Company, New York, N. Y. Squirt-preventer mechanism for linotype-machines. No. 1,073,705; Sept. 23; Gaz. vol. 197; p. 796.
- Petri-Palmedo, David, Bridgeport, Conn., assignor to Electric Compositor Company, New York, N. Y. Trigger mechanism for key-operating machines. No. 1,080,579; Dec. 9; Gaz. vol. 197; p. 261.
- Petrie, Arthur. (See Lynch and Petrie.)
- Petrie, August, assignor to Milwaukee Stamping Company, West Allis, Wis. Bag-fastener. No. 1,082,476; Dec. 23; Gaz. vol. 197; p. 967.
- Petrie, John A., New Haven, Conn. Sand-pencil. No. 1,051,968; Feb. 4; Gaz. vol. 187; p. 42.
- Petrtsch, Joseph, Chicago Heights, Ill. Window-shade hanger. No. 1,068,394; July 22; Gaz. vol. 192; p. 954.
- Petro, John A., Lorain, Ohio. Faucet. No. 1,062,112; May 20; Gaz. vol. 190; p. 604.
- Petrocelli, Salvatore, Hartford, Conn. Toilet implement. No. 1,058,689; Apr. 8; Gaz. vol. 189; p. 488.
- Petroff, Grigori, Novo Girevo, Russia. Hydrolyzing fats and fatty oils into glycerin and fatty acids. No. 1,079,437; Nov. 25; Gaz. vol. 196; p. 848.
- Petroleum Iron Works Company, The. (See Mittinger, George E., Jr., assignor.)
- Petry, Nicholas A., Philadelphia, Pa. Sectional sash-weight. No. 1,076,698; Oct. 28; Gaz. vol. 195; p. 838.
- Petschauer, John, Chicago, Ill. Apparatus for treating wood. No. 1,062,550; May 20; Gaz. vol. 190; p. 748.
- Petsche, August C., Yonkers, N. Y. Filing-cabinet. No. 1,077,638; Nov. 4; Gaz. vol. 196; p. 137.
- Pettegrew, Ernest J., Wayside, Nebr. Metal railway-tie. No. 1,066,943; July 8; Gaz. vol. 192; p. 391.
- Pettegrew, Ernest J., Wayside, Nebr. Railway-rail fastener. No. 1,068,697; July 29; Gaz. vol. 192; p. 1097.
- Pettingill, George M., assignor to Haverhill Shoe Machinery Company, Haverhill, Mass. Heeling-machine. No. 1,051,820; Jan. 28; Gaz. vol. 186; p. 952.
- Petter, Adolph J., Los Angeles, Cal. Bathing apparatus. No. 1,059,314; Apr. 15; Gaz. vol. 189; p. 742.
- Pettersen, Benjamin, Ortonville, Minn. Dial-mounting. No. 1,059,203; Apr. 15; Gaz. vol. 189; p. 705.
- Pettersen, Kristian, Sarpsborg, Norway. Insulator with fuse. No. 1,059,903; Apr. 22; Gaz. vol. 189; p. 974.
- Petterson, Svante A., Eureka, Kans. Tongue-support. No. 1,049,597; Jan. 7; Gaz. vol. 186; p. 97.
- Pettibone, Esther D., Butte, Mont. Envelop-moistening device. No. 1,060,282; Apr. 29; Gaz. vol. 189; p. 1148.
- Pettibone, Hawley, New Rochelle, N. Y., assignor to The Power and Mining Machinery Company. Manufacturing gas. No. 1,063,382; June 3; Gaz. vol. 191; p. 72.
- Pettibone, James E., St. Louis, Mo. Film-pack. No. 1,081,770; Dec. 16; Gaz. vol. 197; p. 699.
- Pettibone, John C., assignor to C. Geider, Jr., Ansonia, Conn. Nail-clipper. No. 1,066,839; July 8; Gaz. vol. 192; p. 354.
- Pettibone Mulliken Co. (See Strom, Eugene N., assignor.)
- Pettigrew, John R. (See Gaffney and Pettigrew.)
- Pettigrew, Charles H., Hayes, England, assignor to The Goss Printing Press Company, Chicago, Ill. Plate-casting machine. No. 1,072,158; Sept. 2; Gaz. vol. 194; p. 168.
- Pettingell Machine Company. (See Knights, George L., assignor.)
- Pettis, Andrew, Vian, Okla. Cross-tie form. No. 1,061,946; May 13; Gaz. vol. 190; p. 506.
- Pettis, Clifton D., Chicago, Ill. Brake-shoe. No. 1,065,714; June 24; Gaz. vol. 191; p. 969.
- Pettis, Clifton D., Chicago, Ill. Brake-shoe. No. 1,065,715; June 24; Gaz. vol. 191; p. 969.
- Pettis, Clifton D., Chicago, Ill. Brake-shoe. No. 1,065,716; June 24; Gaz. vol. 191; p. 970.
- Pettis, Clifton D., Chicago, Ill. Brake-shoe. No. 1,065,717; June 24; Gaz. vol. 191; p. 970.
- Pettis, Clifton D., Chicago, Ill. Brake-shoe. No. 1,065,718; June 24; Gaz. vol. 191; p. 970.
- Pettis, Clifton D., Chicago, Ill. Brake-shoe. No. 1,065,719; June 24; Gaz. vol. 191; p. 970.
- Pettis, Clifton D., Chicago, Ill. Brake-shoe. No. 1,065,720; June 24; Gaz. vol. 191; p. 971.
- Pettis, Clifton D., Chicago, Ill. Brake-shoe. No. 1,065,721; June 24; Gaz. vol. 191; p. 971.
- Pettit, Fred H., Anthon, Okla. Corn-harvesting machine. No. 1,051,257; Jan. 21; Gaz. vol. 186; p. 730.
- Pettit, Horace, *et al.* (See Akers, Joseph G., assignor.)
- Pettit, Lafayette M., Cripple Creek, assignor of one-half to E. F. McCool, Victor, Colo. Apparatus for operating engines by water-pressure. No. 1,057,086; Mar. 25; Gaz. vol. 188; p. 925.
- Pettit, Lewis M., Penns Grove, N. J. Saw-set. No. 1,059,066; Apr. 15; Gaz. vol. 189; p. 658.
- Pettit, Lyman D., Everett, Wash., assignor to Pacific Lubricating Company. Lubricant for wheels. No. 1,081,059; Dec. 9; Gaz. vol. 197; p. 424.
- Petty, Amner N., assignor of one-half to H. C. Rossman, Chicago, Ill. Attachment for scales. No. 1,066,944; July 8; Gaz. vol. 192; p. 391.
- Petty, Wallace R., Price, Utah. Dirigible headlight for vehicles. No. 1,051,352; Jan. 21; Gaz. vol. 186; p. 762.
- Petzold, Charles G., Providence, R. I. Hand-threading shuttle. No. 1,062,251; May 20; Gaz. vol. 190; p. 652.
- Petzold, Max, Zittau, Germany. Treating textile fabrics. No. 1,058,459; Apr. 8; Gaz. vol. 189; p. 411.
- Pew, John G., and H. C. Cooper, Pittsburgh, Pa. Differential-pressure recorder. No. 1,058,092; Apr. 8; Gaz. vol. 189; p. 282.
- Pezzaglia, Joseph B., assignor of one-half to J. M. Sullivan, Rio Vista, Cal. Automatic film-threader for motion-picture machines. No. 1,051,630; Jan. 28; Gaz. vol. 186; p. 890.
- Pfaff, Rudolf H., Ashtabula, Ohio. Vehicle top-support. No. 1,050,167; Jan. 14; Gaz. vol. 186; p. 322.
- Pfaff, Rudolf H., Ashtabula, Ohio. Vehicle top-support. No. 1,050,168; Jan. 14; Gaz. vol. 186; p. 322.
- Pfahler, William Q., Toledo, Ohio. Automobile lamp attachment. No. 1,076,699; Oct. 28; Gaz. vol. 195; p. 838.
- Pfander, Walter F., assignor to Durant-Dort Carriage Company, Flint, Mich. Motor and transmission supporting frame for motor-vehicles. No. 1,057,498; Apr. 1; Gaz. vol. 189; p. 35.
- Pfanne, Carl A. G., Hoboken, N. J. Machine for tooling lithographic surfaces. No. 1,052,011; Feb. 4; Gaz. vol. 187; p. 57.
- Pfanschmidt, Charles, assignor to Theo. A. Kochs Company, Chicago, Ill. Manicure apparatus. No. 1,065,966; July 1; Gaz. vol. 192; p. 22.
- Pfanstiehl, Carl A., North Chicago, Ill. Electric stove. No. 1,062,299; May 20; Gaz. vol. 190; p. 668.
- Pfeffer, Maximilian, Vienna, Austria-Hungary, assignor to General Electric Company. Voltage-regulator. No. 1,054,937; Mar. 4; Gaz. vol. 188; p. 96.
- Pfeifer, Ferdinand A., Springfield, Ohio. Variable-speed power-transmission device. No. 1,067,487; July 15; Gaz. vol. 192; p. 612.
- Pfeifer, Frank, Excelsior, assignor to Minneapolis Gas Machine Company, Minneapolis, Minn. Weight-motor. No. 1,050,231; Jan. 14; Gaz. vol. 186; p. 343.
- Pfeifer, William, Jersey City, N. J. Clip for fastening roof-sheets. No. 1,062,355; May 20; Gaz. vol. 190; p. 686.
- Pfeiffer, George S., Chicago, Ill. Mounting for rimless spectacles and eyeglasses. No. 1,072,159; Sept. 2; Gaz. vol. 194; p. 168.
- Pfeiffer, Jacob, Akron, Ohio, assignor to Miller Rubber Company. Nipple for nursing-bottles. No. 1,081,464; Dec. 16; Gaz. vol. 197; p. 599.
- Pfeiffer, Otto G., assignor to Utahna Development Company, Salt Lake City, Utah. Wringer-gearing for washing-machines. No. 1,082,551; Dec. 30; Gaz. vol. 197; p. 1028.
- Pfeiffer, William, Walla Walla, Wash. Toy balloon. No. 1,051,004; Jan. 21; Gaz. vol. 186; p. 646.
- Pfeil, Grace, Chicago, Ill. Sanitary protector. No. 1,067,841; July 22; Gaz. vol. 192; p. 765.
- Pfeil, Robert, Grunewald, near Berlin, assignor to Siemens & Halske, A. G., Berlin, Germany. Switch-yard for gravity systems. No. 1,067,544; July 15; Gaz. vol. 192; p. 631.
- Pfenninger, Otto, Brighton, England. Apparatus for color photography. No. 1,066,526; July 8; Gaz. vol. 192; p. 246.
- Pfel, Josef E., Vienna, Austria-Hungary, assignor to Firm of F. J. Schreyer, Bremen, Germany. Manufacture of cellulose from wood, wood-chips, straw, reed, and like materials. No. 1,058,898; Apr. 15; Gaz. vol. 189; p. 600.
- Pfle, William, Freeport, Ill. Manure-loader. No. 1,070,065; Aug. 12; Gaz. vol. 193; p. 364.
- Pfister, Frank E. (See Dreger and Pfister.)
- Pfister, Jacob, Rochelle Park, N. J. Pipe-cleaner. No. 1,057,771; Apr. 1; Gaz. vol. 189; p. 128.
- Pfager, Harry M. (See Howard and Pfager.)
- Pfager, Harry M. (See Shallenberger and Pfager.)
- Pfager, Harry M., St. Louis, Mo. Locomotive-tender frame. No. 1,078,638; Nov. 18; Gaz. vol. 196; p. 543.
- Pfager, Harry M., assignor to Double Body Bolster Company, St. Louis, Mo. Car end frame. No. 1,049,762; Jan. 7; Gaz. vol. 186; p. 151.
- Pfager, Harry M., assignor to Double Body Bolster Company, St. Louis, Mo. Car end frame. No. 1,054,938; Mar. 4; Gaz. vol. 188; p. 96.
- Pfager, Harry M., assignor to Double Body Bolster Company, St. Louis, Mo. Car-frame construction. No. 1,056,445; Mar. 18; Gaz. vol. 188; p. 674.

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- Pfager, Harry M., assignor to Double Body Bolster Company, St. Louis, Mo. Car-truck. No. 1,068,529; July 29; Gaz. vol. 192; p. 1038.
- Pfager, Harry M., assignor to Double Body Bolster Company, St. Louis, Mo. Car-truck. No. 1,072,645; Sept. 9; Gaz. vol. 194; p. 361.
- Pfager, Harry M., assignor to Double Body Bolster Company, St. Louis, Mo. Car end frame. No. 1,072,646; Sept. 9; Gaz. vol. 194; p. 362.
- Pfager, Harry M., assignor to Double Body Bolster Company, St. Louis, Mo. Car end frame. No. 1,073,706; Sept. 23; Gaz. vol. 194; p. 796.
- Pfager, Harry M., assignor to Double Body Bolster Company, St. Louis, Mo. Car-frame construction. No. 1,080,163; Dec. 2; Gaz. vol. 197; p. 86.
- Pfager, Harry M., assignor to Transom Draft Gear Company, St. Louis, Mo. Transom draft-gear. No. 1,065,625; June 24; Gaz. vol. 191; p. 938.
- Pfager, Harry M., assignor to Transom Draft Gear Company, St. Louis, Mo. Railway-car underframe. No. 1,066,840; July 8; Gaz. vol. 192; p. 354.
- Pfeider, Eugene C., West Orange, N. J. Motor-cycle engine-support. No. 1,078,308; Nov. 11; Gaz. vol. 196; p. 400.
- Pfeumer, Fritz, Dresden, Germany. Manufacturing vulcanized froth. (Reissue.) No. 13,667; Dec. 30; Gaz. vol. 197; p. 1270.
- Pflugbeil & Co., Carl. (See Kiko, Ferdinand, assignor.)
- Pfouts, Leroy S., Canton, Ohio. Motor-vehicle. No. 1,059,562; Apr. 22; Gaz. vol. 189; p. 864.
- Pfouts, Leroy S., Canton, Ohio. Vehicle-tire. No. 1,064,766; June 17; Gaz. vol. 191; p. 617.
- Pfouts, Leroy S., assignor to The Ney Manufacturing Company, Canton, Ohio. Hay-carrier. No. 1,069,722; Aug. 12; Gaz. vol. 193; p. 247.
- Pfouts, Leroy S., assignor to The Miller Pasteurizing Machine Company, Canton, Ohio. Pasteurizing apparatus. No. 1,076,604; Oct. 21; Gaz. vol. 195; p. 751.
- Pfund, Richard, New York, N. Y. Wireless duplex system. No. 1,076,312; Oct. 21; Gaz. vol. 195; p. 648.
- Phalen, Daniel J., Mason City, Iowa. Emergency draw-bar. No. 1,075,437; Oct. 14; Gaz. vol. 195; p. 320.
- Pharo, James E., and W. S. Benjamin, Seattle, Wash. Fish-trap. No. 1,062,849; May 27; Gaz. vol. 190; p. 891.
- Pharo, John F., Thetford Mines, Quebec, Canada. Ore-breaker. No. 1,058,789; Apr. 15; Gaz. vol. 189; p. 560.
- Pharo, Timothy F., Tuckerton, N. J. Water-agitator. No. 1,055,980; Mar. 11; Gaz. vol. 188; p. 481.
- Phells, John W., Toledo, Ohio. Garbage holder and strainer. No. 1,053,865; Feb. 18; Gaz. vol. 187; p. 766.
- Phelan, Bryan, London, England. Safety wheel or support for velocipedes. No. 1,054,237; Feb. 25; Gaz. vol. 187; p. 932.
- Phelan, John M., assignor to Reinforced Concrete Pipe Company, Jackson, Mich. Sewer-pipe joint. No. 1,057,267; Mar. 25; Gaz. vol. 188; p. 987.
- Phelan, William L., New York, N. Y. Tie. No. 1,082,470; Dec. 23; Gaz. vol. 197; p. 965.
- Phelps, Bessie M. A., Jackson, assignor to L. A. Young, Detroit, Mich. Spring-cushion. No. 1,067,193; July 8; Gaz. vol. 192; p. 475.
- Phelps, Clarence A. (See Kraus and Phelps.)
- Phelps, Edwin S., Elizabeth, N. J. Burglar guard and alarm. No. 1,071,337; Aug. 26; Gaz. vol. 193; p. 870.
- Phelps, Joseph. (See Farnham, Smith, and Phelps.)
- Phelps, Lewis H. (See Hildenbrand, Henry, assignor.)
- Phelps, Meritt L., Colorado City, Colo. Anti-rail-creeping device. No. 1,063,060; May 27; Gaz. vol. 190; p. 960.
- Phelps, Sebring I., Buchanan, Mich. Time-switch. No. 1,073,707; Sept. 23; Gaz. vol. 194; p. 797.
- Phelps, Silverwood, Miller, assignor of one-half to J. W. Niewkirk, Gary, Ind. Dinner-pail. No. 1,069,462; Aug. 5; Gaz. vol. 193; p. 131.
- Phelps, Susan S., Hominy, Okla. Meat-tenderer. No. 1,067,673; July 15; Gaz. vol. 192; p. 676.
- Phelps, Walter J., Baltimore, Md., assignor of one-half to F. Gebbie, Rochester, N. Y. Can. No. 1,049,763; Jan. 7; Gaz. vol. 186; p. 152.
- Phelps, Walter J., Baltimore, Md. Blank-feeding mechanism for can-body machines. No. 1,058,258; Apr. 8; Gaz. vol. 189; p. 340.
- Phelps, Walter J., Baltimore, Md., assignor of one-half to F. Gebbie, Rochester, N. Y. Can-filling machine. No. 1,054,610; Feb. 25; Gaz. vol. 187; p. 1057.
- Phelps, Walter J., Baltimore, Md., assignor of one-half to F. Gebbie, Rochester, N. Y. Can-filling machine. No. 1,058,093; Apr. 8; Gaz. vol. 189; p. 283.
- Phelps, Walter J., Baltimore, Md., assignor of one-half to F. Gebbie, Rochester, N. Y. Can-filling apparatus. No. 1,058,094; Apr. 8; Gaz. vol. 189; p. 283.
- Phelps, Walter J., Baltimore, Md., assignor of one-half to F. Gebbie, Rochester, N. Y. Can-filling apparatus. No. 1,058,095; Apr. 8; Gaz. vol. 189; p. 284.
- Phelps, Walter J., Baltimore, Md., assignor of one-half to F. Gebbie, Rochester, N. Y. Can-filling machine. No. 1,058,096; Apr. 8; Gaz. vol. 189; p. 285.
- Phelps, Walter J., Baltimore, Md., assignor of one-half to F. Gebbie, Rochester, N. Y. Can-filling machine. No. 1,058,097; Apr. 8; Gaz. vol. 189; p. 285.
- Philadelphia Drying Machinery Company, The. (See Allsop, Thomas, assignor.)
- Philadelphia Drying Machinery Company, The. (See Allsop and Sibson, assignors.)
- Philadelphia Drying Machinery Company, The. (See Parkes, Bertrand A., assignor.)
- Philadelphia Drying Machinery Company, The. (See Sibson and Allsop, assignors.)
- Philadelphia Drying Machinery Company, The. (See Sibson and Parkes, assignors.)
- Philadelphia Hardware & Malleable Iron Works. (See Buehler, Rudolph, assignor.)
- Philadelphia Pile Fabric Mills. (See Steiner, Richard J., assignor.)
- Philadelphia Storage Battery Company. (See Skinner, James M., assignor.)
- Philadelphia Textile Machinery Company, The. (See Ayres, Elwood B., assignor.)
- Philadelphia Textile Machinery Company, The. (See Kukkuck, Frederick, assignor.)
- Philadelphia Textile Machinery Company, The. (See Schwartz, Walter M., assignor.)
- Philadelphia Textile Machinery Company, The. (See Schwartz and Coulston, assignors.)
- Philbin, Thomas, and W. M. Monahan, assignors of one-fourth to F. J. Monahan and one-fourth to W. Mahoney, Paris, Tenn. Hub-liner for locomotive-wheels. No. 1,070,983; Aug. 19; Gaz. vol. 193; p. 715.
- Philblade, Eric R., Fall River, Mass. Paper-feed-controlling apparatus for piano-players. No. 1,081,913; Dec. 16; Gaz. vol. 197; p. 747.
- Philblade, Eric R., assignor to E. Coté, Fall River, Mass. Safety device for player-pianos. No. 1,068,167; July 22; Gaz. vol. 192; p. 875.
- Philblade, Eric R., assignor to E. Cote, Fall River, Mass. Player-piano. No. 1,075,853; Oct. 14; Gaz. vol. 195; p. 462.
- Philbrook, Horace W., et al., administrators. (See Gow, John.)
- Philbrook, Joshua M., Beach, Wash. Stump-puller. No. 1,050,749; Jan. 14; Gaz. vol. 186; p. 519.
- Philip Carey Manufacturing Company, The. (See Pater, Carl J., assignor.)
- Philipcik, John, Jr., New Canaan, Conn. Foot-warmer. No. 1,062,925; May 27; Gaz. vol. 190; p. 916.
- Philippi, Theodore F., East St. Louis, Ill. Swing-frame grinder. No. 1,052,844; Feb. 11; Gaz. vol. 187; p. 374.
- Philippi, Theodore F., East St. Louis, Ill. Swing-frame grinder. No. 1,055,075; Mar. 4; Gaz. vol. 188; p. 144.
- Phillips, August, Frankfort-on-the-Main, Germany. Pneumatically-actuated musical instrument. No. 1,080,164; Dec. 2; Gaz. vol. 197; p. 86.
- Phillips, Edwin S., Kennett Square, Pa., assignor to American Road Machine Company. Road-scraper. No. 1,072,160; Sept. 2; Gaz. vol. 194; p. 169.
- Philipson, Percy C. (See Philipson, William, T. W. H., and P. C.)
- Philipson, Thomas W. H. (See Philipson, William, T. W. H., and P. C.)
- Philipson, William, T. W. H., and P. C., Bolton, England. Apparatus for stretching fabrics. No. 1,068,005; July 22; Gaz. vol. 192; p. 820.
- Philipson, William, T. W. H., and P. C., Bolton, England. Life-guard for tram-cars and other vehicles. No. 1,068,363; July 22; Gaz. vol. 192; p. 944.
- Philippi, Frank A., assignor of one-third to W. H. Reifsnnyder and one-third to R. Keller, Pottstown, Pa. Beer-cooler. No. 1,062,727; May 27; Gaz. vol. 190; p. 849.
- Phillips, Alfred D., et al. (See Phillips, William R., assignor.)
- Phillips, Arthur P., Haverhill, assignor to Crosby Steam Gage and Valve Company, Boston, Mass. Pressure-recording gage. No. 1,072,161; Sept. 2; Gaz. vol. 194; p. 169.
- Phillips, Austave P., Atlanta, Ga. Footstool. No. 1,052,750; Feb. 11; Gaz. vol. 187; p. 339.
- Phillips, Benjamin. (See Dorsey, Farnum F., assignor.)
- Phillips, Byron B., Gouldsboro, Pa. Conveyor for handling ice, &c. No. 1,072,985; Sept. 9; Gaz. vol. 194; p. 485.
- Phillips, Carroll, Tahoka, Tex. Railway-switch-operating means. No. 1,076,313; Oct. 21; Gaz. vol. 195; p. 648.
- Phillips, Charles, Louisville, Ky. Apparatus for firing barrels. No. 1,052,512; Feb. 11; Gaz. vol. 187; p. 361.
- Phillips, Charles G., Los Angeles, Cal. Advertising hat-rack. No. 1,056,934; Mar. 25; Gaz. vol. 188; p. 873.
- Phillips, Charles H., assignor of one-third to W. N. Wetterau, Poughkeepsie, N. Y. Headlight-controlling device. No. 1,053,866; Feb. 18; Gaz. vol. 187; p. 767.
- Phillips, Charles R., assignor of one-half to E. D. Farmer, Richmond, Va. Telephone attachment. No. 1,055,555; Mar. 11; Gaz. vol. 188; p. 338.
- Phillips, Daniel, Duquesne, Pa. Pilot and guide-staff for automobiles. No. 1,057,268; Mar. 25; Gaz. vol. 188; p. 988.
- Phillips, Darius T., Chicago, Ill. Agricultural pulverizer. No. 1,075,493; Oct. 14; Gaz. vol. 195; p. 340.

Alphabetical list of patentees—Continued.

- Phillips, Elmer, Atlantic City, N. J. Nose-bag. No. 1,065,268; June 17; Gaz. vol. 191; p. 778.
- Phillips, Elwood C., and T. Rhodus, Chicago, Ill., assignors to Phillips Telegraph Instrument Company, Phoenix, Ariz. Telegraph-transmitter. No. 1,064,373; June 10; Gaz. vol. 191; p. 446.
- Phillips, Errett E., New Castle, Pa. Motor-driven lawnmower. No. 1,060,283; Apr. 29; Gaz. vol. 189; p. 1148.
- Phillips, Eugene R., East Providence, R. I. Automatic magnet-winding machine. No. 1,057,008; Mar. 25; Gaz. vol. 188; p. 898.
- Phillips, Eugene R., Phillipsdale, R. I. Winding-machine. No. 1,061,947; May 13; Gaz. vol. 190; p. 507.
- Phillips, Francis V., Orlando, Fla. Saw-guard. No. 1,074,198; Sept. 30; Gaz. vol. 194; p. 989.
- Phillips, Francis V., Orlando, Fla. Automobile wheel help. No. 1,075,377; Oct. 14; Gaz. vol. 195; p. 300.
- Phillips, Francis V., Orlando, Fla. Machine for cutting grooves in door and window stiles. No. 1,076,781; Oct. 28; Gaz. vol. 195; p. 867.
- Phillips, Fred A. (See Schock, Frank J., assignor.)
- Phillips, George B., Chester, assignor to The Baldwin Locomotive Works, Philadelphia, Pa. Locomotive-boiler. No. 1,067,674; July 15; Gaz. vol. 192; p. 676.
- Phillips, Harry, Randfontein, Transvaal, South Africa. Safety device for elevators. No. 1,080,846; Dec. 9; Gaz. vol. 197; p. 356.
- Phillips, Harry L., Waterbury, Conn. Button-fastener. No. 1,069,171; Aug. 5; Gaz. vol. 193; p. 29.
- Phillips, Hilman D., *et al.* (See Kistler, John T., assignor.)
- Phillips, Hollister M., and N. Folkedal, Galesville; said Folkedal assignor to A. J. Henderson, La Crosse, Wis. Cement-block-molding machine. No. 1,052,688; Feb. 11; Gaz. vol. 187; p. 320.
- Phillips, Horace B., Fairmont, N. C. Still. No. 1,076,389; Oct. 21; Gaz. vol. 195; p. 674.
- Phillips, John E. (See Park and Phillips.)
- Phillips, John F., *et al.* (See Martin, William A., assignor.)
- Phillips, John G. (See Marsh and Phillips.)
- Phillips, John H., Oklahoma, Okla. Spring-hammer. No. 1,053,744; Feb. 18; Gaz. vol. 187; p. 728.
- Phillips, John W., Chicago, Ill. Device for cleaning silverware. No. 1,071,338; Aug. 26; Gaz. vol. 193; p. 870.
- Phillips, Joseph B., and J. A. Kaplan, Zanesville, Ohio. Furnace door or damper. No. 1,068,925; July 29; Gaz. vol. 192; p. 1179.
- Phillips, Joseph E., York, Pa. Reeling-machine. No. 1,066,143; July 1; Gaz. vol. 192; p. 84.
- Phillips, Julia C., New York, N. Y. Wardrobe attachment for beds. No. 1,053,640; Feb. 18; Gaz. vol. 187; p. 691.
- Phillips Manufacturing Company. (See Chappell, Thomas E., assignor.)
- Phillips, Marcus, Chicago, Ill. Catamaran-propelling mechanism. No. 1,056,296; Mar. 18; Gaz. vol. 188; p. 623.
- Phillips, Mark J., Webster, S. D. Road-grader. No. 1,079,579; Nov. 25; Gaz. vol. 196; p. 899.
- Phillips, Martin N., Elizabethtown, Ky. Hydrant. No. 1,062,356; May 20; Gaz. vol. 190; p. 686.
- Phillips, Otis B., Carbondale, Ill. Coin-controlled machine. No. 1,077,747; Nov. 4; Gaz. vol. 196; p. 173.
- Phillips, Paul, Allenville, Ill. Separable fastener. No. 1,068,530; July 29; Gaz. vol. 192; p. 1039.
- Phillips, Samuel S., San Francisco, Cal. Cheese-cabinet. No. 1,054,311; Feb. 25; Gaz. vol. 187; p. 954.
- Phillips Telegraph Instrument Company. (See Phillips and Rhodus, assignors.)
- Phillips, Thomas H., Jr., New York, N. Y. Automatic reversing mechanism. No. 1,077,748; Nov. 4; Gaz. vol. 196; p. 174.
- Phillips, Thomas W. S., Mount Vernon, assignor to Geo. Borgfeldt & Co., New York, N. Y. Package. No. 1,060,626; May 6; Gaz. vol. 190; p. 21.
- Phillips, William E., *et al.* (See Lewis, John T., assignor.)
- Phillips, William R., Portland, Oreg. Concrete-pile-forming means. No. 1,063,942; June 3; Gaz. vol. 191; p. 265.
- Phillips, William R., Portland, Oreg. Hydraulic ram. No. 1,069,285; Aug. 5; Gaz. vol. 193; p. 69.
- Phillips, William R., Crafton, Pa., assignor of one-third to A. D. Phillips, Cincinnati, Ohio, and one-third to J. L. Adams, Coraopolis, Pa. Window. No. 1,062,794; May 27; Gaz. vol. 190; p. 872.
- Phillips, William T., and J. Shelton, Florence, Ala. Folding chicken-coop. No. 1,066,418; July 1; Gaz. vol. 192; p. 178.
- Phillips, Winfield B., Fenton, Mich. Filing-cabinet. No. 1,058,098; Apr. 8; Gaz. vol. 189; p. 286.
- Phillips, Winfield B., Fenton, Mich. Window-screen. No. 1,071,339; Aug. 26; Gaz. vol. 193; p. 870.
- Philo, Edgar W., Elmira, N. Y. Metallic fireless brooder. No. 1,083,028; Dec. 30; Gaz. vol. 197; p. 1193.
- Philo, Edgar W., Elmira, N. Y. Poultry-coop. No. 1,083,029; Dec. 30; Gaz. vol. 197; p. 1193.
- Philp, Frank, and G. Kemp, Port Arthur, and W. H. Gibbons, London, Ontario, Canada. Electric heater. No. 1,082,168; Dec. 23; Gaz. vol. 197; p. 861.
- Philp, Frederick D., Scranton, Pa. Umbrella. No. 1,049,764; Jan. 7; Gaz. vol. 186; p. 152.
- Phinney Engineering Co., The. (See Thompson, Dewey C., assignor.)
- Phinney Engineering Company, The. (See Phinney, William B., assignor.)
- Phinney, William B., assignor to The Phinney Engineering Company, Chillicothe, Ohio. Bean-snipping machine. No. 1,062,663; May 27; Gaz. vol. 190; p. 830.
- Phinney, William B., assignor to The Phinney Engineering Company, Chillicothe, Ohio. Bean-snipper. No. 1,076,225; Oct. 21; Gaz. vol. 195; p. 617.
- Phipps, Edward L., Detroit, assignor of one-half to W. B. Anderson, Pontiac, Mich. Street letter-box. No. 1,065,078; June 17; Gaz. vol. 191; p. 717.
- Phipps, John H., assignor of one-half to J. A. Hines, Wickliffe, Ky. Nut-lock. No. 1,082,211; Dec. 23; Gaz. vol. 197; p. 877.
- Phoenix Glass Company. (See Motz, Charles F., assignor.)
- Phoenix Iron Company, The, *et al.* (See Maccallum, Norman E., assignor.)
- Phoenix Silk Manufacturing Company, The. (See Cardot, Evan, assignor.)
- Phone Call Recorder Company. (See Richey, Charles V., assignor.)
- Phönix-Werk G. m. b. H. Specialfabrik moderner Trockenapparate. (See Meister, Richard, assignor.)
- Phuller, Ernest. (See Strasburg and Thomas, assignors.)
- Piagneri, Umberto, San Francisco, Cal. Spaceband-chute. No. 1,064,247; June 10; Gaz. vol. 191; p. 403.
- Piaszek, Ferdinand, Saginaw, Mich. Lamp structure. No. 1,064,534; June 10; Gaz. vol. 191; p. 502.
- Platt, William M., West Liberty, Ohio. Corn-harvester. No. 1,067,059; July 8; Gaz. vol. 192; p. 428.
- Piburn, John H., Randolph, Mo. Automatic lubricator. No. 1,064,374; June 10; Gaz. vol. 191; p. 447.
- Picard, Alphonse A., New York, N. Y. Wheel-tire. No. 1,071,953; Sept. 2; Gaz. vol. 194; p. 97.
- Piccone, Gimi, and S. Lippis, Chandler, Colo. Drilling-machine. No. 1,072,256; Sept. 2; Gaz. vol. 194; p. 198.
- Pichler, Stephan, Brooklyn, N. Y. Scaffold. No. 1,073,925; Sept. 23; Gaz. vol. 194; p. 869.
- Pichon, Paul F. (See Schloemilch and Pichon.)
- Pick, Alfred, New York, N. Y., assignor to E. N. Breitung, Marquette, Mich. Subterranean heater. No. 1,082,971; Dec. 30; Gaz. vol. 197; p. 1175.
- Pick, Henry V., assignor to B. Noonan, New York, N. Y. Bottle-closure. No. 1,080,366; Dec. 2; Gaz. vol. 197; p. 158.
- Pickard, Alfred L., assignor of one-half to C. A. Hunt, Jr., Lexington, N. C. Traverse mechanism for spinning-machines. No. 1,061,687; May 13; Gaz. vol. 190; p. 423.
- Pickard, Arthur G., Altrincham, England. Photographic camera. No. 1,061,115; May 6; Gaz. vol. 190; p. 190.
- Pickard, Arthur G., Altrincham, England. Shutter for photographic cameras. No. 1,077,157; Oct. 28; Gaz. vol. 195; p. 993.
- Pickard, Greenleaf W., Amesbury, Mass., assignor to Wireless Specialty Apparatus Company, New York, N. Y. Electrical conduction system for communicating electrical energy. No. 1,051,443; Jan. 28; Gaz. vol. 186; p. 827.
- Pickard, Orson L., Columbus, Ohio. Automobile wheel-rim. No. 1,080,580; Dec. 9; Gaz. vol. 197; p. 262.
- Picker, David V. (See Steinberg and Picker.)
- Pickerill, Elmo N., New York, N. Y., assignor, by mesne assignments, to Marconi Wireless Telegraph Company of America. Breaking means for radiotelegraphy. No. 1,073,624; Sept. 23; Gaz. vol. 194; p. 764.
- Pickering, Samuel H., Norristown, Pa. Gun-stock. No. 1,063,061; May 27; Gaz. vol. 190; p. 960.
- Pickering, Walter T., Edmond, Kans. Vehicle attachment. No. 1,071,084; Aug. 26; Gaz. vol. 193; p. 785.
- Pickert, Gustav. (See Slesazek, Paul, assignor.)
- Pickett, Thornton F. (See Queen and Pickett.)
- Pickett, William L., Bridgeport, Conn. Automatic control for air-compressors. No. 1,052,619; Feb. 11; Gaz. vol. 187; p. 297.
- Pickles, Charles K., assignor to U. R. Grant, San Francisco, Cal. Antiseptic toilet-seat and cover. No. 1,051,631; Jan. 28; Gaz. vol. 186; p. 890.
- Pickles, James S., Spokane, Wash. Wood-trimmer. No. 1,080,122; Dec. 2; Gaz. vol. 197; p. 72.
- Pickop, George B. (See Zeiser and Pickop.)
- Picone, Frank, Tombstone, Ariz. Ore-concentrator. No. 1,076,700; Oct. 28; Gaz. vol. 195; p. 839.
- Picot, Germain F., Paris, France. Safety device for gas-supply apparatus. No. 1,078,163; Nov. 11; Gaz. vol. 196; p. 348.
- Picturegraph Company. (See Proctor, Barton A., assignor.)
- Piechocinski, Victor M., New York, N. Y. Station-indicator. No. 1,074,457; Sept. 30; Gaz. vol. 194; p. 1075.
- Piekarski, Frank A. (See Siemyski, Adam, assignor.)
- Piel, Arthur, New York, N. Y. Muffler cut-out. No. 1,065,391; June 24; Gaz. vol. 191; p. 858.

Alphabetical list of patentees—Continued.

- Piel, Arthur, New York, N. Y. Muffler cut-out. No. 1,065,467; June 24; Gaz. vol. 191; p. 885.
- Pielert, John H., Bengies, Md. Bed-bottom. No. 1,062,499; May 20; Gaz. vol. 190; p. 734.
- Pielock, Eduard, Berlin, Germany. Steam-generator. No. 1,082,136; Dec. 23; Gaz. vol. 197; p. 851.
- Pieper, Alphonse F., Rochester, N. Y. Extensible bracket. No. 1,070,524; Aug. 19; Gaz. vol. 193; p. 565.
- Pieper, Alphonse F., Rochester, N. Y. Counterpoised bracket. No. 1,070,525; Aug. 19; Gaz. vol. 193; p. 566.
- Pieper, Ernest O., San Jose, Cal. Dental flask. No. 1,068,698; July 29; Gaz. vol. 192; p. 1097.
- Pieper, Henri, Liege, Belgium. Electromechanical propulsion system for trains. No. 1,056,119; Mar. 18; Gaz. vol. 188; p. 563.
- Pieper, Henri, Liege, Belgium. Motor-vehicle. No. 1,058,899; Apr. 15; Gaz. vol. 189; p. 600.
- Pieper, Henri, Liege, Belgium. Electromechanical system for the propulsion of automobiles. No. 1,062,551; May 20; Gaz. vol. 190; p. 749.
- Pieper, Oscar H., Rochester, N. Y. Electric motor. No. 1,050,750; Jan. 14; Gaz. vol. 186; p. 519.
- Pieper, Oscar H., Rochester, N. Y. Bracket-support for dental engines. No. 1,054,028; Feb. 25; Gaz. vol. 187; p. 859.
- Piegras, Herman J., Caldwell, Idaho. Safety attachment for elevators. No. 1,081,771; Dec. 16; Gaz. vol. 197; p. 700.
- Pierce-Arrow Motor Car Company, The. (See Fergusson and Way, assignors.)
- Pierce, Charles A. (See Pierce, William S., assignor.)
- Pierce, Charles E., Cambridge, Mass. Set-screw guard. No. 1,066,841; July 8; Gaz. vol. 192; p. 355.
- Pierce, Charles S., Brockton, Mass. Shoe-form. No. 1,078,554; Nov. 11; Gaz. vol. 196; p. 482.
- Pierce, Franklin A., Wheeling, W. Va. Train control and signal system for double-track railways. No. 1,082,095; Dec. 23; Gaz. vol. 197; p. 839.
- Pierce, Frederic E. (See Sinn and Pierce.)
- Pierce, George A., Philadelphia, Pa. Wiring for electric-call-bell circuits. No. 1,067,194; July 8; Gaz. vol. 192; p. 475.
- Pierce, George L., and N. Provencher, Manchester, N. H., assignors to L. T. Houghton, Worcester, Mass. Thread-guide for spinning-machines. No. 1,061,007; May 6; Gaz. vol. 190; p. 155.
- Pierce, Guy C., assignor to California Valve and Air Brake Company, Los Angeles, Cal. Means for forming and supporting diaphragms. No. 1,062,300; May 20; Gaz. vol. 190; p. 668.
- Pierce, Harry M., assignor to E. I. du Pont de Nemours Powder Company, Wilmington, Del. Cartridge-loading machine. No. 1,082,137; Dec. 23; Gaz. vol. 197; p. 852.
- Pierce, John D., assignor to Monarch Metal Weather Strip Company, St. Louis, Mo. Weather-strip. No. 1,049,392; Jan. 7; Gaz. vol. 186; p. 26.
- Pierce, Joseph H., Chicago, Ill. Corn-husker. No. 1,077,230; Oct. 28; Gaz. vol. 195; p. 1017.
- Pierce, Joseph N., Chicago, Ill., and F. L. R. Francisco, Jersey City, N. J. Distributing-canopy for electric wiring. No. 1,053,745; Feb. 18; Gaz. vol. 187; p. 728.
- Pierce, Kirk D., Hillsboro, N. H. Bed attachment. No. 1,067,060; July 8; Gaz. vol. 192; p. 429.
- Pierce, Leon, assignor to The Underpinning & Foundation Co., New York, N. Y. Apparatus for forming concrete caps on piles. No. 1,072,491; Sept. 9; Gaz. vol. 194; p. 308.
- Pierce, Lonnie J., assignor to Window Glass Machine Company, Pittsburgh, Pa. Electric switch. No. 1,062,185; May 20; Gaz. vol. 190; p. 629.
- Pierce, Paul P., Castile, N. Y. Turbine. No. 1,058,790; Apr. 15; Gaz. vol. 189; p. 560.
- Pierce, Robert C., assignor to The Toledo Electric Welder Company, Cincinnati, Ohio. Electric welding-machine. No. 1,059,390; Apr. 22; Gaz. vol. 189; p. 805.
- Pierce, Robert C., assignor to The Toledo Electric Welder Company, Cincinnati, Ohio. Control means for electric switches. No. 1,062,728; May 27; Gaz. vol. 190; p. 850.
- Pierce, Robert C., assignor to The Toledo Electric Welder Company, Cincinnati, Ohio. Work-table for electric welding-machines. No. 1,078,639; Nov. 18; Gaz. vol. 196; p. 544.
- Pierce, Simeon F., assignor, by mesne assignments, to Cream Cone Machine Company, St. Paul, Minn. Trimmer for pastry cones. No. 1,062,028; May 20; Gaz. vol. 190; p. 575.
- Pierce, William J., Eureka, Cal. Bed-caster. No. 1,063,727; June 3; Gaz. vol. 191; p. 194.
- Pierce, William R., Chicago, Ill. Shoe-shining machine. No. 1,049,393; Jan. 7; Gaz. vol. 186; p. 26.
- Pierce, William S., assignor of one-half to C. A. Pierce, Franklin, Pa. Packing for wells. No. 1,050,689; Jan. 14; Gaz. vol. 186; p. 499.
- Piercy, Edgar E., administrator. (See Piercy, John H.)
- Piercy, John H., deceased; E. E. Piercy, administrator, Highlandtown, Md. Loading device. No. 1,079,718; Nov. 25; Gaz. vol. 196; p. 946.
- Pierpont, Frank H., Horley, county of Surrey, England, assignor to Lanston Monotype Machine Company, Philadelphia, Pa. Matrix gaging and sorting mechanism. No. 1,061,558; May 13; Gaz. vol. 190; p. 379.
- Pierpont, Frank H., Horley, county of Surrey, England, assignor to Lanston Monotype Machine Company, Philadelphia, Pa. Type-casting machine. No. 1,061,559; May 13; Gaz. vol. 190; p. 379.
- Pierpont, Frank H., Horley, county of Surrey, England, assignor to Lanston Monotype Machine Company, Philadelphia, Pa. Machine for the casting and composing of single types in Semitic languages. No. 1,061,560; May 13; Gaz. vol. 190; p. 380.
- Pierpont, Frank H., Horley, county of Surrey, England, assignor to Lanston Monotype Machine Company, Philadelphia, Pa. Record-strip composing-machine. No. 1,061,561; May 13; Gaz. vol. 190; p. 380.
- Pierpont, Frank H., Horley, county of Surrey, England, assignor to Lanston Monotype Machine Company, Philadelphia, Pa. Pump. No. 1,061,562; May 13; Gaz. vol. 190; p. 380.
- Pierpont, Frank H., Horley, county of Surrey, England, assignor to Lanston Monotype Machine Company, Philadelphia, Pa. Stamping, punching, shearing, or similar machine. No. 1,061,563; May 13; Gaz. vol. 190; p. 381.
- Pierpont, Frank H., Horley, county of Surrey, England, assignor to Lanston Monotype Machine Company, Philadelphia, Pa. Machine for severing uniform lengths from a rod or bar. No. 1,061,564; May 13; Gaz. vol. 190; p. 381.
- Pierpont, Frank H., Horley, England, assignor to Lanston Monotype Machine Company, Philadelphia, Pa. Typographic composing-machine. No. 1,079,361; Nov. 25; Gaz. vol. 196; p. 823.
- Pierpoint, Ralph N., assignor of one-half to F. E. Roat, Alexandria, Va. Drip-pan for refrigerator-cars. No. 1,059,204; Apr. 15; Gaz. vol. 189; p. 706.
- Pierson, Carl H., et al. (See Runser, John, assignor.)
- Pierson, Edward, Rollwitz, Nebr. Eccentric-balance computing-scale. No. 1,061,116; May 6; Gaz. vol. 190; p. 191.
- Pierson, George S., Kalamazoo, Mich. Carbureter. No. 1,072,492; Sept. 9; Gaz. vol. 194; p. 308.
- Pierson, Henry J. (See Couch and Pierson.)
- Pierson, Reubin A. (See Tenny, John W., assignor.)
- Piersteien, Meier, Brooklyn, assignor to S. Weisglass, New York, N. Y. Tube-surfacing device. No. 1,056,212; Mar. 18; Gaz. vol. 188; p. 595.
- Pierzina, John. (See Danberg, John J., assignor.)
- Pieters, Engelbert A., Nakusp, British Columbia, Canada. Mail-bag catching and delivering apparatus. No. 1,067,675; July 15; Gaz. vol. 192; p. 676.
- Pietiläinen, Matti, Helsingfors, Finland, Russia. Hammock. No. 1,071,954; Sept. 2; Gaz. vol. 194; p. 97.
- Pietrzak, George, Montesano, Wash. Adjusting device for bed-springs. No. 1,060,492; Apr. 29; Gaz. vol. 189; p. 1221.
- Pietrzak, George, Montesano, Wash. Nut-lock. No. 1,066,315; July 1; Gaz. vol. 192; p. 147.
- Pietzsch, Albert. (See Adolph and Pietzsch.)
- Pietzsch, Albert, and G. Adolph, Munich, Germany. Making hydrogen peroxid. No. 1,063,383; June 3; Gaz. vol. 191; p. 73.
- Pietzsch, Albert, and G. Adolph, Munich, Germany. Electrode for preventing cathodic reduction. No. 1,083,132; Dec. 30; Gaz. vol. 197; p. 1227.
- Pifer, Alvin A., assignor to Cleveland Armature Works, Cleveland, Ohio. Dynamo-electric machine. No. 1,072,647; Sept. 9; Gaz. vol. 194; p. 362.
- Pijzel, Daniel, Balik Papan, Borneo, Dutch East India. Apparatus for sweating crude paraffin-wax or like mixtures of substances which melt at different temperatures. No. 1,070,730; Aug. 19; Gaz. vol. 193; p. 634.
- Pike, Manning, London, England. Liquid-fuel burner. No. 1,065,834; June 24; Gaz. vol. 191; p. 1009.
- Pike, William H., Jr., Orange, N. J., assignor, by mesne assignments, to Burroughs Adding Machine Company, Detroit, Mich. Adding and recording machine. No. 1,049,911; Jan. 7; Gaz. vol. 186; p. 201.
- Pike, William H., Jr., South Orange, N. J., assignor, by mesne assignments, to Burroughs Adding Machine Company, Detroit, Mich. Controlling device for power-driven machines. No. 1,050,388; Jan. 14; Gaz. vol. 186; p. 398.
- Pike, William H., Jr., South Orange, N. J., assignor, by mesne assignments, to Burroughs Adding Machine Company, Detroit, Mich. Attachment for adding and recording machines. No. 1,050,845; Jan. 21; Gaz. vol. 186; p. 588.
- Pike, Willis, and J. Porteous, assignors to Fresno Agricultural Works, Fresno, Cal. Raisin feeder and assorter. No. 1,070,984; Aug. 19; Gaz. vol. 193; p. 716.
- Pikler, Armin H., Montclair, assignor to Crocker-Wheeler Company, Ampere, N. J. Balancer for three-phase electrical systems. No. 1,057,772; Apr. 1; Gaz. vol. 189; p. 128.
- Pikoos, Abraham, Baltimore, Md. Contents-holder for mailing-tubes. No. 1,054,611; Feb. 25; Gaz. vol. 187; p. 1058.

Alphabetical list of patentees—Continued.

- Pillain, François, Lyon, France. Two-stroke cycle explosion-motor. No. 1,074,894; Oct. 7; Gaz. vol. 195; p. 104.
- Pillant, Fred. Granby, Mo. Nut-lock. No. 1,059,756; Apr. 22; Gaz. vol. 189; p. 928.
- Pilcher, John A. (See Lewis and Pilcher.)
- Pilcher, John V., Louisville, Ky. Button. No. 1,051,849; Jan. 28; Gaz. vol. 186; p. 962.
- Pilcher, William E., Louisville, Ky. Organ-valve. No. 1,067,545; July 15; Gaz. vol. 192; p. 632.
- Pille, Arla A., Chattanooga, Okla. Automatic weighing device. No. 1,079,877; Nov. 25; Gaz. vol. 196; p. 1003.
- Pilleri, Salvatore, Chicago, Ill. Stringed musical instrument with interchangeable necks. No. 1,074,458; Sept. 30; Gaz. vol. 194; p. 1076.
- Pilkington, George W., Garnett, Kans. Water-closet seat. No. 1,055,219; Mar. 4; Gaz. vol. 188; p. 189.
- Pilkington, Joseph H., Waterbury, Conn. Stocking-supporter loop. No. 1,049,912; Jan. 7; Gaz. vol. 186; p. 201.
- Pilling, Charles J., Philadelphia, Pa. Air-pump. No. 1,054,866; Mar. 4; Gaz. vol. 188; p. 74.
- Pillinger, Gilbert C. (See Sunderland and Pillinger.)
- Pillsbury, Franklin C., Boston, assignor to W. Cressy, Gloucester, Mass. Apparatus for spraying oil on road-surfaces. No. 1,062,029; May 20; Gaz. vol. 190; p. 576.
- Pillsbury, John C., Springfield, Mass. Steel frame of railway-cars. No. 1,067,061; July 8; Gaz. vol. 192; p. 429.
- Pillsbury, John F., assignor to W. E. Montague, trustee, Norristown, Pa. Shuttle-release for looms. No. 1,059,904; Apr. 22; Gaz. vol. 189; p. 974.
- Pillsbury, Leonard O., Crocker, S. D. Emergency-windlass for automobiles. No. 1,080,653; Dec. 9; Gaz. vol. 197; p. 286.
- Pilston, John L., Wyandotte, Mich. Pipe-peening machine. No. 1,079,065; Nov. 18; Gaz. vol. 196; p. 693.
- Pinafour Toy Manufacturing Company. (See Nusly, Albert J., Jr., assignor.)
- Pincus, Walter. (See Hite, Charles E., assignor.)
- Pinczes, William, Kalpmont, Pa. Life-saving apparatus. No. 1,078,640; Nov. 18; Gaz. vol. 196; p. 544.
- Pindell, John A., Cockeysville, Md. Bottle. No. 1,055,650; Mar. 11; Gaz. vol. 188; p. 370.
- Pindikowsky, Alexander, London, England. Production of stencils of wire-netting. No. 1,064,166; June 10; Gaz. vol. 191; p. 376.
- Pindstofte, Anders A., Frederiksberg, near Copenhagen, Denmark. Machine for automatically filling bottles. No. 1,052,377; Feb. 4; Gaz. vol. 187; p. 181.
- Pindstofte, Anders A., Frederiksberg, near Copenhagen, Denmark. Bottle-cleaning machine. No. 1,059,205; Apr. 15; Gaz. vol. 189; p. 706.
- Pindstofte, Anders A., Copenhagen, Denmark. Apparatus for rinsing bottles. No. 1,055,220; Mar. 4; Gaz. vol. 188; p. 189.
- Pindstofte, Anders A., Copenhagen, Denmark. Apparatus for impregnating liquids with carbonic acid. No. 1,064,535; June 10; Gaz. vol. 191; p. 502.
- Pindstofte, Anders A., Copenhagen, Denmark. Apparatus for steaming bottles. No. 1,076,447; Oct. 21; Gaz. vol. 195; p. 696.
- Pine, James A. W., and W. B. Ruggles, New York, N. Y. Treating asphalt. No. 1,057,667; Apr. 1; Gaz. vol. 189; p. 93.
- Pine, Wilber J., Oshkosh, assignor, by mesne assignments, to The Simmons Manufacturing Company, Kenosha, Wis. Machine for making wire fabric. No. 1,068,075; July 22; Gaz. vol. 192; p. 844.
- Pines, George S. (See Shapera, Morris L. and C. M., assignors.)
- Pinet, Alfred, Vonda, Saskatchewan, Canada. Land-pulverizer. No. 1,082,552; Dec. 30; Gaz. vol. 197; p. 1028.
- Pink, Leonhard, Berlin, Germany, assignor, by mesne assignments, to Dutch Holding Company. Coating corks with resisting neutral layers. No. 1,056,446; Mar. 18; Gaz. vol. 188; p. 674.
- Pink, Leonhard, Berlin, Germany, assignor, by mesne assignments, to Dutch Holding Company. Treatment of corks. No. 1,056,447; Mar. 18; Gaz. vol. 188; p. 674.
- Pinkerton, William A., Denver, Colo. Gasket-seat cleaner for water-tube boilers. No. 1,069,286; Aug. 5; Gaz. vol. 193; p. 69.
- Pinkham, Ralph H., New Florence, Pa. Railway cross-tie. No. 1,068,269; July 22; Gaz. vol. 192; p. 911.
- Pinney, Aron B. and O. L., Arlington, N. J. Apparatus for forming concrete blocks. No. 1,061,117; May 6; Gaz. vol. 190; p. 192.
- Pinney, Ovid L. (See Pinney, Aron B. and O. L.)
- Pinson, William C. (See Blaxley and Pinson.)
- Pintner, Ludvik, Prague, Austria-Hungary. Means for facilitating the passage of cars through curved railway-lines. No. 1,064,167; June 10; Gaz. vol. 191; p. 376.
- Pintsch Compressing Company. (See Vuilleumier, Rudolph, assignor.)
- Pioneer Implement Company. (See Davis and Ford, assignors.)
- Pioneer Implement Company. (See Ford, Ralph L., assignor.)
- Pioneer Suspender Company. (See Freeman, Frank A., assignor.)
- Piotrowski, Julian, and A. Kilinski, New York, assignors of one-third to L. W. Schwenk, Brooklyn, N. Y. Accumulator. No. 1,055,221; Mar. 4; Gaz. vol. 188; p. 189.
- Piper, David H., Celina, Ohio. Catch-basin. No. 1,066,316; July 1; Gaz. vol. 192; p. 147.
- Piper, Herbert H., Jackson, assignor of one-half to J. W. Cracraft, Gordonville, Mo. Automobile-wheel. No. 1,058,196; Apr. 8; Gaz. vol. 189; p. 320.
- Pipher, Ellis E., Milton, Ohio. Plumb-bob. No. 1,060,855; May 6; Gaz. vol. 190; p. 101.
- Pippenger, Lucien E. (See McKinley, Edward K., assignor.)
- Pippin, John W., Brownwood, assignor of forty-nine two-hundred-and-fifty-sixths to D. H. Woods, Brown county, Tex. Washing-machine. No. 1,050,083; Jan. 7; Gaz. vol. 186; p. 260.
- Pirani, Marcello von, Wilmersdorf, near Berlin, and H. Pohl, Charlottenburg, Germany, assignors to General Electric Company. Working refractory metals. No. 1,071,174; Aug. 26; Gaz. vol. 193; p. 816.
- Pirie, Alexander G. (See Pirie, Charles B., assignor.)
- Pirie, Arthur W., and F. Ross, Napier, New Zealand; said Pirie assignor to said Ross. Sliding skylight. No. 1,067,546; July 15; Gaz. vol. 192; p. 632.
- Pirie, Charles B., McCook, assignor of one-half to A. G. Pirie, Wymore, Nebr. Valve-gear. No. 1,075,269; Oct. 7; Gaz. vol. 195; p. 236.
- Pirnat, Paul, Stone City, Kans. Sewing-awl. No. 1,066,317; July 1; Gaz. vol. 192; p. 147.
- Piscicelli, Roberto T., Florence, Italy. Cash-register with a single set of keys. No. 1,061,924; May 13; Gaz. vol. 190; p. 498.
- Piscicelli, Roberto T., Paris, France, assignor to The National Cash Register Co., Dayton, Ohio. Cash-register. (Reissue.) No. 13,632; Oct. 21; Gaz. vol. 195; p. 786.
- Piscopo, Guy, Winthrop, Mass. Exhaust-horn. No. 1,082,972; Dec. 30; Gaz. vol. 197; p. 1176.
- Pisor, Jacob H., assignor of one-half to H. J. Walcott, Livingston, Mont. Nut-lock. No. 1,063,211; June 3; Gaz. vol. 191; p. 15.
- Pitless Auto Turntable Company. (See Wittmann, Joseph H., assignor.)
- Pitluck, Max, and J. D. Smithers, St. Joseph, Mo. Fence-post. No. 1,050,389; Jan. 14; Gaz. vol. 186; p. 398.
- Pitman, Frederick L., Spokane, Wash. Roadway for vehicles. No. 1,056,935; Mar. 25; Gaz. vol. 188; p. 873.
- Pitman, Henry L., Pineville, Ky. Spring-motor apparatus. No. 1,052,689; Feb. 11; Gaz. vol. 187; p. 320.
- Pitman, Henry L., Pineville, Ky. Buffer-brake for motor-driven sewing-machines. No. 1,052,690; Feb. 11; Gaz. vol. 187; p. 321.
- Pitman, Henry L., Pineville, Ky. Spring-motor. No. 1,060,704; May 6; Gaz. vol. 190; p. 49.
- Pitman, Henry L., Pineville, Ky. Spring-motor. No. 1,076,314; Oct. 21; Gaz. vol. 195; p. 649.
- Pitner, Marion W., Chicago, Ill. Handle. No. 1,060,856; May 6; Gaz. vol. 190; p. 102.
- Pitschman, Joseph H., Fresno, Cal. Strainer. No. 1,078,459; Nov. 11; Gaz. vol. 196; p. 452.
- Pitt, Clarence H., Essington, Pa. Combination-cock. No. 1,077,231; Oct. 28; Gaz. vol. 195; p. 1018.
- Pitt, Rafford, New Rochelle, N. Y. Door for show-cases and other inclosures. No. 1,061,008; May 6; Gaz. vol. 190; p. 156.
- Pitt, William H. (See Schaefer, Henry F., assignor.)
- Pitt, William P., Independence, assignor to Irving-Pitt Manufacturing Company, Kansas City, Mo. Loose-leaf binder. No. 1,077,639; Nov. 4; Gaz. vol. 196; p. 137.
- Pitt, William P., Independence, assignor to Irving-Pitt Manufacturing Company, Kansas City, Mo. Loose-leaf binder. No. 1,079,580; Nov. 25; Gaz. vol. 196; p. 899.
- Pitaluga, Stefano, Los Angeles, Cal. Syrup-filler for fruit-cans. No. 1,072,771; Sept. 9; Gaz. vol. 194; p. 405.
- Pittoni, Louis E., assignor to New York Couch Bed Company, New York, N. Y. Wire-mattress fabric. No. 1,060,556; Apr. 29; Gaz. vol. 189; p. 1244.
- Pitts, Arthur W., Bonham, Tex. Separator-guard. No. 1,075,063; Oct. 7; Gaz. vol. 195; p. 164.
- Pitts, Clara M., et al. (See Pitts, William W., assignor.)
- Pitts, James T., Middlesboro, Ky. Means for preventing frost from forming on windows. No. 1,057,087; Mar. 25; Gaz. vol. 188; p. 926.
- Pitts, Jennie M., et al. (See Pitts, William W., assignor.)
- Pitts, John, et al. (See Ring, Charles E., assignor.)
- Pitts, John A., and J. P. Boerman, Kalamazoo, Mich. Apparatus for handling invalids. No. 1,080,297; Dec. 2; Gaz. vol. 197; p. 132.
- Pitts, John W., assignor to Pitts Royalty Company, Bisbee, Ariz. Mechanical movement. No. 1,056,746; Mar. 18; Gaz. vol. 188; p. 779.
- Pitts Royalty Company. (See Pitts, John W., assignor.)
- Pitts, William W., assignor of one-fourth to C. M. Pitts and one-fourth to J. M. Pitts, Austin, Tex. Spring equalizer system. No. 1,076,056; Oct. 21; Gaz. vol. 195; p. 559.

Alphabetical list of patentees—Continued.

- Pittsburg Brake Shoe Company. (See Kinzer, John J., assignor.)
- Pittsburg Iron & Steel Foundries Company. (See Fownes and Hofwing, assignors.)
- Pittsburg Meter Company. (See Chrisman, Horace, assignor.)
- Pittsburg Meter Company. (See Munroe, Daniel A., assignor.)
- Pittsburg Seamless Tube Company. (See Blaxter, George H., assignor.)
- Pittsburgh Electrolytic Manufacturing Company. (See Frazier, George W., assignor.) (Reissue.)
- Pittsburgh-Hickson Company. (See Moore, Jacob L., assignor.)
- Pittsburgh Iron & Steel Foundries Company. (See Spear and Forster, assignors.)
- Pittsburgh Lamp, Brass & Glass Company. (See Ewing, Robert E., assignor.)
- Pittsburgh Lamp, Brass & Glass Company. (See Painter, William A., assignor.)
- Pittsburgh Plate Glass Company. (See Beatty, Raymond C., assignor.)
- Pittsburgh Plate Glass Company. (See Hitner, Harry F., assignor.)
- Pittsburgh Plate Glass Company. (See Voglesong, John W., assignor.)
- Pittsburgh Reinforcing Pole Company. (See Orr, Robert S., assignor.)
- Pittsburgh Steel Foundry Company. (See Pulliam, Oswald S., assignor.)
- Pittsburgh Water Heater Company. (See Frampton, Reynolds C., assignor.)
- Plus, Schlama, assignor of two-fifths to Aktien-Gesellschaft Warschauer Schrauben und Drahtfabriken, Warsaw, Russia. Nut-lock. No. 1,062,357; May 20; Gaz. vol. 190; p. 687.
- Pivoda, Franz, Kremsier, Austria-Hungary. Micrometer measuring attachment for measuring-rules with any graduation. No. 1,059,757; Apr. 22; Gaz. vol. 189; p. 928.
- Pixley, Charles H., Chicago, Ill., assignor to F. A. Hardy & Company. Corneal microscope. No. 1,073,436; Sept. 16; Gaz. vol. 194; p. 679.
- Pixley, Henry L., Cleveland, Ohio. Grinding device for machine-tools. No. 1,074,739; Oct. 7; Gaz. vol. 195; p. 53.
- Pixley, Judson S., New York, N. Y. Signal-lamp. No. 1,082,169; Dec. 23; Gaz. vol. 197; p. 862.
- Pixley, Judson S., assignor to Armspear Manufacturing Company, New York, N. Y. Bail-holder for lanterns. No. 1,070,626; Aug. 19; Gaz. vol. 193; p. 599.
- Pizzica, Joseph, Syracuse, N. Y. Drying apparatus. No. 1,070,173; Aug. 12; Gaz. vol. 193; p. 403.
- Place, Archie F. (See Thornton, George A., assignor.)
- Place, John R., assignor of one-half to C. H. Ace, Vosburg, Pa. Machine for heading barrels, kegs, and the like. No. 1,070,841; Aug. 19; Gaz. vol. 193; p. 671.
- Plager, Harriet, Brock, Nebr. Vegetable-cutter. No. 1,061,867; May 13; Gaz. vol. 190; p. 479.
- Plagman, Adolph, Davenport, Iowa. Propelling mechanism for vehicles. No. 1,053,867; Feb. 18; Gaz. vol. 187; p. 767.
- Plagman, Adolph, Davenport, Iowa. Gearing. No. 1,053,868; Feb. 18; Gaz. vol. 187; p. 768.
- Plaine, George H., Hartford, Conn. Turbine. No. 1,050,488; Jan. 14; Gaz. vol. 186; p. 434.
- Plaisted, Jared H., Melrose, Mass. Non-refillable bottle. No. 1,081,553; Dec. 16; Gaz. vol. 197; p. 629.
- Planche, Léon, Paris, France. Envelop for samples. No. 1,071,572; Aug. 26; Gaz. vol. 193; p. 947.
- Planet Engineering Company. (See Rennerfelt, Gustaf, assignor.)
- Planetary Machinery Company. (See Prindle, Henry U., assignor.)
- Plank, Albert E. (See Clark and Plank.)
- Plankinton, William W. (See Silverston, Anthony R., assignor.)
- Plant, Henry S., Melrose, Mass. Micrometer-gage. No. 1,072,493; Sept. 9; Gaz. vol. 194; p. 309.
- Plant, Thomas G., Boston, Mass., assignor to United Shoe Machinery Company, Paterson, N. J. Bed-lasting machine. (Reissue.) No. 13,507; Jan. 7; Gaz. vol. 186; p. 265.
- Plante, Alfred, and G. Stalport, Montreal, Quebec, Canada. Disappearing safe and vault therefor. No. 1,064,085; June 10; Gaz. vol. 191; p. 348.
- Plante, Arthur. (See Regan and Plante.)
- Plass, Robert H., Stapleton, assignor of one-half to J. R. Collins, Larchmont, N. Y. Bag-machine. No. 1,054,867; Mar. 4; Gaz. vol. 188; p. 74.
- Plastic Metal Company. (See Gleason, Edward D., assignor.)
- Plastic Products Company. (See Weakley, Raymond D., assignor.)
- Plastino, Rubino, New York, N. Y. Flying-machine. No. 1,075,302; Oct. 7; Gaz. vol. 195; p. 249.
- Plater, Thomas E., and E. B. Rees, Monett, Mo. Internal-combustion-engine starter. No. 1,071,260; Aug. 26; Gaz. vol. 193; p. 844.
- Plathner, Fritz, and V. Dorn, Berlin, Germany. Tinning and leading metals. No. 1,060,938; May 6; Gaz. vol. 190; p. 130.
- Platsch, Max, Frankfort-on-the-Main, Germany. Purifying sulfite cellulose lye. No. 1,054,141; Feb. 25; Gaz. vol. 187; p. 897.
- Platshek, Isadore H., New York, N. Y. Apparatus for slicing soap. No. 1,049,598; Jan. 7; Gaz. vol. 186; p. 97.
- Platt Brothers and Company, The. (See White, Franklin R., assignor.)
- Platt, Clarence D., Bridgeport, Conn. Snap-switch. No. 1,054,939; Mar. 4; Gaz. vol. 188; p. 96.
- Platt, Clarence D., Bridgeport, Conn. Lock attachment for snap-switches. No. 1,076,907; Oct. 28; Gaz. vol. 195; p. 911.
- Platt, Clarence D., Bridgeport, Conn. Lock attachment for snap-switches. No. 1,078,693; Nov. 18; Gaz. vol. 196; p. 563.
- Platt, Dallas H., et al. (See Lincoln, Charles B. F., assignor.)
- Platt, Henry, Suffern, N. Y. Plumb-rule. No. 1,060,284; Apr. 29; Gaz. vol. 189; p. 1148.
- Platt, Thomas M., Philadelphia, Pa. Reamer. No. 1,053,531; Feb. 18; Gaz. vol. 187; p. 654.
- Platt, Thomas M., Philadelphia, Pa. Insulator. No. 1,059,629; Apr. 22; Gaz. vol. 189; p. 885.
- Platt, Wilber O., assignor to Joseph Reid Gas Engine Company, Oil City, Pa. Horizontal power-transmission wheel. No. 1,072,028; Sept. 2; Gaz. vol. 194; p. 123.
- Platt, Wilber O., and J. Reid, assignors to Joseph Reid Gas Engine Company, Oil City, Pa. Vaporizer and igniter for internal-combustion engines. No. 1,079,878; Nov. 25; Gaz. vol. 196; p. 1003.
- Player, John, Schenectady, N. Y. Locomotive spark-extinguisher. No. 1,070,174; Aug. 12; Gaz. vol. 193; p. 403.
- Playford, Chester A., et al. (See Playford, Marion E., assignor.)
- Playford, Marion E., Wakelee, assignor of one-fourth to F. H. Alexander and one-fourth to C. A. Playford, Cassopolis, Mich. Rotary plow. No. 1,082,357; Dec. 23; Gaz. vol. 197; p. 931.
- Plean, Abraham, New York, N. Y. Impulse and rotary stem winding and setting watch. No. 1,080,474; Dec. 2; Gaz. vol. 197; p. 194.
- Pleban, Frank, Denver, Colo. Miner's candlestick. No. 1,061,948; May 13; Gaz. vol. 190; p. 507.
- Plein, Grover, Racine, Wis. Spiral tool-driver. No. 1,054,142; Feb. 25; Gaz. vol. 187; p. 897.
- Pleins, Leo H., assignor to James B. Clow & Sons, Chicago, Ill. Apparatus for administering hydrotherapeutic baths. No. 1,070,374; Aug. 12; Gaz. vol. 193; p. 472.
- Pleins, Rudolph C., St. Paul, Minn. Seal-lock. No. 1,066,650; July 8; Gaz. vol. 192; p. 290.
- Pleister, Henry W. (See Newhall and Pleister.)
- Pleister, Henry W. (See Upson and Pleister.)
- Pleister, Henry W., Westfield, assignor to H. B. Newhall, Plainfield, N. J. Bolt-anchor. No. 1,051,444; Jan. 28; Gaz. vol. 186; p. 827.
- Pletts, John S. (See Bell and Pletts.)
- Pletts, John S., Surbiton, England. Variable-speed power transmission. No. 1,069,463; Aug. 5; Gaz. vol. 193; p. 131.
- Pliones, John D., and P. G. Collias, Berkeley, Cal. Automatic bayonet. No. 1,055,416; Mar. 11; Gaz. vol. 188; p. 293.
- Pliske, Max F. W. (See Bailey and Pliske.)
- Ploch, Alex, Carpenter, Tex. Cactus-burner. No. 1,058,900; Apr. 15; Gaz. vol. 189; p. 601.
- Plocher, Martin, and E. A. Scott, St. Louis, Mo. Sanitary cuspidor. No. 1,073,167; Sept. 16; Gaz. vol. 194; p. 583.
- Plock, Albert F., Pittsburgh, Pa. Dry gas-cleaner. No. 1,055,792; Mar. 11; Gaz. vol. 188; p. 419.
- Plony, John, Syracuse, N. Y. Liquid-cooler. No. 1,077,368; Nov. 4; Gaz. vol. 196; p. 44.
- Plost, Isaac, Marion, Ind. Machine for cutting metal. No. 1,054,143; Feb. 25; Gaz. vol. 187; p. 898.
- Plotke, Max, Chicago, Ill. Belt or buckle support. No. 1,079,510; Nov. 25; Gaz. vol. 196; p. 874.
- Plowman, Arthur S., New York, N. Y. Gas-burner. No. 1,059,001; Apr. 15; Gaz. vol. 189; p. 636.
- Plucker, Jacob J., assignor of one-half to O. Rambo, Philadelphia, Pa. Heater. No. 1,079,511; Nov. 25; Gaz. vol. 196; p. 875.
- Plue, William D., Rainier, Oreg. Sight-feed lubricator. No. 1,066,048; July 1; Gaz. vol. 192; p. 51.
- Pluehelt, John A., North Braddock, and J. E. Kautz, Rankin, Pa. Rail-fastener. No. 1,060,285; Apr. 29; Gaz. vol. 189; p. 1149.
- Plug Connection Electric Company. (See Trood, Samuel, assignor.)
- Plumb, Albert M., Platteville, Wis. Ore-separator. No. 1,079,362; Nov. 25; Gaz. vol. 196; p. 823.
- Plume and Atwood Manufacturing Company. (See Andersen, Lauritz W., assignor.)

Alphabetical list of patentees—Continued.

- Plummer, Albert J., New York, N. Y. Photographer's printing-mask. No. 1,051,910; Feb. 4; Gaz. vol. 187; p. 21.
- Plummer, Clarence H., Black River Falls, Wis. Temporarily preserving green vegetables. No. 1,055,353; Mar. 11; Gaz. vol. 188; p. 272.
- Plummer, Emma A., New York, N. Y. Bathing-suit. No. 1,082,905; Dec. 30; Gaz. vol. 197; p. 1153.
- Plummer, Frank E. (See Plummer, George C., assignor.)
- Plummer, George C., assignor of one-half to F. E. Plummer, Washington, D. C. Convertible body for vehicles. No. 1,072,394; Sept. 2; Gaz. vol. 194; p. 246.
- Plummer, John W., Morrill, Nebr. Feeding attachment for pneumatic stackers. No. 1,076,057; Oct. 21; Gaz. vol. 195; p. 560.
- Plummer, Nimrod T. (See Jirousek and Plummer.)
- Plunket, David T., Rochester, N. Y. Invalid-bedstead. No. 1,070,627; Aug. 19; Gaz. vol. 193; p. 600.
- Plunkett, Charles L., Brooklyn, N. Y. Couch or couch-bed. No. 1,061,403; May 13; Gaz. vol. 190; p. 323.
- Plunkett, Charles L., assignor to American Couch Company, Brooklyn, N. Y. Spring-mattress fabric. No. 1,061,402; May 13; Gaz. vol. 190; p. 323.
- Plunkett, Hugh E., Medford, assignor to J. Barry, Boston, Mass. Manufacture of purified banana-flour. No. 1,053,955; Feb. 18; Gaz. vol. 187; p. 797.
- Plural System Ventilator Co., The. (See McGerry and Mies, assignors.)
- Plural System Ventilator Co., The. (See Mies, Frank P., assignor.)
- Plush, Abram L. (See Kindle and Plush.)
- Pluskat, George. (See McNaughton, James A., assignor.)
- Pneumatic Rim & Tire Company. (See Chipley, William G., assignor.)
- Pneumatic Scale Corporation *et al.* (See Field, Samuel B., assignor.)
- Pneumatic Tobacco Stemmer Co., The. (See Whiting and Whitaker, assignors.)
- Pneumelectric Machine Company, The. (See Palmros, Alexander, assignor.)
- Pneumelectric Machine Company, The. (See Sibley, Samuel D., assignor.)
- Poag, Robert O., and W. W. Kirk, Cleveland, Ohio, assignors to General Electric Company. Shaping filaments. No. 1,057,088; Mar. 25; Gaz. vol. 188; p. 926.
- Poage, James H., Chicago, Ill. Propelling engine or motor. No. 1,078,748; Nov. 18; Gaz. vol. 196; p. 582.
- Pobuta, Johann, Elizabeth, N. J. Air-craft. No. 1,075,791; Oct. 14; Gaz. vol. 195; p. 440.
- Poché, Samuel G. (See Le Blanc, Landry, and Poché.)
- Pochin, Harold N. (See Jackson and Pochin.)
- Pocock, Ebenezer, Paris, France, assignor to United Shoe Machinery Company, Paterson, N. J. Cutting-die. No. 1,056,448; Mar. 18; Gaz. vol. 188; p. 674.
- Podlesák, Emil, Tiffin, Ohio. Current-generator and igniter for internal-combustion engines. No. 1,055,076; Mar. 4; Gaz. vol. 188; p. 144.
- Podlesák, Henry J. (See Podlesák, Tesla E. and H. J.)
- Podlesák, Tesla E., Brooklyn, N. Y., and H. J. Podlesák, Chicago, Ill. Inductor-generator for ignition purposes. No. 1,056,360; Mar. 18; Gaz. vol. 188; p. 643.
- Podmaniczky, Frank, East Pittsburgh, Pa. Folding umbrella. No. 1,052,954; Feb. 11; Gaz. vol. 187; p. 412.
- Podmore, Arthur J., Camden, N. J., assignor of one-half to T. M. Dobbins, Philadelphia, Pa. Water-closet. No. 1,056,361; Mar. 18; Gaz. vol. 188; p. 643.
- Podmore, Thomas, Wilkes-Barre, Pa. Chimney-damper. No. 1,080,777; Dec. 9; Gaz. vol. 197; p. 330.
- Podolsky, Heinrich, San Francisco, Cal. Aeroplane. No. 1,077,892; Nov. 4; Gaz. vol. 196; p. 223.
- Podolsky, Jacob, Boston, Mass. Water-closet connection. No. 1,061,632; May 13; Gaz. vol. 190; p. 404.
- Podszus, Emil, Rixdorf, near Berlin, Germany. Electric vapor apparatus. No. 1,076,058; Oct. 21; Gaz. vol. 195; p. 560.
- Poe, Albert S., assignor to A. G. Perry Plow Company, Coldwater, Miss. Plow. No. 1,077,158; Oct. 28; Gaz. vol. 195; p. 994.
- Poe, Sidney A., and A. F. J. Worstman, Cairo, Ill. Portable house. No. 1,065,269; June 17; Gaz. vol. 191; p. 779.
- Poehnert, Edward and R., Rockville, Conn. Safety device for looms. No. 1,056,362; Mar. 18; Gaz. vol. 188; p. 644.
- Poehnert, Richard. (See Poehnert, Edward and R.)
- Poettich, Henry, New Bedford, Mass. Combined knife, fork, and spoon. No. 1,065,170; June 17; Gaz. vol. 191; p. 746.
- Poetzsch, Alexander J., New York, N. Y. Fastening device. No. 1,059,630; Apr. 22; Gaz. vol. 189; p. 885.
- Pogue, Henry W., Decatur, Ill. Creasing-iron. No. 1,055,793; Mar. 11; Gaz. vol. 188; p. 419.
- Pogue, Henry W., Decatur, Ill. Electrical connector. No. 1,074,459; Sept. 30; Gaz. vol. 194; p. 1076.
- Pohl, Arthur, Bloomfield, Nebr. Safety-guard for agricultural implements. No. 1,074,460; Sept. 30; Gaz. vol. 194; p. 1076.
- Pohl, Eduard, Rhöndorf, Germany. Promoting fermentation. No. 1,074,814; Oct. 7; Gaz. vol. 195; p. 77.
- Pohl, Hermann. (See Pirani and Pohl.)
- Pohle, Jennie, Lansdale, Pa. Preserving-jar basket. No. 1,064,248; June 10; Gaz. vol. 191; p. 404.
- Pohlman, William, Middletown, N. Y. Adjustable boring and reaming tool. No. 1,082,553; Dec. 30; Gaz. vol. 197; p. 1028.
- Pohlmann, Frederick L. (See Huber, Edward R., assignor.)
- Poindexter, James W., Switzer, Ky. Wire-stretcher. No. 1,056,120; Mar. 18; Gaz. vol. 188; p. 564.
- Pointon, Charles E. and J. E., Peterborough, England. Bread-making plant. No. 1,062,795; May 27; Gaz. vol. 190; p. 873.
- Pointon, John E. (See Pointon, Charles E. and J. E.)
- Poirer, Theodore F., Paris, France. First-combing machine of carding-engines. No. 1,050,751; Jan. 14; Gaz. vol. 186; p. 520.
- Poirier, Dolphis. (See Tellier, Jérémie, assignor.)
- Poirier, Joseph A., Woonsocket, R. I. Electric stop-motion mechanism. No. 1,052,955; Feb. 11; Gaz. vol. 187; p. 412.
- Poirier, Joseph A., Woonsocket, R. I. Sewing-machine attachment. No. 1,069,575; Aug. 5; Gaz. vol. 193; p. 167.
- Poirier, Joseph F. (See Auerbach, Marcus, assignor.)
- Polacheck, Arthur, assignor to Chas. Polacheck & Bro. Co., Milwaukee, Wis. Fixture-coupling. No. 1,062,664; May 27; Gaz. vol. 190; p. 830.
- Polack Tyre Company. (See Knoth, John V., assignor.)
- Polák, Joseph, New York, N. Y. Electric water-heater. No. 1,079,185; Nov. 18; Gaz. vol. 196; p. 735.
- Polland, Edward F., Boston, Mass. Gate-valve. No. 1,074,199; Sept. 30; Gaz. vol. 194; p. 989.
- Pole, Joseph C., New York, N. Y., assignor, by mesne assignments, to Cooper Hewitt Electric Co., Hoboken, N. J. Mercury-vapor apparatus. No. 1,078,641; Nov. 18; Gaz. vol. 196; p. 544.
- Poler, John W., Baltimore, Md., assignor to Molyneux Mailing Machine Company, Buffalo, N. Y. Folding-machine for letters. No. 1,071,573; Aug. 26; Gaz. vol. 193; p. 947.
- Poll, George L., Brooklyn, N. Y. Table for the use of physicians and surgeons. No. 1,053,214; Feb. 18; Gaz. vol. 187; p. 544.
- Pollacek, Henry J. and W. E., New York, N. Y. Pump. No. 1,056,709; Mar. 18; Gaz. vol. 188; p. 765.
- Pollacek, William E. (See Pollacek, Henry J. and W. E.)
- Pollacek, Emil, Florence, Italy. Production of weather-proof carbonaceous fuel of permanent shape and for rendering innocuous the sulfur contained in the coal. No. 1,079,142; Nov. 18; Gaz. vol. 196; p. 720.
- Pollak, Alfred, Allach, near Munich, Germany. Increasing the fermentation property of yeast. No. 1,061,494; May 13; Gaz. vol. 190; p. 354.
- Pollák, Anton, Paris, France. Apparatus for perforating paper strips. No. 1,071,340; Aug. 26; Gaz. vol. 193; p. 871.
- Pollák, Anton, Paris, France. Electrically-heated garment. No. 1,073,926; Sept. 23; Gaz. vol. 194; p. 870.
- Pollak, Jacques. (See Hume, Walter E., assignor.)
- Pollard, Charles H., Oakdale, Tenn. Piston-packing for steam-engines. No. 1,055,222; Mar. 4; Gaz. vol. 188; p. 190.
- Pollard, Frédéric A., Pare St. Maur, France. Automatic thermic valve-controlling apparatus. No. 1,082,212; Dec. 23; Gaz. vol. 197; p. 877.
- Pollard, Isaac G., Hammond, Ind. Chair. No. 1,074,012; Sept. 23; Gaz. vol. 194; p. 899.
- Pollard, James S. (See Harris and Pollard.)
- Pollard, Paxton, Norfolk, Va. Picture-support. No. 1,063,728; June 3; Gaz. vol. 191; p. 194.
- Pollen, Arthur H., London, and H. Isherwood, York, England. Ball and disk variable-speed mechanism. No. 1,062,500; May 20; Gaz. vol. 190; p. 734.
- Pollen, Arthur H., London, and H. Isherwood, York, England. Naval fire-control apparatus. No. 1,077,965; Nov. 4; Gaz. vol. 196; p. 249.
- Pollock, Adolph E., and L. Rosenberg, assignors of one-third to R. Franklin, New York, N. Y. Automatic fastener. No. 1,075,438; Oct. 14; Gaz. vol. 195; p. 320.
- Pollock, Lewis W. (See Latchem and Pollock.)
- Pollock, Montague, New York, N. Y. Capsule for medicine. No. 1,079,438; Nov. 25; Gaz. vol. 196; p. 849.
- Pollock, Robert A., Kansas City, Mo., assignor to Art Novelty Manufacturing Company, Chicago, Ill. Seal-press. No. 1,056,936; Mar. 25; Gaz. vol. 188; p. 874.
- Pollock, Samuel, Zanesville, Ohio. Flat-iron. No. 1,072,257; Sept. 2; Gaz. vol. 194; p. 198.
- Polnisch, Paul, assignor to W. C. Schwebel, Philadelphia, Pa. Automatic track. No. 1,056,363; Mar. 18; Gaz. vol. 188; p. 644.
- Polo, Joseph B., Clear Lake, S. D. Tire-alarm. No. 1,061,200; May 6; Gaz. vol. 190; p. 219.
- Polo, Joseph B., Clear Lake, S. D. Alarm for pneumatic tires. No. 1,078,061; Nov. 11; Gaz. vol. 196; p. 313.
- Polygraph Duplicating Typewriter Company. (See Fanslow, Benjamin O., assignor.)
- Pomeroy, Frank R., Birmingham, Ala. Unloading-chute. No. 1,053,869; Feb. 18; Gaz. vol. 187; p. 768.

Alphabetical list of patentees—Continued.

- Pomeroy, Frank R., Philadelphia, Pa. Tilting car-unloading chute. No. 1,066,450; July 1; Gaz. vol. 192; p. 189.
- Pomeroy, S. H. (See Brown, William L., assignor.)
- Pomeroy, Silas H., *et al.* (See Iman, Orla H., assignor.)
- Pomponio, Frank, assignor to Sanitary Garment Bag Company, Stockton, Cal. Suit-bag holder. No. 1,064,375; June 10; Gaz. vol. 191; p. 447.
- Pond, Clarke P., Philadelphia, Pa. Building construction. No. 1,074,526; Sept. 30; Gaz. vol. 194; p. 1096.
- Pond, Samuel N., Chicago, Ill. Wire fabric. No. 1,069,172; Aug. 5; Gaz. vol. 193; p. 29.
- Pond, William H., Providence, R. I. Lifting-pulley. No. 1,055,223; Mar. 4; Gaz. vol. 188; p. 190.
- Pond, William H., assignor to Theodore W. Foster & Bro. Co., Providence, R. I. Shearing device. No. 1,064,929; June 17; Gaz. vol. 191; p. 667.
- Pondelick, Leo, Chicago, Ill. Retainer for ball-bearings. No. 1,051,911; Feb. 4; Gaz. vol. 187; p. 21.
- Ponder, George I., Jarrell, Tex. Safety appliance for railways. No. 1,079,263; Nov. 18; Gaz. vol. 196; p. 759.
- Pongratz, Frank, Warrens, Wis. Railway-tie and fastener. No. 1,078,642; Nov. 18; Gaz. vol. 196; p. 544.
- Ponndorf, Wilhelm. (See Koolman and Ponndorf.)
- Ponndorf, Wilhelm, Cassel, Germany. Malt or grape-husks drying apparatus. No. 1,052,845; Feb. 11; Gaz. vol. 187; p. 374.
- Ponninghaus, Wilhelm B. D., South Yarra, Prahran, Victoria, assignor of one-half to J. A. Wallace, Grazler, Australia. Device for raising or lowering curtain-poles and the like. No. 1,063,138; May 27; Gaz. vol. 190; p. 986.
- Ponninghaus, Wilhelm B. D., South Yarra, Prahran, Melbourne, Victoria, assignor of one-half to J. A. Wallace, Boobula, Australia. Apparatus for the supply of hot water or steam. No. 1,070,175; Aug. 12; Gaz. vol. 193; p. 404.
- Ponninghaus, Wilhelm B. D., South Yarra, Prahran, Melbourne, Victoria, assignor of one-half to J. A. Wallace, Boobula, Wanganella, New South Wales, Australia. Control of feed-water to water-heaters. No. 1,070,912; Aug. 19; Gaz. vol. 193; p. 693.
- Ponsar, Theodore, deceased, South Omaha; A. Finkenkeller, Florence, administrator, assignor to D. O. Barnell and E. L. Bradley, Omaha, Nebr. Milling alfalfa. No. 1,056,297; Mar. 18; Gaz. vol. 188; p. 623.
- Ponton, Arthur, Murdock, Ill. Mail-bag catcher. No. 1,056,449; Mar. 18; Gaz. vol. 188; p. 675.
- Pool, Aaron O. (See German and Pool.)
- Pool, Jesse E., Wetumka, Okla. Drilling-machine attachment. No. 1,079,143; Nov. 18; Gaz. vol. 196; p. 720.
- Pool, Morris W., New York, assignor, by mesne assignments, to Remington Typewriter Company, Ilion, N. Y. Type-writing machine. No. 1,062,729; May 27; Gaz. vol. 190; p. 850.
- Poole, Arthur. (See Poole, Francis and A.)
- Poole, Arthur F., Wheeling, W. Va. Harmonic selective telephone system. No. 1,070,726; Aug. 19; Gaz. vol. 193; p. 632.
- Poole, Francis and A., Alden Station, Pa. Timber-hook. No. 1,070,526; Aug. 19; Gaz. vol. 193; p. 566.
- Poole, Frederick A., Chicago, Ill. Calculating mechanism. No. 1,056,578; Mar. 18; Gaz. vol. 188; p. 721.
- Poole, Robert M., assignor of one-third to F. H. Daniel, Mount Gambier, South Australia, Australia. Means for supplying a spraying fluid under pressure. No. 1,050,752; Jan. 14; Gaz. vol. 186; p. 520.
- Poole, Staley D., assignor to Deere & Company, Moline, Ill. Wheeled cultivator. No. 1,075,937; Oct. 14; Gaz. vol. 195; p. 491.
- Poole, William J., Los Angeles, Cal. Distributing-machine. No. 1,075,724; Oct. 14; Gaz. vol. 195; p. 418.
- Pooler, Earl, Seattle, Wash., assignor of one-half to J. S. Emerson, Vancouver, British Columbia; Canada. Record-filing case. No. 1,076,993; Oct. 28; Gaz. vol. 195; p. 942.
- Pooler, Leonard B., J. M. Balner, and N. V. Elliott, assignors to The Marysville Cabinet Company, Marysville, Ohio. Type-writer attachment for desks. No. 1,080,019; Dec. 2; Gaz. vol. 197; p. 34.
- Poortinga, Eelke, Raymond, Minn. Mortising-tool. No. 1,079,719; Nov. 25; Gaz. vol. 196; p. 947.
- Pope, Charles F. (See Atwood, Leonard, assignor.)
- Pope, Edwin, Quebec, Quebec, Canada. Telegraph system. No. 1,052,513; Feb. 11; Gaz. vol. 187; p. 261.
- Pope, George. (See Lowman, Robert G., assignor.)
- Pope, Henry F., assignor to The National Malleable Castings Company, Cleveland, Ohio. Draft-gear and buffing mechanism. No. 1,057,167; Mar. 25; Gaz. vol. 188; p. 953.
- Pope, Henry F., assignor to The National Malleable Castings Company, Cleveland, Ohio. Draft and buffing apparatus. No. 1,057,168; Mar. 25; Gaz. vol. 188; p. 953.
- Pope, Henry F., assignor to The National Malleable Castings Company, Cleveland, Ohio. Draft-gear. No. 1,062,252; May 20; Gaz. vol. 190; p. 652.
- Pope, Henry F., assignor to The National Malleable Castings Company, Cleveland, Ohio. Truck side frame. No. 1,064,003; June 10; Gaz. vol. 191; p. 320.
- Pope, Henry F., assignor to The National Malleable Castings Company, Cleveland, Ohio. Pivot-pin support for couplings. No. 1,072,162; Sept. 2; Gaz. vol. 194; p. 169.
- Pope, Henry F., assignor to The National Malleable Castings Company, Cleveland, Ohio. Car-coupling. No. 1,072,163; Sept. 2; Gaz. vol. 194; p. 170.
- Pope, John C. and W. J., Plano, Ill. Manure-spreader. No. 1,067,373; July 15; Gaz. vol. 192; p. 573.
- Pope, Joseph H., Hamilton, Mass., assignor to United Shoe Machinery Company, Paterson, N. J. Heel-breasting machine. No. 1,053,641; Feb. 18; Gaz. vol. 187; p. 691.
- Pope, Joseph H., Hamilton, assignor to United Shoe Machinery Company, Boston, Mass. Nailing-machine. No. 1,072,986; Sept. 9; Gaz. vol. 194; p. 486.
- Pope Manufacturing Company. (See Donegan, William R., assignor.)
- Pope, Thomas H., Brooklyn, N. Y. Composition for crayons. No. 1,062,253; May 20; Gaz. vol. 190; p. 653.
- Pope, Toombs O., Columbus, Ga., assignor to Draper Company, Hopedale, Mass. Shuttle-guard for looms. No. 1,077,553; Nov. 4; Gaz. vol. 196; p. 110.
- Pope, William J. (See Pope, John C. and W. J.)
- Pope, William W., Tylertown, Miss. Removing stumps. No. 1,082,442; Dec. 23; Gaz. vol. 197; p. 958.
- Popkess, Michael A., Kansas City, Mo. Road-surfacing machine. No. 1,062,552; May 20; Gaz. vol. 190; p. 749.
- Popkess, Michael A., Kansas City, Mo., assignor to Bluminized Road Company, Phoenix, Ariz. Road-making machine. No. 1,062,113; May 20; Gaz. vol. 190; p. 605.
- Popkess, Michael A., Kansas City, Mo., assignor to Bluminized Road Company, Phoenix, Ariz. Making roadways, railway-beds, sidewalks, and the like. No. 1,076,782; Oct. 28; Gaz. vol. 195; p. 867.
- Poplin, Robert T. (See Chitwood and Poplin.)
- Popoff, Nicholas, St. Petersburg, Russia. Apparatus for measuring the speed of steam traveling along steam-conduits. No. 1,068,926; July 29; Gaz. vol. 192; p. 1179.
- Popovics, Aurel, Török-Kanizsa, Austria-Hungary. Embedding artificial hair. No. 1,059,631; Apr. 22; Gaz. vol. 189; p. 886.
- Popp, Richard, Paris, France. Automatic advertising apparatus. No. 1,073,927; Sept. 23; Gaz. vol. 194; p. 870.
- Poppe, William C., Chicago, Ill. Flask. No. 1,071,175; Aug. 26; Gaz. vol. 193; p. 816.
- Poppenhusen, Herman A., Evanston, and J. Harrington, Riverside, Ill. Steam-boiler furnace. No. 1,064,857; June 17; Gaz. vol. 191; p. 645.
- Poppenhusen, Herman A., Evanston, and J. Harrington, Riverside, Ill. Furnace. No. 1,073,437; Sept. 16; Gaz. vol. 194; p. 679.
- Popper, Joseph, New York, N. Y. Bung-retainer and seal. No. 1,070,287; Aug. 12; Gaz. vol. 193; p. 442.
- Poppert, Jesse G., Portland, Oreg. Coupling for unlifting hose-pipes with faucets. No. 1,062,730; May 27; Gaz. vol. 190; p. 850.
- Porcher, Jacob W., Port Washington, Ohio. Lime-spreader. No. 1,059,206; Apr. 15; Gaz. vol. 189; p. 706.
- Porcupine Water Heating Company, The. (See Jones, Joseph F., assignor.)
- Porsch, George B., Fort Wayne, Ind., assignor to Knott Manufacturing Company. Valve-operating device. No. 1,059,315; Apr. 15; Gaz. vol. 189; p. 743.
- Pörscke, Heinrich P. R. L., and J. A. Achenbach, Hamburg, Germany. Electrode for secondary galvanic cells. No. 1,066,651; July 8; Gaz. vol. 192; p. 290.
- Port Huron Engine and Thresher Company. (See Christenson, Louis F., assignor.)
- Porteous, James. (See Pike and Porteous.)
- Porteous, Samuel W., Reno, Nev. Advertising-kiosk. No. 1,079,879; Nov. 25; Gaz. vol. 196; p. 1004.
- Porter, Albert J. (See Erskine, Ralph W., assignor.)
- Porter, Alexander T., and H. E. Rider, New York, N. Y., assignors to Oil Utilities Company. Producing a fuel vapor. No. 1,064,086; June 10; Gaz. vol. 191; p. 348.
- Porter, Alfred R. (See Crowder, Walter A., assignor.)
- Porter, Alvin G., Auburn, Wash. Bottle. No. 1,072,987; Sept. 9; Gaz. vol. 194; p. 486.
- Porter, Asahel A., deceased, Waterbury, Conn.; B. A. Black, administrator. Extension car-step. No. 1,053,870; Feb. 18; Gaz. vol. 187; p. 768.
- Porter, Charles S., Rochester, N. Y. Tie-button lock. No. 1,064,536; June 10; Gaz. vol. 191; p. 502.
- Porter, Charles T., and R. J. Osborne, San Francisco, Cal. Antiseptic protector for mouthpieces. No. 1,076,908; Oct. 28; Gaz. vol. 195; p. 912.
- Porter, Charles W., Chicago, Ill. Supporting means for tanks. No. 1,049,913; Jan. 7; Gaz. vol. 186; p. 202.
- Porter, Daniel, New Brookland, and S. K. Oliver, Columbia, S. C. Yarn-twisting mechanism. No. 1,081,328; Dec. 16; Gaz. vol. 197; p. 553.
- Porter, Edgar E., Ensley, Ala. Flying-machine. No. 1,052,378; Feb. 4; Gaz. vol. 187; p. 182.
- Porter, Edwin S., assignor of one-half to F. B. Cannock, New York, N. Y. Film trap-door. No. 1,059,067; Apr. 15; Gaz. vol. 189; p. 658.
- Porter, Ida M. (See Armbruster, Edward J., assignor.)

Alphabetical list of patentees—Continued.

- Porter, John B. (See Faessler, Charles A., assignor.)
 Porter, John B. (See Maximilian, Max, assignor.)
 Porter, John W., Ferguson, assignor of one-fourth to H. W. Hamilton and one-half to F. C. Bretsnyder, St. Louis, Mo. Hydrocarbon-burner. No. 1,078,593; Nov. 11; Gaz. vol. 196; p. 496.
 Porter, Joseph Y., Detroit, Mich. Controller-regulator for electric motors. No. 1,053,642; Feb. 18; Gaz. vol. 187; p. 692.
 Porter, Joseph Y., Jr., Key West, Fla. Boat-releasing device. No. 1,058,627; Apr. 8; Gaz. vol. 189; p. 466.
 Porter, Kenneth E., Cincinnati, Ohio. Concrete track construction for railways. No. 1,082,236; Dec. 23; Gaz. vol. 197; p. 887.
 Porter, Marion L., Silverton, Colo. Ore-concentrator. No. 1,073,928; Sept. 23; Gaz. vol. 194; p. 870.
 Porter, Marion L., Silverton, Colo. Mineral-separator. No. 1,077,297; Nov. 4; Gaz. vol. 196; p. 18.
 Porter, Orson K., assignor to Oregon Fruit Cleaner Company, The Dalles, Oreg. Fruit-cleaner. No. 1,058,460; Apr. 8; Gaz. vol. 189; p. 411.
 Porter, Orson K., assignor to Oregon Fruit Cleaner Company, The Dalles, Oreg. Fruit-cleaner. No. 1,058,461; Apr. 8; Gaz. vol. 189; p. 411.
 Porter, Ralph E., Parker, Ind. Farm-gate. No. 1,078,375; Nov. 11; Gaz. vol. 196; p. 423.
 Porter, Richard B., Chillagoe, Queensland, Australia. Semaphore for railway signaling. No. 1,070,727; Aug. 19; Gaz. vol. 193; p. 633.
 Porter, Thomas, assignor of one-half to R. W. Beardslee, New York, N. Y. Elevator signaling apparatus. No. 1,075,270; Oct. 7; Gaz. vol. 195; p. 237.
 Porter, Willard E., Lynn, Mass., assignor to General Electric Company. Maximum-demand electric meter. No. 1,077,749; Nov. 4; Gaz. vol. 196; p. 174.
 Porter, Willard E., Lynn, Mass., assignor to General Electric Company. Time-switch. No. 1,081,402; Dec. 16; Gaz. vol. 197; p. 578.
 Porter, William A. V., New York, N. Y. Combined shipping and display carton. No. 1,055,651; Mar. 11; Gaz. vol. 188; p. 370.
 Porter, William A. V., New York, N. Y. Garment-hanger. No. 1,066,144; July 1; Gaz. vol. 192; p. 84.
 Porter, Wilson E., assignor to New Haven Clock Co., New Haven, Conn. Alarm-clock. No. 1,049,914; Jan. 7; Gaz. vol. 186; p. 202.
 Porter, Wilson E., assignor to New Haven Clock Co., New Haven, Conn. Watch. No. 1,054,446; Feb. 25; Gaz. vol. 187; p. 1002.
 Porter, Wilson E., assignor to The New Haven Clock Co., New Haven, Conn. Stem-winding and stem-setting watch. No. 1,054,447; Feb. 25; Gaz. vol. 187; p. 1002.
 Porter, Wilson E., assignor to New Haven Clock Co., New Haven, Conn. Front-winding clock-movement. No. 1,056,364; Mar. 18; Gaz. vol. 188; p. 645.
 Porter, Wilson E., assignor to New Haven Clock Co., New Haven, Conn. Double-alarm clock. No. 1,057,668; Apr. 1; Gaz. vol. 189; p. 93.
 Porter, Wilson E., assignor to New Haven Clock Co., New Haven, Conn. Alarm-clock. No. 1,059,632; Apr. 22; Gaz. vol. 189; p. 886.
 Porter, Wilson E., assignor to The New Haven Clock Co., New Haven, Conn. Keyless automobile-clock. No. 1,074,975; Oct. 7; Gaz. vol. 195; p. 131.
 Porter, Wilson E., assignor to New Haven Clock Co., New Haven, Conn. Watch. No. 1,074,976; Oct. 7; Gaz. vol. 195; p. 131.
 Porter, Wilson E., assignor to New Haven Clock Co., New Haven, Conn. Dash-lock for automobile-clocks. No. 1,076,226; Oct. 21; Gaz. vol. 195; p. 618.
 Portland Automobile Wheel Company. (See Chrysler, William L., assignor.)
 Posey, Edward V., Clarkston, Wash. Plow-point. No. 1,064,990; June 17; Gaz. vol. 191; p. 688.
 Posey, James A., assignor of one-half to J. E. Dunaway, Waxahachie, Tex. Pneumatic tire and armor therefor. No. 1,059,207; Apr. 15; Gaz. vol. 189; p. 707.
 Posner, Louis, New York, N. Y. Garment-holder. No. 1,068,270; July 22; Gaz. vol. 192; p. 911.
 Poss, John. (See Klein and Poss.)
 Poss, Tony, Aurora, Ill. Vehicle-wheel. No. 1,063,892; June 3; Gaz. vol. 191; p. 247.
 Poss, Tony, Aurora, Ill. Vehicle-wheel. No. 1,078,164; Nov. 11; Gaz. vol. 196; p. 348.
 Posson, Edward, Chicago, Ill. Car-framework. No. 1,062,731; May 27; Gaz. vol. 190; p. 851.
 Posson, Edward, Chicago, Ill. Car-framework. No. 1,062,732; May 27; Gaz. vol. 190; p. 851.
 Posson, Edward, Chicago, Ill. Car-door. No. 1,067,547; July 15; Gaz. vol. 192; p. 632.
 Posson, Edward, Chicago, Ill. Grain-door. No. 1,067,548; July 15; Gaz. vol. 192; p. 633.
 Posson, Edward, Chicago, Ill. Hatch-cover and ventilator for refrigerator-cars. No. 1,072,164; Sept. 2; Gaz. vol. 194; p. 170.
 Posson, Edward, Chicago, Ill. Car-truck. No. 1,080,654; Dec. 9; Gaz. vol. 197; p. 286.
 Posson, Edward, assignor to National Dump Car Company, Chicago, Ill. Railway-car. No. 1,064,004; June 10; Gaz. vol. 191; p. 320.
 Posson, Giles H., Chicago, Ill. Check attaching and display clip. No. 1,060,120; Apr. 29; Gaz. vol. 189; p. 1090.
 Posson, Guy and L., Los Angeles, Cal., assignors to Sanitary Manufacturing Company, Phoenix, Ariz. Sanitary dry closet. No. 1,050,290; Jan. 14; Gaz. vol. 186; p. 363.
 Posson, Lulu. (See Posson, Guy and L.)
 Possons, Minard A., Cleveland, Ohio. Talking-machine. No. 1,069,464; Aug. 5; Gaz. vol. 193; p. 132.
 Possons, Minard A., Cleveland, Ohio. Automatic stop mechanism for gramophones. No. 1,078,460; Nov. 11; Gaz. vol. 196; p. 452.
 Possons, Minard A., Cleveland, Ohio, assignor to American Stove Company, St. Louis, Mo. Oven-door friction-hinge and stop. No. 1,067,676; July 15; Gaz. vol. 192; p. 677.
 Possons, Minard A., Cleveland, Ohio, assignor to American Stove Company, St. Louis, Mo. Detachable stove-shelf. No. 1,082,443; Dec. 23; Gaz. vol. 197; p. 958.
 Post, Charles R., New York, N. Y. Roller-skate. No. 1,066,842; July 8; Gaz. vol. 192; p. 355.
 Post, Ernest K. (See Garber, Amos R., assignor.)
 Post, Ernest S. (See Kreiter, Post, Roco, and Layne.)
 Post, George E. (See Dixon and Post.)
 Post, Harry A., Painesville, Ohio. Sheet-metal can or receptacle. No. 1,070,527; Aug. 19; Gaz. vol. 193; p. 566.
 Post, John L., Canon City, Colo. Prepayment attachment for instruments. No. 1,049,915; Jan. 7; Gaz. vol. 186; p. 202.
 Post Lock Register Co. (See Imhof, Frederick R., assignor.)
 Post Lock Register Co. (See Post, Truman W., assignor.)
 Post, Truman W., New York, N. Y., assignor to Post Lock Register Co. Taximeter. No. 1,060,121; Apr. 29; Gaz. vol. 189; p. 1090.
 Post, Wilhelm. (See Bühren, Walther, assignor.)
 Post, William E., Mansfield, Ohio. Wrench. No. 1,061,925; May 13; Gaz. vol. 190; p. 499.
 Post, Willis H., assignor to Postum Cereal Company, Limited, Battle Creek, Mich. Beverage extract. No. 1,051,445; Jan. 28; Gaz. vol. 186; p. 828.
 Post, Willis H., assignor to Postum Cereal Company, Limited, Battle Creek, Mich. Beverage extract. No. 1,061,495; May 13; Gaz. vol. 190; p. 354.
 Post, Willis H., assignor to Postum Cereal Co., Limited, Battle Creek, Mich. Beverage extract. No. 1,064,767; June 17; Gaz. vol. 191; p. 617.
 Post, Willis H., assignor to Postum Cereal Co., Limited, Battle Creek, Mich. Beverage extract. No. 1,064,768; June 17; Gaz. vol. 191; p. 617.
 Post, Willis H., assignor to Postum Cereal Co., Limited, Battle Creek, Mich. Beverage extract. No. 1,067,938; July 22; Gaz. vol. 192; p. 797.
 Postalgraph Company, The. (See Hay, Walter, assignor.)
 Postans, Arthur J., Brentford, England. Safety-razor. No. 1,069,465; Aug. 5; Gaz. vol. 193; p. 132.
 Postans, Arthur J., Brentford, England. Stopping and like machine. No. 1,075,938; Oct. 14; Gaz. vol. 195; p. 491.
 Postlethwaite, Berkley K. (See Campbell and Postlethwaite.)
 Poston, Richard G., Bonne Terre, Mo. Hasp. No. 1,071,461; Aug. 26; Gaz. vol. 193; p. 911.
 Postum Cereal Company. (See Post, Willis H., assignor.)
 Potapoff, John, Arran, Saskatchewan, assignor of one-half to M. F. Riebin, Verigin, Canada. Lock. No. 1,074,329; Sept. 30; Gaz. vol. 194; p. 1032.
 Potato Implement Co. (See Dyke, Arend K., assignor.)
 Potthast, Leo A., Melbourne, Iowa. Side-car attachment. No. 1,080,020; Dec. 2; Gaz. vol. 197; p. 35.
 Pothén, William, Murdock, Minn. Telephone time-signal. No. 1,059,758; Apr. 22; Gaz. vol. 189; p. 928.
 Pottel, Carl, Halle, Germany. Injector. No. 1,066,318; July 1; Gaz. vol. 192; p. 148.
 Pottenger, Milton S., Sharonville, Ohio. Grave ornamentation. No. 1,054,029; Feb. 25; Gaz. vol. 187; p. 860.
 Potter, Alexander, New York, N. Y. Operating settling-tanks. No. 1,081,329; Dec. 16; Gaz. vol. 197; p. 553.
 Potter, Ford B., Tampico, Ill. Silo. No. 1,078,874; Nov. 18; Gaz. vol. 196; p. 627.
 Potter, Frank B., et al. (See Erb, Ada M., assignor.)
 Potter, George T., Connellsville, C. B. Pritchard, Everson, Pa., and O. L. Marquet, Wellsburg, W. Va. Car-wheel. No. 1,057,978; Apr. 1; Gaz. vol. 189; p. 199.
 Potter, Harry J., Newton, assignor, by mesne assignments, to Dennison Manufacturing Company, Boston, Mass. Paste-receptacle. No. 1,060,023; Apr. 29; Gaz. vol. 189; p. 1059.
 Potter, Harry J., Seattle, Wash., assignor to Dennison Manufacturing Company, Boston, Mass. Marking device. No. 1,079,928; Nov. 25; Gaz. vol. 196; p. 1022.
 Potter, James C., Pawtucket, R. I. Milling-machine. No. 1,060,705; May 6; Gaz. vol. 190; p. 50.
 Potter, James C., Pawtucket, R. I. Evener for cotton-opening machines, &c. No. 1,072,649; Sept. 9; Gaz. vol. 194; p. 363.

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- Potter, James C., Pawtucket, R. I. Device for feeding cotton, &c. No. 1,076,059; Oct. 21; Gaz. vol. 195; p. 561.
- Potter, James C., assignor to Potter and Johnston Machine Co., Pawtucket, R. I. Automatic turret-lathe. No. 1,072,648; Sept. 9; Gaz. vol. 194; p. 363.
- Potter, James C., and J. Johnston, assignors to Potter and Johnston Machine Company, Pawtucket, R. I. Turret-lathe. No. 1,074,561; Sept. 30; Gaz. vol. 194; p. 1107.
- Potter, James E., Audubon, Iowa. Lantern-holder. No. 1,055,556; Mar. 11; Gaz. vol. 188; p. 338.
- Potter, John C. (See Matthews and Potter.)
- Potter, John W., Cranston, assignor to A. J. Dronsfield, Providence, R. I. Spraying-nozzle. No. 1,073,438; Sept. 16; Gaz. vol. 194; p. 680.
- Potter and Johnston Machine Co. (See Potter, James C., assignor.)
- Potter and Johnston Machine Company. (See Potter and Johnston, assignors.)
- Potter, Joseph L., Indianapolis, Ind. Excavating and conveying apparatus. No. 1,081,060; Dec. 9; Gaz. vol. 197; p. 424.
- Potter, Leslie W., Rockford, Ill. Hover. No. 1,072,029; Sept. 2; Gaz. vol. 194; p. 124.
- Potter, Orlin, Portland, Oreg. Cable-hauling engine. (Re-issue.) No. 13,546; Mar. 25; Gaz. vol. 188; p. 1029.
- Potter Printing Press Company, The. (See Randolph, Frank D., assignor.)
- Potter, Thomas I., Portland, Oreg. Coin-actuated change-machine. No. 1,063,589; June 3; Gaz. vol. 191; p. 142.
- Potter, Thomas I., Portland, Oreg. Change computing and delivery machine. No. 1,063,590; June 3; Gaz. vol. 191; p. 143.
- Potter, William B., Schenectady, N. Y., assignor, by mesne assignments, to The Union Switch and Signal Company. Block-signal system. No. 1,063,591; June 3; Gaz. vol. 191; p. 144.
- Potter, William G., Marblehead, Mass. Mechanism for stopping engines. No. 1,068,699; July 29; Gaz. vol. 192; p. 1098.
- Potter, William R., Buckholts, Tex. Baling-press. No. 1,075,494; Oct. 14; Gaz. vol. 195; p. 340.
- Potter, Winfield S., New York, N. Y. Forming machined shapes of manganese steel. No. 1,079,439; Nov. 25; Gaz. vol. 196; p. 849.
- Potterf, Orlystis M., Larned, Kans. Combination-garment. No. 1,076,390; Oct. 21; Gaz. vol. 195; p. 675.
- Pottinger, Thomas, Edinburgh, Scotland, assignor to Thomas Robinson & Son, Limited. Appliance for distributing grain in bins. No. 1,068,006; July 22; Gaz. vol. 192; p. 821.
- Potts, Harvey W., Longmont, Colo. Headlight control for automobiles. No. 1,074,527; Sept. 30; Gaz. vol. 194; p. 1096.
- Potts, Hillard J., Kansas City, Mo. Electrode-holder. No. 1,064,991; June 17; Gaz. vol. 191; p. 688.
- Potts, John E., Dayton, Ohio. Lock for automobiles and the like. No. 1,082,906; Dec. 30; Gaz. vol. 197; p. 1154.
- Potts, John F. (See Cotton, Alfred, assignor.)
- Potts, John G., Denver, Colo. Rain-maker. No. 1,053,133; Feb. 11; Gaz. vol. 187; p. 474.
- Potts, Louis M., assignor, by mesne assignments, to A. McLanahan, Baltimore, Md. Automatic telegraph-transmitter. No. 1,060,939; May 6; Gaz. vol. 190; p. 130.
- Potts, Samuel W., assignor to Englander Spring Bed Company, Brooklyn, N. Y. Convertible divan or couch-bed. No. 1,061,496; May 13; Gaz. vol. 190; p. 354.
- Potwin, William S. (See Desmond, John, assignor.)
- Potwin, William S. (See Staunton, Gray, assignor.)
- Poulain, Charles, Paris, France. Collar-supporter. No. 1,080,526; Dec. 2; Gaz. vol. 197; p. 213.
- Poulsen, Valdemar, Copenhagen, Denmark. Receiver for wireless transmission of signals. No. 1,059,391; Apr. 22; Gaz. vol. 189; p. 805.
- Poulson, Andrew, Farnworth, England. Treatment of foundry-sand. No. 1,052,514; Feb. 11; Gaz. vol. 187; p. 262.
- Poulson, Andrew, Farnworth, Widnes, England. Treatment or renovation of foundry-sand. No. 1,078,062; Nov. 11; Gaz. vol. 196; p. 314.
- Poulson, Palmer O., Hagerman, N. Mex. Insole. No. 1,051,258; Jan. 21; Gaz. vol. 186; p. 730.
- Poulter, Micajah L., assignor to Iowa Ditching Machine Co., Mount Pleasant, Iowa. Ditching-machine. No. 1,071,085; Aug. 26; Gaz. vol. 193; p. 785.
- Poulton, Ross E., assignor to I. M. Schwab, Savannah, Ga. Eyeglass-guard. No. 1,072,494; Sept. 9; Gaz. vol. 194; p. 309.
- Pountney, Frank. (See Pugh and Pountney.)
- Poupart, Albert P., New Orleans, La. Reversible propeller. No. 1,069,026; July 29; Gaz. vol. 192; p. 1212.
- Powdered Milk Company of America. (See Brigham, Charles H., assignor.)
- Powell, Alma W., New York, N. Y. Suit of clothing for women. No. 1,053,532; Feb. 18; Gaz. vol. 187; p. 655.
- Powell, Andrew, Uniontown, Pa. Coal-loading machine. No. 1,061,778; May 13; Gaz. vol. 190; p. 451.
- Powell, Carrie D. (See Riley and Powell.)
- Powell, Charles E., *et al.* (See Hartlett and Wheeler, assignors.)
- Powell, Edwin, Emma, Colo. Potato-seed cutter. No. 1,063,212; June 3; Gaz. vol. 191; p. 15.
- Powell, Eugene F., and G. L. Andrews, Newport News, Va. Car-coupling. No. 1,056,298; Mar. 18; Gaz. vol. 188; p. 624.
- Powell, Harry L. (See Kay, William H., assignor.)
- Powell, Humbert B., *et al.* (See Peckover, James, assignor.)
- Powell, John M., Los Gatos, Cal. Lamp-bracket. No. 1,082,763; Dec. 30; Gaz. vol. 197; p. 1104.
- Powell, John R., Plymouth, Pa. Miner's squib. No. 1,050,390; Jan. 14; Gaz. vol. 186; p. 398.
- Powell, John R., Plymouth, Pa. Blasting-cap and carrier therefor. No. 1,081,772; Dec. 16; Gaz. vol. 197; p. 700.
- Powell, John S. (See Reel, John, assignor.)
- Powell, Myrtello F., Omaha, Nebr. Rotary scraping-tool. No. 1,053,215; Feb. 18; Gaz. vol. 187; p. 544.
- Powell, Richard M., Memphis, Tenn. Lawn-chair. No. 1,056,450; Mar. 18; Gaz. vol. 188; p. 675.
- Powell, Robert, Cincinnati, Ohio. Peeler. No. 1,075,222; Oct. 7; Gaz. vol. 195; p. 218.
- Powell, William E. C., Albany, N. Y. Adjustable tube. No. 1,066,319; July 1; Gaz. vol. 192; p. 148.
- Powell, William H., Chicago, Ill. Shoe-fastener. No. 1,074,381; Sept. 30; Gaz. vol. 194; p. 1050.
- Powell, William H., Norwood, Ohio, assignor to Allis-Chalmers Company and The Bullock Electric Manufacturing Company. Dynamo-electric machine. No. 1,051,821; Jan. 28; Gaz. vol. 186; p. 952.
- Powell, William H., Milwaukee, Wis., assignor, by mesne assignments, to Allis-Chalmers Manufacturing Company. Induction-motor. No. 1,080,475; Dec. 2; Gaz. vol. 197; p. 194.
- Powell, William H., and R. B. Williamson, Milwaukee, Wis., assignors to Allis-Chalmers Company. Dynamo-electric machine. No. 1,051,259; Jan. 21; Gaz. vol. 186; p. 730.
- Power, George S., Nutley, N. J. Front head for drill-cylinders. No. 1,065,392; June 24; Gaz. vol. 191; p. 859.
- Power, John A., Owingsville, Ky. Animal-trap. No. 1,065,835; June 24; Gaz. vol. 191; p. 1009.
- Power Manufacturing Company, The. (See Primm, John M., assignor.)
- Power and Mining Machinery Company. (See Bernhard, Richard, assignor.)
- Power and Mining Machinery Company. (See Niedermeyer and Bernhard, assignors.)
- Power and Mining Machinery Company, The. (See Pettibone, Hawley, assignor.)
- Power and Mining Machinery Company. (See Straub, Constantine L., assignor.)
- Power, Nicholas, Brooklyn, N. Y. Automatic loop-setter for kinoscope-films. No. 1,051,632; Jan. 28; Gaz. vol. 186; p. 891.
- Power Numbering Machine Company. (See Merrick, Frank W., assignor.)
- Power Plant Engineering Co. (See Bates, Frank H., assignor.)
- Power Specialty Company. (See Canham, Percy D., assignor.)
- Power Specialty Company. (See Fetherston, John T., assignor.)
- Power Specialty Company. (See Foster, Ernest H., assignor.)
- Power Specialty Company. (See Primrose and Harter, assignors.)
- Power Washing Machine Co. (See Altorfer, Alpheus W., assignor.)
- Power Washing Machine Co. (See Speas, John H., assignor.)
- Power Washing Machine Co. (See Willems, George H., assignor.)
- Power, Winslow A., Poughkeepsie, N. Y. Cuspidor. No. 1,065,270; June 17; Gaz. vol. 191; p. 779.
- Powers Accounting Machine Company. (See Powers, James, assignor.)
- Powers, Annie E., Bishop, Cal. Corset-stay-tip protector. No. 1,074,644; Oct. 7; Gaz. vol. 195; p. 20.
- Powers, Charles F., Birmingham, Ala. Oil-burner. No. 1,058,462; Apr. 8; Gaz. vol. 189; p. 412.
- Powers, Clarence R., Terre Haute, Ind. Compression grease-cup. No. 1,061,323; May 13; Gaz. vol. 190; p. 296.
- Powers, Donald J., New York, N. Y. Automatically-regulated heating system. No. 1,065,393; June 24; Gaz. vol. 191; p. 859.
- Powers, Edmund E., New York, N. Y., assignor to Empire Railway Appliance Corporation. Anticreeping device for railway-rails. No. 1,078,951; Nov. 18; Gaz. vol. 196; p. 651.
- Powers, Edward J., Chicago, Ill. Chuck used in broom-making. No. 1,054,238; Feb. 25; Gaz. vol. 187; p. 932.
- Powers, Edwin H., assignor to S. L. Eastman, trustee, Saginaw, Mich. Tube-making machine. No. 1,054,984; Mar. 4; Gaz. vol. 188; p. 112.
- Powers, Fred W., assignor to The Powers Regulator Company, Chicago, Ill. Thermostat. No. 1,064,168; June 10; Gaz. vol. 191; p. 376.

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- Powers, James, Newark, N. J. Apparatus for making and vending sanitary cups. No. 1,077,298; Nov. 4; Gaz. vol. 196; p. 19.
- Powers, James, Washington, D. C., assignor to Powers Accounting Machine Company, New York, N. Y. Machine for compiling and sorting statistics. No. 1,061,118; May 6; Gaz. vol. 190; p. 192.
- Powers, John L., Indianola, Iowa. Gate-latch. No. 1,060,557; Apr. 29; Gaz. vol. 189; p. 1244.
- Powers, John P., Ossining, N. Y. Power dumping-wagon. No. 1,065,271; June 17; Gaz. vol. 191; p. 779.
- Powers Regulator Company, The. (See Powers, Fred W., assignor.)
- Powers, Thomas J., Steubenville, Ohio. Face-shield. No. 1,075,667; Oct. 14; Gaz. vol. 195; p. 399.
- Powers, William M., Charles City, Iowa. Drain. No. 1,051,757; Jan. 28; Gaz. vol. 186; p. 931.
- Powers, William R., Holden, W. Va. Nut-lock. No. 1,083,133; Dec. 30; Gaz. vol. 197; p. 1227.
- Powlison, Cornelius, Durand, Mich. Beet-harvester. No. 1,075,939; Oct. 14; Gaz. vol. 195; p. 491.
- Poyner, Samuel J., Pierson, Manitoba, Canada. Spring-wheel. No. 1,074,290; Sept. 30; Gaz. vol. 194; p. 1020.
- Poythress, Robert L. (See Lee and Poythress.)
- Prache, Charles L., assignor to Société d'Exploitation de Procédés Evaporatoires Système Prache et Bouillon, Paris, France. Evaporating apparatus with superposed compartments and progressive level. No. 1,071,341; Aug. 26; Gaz. vol. 193; p. 871.
- Pracht, Rudolf, Breslau, Germany. Telescopic box. No. 1,069,723; Aug. 12; Gaz. vol. 193; p. 248.
- Praetz, John, deceased, Brooklyn; J. J. Praetz, New York, and J. A. Praetz, Brooklyn, N. Y., executors, assignors to John Praetz, Inc. Buckle. No. 1,075,223; Oct. 7; Gaz. vol. 195; p. 219.
- Praetz, John A., *et al.*, executors. (See Praetz, John.)
- Praetz, Joseph J., *et al.*, executors. (See Praetz, John.)
- Prager, Moritz, Berlin, Germany. Apparatus for concentrating, drying, and crystallizing. No. 1,062,030; May 20; Gaz. vol. 190; p. 576.
- Prall, Edgar F., Saranac Lake, N. Y. Rotary engine. No. 1,064,169; June 10; Gaz. vol. 191; p. 377.
- Prall, Edgar F., Saranac Lake, N. Y. Gas-engine. No. 1,071,342; Aug. 26; Gaz. vol. 193; p. 871.
- Pramschüfer, Franz W., Baltimore, Md. Spring-wheel. No. 1,081,146; Dec. 9; Gaz. vol. 197; p. 453.
- Prat, Joseph A. (See Jobin and Prat.)
- Prat, Jules, Paris, France. Mechanical device for creating forced draft. No. 1,058,385; Apr. 8; Gaz. vol. 189; p. 386.
- Prather, Frank M., Los Angeles, Cal. Pneumatic power-transmission mechanism. No. 1,055,557; Mar. 11; Gaz. vol. 188; p. 339.
- Prather, Frank M., Los Angeles, Cal. Packing-joint. No. 1,061,633; May 13; Gaz. vol. 190; p. 404.
- Prather, Frank M., Los Angeles, Cal. Power-transmitter. No. 1,067,441; July 15; Gaz. vol. 192; p. 596.
- Prather, Frank M., Los Angeles, Cal. Spring-felly. No. 1,079,925; Nov. 25; Gaz. vol. 196; p. 1021.
- Prather, Willis M., Kansas City, Mo. Vault-light. No. 1,049,530; Jan. 7; Gaz. vol. 186; p. 71.
- Pratt, Allison A., New York, N. Y. Vehicle-mounting. No. 1,057,979; Apr. 1; Gaz. vol. 189; p. 199.
- Pratt, Allison A., New York, N. Y. Vehicle-mounting. No. 1,080,847; Dec. 9; Gaz. vol. 197; p. 356.
- Pratt, Alphonso C., Montclair, N. J. Machine for making link mesh. No. 1,071,790; Sept. 2; Gaz. vol. 194; p. 43.
- Pratt, Alphonso C., Montclair, N. J., assignor to The Fuller Manufacturing Company, New Haven, Conn. Paper-feeding mechanism. No. 1,071,343; Aug. 26; Gaz. vol. 193; p. 872.
- Pratt, Arthur D., New York, N. Y., assignor to The Babcock & Wilcox Company, Bayonne, N. J. Water-tube boiler. No. 1,051,912; Feb. 4; Gaz. vol. 187; p. 22.
- Pratt, Arthur D., New York, N. Y., assignor to The Babcock & Wilcox Company, Bayonne, N. J. Water-tube boiler. No. 1,051,913; Feb. 4; Gaz. vol. 187; p. 22.
- Pratt, De Villo S., Binghamton, N. Y. Means for operating the latches of emergency-doors and the like. No. 1,056,937; Mar. 25; Gaz. vol. 188; p. 874.
- Pratt, Don E., San Francisco, Cal. Internal-combustion engine. No. 1,080,123; Dec. 2; Gaz. vol. 197; p. 72.
- Pratt, Edward W., Chicago, Ill., assignor to himself, and M. O'Connor, Missouri Valley, Iowa, trustees. Steam-boiler. No. 1,078,216; Nov. 11; Gaz. vol. 196; p. 366.
- Pratt, Frank W., Ambridge, and B. J. Dickinson, Fair Oaks, Pa. Toy catapult. No. 1,072,988; Sept. 9; Gaz. vol. 194; p. 487.
- Pratt, Herbert E., New York, N. Y., assignor to Gould Storage Battery Company. Battery-plate separator. No. 1,056,299; Mar. 18; Gaz. vol. 188; p. 624.
- Pratt, L. S., *et al.* (See Bellhouse, Thomas F., assignor.)
- Pratt, Leonard. (See Holland, Ralph W., assignor.)
- Pratt, Nathaniel P., Decatur, assignor to White-Stone Marble Company, Atlanta, Ga. Stone-rubbing machine. No. 1,057,773; Apr. 1; Gaz. vol. 189; p. 128.
- Pratt, Philip W., Boston, Mass. Flag and staff. No. 1,062,850; May 27; Gaz. vol. 190; p. 891.
- Pratt, Philip W., Boston, Mass. Resilient tread. No. 1,082,096; Dec. 23; Gaz. vol. 197; p. 839.
- Pratt, Samuel T., Nanticoke, Pa. Coal-separator. No. 1,058,259; Apr. 8; Gaz. vol. 189; p. 341.
- Pratt & Whitney Company. (See Hanson, Bengt M. W., assignor.)
- Pratt & Whitney Company. (See Sears, Willard T., assignor.)
- Pratt, William, and G. Pegg, Leicester, England, assignors to United Shoe Machinery Company, Paterson, N. J. Machine for inserting fastenings. No. 1,070,066; Aug. 12; Gaz. vol. 193; p. 364.
- Pratt, William H., Lynn, Mass., assignor to General Electric Company. Electric meter. No. 1,062,031; May 20; Gaz. vol. 190; p. 576.
- Pratt, William H., West Lynn, Mass., assignor to General Electric Company. Frequency-indicator. No. 1,076,448; Oct. 21; Gaz. vol. 195; p. 696.
- Pratt, William H., Lynn, Mass., assignor to General Electric Company. Electrical measuring instrument. No. 1,077,429; Nov. 4; Gaz. vol. 196; p. 67.
- Pratte, Lucien, Waterbury, Conn. Rotary stirrer. No. 1,053,533; Feb. 18; Gaz. vol. 187; p. 655.
- Predock, George E., assignor to Udell-Predock Manufacturing Company, St. Louis, Mo. Combination player and piano bench. No. 1,049,394; Jan. 7; Gaz. vol. 186; p. 26.
- Prée, August. (See Markus, Adolf, assignor.)
- Prece, James J., Potchefstroom, Transvaal, South Africa. Apparatus for raising automobiles. No. 1,080,581; Dec. 9; Gaz. vol. 197; p. 262.
- Prein, Emil, Hanover, assignor to Prein-Gewebe Actien-Gesellschaft, Hanover-Linden, Germany. Apparatus for weaving fabrics. No. 1,080,298; Dec. 2; Gaz. vol. 197; p. 133.
- Prein-Gewebe Actien-Gesellschaft. (See Prein, Emil, assignor.)
- Preissler, Otto, Grossauheim, near Hanau, and A. Fritz, Darmstadt, Germany. Cigar-machine. No. 1,079,581; Nov. 25; Gaz. vol. 196; p. 900.
- Preiswerk, Ernst, assignor to Society of Chemical Industry in Basle, Basel, Switzerland. Albumin-iron-phosphorus compounds and making same. No. 1,072,989; Sept. 9; Gaz. vol. 194; p. 487.
- Preiswerk, Ernst, and W. Bernoulli, assignors to Society of Chemical Industry in Basle, Basel, Switzerland. Amids of the arylalkyloxyacetic acids and making same. No. 1,061,120; May 6; Gaz. vol. 190; p. 193.
- Preleuthner, Julius, Erie, Pa. Hydraulic press. No. 1,054,868; Mar. 4; Gaz. vol. 188; p. 75.
- Prell, George B. (See Kuehn and Prell.)
- Prell, Hubert, Baltimore, Md. Bottle-closure. No. 1,063,384; June 3; Gaz. vol. 191; p. 73.
- Prellwitz, William, Easton, Pa., assignor to Ingersoll-Rand Company, New York, N. Y. Valve mechanism for fluid-compressors. No. 1,057,089; Mar. 25; Gaz. vol. 188; p. 927.
- Prellwitz, William, Easton, Pa., assignor to Ingersoll-Rand Company, New York, N. Y. Hammer-drill. No. 1,057,169; Mar. 25; Gaz. vol. 188; p. 954.
- Prellwitz, William, Easton, Pa., assignor to Ingersoll-Rand Company, New York, N. Y. Fluid-compressor. No. 1,069,287; Aug. 5; Gaz. vol. 193; p. 70.
- Prellwitz, William, Easton, Pa., assignor to Ingersoll-Rand Company, New York, N. Y. Fluid-feeding attachment for hollow drill-steels. No. 1,069,288; Aug. 5; Gaz. vol. 193; p. 70.
- Prellwitz, William, Easton, Pa., assignor to Ingersoll-Rand Company, New York, N. Y. Fluid-pressure-operated tool. No. 1,069,289; Aug. 5; Gaz. vol. 193; p. 70.
- Prellwitz, William, Easton, Pa., assignor to Ingersoll-Rand Company, New York, N. Y. Hammer-drill. No. 1,078,952; Nov. 18; Gaz. vol. 196; p. 652.
- Prellwitz, William, Easton, Pa., assignor to Ingersoll-Rand Company, New York, N. Y. Hammer-drill. No. 1,078,953; Nov. 18; Gaz. vol. 196; p. 652.
- Premier Electric Company. (See Chappell, James M., assignor.)
- Premo, Alexander. (See Paris and Premo.)
- Premo, Bertrand L., Newark, N. J. Safety-razor. No. 1,061,324; May 13; Gaz. vol. 190; p. 296.
- Premont, Alphonse U., Springfield, Mass. Wind-shield for automobiles. No. 1,078,376; Nov. 11; Gaz. vol. 197; p. 424.
- Prendergast, Alois P. (See Curran and Prendergast.)
- Prentice, George E., New Britain, Conn. Cast-off. No. 1,053,643; Feb. 18; Gaz. vol. 187; p. 692.
- Prentice, George E., New Britain, Conn. Garment-clasp. No. 1,075,725; Oct. 14; Gaz. vol. 195; p. 418.
- Prentice, Thomas, Bridgeport, assignor to The Stanley Rule & Level Company, New Britain, Conn. Boring and drilling tool. No. 1,052,423; Feb. 4; Gaz. vol. 187; p. 197.
- Prenzel, Adam H., Halifax, Pa., assignor to United Shoe Machinery Company, Paterson, N. J. Making shoes. No. 1,050,040; Jan. 7; Gaz. vol. 186; p. 244.
- Prepayment Car Sales Company. (See Remelius, Charles A., assignor.)

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- Prescott, Ernest C., Haverhill, Mass. Combined kitchen and ironing table. No. 1,069,978; Aug. 12; Gaz. vol. 193; p. 335.
- Prescott, Ira K., Arlington, N. J. Curtain-fixture. No. 1,070,842; Aug. 19; Gaz. vol. 193; p. 671.
- Prescott, Jesse, Webster, Mass. Refuse-burner. No. 1,069,577; Aug. 5; Gaz. vol. 193; p. 168.
- Prescott, Lucien J., Belmont, N. Y. Line-marking device. No. 1,064,087; June 10; Gaz. vol. 191; p. 348.
- Prescott, Sydney I., Brooklyn, N. Y. Clutch. No. 1,049,531; Jan. 7; Gaz. vol. 186; p. 71.
- Prescott, Sydney I., Brooklyn, N. Y. Clutch. No. 1,049,532; Jan. 7; Gaz. vol. 186; p. 72.
- Prescott, Sydney I., assignor to International Cigar Machinery Company, New York, N. Y. Apparatus for making cigar-bunches. No. 1,051,005; Jan. 21; Gaz. vol. 186; p. 646.
- Prescott, Sydney I., assignor to International Cigar Machinery Company, New York, N. Y. Wrapping-machine. No. 1,075,224; Oct. 7; Gaz. vol. 195; p. 219.
- Preslar, John C., San Antonio, Tex. Magnetic separator. No. 1,051,758; Jan. 28; Gaz. vol. 186; p. 931.
- Presley, William J., Grand Haven, Mich. Primer for internal-combustion engines. No. 1,076,783; Oct. 28; Gaz. vol. 195; p. 868.
- Presnell, Amos, Scobey, Mont. Land-roller. No. 1,067,677; July 15; Gaz. vol. 192; p. 677.
- Pressed Prism Plate Glass Company. (See Ross, Myron A., assignor.)
- Pressed Steel Car Company. (See Lockwood, Burns D., assignor.)
- Pressey, Burt J., Newport News, Va. Aeroplane. No. 1,077,750; Nov. 4; Gaz. vol. 196; p. 175.
- Pressey, Burt J., Newport News, Va. Aeroplane. No. 1,081,147; Dec. 9; Gaz. vol. 197; p. 453.
- Pressl, John A. (See Ballance, John, assignor.)
- Prestien, Robert H., Norfolk, Va. Fruit-dipper. No. 1,057,269; Mar. 25; Gaz. vol. 188; p. 988.
- Prestien, Robert H., Norfolk, Va. Automobile attachment. No. 1,079,951; Dec. 2; Gaz. vol. 197; p. 10.
- Presto Electrical Manufacturing Company. (See Schoenberg, Milton H., assignor.)
- Preston, Andrew W., et al., trustees. (See McMullen, George W. and G. B., assignors.) (Reissue.)
- Preston, Edward E., Leicester, England. Circular-knitting machine. No. 1,079,144; Nov. 18; Gaz. vol. 196; p. 720.
- Preston, Edwin W., and G. L. Nickerson, Sioux City, Iowa. Relay system. No. 1,056,300; Mar. 18; Gaz. vol. 188; p. 624.
- Preston, Frederick A., Highland Park, assignor to The P. & M. Co., Chicago, Ill. Rail-fastening for steel ties. No. 1,052,424; Feb. 4; Gaz. vol. 187; p. 198.
- Preston, Frederick A., Highland Park, assignor to The P. & M. Company, Chicago, Ill. Anticreeper for rails. No. 1,058,015; Apr. 1; Gaz. vol. 189; p. 212.
- Preston, Frederick A., Highland Park, Ill., assignor to The P. & M. Company. Means for preventing the creeping of rails. No. 1,066,145; July 1; Gaz. vol. 192; p. 84.
- Preston, George K. (See Hertz, Isaak and E. A., assignors.)
- Preston, Joseph H., Ottawa, Ontario, Canada. Electric alarm for locks. No. 1,059,759; Apr. 22; Gaz. vol. 189; p. 928.
- Preston, Leonard Z., Leavenworth, Kans. Churn. No. 1,070,728; Aug. 19; Gaz. vol. 193; p. 633.
- Preston, Ralph A. D., assignor to The Goodyear Tire and Rubber Company, Akron, Ohio. Ballast device. No. 1,076,060; Oct. 21; Gaz. vol. 195; p. 561.
- Preston, Ray W., Connerville, Ind., assignor to United Vacuum Appliance Company, Paterson, N. J. Automatic valve-controlling means. No. 1,062,553; May 20; Gaz. vol. 190; p. 750.
- Prestwich, Frank M., New York, N. Y. Garment. No. 1,071,955; Sept. 2; Gaz. vol. 194; p. 97.
- Prestwich, John A., Tottenham, London, England. Valve-gear for internal-combustion engines. No. 1,073,284; Sept. 16; Gaz. vol. 194; p. 625.
- Preszter, Rezső, Budapest, Austria-Hungary. Cabinet for talking-machines. No. 1,069,578; Aug. 5; Gaz. vol. 193; p. 168.
- Preszter, Rezső, Budapest, Austria-Hungary. Disk talking-machine. No. 1,076,643; Oct. 21; Gaz. vol. 195; p. 766.
- Prettyman, Francis M., Mallard, Minn. Motor-truck. No. 1,083,134; Dec. 30; Gaz. vol. 197; p. 1227.
- Prettyman, Francis M., Mallard, Minn. Motor-truck. No. 1,083,135; Dec. 30; Gaz. vol. 197; p. 1227.
- Prettyman, Lewis C., Los Angeles, Cal. Combined hose-coupling and faucet. No. 1,052,088; Feb. 4; Gaz. vol. 187; p. 84.
- Preuss, John, Chicago, Ill. Clutch-operating mechanism for automobiles. No. 1,051,446; Jan. 28; Gaz. vol. 186; p. 328.
- Preussler, August, Klettendorf, near Breslau, Germany. Tilting car. No. 1,081,061; Dec. 9; Gaz. vol. 197; p. 425.
- Prevost, Frank, Oakland, Cal. Preparing a food product. No. 1,076,147; Oct. 21; Gaz. vol. 195; p. 591.
- Prevost, Frank, assignor to one-half to C. Driscoll, Oakland, Cal. Making a food product. No. 1,076,227; Oct. 21; Gaz. vol. 195; p. 618.
- Prewett, John D., Joplin, Mo. Boot and shoe jack. No. 1,065,079; June 17; Gaz. vol. 191; p. 718.
- Pribil, Alexis R., Detroit, Mich. Carbureter. No. 1,080,166; Dec. 2; Gaz. vol. 197; p. 87.
- Pribil, Alexis R., assignor to Penberthy Injector Co., Detroit, Mich. Lubricator. No. 1,050,690; Jan. 14; Gaz. vol. 186; p. 499.
- Pribil, Alexis R., assignor to Penberthy Injector Co., Detroit, Mich. Automatic cellar-drainer. No. 1,063,468; June 3; Gaz. vol. 191; p. 100.
- Pribil, Alexis R., assignor to Penberthy Injector Co., Detroit, Mich. Valve. No. 1,068,927; July 29; Gaz. vol. 192; p. 1179.
- Pribnow, Albert F., Mellen, Wis. Electric-incandescent-lamp carrier. No. 1,077,751; Nov. 4; Gaz. vol. 196; p. 175.
- Pribnow, John F., Mellen, Wis. Swage-shaper. No. 1,078,377; Nov. 11; Gaz. vol. 196; p. 424.
- Pribnow, John F., Mellen, Wis. Emery-wheel bench-grinder. No. 1,081,465; Dec. 16; Gaz. vol. 197; p. 599.
- Price, Charles, Clinton, Mass. Automobile valve-lifter. No. 1,051,633; Jan. 28; Gaz. vol. 186; p. 891.
- Price, Charles H., Jr., Hyde Park, assignor of one-half to F. Francilow, Medford, Mass. Bath-tub lining. No. 1,081,987; Dec. 23; Gaz. vol. 197; p. 801.
- Price, Charles P., Malden, Mass., assignor, by mesne assignments, to Bituminous Road Implement Company. Fluid-distributing machine. No. 1,083,030; Dec. 30; Gaz. vol. 197; p. 1194.
- Price, Charles W., assignor to American Car and Foundry Company, St. Louis, Mo. Car-door hanger. No. 1,078,954; Nov. 18; Gaz. vol. 196; p. 652.
- Price, Ernest W. (See Langley and Price.)
- Price, Foster J., Upton Park, England. Apparatus for issuing or distributing cards, tokens, and goods. No. 1,053,534; Feb. 18; Gaz. vol. 187; p. 655.
- Price, Francis G. S., Glasgow, Scotland. Metallic joint and making the same. No. 1,067,755; July 15; Gaz. vol. 192; p. 702.
- Price, Frederick, Coventry, England. Adjustable reamer, tap, and the like. No. 1,062,114; May 20; Gaz. vol. 190; p. 605.
- Price, George H., Queenstown, Cape Colony. Preparation for automatically sealing punctures in pneumatic tires. No. 1,064,769; June 17; Gaz. vol. 191; p. 617.
- Price, Gomer W., Oakland, Cal. Changeable-speed transmission mechanism. No. 1,060,024; Apr. 29; Gaz. vol. 189; p. 1059.
- Price, Gomer W., San Francisco, Cal. Centrifugal pump. No. 1,072,650; Sept. 9; Gaz. vol. 194; p. 363.
- Price, James. (See Roy and Hindley, assignors.)
- Price, James, St. Williams, Ontario, Canada. Pipe-wrench. No. 1,050,169; Jan. 14; Gaz. vol. 186; p. 322.
- Price, James, Holland, Mich. Lawn-sprinkler. No. 1,052,620; Feb. 11; Gaz. vol. 187; p. 298.
- Price, James, and W. G. Winter, Holland, Mich. Fumigator. No. 1,082,097; Dec. 23; Gaz. vol. 197; p. 840.
- Price, John, Johnstown, Pa. Nut-locking device. No. 1,058,386; Apr. 8; Gaz. vol. 189; p. 386.
- Price, John W., Pittsburg, Tex. Hub ball-bearing. No. 1,071,086; Aug. 26; Gaz. vol. 193; p. 786.
- Price, Joseph, Providence, R. I. Continuous mixing-machine. No. 1,061,497; May 13; Gaz. vol. 190; p. 355.
- Price, Joseph P., Cleveland, Tex. Oil-burner. No. 1,064,088; June 10; Gaz. vol. 191; p. 349.
- Price, Max, New Eagle, Pa. Antirefillable bottle. No. 1,068,007; July 22; Gaz. vol. 192; p. 821.
- Price, Mitchell D., Miami, Fla. Wheel. No. 1,078,461; Nov. 11; Gaz. vol. 196; p. 452.
- Price, Nathan W., Columbus, Miss. Currycomb. No. 1,076,228; Oct. 21; Gaz. vol. 195; p. 618.
- Price, Raymond B., Chicago, Ill. Apparatus for vulcanizing rubber. No. 1,081,330; Dec. 16; Gaz. vol. 197; p. 554.
- Price, Rhea G., Auburn, Ky. Fly-trap. No. 1,082,358; Dec. 23; Gaz. vol. 197; p. 931.
- Price, Robert B., Stoneham, Mass. Boiler-tube blower. No. 1,057,980; Apr. 1; Gaz. vol. 189; p. 199.
- Price, Thomas M., and W. A. Tynes, Cooper, Tex. Setting-tool for brads, &c. No. 1,052,846; Feb. 11; Gaz. vol. 187; p. 374.
- Price, Welcome B., assignor to Sponge Rubber Inner Heel Company, New York, N. Y. Ventilating-cushion for boots and the like. No. 1,056,828; Mar. 25; Gaz. vol. 188; p. 835.
- Price, Willard J., New York, N. Y. Portable booth. No. 1,065,272; June 17; Gaz. vol. 191; p. 780.
- Price, William, and H. E. Sheridan, Scranton, Pa. Lock-switch. No. 1,077,554; Nov. 4; Gaz. vol. 196; p. 110.
- Price, William C., Chicago, Ill., assignor, by mesne assignments, to F. P. Motor Wagon Company. Gearing for motor-vehicles. No. 1,072,165; Sept. 2; Gaz. vol. 194; p. 170.
- Price, William G., New Castle, Pa. Brake-rigging. No. 1,053,216; Feb. 18; Gaz. vol. 187; p. 545.
- Price, William G., New Castle, Pa. Brake-rigging. No. 1,064,249; June 10; Gaz. vol. 191; p. 404.
- Price, William G., New Castle, Pa. Brake-hanger. No. 1,067,842; July 22; Gaz. vol. 192; p. 765.
- Price, William G., New Castle, Pa. Brake-rigging. No. 1,070,913; Aug. 19; Gaz. vol. 193; p. 694.

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- Price, William G., New Castle, Pa. Damping device for truck-bolsters. No. 1,073,625; Sept. 23; Gaz. vol. 194; p. 765.
- Price, William G., New Castle, Pa. Damping device for truck-bolsters. No. 1,073,626; Sept. 23; Gaz. vol. 194; p. 765.
- Price, William G., New Castle, Pa. Damping device for truck-bolsters. No. 1,073,627; Sept. 23; Gaz. vol. 194; p. 765.
- Price, William J., assignor of one-half to O. Reinhart, Birmingham, Ala. Rake. No. 1,079,264; Nov. 18; Gaz. vol. 196; p. 759.
- Price, William T., Minneapolis, Minn. Film-package and holder. No. 1,070,843; Aug. 19; Gaz. vol. 193; p. 671.
- Prickett, Walter S. (See Angood, Ney, assignor.)
- Priddy, Edwin S., Gothenburg, Nebr., assignor to Western Mail Transfer Company, Incorporated. Mail-bag collecting and delivering apparatus. No. 1,061,498; May 13; Gaz. vol. 190; p. 355.
- Pride, John H., Kidder, S. D. Bath-cabinet. No. 1,061,565; May 13; Gaz. vol. 190; p. 382.
- Pride, John H., Kidder, S. D. Bathing-brush. No. 1,061,566; May 13; Gaz. vol. 190; p. 382.
- Pride, William I., and H. O. Schroeter, Pawtucket, R. I. Nut-lock. No. 1,079,880; Nov. 25; Gaz. vol. 196; p. 1004.
- Pridham, Edwin S. (See Jensen and Pridham.)
- Priebe, Herman C., Chicago, Ill. Tank-car. No. 1,056,053; Mar. 18; Gaz. vol. 188; p. 540.
- Priebe, Herman C., Chicago, Ill. Hopper-car. No. 1,077,299; Nov. 4; Gaz. vol. 196; p. 19.
- Priebe, Herman C., Blue Island, Ill. Friction draft-gear. No. 1,063,213; June 3; Gaz. vol. 191; p. 15.
- Priebe, Herman C., Blue Island, Ill. Vehicle. No. 1,066,146; July 1; Gaz. vol. 192; p. 85.
- Priebe, Herman C., Blue Island, Ill. Friction draft-gear. No. 1,082,098; Dec. 23; Gaz. vol. 197; p. 840.
- Priest, George W., Newton, Mass. Apparatus for lining pipes. No. 1,072,495; Sept. 9; Gaz. vol. 194; p. 309.
- Priest, George W., Newton, Mass. Core for the manufacture of cement and cement-lined pipes. No. 1,076,229; Oct. 21; Gaz. vol. 195; p. 618.
- Priest, Irwin G., Washington, D. C. Photometric device. No. 1,072,166; Sept. 2; Gaz. vol. 194; p. 170.
- Priest, R. W., trustee. (See Rendall, George F., assignor.)
- Priester, Charles. (See Roemer and Priester.)
- Priester, Frederick W., Newark, and P. Schoellner, Irvington, N. J. Safety-catch for jewelry. No. 1,059,633; Apr. 22; Gaz. vol. 189; p. 886.
- Priestman, Albert, Philadelphia, Pa. Treating sewage. No. 1,080,926; Dec. 9; Gaz. vol. 197; p. 383.
- Prieto Machine Co. (See Prieto, Manuel, assignor.)
- Prieto, Manuel, Mérida, Mexico, assignor to Prieto Machine Co. Inc. Decorticating-machine. No. 1,051,006; Jan. 21; Gaz. vol. 186; p. 646.
- Priggen, George, Arlington, Mass. Guide-rail lubricator for elevators. No. 1,052,171; Feb. 4; Gaz. vol. 187; p. 114.
- Prillipp, Willie R., Meservey, Iowa. Governor mechanism for explosive-engines. No. 1,054,985; Mar. 4; Gaz. vol. 188; p. 113.
- Prim, John C., Ames, Colo. Door-hanger. No. 1,067,678; July 15; Gaz. vol. 192; p. 678.
- Prime, Daniel N., Lynn, Mass., assignor to United Shoe Machinery Company, Paterson, N. J. Expansible die. No. 1,049,599; Jan. 7; Gaz. vol. 186; p. 97.
- Prime, Daniel N., Lynn, Mass., assignor to United Shoe Machinery Company, Paterson, N. J. Cutting apparatus. No. 1,075,064; Oct. 7; Gaz. vol. 195; p. 165.
- Prime, Daniel N., Lynn, and E. Ashton, Swampscott, Mass., assignors to United Shoe Machinery Company, Paterson, N. J. Press. No. 1,070,729; Aug. 19; Gaz. vol. 193; p. 634.
- Primm, John M., assignor to The Power Manufacturing Company, Lima, Ohio. Pitman connection. No. 1,057,270; Mar. 25; Gaz. vol. 188; p. 988.
- Primm, John M., assignor to The Power Manufacturing Company, Lima, Ohio. Governor. No. 1,057,271; Mar. 25; Gaz. vol. 188; p. 988.
- Primrose, John, Dansville, N. Y. Steam-superheating apparatus for locomotive-boilers. No. 1,060,359; Apr. 29; Gaz. vol. 189; p. 1175.
- Primrose, John, New York, N. Y. Superheater for locomotive-boilers. No. 1,060,360; Apr. 29; Gaz. vol. 189; p. 1176.
- Primrose, John, New York, N. Y. Superheater. No. 1,076,315; Oct. 21; Gaz. vol. 195; p. 649.
- Primrose, John, New York, and G. Harter, Dansville, assignors to Power Specialty Company, New York, N. Y. Marine superheater. No. 1,064,250; June 10; Gaz. vol. 191; p. 404.
- Prince, Herbert, New York, N. Y. Propeller for aeroplanes. No. 1,068,271; July 22; Gaz. vol. 192; p. 912.
- Prince, Morton P., Cambridge, and C. M. Bernheimer, Newburyport, Mass. Sectional pneumatic tire. No. 1,054,312; Feb. 25; Gaz. vol. 187; p. 955.
- Prince, Wallace A., Quincy, assignor to J. C. Kent, trustee, Cambridge, Mass. Storage battery. No. 1,069,809; Aug. 12; Gaz. vol. 193; p. 278.
- Prince, Walter F., Elizabeth, N. J. Removing sulfur from cast-iron. No. 1,081,403; Dec. 16; Gaz. vol. 197; p. 578.
- Prince, Wiley W., Ellisville, Miss. Gate-latch. No. 1,074,013; Sept. 23; Gaz. vol. 194; p. 899.
- Prindle, Charles A., Chicago, Ill. Chain. No. 1,058,260; Apr. 8; Gaz. vol. 189; p. 341.
- Prindle, Edwin J., Washington, D. C., assignor, by mesne assignments, to United Shoe Machinery Company, Boston, Mass. Machine for making lasts. No. 1,069,173; Aug. 5; Gaz. vol. 193; p. 29.
- Prindle, Henry U., assignor to Planetary Machinery Company, San Francisco, Cal. Gearing. No. 1,064,930; June 17; Gaz. vol. 191; p. 667.
- Prindle, Henry U., assignor to Planetary Machinery Company, Incorporated, San Francisco, Cal. Concrete-mixer. No. 1,079,952; Dec. 2; Gaz. vol. 197; p. 10.
- Prindle, William E., Manitowoc, Wis. Drier. No. 1,056,121; Mar. 18; Gaz. vol. 188; p. 564.
- Pring, John N. (See Tainton and Pring.)
- Pring, John R., Shawnee, Okla. Rail-joint. No. 1,051,822; Jan. 28; Gaz. vol. 186; p. 953.
- Pring, John R., assignor of one-half to W. N. Hurt, Shawnee, Okla. Oil-burner. No. 1,064,251; June 10; Gaz. vol. 191; p. 405.
- Pringle, Alexander, Everett, Mass. Golf-club. No. 1,058,463; Apr. 8; Gaz. vol. 189; p. 412.
- Pringle, George C., Biloxi, Miss. Tool for installing turpentine-cups. No. 1,073,517; Sept. 16; Gaz. vol. 194; p. 705.
- Printers Specialties Company. (See McGinty, Bernard, assignor.)
- Prior, Alfred, and R. W. Brickell, Dunedin, New Zealand. Box. No. 1,074,815; Oct. 7; Gaz. vol. 195; p. 77.
- Prior, Thomas W., and F. A. Church, Venice, Cal. Merry-go-round. No. 1,082,764; Dec. 30; Gaz. vol. 197; p. 1104.
- Prisciantelli, Mike, assignor to Behning Piano Company, New York, N. Y. Front panel for player-pianos. No. 1,060,627; May 6; Gaz. vol. 190; p. 22.
- Priset, Clarence J., Wellsboro, Pa. Potato-dropper. No. 1,078,165; Nov. 11; Gaz. vol. 196; p. 348.
- Pritchard, Carl B. (See Potter, Pritchard, and Marquet.)
- Pritchard, George T., Norfolk, Va. Tag-addressing machine. No. 1,070,176; Aug. 12; Gaz. vol. 193; p. 404.
- Pritchard, Joseph L., Oklahoma, Okla. Irrigation plant. No. 1,058,464; Apr. 8; Gaz. vol. 189; p. 412.
- Pritchard, Thomas, Dixie, Idaho. Animal-trap. No. 1,053,217; Feb. 18; Gaz. vol. 187; p. 545.
- Pritchard, William C., Lancaster, Pa. Combined grinding and cleaning mill. No. 1,049,395; Jan. 7; Gaz. vol. 186; p. 27.
- Pritchard, William C., assignor to National Store Specialty Company, Lancaster, Pa. Sealing attachment for pumps. No. 1,067,374; July 15; Gaz. vol. 192; p. 574.
- Pritchard, William C., assignor to National Store Specialty Company, Lancaster, Pa. Register. No. 1,078,166; Nov. 11; Gaz. vol. 196; p. 349.
- Pritchett, Ponder L., Fort Worth, Tex. Cord-adjuster for electric lights. No. 1,079,720; Nov. 25; Gaz. vol. 196; p. 947.
- Pritz, Lorenz L., assignor to Underwood Typewriter Company, New York, N. Y. Desk-clamp for type-writing machines. No. 1,064,005; June 10; Gaz. vol. 191; p. 321.
- Probasco, Charles M., assignor to Art Metal Construction Company, Jamestown, N. Y. Filing system. No. 1,054,239; Feb. 25; Gaz. vol. 187; p. 932.
- Probert, Edwin R., Covington, Ky. Sheet-metal culvert. No. 1,066,945; July 8; Gaz. vol. 192; p. 392.
- Probert, Edwin R., Covington, Ky. Filing device for letters and the like. No. 1,068,819; July 29; Gaz. vol. 192; p. 1142.
- Probst, Karl, assignor to The Stone-Probst Axle Company, Columbus, Ohio. Transmission-gearing. No. 1,082,907; Dec. 30; Gaz. vol. 197; p. 1154.
- Prochaska, Friedrich, Charlottenburg, assignor to Siemens & Halske A. G., Berlin, Germany. Rail-circuit-closing contact. No. 1,072,030; Sept. 2; Gaz. vol. 194; p. 124.
- Prochnow, Otto, assignor of one-half to E. A. Funk, West Allis, Wis. Strap-support for guns. No. 1,051,914; Feb. 4; Gaz. vol. 187; p. 23.
- Procter and Gamble Company, The. (See Carr, Albert B., assignor.)
- Proctor, Alfred W., New York, N. Y., assignor to Gillette Safety Razor Company. Razor. No. 1,057,272; Mar. 25; Gaz. vol. 188; p. 989.
- Proctor, Barton A., assignor to Picturegraph Company, New York, N. Y. Film-gate for moving-picture machines. No. 1,064,252; June 10; Gaz. vol. 191; p. 405.
- Proctor, Barton A., assignor to Picturegraph Company, New York, N. Y. Automatic shutter-worker. No. 1,081,331; Dec. 16; Gaz. vol. 197; p. 554.
- Proctor, Charles M., Detroit, Mich. Electric bell. No. 1,060,628; May 6; Gaz. vol. 190; p. 22.
- Proctor, George R., Grand View, Idaho. Universal regulator for irrigating. No. 1,054,986; Mar. 4; Gaz. vol. 188; p. 113.
- Proctor, Olin S., New York, N. Y. Rock-breaking shovel. No. 1,067,375; July 15; Gaz. vol. 192; p. 574.

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- Proctor, William H., Ralston, Pa. Metallic railway-tie. No. 1,074,014; Sept. 23; Gaz. vol. 194; p. 899.
- Proctor, William M., Cheboygan, Mich. Pea-vine cutter and gatherer. No. 1,055,224; Mar. 4; Gaz. vol. 188; p. 190.
- Proeger, Luis W., Pittsburgh, Pa. Apparatus for making glassware. No. 1,056,579; Mar. 18; Gaz. vol. 188; p. 721.
- Proeger, Luis W., Pittsburgh, Pa. Feeding molten glass to molds. No. 1,059,634; Apr. 22; Gaz. vol. 189; p. 886.
- Proffitt, Chastain D., Richmond, Va. Turbine. No. 1,066,946; July 8; Gaz. vol. 192; p. 392.
- Proffitt, Edward H., assignor of one-half to T. W. Roberts, Radford, Va. Core-bar. No. 1,058,465; Apr. 8; Gaz. vol. 189; p. 413.
- Progress Manufacturing Company. (See Riley, Lester S., assignor.)
- Progressive Holding Company. (See Le Brocq, Richard F., assignor.)
- Progressive Manufacturing Company. (See Funk, John E., assignor.)
- Promenchenkel, Charles. (See Drake and Promenchenkel.)
- Pronovost, Joseph, Polson, assignor of one-tenth to G. Beaulieu and one-tenth to L. S. Ropes, Helena, Mont. Combined cant-hook and pick. No. 1,065,468; June 24; Gaz. vol. 191; p. 886.
- Pronovost, Joseph, and R. E. Duncan, Helena, Mont. Ventilator-control apparatus. No. 1,073,285; Sept. 16; Gaz. vol. 194; p. 626.
- Pronovost, Joseph, and H. S. Miller, Helena, Mont. Resilient wheel. No. 1,074,064; Sept. 23; Gaz. vol. 194; p. 915.
- Propson, Harry E., assignor of one-fifth to C. W. Hird, one-fifth to F. D. Hastings, Plainville, one-fifth to H. O. Schmidt, New Britain, and one-fifth to L. M. Schmidt, Hartford, Conn. Machine for making perforated sheet-music. No. 1,064,253; June 10; Gaz. vol. 191; p. 405.
- Prosig, Engelbert, Mährisch-Schönberg, Austria-Hungary. Machine for the manufacture of artificial slates and such like. No. 1,060,122; Apr. 29; Gaz. vol. 189; p. 1091.
- Prosseda, John, Fredonia, N. Y. Rotary steam-engine. No. 1,054,612; Feb. 25; Gaz. vol. 187; p. 1058.
- Prosser Engineering Co. (See Prosser, Joseph F., assignor.)
- Prosser, Henry B., Chicago, Ill. Boat. No. 1,075,726; Oct. 14; Gaz. vol. 195; p. 418.
- Prosser, John Z., *et al.* (See Putman, George F., assignor.)
- Prosser, Joseph F., assignor to Prosser Engineering Co., Cleveland, Ohio. Bottle-capping machine. No. 1,081,466; Dec. 16; Gaz. vol. 197; p. 600.
- Proszynski, Casimir de, Warsaw, Russia. Portable kinematographic camera. No. 1,052,956; Feb. 11; Gaz. vol. 187; p. 413.
- Protective Signal Manufacturing Company, The. (See Alexander, William W., assignor.)
- Protective Signal Manufacturing Company, The. (See Alexander and Keim, assignors.)
- Protective Signal Manufacturing Company, The. (See Keim and Alexander, assignors.)
- Protze, Charles R., West Brookville, N. Y. Producing imitation sable-fur. No. 1,059,760; Apr. 22; Gaz. vol. 189; p. 929.
- Prouty, Enoch, Chicago, Ill. Explosive-engine. No. 1,082,237; Dec. 23; Gaz. vol. 197; p. 887.
- Prouty, Theodore C., assignor to Acorn Brass Manufacturing Company, Aurora, Ill. Sad-iron. No. 1,061,634; May 13; Gaz. vol. 190; p. 404.
- Provan, James W., Oshawa, Ontario, Canada. Golf-club. No. 1,071,344; Aug. 26; Gaz. vol. 193; p. 872.
- Provencher, Norven. (See Pierce and Provencher.)
- Provost, Peter, Milwaukee, Wis. Grain-drier. No. 1,074,977; Oct. 7; Gaz. vol. 195; p. 131.
- Pruden, Clarence D., Baltimore, Md. Sheet-metal house. No. 1,062,994; May 27; Gaz. vol. 190; p. 938.
- Pruden, John F., Carnegie, Pa. Inflatable horse-collar. No. 1,080,848; Dec. 9; Gaz. vol. 197; p. 357.
- Pruess, Carl W., West Branch, Iowa. Ice-cutting machine. No. 1,050,291; Jan. 14; Gaz. vol. 186; p. 363.
- Pruett, Haskell, Reed, Okla. Cotton-chopper. No. 1,078,749; Nov. 18; Gaz. vol. 196; p. 582.
- Prugh, Harry H., *et al.*, trustees. (See Kohnle, Frederick, assignor.)
- Prugh, Marion A. (See Wertz and Prugh.)
- Prugh, Walter B., Sinkin, Mo., assignor to P. Gravert, Benson, Nebr. Rolling-drum plow. No. 1,079,920; Nov. 25; Gaz. vol. 196; p. 1019.
- Pruitt, William R. (See Taylor and Pruitt.)
- Pryor, Henry A., London, England. Wheel for road-vehicles. No. 1,082,170; Dec. 23; Gaz. vol. 197; p. 862.
- Pryor, Joseph F., Eugene, Oreg. Bed-spring tightener. No. 1,075,065; Oct. 7; Gaz. vol. 195; p. 165.
- Pryor, Raymond H., assignor of one-half to H. Carter, Pittsburgh, Pa. Electric trap. No. 1,052,957; Feb. 11; Gaz. vol. 187; p. 413.
- Przelomice, Adam, New Haven, Conn. Lock. No. 1,067,135; July 8; Gaz. vol. 192; p. 454.
- Psarski, John T., Cleveland, Ohio. Centrifugal drier. No. 1,071,956; Sept. 2; Gaz. vol. 194; p. 97.
- Psikal, Joseph H., Kildare, Okla. Automatic coffee-measure. No. 1,053,316; Feb. 18; Gaz. vol. 187; p. 580.
- Psilander, Charles A., assignor to William Wharton, Jr., & Company, Incorporated, Philadelphia, Pa. Track structure. No. 1,054,613; Feb. 25; Gaz. vol. 187; p. 1058.
- Psilander, Charles A., assignor to William Wharton, Jr., & Company, Incorporated, Philadelphia, Pa. Spring-switch. No. 1,064,537; June 10; Gaz. vol. 191; p. 503.
- Ptacek-Bird, John H., Chicago, Ill. Spring suspension. No. 1,063,943; June 3; Gaz. vol. 191; p. 265.
- Public Service Cup Company. (See Claussen and Claus, assignors.)
- Public Service Cup Company. (See Nias, Henry, assignor.)
- Pucel, Auguste L., Sceaux, France. Warning apparatus for the protection of valuable objects. No. 1,068,928; July 29; Gaz. vol. 192; p. 1180.
- Puckett, Thomas G. (See Allyn, Walter S., assignor.)
- Puckett, Thomas G. (See Isaacs, William R., assignor.)
- Puckett, William H., Macksville, Kans. Horseshoe. No. 1,059,208; Apr. 15; Gaz. vol. 189; p. 707.
- Pudliner, Jacob, Allentown, Pa. Hinge. No. 1,052,273; Feb. 4; Gaz. vol. 187; p. 148.
- Pudumjee, Furdoonjee D., Bombay Presidency, India. Sound-recording apparatus. No. 1,051,513; Jan. 28; Gaz. vol. 186; p. 851.
- Pue, William A., Carlsbad, N. Mex. Apparel-securing device. No. 1,076,316; Oct. 21; Gaz. vol. 195; p. 649.
- Pugh, Enoch H., Nelsonville, Ohio. Car stopper and starter. No. 1,061,567; May 13; Gaz. vol. 190; p. 382.
- Pugh, John V., and F. Pountney, assignors to Rudge Whitworth Limited, Coventry, England. Combined clutch and speed-varying pulley. No. 1,068,364; July 22; Gaz. vol. 192; p. 944.
- Pugsley, Frank W., Pittsford, N. Y. Treating ores. No. 1,071,791; Sept. 2; Gaz. vol. 194; p. 44.
- Pugsley, William E., assignor of one-half to N. French, Grand Rapids, Mich. Metallic railway-tie and rail-fastener. No. 1,054,869; Mar. 4; Gaz. vol. 188; p. 75.
- Pujol, Frank, St. Charles county, Mo. Lamp-burner. No. 1,053,218; Feb. 18; Gaz. vol. 187; p. 545.
- Pujos, Jean. (See Damaizin and Pujos.)
- Pukerud, Thomas S. (See Grönvigh, Martinus E., assignor.)
- Pulaski, Frank, Brooklyn, N. Y. Scarf-pin. No. 1,056,054; Mar. 18; Gaz. vol. 188; p. 540.
- Pulfer, Robert A. (See Cederquist, Nils H., assignor.)
- Pulit, Joseph, New Haven, Conn. Trolley. No. 1,062,414; May 20; Gaz. vol. 190; p. 706.
- Pullen-Burry, Arthur, Sompting, Worthing, England. Movable hothouse. No. 1,076,230; Oct. 21; Gaz. vol. 195; p. 619.
- Pullen, Edward P., Hackensack, and A. F. Broeckel, West Hoboken, assignors to B. T. Babbitt, Jersey City, N. J. Sifting-top can. No. 1,068,446; July 29; Gaz. vol. 192; p. 1011.
- Pulley, W. P. (See Judia, George H., assignor.)
- Pulliam, James E., Port Washington, N. Y. Corn-protector. No. 1,079,317; Nov. 18; Gaz. vol. 196; p. 777.
- Pulliam, Joseph P., *et al.* (See Jones, Hermon M., assignor.)
- Pulliam, Oswald S., Pittsburgh, Pa. Bolster. No. 1,073,628; Sept. 23; Gaz. vol. 194; p. 766.
- Pulliam, Oswald S., assignor to Pittsburgh Steel Foundry Company, Pittsburgh, Pa. Car body and underframe construction. No. 1,074,200; Sept. 30; Gaz. vol. 194; p. 990.
- Pullman Company, The. (See Dean, Richmond, assignor.)
- Pullman Couch Company. (See Bartlett, Marcus J., assignor.)
- Pullman Manufacturing Company. (See MacLaughlin and Willard, assignors.)
- Pullman Motor Car Company. (See Baum, Henry G., assignor.)
- Pullon, Charles H., assignor to Lane Manufacturing Company, Waterbury, Conn. Fastener assembling and attaching machine. No. 1,069,724; Aug. 12; Gaz. vol. 193; p. 248.
- Pulse, Charles N., Hillsboro, Ohio. Riding attachment for cultivators. No. 1,066,843; July 8; Gaz. vol. 192; p. 355.
- Pulsometer Engineering Company, The. (See Fleuss, Henry A., assignor.)
- Pulver, Charles E., Cosmopolis, Wash. Bale-tie. No. 1,080,778; Dec. 9; Gaz. vol. 197; p. 331.
- Pungs, William A., Detroit, Mich. Sprayer. No. 1,079,721; Nov. 25; Gaz. vol. 196; p. 948.
- Puntenney, Minnie E., Oklahoma, Okla. Teacher's desk. No. 1,060,286; Apr. 29; Gaz. vol. 189; p. 1149.
- Pupin, Emile, London, England. Flying-machine or aeroplane. No. 1,059,905; Apr. 22; Gaz. vol. 189; p. 975.
- Puppe, Johann, Breslau, Germany. Rolling bars or girders of I, H, U, or like section. No. 1,076,784; Oct. 28; Gaz. vol. 195; p. 868.
- Purcell, John, Topeka, Kans. Crank-pin-turning machine. No. 1,059,635; Apr. 22; Gaz. vol. 189; p. 887.
- Purcell, Oren M., assignor of one-half to J. M. Greene, Sweet Water, Tex. Neckyoke or whiffletree coupling. No. 1,066,947; July 8; Gaz. vol. 192; p. 392.

Alphabetical list of patentees—Continued.

- Purdom, William W., St. Louis, Mo. Mechanical movement. No. 1,053,871; Feb. 18; Gaz. vol. 187; p. 769.
- Purdue, William J. (See Ormrod and Purdue.)
- Purdy, I. Francis. (See Cheney and Purdy.)
- Purdy, I. Francis, assignor to J. Purdy, Chicago, Ill. Bunion-plaster. No. 1,052,274; Feb. 4; Gaz. vol. 187; p. 148.
- Purdy, James. (See Purdy, I. Francis, assignor.)
- Purdy, James M., New York, assignor to F. E. Teves, Glen Cove, N. Y. Can-opener. No. 1,076,231; Oct. 21; Gaz. vol. 195; p. 619.
- Purdy, John, Brooklyn, assignor to The Monarch Type-writer Company, Syracuse, N. Y. Type-writing machine. No. 1,052,012; Feb. 4; Gaz. vol. 187; p. 58.
- Purdy, John, New York, assignor to The Monarch Type-writer Company, Syracuse, N. Y. Type-writing machine. No. 1,073,818; Sept. 23; Gaz. vol. 194; p. 832.
- Pure Food Package Company. (See Norman, Lionel, assignor.)
- Pure Food Package Company. (See Norman and Bates, assignors.)
- Pure Food Process Company, The. (See Schmitt, Edward D., assignor.)
- Purinton, Luther A., Burlington, Vt. Paper-bag holder. No. 1,070,528; Aug. 19; Gaz. vol. 193; p. 566.
- Puritan Comb Company. (See Hines and Hicks, assignors.)
- Purity Paper Bottle Corporation. (See Bond, Joseph T., assignor.)
- Purity Paper Bottle Corporation. (See Bond, Joseph T. and C. E., assignors.)
- Purkey, Carl W., Detroit, Mich. Drafting-table. No. 1,077,998; Nov. 11; Gaz. vol. 196; p. 291.
- Purssell, John V., Friendship Heights, Md. Electrical sliding contact. No. 1,080,230; Dec. 2; Gaz. vol. 197; p. 109.
- Purvis, Joseph R., Norwood Grove, Manitoba, Canada. Stereoscopic device. No. 1,072,990; Sept. 9; Gaz. vol. 194; p. 487.
- Puskanen, John J., Chisholm, Minn. Life-preserver. No. 1,059,392; Apr. 22; Gaz. vol. 189; p. 805.
- Puskás, Bálint, assignor of one-half to A. Tarjan, Windber, Pa. Valve. No. 1,069,725; Aug. 12; Gaz. vol. 193; p. 249.
- Putman, George F., assignor of one third to J. Z. Prosser and one-third to H. W. Lighte, Montrose, Colo. Shocker. No. 1,054,030; Feb. 25; Gaz. vol. 187; p. 860.
- Putnam, Albert E., Redlands, Cal. Suction device for wells. No. 1,069,466; Aug. 5; Gaz. vol. 193; p. 133.
- Putnam, Elbert V. (See Hayworth and Putnam.)
- Putnam, Fred A., Melrose, Mass. Printing compound. No. 1,082,099; Dec. 23; Gaz. vol. 197; p. 840.
- Putnam, George F., assignor to Standard Rule Company, Flint, Mich. Tape-case. No. 1,057,981; Apr. 1; Gaz. vol. 189; p. 200.
- Putnam, George H., South Boston, Mass. Car-fender. No. 1,069,467; Aug. 5; Gaz. vol. 193; p. 133.
- Putnam, John J., El Paso, Tex. Automatic car-dump. No. 1,059,761; Apr. 22; Gaz. vol. 189; p. 929.
- Putnam, Oliver K., Worcester, Mass. Automatic train-pipe connector. No. 1,075,854; Oct. 14; Gaz. vol. 195; p. 462.
- Pütz, Carl, assignor to T. Kieserling, Solingen, Germany. Vehicle-wheel. No. 1,056,055; Mar. 18; Gaz. vol. 188; p. 541.
- Putzel, Charles, New York, N. Y. Ash and refuse vehicle. No. 1,072,651; Sept. 9; Gaz. vol. 194; p. 364.
- Putzel, Charles, and G. B. Marx, New York, N. Y. Garbage or refuse vehicle. No. 1,069,174; Aug. 5; Gaz. vol. 193; p. 29.
- Pyle, Adrian R., Dobbs Ferry, N. Y. Gas-cock. No. 1,078,875; Nov. 18; Gaz. vol. 196; p. 627.
- Pyle, Elmer E., Carmi, Ill. Coin-operated lock. No. 1,051,007; Jan. 21; Gaz. vol. 186; p. 647.
- Pyle-National Electric Headlight Company. (See Dake, Charles W., assignor.)
- Pyle-National Electric Headlight Company. (See Ross, Mark A., assignor.)
- Pyle, Robert H., Indianapolis, assignor to Remy Electric Company, Anderson, Ind. Governor. No. 1,062,605; May 27; Gaz. vol. 190; p. 811.
- Pyle, Robert H., Indianapolis, assignor to The Remy Electric Company, Anderson, Ind. Armature. No. 1,069,902; Aug. 12; Gaz. vol. 193; p. 310.
- Pyramiden-Fliegenfängerfabrik Max Dametz. (See Träger, Karl, assignor.)
- Pyro-Pin Mfg. Co., The. (See Miller and Beattie, assignors.)
- Q. & C. Company. (See Eder, Franz, assignor.)
- Q-P Signal Company, The. (See Queen and Pickett, assignors.)
- Quackenbush, Charles G., Toledo, Ohio. Bookcase. No. 1,072,258; Sept. 2; Gaz. vol. 194; p. 198.
- Quade, Fritz. (See Lauch and Quade.)
- Quade, Fritz, assignor to J. A. von Wülffing, Berlin, Germany. Producing compounds of formaldehyde with sugars. No. 1,062,501; May 20; Gaz. vol. 190; p. 734.
- Quade, Henry W., Hancock, Mo. Attachment for sound-reproducing machines. No. 1,060,209; Apr. 29; Gaz. vol. 189; p. 1121.
- Quain, John R., Westminster, London, England. Alarm for preventing theft. No. 1,057,879; Apr. 1; Gaz. vol. 189; p. 166.
- Quay, Carpenter J., Meadville, Pa. Train-order holder. No. 1,070,177; Aug. 12; Gaz. vol. 193; p. 404.
- Quayle, Bert L., and H. L. Cummins, East Ely, Nev. Rotary engine. No. 1,058,331; Apr. 8; Gaz. vol. 189; p. 367.
- Quayle, Sidney, Hillsboro, Tex. Remedial appliance. No. 1,081,148; Dec. 9; Gaz. vol. 197; p. 453.
- Queen, Walter K., and T. F. Pickett, Needham Heights, Mass. Receiver for electromechanical telegraph systems. No. 1,068,076; July 22; Gaz. vol. 192; p. 844.
- Queen, Walter K., and T. F. Pickett, Needham Heights, Mass., assignors to The Q-P Signal Company. Electro-mechanical telegraph system. No. 1,066,147; July 1; Gaz. vol. 192; p. 85.
- Queneau, Augustin L. J., Philadelphia, Pa. Electric furnace for iron and steel. No. 1,057,669; Apr. 1; Gaz. vol. 189; p. 94.
- Queneau, Augustin L. J., Philadelphia, Pa. Condensation of zinc. No. 1,082,765; Dec. 30; Gaz. vol. 197; p. 1104.
- Queneau, Augustin L. J., assignor to Queneau Electric Zinc Furnace Company, Philadelphia, Pa. Metallurgy of zinc. No. 1,064,992; June 17; Gaz. vol. 191; p. 689.
- Queneau Electric Zinc Furnace Company. (See Queneau, Augustin L. J., assignor.)
- Quenner Dry Crusher Company. (See Quenner, Mitts, assignor.)
- Quenner, Mitts, Nogales, assignor to Quenner Dry Crusher Company, Douglas, Ariz. Grizzly. No. 1,056,829; Mar. 25; Gaz. vol. 188; p. 835.
- Quenner, Mitts, Nogales, assignor to Quenner Dry Crusher Company, Douglas, Ariz. Rock-breaker. No. 1,076,062; Oct. 21; Gaz. vol. 195; p. 562.
- Quenner, Mitts, Nogales, assignor to Quenner Dry Crusher Company, Douglas, Ariz. Projectile for rock-breakers. No. 1,076,148; Oct. 21; Gaz. vol. 195; p. 591.
- Quenner, Mitts, Santa Ana, Sonora, Mexico, assignor, by mesne assignments, to Quenner Dry Crusher Company, Douglas, Ariz. Separator. No. 1,059,068; Apr. 15; Gaz. vol. 189; p. 659.
- Quenner, Mitts, Santa Ana, Sonora, Mexico, assignor, by mesne assignments, to Quenner Dry Crusher Company, Douglas, Ariz. Ore-treating machine. No. 1,076,061; Oct. 21; Gaz. vol. 195; p. 561.
- Quenzer, Arthur, New York, N. Y. Jock-strap. No. 1,063,062; May 27; Gaz. vol. 190; p. 960.
- Querns Bros. (See Querns, Harry G. G., assignor.)
- Querns, Harry G. G., assignor to Querns Bros., Philadelphia, Pa. Lady's underwear. No. 1,078,217; Nov. 11; Gaz. vol. 196; p. 367.
- Quertier, Hilary, Melbourne, Victoria, Australia. Time and speed indicating and recording means. No. 1,061,121; May 6; Gaz. vol. 190; p. 193.
- Quertier, Hilary, Wellington, New Zealand. Means for electrically transmitting orders or signals and for indicating their nature and the points of transmission. No. 1,080,167; Dec. 2; Gaz. vol. 197; p. 87.
- Quesnoy, Bartholomew, Alix, Ark. Broom-bridle. No. 1,071,345; Aug. 26; Gaz. vol. 193; p. 873.
- Quick, Alfred A., Clifton Hill, Victoria, Australia. Apparatus for controlling the delivery of liquids. No. 1,081,149; Dec. 9; Gaz. vol. 197; p. 454.
- Quick, Alfred A., Clifton Hill, and C. J. Spencer, Melbourne, Victoria, Australia. Device for controlling the delivery of liquids from tanks or vessels. No. 1,070,288; Aug. 12; Gaz. vol. 193; p. 442.
- Quick, Napoleon B., Glen Spey, N. Y. Horseshoe. No. 1,079,512; Nov. 25; Gaz. vol. 196; p. 875.
- Quick, William L., New Market, Ala. Flying-machine. No. 1,076,644; Oct. 21; Gaz. vol. 195; p. 767.
- Quickel, Allen E. (See Quickel, Edwin G. and A. E.)
- Quickel, Edwin G. and A. E., York, Pa. Folding jack truck mechanism. No. 1,064,538; June 10; Gaz. vol. 191; p. 503.
- Quickel, Howard E., Dover, Pa. Grinding-mill. No. 1,066,220; July 1; Gaz. vol. 192; p. 113.
- Quidas, Frederick W., Brooklyn, N. Y. Developing-tray. No. 1,053,317; Feb. 18; Gaz. vol. 187; p. 580.
- Quiggle, Malcolm W., Brooklyn, N. Y. Internal-combustion engine. No. 1,082,138; Dec. 23; Gaz. vol. 197; p. 852.
- Quigley, Daniel T., North Platte, Nebr. Rectum-bottle. No. 1,077,490; Nov. 4; Gaz. vol. 196; p. 89.
- Quigley, John T., San Francisco, Cal., assignor to The Costmeter Company. Time-cost meter. No. 1,080,165; Dec. 2; Gaz. vol. 197; p. 86.
- Quigley, Leigh R., San Francisco, Cal. Lock for gas-meter connections. No. 1,067,549; July 15; Gaz. vol. 192; p. 633.
- Quigley, Martin G., Charlestown, Mass. Water-level-indicating device for boilers. No. 1,073,518; Sept. 16; Gaz. vol. 194; p. 706.
- Quigley, W. F. (See Keller, Charles B., assignor.)
- Quigley, William D., East Boston, Mass. Leather-splitting machine. No. 1,075,792; Oct. 14; Gaz. vol. 195; p. 441.
- Quilty, Catherine, administratrix. (See Daly, John J.)
- Quilty, Patrick J. (See Daly, John J., assignor.)

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- Quimby, Charles H., Jr., Mount Vernon, N. Y. Metal sheet-piling. No. 1,060,858; May 6; Gaz. vol. 190; p. 102.
- Quin, Charles W., Centralia, Wash. Combined tie-plate and spike-retainer. No. 1,072,991; Sept. 9; Gaz. vol. 194; p. 487.
- Quin, Richard C., Toronto, Ontario, Canada. Fuel-feeding system for oil-burners. No. 1,066,948; July 8; Gaz. vol. 192; p. 393.
- Quinby, Albert O., Fresno, Cal. Gate. No. 1,060,857; May 6; Gaz. vol. 190; p. 102.
- Quinby, John G., Norfolk, Va. Rotary engine. No. 1,061,122; May 6; Gaz. vol. 190; p. 194.
- Quinby, Wilfred S. (See McIlvanie and Quinby.)
- Quincy, Frederick J. (See Quincy, Henry J., assignor.)
- Quincy, Henry J., assignor of one-half to F. J. Quincy, Brooklyn, N. Y. Bedstead. No. 1,075,158; Oct. 7; Gaz. vol. 195; p. 196.
- Quindlen, John W. (See Keenan, Thomas T., assignor.)
- Quinet, Alexander. (See Norwood, Jay M., assignor.)
- Quinlin, William T., assignor of one-half to H. W. Bedford, Coalinga, Cal. Cable-cutting device. No. 1,075,439; Oct. 14; Gaz. vol. 195; p. 321.
- Quinn, Ashford L., assignor of one-half to B. E. Wilkins, Mayo, S. C. Rail-lifting rod for spinning-frames. No. 1,056,301; Mar. 18; Gaz. vol. 188; p. 625.
- Quinn & Atkins Journal Jack Attachment Company. (See Quinn, William E., assignor.)
- Quinn, Edward J. (See O'Brien and Quinn.)
- Quinn, John A. (See Smith, John T., assignor.)
- Quinn, John P., Lawton, Iowa. Automatic heat-regulator. No. 1,061,123; May 6; Gaz. vol. 190; p. 194.
- Quinn, Richard, Newark, N. J. Schedule-indicator. No. 1,064,770; June 17; Gaz. vol. 191; p. 617.
- Quinn, Thomas, Fort Collins, Colo. Device for supporting and fastening sliding doors. No. 1,058,197; Apr. 8; Gaz. vol. 189; p. 320.
- Quinn, William E., assignor to Quinn & Atkins Journal Jack Attachment Company, Shreveport, La. Journal-jack. No. 1,069,175; Aug. 5; Gaz. vol. 193; p. 30.
- Quint, Henry. (See Bryant, Joshua A., assignor.)
- Quintal, Wilfred, assignor of one-half to C. P. Randall, Holyoke, Mass. Switch-operating device. No. 1,054,791; Mar. 4; Gaz. vol. 189; p. 48.
- Quintus, Charles, Garner, Iowa. Metallic wheel-tire. No. 1,078,876; Nov. 18; Gaz. vol. 196; p. 627.
- Quirin, Emil J. F., Tioga Center, N. Y. Leather-staking machine. No. 1,070,731; Aug. 19; Gaz. vol. 193; p. 634.
- Quirk, James W., Claremont, N. H. Shoulder-cushion. No. 1,055,077; Mar. 4; Gaz. vol. 188; p. 145.
- Quirós, Gustavo A., Sancti Spiritus, Cuba. Rule. No. 1,064,006; June 10; Gaz. vol. 191; p. 321.
- Quisling, Rasmus H., Christiania, Norway. Small-arm. No. 1,074,201; Sept. 30; Gaz. vol. 194; p. 990.
- Quist, Frank J., and M. Blanch, assignors to Domestic Vacuum Cleaner Company, Worcester, Mass. Vacuum-sweeper. (Reissue.) No. 13,508; Jan. 7; Gaz. vol. 186; p. 267.
- Quist, Fred, San Francisco, Cal. Railway-tie. No. 1,055,078; Mar. 4; Gaz. vol. 188; p. 145.
- Quist, Fred, San Francisco, Cal. Anticreeper for railway-rails. No. 1,055,079; Mar. 4; Gaz. vol. 188; p. 146.
- R. Hoe and Co. (See Main, William J., assignor.)
- R. Hoe and Co. (See Schmidt, Louis A., assignor.)
- R. Hoe and Co. (See Sheldon, Edward P., assignor.)
- R. Neumann Hardware Co. See Isidor, Joseph S., assignor.)
- R. Neumann Hardware Co. (See Lotz, William A., assignor.)
- R. Neumann Hardware Co., The. (See Tueckmantel, Hugo, assignor.)
- R. Schiffmann Company. (See Ruscher, Peter J., assignor.)
- R. E. Dietz Company *et al.* (See Bergener, Charles, assignor.)
- R. E. Dietz Company. (See Betts, Charles L., assignor.)
- R. E. Dietz Company. (See Dietz, Frederick, assignor.)
- R. E. Dietz Company. (See Thiel, Frank N., assignor.)
- R. E. Dietz Company. (See Throne, Robert P., assignor.)
- R. F. Simmons Company. (See Ward, Thomas E., assignor.)
- R. H. Comey Company. (See Grüter, Reinhold, assignor.)
- R. H. Long Machinery Company, The. (See Doidge, John J., assignor.)
- R. K. Le Blond Machine Tool Company, The. (See Le Blond and Groene, assignors.)
- R. M. Hughes Co. (See Hughes, Russel M., assignor.)
- R. W. Funk, Incorporated. (See Funk, Richard W., assignor.)
- Raabe, Frank A., Stanton, Nebr. Fabric holder and exhibitor. No. 1,073,519; Sept. 16; Gaz. vol. 194; p. 706.
- Raaen, Ole S., Winger, Minn. Serving attachment for dining-tables. No. 1,066,652; July 8; Gaz. vol. 192; p. 290.
- Raafaub, Ernest, Sr. (See Butterfield, Raafaub, and Pathe.)
- Rabbers, John, Grand Rapids, Mich. Wheel. No. 1,058,332; Apr. 8; Gaz. vol. 189; p. 367.
- Rabbitt, James A., Yokohama, Japan. Talking-machine. No. 1,064,931; June 17; Gaz. vol. 191; p. 668.
- Rabe, Albert, Berlin, Germany. Machine for producing ropes or threads. No. 1,062,796; May 27; Gaz. vol. 190; p. 873.
- Rabe, Fred, Sr., Melrose Park, Ill. Hammock-support. No. 1,066,221; July 1; Gaz. vol. 192; p. 113.
- Rabenalt, Gustav H., Buffalo, N. Y., assignor to Gould Storage Battery Company. Battery-plate. No. 1,068,929; July 29; Gaz. vol. 192; p. 1181.
- Rabenstein, Heinrich, Mannheim, Germany. Filter. No. 1,052,958; Feb. 11; Gaz. vol. 187; p. 413.
- Raber, Joseph, Poplar Bluff, assignor to Dalton Adding Machine Company, St. Louis, Mo. Type-writer line-spacing mechanism. No. 1,056,213; Mar. 18; Gaz. vol. 188; p. 595.
- Rabitaile, Ambrose, Detroit, Mich. Valve. No. 1,053,434; Feb. 18; Gaz. vol. 187; p. 621.
- Rabsilber, William, New York, N. Y. Flying-machine. No. 1,065,394; June 24; Gaz. vol. 191; p. 860.
- Race, Nicholas W., Chicago, Ill. Valve. No. 1,064,376; June 10; Gaz. vol. 191; p. 447.
- Rachliss, Nathan A., New York, N. Y. Making signs. No. 1,074,461; Sept. 30; Gaz. vol. 194; p. 1077.
- Rachmann, Heinrich, Haida, Austria-Hungary. Atomizer. No. 1,057,982; Apr. 1; Gaz. vol. 189; p. 200.
- Racine Electric Company. (See Nelson and Ruggaber, assignors.)
- Racine Rubber Company. (See McClaren, Harry L., assignor.)
- Racine-Sattley Company. (See Weaver, Ira A., assignor.)
- Raczniak, John, *et al.* (See Gagattek, Andrew P., assignor.)
- Radcliff, William, Burgettstown, Pa. Envelop. No. 1,062,851; May 27; Gaz. vol. 190; p. 891.
- Radcliffe, John, East Barnet, England. Composition containing pitch. No. 1,071,792; Sept. 2; Gaz. vol. 194; p. 44.
- Rader, August C., Upper Montclair, N. J. Curtain-fixture. No. 1,063,830; June 3; Gaz. vol. 191; p. 228.
- Rader, James C., Kansas City, Mo. Envelop. No. 1,058,901; Apr. 15; Gaz. vol. 189; p. 601.
- Radford, Cyrus S., Philadelphia, Pa. Lock mechanism. No. 1,070,178; p. 12; Gaz. vol. 193; p. 405.
- Radford, Guy B., New York, N. Y. Vehicle-body. No. 1,055,794; Mar. 11; Gaz. vol. 188; p. 420.
- Radi, Walter, Gustavsburg, near Mainz, Germany. Holder for ties. No. 1,080,849; Dec. 9; Gaz. vol. 197; p. 357.
- Radke, Emil, Blue Earth, Minn. Resilient wheel. No. 1,065,080; June 17; Gaz. vol. 191; p. 718.
- Radke, Theodore J., Oak Park, Ill. Water-heater. No. 1,070,529; Aug. 19; Gaz. vol. 193; p. 567.
- Radley, William, Jr. (See Orr and Radley.)
- Radous, Wenzel A., Prague, Austria-Hungary. Hand embroidering-machine. No. 1,076,909; Oct. 28; Gaz. vol. 195; p. 912.
- Radošvanovic, Andreas, Zürich, Switzerland. Keyboard instrument. No. 1,051,514; Jan. 28; Gaz. vol. 186; p. 851.
- Radovanovic, Andreas, Zurich, Switzerland. Two-stroke cycle-motor. No. 1,068,168; July 22; Gaz. vol. 192; p. 876.
- Radtke, Albert A. (See Osborn and Roach, assignors.)
- Radulescu, Ilie I., Ellwood City, Pa. Car-step. No. 1,064,993; June 17; Gaz. vol. 191; p. 689.
- Rae Electric Company. (See Rae, Frank B., assignor.)
- Rae, Frank B., Glen Ridge, N. J., assignor, by mesne assignments, to New Burlingame Telegraphing Typewriter Company. Printing-telegraph system. No. 1,066,148; July 1; Gaz. vol. 192; p. 86.
- Rae, Frank B., Detroit, Mich., assignor, by mesne assignments, to Rae Electric Company. Combined vehicle steering-gear and controlling mechanism. No. 1,073,439; Sept. 16; Gaz. vol. 194; p. 680.
- Rae, Mathew P. (See Fletcher, Elmer, assignor.)
- Rae, Thomas H., Farmington, Cal. Axle-set. No. 1,073,571; Sept. 16; Gaz. vol. 194; p. 724.
- Raffel, Tobias E., New York, N. Y. Rotary cutting mechanism. No. 1,068,447; July 29; Gaz. vol. 192; p. 1011.
- Raffel, Tobias E., New York, N. Y., assignor to Paper Working Machines Co. Machine for manufacturing double-faced corrugated board. No. 1,050,292; Jan. 14; Gaz. vol. 186; p. 364.
- Raffel, Tobias E., New York, N. Y., assignor to Paper Working Machines Co. Taping-machine. No. 1,080,779; Dec. 9; Gaz. vol. 197; p. 331.
- Raffensdorfer, Friedrich, Grünberg, Silesia, assignor to H. C. Sommer Nachfolger, Dusseldorf, Germany. Blow-off valve for steam-heated apparatus and the like. No. 1,079,663; Nov. 25; Gaz. vol. 196; p. 927.
- Rafferty, Solomon M., assignor to National Spring and Wire Company, Albion, Mich. Spring construction. No. 1,079,664; Nov. 25; Gaz. vol. 196; p. 928.
- Raftis, Richard W., Chicago, Ill., assignor to National Fire Proofing Company, Pittsburgh, Pa. Building-block. No. 1,080,367; Dec. 2; Gaz. vol. 197; p. 159.
- Ragan, Ralph, Atlanta, Ga. Lubricating device for explosive-engine piston-rods. No. 1,063,592; June 3; Gaz. vol. 191; p. 144.
- Rager, Charles, Atlanta, Ga. Safety appliance for elevators. No. 1,050,391; Jan. 14; Gaz. vol. 186; p. 399.

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- Raggio, Charles A., Chicago, Ill., assignor of one-half to L. G. Raggio. Waste burner and inclinator. No. 1,081,773; Dec. 16; Gaz. vol. 197; p. 701.
- Raggio, Louis G. (See Raggio, Charles A., assignor.)
- Ragona, John. (See Ragona, Vincent, J., and W.)
- Ragona, Vincent, J., and W., New York, N. Y. Tipping attachment for cigarette-machines. No. 1,051,447; Jan. 28; Gaz. vol. 186; p. 828.
- Ragona, William. (See Ragona, Vincent, J., and W.)
- Ragonnet, Eugène L., assignor to The Baldwin Locomotive Works, Philadelphia, Pa. Valve mechanism for compound locomotives. No. 1,059,762; Apr. 22; Gaz. vol. 189; p. 929.
- Ragsdale, Thad. E. (See Staggs, John, assignor.)
- Rahif, Henry L., Falls City, Nebr. Corn-crib. No. 1,060,788; May 6; Gaz. vol. 190; p. 76.
- Rahn, Fridrich W., Dunning, Ill. Collapsible bed-bolster. No. 1,082,171; Dec. 23; Gaz. vol. 197; p. 863.
- Rahn, James W., Temple, Pa. Air-humidor. No. 1,057,273; Mar. 25; Gaz. vol. 188; p. 989.
- Rahotina, Anton, Lorain, Ohio. Box-cover fastener. No. 1,062,733; May 27; Gaz. vol. 190; p. 851.
- Rahr, William, Jr. (See Ulrich and Rahr.)
- Ralber, Hugo C., Pittsburgh, Pa. Receiver-holder for telephones. No. 1,073,708; Sept. 23; Gaz. vol. 194; p. 797.
- Raible, John E., Chicago, Ill. Inking-fountain for printing-presses. No. 1,076,785; Oct. 28; Gaz. vol. 195; p. 868.
- Raiche, Andrew, assignor to Atlas Tack Company, Fairhaven, Mass. Nail-capping machine. No. 1,063,593; June 3; Gaz. vol. 191; p. 144.
- Raiff, Harry L. (See Altrop, Ray, assignor.)
- Raiford, Frank P., Atlanta, Ga. Hat-rack. No. 1,050,562; Jan. 14; Gaz. vol. 186; p. 459.
- Raiford, H. W. (See Barnwell, Edward W., assignor.)
- Raikes, Edmund W., Cleveland, Ohio. Pneumatic tool. No. 1,067,756; July 15; Gaz. vol. 192; p. 703.
- Raiky, Julius M., assignor of one-half to C. K. Bailey, Coffeetown, Miss. Dirigible automobile light-support. No. 1,055,225; Mar. 4; Gaz. vol. 188; p. 191.
- Rail Joint Company, The. (See Braine and Armstrong, assignors.)
- Rail Joint Company, The. (See Dalton, Philip J., assignor.)
- Rail Joint Company, The. (See Greer, James A., assignor.)
- Rail Joint Company, The. (See Schermerhorn, Edwards F., assignor.) (Reissue.)
- Rail Joint Company, The. (See Weber, George A., assignor.)
- Rail Laying Machine Company. (See Reinehr, John, assignor.) (Reissue.)
- Railway Appliances Company. (See Montgomery, Hugh, assignor.)
- Railway Improvement Company. (See Farmer, Thomas J., assignor.)
- Railway Roller Bearing Company. (See Vandegrift, James N., assignor.)
- Railway Safety Appliance Company, The. (See Baum, James B., assignor.)
- Railway Safety Signal Company. (See Nickum, Walter D., assignor.)
- Railway and Stationary Refrigerating Company. (See Palmer, Cassius C., assignor.)
- Railway and Stationary Refrigerating Company. (See Starr, John E., assignor.)
- Rainbow, Frederick L., Elgin, assignor to Illinois Iron and Bolt Company, Carpentersville, Ill. Device for making sand molds for axle-boxes and the like. No. 1,052,751; Feb. 11; Gaz. vol. 187; p. 340.
- Rainey, Mathew P., Holdenville, Okla. Cattle-guard. No. 1,059,393; Apr. 22; Gaz. vol. 189; p. 806.
- Rains, Charles H., Eichorn, Ill. Wire-stretcher. No. 1,063,063; May 27; Gaz. vol. 190; p. 961.
- Raithel, George, assignor of one-half to E. F. Jaehnke, Fort Atkinson, Wis. Interior pipe-wrench. No. 1,067,195; July 8; Gaz. vol. 192; p. 476.
- Raithel, John G., Little Falls, N. Y. Convertible sleigh and go-cart. No. 1,056,938; Mar. 25; Gaz. vol. 188; p. 874.
- Raithel, John G., Little Falls, N. Y. Convertible vehicle. No. 1,056,939; Mar. 25; Gaz. vol. 188; p. 875.
- Rakestraw, Thomas G., assignor of three-fourths to E. H. and A. F. Sellers, Detroit, Mich. Boiler-feeder and water-level-maintaining apparatus. No. 1,062,115; May 20; Gaz. vol. 190; p. 605.
- Rakonick, Joseph, St. Louis, Mo. Last. No. 1,067,136; July 8; Gaz. vol. 192; p. 455.
- Rakowitzky, Hirsch, Vilna, Russia. Mouthpiece-rolling machine. No. 1,072,259; Sept. 2; Gaz. vol. 194; p. 199.
- Rakowski, Wladislaus, Davis, W. Va. Protective device for banks. No. 1,065,626; June 24; Gaz. vol. 191; p. 939.
- Rakowski, Wladislaus, Davis, W. Va. Non-refillable bottle. No. 1,077,915; Nov. 4; Gaz. vol. 196; p. 231.
- Rakowski, Wladislaus, Palmerton, Pa., and J. Glowacki, Davis, W. Va. Horseshoe. No. 1,074,202; Sept. 30; Gaz. vol. 194; p. 991.
- Rakowsky, Gustav A., assignor of one-half to I. K. Lewis, Duluth, Minn. Side-dump car. No. 1,066,527; July 8; Gaz. vol. 192; p. 246.
- Raleigh, James F., assignor of one-third to R. Abram and one-third to W. Furlong, Chicago, Ill. Stamp-affixing machine. No. 1,052,691; Feb. 11; Gaz. vol. 187; p. 321.
- Ralston, Howard H., Norwood, Ohio, assignor to The Bullock Electric Manufacturing Company. Dynamo-electric machine. No. 1,078,877; Nov. 18; Gaz. vol. 196; p. 627.
- Ralston, Robert D., Wilscot, Ga. Brake. No. 1,070,179; Aug. 12; Gaz. vol. 193; p. 405.
- Ralston Steel Car Company, The. (See Irwin and Tesseyman, assignors.)
- Ramacher, Jacob, Dellbrück, Bez., Cologne, assignor to W. Gartner, Hamburg, Germany. Furnace for steam-generators. No. 1,077,203; Oct. 28; Gaz. vol. 195; p. 1008.
- Rambeaud, René, Parthenay, France. Mechanical dough-kneading device. No. 1,049,600; Jan. 7; Gaz. vol. 186; p. 98.
- Rambo, Ormond. (See Plucker, Jacob J., assignor.)
- Rambo, William D., Sonoma, Cal. Furnace. No. 1,050,392; Jan. 14; Gaz. vol. 186; p. 399.
- Ramen, Arthur, Helsingborg, Sweden. Tunnel-furnace. No. 1,051,634; Jan. 28; Gaz. vol. 186; p. 891.
- Ramen, Arthur, Helsingborg, Sweden. Working channel-furnaces for burning ore-bricks. No. 1,058,099; Apr. 8; Gaz. vol. 189; p. 286.
- Ramen, Arthur, Olympia, Sweden. Tunnel-furnace. No. 1,062,606; May 27; Gaz. vol. 190; p. 811.
- Ramige, John W., Ontario, Cal. Automatic station-indicator. No. 1,072,772; Sept. 9; Gaz. vol. 194; p. 406.
- Ramme, Henry, Flushing, N. Y. Dispensing device for beer and other liquids. No. 1,064,377; June 10; Gaz. vol. 191; p. 447.
- Rampini, Christian, deceased; W. E. Warland, administrator, Brooklyn, N. Y., assignor to Badische Anilin & Soda Fabrik, Ludwigshafen-on-the-Rhine, Germany. Producing amino-anthraquinones and derivatives thereof. No. 1,063,172; May 27; Gaz. vol. 190; p. 998.
- Rampini, Christian, deceased; W. E. Warland, administrator, Brooklyn, N. Y., assignor to Badische Anilin & Soda Fabrik, Ludwigshafen-on-the-Rhine, Germany. Producing amino-anthraquinones and derivatives thereof. No. 1,063,173; May 27; Gaz. vol. 190; p. 998.
- Ramsaur, John J., Lincolnton, N. C. Wheat-cleaner. No. 1,063,139; May 27; Gaz. vol. 190; p. 936.
- Ramsay, Allan. (See Jackson, Thomas, assignor.)
- Ramsay, Ethan T., Birdsboro, Pa. Metallic tie and rail-fastener. No. 1,068,700; July 29; Gaz. vol. 192; p. 1098.
- Ramsay, William A., Honolulu, Hawaii. Friction-clutch. No. 1,063,064; May 27; Gaz. vol. 190; p. 961.
- Ramsberger, Harry C., Philadelphia, Pa. Chandelier-support. No. 1,052,959; Feb. 11; Gaz. vol. 187; p. 414.
- Ramsden, John T. (See Lewis and Ramsden.)
- Ramsden, John T., assignor to The Tabor Manufacturing Company, Philadelphia, Pa. Equalizing-support for molders' flasks. No. 1,050,293; Jan. 14; Gaz. vol. 186; p. 364.
- Ramsey, Albert F., Plymouth, Ohio. Fly-trap. No. 1,062,734; May 27; Gaz. vol. 190; p. 852.
- Ramsey, Edward S., Chance, Mont. Beet-harvester. No. 1,075,440; Oct. 14; Gaz. vol. 195; p. 322.
- Ramsey, George W., Peoria, Ill., assignor to Underwood Typewriter Company, New York, N. Y. Type-writer. No. 1,062,735; May 27; Gaz. vol. 190; p. 852.
- Ramsey, George W., Washington, D. C., assignor to R. Walworth, Waltham, Mass. Bobbin-stripper. No. 1,081,914; Dec. 16; Gaz. vol. 197; p. 747.
- Ramsey, James N. (See Eilers, John M., assignor.)
- Ramsey, John P., Springfield, Ill. Valve-gear. No. 1,071,793; Sept. 2; Gaz. vol. 194; p. 44.
- Ramsey, Lee, Columbus, Tex. Water-heater. No. 1,078,694; Nov. 18; Gaz. vol. 196; p. 563.
- Ramsey, William H., Minneapolis, Minn. Curtain-stick machine. No. 1,079,992; Dec. 2; Gaz. vol. 197; p. 25.
- Ramsey, William H., Minneapolis, Minn. Box-holder. No. 1,079,993; Dec. 2; Gaz. vol. 197; p. 26.
- Ramus, Carl, Port Townsend, Wash. Sound-reproducing machine. No. 1,061,124; May 6; Gaz. vol. 190; p. 195.
- Rancourt, Joseph, St. Benoit, Quebec, Canada. Thermostatic fire-alarm. No. 1,078,063; Nov. 11; Gaz. vol. 196; p. 314.
- Rand, Ed., Charleston, W. Va. Well-drilling machine. No. 1,078,064; Nov. 11; Gaz. vol. 196; p. 314.
- Rand, Festus S. (See Babcock and Rand.)
- Rand, Frank P. (See Penn and Rand.)
- Rand, James H., Newton, Mass. Buffer for swinging indicator-frames. No. 1,077,555; Nov. 4; Gaz. vol. 196; p. 110.
- Rand, James H., Jr., Newton, Mass. Germicide-insert for pocket-books and the like. No. 1,080,716; Dec. 9; Gaz. vol. 197; p. 307.
- Rand, Nathaniel D., West Camp, assignor to Pass & Seymour, Inc., Solvay, N. Y. Electric receptacle. No. 1,054,031; Feb. 25; Gaz. vol. 187; p. 860.

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- Randall, Anna S. (See Randall, Horatio C., assignor.)
 Randall, Charles P. (See Quintal, Wilfred, assignor.)
 Randall, Egbert J., Pontiac, Mich., and S. A. Randall, Rochester, N. Y. Aeroplane. No. 1,062,116; May 20; Gaz. vol. 190; p. 606.
 Randall-Faichney Company, The. (See McLean, Donald G., assignor.)
 Randall, Frank J., assignor of one-half to G. G. Bailey, Los Angeles, Cal. Lubricating-bars for journal-bearings. No. 1,081,930; Dec. 16; Gaz. vol. 197; p. 753.
 Randall, George W. (See Tilden, Marshall, assignor.)
 Randall, Harold G., Felchville, Vt. Puzzle. No. 1,074,816; Oct. 7; Gaz. vol. 195; p. 78.
 Randall, Harold W., Quimby, Iowa. Pole-tip. No. 1,080,780; Dec. 9; Gaz. vol. 197; p. 331.
 Randall, Horatio C., San Francisco, Cal. Motor for operating doors. No. 1,060,789; May 6; Gaz. vol. 190; p. 76.
 Randall, Horatio C., assignor to A. S. Randall, San Francisco, Cal. Controlling mechanism for elevator doors and cars. No. 1,080,021; Dec. 2; Gaz. vol. 197; p. 35.
 Randall, John W., assignor to W. H. Tilley, Halifax, N. C. Farrier's knife. No. 1,037,090; Mar. 25; Gaz. vol. 188; p. 927.
 Randall, Marion I., Oakland, Cal. Fruit-picker. No. 1,077,640; Nov. 4; Gaz. vol. 196; p. 137.
 Randall, Norman B., Boston, Mass. Magazine-gun. No. 1,056,056; Mar. 18; Gaz. vol. 188; p. 541.
 Randall, Sherman A. (See Randall, Egbert J. and S. A.)
 Randall, Walter I., Genoa, Nebr. Door-fastener. No. 1,081,404; Dec. 16; Gaz. vol. 197; p. 578.
 Randel, Ivar A., Chicago, Ill. Producing radiator-sections. No. 1,065,886; June 24; Gaz. vol. 191; p. 1027.
 Randel, Ivar A., Chicago, Ill., assignor to McCord and Company. Producing truck-frames. No. 1,076,645; Oct. 21; Gaz. vol. 195; p. 767.
 Randel, Ivar A., assignor to McCord and Company, Chicago, Ill. Journal-box. No. 1,077,159; Oct. 28; Gaz. vol. 195; p. 994.
 Randle, James N., Eugene, Ore. Cushioning device. No. 1,056,057; Mar. 18; Gaz. vol. 188; p. 541.
 Randle, James N., Eugene, Ore. Cushioning device. No. 1,056,580; Mar. 18; Gaz. vol. 188; p. 722.
 Randolph, Frank D., assignor to The Potter Printing Press Company, Plainfield, N. J. Sheet-feeding mechanism. No. 1,066,528; July 8; Gaz. vol. 192; p. 247.
 Randolph, George B., Anniston, Ala. Land-marker. (Re-issue.) No. 13,656; Dec. 9; Gaz. vol. 197; p. 503.
 Randolph, Howard. (See Holloway and Randolph.)
 Randolph, Ithamer N. F., Iola, Kans. Oil-burner. No. 1,072,773; Sept. 9; Gaz. vol. 194; p. 406.
 Randolph, Joseph S., Glencoe, Ohio. Trolley-wheel. No. 1,078,643; Nov. 18; Gaz. vol. 196; p. 545.
 Randolph, Lewis H., Bandana, Ky. Rope-terminal. No. 1,079,363; Nov. 25; Gaz. vol. 196; p. 824.
 Ranger, Samuel E., Hilts, Cal. Band resaw-machine. No. 1,062,358; May 20; Gaz. vol. 190; p. 687.
 Rangnow, Otto, Philadelphia, Pa. Garment-hanger support. No. 1,052,961; Feb. 11; Gaz. vol. 187; p. 414.
 Ranjak, John. (See Sutorik and Ranjak.)
 Rank, John, Minneapolis, Minn. Grease-cup. No. 1,074,291; Sept. 30; Gaz. vol. 194; p. 1020.
 Rank, Peter, St. Paul, Minn. Striking-bag support. No. 1,066,437; July 1; Gaz. vol. 192; p. 184.
 Rank, William M., assignor of one-third to L. R. Gruss, San Francisco, Cal. Vehicle-wheel. No. 1,054,614; Feb. 25; Gaz. vol. 187; p. 1058.
 Ranken, Ellen D. (See Ranken, John F. and E. D.)
 Ranken, John F. and E. D., New York, N. Y. Sanitary refuse-bag. No. 1,052,379; Feb. 4; Gaz. vol. 187; p. 182.
 Rankin, Barrick S. (See Weaver, Thomas W., assignor.)
 Rankin, Daniel H., and W. E. Cox, Tyler, Tex. Grave-cover. No. 1,053,872; Feb. 18; Gaz. vol. 187; p. 769.
 Rankin, Eugene, East Sheen, assignor of one-half to G. Spicer, London, England. Braiding-machine. No. 1,058,100; Apr. 8; Gaz. vol. 189; p. 286.
 Rankin, Harry D., Joliet, Ill., assignor to American Nitrogen Company. Treatment of gases. No. 1,056,830; Mar. 25; Gaz. vol. 188; p. 836.
 Rankin, Jesse, Rainier, Wash. Detachable button. No. 1,059,636; Apr. 22; Gaz. vol. 189; p. 887.
 Rankin, John R., Pueblo, Colo. Flume. No. 1,055,795; Mar. 11; Gaz. vol. 188; p. 420.
 Rankin, John R., Pueblo, Colo. Flume. No. 1,056,831; Mar. 25; Gaz. vol. 188; p. 836.
 Rankin, John T., Los Angeles, Cal. Tooth-brush. No. 1,063,214; June 3; Gaz. vol. 191; p. 16.
 Rankin, Joseph W. (See Kurtz and Rankin.)
 Rankin, Walter M. (See Kirkpatrick, Harry L., assignor.)
 Rankine, James C., Pawtucket, R. I., and G. H. Goldsmith, Biddeford, Me. Atomizer or humidifier. No. 1,072,031; Sept. 2; Gaz. vol. 194; p. 124.
 Rankins, Frederic A. D., Bayonne, assignor to G. C. St. John, Montclair, N. J. Steam-meter. No. 1,055,491; Mar. 11; Gaz. vol. 188; p. 318.
 Ranley, Sebastian. (See Romer, Wimmers, and Ranley.)
 Ranno fu Biagio, Sebastiano, New York, N. Y. Building-block. No. 1,081,695; Dec. 16; Gaz. vol. 197; p. 673.
 Ransburg, Mark R., Pleasant Lake, Ind. Druggist's bottle-cabinet. No. 1,056,832; Mar. 25; Gaz. vol. 188; p. 836.
 Ransom, Giles S., Toronto, Ontario, Canada. Radiator. No. 1,057,453; Apr. 1; Gaz. vol. 189; p. 20.
 Ransom, John E., Buffalo, assignor, by mesne assignments, to Empire Voting Machine Company, Rochester, N. Y. Voting-machine. No. 1,067,679; July 15; Gaz. vol. 192; p. 678.
 Ransom & Randolph Company, The. (See Mark, Fred L., assignor.)
 Raphael, Albert, New York, N. Y. Rocker for baby-carriages. No. 1,079,265; Nov. 18; Gaz. vol. 196; p. 759.
 Rapid, A. G. (See Wolter and Belz, assignors.)
 Rapid Display Machine Company, The. (See Lutz and Leyes, assignors.)
 Rapp, John G. (See Bender and Rapp.)
 Rapp, John W. (See Connell and Rapp.)
 Rapp, Nathaniel, assignor to The Commerce Trust Company, Toledo, Ohio. Muffler. No. 1,071,528; Aug. 26; Gaz. vol. 193; p. 933.
 Rapp, Roy L., Bloomfield, N. J. Greenhouse construction. No. 1,074,895; Oct. 7; Gaz. vol. 195; p. 104.
 Rappenecker, Alphons, Bremen, Germany. Telegraph apparatus. No. 1,070,289; Aug. 12; Gaz. vol. 193; p. 442.
 Rappenecker, Alphons, Bremen, Germany. Developing apparatus for writing-telegraphs and the like. No. 1,070,290; Aug. 12; Gaz. vol. 193; p. 443.
 Rappoport, Philip. (See Angelicola, Achilles F., assignor.)
 Rapson, Frederick W., Bad Axe, Mich. Measuring-wheel. No. 1,078,462; Nov. 11; Gaz. vol. 196; p. 453.
 Rare Metals Mining and Milling Company, The. (See Bleecker, Warren F., assignor.)
 Rasbach, Raymond, Herkimer, N. Y. Sewing-machine. No. 1,082,819; Dec. 30; Gaz. vol. 197; p. 1123.
 Rasche, Albert H., Charlottenburg, Germany. Restoring coagulated albumins to the original state. No. 1,076,232; Oct. 21; Gaz. vol. 195; p. 619.
 Raschen, Lueder, Alameda, Cal. Type-writing machine. No. 1,070,732; Aug. 19; Gaz. vol. 193; p. 635.
 Raschig, Friedrich, Ludwigshafen-on-the-Rhine, Germany. Tar-paint and manufacture of same. No. 1,049,916; Jan. 7; Gaz. vol. 186; p. 202.
 Raschig, Fritz, Ludwigshafen-on-the-Rhine, Germany. Explosive and producing same. No. 1,056,365; Mar. 18; Gaz. vol. 188; p. 645.
 Raschig, Fritz, Ludwigshafen-on-the-Rhine, Germany. Sulfite-waste explosive. No. 1,056,366; Mar. 18; Gaz. vol. 188; p. 645.
 Raschig, Fritz, Ludwigshafen-on-the-Rhine, Germany. Continuous process for producing explosives. No. 1,056,367; Mar. 18; Gaz. vol. 188; p. 645.
 Raschig, Fritz, Ludwigshafen-on-the-Rhine, Germany. Explosive. No. 1,072,032; Sept. 2; Gaz. vol. 194; p. 125.
 Rasey, Edward A., Denver, Colo. Beet-harvesting machine. No. 1,071,794; Sept. 2; Gaz. vol. 194; p. 44.
 Rashford, Nicholas R., La Center, Wash. Adjustable handle for crosscut-saws. No. 1,070,628; Aug. 19; Gaz. vol. 193; p. 600.
 Rasmussen, George A. (See Graham and Rasmussen.)
 Rasmussen, Gerhard L., Seattle, Wash. Hat-fastener. No. 1,060,025; Apr. 29; Gaz. vol. 189; p. 1060.
 Rasmussen, Martin, Racine, Wis. Shoe-protector. No. 1,051,448; Jan. 28; Gaz. vol. 186; p. 828.
 Rasmussen, Rasmus J., Chicago, Ill. Hay-loader. No. 1,057,579; Apr. 1; Gaz. vol. 189; p. 62.
 Rasmussen, Valdemar, Omaha, Nebr. Portable house. No. 1,052,960; Feb. 11; Gaz. vol. 187; p. 414.
 Rasnick, Noah W., Dante, Va. Match-box. No. 1,060,706; May 6; Gaz. vol. 190; p. 50.
 Rassmann, Hugo C., Beaver Dam, Wis. Track-hanger. No. 1,049,396; Jan. 7; Gaz. vol. 186; p. 27.
 Rassmann, Hugo C., Beaver Dam, Wis. Switch device for overhead tracks. No. 1,049,397; Jan. 7; Gaz. vol. 186; p. 27.
 Rassmann, Hugo C., assignor to F. Rassmann Mfg. Co., Beaver Dam, Wis. Switch device for overhead tracks. No. 1,067,939; July 22; Gaz. vol. 192; p. 797.
 Rast, Felix Q., New York, N. Y., assignor of one-half to C. G. Peirce, Montclair, N. J. Vending-machine. No. 1,066,753; July 8; Gaz. vol. 192; p. 328.
 Rastello, Charles B., Hancock, Mich. Propeller for self-propelled sleds. No. 1,073,520; Sept. 16; Gaz. vol. 194; p. 706.
 Raster, Walther, Chicago, Ill. Sign. No. 1,072,870; Sept. 9; Gaz. vol. 194; p. 442.
 Rastman, Gustaf L., Rockford, Ill. Meat-hanger. No. 1,058,387; Apr. 8; Gaz. vol. 189; p. 386.
 Ratchet Brake Company. (See Blackall, Robert H., assignor.)
 Ratchet Brake Company. (See Fralich, John S. Y., assignor.)
 Ratcliff, Wilton F. (See Wilson and Ratcliff.)
 Ratcliff, William A., Bellingham, Wash. Lock. No. 1,076,994; Oct. 28; Gaz. vol. 195; p. 942.
 Rateau, Auguste C. E., Paris, France. Automatic relief-valve for fluid-impelling apparatus. No. 1,052,172; Feb. 4; Gaz. vol. 187; p. 114.
 Rateau, Auguste C. E., Paris, France. Regulator for fluid-pressure apparatus. No. 1,080,582; Dec. 9; Gaz. vol. 197; p. 262.

Alphabetical list of patentees—Continued.

- Rateau Battu Smoot Company. (See Smoot, Charles H., assignor.)
- Rateau Battu Smoot Company. (See Walt, Henry H., assignor.)
- Rateau Turbine Company (See Smoot, Charles H., assignor.)
- Rath, Ernst J. (See Laska and Rath.)
- Rath, Ernst J. (See Zitscher and Rath.)
- Rath, William C., Cincinnati, Ohio. Fish-plate for rails. No. 1,076,233; Oct. 21; Gaz. vol. 195; p. 619.
- Rathbun, Edward, Toledo, Ohio. Engine. No. 1,073,629; Sept. 23; Gaz. vol. 194; p. 766.
- Rathbun, Edward, Toledo, Ohio. Engine. No. 1,079,440; Nov. 25; Gaz. vol. 196; p. 849.
- Rathburn, Earl M., Lamar, Mo. Hand-stamp. No. 1,069,468; Aug. 5; Gaz. vol. 193; p. 133.
- Rathers, Curtis J. (See Griffin and Rathers.)
- Rathert, Carl, Chicago, Ill. Ball-bearing. No. 1,066,149; July 1; Gaz. vol. 192; p. 86.
- Rathmacher, Louis, Sparta, Ill. Railway-spike. No. 1,067,879; July 22; Gaz. vol. 192; p. 778.
- Ratkovich, Stephen D. (See Grossich, Attilio, assignor.)
- Ratner, Samuel M., Kansas City, Mo. Account-register. No. 1,069,469; Aug. 5; Gaz. vol. 193; p. 134.
- Ratzlaff, Jacob, Portland, Oreg. Single-delivery receptacle. No. 1,061,926; May 13; Gaz. vol. 190; p. 499.
- Rau, Emanuel, New York, N. Y. Press. No. 1,066,653; July 8; Gaz. vol. 192; p. 291.
- Rau, Herman F., Chicago, and H. M. Olsen, Austin, Ill. Adjustable window-screen. No. 1,053,644; Feb. 18; Gaz. vol. 187; p. 693.
- Rau, John, Indianapolis, Ind. Glass-blowing machine. No. 1,061,404; May 13; Gaz. vol. 190; p. 324.
- Rau, John, Indianapolis, Ind. Making hollow glassware. No. 1,061,405; May 13; Gaz. vol. 190; p. 324.
- Rau, John, Indianapolis, Ind. Machine for making hollow glassware. No. 1,066,654; July 8; Gaz. vol. 192; p. 291.
- Rau, John, Indianapolis, Ind. Glass-blowing machine. No. 1,070,530; Aug. 19; Gaz. vol. 193; p. 567.
- Rau, John, Indianapolis, Ind. Glass-blowing machine. No. 1,080,168; Dec. 2; Gaz. vol. 197; p. 87.
- Raubitschek, William. (See Rosenman, Leo, assignor.)
- Rauch, Charles, assignor of one-half to E. Sturm, St. Louis, Mo. Internal-combustion engine. No. 1,054,615; Feb. 25; Gaz. vol. 187; p. 1059.
- Rauch, Ferdinand W. (See Hougas and Rauch.)
- Rauch and Lang Carriage Company, The. (See Cookingham and Hertner, assignors.)
- Rauch, Provost R. (See Holt and Rauch.)
- Räuchle, Julius. (See Schönmann and Räuchle.)
- Rauchwarter, Stephen J. (See Minea, Zschocke, and Rauchwarter.)
- Raughtigan, Michael, Norwich, Conn. Sash-chain fastener. No. 1,056,710; Mar. 18; Gaz. vol. 188; p. 765.
- Rauh, Leopold. (See Dana, William H., assignor.)
- Raulet, Louis V., Detroit, Mich. Igniter. No. 1,052,089; Feb. 4; Gaz. vol. 187; p. 85.
- Raum, John C. and J. J., Baltimore, Md. Refrigerator-wagon. No. 1,058,333; Apr. 8; Gaz. vol. 189; p. 368.
- Raum, John C. and J. J., Baltimore, Md. Wagon. No. 1,075,378; Oct. 14; Gaz. vol. 195; p. 300.
- Raum, John C. and J. J., Baltimore, Md. Wagon. No. 1,083,031; Dec. 30; Gaz. vol. 197; p. 1194.
- Raum, John J. (See Raum, John C. and J. J.)
- Rauner, Frank A., Ellenville, N. Y. Pile fabric. No. 1,057,274; Mar. 25; Gaz. vol. 188; p. 989.
- Rausch, Frederick, assignor of one-half to J. Davis, Chicago, Ill. Rack for mail-sacks. No. 1,068,448; July 29; Gaz. vol. 192; p. 1011.
- Rausch, Wilhelm, Dusseldorf, Germany. Dial-train for distant-signaling purposes. No. 1,056,302; Mar. 18; Gaz. vol. 188; p. 625.
- Rauskolb, Fred W., Medford, Mass. Forming mountings for metal leaf. No. 1,072,992; Sept. 9; Gaz. vol. 194; p. 488.
- Raveling, Rudolph H. (See Raveling, Tjebbe G. and R. H.)
- Raveling, Tjebbe G. and R. H., Buffalo, N. D. Fly-shield. No. 1,070,914; Aug. 19; Gaz. vol. 193; p. 694.
- Raven, William H., Lenton, Nottingham, England. Variable-speed gearing. No. 1,081,062; Dec. 9; Gaz. vol. 197; p. 425.
- Raves, Ewald A., assignor to The Auburn Ignition Manufacturing Co., Auburn, N. Y. Air-pressure pump. No. 1,072,496; Sept. 9; Gaz. vol. 194; p. 310.
- Rawak, George, New York, N. Y. Head-dress. No. 1,082,648; Dec. 30; Gaz. vol. 197; p. 1062.
- Rawles, Walter H., London, England. Talking-machine. No. 1,080,231; Dec. 2; Gaz. vol. 197; p. 109.
- Rawlings, Bert F., Franklin, Ill. Oil-burner. No. 1,050,170; Jan. 14; Gaz. vol. 186; p. 322.
- Rawlings, John J., London, England. Wall and like plug or socket. No. 1,059,209; Apr. 15; Gaz. vol. 189; p. 707.
- Rawlings Manufacturing Company. (See Sargent, Benjamin M., assignor.)
- Rawls, James P., Columbia, S. C. Bellows-actuating mechanism for musical instruments. No. 1,083,136; Dec. 30; Gaz. vol. 197; p. 1228.
- Rawson, Cora, administratrix. (See Rawson, Willis E.)
- Rawson, Edward, Cincinnati, Ohio. Apparatus for curing meat. No. 1,070,531; Aug. 19; Gaz. vol. 193; p. 568.
- Rawson, Grant I., St. Louis, Mo. Mine-shot-firing system. No. 1,078,463; Nov. 11; Gaz. vol. 196; p. 453.
- Rawson, Justin L., New Bedford, Mass. Electric-light adjuster. No. 1,071,957; Sept. 2; Gaz. vol. 194; p. 98.
- Rawson, Louis W. (See Bird and Rawson.)
- Rawson, Willis E., deceased; C. Rawson, administratrix, Newburg, Ohio. Sanitary hoof-packing. No. 1,067,757; July 15; Gaz. vol. 192; p. 703.
- Rawstron, Donald, assignor to American Asphaltum and Rubber Co., Chicago, Ill. Penetration-machine. No. 1,062,032; May 20; Gaz. vol. 190; p. 577.
- Ray, Albert J., assignor of one-third to A. J. Beneke and one-third to D. Wells, Fort Worth, Tex. Valve for explosive-engines. No. 1,071,958; Sept. 2; Gaz. vol. 194; p. 98.
- Ray, Claude. (See Barrett and Ray.)
- Ray, Ebenezer R., Placerville, Cal. Pneumatic feed and return rock-drill. No. 1,077,856; Nov. 4; Gaz. vol. 196; p. 210.
- Ray, Eugene J., Beverly, Mass., assignor to United Shoe Machinery Company, Paterson, N. J. Buttonhole-sewing machine. No. 1,063,729; June 3; Gaz. vol. 191; p. 194.
- Ray, Lewis H., Ottawa, Ontario, Canada, assignor of one-half to F. P. Godson, Toubury, England. Control for aeroplanes. No. 1,067,271; July 15; Gaz. vol. 192; p. 539.
- Ray, Loyd W., Fairview, Okla. Convertible car-body. No. 1,079,722; Nov. 25; Gaz. vol. 196; p. 948.
- Ray, Madison B., and E. K. Henderson, Nederland, Colo. Resilient wheel. No. 1,077,430; Nov. 4; Gaz. vol. 196; p. 67.
- Ray, Madison B., and E. K. Henderson, Nederland, Colo. Spring-wheel. No. 1,082,973; Dec. 30; Gaz. vol. 197; p. 1176.
- Ray, Paul J., Lakewood, Ohio. Adjustable field-rheostat. No. 1,070,629; Aug. 19; Gaz. vol. 193; p. 600.
- Ray, Thomas H., Dorchester, Mass. Ice-making machine. No. 1,077,916; Nov. 4; Gaz. vol. 196; p. 231.
- Ray, William A., Oakland, Cal. Aerial amusement apparatus. No. 1,058,466; Apr. 8; Gaz. vol. 189; p. 413.
- Ray, William A., Oakland, Cal. Window-fastener. No. 1,071,574; Aug. 26; Gaz. vol. 193; p. 948.
- Ray, William H., assignor, by mesne assignments, to Saranac Machine Co., St. Joseph, Mich. Machine for grinding or sharpening corrugated-sheet-metal fasteners. No. 1,060,287; Apr. 29; Gaz. vol. 189; p. 1150.
- Ray, William H., assignor, by mesne assignments, to Saranac Machine Co., St. Joseph, Mich. Machine for making and driving corrugated sheet-metal fasteners. No. 1,064,007; June 10; Gaz. vol. 191; p. 321.
- Ray, William P., Stithon, Ky. Reel. No. 1,082,139; Dec. 23; Gaz. vol. 197; p. 852.
- Raybuck, Charles, Sprankle Mills, Pa. Grinding-machine. No. 1,056,940; Mar. 25; Gaz. vol. 188; p. 875.
- Raymond, Albert. (See Raymond, Alfred and A.)
- Raymond, Alfred and A., Washington, D. C. Inner tube for pneumatic tires. No. 1,065,836; June 24; Gaz. vol. 191; p. 1010.
- Raymond, Alfred and A., Washington, D. C. Inner tubes for pneumatic tires. No. 1,078,515; Nov. 11; Gaz. vol. 196; p. 470.
- Raymond, Alfred and A., Washington, D. C. Manufacturing multiple-chamber inner tubes for pneumatic tires. No. 1,079,186; Nov. 18; Gaz. vol. 196; p. 735.
- Raymond, Charles H., Hamlin, Tex. Ink-fountain. No. 1,052,621; Feb. 11; Gaz. vol. 187; p. 298.
- Raymond, Franklin M., Saugatuck, Conn. Train control. No. 1,065,722; June 24; Gaz. vol. 191; p. 971.
- Raymond, Freeborn F., 2d, deceased, Newton, Mass.; S. Carr, executor, assignor to United Shoe Machinery Company, Paterson, N. J. Blank-holder for heel-machines. No. 1,054,032; Feb. 25; Gaz. vol. 187; p. 860.
- Raymond, George S., Chippewa Falls, Wis. Convertible sliding and wheeled running-gear for vehicles. No. 1,060,123; Apr. 29; Gaz. vol. 189; p. 1091.
- Raymond, Lionel C., Glenbrook, Blue Mountains, New South Wales, Australia. Instrument for use in measuring and plotting land areas. No. 1,050,393; Jan. 14; Gaz. vol. 186; p. 399.
- Raymond W. Dull Company, The. (See Dull, Raymond W., assignor.)
- Raymond, Wendell H., Spencer, N. Y. Mail-bag catcher. No. 1,069,979; Aug. 12; Gaz. vol. 193; p. 335.
- Raymond, William B. (See Clark, Francis L., assignor.)
- Raymond, William I., Forest Grove, Oreg. Animal-trap. No. 1,082,649; Dec. 30; Gaz. vol. 197; p. 1062.
- Raynaly, Charles, Brussels, Belgium. Sheet-conveyer. No. 1,065,273; June 17; Gaz. vol. 191; p. 780.
- Rayner, William P., Philadelphia, Pa. Motor-vehicle. No. 1,064,089; June 10; Gaz. vol. 191; p. 349.
- Raynor, John. (See Foster and Raynor.)
- Raynor, Russell, Windsor, near Melbourne, assignor to J. Macmeikan, Melbourne, Victoria, Australia. Air-circulating apparatus for the preservation of alimentary substances. No. 1,068,272; July 22; Gaz. vol. 192; p. 912.

Alphabetical list of patentees—Continued.

- Razntch, John, Cloquet, Minn. Heel-cushion. No. 1,080,781; Dec. 9; Gaz. vol. 197; p. 332.
- Rea, Albert S., Newton, Miss. Flushing-valve. No. 1,054,940; Mar. 4; Gaz. vol. 188; p. 97.
- Rea, David G., assignor to Theodore W. Foster & Bro. Company, Providence, R. I. Manufacturing plated goods. No. 1,060,361; Apr. 29; Gaz. vol. 189; p. 1176.
- Rea, Edward J. F., Hartford, Conn., assignor to American Automatic Press Company, San Francisco, Cal. Ink-distributing mechanism. No. 1,074,066; Sept. 23; Gaz. vol. 194; p. 916.
- Rea, Edward J. F., Hartford, Conn., assignor to American Automatic Press Company, San Francisco, Cal. Feed mechanism. No. 1,074,067; Sept. 23; Gaz. vol. 194; p. 916.
- Rea, Edward J. F., and C. E. Clark, Hartford, Conn., assignors to American Automatic Press Company, San Francisco, Cal. Controlling mechanism. No. 1,074,065; Sept. 23; Gaz. vol. 194; p. 915.
- Reach, George A. (See Gamble, John, assignor.)
- Reach, Robert, Philadelphia, Pa. Swing. No. 1,063,730; June 3; Gaz. vol. 191; p. 195.
- Reach, Robert, Philadelphia, Pa., assignor to International Gymnasium Supply Company, Springfield, Mass. Exercising apparatus. No. 1,052,962; Feb. 11; Gaz. vol. 187; p. 415.
- Reach, Robert, assignor to International Gymnasium Supply Company, Springfield, Mass. Wall exercising apparatus. No. 1,053,109; Feb. 11; Gaz. vol. 187; p. 465.
- Read, Charles, New York, N. Y. Garment-fastener. No. 1,052,090; Feb. 4; Gaz. vol. 187; p. 85.
- Read, Francis, Ireland Island, La Poile, Newfoundland. Hat-pin attachment. No. 1,064,008; June 10; Gaz. vol. 191; p. 322.
- Read, Fred A., Lynn, assignor to The Reece Button Hole Machine Company, Boston, Mass. Shaft-brake or friction device. No. 1,081,988; Dec. 23; Gaz. vol. 197; p. 801.
- Read, George B., Bloomington, Ill. Elevator. No. 1,082,908; Dec. 30; Gaz. vol. 197; p. 1154.
- Read, Harry V. R., London, England. Device for aerating liquids. No. 1,056,451; Mar. 18; Gaz. vol. 188; p. 675.
- Read, Patrick H., New Philadelphia, Ohio. Automatic suitcase-alarm. No. 1,081,150; Dec. 9; Gaz. vol. 197; p. 454.
- Reade, William A., assignor to The Ludlow Typograph Company, Cleveland, Ohio. Typograph. No. 1,069,176; Aug. 5; Gaz. vol. 193; p. 30.
- Reading Crane & Hoist Works. (See Valentine, Herbert S., assignor.)
- Reading Hardware Company. (See De Wolfe, Willis H., assignor.)
- Reading Hardware Company. (See Mason, George N., assignor.)
- Ready, Herbert H., L. C. Connor, and L. C. Bevans, Kansas City, Mo. Perpetual kitchen-reminder. No. 1,082,044; Dec. 23; Gaz. vol. 197; p. 821.
- Ready, John, Donora, Pa. Window-shade. No. 1,065,723; June 24; Gaz. vol. 191; p. 972.
- Ready Tool Company, The. (See Fish, Harold, assignor.)
- Reagan, James, Philadelphia, Pa. Steam-boller furnace. No. 1,080,368; Dec. 2; Gaz. vol. 197; p. 159.
- Reagles, Samuel E., Baraboo, Wis. Rope-coupling. No. 1,079,881; Nov. 25; Gaz. vol. 196; p. 1004.
- Ream, Auston H., Verona, Pa. Side-gripping chuck for lathes or boring-mills. No. 1,064,539; June 10; Gaz. vol. 191; p. 503.
- Ream, Charles F., Lansing, Mich. Chuck. No. 1,063,215; June 3; Gaz. vol. 191; p. 16.
- Reams, Herman S. (See Turner and Reams.)
- Reamy, Christopher S., Los Angeles, Cal. Screw gripper and driver. No. 1,075,225; Oct. 7; Gaz. vol. 195; p. 219.
- Reap, Edward A., and J. C. Johnston, Enid, Okla. Cork holder and lifter. No. 1,074,015; Sept. 23; Gaz. vol. 194; p. 899.
- Rearick, Charles B., assignor to Connecticut Turbine Manufacturing Company, New London, Conn. Elastic-fluid turbine. No. 1,069,177; Aug. 5; Gaz. vol. 193; p. 31.
- Rearick, Charles B., assignor to Connecticut Turbine Manufacturing Company, New London, Conn. Axial-flow steam-turbine. No. 1,077,300; Nov. 4; Gaz. vol. 196; p. 20.
- Reaser, Charles D. (See Stevens, Ward R., assignor.)
- Reason, Albert A., Pontiac, assignor of one-third to F. Reason, Detroit, Mich. Friction transmission mechanism. No. 1,052,692; Feb. 11; Gaz. vol. 187; p. 322.
- Reason, Floyd. (See Reason, Albert A., assignor.)
- Reavell, William, Ipswich, England. Air-compressor. No. 1,070,733; Aug. 19; Gaz. vol. 193; p. 635.
- Reavis, Edwin E., Summitville, Ind. Transplanting-machine. No. 1,059,316; Apr. 15; Gaz. vol. 189; p. 743.
- Reavis, James A., Napa, Cal. Device for feeding and watering poultry. No. 1,051,823; Jan. 28; Gaz. vol. 186; p. 953.
- Reber, Irvin E., Marshall, Minn. Mower attachment. No. 1,056,122; Mar. 18; Gaz. vol. 188; p. 565.
- Reber, Thomas D. (See Beam, Willie C., assignor.)
- Recen, Henry A. (See Born and Recen.)
- Recen, Henry A., Denver, Colo. Rotary engine. No. 1,059,637; Apr. 22; Gaz. vol. 189; p. 887.
- Rechniewski, Stanislaw, St. Petersburg, Russia. Integral reinforced-concrete roof structure. No. 1,062,736; May 27; Gaz. vol. 190; p. 852.
- Rechnitz, Otto, Cottbus, Germany. Carrier for plaster-work. No. 1,078,464; Nov. 11; Gaz. vol. 196; p. 453.
- Recht, Frederick, New York, N. Y. Machine for applying caps to bottles. No. 1,055,796; Mar. 11; Gaz. vol. 188; p. 420.
- Rechtschaffen, Louis, New York, N. Y. Hat-pin guard. No. 1,071,575; Aug. 26; Gaz. vol. 193; p. 948.
- Reckenthaler, Jacob, Campia, Wis. Calk-plugging machine. No. 1,060,124; Apr. 29; Gaz. vol. 189; p. 1091.
- Recker, Adolph C., Oakville, assignor to Waterbury Mfg. Co., Waterbury, Conn. Portable hand electric lamp. No. 1,062,117; May 20; Gaz. vol. 190; p. 606.
- Recker, Adolph C., Oakville, assignor to Waterbury Mfg. Co., Waterbury, Conn. Shade-holder. No. 1,080,998; Dec. 9; Gaz. vol. 197; p. 406.
- Recklin, Arthur J. M., Bay City, Mich. Kite. No. 1,067,272; July 15; Gaz. vol. 192; p. 539.
- Recklinghausen, Max von. (See Henri, Helbronner, and Recklinghausen.)
- Recording and Computing Machine Company, The. (See Ohmer, Whistler, and McAllister, assignors.)
- Rector Engine Corporation. (See Rector, Enoch, assignor.)
- Rector, Enoch, assignor to Rector Engine Corporation, New York, N. Y. Fluid-operated engine. No. 1,060,125; Apr. 29; Gaz. vol. 189; p. 1092.
- Rector, Jesse, assignor to W. Rector, Albia, Iowa. Burial-vault. No. 1,069,470; Aug. 5; Gaz. vol. 193; p. 135.
- Rector, Wiley C. (See Williams, Theodore V., assignor.)
- Rector, William. (See Rector, Jesse, assignor.)
- Red Jacket Manufacturing Company. (See Stebbins, Timothy, assignor.)
- Redburn, George W., College Place, Wash. Driving mechanism for polishing devices. No. 1,065,627; June 24; Gaz. vol. 191; p. 939.
- Redburn, George W., College Place, Wash. Crank for automobile-engines. No. 1,082,650; Dec. 30; Gaz. vol. 197; p. 1062.
- Reddersen, Arthur W., and F. G. Borg, assignors to Forsyth Brothers Company, Chicago, Ill. Metal sash construction. No. 1,069,290; Aug. 5; Gaz. vol. 193; p. 71.
- Reddick, Eugene, and J. P. Noel, Hackensack, N. J. Trolley. No. 1,078,218; Nov. 11; Gaz. vol. 196; p. 367.
- Reddick, Joseph G., Portland, Ore. Non-refillable bottle. No. 1,072,497; Sept. 9; Gaz. vol. 194; p. 310.
- Redding, Frederick W., Jacksonville, Mo. Tire. No. 1,065,907; June 24; Gaz. vol. 191; p. 1035.
- Redding, John W., assignor to C. E. Higgins, Seattle, Wash. Belt-tightener. No. 1,051,759; Jan. 28; Gaz. vol. 186; p. 931.
- Redding, Robert E., Terre Haute, Ind. Bottle-closure. No. 1,075,940; Oct. 14; Gaz. vol. 195; p. 492.
- Redding, Rufus M., Macon, Ga. Box-cover fastener. No. 1,055,797; Mar. 11; Gaz. vol. 188; p. 420.
- Reddy, James F., Rochester, N. Y. Liquid-raising apparatus. No. 1,073,630; Sept. 23; Gaz. vol. 194; p. 766.
- Redeker, George W., Wheeling, W. Va. Ball-cock-seat dresser-guide. No. 1,073,362; Sept. 16; Gaz. vol. 194; p. 654.
- Redelmann, Ulrich G. (See Mitchell and Taggart, assignors.)
- Redfield, Edward E., Glendale, Oreg. Firearm. No. 1,057,170; Mar. 25; Gaz. vol. 188; p. 954.
- Redfield, Edward E., Glendale, Oreg., assignor of one-half to J. H. Redfield, Denver, Colo. Air-rifle. No. 1,057,171; Mar. 25; Gaz. vol. 188; p. 954.
- Redfield, John H. (See Redfield, Edward E., assignor.)
- Redgrave, Arthur. (See Berryman and Redgrave.)
- Redin, Andrew W., assignor to C. G. Peterson, Rockford, Ill. Locking means for lasts. No. 1,066,049; July 1; Gaz. vol. 192; p. 51.
- Redlich, Alexander E., Chicago, Ill. Novelty-lamp. No. 1,051,760; Jan. 28; Gaz. vol. 186; p. 931.
- Redmond, James E., assignor of one-fourth to E. L. Bates, Crandall, Ga., and one-fourth to J. J. Bates, Etowah, Tenn. Excavating apparatus. No. 1,066,655; July 8; Gaz. vol. 192; p. 291.
- Redmond, John E., assignor of one-half to J. W. Breakey and J. H. Bartlett, Souris, Manitoba, Canada. Buckle. No. 1,072,498; Sept. 9; Gaz. vol. 194; p. 311.
- Redner, Frank A., assignor to Tonawanda Advertising Company, Tonawanda, N. Y. Woodworking-machine. No. 1,059,069; Apr. 15; Gaz. vol. 189; p. 659.
- Redpath, Robert. (See Bacon and Redpath.)
- Redrup, Charles B., Canton, Cardiff, England. Fluid-pressure engine or pump. No. 1,050,691; Jan. 14; Gaz. vol. 186; p. 500.
- Redrup, Charles B., Canton, Cardiff, England. Valve for internal-combustion engines. No. 1,059,210; Apr. 15; Gaz. vol. 189; p. 707.
- Redrup, Charles B., Canton, Cardiff, England. Valve-gear. No. 1,061,868; May 13; Gaz. vol. 190; p. 479.

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- Redwine, George W., Lesley, Tex. Harrow attachment for cultivators. No. 1,066,844; July 8; Gaz. vol. 192; p. 356.
- Reece Button Hole Machine Company, The. (See Carp, Arthur, assignor.)
- Reece Button Hole Machine Company, The. (See Hagelstein, Christian H. T., assignor.)
- Reece Button Hole Machine Company, The. (See Klewicz, John, assignor.)
- Reece Button Hole Machine Company, The. (See Martin, Henry J., assignor.)
- Reece Button Hole Machine Company, The. (See Read, Fred A., assignor.)
- Reece, Juan H., assignor to Humphrey & Sons, Joliet, Ill. Air-valve. No. 1,052,173; Feb. 4; Gaz. vol. 187; p. 115.
- Reece Shoe Machinery Company *et al.* (See Coleman, George, assignor.)
- Reece Shoe Machinery Company, The. (See Schoenky, August R., assignor.)
- Reed, Albert R., Hot Springs, Ark. Keyhole-guard. No. 1,073,779; Sept. 23; Gaz. vol. 194; p. 820.
- Reed, Albert S., Chicago, Ill. Ball-bearing construction. No. 1,080,169; Dec. 2; Gaz. vol. 197; p. 88.
- Reed, Arthur, assignor of two-thirds to B. W. Reed and one-third to E. E. Thornton, Fort Worth, Tex. Land-breaking plow. No. 1,071,576; Aug. 26; Gaz. vol. 193; p. 948.
- Reed, Bennett W., *et al.* (See Reed, Arthur, assignor.)
- Reed, Carroll H., New York, N. Y. Suspending device for umbrellas. No. 1,068,273; July 22; Gaz. vol. 192; p. 912.
- Reed, Charles E., assignor to Charles E. Reed & Company, Chicago, Ill. Pattern-grading machine. No. 1,079,022; Nov. 18; Gaz. vol. 196; p. 678.
- Reed, Charles J., Philadelphia, Pa. Electrolytic process. No. 1,055,652; Mar. 11; Gaz. vol. 188; p. 370.
- Reed, Charles J., Philadelphia, Pa. Electrolytic process. No. 1,055,653; Mar. 11; Gaz. vol. 188; p. 370.
- Reed, Charles J., Philadelphia, Pa. Recovering zinc. No. 1,069,178; Aug. 5; Gaz. vol. 193; p. 32.
- Reed, Charles J., Philadelphia, Pa. Roasting ores and recovering zinc therefrom. No. 1,069,179; Aug. 5; Gaz. vol. 193; p. 32.
- Reed, David B., assignor of one-fourth to H. F. Remm, Kansas City, Mo. Metal cross-tie for railways. No. 1,066,320; July 1; Gaz. vol. 192; p. 148.
- Reed, Dederick I., Knoxville, Tenn. Fire-escape. No. 1,080,476; Dec. 2; Gaz. vol. 197; p. 195.
- Reed, Edward B., *et al.* (See Whitaker, Samuel T., assignor.)
- Reed, Elmer E., Chillicothe, Mo. Inside brace for silos and tanks. No. 1,074,645; Oct. 7; Gaz. vol. 195; p. 20.
- Reed, Frank, Omaha, Nebr. Resilient tire. No. 1,072,260; Sept. 2; Gaz. vol. 194; p. 199.
- Reed, Frank, and W. Rickardson, Eureka, Cal. Signaling device. No. 1,062,502; May 20; Gaz. vol. 190; p. 735.
- Reed, George W., Holcomb, N. Y. Ladder. No. 1,063,831; June 3; Gaz. vol. 191; p. 228.
- Reed, George W., Bronson, Tex. Rail-joint. No. 1,067,062; July 8; Gaz. vol. 192; p. 429.
- Reed, Habirt, Mountain Grove, Va. Rail-joint. No. 1,080,124; Dec. 2; Gaz. vol. 197; p. 73.
- Reed, Herbert E., Newton, Mass. Trap-chamber cover. No. 1,069,180; Aug. 5; Gaz. vol. 193; p. 32.
- Reed, James H., Lynn, Mass. Abrading-wheel. No. 1,056,058; Mar. 18; Gaz. vol. 188; p. 542.
- Reed, John C., Steelton, Pa. System of electric-motor control. No. 1,060,940; May 6; Gaz. vol. 190; p. 130.
- Reed, John C., Steelton, Pa. System of electric-motor control. No. 1,060,941; May 6; Gaz. vol. 190; p. 131.
- Reed, John C., assignor to Standard Sanitary Manufacturing Company, Pittsburgh, Pa. Bath-tub. No. 1,049,917; Jan. 7; Gaz. vol. 186; p. 202.
- Reed, John C., assignor to Standard Sanitary Manufacturing Company, Pittsburgh, Pa. Bath-tub. No. 1,050,071; Jan. 7; Gaz. vol. 186; p. 256.
- Reed, John C., assignor to Standard Sanitary Manufacturing Company, Pittsburgh, Pa. Mold-former. No. 1,078,108; Nov. 11; Gaz. vol. 196; p. 329.
- Reed, John M., Atlanta, Ga. Belt-dressing applier. No. 1,075,941; Oct. 14; Gaz. vol. 195; p. 492.
- Reed, John N., Cienfuegos, Cuba. Sugar-sampler. No. 1,060,493; Apr. 29; Gaz. vol. 189; p. 1221.
- Reed, John T., Los Angeles, Cal. Clothes-line holder. No. 1,069,181; Aug. 5; Gaz. vol. 193; p. 32.
- Reed, John W., Cedar Grove, W. Va. Protective device for mines. No. 1,064,378; June 10; Gaz. vol. 191; p. 448.
- Reed, Johnie, *et al.* (See Hollingsworth, John B., assignor.)
- Reed-Prentice Company. (See Hendrickson, Fred K., assignor.)
- Reed, Ray D., Albuquerque, N. Mex. Nut-lock. No. 1,049,765; Jan. 7; Gaz. vol. 186; p. 152.
- Reed, Ray D., Albuquerque, N. Mex. Nut-lock. No. 1,049,766; Jan. 7; Gaz. vol. 186; p. 152.
- Reed, Reginald F., Toronto, Ontario, Canada. Water-coil. No. 1,081,332; Dec. 16; Gaz. vol. 197; p. 554.
- Reed, Richard D., Westfield, Mass. Boiler. No. 1,080,232; Dec. 2; Gaz. vol. 197; p. 109.
- Reed, Roy. (See Fiveshilling, Albert D., assignor.)
- Reed, Walter C., Dalton, assignor to The Teleelectric Company, Pittsfield, Mass. Playing apparatus for musical instruments. No. 1,058,902; Apr. 15; Gaz. vol. 189; p. 601.
- Reed, Willard L., Washington, Pa. Excavator. No. 1,060,558; Apr. 29; Gaz. vol. 189; p. 1244.
- Reed, Willis C., Cambridge, Ill. Sound-deadening device. No. 1,063,385; June 3; Gaz. vol. 191; p. 73.
- Reeder, A. H., *et al.* (See Wells, Alpherd P. and J. C., assignors.)
- Reeder, John F., Shelbyville, Ill. Railway-crossing signal. No. 1,054,792; Mar. 4; Gaz. vol. 188; p. 48.
- Reeder, John F., Lorraine, Tex. Planter. No. 1,075,668; Oct. 14; Gaz. vol. 195; p. 399.
- Reeder, Nathaniel S., Chicago, Ill. Car-dumping mechanism. No. 1,075,495; Oct. 14; Gaz. vol. 195; p. 340.
- Reeder, Samuel B., Washington, D. C. Game apparatus. No. 1,068,449; July 29; Gaz. vol. 192; p. 1012.
- Reedy, John H. (See Kookan and Reedy.)
- Reedy, Michael, Memphis, Tenn. Rail-drilling means. No. 1,070,354; Aug. 12; Gaz. vol. 193; p. 464.
- Reedy, Preston S. (See Lozier and Reedy.)
- Reedy, Rufus A. (See Lozier and Reedy.)
- Reedy, Walter T. (See Lozier and Reedy.)
- Reel, John, Weir, assignor of one-half to J. S. Powell, Stewart, Miss. Nut-lock. No. 1,052,380; Feb. 4; Gaz. vol. 187; p. 183.
- Reenstierna, Gustaf L., Congers, N. Y., assignor to E. B. Gleason, Jersey City, N. J. Valve. No. 1,071,627; Aug. 26; Gaz. vol. 193; p. 966.
- Reenstierna, Ivar, Boston, Mass. Deodorizer. No. 1,053,873; Feb. 18; Gaz. vol. 187; p. 769.
- Rees, Edmund S. G., Dunscar, Oaken, near Wolverhampton, England. Centrifugal pump, turbine, and compressor. No. 1,068,365; July 22; Gaz. vol. 192; p. 945.
- Rees, Edward B. (See Plater and Rees.)
- Rees, Forrest P., Huntington, Ind. Measuring-cabinet. No. 1,077,999; Nov. 11; Gaz. vol. 196; p. 292.
- Rees, Harry, Llansamlet, Glamorgan, Wales, and H. L. Sulman, assignors to The Metals Extraction Corporation Limited, London, England. Deposition of metallic salts from solutions containing them. No. 1,074,203; Sept. 30; Gaz. vol. 194; p. 991.
- Rees, Henry J., Llansamlet, Glamorgan, Wales. Deposition of metallic salts from solutions containing them. No. 1,073,363; Sept. 16; Gaz. vol. 194; p. 654.
- Rees, Noland B., Jr., Lincoln, Kans. Music-leaf turner. No. 1,054,616; Feb. 25; Gaz. vol. 187; p. 1059.
- Reese, Darius F., *et al.* (See Dohm, Frederick W., assignor.)
- Reese, Edwin M., Dallas, Tex. Combined plow and scraper. No. 1,071,176; Aug. 26; Gaz. vol. 193; p. 816.
- Reese, Frederick W., East Palestine, Ohio. Water-heater. No. 1,077,160; Oct. 28; Gaz. vol. 195; p. 994.
- Reese, John E., Louisville, Ky., assignor to The Accident Insurance Machine Company of America, St. Louis, Mo. Vending-machine. No. 1,053,138; Feb. 11; Gaz. vol. 187; p. 475.
- Reese, Joseph W., Salt Lake City, Utah. Clamping device. No. 1,078,378; Nov. 11; Gaz. vol. 196; p. 424.
- Reese, Paul P., and S. S. Wales, Munhall, assignors to Carnegie Steel Company, Pittsburgh, Pa. Making steel. No. 1,082,359; Dec. 23; Gaz. vol. 197; p. 931.
- Reese, William D., Taylor, Pa. Hat attachment. No. 1,081,333; Dec. 16; Gaz. vol. 197; p. 555.
- Reese, William M., Los Angeles, Cal. Resilient vehicle-wheel. No. 1,063,594; June 3; Gaz. vol. 191; p. 145.
- Reeve, Budd, Buxton, N. D. Seed-cleansing machine. No. 1,051,635; Jan. 28; Gaz. vol. 186; p. 891.
- Reeve, George W., Nevinville, Iowa. One-piece sled-runner. No. 1,049,601; Jan. 7; Gaz. vol. 186; p. 98.
- Reeve, Henry E., New York, N. Y. Electrical apparatus. No. 1,080,583; Dec. 9; Gaz. vol. 197; p. 263.
- Reeve, Henry E., New York, N. Y. Electrical apparatus. No. 1,080,584; Dec. 9; Gaz. vol. 197; p. 263.
- Reeve, Henry E., New York, N. Y. Electrical apparatus. No. 1,080,585; Dec. 9; Gaz. vol. 197; p. 263.
- Reeve, Worth B., and N. Siglin, Aurelia, Iowa. Obstetrical instrument. No. 1,080,477; Dec. 2; Gaz. vol. 197; p. 195.
- Reeves, A. I., Helena, Mont. Vacuum cleaning-nozzle for pianos. No. 1,070,630; Aug. 19; Gaz. vol. 193; p. 601.
- Reeves, Ira L., Allerton, Mass. Hat-fastening device. No. 1,063,731; June 3; Gaz. vol. 191; p. 195.
- Reeves, John A., Chicago, Ill., assignor to Eastman Kodak Co., Rochester, N. Y. Panoramic camera. No. 1,071,346; Aug. 26; Gaz. vol. 193; p. 873.
- Reeves, Reuben G., Massillon, Ohio. Roundabout. No. 1,080,927; Dec. 9; Gaz. vol. 197; p. 383.
- Reeves, Samuel V., Haddonfield, N. J. Stove. No. 1,063,732; June 3; Gaz. vol. 191; p. 195.
- Reeves, William, and H. B. La Trobe, Henderson, New Zealand. Swingletree. No. 1,060,942; May 6; Gaz. vol. 190; p. 131.
- Refsahl, John T., Brooklyn, N. Y. Hacksaw. No. 1,051,761; Jan. 28; Gaz. vol. 186; p. 932.
- Regal Musical Instrument Co. (See Kordick, Frank, assignor.)

Alphabetical list of patentees—Continued.

- Regal Shoe Company. (See Cross, Charles H., 2nd, assignor.)
- Regamey, Frank, New York, N. Y. Table. No. 1,054,617; Feb. 25; Gaz. vol. 187; p. 1060.
- Regan, John, New Bedford, Mass., assignor to Crompton & Knowles Loom Works. Warp stop-motion for looms. No. 1,067,063; July 8; Gaz. vol. 192; p. 430.
- Regan, Joseph M., Los Angeles, and A. Plante, Santa Monica, Cal. Device for elevating pump-rods or the like. No. 1,060,210; Apr. 29; Gaz. vol. 189; p. 1121.
- Regar Company, The. (See Regar, Joseph, assignor.)
- Regar, Joseph, assignor to The Regar Company, Cleveland, Ohio. Faucet attachment. No. 1,078,379; Nov. 11; Gaz. vol. 196; p. 425.
- Regar, William J., Tampa, Fla. Sanitary drinking-fountain for horses and cattle. No. 1,064,540; June 10; Gaz. vol. 191; p. 504.
- Regas, Albert, Jestetten, Germany, W. Herrmann, Flurigen, and A. Moser, Neuhausen, Switzerland. Water-cock. No. 1,071,462; Aug. 26; Gaz. vol. 193; p. 911.
- Regecz, Josef, Gary, Ind. Electric rat-trap. No. 1,075,669; Oct. 14; Gaz. vol. 195; p. 399.
- Reger, Conrad, Philadelphia, Pa. Pulley. No. 1,050,294; Jan. 14; Gaz. vol. 186; p. 364.
- Regina Company, The. (See Koch, Henry, assignor.)
- Register, Brooks B., Martel, Fla. Saw-guide. No. 1,061,869; May 13; Gaz. vol. 190; p. 480.
- Register Tracer System, The. (See Todd, John T., assignor.)
- Rego, Charles E., Boston, Mass. Device for preventing blowing off of manhole-covers. No. 1,071,577; Aug. 26; Gaz. vol. 193; p. 949.
- Regondi, Giuseppe, New York, N. Y. Oil vaporizer and burner. No. 1,053,874; Feb. 18; Gaz. vol. 187; p. 770.
- Regondi, Giuseppe, New York, N. Y. Pressure-regulator. No. 1,063,065; May 27; Gaz. vol. 190; p. 961.
- Rehak, James. (See Madigan and Rehak.)
- Rehak, James, Cicero, assignor to The B. F. Cummins Company, Chicago, Ill. Mail-classifying machine. No. 1,060,943; May 6; Gaz. vol. 190; p. 131.
- Rehak, James, and J. H. Madigan, Chicago, Ill. Post-marking-machine. No. 1,051,159; Jan. 21; Gaz. vol. 186; p. 699.
- Reber, August H., Norwood, Ohio. Multiple-spindle drill-head. No. 1,079,023; Nov. 18; Gaz. vol. 196; p. 679.
- Rehfuß, John G. (See Tily and Rehfuß.)
- Rehfuß, Martin O. (See Hoff and Rehfuß.)
- Rehfuß, Martin O. (See Tily and Rehfuß.)
- Rehländer, Paul, Charlottenburg, assignor to Chemische Fabrik auf Actien (vorm. E. Schering), Berlin, Germany. Toning-bath for photographic silver-prints. No. 1,064,379; June 10; Gaz. vol. 191; p. 448.
- Rehm, Irving R., Chicago, Ill. Globe-supporting device. No. 1,050,846; Jan. 21; Gaz. vol. 186; p. 589.
- Reiber, Harry A. (See Craig and Reiber.)
- Reiber, Robert, New Castle, Pa. Babbitting-machine for locomotive cross-heads. No. 1,083,137; Dec. 30; Gaz. vol. 197; p. 1228.
- Reich, Otto H., Greenacres, Wash. Seeder. No. 1,055,226; Mar. 4; Gaz. vol. 188; p. 191.
- Reichardt, Bruno O., New York, N. Y. Bung-lock. No. 1,071,796; Sept. 2; Gaz. vol. 194; p. 45.
- Reichardt, Erich, assignor to R. Cornely, Paris, France. Festooning, edging, and embroidering machine. No. 1,054,713; Mar. 4; Gaz. vol. 188; p. 19.
- Reichardt, Ferdinand A., and J. H. M. Dudley, Elizabeth, N. J.; said Dudley assignor to said Reichardt. Razor-strop support and case. No. 1,068,604; July 29; Gaz. vol. 192; p. 1065.
- Reichardt, Peter. (See Tannenbaum and Reichardt.)
- Reichart, James H., La Fayette, Ind. Illuminated fountain. No. 1,073,521; Sept. 16; Gaz. vol. 194; p. 707.
- Reiche, Hermann, Millstone, N. J. Igniter for internal-combustion engines. No. 1,068,930; July 29; Gaz. vol. 192; p. 1181.
- Reichelt, Bruno, assignor to Beta Fertilizer Company, Newark, N. J. Fertilizer. (Reissue.) No. 13,540; Mar. 4; Gaz. vol. 188; p. 218.
- Reichelt, Bruno, assignor to Beta Fertilizer Co., Newark, N. J. Fertilizer. No. 1,071,795; Sept. 2; Gaz. vol. 194; p. 45.
- Reichert, August F., assignor to Reichert Mfg. Co., Milwaukee, Wis. Mold for silo-walls. No. 1,071,177; Aug. 26; Gaz. vol. 193; p. 816.
- Reichert, Auguste, Geneva, Switzerland. Apparatus for making coffee. No. 1,075,727; Oct. 14; Gaz. vol. 195; p. 419.
- Reichert, Carl E., and M. Veeck, assignors to Engle Brush Manufacturing Company, Philadelphia, Pa. Bottle-brush. No. 1,055,981; Mar. 11; Gaz. vol. 188; p. 481.
- Reichert Mfg. Co. (See Reichert, August F., assignor.)
- Reichardt, George, New York, N. Y. Hot-water heater. No. 1,065,837; June 24; Gaz. vol. 191; p. 1010.
- Reichhelm, George L., assignor, by mesne assignments, to P. R. Manufacturing Company, Detroit, Mich. Coin-controlled mechanism. (Reissue.) No. 13,549; Apr. 1; Gaz. vol. 189; p. 216.
- Reichhelm, George L., Jersey City, N. J., assignor, by mesne assignments, to P. R. Manufacturing Company, Detroit, Mich. Rotary blower. No. 1,076,391; Oct. 21; Gaz. vol. 195; p. 675.
- Reichhelm, George L., assignor, by mesne assignments, to P. R. Manufacturing Company, Detroit, Mich. Stamp-vending and affixing machine. No. 1,076,517; Oct. 21; Gaz. vol. 195; p. 720.
- Reichhelm, George L., assignor of one-half to F. A. Curtiss, Denver, Colo., and one-half to P. R. Manufacturing Company, Detroit, Mich. Stamp-vending machine. No. 1,071,178; Aug. 26; Gaz. vol. 193; p. 817.
- Reichman, Alfred. (See Baughman, Sherman, assignor.)
- Reichner, Louis L., Atlantic City, N. J. Liquid mixer, shaker, and juice-extractor. No. 1,075,119; Oct. 7; Gaz. vol. 195; p. 182.
- Reichstetter, John G. (See Billings, Cecil M., assignor.)
- Reid, Alban H., Philadelphia, Pa. Pasteurized-liquid-holding apparatus. No. 1,052,963; Feb. 11; Gaz. vol. 187; p. 415.
- Reid, Alexander C., assignor to Cracraft, Leich Electric Company, Genoa, Ill. Desk-telephone. No. 1,060,211; Apr. 29; Gaz. vol. 189; p. 1121.
- Reid, Alexander C., Genoa, Ill., assignor, by mesne assignments, to The Hall Switch & Signal Company. Selective signaling system. No. 1,069,347; Aug. 5; Gaz. vol. 193; p. 91.
- Reid, Bynum J., Milan, Ga. Churn. No. 1,062,254; May 20; Gaz. vol. 190; p. 653.
- Reid, Bynum J., Milan, Ga. Washing-machine. No. 1,074,740; Oct. 7; Gaz. vol. 195; p. 53.
- Reid, Charles H., Simcoe, Ontario, Canada. Umbrella-runner lock. No. 1,055,654; Mar. 11; Gaz. vol. 188; p. 371.
- Reid, Charles R., Heidelberg, Miss. Reversible rotary engine. No. 1,056,833; Mar. 25; Gaz. vol. 188; p. 836.
- Reid, Daniel F., Dorchester, and H. C. Johnson, Cambridge, Mass. Sheet-feeding device for printing-presses. No. 1,054,987; Mar. 4; Gaz. vol. 188; p. 113.
- Reid, George B., Aberdeen, Wash. Shock-absorber. No. 1,071,463; Aug. 26; Gaz. vol. 193; p. 911.
- Reid, Guy, Osage City, Kans. Combined towel holder and lock. No. 1,067,622; July 15; Gaz. vol. 192; p. 658.
- Reid, John. (See Platt and Reid.)
- Reid, John, New York, N. Y. Dredge-hopper. No. 1,063,284; June 3; Gaz. vol. 191; p. 39.
- Reid, John, and H. A. Mavor, Glasgow, Scotland. Dredger. No. 1,062,926; May 27; Gaz. vol. 190; p. 916.
- Reid, John, and G. Simpson, New York, N. Y. Ship. No. 1,065,549; June 24; Gaz. vol. 191; p. 913.
- Reid, John A., Duenweg, Mo. Doubletree. No. 1,076,317; Oct. 21; Gaz. vol. 195; p. 650.
- Reid, Josiah E., Beverly, Mass., assignor to United Shoe Machinery Company, Paterson, N. J. Sole-edge-molding machine. No. 1,059,394; Apr. 22; Gaz. vol. 189; p. 806.
- Reid, Marcellus, Cleveland, Ohio. Bearing. No. 1,076,701; Oct. 28; Gaz. vol. 195; p. 839.
- Reid, Norman K., Toronto, Ontario, Canada. Open-fire-place damper. No. 1,059,906; Apr. 22; Gaz. vol. 189; p. 975.
- Reid, Philip H. (See Moore, Frederick J., assignor.)
- Reid, Robert M., Colorado Springs, Colo. Holder and deliverer for drinking-straws. No. 1,062,503; May 20; Gaz. vol. 190; p. 735.
- Reid, Robert T., Seattle, Wash. Signaling mechanism. No. 1,058,261; Apr. 8; Gaz. vol. 189; p. 341.
- Reid, William L., Schenectady, N. Y. Steam-engine cylinder-head. No. 1,066,321; July 1; Gaz. vol. 192; p. 148.
- Reider, Laszlo, Cleveland, Ohio. Bottle-closure. No. 1,068,077; July 22; Gaz. vol. 192; p. 845.
- Reidhaar, Frank P., Connersville, Ind. Concealed hinge. No. 1,072,774; Sept. 9; Gaz. vol. 194; p. 406.
- Reiff, William H., assignor to M. Zeitler, Philadelphia, Pa. Toy. No. 1,064,380; June 10; Gaz. vol. 191; p. 448.
- Reifschneider, John, assignor of one-half to E. Twenhoefel, Belleville, Ill. Press. No. 1,071,179; Aug. 26; Gaz. vol. 193; p. 817.
- Reifsnider, William H., Akron, Ohio. Cistern. No. 1,082,444; Dec. 23; Gaz. vol. 197; p. 958.
- Reifsnider, James D., and H. G. Schwerdtle, Philadelphia, Pa., assignors to Stokes & Smith Company. Machine for applying corner-staying tabs to box-covering blanks. No. 1,060,026; Apr. 29; Gaz. vol. 189; p. 1060.
- Reifsnider, William H., et al. (See Phillippi, Frank A., assignor.)
- Reiger, Fritz, Springfield, Ill. Knockdown box. No. 1,070,532; Aug. 19; Gaz. vol. 193; p. 568.
- Reighard, William H., Akron, Ohio. Nut or bolt locking device. No. 1,061,125; May 6; Gaz. vol. 190; p. 195.
- Reiland, Ernest S., St. Paul, Minn. Explosive-engine and valve-gear for same. No. 1,060,629; May 6; Gaz. vol. 190; p. 23.
- Reilly, J. P. (See Showalter, Roy C., assignor.)
- Reilly, James F., Baltimore, Md. Portable overhead track-way. No. 1,052,174; Feb. 4; Gaz. vol. 187; p. 115.
- Reilly, John D. (See Brogan, Edward J., assignor.)
- Reilly, Michael E., New Hampton, Iowa. Seed-rack. No. 1,079,513; Nov. 25; Gaz. vol. 196; p. 875.
- Reiman, Walter J. (See Burkhart, Charles F., assignor.)

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- Reimer, William H., assignor of one-half to J. L. H. Lechner, Detroit, Mich. Plastering-machine. No. 1,053,645; Feb. 18; Gaz. vol. 187; p. 693.
- Reimers, Gustav R. E., Bellingham, Wash. Strut for aeroplanes, &c. No. 1,081,467; Dec. 16; Gaz. vol. 197; p. 600.
- Rein, Lester E., assignor to Pacific Flush Tank Company, Chicago, Ill. Timed siphon. No. 1,063,595; June 3; Gaz. vol. 191; p. 146.
- Reinartz, Henry J., Cleveland, Ohio. Embroidery-hoop support. No. 1,061,325; May 13; Gaz. vol. 190; p. 297.
- Reinders, George. (See Giencke, Frederick A., assignor.)
- Reinecke, John P., Crafton, Pa. Water-heater. No. 1,063,733; June 3; Gaz. vol. 191; p. 196.
- Reinehr, John, Savanna, Ill., assignor to Rail Laying Machine Company. Rail-laying apparatus. (Reissue.) No. 13,602; Aug. 5; Gaz. vol. 193; p. 197.
- Reineke, William, Alta Vista, Kans. Manure-loader. No. 1,052,964; Feb. 11; Gaz. vol. 187; p. 415.
- Reineke, William A., Perry, Ill. Register for carbid lighting plants. No. 1,054,618; Feb. 25; Gaz. vol. 187; p. 1060.
- Reinert, Daniel, Temple, Pa. Sand-screen. No. 1,081,253; Dec. 9; Gaz. vol. 197; p. 489.
- Reinforced Concrete Pipe Company. (See Phelan, John M., assignor.)
- Reinhard, Hugo. (See Schroeder and Reinhard.)
- Reinhardt, Heinrich, assignor to Kalle & Company, Aktiengesellschaft, Biebrich, Germany. Manufacture of diacidyl and higher acidylated compounds from aminoazo bases. No. 1,076,840; Oct. 28; Gaz. vol. 195; p. 887.
- Reinhardt, Louis W., Brockton, Mass. Shoe-form. No. 1,071,347; Aug. 26; Gaz. vol. 193; p. 873.
- Reinhardt, Oswald, Dessau, Germany. Apparatus for the reception and reproduction of sound-waves. No. 1,064,771; June 17; Gaz. vol. 191; p. 617.
- Reinhardt, Walter, Frankfort-on-the-Main, Germany. Milling plant. No. 1,052,381; Feb. 4; Gaz. vol. 187; p. 183.
- Reinhart, John, Early, Iowa. Insect-trap. No. 1,056,214; Mar. 18; Gaz. vol. 188; p. 596.
- Reinhart, John, Early, Iowa. Rail-joint. No. 1,078,750; Nov. 18; Gaz. vol. 196; p. 583.
- Reinhart, Oscar. (See Price, William J., assignor.)
- Reinhart, Philip F., Meriden, Conn. Steam-blower. No. 1,056,581; Mar. 18; Gaz. vol. 188; p. 722.
- Reinheimer, Isaac, *et al.* (See Lake, John L., assignor.)
- Reinherz, Therese, Munich, Germany. Preserving plant-leaves, flowers, butterdies, and the like. No. 1,076,786; Oct. 28; Gaz. vol. 195; p. 868.
- Reinig, Paul. (See Flick and Reinig.)
- Reinmann, Charles F. (See Pearl and Reinmann.)
- Reinoehl, Charles W., deceased, (H. B. Reinoehl, executrix,) Steelton, and B. L. Weaver, Middletown, Pa. Anticreeper for railway-rails. No. 1,069,471; Aug. 5; Gaz. vol. 193; p. 135.
- Reinoehl, Helen B., executrix. (See Reinoehl, Charles W.)
- Reinohl, David C., Washington, D. C. Treating ores for separating precious metals. No. 1,081,514; Dec. 16; Gaz. vol. 197; p. 616.
- Reinohl, David C., Washington, D. C. Combined settling-tank and filter. No. 1,081,515; Dec. 16; Gaz. vol. 197; p. 617.
- Reinohl, David C., Washington, D. C. Apparatus for treating ores. No. 1,081,516; Dec. 16; Gaz. vol. 197; p. 617.
- Reis, Gustav, Fürth, Bavaria, Germany. Filler-form for embroidery. No. 1,063,734; June 3; Gaz. vol. 191; p. 196.
- Reis- & Handels-Aktiengesellschaft. (See Schwarting, August C., assignor.)
- Reis, Theodor, Cincinnati, Ohio. Hood for dispensing-tanks. No. 1,080,478; Dec. 2; Gaz. vol. 197; p. 195.
- Reisbach, Gustave B., assignor to The Cutler-Hammer Mfg. Co., Milwaukee, Wis. Electric switch. No. 1,071,087; Aug. 26; Gaz. vol. 193; p. 786.
- Reisert, Michael E., assignor to Hennefer Maschinen-Fabrik C. Reuther & Reisert mit beschränkter Haftung, Hennefer-on-the-Sieg, Germany. Counting device of automatic weighing apparatus for granular irregularly-running material. No. 1,075,379; Oct. 14; Gaz. vol. 195; p. 301.
- Reisinger, Rudolf, Zurich, Switzerland. Sledge. No. 1,070,915; Aug. 19; Gaz. vol. 193; p. 694.
- Reismann, Wilhelm, Vienna, Austria-Hungary. Apparatus for vaporizing medicaments. No. 1,069,980; Aug. 12; Gaz. vol. 193; p. 336.
- Reiss, Carl, Berlin, Germany. Incandescent lamp. No. 1,072,993; Sept. 9; Gaz. vol. 194; p. 488.
- Reissling, John C., Chicago, Ill. Water-heating device. No. 1,074,741; Oct. 7; Gaz. vol. 195; p. 53.
- Reisz, Eugen, assignor to Relais-Gesellschaft m. b. H., Vienna, Austria-Hungary. Relay for undulatory currents. No. 1,059,763; Apr. 22; Gaz. vol. 189; p. 930.
- Reiter, Lues. (See Fulford and Reiter.)
- Reitmeier, Frank, Bowdon, N. D. Detachable blind for bridles. No. 1,067,680; July 15; Gaz. vol. 192; p. 678.
- Reitmeister, Wilhelm, Siegburg, Germany. Gas-controlling means for regenerative furnaces. No. 1,075,159; Oct. 7; Gaz. vol. 195; p. 196.
- Reitz, Jonathan, assignor to H. Alderich, Calgary, Alberta, Canada. Device for preventing the freezing of water in pumps. No. 1,066,150; July 1; Gaz. vol. 192; p. 86.
- Reiver, Bernard, Philadelphia, Pa. Means for loading ships. No. 1,063,832; June 3; Gaz. vol. 191; p. 228.
- Rekers, Gerret, Rochester, assignor to General Railway Signal Company, Gates, N. Y. Electromagnetic retaining device. No. 1,075,441; Oct. 14; Gaz. vol. 195; p. 322.
- Relais-Gesellschaft m. b. H. (See Reisz, Eugen, assignor.)
- Reliable Electric Company. (See Gordon, David D., assignor.)
- Reliance Copyliner Co. (See Marsh, George A., assignor.)
- Relyea, Eva, Poughkeepsie, N. Y. Pot-lid. No. 1,074,978; Oct. 7; Gaz. vol. 195; p. 132.
- Remacle, Edmond, Newark, N. J. Automatic alarm. No. 1,055,227; Mar. 4; Gaz. vol. 188; p. 191.
- Remelius, Charles A., New York, N. Y., assignor to Prepayment Car Sales Company. Passenger-car. No. 1,067,488; July 15; Gaz. vol. 192; p. 613.
- Remelius, Charles A., New York, N. Y., assignor to Prepayment Car Sales Company. Gate or door operating mechanism for passenger-cars. No. 1,067,681; July 15; Gaz. vol. 192; p. 678.
- Rémézy, Edmond A., L'Isle-sur-Sorgue, France. Automobile sledge. No. 1,066,438; July 1; Gaz. vol. 192; p. 184.
- Remhilt, Arthur G., Philadelphia, Pa. Binder and fastener. No. 1,056,452; Mar. 18; Gaz. vol. 188; p. 676.
- Remick, William H., assignor to Signature Company, New York, N. Y. Document-binder for multiple-writing machines. No. 1,082,554; Dec. 30; Gaz. vol. 197; p. 1029.
- Remington, Alfred A., Birmingham, assignor, by mesne assignments, to Vickers, Limited, Westminster, England. Airship and other vessel. No. 1,071,180; Aug. 26; Gaz. vol. 193; p. 818.
- Remington Arms and Ammunition Company. (See Simpson, John O., assignor.)
- Remington Arms and Ammunition Company. (See Tyler, Charles C., assignor.)
- Remington, Joseph P., Philadelphia, Pa. Capsule-filling mechanism. No. 1,073,286; Sept. 16; Gaz. vol. 194; p. 626.
- Remington Typewriter Company. (See Ballou, George F., assignor.)
- Remington Typewriter Company. (See Barney, Edwin E., assignor.)
- Remington Typewriter Company. (See Barr, John H., assignor.)
- Remington Typewriter Company. (See Barron, Walter J., assignor.)
- Remington Typewriter Company. (See Beaudry, Severe J., assignor.)
- Remington Typewriter Company. (See Burnett, William E., assignor.)
- Remington Typewriter Company. (See Farnham, Smith, and Phelps, assignors.)
- Remington Typewriter Company. (See Felbel, Jacob, assignor.)
- Remington Typewriter Company. (See Orbell, Clifford, assignor.)
- Remington Typewriter Company. (See Peery, Roy W., assignor.)
- Remington Typewriter Company. (See Pool, Morris W., assignor.)
- Remington Typewriter Company. (See Roche, William J., assignor.)
- Remington Typewriter Company. (See Schmidt, Wilhelm A., assignor.)
- Remington Typewriter Company. (See Selb, George A., assignor.)
- Remington Typewriter Company. (See Smith, Arthur W., assignor.)
- Remington Typewriter Company. (See Steele, Herbert H., assignor.)
- Remington Typewriter Company. (See Stern, Vasili, assignor.)
- Remington Typewriter Company. (See Waldheim, John, assignor.)
- Remington Typewriter Company. (See Yaw, Clio B., assignor.)
- Remington, William T. (See Fleming, Daisy, assignor.)
- Remm, Henry F. (See Reed, David B., assignor.)
- Rommel, George. (See Strauss and Remmel.)
- Remmele, Louis J., Newark, N. J. Door-stop for railway-cars. No. 1,066,222; July 1; Gaz. vol. 192; p. 114.
- Remmers, Theodore W., *et al.* (See Ekstedt, Ernest D., assignor.)
- Remmers, Theodore W. (See Kirchhoff, William G., assignor.)
- Remy, Benjamin P. (See Remy and Berger.)
- Remy, Benjamin P. and F. I. Anderson, Ind., assignors, by mesne assignments, to Sumter Electrical Company. Magneto-electric generator. No. 1,081,696; Dec. 16; Gaz. vol. 197; p. 673.
- Remy Electric Company, The. (See Pyle, Robert H., assignor.)
- Remy Electric Company. (See Reuter and McDermott, assignors.)
- Remy, Frank I. (See Remy, Benjamin P. and F. I.)

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- Remy, Herman. (See Biddinger, Peter A., assignor.)
- Renault, Louis, Billancourt, France. Valve-gear for explosion-motors. No. 1,054,714; Mar. 4; Gaz. vol. 188; p. 20.
- Renault, Louis, Billancourt, France. Means for lubricating internal-combustion engines. No. 1,055,558; Mar. 11; Gaz. vol. 188; p. 339.
- Rendall, George F., assignor to R. W. Priest, trustee, New York, N. Y. Furnace for reduction of ores. No. 1,053,435; Feb. 18; Gaz. vol. 187; p. 622.
- Rendall, George F., assignor to R. W. Priest, trustee, New York, N. Y. Reduction of ores. No. 1,053,436; Feb. 18; Gaz. vol. 187; p. 622.
- Rendchen, Theodor M., Altona-Ottensen, Germany, assignor, by mesne assignments, to Locomotive Superheater Company, Wilmington, Del. Steam-superheater for boilers. No. 1,066,223; July 1; Gaz. vol. 192; p. 114.
- Rendle, Arthur E., and J. T. Nesdall, New York, N. Y.; said Nesdall assignor to said Rendle and New York Bridge & Iron Company. Stair. No. 1,063,216; June 3; Gaz. vol. 191; p. 16.
- Reneaud, Joseph. (See Clement, Joseph, assignor.)
- Renfro, Daniel B., Medera, Cal. Screen-leveling device for threshers. No. 1,058,016; Apr. 1; Gaz. vol. 189; p. 212.
- Renfrow, William C. (See Wilcox, Frank G., assignor.)
- Renholtsen, Ralph, New York, N. Y. Machinist's clamp. No. 1,057,499; Apr. 1; Gaz. vol. 189; p. 35.
- Renken, Anton F., Kramer, Nebr. Gopher-trap. No. 1,065,838; June 24; Gaz. vol. 191; p. 1010.
- Renkle, George W., *et al.* (See Boivin, Joseph, assignor.)
- Renneburg, Frederick P., Baltimore, Md. Screw-press. No. 1,076,995; Oct. 28; Gaz. vol. 195; p. 943.
- Renner, Charles W., Altoona, Pa. Car-roof construction. No. 1,079,800; Nov. 25; Gaz. vol. 196; p. 978.
- Rennerfelt, Gustaf, New York, N. Y., assignor to Planet Engineering Company. Thrust-bearing. No. 1,053,437; Feb. 18; Gaz. vol. 187; p. 623.
- Rennerfelt, Ivar, Halmstad, Sweden. Electric furnace. No. 1,076,518; Oct. 21; Gaz. vol. 195; p. 720.
- Rennert, Edward. (See Timmins, Guy E., assignor.)
- Renney, Lyleton E., and W. J. Pedler, San Francisco, Cal. Loading and dumping device. No. 1,081,697; Dec. 16; Gaz. vol. 197; p. 674.
- Rennie, James, Andover, Mass. Jack-spool stand. No. 1,069,183; Aug. 5; Gaz. vol. 193; p. 33.
- Rennie, Robert. (See Stafford and Rennie.)
- Rennie, Robert, Scotia, N. Y., and H. R. Stafford, Plainfield, N. J. Drifting-valve for locomotives. No. 1,079,514; Nov. 25; Gaz. vol. 196; p. 875.
- Renninger, Paul J., Reading, Pa. Bookbinding. No. 1,061,779; May 13; Gaz. vol. 190; p. 452.
- Renshaw, Clarence, Edgewood Park, Pa., assignor to Westinghouse Electric and Manufacturing Company. System of electric-motor control. No. 1,069,472; Aug. 5; Gaz. vol. 193; p. 135.
- Renwick, Charles W., Isabella, Tenn., and N. L. Heinz, La Salle, Ill. Roasting-furnace. No. 1,080,586; Dec. 9; Gaz. vol. 197; p. 264.
- Renwick, Victor D., Jr., Merchantville, N. J. Foot-operated valve. No. 1,071,261; Aug. 26; Gaz. vol. 193; p. 844.
- Replogle, Charles N., Westmont, Pa. Bending-machine. No. 1,068,078; July 22; Gaz. vol. 192; p. 845.
- Repp, Matyas, Newark, N. J. Well-drilling apparatus. No. 1,052,847; Feb. 11; Gaz. vol. 187; p. 375.
- Repper, Frederick D., Jersey City, N. J., and C. L. Jacobs, Brooklyn, N. Y.; Combined stopper and brush. No. 1,053,875; Feb. 18; Gaz. vol. 187; p. 770.
- Republic Bank Note Company. (See David, Reese C., assignor.)
- Republic Rubber Company, The. (See Morris, William D., assignor.)
- Regua, Ralph W., Chico, Cal. Fish-screen. No. 1,065,724; June 24; Gaz. vol. 191; p. 972.
- Resch, Henry. (See Degener and Resch.)
- Resch, Henry J., Columbus, Ohio. Dust-pan. No. 1,053,438; Feb. 18; Gaz. vol. 187; p. 623.
- Resch, Joseph S., La Crosse, Wis., assignor to The Yale & Towne Manufacturing Company, Stamford, Conn. Pin-tumbler lock. No. 1,050,692; Jan. 14; Gaz. vol. 186; p. 500.
- Resch, Louis. (See Danglo and Resch.)
- Rese, John H., Pittsburgh, Pa. Bottle-capping machine. No. 1,065,395; June 24; Gaz. vol. 191; p. 860.
- Rese, John H., Washington, D. C. Bottle-capping machine. No. 1,071,262; Aug. 26; Gaz. vol. 193; p. 845.
- Rese, John H., Washington, D. C. Sticky fly-paper. No. 1,071,578; Aug. 26; Gaz. vol. 193; p. 949.
- Ressegaire, Emile. (See Manivet and Ressegaire.)
- Ressler, Daniel M., and F. Butler, Mount Vernon, Ohio. Capping-tool. No. 1,077,301; Nov. 4; Gaz. vol. 196; p. 20.
- Reston, Henry P., assignor to The Cincinnati Planer Company, Oakley, Ohio. Pulley. No. 1,076,605; Oct. 21; Gaz. vol. 195; p. 752.
- Rettstadt, Auguste, Philadelphia, Pa. Attachment for window-screens. No. 1,060,362; Apr. 29; Gaz. vol. 189; p. 1177.
- Reubel, Henry, New York, N. Y. Curtain-fixture. No. 1,080,479; Dec. 2; Gaz. vol. 197; p. 196.
- Reubold, Wilhelm, Charlottenburg, assignor to Berlin-Anhaltische Maschinenbau-Aktien-Gesellschaft, Berlin, Germany. Apparatus for quenching coke. No. 1,065,081; June 17; Gaz. vol. 191; p. 718.
- Reuss, Arthur E., Cincinnati, and O. Schnitzler, Remington, Ohio. Speed indicating or controlling mechanism. No. 1,058,262; Apr. 8; Gaz. vol. 189; p. 342.
- Reuss, Arthur E., Cincinnati, and O. Schnitzler, Remington, Ohio. Speed-changing mechanism. No. 1,058,263; Apr. 8; Gaz. vol. 189; p. 342.
- Reuss, Arthur E., Cincinnati, and O. Schnitzler, Remington, Ohio. Controlling mechanism. No. 1,058,264; Apr. 8; Gaz. vol. 189; p. 343.
- Reuss, Arthur E., Cincinnati, and O. Schnitzler, Remington, Ohio. Speed-changing mechanism. No. 1,058,265; Apr. 8; Gaz. vol. 189; p. 343.
- Reuss, Arthur E., Cincinnati, and O. Schnitzler, Remington, Ohio. Speed-changing mechanism. No. 1,060,707; May 6; Gaz. vol. 190; p. 50.
- Reuss, John F., Kankakee county, Ill. Guard for cultivators. No. 1,057,275; Mar. 25; Gaz. vol. 188; p. 989.
- Reuter, Balthasar E., Chicago, Ill. Decomposition of fats and oils. No. 1,068,079; July 22; Gaz. vol. 192; p. 846.
- Reuter, Baptist. (See Ehrlich and Reuter.)
- Reuter, Baptist. (See Korndörfer and Reuter.)
- Reuter, Irving J., and F. P. McDermott, Jr., assignors to Remy Electric Company, Anderson, Ind. System of distributing electric energy. No. 1,064,541; June 10; Gaz. vol. 191; p. 505.
- Reuter, Theodor, Winterthur, Switzerland. System for operating combustion-engines. No. 1,063,386; June 3; Gaz. vol. 191; p. 73.
- Reuter, Theodor, Winterthur, Switzerland, assignor to Busch-Sulzer-Bros.-Diesel Engine Company, St. Louis, Mo. Cooling of pistons. No. 1,051,008; Jan. 21; Gaz. vol. 186; p. 647.
- Reuter, Theodor, Winterthur, Switzerland, assignor to Busch-Sulzer Bros.-Diesel Engine Company, St. Louis, Mo. Internal-combustion engine. No. 1,070,985; Aug. 19; Gaz. vol. 193; p. 716.
- Reuther, John, East Aurora, N. Y. Potato-digger. No. 1,057,172; Mar. 25; Gaz. vol. 188; p. 955.
- Reuther, John, East Aurora, N. Y. Potato-separator. No. 1,061,568; May 13; Gaz. vol. 190; p. 383.
- Reutimann, Jacob, *et al.* (See Wells and Lewis, assignors.)
- Reutter, Frederick, assignor to Scovill Manufacturing Company, Waterbury, Conn. Incandescent-lamp socket. No. 1,065,967; July 1; Gaz. vol. 192; p. 23.
- Revel, Antoine A., Lyon, France. Means for retaining the ends of the ribs of umbrellas and the like in closed position. No. 1,073,631; Sept. 23; Gaz. vol. 194; p. 766.
- Revelli, Bethel A., Rome, Italy. Automatic gun. No. 1,073,709; Sept. 23; Gaz. vol. 194; p. 798.
- Revere Rubber Company. (See Cobb, Henry Z., assignor.) (Reissue.)
- Reversible Gas-Engine Company. (See Robinson, Edward P., assignor.)
- Revett, Frank, and W. Simmers, New York, N. Y. Clip for steering-wheels of automobiles. No. 1,052,752; Feb. 11; Gaz. vol. 187; p. 340.
- Rewi, Andrew, Baltimore, Md. Hat-pin protector. No. 1,060,126; Apr. 29; Gaz. vol. 189; p. 1092.
- Rexroad, Charlie, Buckhannon, W. Va. Rail-joint chair. No. 1,054,941; Mar. 4; Gaz. vol. 188; p. 97.
- Rexroth, Louis G. (See Unversaw and Rexroth.)
- Rey, Albert, Oklahoma, Okla. Registering attachment for firearms. No. 1,056,582; Mar. 18; Gaz. vol. 188; p. 722.
- Rey, Jean A., Paris, France. Turbo-compressor-governing mechanism. No. 1,058,676; Apr. 8; Gaz. vol. 189; p. 484.
- Rey, Jean A., Paris, France. Catoptric lantern. No. 1,066,419; July 1; Gaz. vol. 192; p. 178.
- Reyam, David, and E. E. Du Pont, Wilmington, assignors to The American Perfecite Company, Henry Clay, Del. Tile. No. 1,070,375; Aug. 12; Gaz. vol. 193; p. 473.
- Reymond, John A. T., Ottawa, Ontario, Canada. Button-fastener. No. 1,060,944; May 6; Gaz. vol. 190; p. 132.
- Reynolds, John V. (See Sears, Willard T., assignor.)
- Reynolds, Aldo E. (See Gudeman, Reynolds, and Welker.)
- Reynolds, Alva L., Longbeach, Cal. Hydraulic-power system. No. 1,074,292; Sept. 30; Gaz. vol. 194; p. 1020.
- Reynolds, Bert M., assignor of one-half to S. Reynolds, North Platte, Nebr. Metal picture-molding. No. 1,060,708; May 6; Gaz. vol. 190; p. 51.
- Reynolds, Charles H. (See Lutwyche, Edgar J., assignor.) (Reissue.)
- Reynolds, Chauncey W., Colorado City, Colo. Fly-trap. No. 1,078,465; Nov. 11; Gaz. vol. 196; p. 453.
- Reynolds, Clark. (See Butler, Reynolds, and Seaman.)
- Reynolds, Earl H., Chicago, Ill. Grain-purifying apparatus and process. No. 1,067,342; July 15; Gaz. vol. 192; p. 563.

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- Reynolds, Frank C., Sterling, Colo. Grain-car door. No. 1,051,762; Jan. 28; Gaz. vol. 186; p. 932.
- Reynolds, George, *et al.* (See Hollingsworth, John B., assignor.)
- Reynolds, Henry L. (See Smith, Clark, assignor.)
- Reynolds, James M. (See Moon and Reynolds.)
- Reynolds, John N. (See Craft and Reynolds.)
- Reynolds, John N., Greenwich, Conn., assignor to Western Electric Company, New York, N. Y. Telephone-exchange system. No. 1,058,903; Apr. 15; Gaz. vol. 189; p. 602.
- Reynolds, John N., Greenwich, Conn., and A. F. Dixon, Newark, N. J., assignors to Western Electric Company, New York, N. Y. Automatic electromagnetic switch. No. 1,076,149; Oct. 21; Gaz. vol. 195; p. 591.
- Reynolds, John P., *et al.* (See Woodbridge, Howard C., assignor.)
- Reynolds, John R., assignor to The Smyth Manufacturing Company, Hartford, Conn. Needle. No. 1,078,955; Nov. 18; Gaz. vol. 196; p. 652.
- Reynolds, Martin C., assignor of one-half to R. G. Spencer, Carey, Ohio. Softening and filtering apparatus. No. 1,080,233; Dec. 2; Gaz. vol. 197; p. 110.
- Reynolds, Morley P., assignor to The W. S. Tyler Company, Cleveland, Ohio. Forming woven-wire fabrics. No. 1,078,380; Nov. 11; Gaz. vol. 196; p. 425.
- Reynolds, Morley P., assignor to W. S. Tyler Company, Cleveland, Ohio. Collector. No. 1,082,766; Dec. 30; Gaz. vol. 197; p. 1105.
- Reynolds Motor Company. (See Taylor and Coffin, assignors.)
- Reynolds, Richard W., Kittanning, Pa. Door-mat. No. 1,077,302; Nov. 4; Gaz. vol. 196; p. 21.
- Reynolds, Robert A., Detroit, Mich. Bolter. No. 1,056,215; Mar. 18; Gaz. vol. 188; p. 596.
- Reynolds, Robert A., Port Huron, Mich. Self-adjusting grinding-disk. No. 1,072,033; Sept. 2; Gaz. vol. 194; p. 125.
- Reynolds, Samuel W., West Toledo, Ohio. Lock-spring safety-snap. No. 1,076,318; Oct. 21; Gaz. vol. 195; p. 650.
- Reynolds, Scott. (See Reynolds, Bert M., assignor.)
- Reynolds, Vestal, Marion, Ind. Retainer for overshoes and rubbers. No. 1,078,109; Nov. 11; Gaz. vol. 196; p. 330.
- Reynolds, Walter J., Providence, R. I. Frying-pan. No. 1,068,274; July 22; Gaz. vol. 192; p. 913.
- Reynolds, William L., Rocky Ford, Colo. Wrench. No. 1,060,494; Apr. 29; Gaz. vol. 189; p. 1222.
- Reznicek, Anton, Jersey City, N. J. Key-carrier. No. 1,081,627; Dec. 16; Gaz. vol. 197; p. 651.
- Reznor, Jesse T., assignor to Reznor Manufacturing Company, Mercer, Pa. Gas-heater. No. 1,063,217; June 3; Gaz. vol. 191; p. 17.
- Reznor Manufacturing Company. (See Reznor, Jesse T., assignor.)
- Rheinische Metallwaaren- und Maschinenfabrik. (See Dietzel, Georg E., assignor.)
- Rheinische Metallwaaren- und Maschinenfabrik. (See Knaebel, Benedikt, assignor.)
- Rheinische Metallwaaren- und Maschinenfabrik. (See Müller, Emil, assignor.)
- Rheinische Metallwaaren- und Maschinenfabrik. (See Völler, Karl, assignor.)
- Rheinische Metallwaaren- und Maschinenfabrik. (See Völler and Müller, assignors.)
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- Rhett, James M., Beaufort, S. C. Timer and switch arrangement for internal-combustion engines. No. 1,054,240; Feb. 25; Gaz. vol. 187; p. 933.
- Rhine, Charles A. (See Watson, Rhine, and Keeney.)
- Rhine, Charles A., and C. H. Keeney, Milwaukee, Wis. Resistance-inclosure. No. 1,067,880; July 22; Gaz. vol. 192; p. 779.
- Rhinehart, Clark D., Jr., and L. P. Saponoff, New York; said Saponoff assignor to T. McGonigal, Brooklyn, N. Y. Device for locking desk-telephones. No. 1,070,291; Aug. 12; Gaz. vol. 193; p. 443.
- Rhineland Refrigerator Co. (See Riek, Rudolph A., assignor.)
- Rhinevault, Glenn G., assignor to Wm. B. Merston & Co., Saginaw, Mich. Broken roll. No. 1,059,486; Apr. 22; Gaz. vol. 189; p. 840.
- Rhoades, Alonzo E., assignor to Draper Company, Hopedale, Mass. Filling-feeder for filling-replenishing looms. No. 1,059,638; Apr. 22; Gaz. vol. 189; p. 888.
- Rhoades, Alonzo E., assignor to Draper Company, Hopedale, Mass. Yarn-spinning apparatus. No. 1,070,180; Aug. 12; Gaz. vol. 193; p. 405.
- Rhoades, Alonzo E., assignor to Draper Company, Hopedale, Mass. Traverse-motion for yarn-spinning apparatus. No. 1,076,910; Oct. 28; Gaz. vol. 195; p. 912.
- Rhoades, Alonzo E., assignor to Draper Company, Hopedale, Mass. Warp stop-motion for looms. No. 1,082,045; Dec. 23; Gaz. vol. 197; p. 822.
- Rhoades, Lewis T., Mont Clare, Pa. Spark-producing mechanism for internal-combustion engines. No. 1,057,009; Mar. 25; Gaz. vol. 188; p. 898.
- Rhoads, Charles S., Jr., Sandwich, Ill., assignor, by mesne assignments, to The General Railway Equipment Company. Selective signaling system. No. 1,060,212; Apr. 29; Gaz. vol. 189; p. 1122.
- Rhoads, Foster C., and H. A. Lels, Dayton, Ohio. Means for retaining the wrist-pins of pistons. No. 1,054,942; Mar. 4; Gaz. vol. 188; p. 97.
- Rhoads, John M. (See Keltz, Eugene L., assignor.)
- Rhodes, Edgar, Scholes, Leeds, England, assignor to Continuous Rail Company, Wilmington, Del. Bending-machine. No. 1,062,033; May 20; Gaz. vol. 190; p. 577.
- Rhodes, Edgar, Scholes, Leeds, England, assignor to Continuous Rail Company, Wilmington, Del. Compound-rail track construction. No. 1,062,186; May 20; Gaz. vol. 190; p. 629.
- Rhodes, Elbert C., Chicago, Ill. Tire. No. 1,057,580; Apr. 1; Gaz. vol. 189; p. 62.
- Rhodes, Elton J. (See Davis and Rhodes.)
- Rhodes, Frederick. (See Rhodes, Thomas H. and F.)
- Rhodes, Harry A., assignor to The Universal Motor Company, Denver, Colo. Electric motor. No. 1,068,531; July 29; Gaz. vol. 192; p. 1039.
- Rhodes, Harry A., assignor to The Universal Motor Company, Denver, Colo. Electromagnetic motor. No. 1,069,291; Aug. 5; Gaz. vol. 193; p. 71.
- Rhodes, Levi, Spokane, Wash. Speed-governor. No. 1,081,865; Dec. 16; Gaz. vol. 197; p. 732.
- Rhodes, Samuel G., and A. B. Rypinski, assignors to T. E. Murray, New York, N. Y. Electric time-switch. No. 1,060,630; May 6; Gaz. vol. 190; p. 23.
- Rhodes, Thomas H. and F., Philadelphia, Pa. Damper-regulator for furnaces. No. 1,055,655; Mar. 11; Gaz. vol. 188; p. 371.
- Rhodin, Carl J., San Francisco, Cal. Gas-heater. No. 1,082,238; Dec. 23; Gaz. vol. 197; p. 887.
- Rhodus, Thomas. (See Phillips and Rhodus.)
- Rhodus, Thomas, Chicago, Ill. Rheostat. No. 1,053,219; Feb. 18; Gaz. vol. 187; p. 546.
- Riberkof, William, Baltimore, Md. Display-holder. No. 1,060,495; Apr. 29; Gaz. vol. 189; p. 1222.
- Ribeyron, Jean, Sosnowice, Russia. Rock-crushing machinery. No. 1,053,220; Feb. 18; Gaz. vol. 187; p. 546.
- Riblet, Oliver S., Erie, Pa. Conveyor. No. 1,050,171; Jan. 14; Gaz. vol. 186; p. 323.
- Ribot, Roger, assignor to Société La Peausserie Française, Paris, France. Treatment of skins. No. 1,057,173; Mar. 25; Gaz. vol. 188; p. 955.
- Ricard, Joseph A., Boston, Mass. Transmission mechanism. No. 1,069,473; Aug. 5; Gaz. vol. 193; p. 136.
- Rice, Albert H., Des Moines, Iowa. Silo-door. No. 1,068,701; July 29; Gaz. vol. 192; p. 1098.
- Rice, Edwin W., Jr., Schenectady, N. Y., assignor to General Electric Company. Insulating material. No. 1,049,918; Jan. 7; Gaz. vol. 186; p. 203.
- Rice, Frank L., assignor to James B. Clow & Sons, Chicago, Ill. Heating system. No. 1,057,454; Apr. 1; Gaz. vol. 189; p. 20.
- Rice, George S., Pittsburgh, Pa. Hoisting-cage. No. 1,063,285; June 3; Gaz. vol. 191; p. 40.
- Rice, John, Fort Payne, Ala. Gin-saw sharpener. No. 1,076,996; Oct. 28; Gaz. vol. 195; p. 943.
- Rice, Joseph. (See Forslund and Rice.)
- Rice, Lewis D., assignor to Simplex Spreader Manufacturing Company, Kansas City, Mo. Straw-spreader. No. 1,082,820; Dec. 30; Gaz. vol. 197; p. 1123.
- Rice, Meritt H., New Rochelle, assignor to National Electric Utilities Corporation, New York, N. Y. Electric soldering-iron. No. 1,079,066; Nov. 18; Gaz. vol. 196; p. 694.
- Rice, Richard H., Lynn, Mass. Vehicle. No. 1,071,348; Aug. 26; Gaz. vol. 193; p. 874.
- Rice, Richard H., Lynn, Mass., assignor to General Electric Company. Preventing erosion in steam-turbines. No. 1,060,945; May 6; Gaz. vol. 190; p. 132.
- Rice, Richard H., Lynn, Mass., assignor to General Electric Company. Turbine. No. 1,061,688; May 13; Gaz. vol. 190; p. 424.
- Rice, Richard H., Lynn, Mass., assignor to General Electric Company. Governing mechanism for centrifugal air-compressors. No. 1,061,689; May 13; Gaz. vol. 190; p. 424.
- Rice, Richard H., Lynn, Mass., assignor to General Electric Company. Valve for turbines. No. 1,061,690; May 13; Gaz. vol. 190; p. 425.
- Rice, Richard H., Lynn, Mass., assignor to General Electric Company. Semi-automatic blast-gate for centrifugal compressors. No. 1,063,596; June 3; Gaz. vol. 191; p. 146.
- Rice, Richard H., Lynn, Mass., assignor to General Electric Company. Governor for centrifugal air-compressors. No. 1,080,717; Dec. 9; Gaz. vol. 197; p. 307.
- Rice, Rienzi, Worcester, Mass. Liquid-level-controlling apparatus. No. 1,066,151; July 1; Gaz. vol. 192; p. 87.
- Rice, Robert H. (See Harter and Smith, assignors.)
- Rice, Samuel J., Loma, N. D. Bag filling and tying apparatus. No. 1,072,775; Sept. 9; Gaz. vol. 194; p. 407.
- Rice, Samuel J., Loma, N. D. Harvesting-machine. No. 1,073,819; Sept. 23; Gaz. vol. 194; p. 832.
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- Rice, Walter F., Quincy, Mass., assignor to General Electric Company. Mounting turbine buckets. No. 1,064,170; June 10; Gaz. vol. 191; p. 377.
- Rice, William H., Rochester, N. Y. Agricultural implement. No. 1,053,221; Feb. 18; Gaz. vol. 187; p. 546.
- Rice, William H., Rochester, N. Y. Potato-digger. No. 1,076,150; Oct. 21; Gaz. vol. 195; p. 592.
- Rice, William H., Rochester, N. Y. Agricultural implement. No. 1,081,915; Dec. 16; Gaz. vol. 197; p. 747.
- Rice, William J., Corpus Christi, Tex. Scale-alarm. No. 1,058,467; Apr. 8; Gaz. vol. 189; p. 413.
- Rice, William P., Regina, Ky. Miner's lamp. No. 1,062,504; May 20; Gaz. vol. 190; p. 735.
- Rice, William S., Adams, N. Y. Ball-cock. No. 1,067,273; July 15; Gaz. vol. 192; p. 539.
- Rice, Zachariah E., Landisburg, Pa. Door-knob fastener. No. 1,049,398; Jan. 7; Gaz. vol. 186; p. 28.
- Rich, Charles H., Woolrich, Pa. Sanitary attachment for lip-contacts of drinking vessels. No. 1,076,702; Oct. 28; Gaz. vol. 195; p. 839.
- Rich, Charles J., Norwood, Mass. Book-cover-cleaning machine. No. 1,062,505; May 20; Gaz. vol. 190; p. 735.
- Rich, Frank K., and M. G. Marsh, East Eddington, Me. Toy. No. 1,060,631; May 6; Gaz. vol. 190; p. 23.
- Rich, George F., assignor of one-half to W. Leviston, Kansas City, Mo. Safety-razor. No. 1,059,487; Apr. 22; Gaz. vol. 189; p. 840.
- Rich, George R., Oak Park, Ill. Internal-combustion engine. No. 1,076,911; Oct. 28; Gaz. vol. 195; p. 913.
- Rich, George R., Oak Park, assignor to Rich Tool Company, Chicago, Ill. Puppet-valve. No. 1,051,845; Jan. 28; Gaz. vol. 186; p. 961.
- Rich, George R., Oak Park, assignor to Rich Tool Company, Chicago, Ill. Piston-ring for internal-combustion engines. No. 1,082,172; Dec. 23; Gaz. vol. 197; p. 863.
- Rich, George R., assignor to Rich Tool Co., Chicago, Ill. Chuck. No. 1,065,274; June 17; Gaz. vol. 191; p. 780.
- Rich, Harry F., Chicago, Ill. Casement-adjuster. No. 1,057,774; Apr. 1; Gaz. vol. 189; p. 129.
- Rich Tool Company. (See Rich, George R., assignor.)
- Richard, Bernhard, assignor to Aniline Color & Extract Works, formerly John R. Geigy, Basel, Switzerland. Azo dye. No. 1,067,881; July 22; Gaz. vol. 192; p. 779.
- Richard, Edward, Chicago, Ill. Proof-press. No. 1,049,919; Jan. 7; Gaz. vol. 186; p. 203.
- Richard, Joseph O., Hammond, Ind. Smoke-consumer. No. 1,083,138; Dec. 30; Gaz. vol. 197; p. 1228.
- Richard, Jules. (See Colardeau and Richard.)
- Richard, Louis N. (See Charron and Richard.)
- Richard Pick Manufacturing Company. (See Daum, Louis, assignor.)
- Richard, Thomas, Montreal, Quebec, assignor of one-half to A. Boileau, St. Raphael, Ile Bizard, Quebec, Canada. Saw-feeding mechanism. No. 1,079,145; Nov. 18; Gaz. vol. 196; p. 721.
- Richards, Alfred, Joplin, Mo. Closure for jars. No. 1,067,758; July 15; Gaz. vol. 192; p. 703.
- Richards, Atkinson & Haserick. (See Townend, William, assignor.)
- Richards, Charles A., Bellows Falls, Vt. Locking device for carcass-hangers. No. 1,072,871; Sept. 9; Gaz. vol. 194; p. 442.
- Richards, Charles B., assignor, by mesne assignments, to The Cleveland Rock Drill Company, Cleveland, Ohio. Water attachment for drilling-machines. No. 1,059,563; Apr. 22; Gaz. vol. 189; p. 865.
- Richards, Charles B., and W. H. Jenkins, assignors, by mesne assignments, to The Cleveland Rock Drill Company, Cleveland, Ohio. Drilling-machine. No. 1,063,598; June 3; Gaz. vol. 191; p. 147.
- Richards, Charles N., Casper, Wyo. Harrow. No. 1,052,275; Feb. 4; Gaz. vol. 187; p. 149.
- Richards, Ernest J., Vulcan, Mich. Wire clothes-pin. No. 1,066,949; July 8; Gaz. vol. 192; p. 393.
- Richards, Ernst R., assignor to Sears, Roebuck and Co., Chicago, Ill. Counting attachment for printing-presses. No. 1,064,772; June 17; Gaz. vol. 191; p. 618.
- Richards, Francis H., Hartford, Conn., assignor to J. P. Morris, New York, N. Y. Ozonizer. No. 1,074,462; Sept. 30; Gaz. vol. 194; p. 1077.
- Richards, Frank R., Lebanon, Kans. Wire-stretcher. No. 1,055,354; Mar. 11; Gaz. vol. 188; p. 272.
- Richards, Frank R. G., Coventry, England. Treatment of iron or steel for preventing oxidation or rusting. No. 1,069,903; Aug. 12; Gaz. vol. 193; p. 311.
- Richards, George C., Berkeley, Cal. Pump. No. 1,051,260; Jan. 21; Gaz. vol. 186; p. 731.
- Richards, George L., Kingsway, assignor to Parisiana Limited, London, England. Machine for vending and advertising. No. 1,058,101; Apr. 8; Gaz. vol. 189; p. 286.
- Richards, George M., Erie, Pa. Load-controlling device. No. 1,062,665; May 27; Gaz. vol. 190; p. 830.
- Richards, George M., assignor to M. A. Richards, Erie, Pa. Pressure-governor. No. 1,082,821; Dec. 30; Gaz. vol. 197; p. 1123.
- Richards, Harry S. (See White and Richards.)
- Richards, Hezekiah, Toledo, Iowa. Shingling-bracket. No. 1,074,382; Sept. 30; Gaz. vol. 194; p. 1050.
- Richards, Hubert P. (See Burdick and Richards.)
- Richards, Hubert P., New Britain, Conn., assignor to J. E. Tracy, Plainfield, N. J. Feed mechanism for sewing-machines. No. 1,054,715; Mar. 4; Gaz. vol. 188; p. 20.
- Richards, Jerre T., Chicago, Ill. Automatic coating-bucket. No. 1,062,359; May 20; Gaz. vol. 190; p. 687.
- Richards, John A., Albion, Mich. Apparatus for bending and cutting steel rules and other metal bars. No. 1,058,003; Apr. 1; Gaz. vol. 189; p. 208.
- Richards, John C. B. (See Wilkins and Richards.)
- Richards, Joseph W., South Bethlehem, and W. S. Landis, Bethlehem, Pa. Production of Portland cement. No. 1,073,820; Sept. 23; Gaz. vol. 194; p. 833.
- Richards, Marion A. (See Richards, George M., assignor.)
- Richards, Paul E., Placerville, Cal. Switch. No. 1,070,533; Aug. 19; Gaz. vol. 193; p. 569.
- Richards, Robert H. (See Wiggin and Wheeler, assignors.)
- Richards, Robert H., and E. P. Hueber, assignors to American Saw Mill Machinery Company, Hackettstown, N. J. Shingle-sawing machine. No. 1,059,945; Mar. 11; Gaz. vol. 188; p. 469.
- Richards, Sara L., New York, N. Y. Safety equipment for elevator-shafts. No. 1,071,579; Aug. 26; Gaz. vol. 193; p. 949.
- Richards, Sierra L., assignor, by mesne assignments, to C. H. Pease, Baltimore, Md. Combined broiler and oven. No. 1,077,556; Nov. 4; Gaz. vol. 196; p. 110.
- Richards, Thomas P., Castle Shannon, Pa. Rail-joint. No. 1,062,034; May 20; Gaz. vol. 190; p. 578.
- Richards, Walter E. W., assignor to The Bourne Rubber Company, Limited, London, England. Treating worn or waste rubber or the like for the utilization thereof. No. 1,053,439; Feb. 18; Gaz. vol. 187; p. 623.
- Richards-Wilcox Manufacturing Company. (See Fitch, William H., assignor.)
- Richards-Wilcox Manufacturing Company. (See Hunt, George G., assignor.)
- Richards, Willard F., Depew, assignor to Gould Coupler Company, New York, N. Y. Railway-car bolster. No. 1,055,656; Mar. 11; Gaz. vol. 188; p. 371.
- Richards, Willard F., Depew, assignor to Gould Coupler Company, New York, N. Y. Draft-gear for railway-cars. No. 1,076,912; Oct. 28; Gaz. vol. 195; p. 913.
- Richards, Willard F., Depew, assignor to Gould Coupler Company, New York, N. Y. Railway-car truck. No. 1,081,405; Dec. 16; Gaz. vol. 197; p. 579.
- Richards, Willard F., Depew, assignor to Gould Coupler Company, New York, N. Y. Railway-car truck. No. 1,081,406; Dec. 16; Gaz. vol. 197; p. 579.
- Richards, Willard F., Depew, assignor to Gould Coupler Company, New York, N. Y. Car-coupling. No. 1,082,822; Dec. 30; Gaz. vol. 197; p. 1124.
- Richards, Willard F., Lancaster, assignor to Gould Coupler Company, New York, N. Y. Car-coupling. No. 1,066,845; July 8; Gaz. vol. 192; p. 356.
- Richards, Willard F., Buffalo, N. Y., assignor to Gould Coupler Company. Car-bolster. No. 1,071,088; Aug. 26; Gaz. vol. 193; p. 787.
- Richardson, Allen S., Jenkintown, Pa. Vehicle-tire. No. 1,081,698; Dec. 16; Gaz. vol. 197; p. 674.
- Richardson, Austin E., West Palm Beach Fla. Irrigator and sprinkler. No. 1,077,431; Nov. 4; Gaz. vol. 196; p. 67.
- Richardson, Benjamin R., Deatsville, Ala. Device for exterminating boll-weevils. No. 1,050,847; Jan. 21; Gaz. vol. 186; p. 589.
- Richardson, Charles F., Woonsocket, R. I., and G. A. Morgan, Goffstown, N. H., assignors to Boston Automatic Machine Company, Boston, Mass. Clutch. No. 1,062,852; May 27; Gaz. vol. 190; p. 891.
- Richardson, Charles H., and F. F. Metzger, Philadelphia, Pa. Bracket. No. 1,054,241; Feb. 25; Gaz. vol. 187; p. 933.
- Richardson, Charles H., and F. F. Metzger, Philadelphia, Pa. Folding bracket. No. 1,054,242; Feb. 25; Gaz. vol. 187; p. 933.
- Richardson, Conley W., Rugby, Va. Internal-combustion-engine governor. No. 1,068,008; July 22; Gaz. vol. 192; p. 821.
- Richardson, Dwight S., New York, N. Y. Hot-air furnace. No. 1,072,499; Sept. 9; Gaz. vol. 194; p. 311.
- Richardson, Dwight S., New York, N. Y. Pressure-governed regulator. No. 1,075,380; Oct. 14; Gaz. vol. 195; p. 301.
- Richardson, Ernest, Beaver Falls, Pa. Refrigerator-compartment. No. 1,056,583; Mar. 18; Gaz. vol. 188; p. 722.
- Richardson, Henry, Passaic, N. J. Electric scale. No. 1,066,656; July 8; Gaz. vol. 192; p. 292.
- Richardson, Henry, New York, N. Y. Automatic traveling-load scale. No. 1,072,500; Sept. 9; Gaz. vol. 194; p. 311.

Alphabetical list of patentees—Continued.

- Richardson, Isaac T., assignor of one-half to A. W. Ruff, Toronto, Ontario, Canada. Clothes-rack. No. 1,076,392; Oct. 21; Gaz. vol. 195; p. 676.
- Richardson, James P., Manila, Philippine Islands, assignor to A. P. O'Brien, New York, N. Y. Defibrating-machine. No. 1,076,151; Oct. 21; Gaz. vol. 195; p. 592.
- Richardson, Jerome L., Red Oak, Iowa. Acetylene-gas generator. No. 1,070,355; Aug. 12; Gaz. vol. 193; p. 464.
- Richardson, John F., Edith, Tex. Folding table. No. 1,064,254; June 10; Gaz. vol. 191; p. 406.
- Richardson, Lillie M., Farmville, Va. Fruit-picker. No. 1,063,833; June 3; Gaz. vol. 191; p. 228.
- Richardson Manufacturing Company. (See Brown, Theophilus, assignor.)
- Richardson-Phenix Company, The. (See Richardson and Keith, assignors.)
- Richardson, Roy, Piketon, Ohio. Wire stretching and reeling machine. No. 1,054,313; Feb. 25; Gaz. vol. 187; p. 955.
- Richardson, Thomas. (See Davy and Richardson.)
- Richardson, Thomas, assignor of one-half to A. E. Ford, New Orleans, La. Lubricator for hand saws. No. 1,055,080; Mar. 4; Gaz. vol. 188; p. 146.
- Richardson, Thurston W., Bedford City, Va. Tucker attachment for sewing-machines. No. 1,082,360; Dec. 23; Gaz. vol. 197; p. 932.
- Richardson, Wellington G., Cambridge, Mass. Life-preserver. No. 1,050,693; Jan. 14; Gaz. vol. 186; p. 501.
- Richardson, Wilber E., and R. R. Keith, Milwaukee, Wis., assignors to The Richardson-Phenix Company. Force-feed lubricating apparatus. No. 1,051,449; Jan. 28; Gaz. vol. 186; p. 829.
- Richardson, Willard C., Saugus, Mass. Expanding shoe-form. No. 1,060,859; May 6; Gaz. vol. 190; p. 102.
- Richardson, William G., London, England. Buckle and the like. No. 1,065,171; June 17; Gaz. vol. 191; p. 746.
- Richardson, William H., Jersey City, N. J. Bag reversing and lining apparatus. No. 1,082,651; Dec. 30; Gaz. vol. 197; p. 1062.
- Richardson, William K., Leavenworth, Kans. Volumetric valve. No. 1,055,291; Mar. 4; Gaz. vol. 188; p. 211.
- Richardson, William K., Leavenworth, Kans. Centrifugal pump. No. 1,080,655; Dec. 9; Gaz. vol. 197; p. 287.
- Richardson, William K., Leavenworth, Kans. Centrifugal pump. No. 1,080,656; Dec. 9; Gaz. vol. 197; p. 287.
- Riches, Richard S., St. Louis, Mo. Gyromotor-body shifter. No. 1,062,415; May 20; Gaz. vol. 190; p. 706.
- Riches, Richard S., St. Louis, Mo. Gyromotor-wheel controller. No. 1,062,797; May 27; Gaz. vol. 190; p. 873.
- Richey, Charles V., Washington, D. C., assignor to Phone Call Recorder Company. Telephone register and lock-out device. No. 1,063,599; June 3; Gaz. vol. 191; p. 147.
- Richey, Charles V., Washington, D. C., assignor to Phone Call Recorder Company. Telephone register and lock-out device. No. 1,067,274; July 15; Gaz. vol. 192; p. 540.
- Richey, Francis M., Jr. (See Griswold, Horatio F., assignor.)
- Richey, Kiss, McKees Rocks, Pa. Bed-spring. No. 1,078,516; Nov. 11; Gaz. vol. 196; p. 470.
- Richez, Hippolyte, Enghien-les-Bains, France. Hair-dye. No. 1,055,355; Mar. 11; Gaz. vol. 188; p. 273.
- Richir, Armand. (See Deprez and Richir.)
- Richling, William H., assignor to The H. Wenzel Tent & Duck Co., St. Louis, Mo. Tent. No. 1,081,699; Dec. 16; Gaz. vol. 197; p. 674.
- Richmond, C. M. (See Hester, William J., assignor.)
- Richmond, Carl A., Chicago, Ill. Game. No. 1,080,299; Dec. 2; Gaz. vol. 197; p. 133.
- Richmond, Carl A., Chicago, Ill. Game. No. 1,080,300; Dec. 2; Gaz. vol. 197; p. 133.
- Richmond, Carl A., Chicago, Ill. Target-game apparatus. No. 1,080,301; Dec. 2; Gaz. vol. 197; p. 134.
- Richmond Cedar Works. (See Parrish, James S., assignor.)
- Richmond Cedar Works. (See Turner and Reams, assignors.)
- Richmond, Elijah W. (See Whittinghill and Richmond.)
- Richmond, Frederick S., Chicago, Ill. Directory. No. 1,069,292; Aug. 5; Gaz. vol. 193; p. 72.
- Richmond, Gerald H., Buffalo, N. Y. Shock-absorber. No. 1,063,286; June 3; Gaz. vol. 191; p. 40.
- Richmond Stay-Bolt Drilling Machine Manufacturing Company. (See Fishburne, Edward W., assignor.)
- Richter, Alfred. (See Bock, Emil H., assignor.)
- Richter, August, Weehawken, N. J. Window chair and step. No. 1,070,181; Aug. 12; Gaz. vol. 193; p. 406.
- Richter, Edward, Plauen, Germany. Preparing an oil. No. 1,076,703; Oct. 28; Gaz. vol. 195; p. 840.
- Richter, Edward A., Pittsburgh, Pa. Propeller. No. 1,080,657; Dec. 9; Gaz. vol. 197; p. 288.
- Richter, Emanuel, Chicago, Ill. Coin-actuated mechanism. No. 1,078,381; Nov. 11; Gaz. vol. 196; p. 426.
- Richter, Emanuel, Chicago, Ill. Coin-actuated mechanism. No. 1,078,382; Nov. 11; Gaz. vol. 196; p. 426.
- Richter, Emil. (See Brázda, Richter, and Schückher.)
- Richter, Felix, Frankfort-on-the-Main, Germany. Draining and utilizing slime. No. 1,064,773; June 17; Gaz. vol. 191; p. 618.
- Richter, Felix, Frankfort-on-the-Main, Germany. Active carbon and making the same. No. 1,066,322; July 1; Gaz. vol. 192; p. 149.
- Richter, Felix, Frankfort-on-the-Main, and L. von Orth, Berlin, Germany. Bleaching solid and semisolid fats of all kinds. No. 1,072,034; Sept. 2; Gaz. vol. 194; p. 125.
- Richter, Felix, Frankfort-on-the-Main, and L. von Orth, Berlin, Germany. Purifying and bleaching wax of all kinds. No. 1,072,035; Sept. 2; Gaz. vol. 194; p. 125.
- Richter, Gedeon, Budapest, Austria-Hungary. Formation of calcium salt of acetylsalicylic acid. No. 1,058,904; Apr. 15; Gaz. vol. 189; p. 602.
- Richter, Gustav F., New York, assignor to W. H. Hamilton, Brooklyn, N. Y. Anesthesia-mask. No. 1,070,986; Aug. 19; Gaz. vol. 193; p. 716.
- Richter, Harry J., Wilmette, assignor to H. A. Leslie, trustee, Chicago, Ill. Steam-turbine blades. No. 1,062,737; May 27; Gaz. vol. 190; p. 853.
- Richter, Herman. (See Cooper and Richter.)
- Richter, Herman, Tacoma, Wash. Car. No. 1,072,501; Sept. 9; Gaz. vol. 194; p. 312.
- Richter, Herman F., Pasadena, Cal. Variable chain lock. No. 1,069,646; Aug. 5; Gaz. vol. 193; p. 191.
- Richter, Rudolf, Grünau, assignor to Maffei-Schwartzkopf Werke G. m. b. H., Berlin, Germany. Apparatus for regulating the pressure in step-transformers. No. 1,053,110; Feb. 11; Gaz. vol. 187; p. 466.
- Richter, Rudolf, Grünau, assignor to Maffei-Schwartzkopf Werke G. m. b. H., Berlin, Germany. Multiple control of electric motors. No. 1,080,587; Dec. 9; Gaz. vol. 197; p. 264.
- Richter, Rudolf, Grünau, assignor to Maffei-Schwartzkopf Werke G. m. b. H., Berlin, Germany. Multiple control of electric motors. No. 1,080,588; Dec. 9; Gaz. vol. 197; p. 265.
- Richter, Rudolf, Charlottenburg, assignor to Siemens-Schuckert-Werke, G. m. b. H., Berlin, Germany. Armature-winding for electrical machines with commutators. No. 1,072,036; Sept. 2; Gaz. vol. 194; p. 125.
- Richwine, W. A., et al. (See Black and St. John, assignors.)
- Rickard, Charles S., Traverse City, Mich. Mail-pouch lock. No. 1,062,506; May 20; Gaz. vol. 190; p. 736.
- Rickard, George W., and E. C. De Voe, Dayton, Ohio. Trolley-harp. No. 1,051,009; Jan. 21; Gaz. vol. 186; p. 648.
- Rickard, James. (See Boyd and Rickard.)
- Rickardson, Werner. (See Reed and Rickardson.)
- Ricker, Charles P., and W. L. Guild, assignors to Dixfield Toothpick Company, Dixfield, Me. Device for measuring and packaging matches, toothpicks, and similar articles. No. 1,063,387; June 3; Gaz. vol. 191; p. 74.
- Ricker, Eugene C., Scranton, Pa. Alarm. No. 1,054,448; Feb. 25; Gaz. vol. 187; p. 1003.
- Rickert, Fred C., assignor to Taunton Knitting Company, Taunton, Mass. Union undergarment. No. 1,081,866; Dec. 16; Gaz. vol. 197; p. 733.
- Ricketts, George W., assignor of one-third to H. Leadum, Philadelphia, Pa. Wind-indicator. No. 1,063,169; July 22; Gaz. vol. 192; p. 876.
- Ricketts, James R., Los Angeles, Cal. Transmission-gearing. No. 1,057,775; Apr. 1; Gaz. vol. 189; p. 129.
- Ricketts, James R., Los Angeles, Cal. Iron. No. 1,073,440; Sept. 16; Gaz. vol. 194; p. 681.
- Ricketts, James R., assignor to Perfection Gas Regulator Company, Los Angeles, Cal. Gas-regulator. No. 1,058,102; Apr. 8; Gaz. vol. 189; p. 287.
- Ricketts, James R., assignor to Perfection Gas Regulator Company, Los Angeles, Cal. Gas-regulator. No. 1,058,334; Apr. 8; Gaz. vol. 189; p. 368.
- Ricketts, James R., assignor to Perfection Gas Regulator Company, Los Angeles, Cal. Gas-regulator. No. 1,058,335; Apr. 8; Gaz. vol. 189; p. 368.
- Ricketts, James R., assignor to Perfection Gas Regulator Company, Los Angeles, Cal. Gas-regulator. No. 1,079,146; Nov. 18; Gaz. vol. 196; p. 721.
- Rickly, George C., Ottawa, Ill. Tobacco-pipe. No. 1,072,167; Sept. 2; Gaz. vol. 194; p. 171.
- Rickman, Robert L., Vancouver, British Columbia, Canada. Block-making machine. No. 1,056,059; Mar. 18; Gaz. vol. 188; p. 542.
- Rickman, Ulysses S., assignor of one-half to L. B. Swartz, Newton, Kans. Support for pipe-hangers. No. 1,072,361; Sept. 2; Gaz. vol. 194; p. 234.
- Rickords, Samuel B., Seymour, Iowa. Grave-marker. No. 1,079,147; Nov. 18; Gaz. vol. 196; p. 722.
- Ricks, Albert, Gross Lichterfelde-Ost, Germany. Electric-storage-battery plate. No. 1,051,261; Jan. 21; Gaz. vol. 186; p. 731.
- Ricords, Frederick, and M. Lewry, New York, assignors of one-third to S. Shapiro, Brooklyn, N. Y. Electric fire-alarm. No. 1,080,480; Dec. 2; Gaz. vol. 197; p. 196.
- Riday, Robert E., Chester, Pa. Clarinet. No. 1,060,946; May 6; Gaz. vol. 190; p. 132.

Alphabetical list of patentees—Continued.

- Ridderhof, Cornell, Los Angeles, Cal. Holder or support for fountain-pens. No. 1,076,841; Oct. 28; Gaz. vol. 195; p. 887.
- Riddle, John S. (See Mershon and Riddle.)
- Riddle, Emil, *et al.* (See Riddle, Henry, assignor.)
- Riddle, Frank, *et al.* (See Riddle, Henry, assignor.)
- Riddle, Henry, assignor of one-third to F. Riddle, one-third to J. Riddle, and one-third to E. Riddle, North Liberty, Iowa. Device for preventing the derailing of railway-cars. No. 1,072,261; Sept. 2; Gaz. vol. 194; p. 199.
- Riddle, Henry, assignor of one-third to F. Riddle, one-third to J. Riddle, and one-third to E. Riddle, North Liberty, Iowa. Rail-joint. No. 1,080,481; Dec. 2; Gaz. vol. 197; p. 197.
- Riddle, Howard S., Columbus, Ohio, assignor, by mesne assignments, to The Jeffrey Manufacturing Company. Motor-truck. No. 1,054,314; Feb. 25; Gaz. vol. 187; p. 955.
- Riddle, J. L., *et al.* (See Martin and Flowers, assignors.)
- Riddle, James, *et al.* (See Riddle, Henry, assignor.)
- Riddle, James A., Hotchkiss, Colo. Nail-holding hammer. No. 1,052,965; Feb. 11; Gaz. vol. 187; p. 416.
- Riddle, Robert N., Rahway, N. J. Extracting oils and fats from oil-seeds and other vegetable raw materials containing oils and fats. No. 1,076,997; Oct. 28; Gaz. vol. 195; p. 943.
- Riddle, Robert N., Rahway, N. J., assignor of three-fourths to H. A. Loeb, New York, N. Y. Cocoa derivative and separating constituents of the cacao-bean. No. 1,073,441; Sept. 16; Gaz. vol. 194; p. 681.
- Rider, Ebenezer W., Detroit, Mich. Molding-machine. No. 1,051,010; Jan. 21; Gaz. vol. 186; p. 648.
- Rider, Herbert E. (See Porter and Rider.)
- Rider, Walter J., Charles Town, W. Va. Hydraulic cushion. No. 1,051,450; Jan. 28; Gaz. vol. 186; p. 829.
- Rider, William H. C. (See Converse and Rider.)
- Ridge, Harry M. (See Merton, Thomas D., assignor.)
- Ridge, Harry M., London, England. Muffled roasting-furnace. No. 1,070,534; Aug. 19; Gaz. vol. 193; p. 569.
- Ridgely, Herbert W. (See Morris, Josiah, assignor.)
- Ridgway Dynamo and Engine Company, The. (See Hall, Thomas, assignor.)
- Ridgway Dynamo and Engine Company, The. (See Owen and Hall, assignors.)
- Ridgway, Joseph B., Curtis, Neb. Attachment for disk harrows. No. 1,051,824; Jan. 28; Gaz. vol. 186; p. 953.
- Ridings, William R., Manchester, England. Arc-lamp. No. 1,052,425; Feb. 4; Gaz. vol. 187; p. 198.
- Ridley, Arthur L., Searsport, Me. Cork-extractor. No. 1,082,555; Dec. 30; Gaz. vol. 197; p. 1029.
- Ridley, Thomas W., Middlesbrough, England. Concrete pile. No. 1,078,000; Nov. 11; Gaz. vol. 196; p. 292.
- Riebe, Paul, Chicago, Ill. Adjustable guide-plate guard. No. 1,077,432; Nov. 4; Gaz. vol. 196; p. 68.
- Riebin, Michael F. (See Potapoff, John, assignor.)
- Riedel Aktiengesellschaft, J. D. (See Houben, Josef, assignor.)
- Rieder, John J., Jackson, Mich. Whistle. No. 1,054,793; Mar. 4; Gaz. vol. 188; p. 48.
- Riegel, John C., Pottsville, Pa. Variable-speed mechanism for motor-vehicles. No. 1,080,782; Dec. 9; Gaz. vol. 197; p. 332.
- Riegel, Samuel S., Scranton, Pa. Steam-chest relief-valve. No. 1,054,794; Mar. 4; Gaz. vol. 188; p. 49.
- Riegel, Samuel S., Scranton, Pa. Locomotive-grate shaker. No. 1,065,725; June 24; Gaz. vol. 191; p. 972.
- Rieger, Emil. (See Bazlen, Rieger, and Wohlfahrt.)
- Riek, Rudolph A., assignor to Rhineland Refrigerator Co., Rhineland, Wis. Refrigerator. No. 1,080,074; Dec. 2; Gaz. vol. 197; p. 55.
- Rieken, Ernest H., Chicago, Ill. Electric switch. No. 1,065,550; June 24; Gaz. vol. 191; p. 913.
- Riel, Victor, Manchester, N. H. Driving connection for picker-sticks of weaving-looms. No. 1,072,502; Sept. 9; Gaz. vol. 194; p. 312.
- Riemenschneider, Adolph, Sarco Creek, Tex. Feeding mechanism for cotton-gins. No. 1,074,016; Sept. 23; Gaz. vol. 194; p. 900.
- Riener, Milton E., St. Joseph, Mo. Steering mechanism for automobiles. No. 1,069,810; Aug. 12; Gaz. vol. 193; p. 278.
- Rienhart, William E. (See Huckle and Rienhart.)
- Rienks, Gustaaf A., Freeport, Ill. Wrench. No. 1,077,303; Nov. 4; Gaz. vol. 196; p. 21.
- Ries, Oscar M., Toledo, Ohio. Saw-oiler. No. 1,052,175; Feb. 4; Gaz. vol. 187; p. 115.
- Riesenberg, Felix, New York, N. Y. Fountain-pen. No. 1,050,295; Jan. 14; Gaz. vol. 186; p. 365.
- Riesenberg, Frank W., Chicago, Ill. Wrench. No. 1,081,700; Dec. 16; Gaz. vol. 197; p. 674.
- Rieske, Otto G., St. Louis Park, Minn. Double-disk attachment for seed-drills. No. 1,050,172; Jan. 14; Gaz. vol. 186; p. 323.
- Rieske, Otto G., St. Louis Park, Minn., assignor to Monitor Drill Company. Grain-drill. No. 1,061,499; May 13; Gaz. vol. 190; p. 356.
- Rieske, Otto G., Beaver Dam, Wis., assignor to A. J. Euchenhofner, Indianapolis, Ind. Milking apparatus. No. 1,074,979; Oct. 7; Gaz. vol. 195; p. 132.
- Rieske, Otto G., Beaver Dam, Wis., assignor to A. J. Euchenhofner, Indianapolis, Ind. Double-disk attachment for seed-drills. No. 1,076,998; Oct. 28; Gaz. vol. 195; p. 944.
- Rietkötter, Georg, Hagen, Germany. Electromagnetic ore-separator. No. 1,074,068; Sept. 23; Gaz. vol. 194; p. 916.
- Rietman, E. G., *et al.* (See Jenkins, Samuel M., assignor.)
- Rietzel, Adolph F. (See Rowe and Rietzel.)
- Rietzel, Adolph F., Westerly, R. I., assignor, by mesne assignments, to Thomson Electric Welding Company, Lynn, Mass. Electric metal-working apparatus. No. 1,049,920; Jan. 7; Gaz. vol. 186; p. 203.
- Rietzel, Adolph F., Westerly, R. I., assignor to W. H. Rowe, Pittsburgh, Pa. Reel. No. 1,055,356; Mar. 11; Gaz. vol. 188; p. 273.
- Rietzel, Adolph F., Charlestown, R. I., assignor to Universal Electric Welding Company, New York, N. Y. Transformer for electric metal-working apparatus. No. 1,052,753; Feb. 11; Gaz. vol. 187; p. 341.
- Rietzel, Adolph F., Charlestown, R. I., assignor to Universal Electric Welding Company, New York, N. Y. Riveted metal work. No. 1,082,767; Dec. 30; Gaz. vol. 197; p. 1105.
- Rietzel, Adolph F., Charlestown, R. I., assignor to W. H. Rowe, Pittsburgh, Pa. Reel. No. 1,063,735; June 3; Gaz. vol. 191; p. 196.
- Rietzel, Adolph F., Charlestown, R. I., assignor to Thomson Electric Welding Company, Lynn, Mass. Electric metal-working apparatus. No. 1,074,383; Sept. 30; Gaz. vol. 194; p. 1050.
- Rifenberck, Lowrey G., Albany, N. Y. Window-shade bracket. No. 1,067,196; July 8; Gaz. vol. 192; p. 476.
- Rifer, John L. (See Farley and Rifer.)
- Rifer, John L., Portland, Oreg. Die-magazine. No. 1,082,768; Dec. 30; Gaz. vol. 197; p. 1105.
- Rigby, Alfred. (See Scully and Rigby.)
- Rigdon, Thomas S., Ashland, La. Churn. No. 1,079,723; Nov. 25; Gaz. vol. 196; p. 949.
- Rigert, Herman, Oklahoma, Okla. Fastener. No. 1,083,139; Dec. 30; Gaz. vol. 197; p. 1229.
- Riggs, Elzy, Monongalia county, W. Va. Wagon-tongue. No. 1,078,956; Nov. 18; Gaz. vol. 196; p. 652.
- Riggs, Garshom A. (See Robertson and Riggs.)
- Riggs, Henry H. (See Harper and Riggs.)
- Riggs, James W., Bonnieville, Ky. Latch. No. 1,065,172; June 17; Gaz. vol. 191; p. 746.
- Righter, Edmund K., Newark, N. J. Wrench. No. 1,061,691; May 13; Gaz. vol. 190; p. 425.
- Rightmire, Franklin, Paterson, N. J. Device for treating cutaneous diseases. (Reissue.) No. 13,608; Aug. 19; Gaz. vol. 193; p. 727.
- Rigling, William, Hamilton, Ohio. Egg-tester. No. 1,066,050; July 1; Gaz. vol. 192; p. 52.
- Rigrish, George A. (See Clark, George J., assignor.)
- Rikard, William B., Prosperity, S. C. Clock. No. 1,074,204; Sept. 30; Gaz. vol. 194; p. 991.
- Riker, Andrew L., Bridgeport, Conn., assignor to The "Locomotive" Company of America, New York, N. Y. Speed-changing mechanism. No. 1,051,515; Jan. 28; Gaz. vol. 186; p. 851.
- Riley, Abner E., Hartford, Wis. Hinge. No. 1,052,515; Feb. 11; Gaz. vol. 187; p. 262.
- Riley, Andrew J., Alabama City, Ala., assignor to Draper Company, Hopedale, Mass. Friction let-off mechanism for looms. No. 1,061,500; May 13; Gaz. vol. 190; p. 356.
- Riley, Daniel E., and C. D. Powell, Nome, Alaska. Sled. No. 1,053,876; Feb. 18; Gaz. vol. 187; p. 770.
- Riley, Edward, Spokane, Wash. Thread-cutting machine. No. 1,072,503; Sept. 9; Gaz. vol. 194; p. 312.
- Riley, Frank T., Kansas City, Mo. Time-recorder. No. 1,055,798; Mar. 11; Gaz. vol. 188; p. 421.
- Riley, Harry L., Atlantic City, N. J. Ice-creeper for horseshoes. No. 1,057,880; Apr. 1; Gaz. vol. 189; p. 166.
- Riley, James L., Xenia, Ill. Carrier. No. 1,074,205; Sept. 30; Gaz. vol. 194; p. 992.
- Riley, James L., and M. S. Byrd, Xenia, Ill. Automatic poultry-disinfector. No. 1,075,855; Oct. 14; Gaz. vol. 195; p. 463.
- Riley, James W., East Omaha, Nebr. Saw-set. No. 1,070,916; Aug. 19; Gaz. vol. 193; p. 694.
- Riley, Lester S., Boston, Mass., assignor to Progress Manufacturing Company. Universal counter. No. 1,061,126; May 6; Gaz. vol. 190; p. 195.
- Riley, Lester S., Boston, Mass., assignor to Progress Manufacturing Company. Counter-pad. No. 1,061,127; May 6; Gaz. vol. 190; p. 196.
- Riley, Neale P., *et al.* (See Marfield, Paul B., assignor.)
- Riley, Patrick J., St. Louis, Mo. Heel-building machine. No. 1,080,302; Dec. 2; Gaz. vol. 197; p. 134.
- Riley, Samuel L., Palestine, Tex., assignor of one-fourth to S. A. Griggs and one-fourth to M. Bryant. Wire-stretcher. No. 1,056,303; Mar. 18; Gaz. vol. 188; p. 626.
- Rinaldo, David, San Jose, Cal. Clamp-ring for hose-couplings. No. 1,078,957; Nov. 18; Gaz. vol. 196; p. 653.

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- Rindlsbacher, Jacob. (See Schmitt and Rindlsbacher.)
- Rindsberg, Joseph, Richmond, Va. Stationery. No. 1,076,450; Oct. 21; Gaz. vol. 195; p. 697.
- Rindskopf, Henry P., New York, N. Y. Dress-shield. No. 1,083,140; Dec. 30; Gaz. vol. 197; p. 1229.
- Rinehart, Bentley L., Camden, N. J., assignor to Victor Talking Machine Company. Sound-box for talking-machines. No. 1,071,089; Aug. 26; Gaz. vol. 193; p. 787.
- Rinehart, John C., *et al.* (See Torney, John H., assignor.)
- Ring, Charles E., assignor of three-fourths to J. McIntyre, J. Pitts, and C. L. Mosby, Bedford City, Va. Lawn-mower sharpener. No. 1,071,580; Aug. 26; Gaz. vol. 193; p. 950.
- Ringe, John C., Bridgeport, Conn., assignor to The Singer Manufacturing Company. Sewing-machine. No. 1,056,368; Mar. 18; Gaz. vol. 188; p. 646.
- Ringe, John C., Bridgeport, Conn., assignor to The Singer Manufacturing Company. Take-up for sewing-machines. No. 1,058,905; Apr. 15; Gaz. vol. 189; p. 602.
- Ringel, Charles J., Los Angeles, Cal. Noiseless railway-crossing. No. 1,072,652; Sept. 9; Gaz. vol. 194; p. 364.
- Ringer, Edward H., Pittsburgh, Pa. Adjustable clamp for picture-frames. No. 1,059,764; Apr. 22; Gaz. vol. 189; p. 930.
- Ringer, John H., assignor of one-half to P. E. Russell, Canton, Ohio. Credit-slip-holding memorandum device. No. 1,069,474; Aug. 5; Gaz. vol. 193; p. 136.
- Ringer, Sören, Copenhagen, Denmark. Means for adjustably supporting shelves, partitions, and the like. No. 1,052,516; Feb. 11; Gaz. vol. 187; p. 262.
- Ringle, Robert F., assignor to Herman Pneumatic Machine Company, Zellenople, Pa. Jarring-machine. No. 1,054,315; Feb. 25; Gaz. vol. 187; p. 956.
- Ringle, Robert F., assignor to Herman Pneumatic Machine Company, Zellenople, Pa. Valve for jarring-machines. No. 1,060,127; Apr. 29; Gaz. vol. 189; p. 1092.
- Ringler, William A., Montclair, N. J., assignor to A. E. MacKinnon, Brooklyn, N. Y. Garment-frame. No. 1,052,426; Feb. 4; Gaz. vol. 187; p. 198.
- Rink, George W., Jersey City, N. J. Draw-bar carry-iron. No. 1,070,356; Aug. 12; Gaz. vol. 193; p. 465.
- Rinker, Jacob C., assignor to Western Electric Company, New York, N. Y. Electrical switching apparatus. No. 1,066,051; July 1; Gaz. vol. 192; p. 52.
- Rinsche, Frank C., St. Louis, Mo. Adding-machine. No. 1,049,921; Jan. 7; Gaz. vol. 186; p. 203.
- Rinsche, Frank C., St. Louis, Mo. Calculating-machine. No. 1,050,041; Jan. 7; Gaz. vol. 186; p. 245.
- Rinsche, Frank C., St. Louis, Mo. Computing-machine. No. 1,065,887; June 24; Gaz. vol. 191; p. 1028.
- Riordan, Edward, New York, N. Y. Dispensing device. No. 1,074,463; Sept. 30; Gaz. vol. 194; p. 1077.
- Riordan, Patrick D., New York, N. Y. Snow-destroyer. No. 1,051,969; Feb. 4; Gaz. vol. 187; p. 42.
- Riordan, Patrick D., New York, N. Y. Clothes-drier. No. 1,069,475; Aug. 5; Gaz. vol. 193; p. 136.
- Riotte, Eugene A., Bronxville, N. Y., assignor to Standard Motor Construction Company, Jersey City, N. J. Carbureter. No. 1,074,574; Sept. 30; Gaz. vol. 194; p. 1112.
- Riotte, Eugene A., Bronxville, N. Y., assignor to Standard Motor Construction Company, Jersey City, N. J. Carbureter. No. 1,074,575; Sept. 30; Gaz. vol. 194; p. 1112.
- Rioux, Alphonse, Nashua, N. H. Railway signaling system. No. 1,051,262; Jan. 21; Gaz. vol. 186; p. 731.
- Rioux, Alphonse, Nashua, N. H. Railway signaling system. No. 1,051,263; Jan. 21; Gaz. vol. 186; p. 732.
- Rioux, Alphonse, Nashua, N. H. Railway signaling system. No. 1,051,264; Jan. 21; Gaz. vol. 186; p. 732.
- Riphan, Henry E., Fennimore, assignor of one-half to C. J. Dagenhart, Blue Mounds, Wis. Fifth-wheel for vehicles. No. 1,065,968; July 1; Gaz. vol. 192; p. 23.
- Ripken, Hugo F. (See Kingan and Ripken.)
- Rippel, Albert F., Greenwich, Conn. Smoking-pipe. No. 1,061,009; May 6; Gaz. vol. 190; p. 156.
- Ripson, John D., West Toronto, Ontario, Canada. Water-wheel. No. 1,067,064; July 8; Gaz. vol. 192; p. 430.
- Risberg, Johannes V. M., Fridhem, assignor to Aktiebolaget Baltic, Södertelje, Sweden. Lubricator for centrifugal liquid-separators. No. 1,054,988; Mar. 4; Gaz. vol. 188; p. 114.
- Risberg, Johannes V. M., Fridhem, assignor to Aktiebolaget Baltic, Södertelje, Sweden. Combined steam-turbine centrifugal liquid-separator and liquid-heater. No. 1,062,853; May 27; Gaz. vol. 190; p. 892.
- Risbridger, John, assignor of fifty-five one-hundredths to Eureka Tempered Copper Works, North East, Pa. Trolley. No. 1,060,947; May 6; Gaz. vol. 190; p. 133.
- Rishebegar, James R., and J. J. Jones, Mount Pleasant, Pa. Apparatus for bowling-alleys. No. 1,059,211; Apr. 15; Gaz. vol. 189; p. 708.
- Risher, Arthur W. (See McClure, Daniel R., Jr., assignor.)
- Risinger, Frank V., assignor to The Block Light Co., Youngstown, Ohio. Clasp. No. 1,049,533; Jan. 7; Gaz. vol. 186; p. 73.
- Rison, Otto, Sebeka, Minn. Caster. No. 1,066,754; July 8; Gaz. vol. 192; p. 328.
- Rison, Otto, Sebeka, Minn. Match-safe. No. 1,081,407; Dec. 16; Gaz. vol. 197; p. 579.
- Rispel, Alexander, assignor of one-half to L. H. Liedtke, Chicago, Ill. Door check and closer. No. 1,053,222; Feb. 18; Gaz. vol. 187; p. 547.
- Ritchey, Harry W., Vandergrift, Pa. Automatic registering-faucet. No. 1,062,035; May 20; Gaz. vol. 190; p. 578.
- Ritchey, Roy R., Wickenburg, Ariz. Water-cooling refrigerator. No. 1,077,557; Nov. 4; Gaz. vol. 196; p. 111.
- Ritchie, Howard B., Hyde Park, Mass. Assorting-machine. No. 1,056,369; Mar. 18; Gaz. vol. 188; p. 646.
- Ritenour, George B., West Lafayette, Ind. Window-sash. No. 1,051,763; Jan. 28; Gaz. vol. 186; p. 932.
- Riter-Conley Manufacturing Company. (See Bowman and Bovard, assignors.)
- Ritschke, Friedrich A., Geesthacht-on-the-Elbe, Germany, assignor to E. I. du Pont de Nemours Powder Company, Wilmington, Del. Smokeless nitrocellulose-nitroglycerin powder and making the same. No. 1,063,469; June 3; Gaz. vol. 191; p. 101.
- Ritten, Louis N., Cherokee, Iowa. Can. No. 1,062,118; May 20; Gaz. vol. 190; p. 606.
- Rittenhouse, James F., Liberty Mills, Ind. Hand-seeder. No. 1,058,103; Apr. 8; Gaz. vol. 189; p. 287.
- Ritter, Adam, Cincinnati, Ohio. Adjustable rail-fastening clip. No. 1,056,834; Mar. 25; Gaz. vol. 188; p. 837.
- Ritter, Constanze, New York, N. Y. Hand-rubber. No. 1,074,742; Oct. 7; Gaz. vol. 195; p. 54.
- Ritter, Frank, Rochester, N. Y. Head-rest. No. 1,054,033; Feb. 25; Gaz. vol. 187; p. 861.
- Ritter, Henry J., assignor to The Tipp Building and Manufacturing Company, Tippecanoe City, Ohio. Kitchen-cabinet. No. 1,081,151; Dec. 9; Gaz. vol. 197; p. 455.
- Ritter, Isaac B., Philadelphia, Pa. Elevator. No. 1,066,052; July 1; Gaz. vol. 192; p. 53.
- Ritter, Jacob, New York, N. Y. Inlay for bag-frames. No. 1,078,383; Nov. 11; Gaz. vol. 196; p. 427.
- Ritter, Jenny. (See Hluchý, Libor, assignor.)
- Ritter, Karl, Schwezingen, Germany. Support for folding roofs of motor-cars. No. 1,053,318; Feb. 18; Gaz. vol. 187; p. 581.
- Ritter, Max R., Hamburg, Germany. Device for drying veneer. No. 1,055,993; Mar. 11; Gaz. vol. 188; p. 486.
- Ritter, William O., French Lick, Ind. Display-hanger. No. 1,062,416; May 20; Gaz. vol. 190; p. 706.
- Rittersbach, Albert, Philadelphia, Pa. Piston-support. No. 1,064,542; June 10; Gaz. vol. 191; p. 505.
- Rittershausen, Adolph, Cassel, Germany. Electric heat-accumulator. No. 1,070,734; Aug. 19; Gaz. vol. 193; p. 636.
- Ritzman, Lorentz, Canon City, Colo. Flume-gate. No. 1,065,839; June 24; Gaz. vol. 191; p. 1011.
- Rivard, Theodore, Newport, Vt. Safety attachment for freight-cars. No. 1,062,255; May 20; Gaz. vol. 190; p. 653.
- Rivenbark, Julia B., Norfolk, Va. Ripper for sewing-machines. No. 1,067,550; July 15; Gaz. vol. 192; p. 633.
- Rivera, José S., Mixcoac, Mexico. Machine for type-writing musical signs and indications. No. 1,063,470; June 3; Gaz. vol. 191; p. 101.
- Rivers, Clarence T., New York, N. Y. Cooling-chest. No. 1,082,173; Dec. 23; Gaz. vol. 197; p. 863.
- Rivers, James M., Fort Meade, Fla. Plow and cultivator. No. 1,066,323; July 1; Gaz. vol. 192; p. 149.
- Riverside Engine Company. (See Gray, Edward, assignor.)
- Rivière, Jean H., West Hoboken, N. J. Nut-lock. No. 1,067,551; July 15; Gaz. vol. 192; p. 633.
- Rixson, Oscar C., New York, N. Y. Closer and check for single-acting doors. No. 1,064,255; June 10; Gaz. vol. 191; p. 406.
- Rixson, Oscar C., New York, N. Y. Door-closer. No. 1,064,256; June 10; Gaz. vol. 191; p. 407.
- Rixson, Oscar C., New Rochelle, N. Y. Door-stay. No. 1,082,909; Dec. 30; Gaz. vol. 197; p. 1155.
- Roach, Alonzo, Linton, Ind. Acetylene-lamp. No. 1,068,931; July 29; Gaz. vol. 192; p. 1181.
- Roach, Harry F., St. Louis, Mo. Rail-joint. No. 1,078,695; Nov. 18; Gaz. vol. 196; p. 563.
- Roach, Jasper R., Fayette, Ala. Spectacles. No. 1,056,370; Mar. 18; Gaz. vol. 188; p. 647.
- Roach, John. (See Osborn and Roach.)
- Roach, Patrick J., Toronto, Ontario, Canada. Overshoe for horses. No. 1,053,064; Feb. 11; Gaz. vol. 187; p. 449.
- Roach, Thomas W., Lyman, Wash. Saw tensioning and straightening machine. No. 1,053,746; Feb. 18; Gaz. vol. 187; p. 729.
- Roach, William. (See Stevens and Roach.)
- Roach, William E., San Antonio, Tex. Account-index. No. 1,077,752; Nov. 4; Gaz. vol. 196; p. 175.
- Roat, Edwin C., Philadelphia, Pa. Shirt. No. 1,080,928; Dec. 9; Gaz. vol. 197; p. 384.

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- Roat, Frank E. (See Pierpoint, Ralph N., assignor.)
 Rob, Ferdinand F., Baltimore, Md. Flush-valve. No. 1,060,288; Apr. 29; Gaz. vol. 189; p. 1150.
 Robacher, William W., Rochester, assignor to Just Process Company, Syracuse, N. Y. Filtering apparatus. No. 1,051,160; Jan. 21; Gaz. vol. 186; p. 699.
 Robacher, William W., Rochester, assignor to Just Process Company, Syracuse, N. Y. Filtering apparatus. No. 1,051,161; Jan. 21; Gaz. vol. 186; p. 699.
 Robb, Edward. (See L'home, Leo, assignor.)
 Robb, James T., New York, N. Y. Lighting-fixture. No. 1,070,292; Aug. 12; Gaz. vol. 193; p. 444.
 Robb, William B. (See Hunter, Alva, assignor.)
 Robb, William E., Oil City, Pa. Game apparatus. No. 1,065,173; June 17; Gaz. vol. 191; p. 747.
 Robben, Clemens A. and H. H., Norton, Kans.; said H. H. Robben assignor to said Clemens A. Robben. Combined grain barge and stacker. No. 1,065,469; June 24; Gaz. vol. 191; p. 886.
 Robben, Herman H. (See Robben, Clemens A. and H. H.)
 Robbins, Alfonso D., Freeport, N. Y. Universal strut. No. 1,063,388; June 3; Gaz. vol. 191; p. 74.
 Robbins, Alfonso D., Freeport, N. Y. Flexible stuffing-box. No. 1,063,389; June 3; Gaz. vol. 191; p. 75.
 Robbins, George, Minneapolis, Minn. Multicompartment cabinet. No. 1,056,835; Mar. 25; Gaz. vol. 188; p. 837.
 Robbins, George B. (See Sharp, William E., assignor.)
 Robbins, Ira, Philadelphia, Pa., assignor of one-fourth to C. L. Parker, Washington, D. C., and one-fourth to J. A. L. Campbell, New York, N. Y. Vending-machine. No. 1,060,363; Apr. 29; Gaz. vol. 189; p. 1177.
 Robbins, Meyer L., New York, N. Y. Bracelet. No. 1,059,564; Apr. 22; Gaz. vol. 189; p. 865.
 Robbins, Nathaniel V. (See Hatter, John A., assignor.)
 Robbins, Walter, and A. H. Timmerman, assignors to Wagner Electric Manufacturing Company, St. Louis, Mo. System of electrical control. No. 1,068,702; July 29; Gaz. vol. 192; p. 1099.
 Robbins, William M., Bluefield, W. Va. Car-replacer. No. 1,060,213; Apr. 29; Gaz. vol. 189; p. 1122.
 Robblee, Ide L., Springfield, Mass. Funnel. No. 1,069,579; Aug. 5; Gaz. vol. 193; p. 168.
 Roberts, Garfield A., assignor of one-half to J. W. Breyfogle, Olathe, Kans. Camera attachment. No. 1,069,293; Aug. 5; Gaz. vol. 193; p. 72.
 Robertson, Robert A. (See Neal and Robertson.)
 Robert Dempster & Sons. (See Toogood, Herbert J., assignor.)
 Robert Graves Co., The. (See Jackson, William, assignor.)
 Robert N. Bassett Company, The. (See Burns, Matthew F., assignor.)
 Robert N. Bassett Company, The. (See Holden, Walter A., assignor.)
 Robert N. Bassett Company. (See Russ, John B., assignor.)
 Robert Wetherill & Company. (See Wetherill, Robert, assignor.)
 Robertson, Isaiah. (See McMurtrie and Robertson.)
 Roberts, Allen D. (See Whitman and Roberts.)
 Roberts, Bert C., assignor of one-half to L. Lessy, Beckwith, Iowa. Post-hole machine. No. 1,073,821; Sept. 23; Gaz. vol. 194; p. 833.
 Roberts Brass Manufacturing Company, The. (See Roberts, Earl W., assignor.)
 Roberts, Brereton B., Cimla, Neath, Wales. Safety-clutch for mine-cages. No. 1,072,362; Sept. 2; Gaz. vol. 194; p. 234.
 Roberts, Charles C., Ansonia, Conn. Adjustable work-supporting device. No. 1,072,363; Sept. 2; Gaz. vol. 194; p. 235.
 Roberts, Charles D., Monroe, N. C. Umbrella. No. 1,068,275; July 22; Gaz. vol. 192; p. 913.
 Roberts, Charles E., Chicago, Ill., assignor to The Brown Straw Binder Company, Indianapolis, Ind. Straw-binding harvester. No. 1,050,296; Jan. 14; Gaz. vol. 186; p. 365.
 Roberts, Charles P., Macon, Ga. Infant's crib. No. 1,064,171; June 10; Gaz. vol. 191; p. 377.
 Roberts, Charles W., Los Angeles, Cal. Building construction. No. 1,053,646; Feb. 18; Gaz. vol. 187; p. 693.
 Roberts, Clara, Newberry, Mich. Incubator-thermometer. No. 1,079,724; Nov. 25; Gaz. vol. 196; p. 949.
 Roberts, D. M., et al. (See Ernest, Albert C., assignor.)
 Roberts, David, J. W. Young, and C. James, Grantham, England. Internal-combustion engine. No. 1,077,161; Oct. 28; Gaz. vol. 195; p. 995.
 Roberts, Earl W., assignor to The Roberts Brass Manufacturing Company, Detroit, Mich. Gage-glass fitting. No. 1,056,304; Mar. 18; Gaz. vol. 188; p. 626.
 Roberts, Edward C., Saltville, Va. Composite board. No. 1,063,736; June 3; Gaz. vol. 191; p. 197.
 Roberts, Edward E., Hartford, Conn. Fuse. No. 1,077,369; Nov. 4; Gaz. vol. 196; p. 45.
 Roberts, Edward E., Wheeling, W. Va., assignor to Steel Fireproofing Company. Punching-die. No. 1,081,517; Dec. 16; Gaz. vol. 197; p. 617.
 Roberts, Francis and V. J., Auckland, New Zealand. Hose-coupling for air-brakes. (Reissue.) No. 13,666; Dec. 20; Gaz. vol. 197; p. 1270.
 Roberts, Frank C., Philadelphia, Pa., assignor to Underwood Typewriter Company, New York, N. Y. Typewriting machine. No. 1,066,053; July 1; Gaz. vol. 192; p. 53.
 Roberts, Frank C., Philadelphia, Pa., assignor to Underwood Typewriter Company, New York, N. Y. Typewriting machine. No. 1,066,224; July 1; Gaz. vol. 192; p. 115.
 Roberts, Frank C., Philadelphia, Pa., assignor to Underwood Typewriter Company, New York, N. Y. Typewriting machine. No. 1,066,657; July 8; Gaz. vol. 192; p. 292.
 Roberts, Frank C., Wynnewood, and A. Broden, Reading, Pa. Furnace-top. No. 1,066,225; July 1; Gaz. vol. 192; p. 115.
 Roberts, Frank F. (See Dewey and Conkey, assignors.)
 Roberts, George A., Wollaston, Mass. Package-tier. No. 1,079,882; Nov. 25; Gaz. vol. 196; p. 1004.
 Roberts, George V., Jr., Port Byron, N. Y. Milking apparatus. No. 1,074,206; Sept. 30; Gaz. vol. 194; p. 992.
 Roberts, George W., et al. (See Chilton, Henry J., assignor.)
 Roberts, Henry C., Murphysboro, Ill. Automobile jack and reversing-stand. No. 1,073,168; Sept. 16; Gaz. vol. 194; p. 584.
 Roberts, Henry L., Grimsby, Ontario, Canada. Packing-case. No. 1,071,090; Aug. 26; Gaz. vol. 193; p. 787.
 Roberts, Henry P., assignor to Dorsey Manufacturing Company, Boston, Mass. Beater and mixer. No. 1,068,470; July 29; Gaz. vol. 192; p. 1012.
 Roberts, Henry P., Boston, assignor, by mesne assignments, to A. A. Ormsbee, C. S. McCall, and G. Greene, Taunton, Mass. Interchangeable resilient heel. No. 1,075,303; Oct. 7; Gaz. vol. 195; p. 249.
 Roberts, Henry R., Bloomsbury, London, England. Machine or tool for sharpening saws. No. 1,074,464; Sept. 30; Gaz. vol. 194; p. 1078.
 Roberts, Homer J., Evanston, Ill., assignor, by mesne assignments, to Homer Roberts Telephone Co. Switch-board-circuits and apparatus for telephones. No. 1,077,753; Nov. 4; Gaz. vol. 196; p. 175.
 Roberts, Jesse M., Los Angeles, Cal. Land-leveler. No. 1,073,287; Sept. 16; Gaz. vol. 194; p. 627.
 Roberts, John G., assignor to Western Electric Company, Chicago, Ill. Lock-out switch for party telephone-lines. No. 1,057,500; Apr. 1; Gaz. vol. 189; p. 36.
 Roberts, John H., et al. (See Chilton, Henry J., assignor.)
 Roberts, John J., Akron, Ohio. Embalming apparatus. No. 1,059,070; Apr. 15; Gaz. vol. 189; p. 659.
 Roberts, John J., and J. D. Keen, Louisville, Ky. Station-indicator and advertiser. No. 1,051,162; Jan. 21; Gaz. vol. 186; p. 700.
 Roberts, John W., Sarnia, Ontario, Canada. Automatic pipe connection. No. 1,062,927; May 27; Gaz. vol. 190; p. 916.
 Roberts, John W., A. P. Brewster, and B. Bryson, Passaic, N. J. Stop mechanism. No. 1,053,647; Feb. 18; Gaz. vol. 187; p. 694.
 Roberts, Leonard C., Nunda, N. Y. Endless conveyer. No. 1,066,658; July 8; Gaz. vol. 192; p. 293.
 Roberts, Lewis D. (See Halfpenny, James M., assignor.)
 Roberts, Louis, assignor of one-half to A. F. Balmer, Brookville, Pa. Lock. No. 1,051,636; Jan. 28; Gaz. vol. 186; p. 892.
 Roberts, Lyman R., Rutherford, N. J., assignor to Underwood Typewriter Company, New York, N. Y. Web-cutting board. No. 1,056,453; Mar. 18; Gaz. vol. 188; p. 676.
 Roberts, Marion M., Gossett, Ill. Hinge. No. 1,072,364; Sept. 2; Gaz. vol. 194; p. 235.
 Roberts, Reuben E., et al. (See Hughes, David S., assignor.)
 Roberts, Robert R., assignor or one-tenth to E. E. Allwine, Washington, D. C. Treating vegetable fibers. No. 1,062,187; May 20; Gaz. vol. 190; p. 630.
 Roberts, Sherman C., Denver, Colo. Device for retarding the discharge from suction-fans and the like. No. 1,074,743; Oct. 7; Gaz. vol. 195; p. 54.
 Roberts, Thomas J., Atlanta, Ga. Motor-starting device. No. 1,080,482; Dec. 2; Gaz. vol. 197; p. 197.
 Roberts, Thomas W. (See Proffitt, Edward H., assignor.)
 Roberts, Uriah, Columbus, Wis. Negative-outline-indicating device. No. 1,073,169; Sept. 16; Gaz. vol. 194; p. 584.
 Roberts, Vernon J. (See Roberts, Francis and V. J.) (Reissue.)
 Roberts, W. F., et al. (See Gray, Ross E., assignor.)
 Roberts, William M., Ink, Ark. Cotton-chopping machine. No. 1,076,063; Oct. 21; Gaz. vol. 195; p. 562.
 Robertson, David N., Lynn, assignor of one-half to P. F. Munsey, Swampscott, Mass. Buffing-machine for parts of boots and shoes. No. 1,073,288; Sept. 16; Gaz. vol. 194; p. 627.
 Robertson, Everett C. (See Waddle and Robertson.)
 Robertson, George L., assignor of one-half to C. Mitchell, Philadelphia, Pa. Pneumatic hammer. No. 1,068,605; July 29; Gaz. vol. 192; p. 1065.
 Robertson, George L., assignor of one-half to C. Mitchell, Philadelphia, Pa. Pneumatic hammer. No. 1,071,263; Aug. 26; Gaz. vol. 193; p. 845.

Alphabetical list of patentees—Continued.

- Robertson, George L., assignor of one-half to C. Mitchell, Philadelphia, Pa. Pneumatic hammer. No. 1,078,384; Nov. 11; Gaz. vol. 196; p. 427.
- Robertson, George L., assignor of one-fourth to L. H. Schwartz and one-fourth to T. K. Schwartz, Philadelphia, Pa. Trolley. No. 1,082,046; Dec. 23; Gaz. vol. 197; p. 822.
- Robertson, Henry M. (See Gilman and Robertson.)
- Robertson, Henry M., St. Paul, Minn. Air-cleaner and ventilator. No. 1,067,759; July 15; Gaz. vol. 192; p. 703.
- Robertson, James, Glasgow, Scotland. Reckoning and computing apparatus. No. 1,052,276; Feb. 4; Gaz. vol. 187; p. 149.
- Robertson, James F. (See Barth and Robertson.)
- Robertson, James F., Pittsburgh, Pa. Automatic car-coupling. No. 1,061,406; May 13; Gaz. vol. 190; p. 324.
- Robertson, James G., St. Louis, Mo. Attachment for printing-presses. No. 1,075,670; Oct. 14; Gaz. vol. 195; p. 400.
- Robertson, John. (See Smith and Robertson.)
- Robertson, John A., assignor to Eastman Kodak Company, Rochester, N. Y. Photographic-print washer. No. 1,053,223; Feb. 18; Gaz. vol. 187; p. 547.
- Robertson, John A., assignor to Eastman Kodak Company, Rochester, N. Y. View-finder. No. 1,060,709; May 6; Gaz. vol. 190; p. 51.
- Robertson, John A., and G. A. Riggs, assignors to Eastman Kodak Co., Rochester, N. Y. Trimming-machine. No. 1,064,009; June 10; Gaz. vol. 191; p. 322.
- Robertson, John F., Pittsburgh, Pa. Check-valve. No. 1,049,922; Jan. 7; Gaz. vol. 186; p. 204.
- Robertson, John F., Coffeyville, Kans. Rail-clamp. No. 1,051,451; Jan. 28; Gaz. vol. 186; p. 829.
- Robertson, John H., Granby, Mo. Lock. No. 1,075,381; Oct. 14; Gaz. vol. 195; p. 302.
- Robertson, Joseph W., Walworth, and A. W. A. E. Veillard, Anerley, London, England. Apparatus for feeding sheets to bronzing-machines. No. 1,060,027; Apr. 29; Gaz. vol. 189; p. 1060.
- Robertson, Norman A., New York, N. Y. Bending and drawing sheet metal. No. 1,078,958; Nov. 18; Gaz. vol. 196; p. 653.
- Robertson, Norman A., New York, N. Y. Apparatus for bending and drawing sheet metal. No. 1,078,959; Nov. 18; Gaz. vol. 196; p. 653.
- Robertson, Peter L., Milton, near Hamilton, Ontario, Canada. Screw-machine. No. 1,051,915; Feb. 4; Gaz. vol. 187; p. 23.
- Robertson, Peter L., Milton, near Hamilton, Ontario, Canada. Chuck. No. 1,052,091; Feb. 4; Gaz. vol. 187; p. 85.
- Robertson, Peter L., Milton, near Hamilton, Ontario, Canada. Blank-feeding device. No. 1,052,092; Feb. 4; Gaz. vol. 187; p. 85.
- Robertson, Robert R. (See Naylor and Robertson.)
- Robertson, William G., Jr., Washington, D. C. Anti-slipping attachment for horseshoes. No. 1,064,090; June 10; Gaz. vol. 191; p. 349.
- Robeson, Jacob S. (See Hurt, Henry H., assignor.)
- Robeson, Jacob S., Au Sable Forks, N. Y. Treating roads, &c. No. 1,069,029; July 29; Gaz. vol. 192; p. 1213.
- Robeson, Jacob S., Au Sable Forks, N. Y. Treating roads, &c. No. 1,069,030; July 29; Gaz. vol. 192; p. 1213.
- Robeson, Jacob S., Au Sable Forks, N. Y. Plastic and plastic composition and making same. No. 1,069,031; July 29; Gaz. vol. 192; p. 1213.
- Robeson, Jacob S., Au Sable Forks, N. Y. Making roads. No. 1,075,856; Oct. 14; Gaz. vol. 195; p. 463.
- Robeson, Jacob S., Au Sable Forks, N. Y. Making roads. No. 1,075,857; Oct. 14; Gaz. vol. 195; p. 463.
- Robeson Process Company. (See Baekeland, Leo H., assignor.)
- Robeson, Russell E., Cleveland, Ohio. Supplemental seat for motor-cycles. No. 1,066,324; July 1; Gaz. vol. 192; p. 149.
- Robey, William G., Grafton, W. Va. Catamenial sack. No. 1,054,619; Feb. 25; Gaz. vol. 187; p. 1060.
- Robichaux, Henry J., Phoenix, Ariz. Approach for track-scales. No. 1,057,881; Apr. 1; Gaz. vol. 189; p. 167.
- Robin, Jacob I., Acton, London, England. Machine for use in the manufacture of incandescent gas-mantles. No. 1,054,620; Feb. 25; Gaz. vol. 187; p. 1061.
- Robin, Pierre, Paris, France. Manufacturing dental models. No. 1,055,357; Mar. 11; Gaz. vol. 188; p. 273.
- Robin, René A., Paris, France. Kinematographic apparatus for taking and projecting views by means of photographic plates. No. 1,079,187; Nov. 18; Gaz. vol. 196; p. 736.
- Robins, Charles H., Coeur d'Alene, Idaho. Drafting-tool. (Reissue.) No. 13,541; Mar. 4; Gaz. vol. 188; p. 219.
- Robinson, Algie Z., Wagar, Ala. Cleat for sawdust-conveyer chains. No. 1,066,325; July 1; Gaz. vol. 192; p. 150.
- Robinson, Alonzo H. (See Hall, Green M., assignor.)
- Robinson, Arthur G., Jackson, Mich., assignor of one thirty-second to R. F. Penton and one thirty-second to C. S. Crosser, East Aurora, N. Y. Fire-protection suit. No. 1,082,213; Dec. 23; Gaz. vol. 197; p. 877.
- Robinson, Arthur G., Buffalo, assignor of one thirty-second to C. S. Crosser and one thirty-second to R. F. Penton, East Aurora, N. Y. Fire-protection suit. No. 1,082,214; Dec. 23; Gaz. vol. 197; p. 878.
- Robinson, Arthur W., Montreal, Quebec, Canada. Hydraulic dredge. No. 1,052,176; Feb. 4; Gaz. vol. 187; p. 116.
- Robinson, Arthur W., Montreal, Quebec, Canada. Ball-joint for discharge-pipes of hydraulic dredges. No. 1,053,648; Feb. 18; Gaz. vol. 187; p. 694.
- Robinson, Arthur W., Montreal, Quebec, Canada. Discharge-pipe for hydraulic dredges. No. 1,055,417; Mar. 11; Gaz. vol. 188; p. 293.
- Robinson, Arthur W., Montreal, Quebec, Canada. Dipper-dredge. No. 1,057,501; Apr. 1; Gaz. vol. 189; p. 36.
- Robinson, Arthur W., Montreal, Quebec, Canada. Hoisting apparatus for dipper-buckets. No. 1,081,774; Dec. 16; Gaz. vol. 197; p. 701.
- Robinson, Carl I. (See Wilson and Robinson.)
- Robinson, Charles C., Fairport, Mo. Holder for fountain-pens, pencils, and the like. No. 1,051,764; Jan. 28; Gaz. vol. 186; p. 932.
- Robinson, Charles H., Deadwood, S. D. Guard for smoking-pipes. No. 1,082,445; Dec. 23; Gaz. vol. 197; p. 958.
- Robinson, Clarence I., West New Brighton, N. Y., assignor to Standard Oil Company, Bayonne, N. J. Apparatus for use in connection with the refining of petroleum. No. 1,057,395; Mar. 25; Gaz. vol. 188; p. 1028.
- Robinson, Claude L., Princeton, Fla. Window-cleaning device. No. 1,054,621; Feb. 25; Gaz. vol. 187; p. 1061.
- Robinson and Company, L. (See Robinson, Louis, assignor.)
- Robinson, Daniel P., Baltimore, Md., assignor, by mesne assignments, to Continental Can Company, Inc. Cans-closing machine. No. 1,070,182; Aug. 12; Gaz. vol. 193; p. 406.
- Robinson, Edward P., Malden, Mass., assignor to Reversible Gas-Engine Company. Controlling device for internal-combustion engines. No. 1,059,317; Apr. 15; Gaz. vol. 189; p. 743.
- Robinson, Edward W., assignor, by mesne assignments, to International Barrel Company, Savannah, Ga. Barrel. No. 1,052,178; Feb. 4; Gaz. vol. 187; p. 116.
- Robinson, Edward W., assignor, by mesne assignments, to International Barrel Company, Savannah, Ga. Barrel. No. 1,058,004; Apr. 1; Gaz. vol. 189; p. 208.
- Robinson, Edward W., Savannah, Ga., and H. P. Feister, Philadelphia, Pa., assignors, by mesne assignments, to International Barrel Company, Savannah, Ga. Barrel-making machine. No. 1,052,177; Feb. 4; Gaz. vol. 187; p. 116.
- Robinson, Eugene N. (See Neilson, John, assignor.)
- Robinson, Frank A., assignor to Underwood Typewriter Company, New York, N. Y. Type-writing machine. No. 1,075,496; Oct. 14; Gaz. vol. 195; p. 341.
- Robinson, Frank W., assignor to The Nolde & Horst Company, Reading, Pa. Vertical-striping attachment for circular-knitting machines. No. 1,077,304; Nov. 4; Gaz. vol. 196; p. 21.
- Robinson, Frank W., assignor to The Nolde & Horst Co., Reading, Pa. Stocking. No. 1,077,370; Nov. 4; Gaz. vol. 196; p. 45.
- Robinson, Frank W., assignor to The Nolde & Horst Co., Reading, Pa. Clocking attachment for circular-knitting machines. No. 1,081,254; Dec. 9; Gaz. vol. 197; p. 489.
- Robinson, Frederick J., Lackawanna, N. Y. Trick-block. No. 1,052,277; Feb. 4; Gaz. vol. 187; p. 149.
- Robinson, Frederick J., Lackawanna, N. Y. Electric switch. No. 1,073,289; Sept. 16; Gaz. vol. 194; p. 627.
- Robinson, George E., Medford, Oreg. Adjustable concealed auto-strap fastener. No. 1,081,152; Dec. 9; Gaz. vol. 197; p. 455.
- Robinson, George W., Portalegre, Portugal. Pulley. No. 1,052,966; Feb. 11; Gaz. vol. 187; p. 416.
- Robinson, Gleeson E., Esher, assignor to The Strand Accessories Company, Limited, London, England. Combined tobacco-receptacle and pipe-filler. No. 1,063,066; May 27; Gaz. vol. 190; p. 962.
- Robinson, Hanson. (See Sherlock and Spengler, assignors.)
- Robinson, Harry B., Muskegon, Mich. Gage-cock. No. 1,063,390; June 3; Gaz. vol. 191; p. 75.
- Robinson, Henry, South Orange, N. J. Vegetable-peeling machine. No. 1,053,319; Feb. 18; Gaz. vol. 187; p. 581.
- Robinson, Henry A. (See Inman and Robinson.)
- Robinson, James K., Little Rock, Ark. Ventilator. No. 1,076,451; Oct. 21; Gaz. vol. 195; p. 697.
- Robinson, James M., Buffalo, N. Y. Gas-burner. No. 1,058,104; Apr. 8; Gaz. vol. 189; p. 287.
- Robinson, John G. (See Lovejoy and Robinson.)
- Robinson, John G., Manchester, England. Steam superheater for locomotive and other smoke-tube boilers. No. 1,077,641; Nov. 4; Gaz. vol. 196; p. 138.
- Robinson, John W. (See Ismay and Robinson.)
- Robinson, Lewis T., and O. Holz, deceased, (M. D. Holz, executrix.) Schenectady, N. Y., assignors to General Electric Company. Electrical measuring instrument. No. 1,057,276; Mar. 25; Gaz. vol. 188; p. 990.

Alphabetical list of patentees—Continued.

- Robinson, Lewis T., and O. Holz, deceased, (M. D. Holz, executrix,) Schenectady, N. Y., assignors to General Electric Company. Electrical measuring instrument. No. 1,073,632; Sept. 23; Gaz. vol. 194; p. 767.
- Robinson, Llewellyn, New York, N. Y. Swimming shoe. No. 1,059,565; Apr. 22; Gaz. vol. 189; p. 866.
- Robinson, Louis, New York, assignor to L. Robinson and Company, Brooklyn, N. Y. Waistband for trousers. No. 1,066,529; July 8; Gaz. vol. 192; p. 247.
- Robinson, Marcus and S., and W. A. Davis, Chico, Tex. Corn and cotton planter. No. 1,076,234; Oct. 21; Gaz. vol. 195; p. 620.
- Robinson, Millard S., Donora, Pa. Clamp. (Reissue.) No. 13,644; Nov. 11; Gaz. vol. 196; p. 501.
- Robinson, Patrick H., assignor to Scovill Manufacturing Company, Waterbury, Conn. Detachable shade-holder for electric lamps. No. 1,078,878; Nov. 18; Gaz. vol. 196; p. 628.
- Robinson, Pearl H. (See Conklin and Robinson.)
- Robinson, Percy, Sudbury, Ontario, Canada. Telephone apparatus for trains. No. 1,069,811; Aug. 12; Gaz. vol. 193; p. 278.
- Robinson, Philip J., Leominster, Mass. Cabinet for disk records. No. 1,082,361; Dec. 23; Gaz. vol. 197; p. 932.
- Robinson, Philip J., Leominster, Mass. Holder for talking-machine records. No. 1,082,705; Dec. 30; Gaz. vol. 197; p. 1083.
- Robinson, Richard D., New York, N. Y. Electric washing-machine. No. 1,059,071; Apr. 15; Gaz. vol. 189; p. 660.
- Robinson, Robert, Roberts, Mont. Lubricator. No. 1,056,371; Mar. 18; Gaz. vol. 188; p. 647.
- Robinson, Robert D., Galesburg, Ill. Splint. No. 1,070,067; Aug. 12; Gaz. vol. 193; p. 365.
- Robinson, Samuel. (See Robinson and Davis.)
- Robinson, Samuel D. (See Miller, Kale, and Robinson.)
- Robinson, Thomas A., Salt Lake City, Utah. Vehicle-tire. No. 1,071,581; Aug. 26; Gaz. vol. 193; p. 950.
- Robinson, Thomas O. (See Kendall and Robinson.)
- Robinson, Thomas S., et al. (See Ames, Joel, assignor.)
- Robinson, William, Boston, Mass. Bicycle. No. 1,067,230; July 8; Gaz. vol. 192; p. 489.
- Robinson, William A. (See Smith, Charles P., assignor.)
- Robinson, William G., Battle Creek, Mich. Collar-holding device. No. 1,079,024; Nov. 18; Gaz. vol. 196; p. 679.
- Robinson, William R., Milton, Oreg. Vehicle-brake. No. 1,049,534; Jan. 7; Gaz. vol. 186; p. 73.
- Robinson, William T. (See Paugh, Benjamin H., assignor.)
- Robinson, William V., Owosso, Mich. Oven-thermometer. No. 1,069,647; Aug. 5; Gaz. vol. 193; p. 191.
- Robinson, William V., Owosso, Mich. Fire-pot. No. 1,071,181; Aug. 26; Gaz. vol. 193; p. 818.
- Robinson, Willis E., Chicago, Ill. Mail-distributing machine. No. 1,072,504; Sept. 9; Gaz. vol. 194; p. 312.
- Robison, Vern G., Riga, Mich. Adjustable hame and trace connector. No. 1,068,451; July 29; Gaz. vol. 192; p. 1012.
- Robison, William N., assignor of one-half to B. Y. Chambliss, Canyon, Tex. Motor-plow. No. 1,068,366; July 22; Gaz. vol. 192; p. 945.
- Robley, Charles J., Milwaukee, Wis. Loose-leaf binder. No. 1,052,179; Feb. 4; Gaz. vol. 187; p. 117.
- Robnett, James H., Albany, Oreg. Projecting-lamp. No. 1,078,167; Nov. 11; Gaz. vol. 196; p. 349.
- Robus, Albert J., assignor to Evens & Howard Fire Brick Company, St. Louis, Mo. Vertical-retort gas apparatus. No. 1,068,452; July 29; Gaz. vol. 192; p. 1013.
- Robus, Albert J., assignor to Evens & Howard Fire Brick Company, St. Louis, Mo. Vertical-retort gas apparatus. No. 1,068,820; July 29; Gaz. vol. 192; p. 1142.
- Roby, Irvine K., Staunton, Va. Cleaning and polishing machine. No. 1,053,320; Feb. 18; Gaz. vol. 187; p. 581.
- Roby, Luther E. (See Pattison and Roby.)
- Roch, Hermann. (See Stein, Johannes, assignor.)
- Rochaix, John, Petit-Saconnex, near Geneva, and I. Anken, Anières, near Geneva, Switzerland. Machine for raking and loading material such as hay and the like. No. 1,076,452; Oct. 21; Gaz. vol. 195; p. 697.
- Rochambeau, Charles E., St. Joseph, Mo. Car-brake. No. 1,052,967; Feb. 11; Gaz. vol. 187; p. 416.
- Roche, Arthur, Newport, R. I. Lunch-box. No. 1,071,797; Sept. 2; Gaz. vol. 194; p. 45.
- Roche, Henry E. A., and C. Roy, Hawkesbury, Ontario, Canada. Adjustable headlight. No. 1,065,726; June 24; Gaz. vol. 191; p. 973.
- Roche, Thomas, Leicester, England. Apparatus for cutting out blanks from sheet material. No. 1,051,265; Jan. 21; Gaz. vol. 186; p. 732.
- Roche, William J., Meadville, Pa., assignor, by mesne assignments to Remington Typewriter Company, Ilion, N. Y. Type-writing machine. No. 1,069,726; Aug. 12; Gaz. vol. 193; p. 249.
- Roche, William T., Early, Iowa. Mail-carrier's box. No. 1,056,941; Mar. 25; Gaz. vol. 188; p. 875.
- Rochester, Harry R., assignor to The Barney and Smith Car Company, Dayton, Ohio. End plate for railway-cars. No. 1,063,600; June 3; Gaz. vol. 191; p. 148.
- Rochford, Thomas H., Dublin, Ireland. Program-indicator. No. 1,057,670; Apr. 1; Gaz. vol. 189; p. 94.
- Rochte, Augustine T., McClure, Ohio. Gasolene-lighting apparatus. No. 1,063,067; May 27; Gaz. vol. 190; p. 962.
- Rochon, Charles, assignor of one-half to D. Pelletier, Fall River, Mass. Window-screen. No. 1,066,420; July 1; Gaz. vol. 192; p. 179.
- Rochwite, August, assignor of one-third to H. W. Brooks, Green Lake, Wis. Bottle-stopper. No. 1,074,293; Sept. 30; Gaz. vol. 194; p. 1020.
- Rock, Charles S. C., New York, N. Y. Double drainage and vent fitting. No. 1,059,907; Apr. 22; Gaz. vol. 189; p. 975.
- Rock, Charles S. C., New York, N. Y. Bath-shower. No. 1,083,141; Dec. 30; Gaz. vol. 197; p. 1229.
- Rock, Hubert J., assignor, by mesne assignments, to Milwaukee Heat Generator Company, Milwaukee, Wis. Folding bakery-rack. No. 1,051,452; Jan. 28; Gaz. vol. 186; p. 830.
- Rock Island Plow Company. (See Downing, Frank J., assignor.)
- Rockeny, Samuel. (See Sollinger and Rockeny.)
- Rockey, Walter S., and H. Eldridge, New York, N. Y., assignors to Metallurgical Research Company. Fusing and purifying metals. No. 1,057,882; Apr. 1; Gaz. vol. 189; p. 167.
- Rockey, Walter S., and H. Eldridge, New York, N. Y., assignors to Metallurgical Research Company. Furnace. No. 1,057,883; Apr. 1; Gaz. vol. 189; p. 167.
- Rockey, Walter S., and H. Eldridge, New York, N. Y., assignors to Metallurgical Research Company. Plating metal. No. 1,065,727; June 24; Gaz. vol. 191; p. 973.
- Rockford Cabinet Company. (See Person, William, assignor.)
- Rockford Drilling Machine Company. (See Milne, Robert, assignor.)
- Rockford Folding Carriage Company. (See Smith, Charles H., assignor.)
- Rockford Lathe & Drill Company. (See Johnson, William B., assignor.)
- Rockhold, Walter R. (See Anderson, Robert D. H., assignor.)
- Rockman, Soren C., Philadelphia, Pa. Steam-turbine. No. 1,080,783; Dec. 9; Gaz. vol. 197; p. 332.
- Rockowitz, Abraham, New York, N. Y. Hose-supporter. No. 1,072,872; Sept. 9; Gaz. vol. 194; p. 443.
- Rockowitz, Abraham, assignor of one-half to L. Margolis, New York, N. Y. Corset-fastener. No. 1,079,921; Nov. 25; Gaz. vol. 196; p. 1020.
- Rockstroh, Charles F., Jr., Richmond Hill, assignor to F. Wesel Manufacturing Company, Brooklyn, N. Y. Printing-plate holder and registering clamp. No. 1,071,349; Aug. 26; Gaz. vol. 193; p. 874.
- Rockwell, Albert F., assignor to The New Departure Manufacturing Company, Bristol, Conn. Forging. No. 1,082,910; Dec. 30; Gaz. vol. 197; p. 1155.
- Rockwell, Charles L., Jersey City, assignor to Rockwell Printing Company, Hoboken, N. J. Desk-pad support. No. 1,053,535; Feb. 18; Gaz. vol. 187; p. 656.
- Rockwell Furnace Company. (See Davis, Edward S., assignor.)
- Rockwell Furniture Company. (See Wise, Henry A., assignor.)
- Rockwell, James D., New York, N. Y. Phonograph-record-disk file. No. 1,060,559; Apr. 29; Gaz. vol. 189; p. 1245.
- Rockwell Printing Company. (See Rockwell, Charles L., assignor.)
- Rockwell, Walter S., New York, N. Y. Preheater and furnace-shield. No. 1,079,266; Nov. 18; Gaz. vol. 196; p. 759.
- Rockwood, George I., Worcester, Mass. Apparatus for operating alarms or other devices. No. 1,051,266; Jan. 21; Gaz. vol. 186; p. 733.
- Rockwood, George I., Worcester, Mass. Pipe-hanger. No. 1,052,278; Feb. 4; Gaz. vol. 187; p. 150.
- Rockwood Sprinkler Company of Massachusetts. (See Marshall, Stephen M., assignor.)
- Rocky Mountain Asphalt Mining and Oil Refining Company, The. (See Murray and McDermid, assignors.)
- Roclawski, Stanislaw I., New York, N. Y. Condiment-holder. No. 1,070,535; Aug. 19; Gaz. vol. 193; p. 569.
- Roco, Albert L. (See Kreiter, Post, Roco, and Layne.)
- Rod, Isaac, Philadelphia, Pa. Combination buckle and hook. No. 1,062,798; May 27; Gaz. vol. 190; p. 873.
- Rodakowski, Zygmunt, Lemberg, Austria-Hungary. Conveying apparatus. No. 1,077,162; Oct. 28; Gaz. vol. 195; p. 995.
- Rodden, Herbert T., assignor of one-third to P. M. Schraut, Chicago, Ill. Vacuum-cleaner. No. 1,074,744; Oct. 7; Gaz. vol. 195; p. 55.
- Roddy, James, Ashland, Wis. Harrow. No. 1,067,065; July 8; Gaz. vol. 192; p. 430.
- Rode, Frank, Jeannette borough, Pa. Vehicle-chock. No. 1,076,152; Oct. 21; Gaz. vol. 195; p. 592.
- Rode, Karl, Crefeld, Germany. Clamping buckle or clasp. No. 1,064,932; June 17; Gaz. vol. 191; p. 668.

Alphabetical list of patentees—Continued.

- Rodeck, Georg C., Pansdorf, near Lübeck, Germany. Public-amusement device. No. 1,081,554; Dec. 16; Gaz. vol. 197; p. 629.
- Rodehaver, Freeman, Greensburg, Pa. Float-valve. No. 1,065,841; June 24; Gaz. vol. 191; p. 1011.
- Rodehaver, Freeman, Greensburg, Pa. Saw. No. 1,066,659; July 8; Gaz. vol. 192; p. 293.
- Rodek, Botho. (See Taylor and Rodek.)
- Rodenhi, Jesse S., New York, N. Y. Carbon binder and filler. No. 1,049,602; Jan. 7; Gaz. vol. 186; p. 98.
- Roderick, Harry L., Oroville, and L. T. McCutcheon, Santa Cruz, Cal. Means for controlling doors and steps of cars. No. 1,057,010; Mar. 25; Gaz. vol. 188; p. 899.
- Roderick, William S., and A. J. Warner, Durham, N. C. Cotton-chopper. No. 1,056,123; Mar. 18; Gaz. vol. 188; p. 565.
- Rodes, Joseph H. (See Baskett and Rodes.)
- Rodes, William O., *et al.* (See Thomas, Martin E., assignor.)
- Rodger Ballast Car Company. (See Fitts, Charles F., assignor.)
- Rodger Ballast Car Company. (See Yost, Winfield H., assignor.)
- Rodgers, Ashmead G., assignor to The Carborundum Company, Niagara Falls, N. Y. Drill-sharpening attachment for grinding-machines. No. 1,052,968; Feb. 11; Gaz. vol. 187; p. 417.
- Rodgers, Ashmead G., assignor to The Carborundum Company, Niagara Falls, N. Y. Grinding-machine. No. 1,055,081; Mar. 4; Gaz. vol. 188; p. 146.
- Rodgers, Ashmead G., assignor to The Carborundum Company, Niagara Falls, N. Y. Knife-stone. No. 1,059,566; Apr. 22; Gaz. vol. 189; p. 866.
- Rodgers, Ashmead G., assignor to The Carborundum Company, Niagara Falls, N. Y. Scissors-sharpening attachment for grinding-machines. No. 1,063,391; June 3; Gaz. vol. 191; p. 75.
- Rodgers, Charles B., and J. A. Brennan, Bordentown, N. J. Trolley-pole retriever. No. 1,077,558; Nov. 4; Gaz. vol. 196; p. 111.
- Rodgers, James H., and W. J. Spence, Hamilton, Ontario, Canada. Tripping device for power-presses. No. 1,075,671; Oct. 14; Gaz. vol. 195; p. 400.
- Rodgers, Robert B. (See Goeth, Rodgers, and Dittmar.)
- Rodkey, Jesse E., and E. C. Farrar, Axtell, Kans.; said Rodkey assignor to R. K. Farrar. Program-clock. No. 1,051,765; Jan. 28; Gaz. vol. 186; p. 933.
- Rodman Chemical Company. (See Rodman, Hugh, assignor.)
- Rodman, Ezra B., Jackson, Miss. Box or bag grab. No. 1,082,446; Dec. 23; Gaz. vol. 197; p. 958.
- Rodman, George E., Sunnyside, Wash. Fastener for ledger-plates. No. 1,075,271; Oct. 7; Gaz. vol. 195; p. 237.
- Rodman, Hugh, Pittsburgh, assignor, by mesne assignments, to The Electric Storage Battery Company, Philadelphia, Pa. Battery-separator. No. 1,051,637; Jan. 28; Gaz. vol. 186; p. 892.
- Rodman, Hugh, Pittsburgh, assignor, by mesne assignments, to The Electric Storage Battery Company, Philadelphia, Pa. Secondary-battery separator. No. 1,051,638; Jan. 28; Gaz. vol. 186; p. 892.
- Rodman, Hugh, Edgewood, Pa., assignor to Rodman Chemical Company. Case-hardening material. No. 1,076,235; Oct. 21; Gaz. vol. 195; p. 620.
- Rodman, Hugh, Edgewood, Pa., assignor to Rodman Chemical Company. Making case-hardening material. No. 1,076,453; Oct. 21; Gaz. vol. 195; p. 698.
- Rodrigues, Manuel R., New York, N. Y. Protective covering for attachment-plugs. (Reissue.) No. 1,353,535; Feb. 25; Gaz. vol. 187; p. 1076.
- Rodrigues, Manuel R., Brooklyn, N. Y. Magnetically-operated tripping device. No. 1,061,326; May 13; Gaz. vol. 190; p. 297.
- Rodriguez, Vincente L., Douglas, Ariz. Flying-machine. No. 1,061,870; May 13; Gaz. vol. 190; p. 480.
- Rodwell, George J. B., assignor to Rodwell Sign Company, Buffalo, N. Y. Sign. No. 1,076,519; Oct. 21; Gaz. vol. 195; p. 720.
- Rodwell Sign Company. (See Rodwell, George J. B., assignor.)
- Rodwick, Ernest C., Ukiah, Cal. Sash-holder. No. 1,061,128; May 6; Gaz. vol. 190; p. 196.
- Roe, Albert, Beaver township, Noble county, Ohio. Hand-machine to undermine coal. No. 1,062,854; May 27; Gaz. vol. 190; p. 892.
- Roe, Ernest S., assignor to Markham Rifle Company, Plymouth, Mich. Air-gun. No. 1,062,855; May 27; Gaz. vol. 190; p. 893.
- Roe, Ernest S., assignor to Markham Air Rifle Company, Plymouth, Mich. Air-gun. No. 1,080,170; Dec. 2; Gaz. vol. 197; p. 88.
- Roe, Jackson M., assignor of one-half to J. Alexander, Sunnyside, Wash. Nut-lock. No. 1,055,228; Mar. 4; Gaz. vol. 188; p. 191.
- Roe, Jackson M., assignor of one-half to O. W. Crider, Sunnyside, Wash. Lock-nut. No. 1,070,844; Aug. 19; Gaz. vol. 193; p. 672.
- Roe, James P., Pottstown, Pa. Recuperator for oscillating furnaces. No. 1,064,933; June 17; Gaz. vol. 191; p. 668.
- Roe, John R., Rupert, Idaho. Weed-destroying machine. No. 1,073,780; Sept. 23; Gaz. vol. 194; p. 820.
- Roebuck, Alvah C., assignor to The Enterprise Optical Mfg. Company, Chicago, Ill. Kinetoscope. No. 1,055,492; Mar. 11; Gaz. vol. 188; p. 318.
- Roebuck, Alvah C., assignor to The Enterprise Optical Mfg. Company, Chicago, Ill. Optical projecting apparatus. No. 1,060,128; Apr. 29; Gaz. vol. 189; p. 1093.
- Roebuck, Alvah C., assignor to The Enterprise Optical Mfg. Company, Chicago, Ill. Optical projecting apparatus. No. 1,064,010; June 10; Gaz. vol. 191; p. 322.
- Roed, Olaf A., Minneapolis, Minn. Carousel. No. 1,065,470; June 24; Gaz. vol. 191; p. 886.
- Roedde, Gustav A., Vancouver, British Columbia, Canada. Magazine-binder. No. 1,051,453; Jan. 28; Gaz. vol. 186; p. 830.
- Roedding, Edward B. and G. E., Detroit, Mich. Vehicle-signal. No. 1,080,589; Dec. 9; Gaz. vol. 197; p. 265.
- Roedding, Gordon E. (See Roedding, Edward B. and G. E.)
- Roedel, Arthur J., Cincinnati, Ohio. Machine for wrapping candy. No. 1,072,505; Sept. 9; Gaz. vol. 194; p. 312.
- Roedell, William A. (See Macdonald and Roedell.)
- Roeder, Daniel F., assignor to J. P. Rollo, Streator, Ill. Pencil. No. 1,068,367; July 22; Gaz. vol. 192; p. 945.
- Roeder, Henry, Longmont, Colo. Collar attachment. No. 1,073,710; Sept. 23; Gaz. vol. 194; p. 798.
- Roeger, Harry L. (See Kreitlein and Roeger.)
- Roehrich, Frank N. (See Carroll and Roehrich.)
- Roehrich, Frank N. (See Klenke and Roehrich.)
- Roemer, Fritz. (See Hepp, Uhlenhuth, and Roemer.)
- Roemer, George W., and C. Priester, assignors of one-third to P. Sipchen, Chicago, Ill. Rail-fastening. No. 1,078,555; Nov. 11; Gaz. vol. 196; p. 482.
- Roerig, George, assignor to Atlanta Paper Company, Atlanta, Ga. Collapsible flexible box. No. 1,055,799; Mar. 11; Gaz. vol. 188; p. 421.
- Roesel, Frederick V., *et al.* (See Brooks, William S., assignor.)
- Roesler, Frank J. (See Gleason, Edward D., assignor.)
- Roessler, Amandus C., Mineola, and W. A. Armstrong, New York, N. Y., assignors to Bay State Gas Company (Delaware). Gas system. No. 1,055,657; Mar. 11; Gaz. vol. 188; p. 372.
- Roessler & Hasslacher Chemical Co., The. (See Carveth. Hector R., assignor.)
- Roessler & Hasslacher Chemical Co., The. (See Foersterling, Hans, assignor.)
- Roessler & Hasslacher Chemical Co., The. (See Liebknecht, Otto, assignor.)
- Roethlisberger, Albert R., Cleveland, Ohio. Sanitary drinking-fountain. No. 1,079,441; Nov. 25; Gaz. vol. 196; p. 849.
- Roever, Julius, New York, N. Y. Multiple phonograph. No. 1,049,923; Jan. 7; Gaz. vol. 186; p. 204.
- Roever, Julius, New York, N. Y. Multiple phonograph. No. 1,072,873; Sept. 9; Gaz. vol. 194; p. 443.
- Roever, Julius, New York, N. Y. Boat-davit. No. 1,076,454; Oct. 21; Gaz. vol. 195; p. 698.
- Rogalski, Anthony, St. Louis, Mo. Lace-curtain stretcher. No. 1,073,290; Sept. 16; Gaz. vol. 194; p. 628.
- Roger, George, Warrington, England. Beaming or mounting weft pile fabrics during the cutting of the pile thereof. No. 1,066,950; July 8; Gaz. vol. 192; p. 393.
- Rogers, Anderson L., assignor of one-half to J. E. Gilbert, Carbon, Tex. Plow. No. 1,051,516; Jan. 28; Gaz. vol. 186; p. 852.
- Rogers, Bryson. (See Mansfield and Rogers.)
- Rogers, Charles E., Detroit, Mich. Sealing metal cans. No. 1,070,735; Aug. 19; Gaz. vol. 193; p. 636.
- Rogers, Charles E., Detroit, Mich. Sealing metal cans. No. 1,070,736; Aug. 19; Gaz. vol. 193; p. 637.
- Rogers, Charles W., assignor to The Mathis Brothers Company, Chicago, Ill. Impulse-fan. No. 1,075,120; Oct. 7; Gaz. vol. 195; p. 183.
- Rogers, Curtis E., assignor of one-half to G. E. Stuart, Logan, W. Va. Adjustable shoe for mining-machines. No. 1,052,517; Feb. 11; Gaz. vol. 187; p. 262.
- Rogers, David J., assignor of one-half to W. G. Stewart, St. Louis, Mo. Combined bench and seesaw. No. 1,066,846; July 8; Gaz. vol. 192; p. 357.
- Rogers, Edith J., *et al.* (See Rogers, George O., assignor.)
- Rogers, Edmund, Glenville, Conn. Rail-joint. No. 1,060,289; Apr. 29; Gaz. vol. 189; p. 1150.
- Rogers, Edward, New York, N. Y. Runner for vehicle-wheels. No. 1,062,360; May 20; Gaz. vol. 190; p. 688.
- Rogers, Edward E., Highfield, Four Oaks, England. Safety-razor. No. 1,072,506; Sept. 9; Gaz. vol. 194; p. 313.
- Rogers, Frank R. (See Vallone and Rogers.)
- Rogers, Frederick W., assignor to Malleable Iron Range Company, Beaver Dam, Wis. Welding dissimilar metals. No. 1,056,061; Mar. 18; Gaz. vol. 188; p. 543.
- Rogers, George A., Chicago, Ill. Optical instrument. No. 1,070,631; Aug. 19; Gaz. vol. 193; p. 601.
- Rogers, George L., assignor to Henry Disston & Sons File Company, Philadelphia, Pa. Brush. No. 1,078,556; Nov. 11; Gaz. vol. 196; p. 483.

Alphabetical list of patentees—Continued.

Rogers, George O., assignor of one-third to H. E. Rogers and one-third to E. J. Rogers, St. Louis, Mo. Flexible revetment. No. 1,071,091; Aug. 26; Gaz. vol. 193; p. 788.

Rogers, George W. (See Hill, Joshua A., assignor.)

Rogers, George W., Kendallville, Ind. Clothes-rack. No. 1,051,766; Jan. 28; Gaz. vol. 186; p. 934.

Rogers, Harry E., *et al.* (See Rogers, George O., assignor.)

Rogers, Henry A., Pagosa Junction, Colo. Aquarium attachment. No. 1,055,082; Mar. 4; Gaz. vol. 188; p. 147.

Rogers, Henry C., Kremmling, Colo. Automatic headlight-adjuster for locomotives. No. 1,056,942; Mar. 25; Gaz. vol. 188; p. 876.

Rogers, James, Chicago, Ill. Sun-shade support. No. 1,070,068; Aug. 12; Gaz. vol. 193; p. 365.

Rogers, John E., Urbana, Ill. Fastener for shoe-sole spike-plates. No. 1,055,229; Mar. 4; Gaz. vol. 188; p. 191.

Rogers, John E., Urbana, Ill. Shoe-lace attachment. No. 1,061,780; May 13; Gaz. vol. 190; p. 452.

Rogers, John J., Great Barrington, Mass. Door-securer. No. 1,057,277; Mar. 25; Gaz. vol. 188; p. 990.

Rogers, John R., Brooklyn, N. Y., assignor to Mergenthaler Linotype Company. Typographical machine. No. 1,053,440; Feb. 18; Gaz. vol. 187; p. 623.

Rogers, John R., Brooklyn, N. Y., assignor to Mergenthaler Linotype Company. Typographical machine. No. 1,057,455; Apr. 1; Gaz. vol. 189; p. 21.

Rogers, John R., Brooklyn, N. Y., assignor to Mergenthaler Linotype Company. Line-casting machine. No. 1,067,552; July 15; Gaz. vol. 192; p. 634.

Rogers, John R., Brooklyn, N. Y., assignor to Mergenthaler Linotype Company. Typographical composing-machine. No. 1,067,553; July 15; Gaz. vol. 192; p. 634.

Rogers, John R., Brooklyn, N. Y., assignor to Mergenthaler Linotype Company. Typographical composing-machine. No. 1,071,582; Aug. 26; Gaz. vol. 193; p. 950.

Rogers, John R., Brooklyn, N. Y., assignor to Mergenthaler Linotype Company. Line-casting machine. No. 1,072,037; Sept. 2; Gaz. vol. 194; p. 126.

Rogers, John R., Brooklyn, N. Y., assignor to Mergenthaler Linotype Company. Typographical composing-machine. No. 1,072,653; Sept. 9; Gaz. vol. 194; p. 364.

Rogers, John R., Brooklyn, N. Y., assignor to Mergenthaler Linotype Company. Typographical machine. No. 1,073,170; Sept. 16; Gaz. vol. 194; p. 585.

Rogers, John R., Brooklyn, N. Y., assignor to Mergenthaler Linotype Company. Typographical composing-machine. No. 1,074,980; Oct. 7; Gaz. vol. 195; p. 132.

Rogers, John R., Brooklyn, N. Y., assignor to Mergenthaler Linotype Company. Typographical composing-machine. No. 1,076,064; Oct. 21; Gaz. vol. 195; p. 562.

Rogers, John R., Brooklyn, N. Y., assignor to Mergenthaler Linotype Company. Line-casting machine. No. 1,077,642; Nov. 4; Gaz. vol. 196; p. 138.

Rogers, Joseph, North Vernon, Ind. Railway-tie. No. 1,064,543; June 10; Gaz. vol. 191; p. 505.

Rogers, Joseph L., Kansas City, Mo. Trolley-pole. No. 1,054,243; Feb. 25; Gaz. vol. 187; p. 933.

Rogers, Leo L., Boston, Mass., assignor to Standard Auto Spring Wheel Company, Phoenix, Ariz. Vehicle-wheel. No. 1,051,517; Jan. 28; Gaz. vol. 186; p. 853.

Rogers, Marshall C., Williams, Cal. Box-cover fastener and reinforcement. No. 1,057,671; Apr. 1; Gaz. vol. 189; p. 95.

Rogers, Marshall C., Williams, Cal. Resilient tire. No. 1,064,381; June 10; Gaz. vol. 191; p. 448.

Rogers, Nelson W. (See Hewitt and Rogers.)

Rogers, Oscar H., Yonkers, N. Y., and H. C. Macdonald, Bayonne, N. J.; said Macdonald assignor to said Rogers. Sphygmomanometer. No. 1,063,287; June 3; Gaz. vol. 191; p. 41.

Rogers, Ovid H. (See Cook, James L., assignor.)

Rogers, Owen A., Berlin, Germany, assignor to Edison Storage Battery Company, West Orange, N. J. Electrical connector and making same. No. 1,078,751; Nov. 18; Gaz. vol. 196; p. 583.

Rogers, Robert H., Schenectady, N. Y., assignor to General Electric Company. Coupling. No. 1,065,969; July 1; Gaz. vol. 192; p. 23.

Rogers, Robert H., Schenectady, N. Y., assignor to General Electric Company. Transfer-terminal. No. 1,077,754; Nov. 4; Gaz. vol. 196; p. 176.

Rogers, Russell N., assignor, by mesne assignments, to J. B. Hall and J. S. Duncan, Chicago, Ill. Addressing-machine. No. 1,077,755; Nov. 4; Gaz. vol. 196; p. 176.

Rogers, Thomas F., *et al.* (See Ferguson, Lyman H., assignor.)

Rogers, Walter B., Knoxville, Tenn. Sander. No. 1,050,173; Jan. 14; Gaz. vol. 186; p. 324.

Rogers, Walter B., Knoxville, Tenn. Sander. No. 1,050,174; Jan. 14; Gaz. vol. 186; p. 324.

Rogers, Walter B., Knoxville, Tenn. Sander. No. 1,068,080; July 22; Gaz. vol. 192; p. 846.

Rogers, Walter B., Knoxville, Tenn. Track-sander. No. 1,074,207; Sept. 30; Gaz. vol. 194; p. 992.

Rogers, Walter G., Lincoln, Nebr. Pencil-sharpener. No. 1,055,230; Mar. 4; Gaz. vol. 188; p. 192.

Rogers, William, *et al.* (See Kleckner, Harry T., assignor.)

Rogers, William R., Newark, N. J. Marking device. No. 1,057,456; Apr. 1; Gaz. vol. 189; p. 21.

Rogers, William S., Newport, R. I. Boat-chock. No. 1,068,276; July 22; Gaz. vol. 192; p. 914.

Rogers, Winfield S., Bantam, Conn. Hanger-box. No. 1,078,696; Nov. 18; Gaz. vol. 196; p. 564.

Rogerson, Albert C., assignor of one-half to A. F. Halstead, Manchester, England. Formation of stay-heads used in locomotive fire-boxes, &c. No. 1,050,232; Jan. 14; Gaz. vol. 186; p. 343.

Rozez, Louis, Lille, France. Hydraulic testing-machine. No. 1,057,502; Apr. 1; Gaz. vol. 189; p. 36.

Rohan, James J., assignor to Missouri Gas Heater and Appliance Company, St. Louis, Mo. Combined water-heater and steam-generator. No. 1,072,874; Sept. 9; Gaz. vol. 194; p. 444.

Rohan, Phil, St. Louis, Mo. Boiler. No. 1,069,184; Aug. 5; Gaz. vol. 193; p. 33.

Rohde, Ulrich E., Rock Rapids, Iowa. Towel-delivery machine. No. 1,070,536; Aug. 19; Gaz. vol. 193; p. 570.

Rohde, Ulrich E., Rock Rapids, Iowa. Sanitary-cloth-towel machine. No. 1,070,737; Aug. 19; Gaz. vol. 193; p. 637.

Rohe, Forstman. (See Rohe, Samuel, F., and L. H. F.)

Rohe, John B., Templeton, Iowa. Fence-post. No. 1,065,471; June 24; Gaz. vol. 191; p. 887.

Rohe, Louis H. F. (See Rohe, Samuel, F., and L. H. F.)

Rohe, Samuel, F., and L. H. F., Kenmare, N. D. Device for extracting traction-wheels from holes. No. 1,067,940; July 22; Gaz. vol. 192; p. 798.

Rohlfing, John M., St. Louis, Mo., assignor to Wolff Truck Frame Company, Chicago, Ill. Car-truck side frame and journal-box. No. 1,050,848; Jan. 21; Gaz. vol. 186; p. 590.

Rohlfing, John M., assignor to American Car and Foundry Company, St. Louis, Mo. Bolster. No. 1,052,754; Feb. 11; Gaz. vol. 187; p. 341.

Rohlfing, John M., assignor to American Car and Foundry Company, St. Louis, Mo. Side bearing. No. 1,056,943; Mar. 25; Gaz. vol. 188; p. 876.

Rohlfing, John M., assignor to American Car and Foundry Company, St. Louis, Mo. Car-truck bolster. No. 1,059,072; Apr. 15; Gaz. vol. 189; p. 660.

Rohlfing, John M., assignor to American Car and Foundry Company, St. Louis, Mo. Car-underframe. No. 1,061,501; May 13; Gaz. vol. 190; p. 357.

Rohlfing, John M., assignor to American Car and Foundry Company, St. Louis, Mo. Draft-gear. No. 1,066,530; July 8; Gaz. vol. 192; p. 247.

Rohlfing, John M., assignor to American Car and Foundry Company, St. Louis, Mo. Car end frame. No. 1,066,531; July 8; Gaz. vol. 192; p. 248.

Rohlfing, John M., assignor to American Car and Foundry Company, St. Louis, Mo. Underframe. No. 1,066,532; July 8; Gaz. vol. 192; p. 248.

Rohlfing, John M., assignor to American Car and Foundry Company, St. Louis, Mo. Cross-bearer. No. 1,066,533; July 8; Gaz. vol. 192; p. 249.

Rohlfing, John M., assignor to American Car and Foundry Company, St. Louis, Mo. Bolster. No. 1,066,534; July 8; Gaz. vol. 192; p. 249.

Rohlfing, John M., assignor to American Car and Foundry Company, St. Louis, Mo. Draw-bar carry-iron. No. 1,074,745; Oct. 7; Gaz. vol. 195; p. 55.

Rohlfing, John M., assignor to American Car and Foundry Company, St. Louis, Mo. Railway-car end construction. No. 1,074,746; Oct. 7; Gaz. vol. 195; p. 55.

Rohlfing, John M., assignor to American Car and Foundry Company, St. Louis, Mo. Underframe. No. 1,078,309; Nov. 11; Gaz. vol. 196; p. 400.

Rohlfing, John M., assignor to American Car and Foundry Company, St. Louis, Mo. Underframe. No. 1,078,310; Nov. 11; Gaz. vol. 196; p. 401.

Rohlman, F. P., *et al.* (See Kintz, Jerome J., assignor.)

Rohlman, W. J., *et al.* (See Kintz, Jerome J., assignor.)

Röhm, Otto, Darmstadt, Germany. Depilating and reducing hides and skins. No. 1,082,911; Dec. 30; Gaz. vol. 197; p. 1155.

Rohr, Otto P., Seattle, Wash. Combined hydraulic motor and pump. No. 1,057,777; Apr. 1; Gaz. vol. 189; p. 129.

Rohr, Otto P., Seattle, Wash. Combined pump and ram. No. 1,057,778; Apr. 1; Gaz. vol. 189; p. 130.

Rohrbacher, William, Charleston, W. Va. Reversible steam-turbine. No. 1,058,388; Apr. 8; Gaz. vol. 189; p. 386.

Rohrdantz, Henry, assignor to W. C. Contant and W. C. Ellison, Buffalo, N. Y. Bottle-cover. No. 1,076,999; Oct. 28; Gaz. vol. 195; p. 944.

Rohrer, Darius B., Fairbanks, Tex. Combined plow and harrow. No. 1,076,520; Oct. 21; Gaz. vol. 195; p. 721.

Rohrer, Harrison R., Orwigsburg, Pa. Combination advertising and smoking device. No. 1,070,537; Aug. 19; Gaz. vol. 193; p. 570.

Rohrer, Oscar A., assignor of one-half to J. H. Shutt, Waverly, Ill. Suction cleaning-machine. No. 1,053,649; Feb. 18; Gaz. vol. 187; p. 694.

Roick, Hubert, Altdamm, Germany. Band-saw guide. No. 1,069,032; July 29; Gaz. vol. 192; p. 1213.

Alphabetical list of patentees—Continued.

- Rojas, Floricel A., Providence, R. I. Adjustable hat-pin. No. 1,062,417; May 20; Gaz. vol. 190; p. 707.
- Rojohn, Henry F., and W. Dick, Greenock, Pa. Firing mechanism. No. 1,062,418; May 20; Gaz. vol. 190; p. 707.
- Rolf, Frank A. (See Bräutigam, Josef, assignor.)
- Rolfes, William C. (See Huntoon, Rolfes, and Wright.)
- Rolfs, Robert G. H., West Bend, Wis. Cigar-tip. No. 1,070,845; Aug. 19; Gaz. vol. 193; p. 672.
- Roller, Frank W., East Orange, N. J., assignor to Roller-Smith Company. Electrical measuring instrument. No. 1,050,563; Jan. 14; Gaz. vol. 186; p. 459.
- Roller, Frank W., East Orange, N. J., assignor to Roller-Smith Company. Electrical measuring instrument. No. 1,050,694; Jan. 14; Gaz. vol. 186; p. 501.
- Roller Polisher Company. (See Seymour, Horace A., assignor.)
- Roller Smith Co. (See Scheeffer, Gustave A., assignor.)
- Roller-Smith Company. (See Badeau, Charles C., assignor.)
- Roller-Smith Company. (See Roller, Frank W., assignor.)
- Rollings, Alex W., J. H. Sweeney, O. T. Nelson, and T. T. Trentham, Montgomery, Ala. Railway-switch. No. 1,071,798; Sept. 2; Gaz. vol. 194; p. 45.
- Rollins, Fred H., near Sugar Grove, Blackberry township, Kane county, assignor of one-half to M. H. Snow, Blackberry township, Ill. Corn-harvesting machine. No. 1,049,399; Jan. 7; Gaz. vol. 186; p. 28.
- Rollins, Fred H., Kirkland, and M. H. Snow, Blackberry township, Kane county, Ill. Corn-harvesting machine. No. 1,049,400; Jan. 7; Gaz. vol. 186; p. 28.
- Rollins, Fred H., Kirkland, and M. H. Snow, Blackberry township, Kane county, Ill. Corn-harvesting machine. No. 1,049,401; Jan. 7; Gaz. vol. 186; p. 29.
- Rollins, George E., Brockton, Mass. Machine for preparing insoles. No. 1,072,168; Sept. 2; Gaz. vol. 194; p. 171.
- Rollins, George L., Bridgewater, Mass., assignor to United Shoe Machinery Company, Paterson, N. J. Heel-blackening machine. No. 1,056,454; Mar. 18; Gaz. vol. 188; p. 677.
- Rollins, George L., Bridgewater, assignor to W. H. McElwain Company, Boston, Mass. Rib-trimming machine for innersoles. No. 1,070,069; Aug. 12; Gaz. vol. 193; p. 365.
- Rollins, George W., *et al.* (See Kistler, John T., assignor.)
- Rollman, Michael A., Mount Joy, Pa. Food-chopper. No. 1,068,821; July 29; Gaz. vol. 192; p. 1142.
- Rollo, James P. (See Roeder, Daniel F., assignor.)
- Rollwing, Georg, Hanover, Germany, assignor to H. H. C. Schnelle, Wheeling, W. Va. Faucet. No. 1,080,369; Dec. 2; Gaz. vol. 197; p. 159.
- Rolston, John. (See Lane and Rolston.)
- Rolston, Walter F., assignor to Burson Manufacturing Company, Rockford, Ill. Knitting machine. No. 1,072,365; Sept. 2; Gaz. vol. 194; p. 235.
- Romain, Burchard P., Newark, assignor to Weston Electrical Instrument Company, Waverly Park, N. J. Synchronizing alternating-current generators. No. 1,057,278; Mar. 25; Gaz. vol. 188; p. 991.
- Roman, Charles A., Hydro, assignor of one-half to L. L. Brown, Butler, Okla. Device for controlling the growth of cotton-plants. No. 1,055,231; Mar. 4; Gaz. vol. 188; p. 192.
- Romano, Nicholas, assignor, by mesne assignments, to The Graphite Lubricating Company, Boundbrook, N. J. Oil-less spindle. No. 1,075,858; Oct. 14; Gaz. vol. 195; p. 463.
- Rombacher Hüttenwerke. (See Schemmann and Bronn, assignors.)
- Rombauer, Marion T., Novinger, Mo. Screening and separating apparatus. No. 1,051,267; Jan. 21; Gaz. vol. 186; p. 733.
- Rome Wire Company. (See Traxel, Charles E., assignor.)
- Romel, Oscar, trustee. (See Folger and Comstock, assignors.)
- Romeo, Pasquale, Rome, Italy, assignor to The Surgical Supply Importing Company, New York, N. Y. Curette. No. 1,080,929; Dec. 9; Gaz. vol. 197; p. 384.
- Romer, Waldemar von. (See Sokolowski, Witold von, assignor.)
- Romer, William H., H. Wimmers, and S. Ranley, St. Henry, Ohio. Storm-top for vehicles. No. 1,051,916; Feb. 4; Gaz. vol. 187; p. 23.
- Romeyn, Jean, Brussels, Belgium. Starting valve-gear for internal-combustion motors. No. 1,073,633; Sept. 23; Gaz. vol. 194; p. 767.
- Romine, John W., assignor of one-half to The Greening Nursery Company, Monroe, Mich. Tractor. No. 1,064,774; June 17; Gaz. vol. 191; p. 618.
- Rommel, August, Garssen, near Celle, Germany. Artificial-stone composition for building and like purposes. No. 1,083,142; Dec. 30; Gaz. vol. 197; p. 1229.
- Rommes, Paul, Pittsburg, Kans. Fastening for hitching-straps. No. 1,071,583; Aug. 26; Gaz. vol. 193; p. 951.
- Ronan, Andrew J., Albany, N. Y. Removable ridge-floor for vehicles. No. 1,066,054; July 1; Gaz. vol. 192; p. 53.
- Rónay, Árpád, assignor to Allgemeine Briquetierungs-Gesellschaft m. b. H., Berlin, Germany. Briqueting and pressing fuels. No. 1,052,093; Feb. 4; Gaz. vol. 187; p. 86.
- Ronceray, Eugene, assignor to Societe Anonyme des Etablissements Ph. Bonvillain & E. Ronceray, Paris, France. Apparatus for forming sand molds. No. 1,070,293; Aug. 12; Gaz. vol. 193; p. 444.
- Ronchetti, Joseph A., Woonsocket, R. I., assignor, by mesne assignments, to The Noiseless Typewriter Company, Middletown, Conn. Escapement mechanism for type-writing machines. No. 1,049,767; Jan. 7; Gaz. vol. 186; p. 153.
- Ronchetti, Joseph A., Woonsocket, R. I., assignor, by mesne assignments, to The Noiseless Typewriter Company, Middletown, Conn. Type-writing machine. No. 1,049,768; Jan. 7; Gaz. vol. 186; p. 153.
- Ronchetti, Joseph A., Woonsocket, R. I., assignor, by mesne assignments, to The Noiseless Typewriter Company, Middletown, Conn. Type-writing machine. No. 1,053,065; Feb. 11; Gaz. vol. 187; p. 449.
- Ronchetti, Joseph A., Woonsocket, R. I., assignor, by mesne assignments, to The Noiseless Typewriter Company, Middletown, Conn. Type-writing machine. No. 1,077,941; Nov. 4; Gaz. vol. 196; p. 241.
- Ronchetti, Joseph A., Woonsocket, R. I., assignor, by mesne assignments, to The Noiseless Typewriter Company, Middletown, Conn. Type-writing machine. No. 1,082,556; Dec. 30; Gaz. vol. 197; p. 1030.
- Ronconi, Domenico, Eveleth, Minn. Wheel-tire. No. 1,050,297; Jan. 14; Gaz. vol. 186; p. 366.
- Ronda, Stanislaw, Erie, Pa. Creasing device for trousers. No. 1,083,032; Dec. 30; Gaz. vol. 197; p. 1194.
- Ronda, Steve, Detroit, Mich. Thread and twine cutting device. No. 1,073,522; Sept. 16; Gaz. vol. 194; p. 707.
- Rondeau, René, assignor to Société Fermière de l'Automatique Ducasble, Paris, France. Pneumatic tire. No. 1,079,515; Nov. 25; Gaz. vol. 196; p. 876.
- Rone, James F., Ethel, Miss. Back-band and trace hook. No. 1,053,441; Feb. 18; Gaz. vol. 187; p. 624.
- Rood, Charles W., Grand Rapids, Wis. Excavating-machine. No. 1,057,457; Apr. 1; Gaz. vol. 189; p. 21.
- Rood, Lloyd V., Marietta, Ohio. Filter. No. 1,069,476; Aug. 5; Gaz. vol. 193; p. 137.
- Rood, William C., Chicago, Ill. Game. No. 1,055,083; Mar. 4; Gaz. vol. 188; p. 147.
- Roof, Hugh H., Biloxi, Miss. Tilting gate. No. 1,062,928; May 27; Gaz. vol. 190; p. 917.
- Rook, William H., Jr., assignor to G. R. Hill, Akron, Ohio. Sewer-pipe section. No. 1,063,218; June 3; Gaz. vol. 191; p. 17.
- Rook, William T., Leedey, Okla. Mail-bag catching and delivering mechanism. No. 1,060,632; May 6; Gaz. vol. 190; p. 23.
- Rooke, Michael, Handsworth, Birmingham, England. Continuous-wire-drawing machine. No. 1,062,036; May 20; Gaz. vol. 190; p. 578.
- Rookwood Pottery Company, The. (See McDonald, William P., assignor.)
- Rooney, Amelia I., Pittsburgh, Pa. Shoe-polishing box. No. 1,079,606; Nov. 25; Gaz. vol. 196; p. 909.
- Rooney, Edwin A., Fairhaven, assignor to The Whitin Machine Works, Whitinsville, Mass. Top-comb cleaner. No. 1,074,294; Sept. 30; Gaz. vol. 194; p. 1021.
- Rooney, Elwin H., assignor to The Whitin Machine Works, Whitinsville, Mass. Drawing-frame. No. 1,053,224; Feb. 18; Gaz. vol. 187; p. 547.
- Rooney, Elwin H., assignor to The Whitin Machine Works, Whitinsville, Mass. Machine for working cotton waste. No. 1,061,327; May 13; Gaz. vol. 190; p. 297.
- Rooney, Luke H., New Bedford, assignor to The Whitin Machine Works, Whitinsville, Mass. Spinning-frame tool. No. 1,075,602; Oct. 14; Gaz. vol. 195; p. 378.
- Rooney, Patrick J., Broughton, Pa. Lantern. No. 1,062,037; May 20; Gaz. vol. 190; p. 578.
- Roop, Joseph, Frankfort, Ind. Tie-strap. No. 1,077,559; Nov. 4; Gaz. vol. 196; p. 111.
- Roos, Robert, Chicago, Ill. Apparatus for treating butter. No. 1,060,633; May 6; Gaz. vol. 190; p. 24.
- Roose, Chauncey A., Atlanta, Nebr. Silo. No. 1,062,256; May 20; Gaz. vol. 190; p. 653.
- Roost, Richard, Chicago, Ill., assignor to The American Laundry Machinery Company, Cincinnati, Ohio. Drying-tumbler. No. 1,075,382; Oct. 14; Gaz. vol. 195; p. 302.
- Root, Albert F., Red Fork, Okla. Cotton-chopper. No. 1,075,672; Oct. 14; Gaz. vol. 195; p. 400.
- Root, Charles M., assignor to Penn Surgical Manufacturing Company, Philadelphia, Pa. Stethoscope. No. 1,061,963; May 13; Gaz. vol. 190; p. 511.
- Root, Frank T., York, Pa., and G. A. Ensign, assignors to Defiance Machine Works, Defiance, Ohio. Bending-machine. No. 1,050,695; Jan. 14; Gaz. vol. 186; p. 501.
- Root, Henrietta E., San Pedro, Cal. Nursery-table. No. 1,059,908; Apr. 22; Gaz. vol. 189; p. 975.
- Root, Parley D., North Springfield, Vt. Lubricating-hub. No. 1,058,105; Apr. 8; Gaz. vol. 189; p. 288.
- Root, Percy H., Plymouth, Ohio. Grinding-machine. No. 1,077,306; Nov. 4; Gaz. vol. 196; p. 22.

Alphabetical list of patentees—Continued.

- Root, Peter, Eureka, Cal. Steam-generator for oil-burners. No. 1,075,728; Oct. 14; Gaz. vol. 195; p. 419.
- Root, Ralph C., Penlan, Va. Hydrocarbon-motor. No. 1,051,917; Feb. 4; Gaz. vol. 187; p. 23.
- Root, Ralph R., assignor to The Adams-Bagnall Electric Company, Cleveland, Ohio. Electric horn. No. 1,077,307; Nov. 4; Gaz. vol. 196; p. 22.
- Root, Wayland L., Spokane, Wash. Stall. No. 1,062,119; May 20; Gaz. vol. 190; p. 606.
- Roper, Charles F. (See Draper and Roper.)
- Roper & Company, C. F. (See Draper and Roper, assignors.)
- Roper & Company, C. F. (See Northrop, Jonas, assignor.)
- Ropes, L. S., *et al.* (See Pronovost, Joseph, assignor.)
- Rorabeck, Claude, Dayton, Ohio. Admission-valve. No. 1,066,755; July 8; Gaz. vol. 192; p. 329.
- Rorabeck, Claude, Dayton, Ohio. Air-starter and relief valve. No. 1,066,756; July 8; Gaz. vol. 192; p. 329.
- Rorabeck, David J., Ryegate, Mont. Rack for drying photographic films. No. 1,072,654; Sept. 9; Gaz. vol. 194; p. 365.
- Rorabeck, Ralph E., Lavina, Mont. Film-drying rack. No. 1,051,518; Jan. 28; Gaz. vol. 186; p. 853.
- Rordame, Alfred, Salt Lake City, Utah. Dry-cell battery. No. 1,080,234; Dec. 2; Gaz. vol. 197; p. 110.
- Rorem, Thomas A. (See Olson, Rorem, and Hill.)
- Rorive, Ernest, Brussels, Belgium. Tool sharpening and gaging machine. No. 1,082,823; Dec. 30; Gaz. vol. 197; p. 1124.
- Rorke, Edwin. (See Rorke, Thomas J. and E.)
- Rorke, Thomas J. and E., Barnes, England. Valve or controlling device. No. 1,060,028; Apr. 29; Gaz. vol. 189; p. 1060.
- Rorke, Thomas J. and E., assignors of one-third to H. S. Benson, Barnes, England. Electromagnetic regulating or controlling means for valves or the like. No. 1,056,124; Mar. 18; Gaz. vol. 188; p. 565.
- Rosada, Roger, Guatemala, Guatemala. Non-refillable bottle. No. 1,075,066; Oct. 7; Gaz. vol. 195; p. 165.
- Rosanz, Charles, New York, N. Y. Gas-generator. No. 1,062,301; May 20; Gaz. vol. 190; p. 669.
- Rose, Alfred H. (See Levi and Rose.)
- Rose, Alma M., New York, N. Y. Dispensing apparatus for cooled liquids. No. 1,050,233; Jan. 14; Gaz. vol. 186; p. 343.
- Rose, Arthur, Newark, N. J. Vertically-sliding bracket for shade-rollers. No. 1,054,316; Feb. 25; Gaz. vol. 187; p. 956.
- Rose, Arthur, Newark, N. J. Self-adjusting shade-roller. No. 1,078,466; Nov. 11; Gaz. vol. 196; p. 454.
- Rose, Edward, Mamaroneck, N. Y., assignor to The Yale & Towne Manufacturing Company, Stamford, Conn. Multiple-key lock. No. 1,057,884; Apr. 1; Gaz. vol. 189; p. 168.
- Rose, Edward E., Pittsburgh, Pa., assignor to Westinghouse Electric and Manufacturing Company. Electric soldering-iron. No. 1,075,497; Oct. 14; Gaz. vol. 195; p. 341.
- Rose, Edward F., and I. E. Casteel, Atchison, Kans. Support for trays of trunks. No. 1,061,010; May 6; Gaz. vol. 190; p. 156.
- Rose, Edward F., and T. Beach, Fort Collins, Colo. Beet-shredder. No. 1,069,580; Aug. 5; Gaz. vol. 193; p. 169.
- Rose, Frank S., deceased, Newark, N. J.; G. F. Rose, administrator, assignor to Standard Typewriter Company. Type-writer. No. 1,065,842; June 24; Gaz. vol. 191; p. 1012.
- Rose, George F., administrator. (See Rose, Frank S.)
- Rose, Howard A., Fort Scott, Kans. Door-securer. No. 1,065,396; June 24; Gaz. vol. 191; p. 860.
- Rose, James. (See Houser, Daniel R., assignor.)
- Rose, James, Lancaster, Pa. Umbrella-rib. No. 1,064,994; June 17; Gaz. vol. 191; p. 689.
- Rose, James M., assignor to Merchant & Evans Company, Philadelphia, Pa. Ventilator. No. 1,063,068; May 27; Gaz. vol. 190; p. 963.
- Rose, Richard C., Osceola, Ark. Internal-combustion engine. No. 1,075,383; Oct. 14; Gaz. vol. 195; p. 303.
- Rose, Samuel B., New York, N. Y. Cabinet. No. 1,069,294; Aug. 5; Gaz. vol. 193; p. 72.
- Rose, Thomas A. (See Levi and Rose.)
- Rose, Wilhelm F., La Moure, N. D. Tire-setter bridge-plate. No. 1,058,791; Apr. 15; Gaz. vol. 189; p. 561.
- Rose, William, Gainsborough, England. Clutch and brake. No. 1,067,197; July 8; Gaz. vol. 192; p. 477.
- Rosedale, Adolph, Alexandria, La., assignor of twenty-five one-hundredths to J. N. P. Cramer, Harrington township, Bergen county, N. J., and one-half to J. M. Goldberg, Alexandria, La. Resilient wheel. No. 1,064,257; June 10; Gaz. vol. 191; p. 407.
- Roselle, Per A., Racine, Wis. Window-screen. No. 1,077,917; Nov. 4; Gaz. vol. 196; p. 232.
- Rosen, Alexis, Philadelphia, Pa. Back-pressure and exhaust relief-valve. No. 1,054,034; Feb. 25; Gaz. vol. 187; p. 861.
- Rosen, Andrew E., Washington, D. C. Device for mixing salad-dressing. No. 1,064,172; June 10; Gaz. vol. 191; p. 378.
- Rosen, August F., Madison, Wis. Radiator. No. 1,076,704; Oct. 28; Gaz. vol. 195; p. 840.
- Rosén, Gustaf, Buffalo, N. Y. Die-maker's clearance-gage. No. 1,060,634; May 6; Gaz. vol. 190; p. 24.
- Rosen, Sixten A., assignor of one-half to H. L. Dow, Worcester, Mass. Fruit-press. No. 1,058,792; Apr. 15; Gaz. vol. 189; p. 561.
- Rosenaue, Karl H., Frankfort-on-the-Main, Germany. Self-closing funnel for liquids. No. 1,074,465; Sept. 30; Gaz. vol. 194; p. 1078.
- Rosenbaum, Jesse, Mount Vernon, Ind. Demountable rim for vehicle-wheels. No. 1,059,765; Apr. 22; Gaz. vol. 189; p. 930.
- Rosenbaum, Louis, New York, N. Y. Sad-iron. No. 1,073,171; Sept. 16; Gaz. vol. 194; p. 585.
- Rosenbaum, Louis, New York, N. Y. Sad-iron. No. 1,073,634; Sept. 23; Gaz. vol. 194; p. 767.
- Rosenberg, Abraham, New York, N. Y. Thread-carrier. No. 1,066,226; July 1; Gaz. vol. 192; p. 115.
- Rosenberg, Armin, Milwaukee, Wis. Apparatus for making tufts. No. 1,063,288; June 3; Gaz. vol. 191; p. 41.
- Rosenberg, Augustus, London, England. Method of and means for cleaning the surfaces of articles made of silver and other metals. No. 1,049,603; Jan. 7; Gaz. vol. 186; p. 98.
- Rosenberg, Augustus, London, England. Apparatus for use in the treatment of deafness. No. 1,057,279; Mar. 25; Gaz. vol. 188; p. 991.
- Rosenberg, Augustus, London, England. Apparatus for use in the treatment of deafness. No. 1,077,096; Oct. 28; Gaz. vol. 195; p. 976.
- Rosenberg, Herman, New York, assignor to Standard Varnish Works, Elm Park, Port Richmond, Staten Island, N. Y. Varnish and making the same. No. 1,062,419; May 20; Gaz. vol. 190; p. 707.
- Rosenberg, Heyman, New York, N. Y. Expansion-bolt anchor. No. 1,066,227; July 1; Gaz. vol. 192; p. 116.
- Rosenberg, Louis. (See Pollock and Rosenberg.)
- Rosenberg, Michael, Chelsea, Mass. Belt-holder for trousers. No. 1,050,849; Jan. 21; Gaz. vol. 186; p. 590.
- Rosenberg, Samuel, assignor to National Chain Company, New York, N. Y. Chain-link. No. 1,069,581; Aug. 5; Gaz. vol. 193; p. 169.
- Rosenblatt, George H. (See Murray, Michael W., assignor.)
- Rosenblatt, Irving S., assignor to Perpetual Germ Proof Telephone Mouthpiece Company, San Francisco, Cal. Antiseptic telephone-mouthpiece. No. 1,059,073; Apr. 15; Gaz. vol. 189; p. 661.
- Rosenblatt, Joseph, Providence, R. I. Eyeglass-mounting. No. 1,051,268; Jan. 21; Gaz. vol. 186; p. 734.
- Rosenblatt, Joseph, Providence, R. I. Eyeglass-mounting. No. 1,060,364; Apr. 29; Gaz. vol. 189; p. 1177.
- Rosenbluth, Edwin M., Philadelphia, Pa. Acetylene-gas generator. No. 1,079,665; Nov. 25; Gaz. vol. 196; p. 928.
- Rosenbrook, August C., Wall, S. D. Nut-lock. No. 1,060,790; May 6; Gaz. vol. 190; p. 76.
- Rosenburg, Harry, *et al.* (See Lipson, Samuel, assignor.)
- Rosenburg, Jacob, *et al.* (See Lipson, Samuel, assignor.)
- Rosencrans, Ernest J., and H. Sanderson, assignors of one-fifth to F. C. Bates, San Jose, Cal. Concrete railway cross-tie. No. 1,054,365; Feb. 25; Gaz. vol. 187; p. 974.
- Rosencrans, Ernest J., and H. Sanderson, assignors of one-third to F. C. Bates, San Jose, Cal. Device for securing railway-rails to ties. No. 1,056,944; Mar. 25; Gaz. vol. 188; p. 876.
- Rosencrans, Ernest J., and H. Sanderson, assignors of one-third to F. C. Bates, San Jose, Cal. Device for securing railway-rails to ties. No. 1,057,779; Apr. 1; Gaz. vol. 189; p. 130.
- Rosenfeld, Albert, *et al.*, trustees. (See Burton, Frank, assignor.)
- Rosenfeld, Bernath, Tucson, Ariz. Clasp for ribbon-bolts. No. 1,080,999; Dec. 9; Gaz. vol. 197; p. 406.
- Rosenfeld, Georg. (See Liebrecht and Rosenfeld.)
- Rosenfelder, Bertin, Schwenningen, Germany. Rotary game appliance. No. 1,074,896; Oct. 7; Gaz. vol. 195; p. 104.
- Rosenfield, Louis, Chicago, Ill., and J. E. Oppen, Louisville, Ky. Bottle-stopper. No. 1,064,544; June 10; Gaz. vol. 191; p. 505.
- Rosenfield, William W., New York, N. Y. Weighing-machine. No. 1,049,535; Jan. 7; Gaz. vol. 186; p. 74.
- Rosengren, Anders A., Malmö, Sweden. Machine for sealing bottles. No. 1,081,931; Dec. 16; Gaz. vol. 197; p. 753.
- Rosengren, Frank W., assignor to Enterprise Tool and Metal Works, Chicago, Ill. Burner. No. 1,073,711; Sept. 23; Gaz. vol. 194; p. 798.
- Rosenheim, Milton T., Philadelphia, Pa. Luminous switch-key. No. 1,077,305; Nov. 4; Gaz. vol. 196; p. 22.
- Rosenkranz, Adam, West View, Pa., and J. L. Langner, Cleveland, Ohio. Wrapping-machine. No. 1,057,091; Mar. 25; Gaz. vol. 188; p. 927.
- Rosenkranz, Edward, New York, N. Y. Switch and receptacle box. No. 1,056,584; Mar. 18; Gaz. vol. 188; p. 723.
- Rosenkranz, John C., New York, N. Y. Buckle. No. 1,055,800; Mar. 11; Gaz. vol. 188; p. 421.

Alphabetical list of patentees—Continued.

- Rosenman, Leo, New York, assignor to W. Raubitschek, Brooklyn, N. Y. Machine for threading tapes into buttons and other articles. No. 1,057,280; Mar. 25; Gaz. vol. 188; p. 992.
- Rosenman, Leo, New York, assignor to W. Raubitschek, Brooklyn, N. Y. Sewing-machine attachment. No. 1,071,584; Aug. 26; Gaz. vol. 193; p. 951.
- Rosenshine, Morris W., San Francisco, Cal. Sash-lock. No. 1,066,152; July 1; Gaz. vol. 192; p. 87.
- Rosenstein, Alfred. (See Hanington, Rosenstein, and Southward.)
- Rosenstein, Hugo. (See Palmer, Montague, assignor.)
- Rosenstein, Jacob B., Cleveland, Ohio. Cloth-piling machine. No. 1,075,729; Oct. 14; Gaz. vol. 195; p. 420.
- Rosenstein, Meyer J., Pensacola, Fla. Valve. No. 1,069,648; Aug. 5; Gaz. vol. 193; p. 191.
- Rosenthal, August, West Allis, Wis. Self-feeder. No. 1,078,697; Nov. 18; Gaz. vol. 196; p. 564.
- Rosenthal, Josef, Munich, Germany. Apparatus for producing X-ray cinematographic pictures. No. 1,059,488; Apr. 22; Gaz. vol. 189; p. 840.
- Rosenthal, Morris G., Mentor, Ohio. Knitting-machine. No. 1,082,239; Dec. 23; Gaz. vol. 197; p. 888.
- Rosenthal, Richard, assignor to J. Rosenthal Mechanische Weberei, G. m. b. H., Schweidnitz, Germany. Apparatus for automatically exchanging shuttles of looms. No. 1,058,628; Apr. 8; Gaz. vol. 189; p. 466.
- Rosenthal, Rubin, New York, N. Y. Ring-setting. No. 1,081,153; Dec. 9; Gaz. vol. 197; p. 455.
- Rosenwald, Max, New York, N. Y., and J. C. Doran, Danbury, Conn., assignors to Frank A. Weeks Mfg. Co. Antiseptic mouthpiece for telephones and similar instruments. No. 1,063,601; June 3; Gaz. vol. 191; p. 148.
- Rosenwasser, Morris, New York, N. Y. Manufacturing leggings. No. 1,055,559; Mar. 11; Gaz. vol. 188; p. 340.
- Rosenzweig, Siegfried, Erie, Pa. Valve-gear. No. 1,059,567; Apr. 22; Gaz. vol. 189; p. 866.
- Rosewarne, Richard E., Covington, Ky., assignor to The Miller, Du Brul & Peters Manufacturing Company, Cincinnati, Ohio. Friction-clutch. No. 1,049,604; Jan. 7; Gaz. vol. 186; p. 99.
- Rosewater, Frank, New York, N. Y. Indicating device. No. 1,075,859; Oct. 14; Gaz. vol. 195; p. 464.
- Rosewater, Nathan, Cleveland, Ohio. Decaffeinating natural beans. No. 1,073,929; Sept. 23; Gaz. vol. 194; p. 871.
- Rosholt, Kim, assignor to Northwestern Steel & Iron Works, Eau Claire, Wis. Mixing-machine. No. 1,065,275; June 17; Gaz. vol. 191; p. 781.
- Roshon, Israel A., assignor of one-half to P. Thompson, Worthington, Minn. Attachment for linotype-machines. No. 1,081,989; Dec. 23; Gaz. vol. 197; p. 802.
- Ross, Albert, Carthage, Tex. Saw-filing machine. No. 1,059,909; Apr. 22; Gaz. vol. 189; p. 975.
- Ross, Andrew J., and T. E. Fry, San Francisco, Cal. Portable oven. No. 1,071,092; Aug. 26; Gaz. vol. 193; p. 788.
- Ross, Archia L., New York, N. Y. Holder for brooms and like articles. No. 1,053,747; Feb. 18; Gaz. vol. 187; p. 729.
- Ross, Charles H. A. F. L., Balnagown Castle, county of Ross, Scotland. Sight for firearms. No. 1,055,801; Mar. 11; Gaz. vol. 188; p. 422.
- Ross, Charles H. A. F. L., Balnagown Castle, county of Ross, Scotland. Making metal-clad bullets. No. 1,059,212; Apr. 15; Gaz. vol. 189; p. 708.
- Ross, Charles H. A. F. L., Balnagown Castle, county of Ross, Scotland. Jacketed bullet. No. 1,059,213; Apr. 15; Gaz. vol. 189; p. 708.
- Ross, Charles P., Seattle, Wash. Liquid-measuring apparatus. No. 1,066,660; July 8; Gaz. vol. 192; p. 293.
- Ross, Charles P., Seattle, Wash. Liquid-measuring appliance. No. 1,070,917; Aug. 19; Gaz. vol. 193; p. 695.
- Ross, Charles P., Seattle, Wash. Vent for liquid-receptacles. No. 1,070,918; Aug. 19; Gaz. vol. 193; p. 695.
- Ross, Charles P., Seattle, Wash. Liquid-measuring device. No. 1,077,000; Oct. 28; Gaz. vol. 195; p. 944.
- Ross, David E., Brookston, Ind. Steering-gear for vehicles. No. 1,059,951; Apr. 22; Gaz. vol. 189; p. 991.
- Ross, David E., Brookston, assignor to The Ross Gear and Tool Company, La Fayette, Ind. Steering-gear for vehicles. No. 1,059,568; Apr. 22; Gaz. vol. 189; p. 866.
- Ross, Ewald, Barmen, Germany, assignor to Internationale Gasglühlicht Actien-Gesellschaft, Budapest, Austria-Hungary. Incandescent gas-mantle. No. 1,052,622; Feb. 11; Gaz. vol. 187; p. 298.
- Ross, Frank. (See Pirie and Ross.)
- Ross, Fred C., Lodi, Cal. Attaching sharpening members to body members. No. 1,049,605; Jan. 7; Gaz. vol. 186; p. 99.
- Ross, Frederick M., Oakley, Ohio, assignor of one-half to W. W. Baxter, Newport, Ky. Resilient wheel. No. 1,057,092; Mar. 25; Gaz. vol. 188; p. 928.
- Ross Gear and Tool Company, The. (See Ross, David E., assignor.)
- Ross, George G., Bladen, Nebr. Knife-sharpener. No. 1,074,295; Sept. 30; Gaz. vol. 194; p. 1021.
- Ross, Harry B., assignor to The Ross Transmission Gear Company, Denver, Colo. Transmission mechanism. No. 1,070,538; Aug. 19; Gaz. vol. 193; p. 571.
- Ross, James C., Colorado Springs, Colo., assignor to The Hydro-Carbon Company. Process and apparatus for treating elaterite. No. 1,057,093; Mar. 25; Gaz. vol. 188; p. 928.
- Ross, James C., Colorado Springs, Colo., assignor to The Hydro-Carbon Company. Treating elaterite. No. 1,057,094; Mar. 25; Gaz. vol. 188; p. 929.
- Ross, James T., Eldorado, assignor of five one-hundredths to N. A. Warren, five one-hundredths to W. F. Slaughter, ten one-hundredths to H. McBride, Idabel, ten one-hundredths to T. J. Nichols, twenty one-hundredths to D. T. Sledge, fifteen one-hundredths to J. E. Markham, ten one-hundredths to E. R. Thomas, and ten one-hundredths to J. D. Hix, Duncan, Okla. Water-power. No. 1,049,606; Jan. 7; Gaz. vol. 186; p. 99.
- Ross, John F., Chicago, Ill. Combined time-recording and valve-controlling mechanism. No. 1,073,172; Sept. 16; Gaz. vol. 194; p. 586.
- Ross, John T., Blanca, assignor of one-half to J. S. Rouse, Canon City, Colo. Miter-box. No. 1,075,730; Oct. 14; Gaz. vol. 195; p. 420.
- Ross, Lewis P., Standish, N. Y., assignor of one-half to Northern Iron Company. Nodulating materials. No. 1,076,705; Oct. 28; Gaz. vol. 195; p. 840.
- Ross, Lewis P., Standish, N. Y., assignor of one-half to Northern Iron Company. Mechanism for nodulizing materials. No. 1,081,063; Dec. 9; Gaz. vol. 197; p. 426.
- Ross Limited. (See Biellicke, William, assignor.)
- Ross, Louis S. (See Church, Harold D., assignor.)
- Ross, Louis S. (See Edmands, John W., assignor.)
- Ross, Louis S., Newtonville, Mass. Time-burning railway signal-fusee. No. 1,059,214; Apr. 15; Gaz. vol. 189; p. 709.
- Ross, Louis S., Newtonville, Mass. Torpedo. No. 1,059,766; Apr. 22; Gaz. vol. 189; p. 931.
- Ross, Louis S., Newtonville, Mass. Time-burning railway signal-fusee. No. 1,059,767; Apr. 22; Gaz. vol. 189; p. 931.
- Ross, Louis S., Newtonville, Mass. Time-burning railway signal-fusee. No. 1,059,768; Apr. 22; Gaz. vol. 189; p. 931.
- Ross, Louis S., Newtonville, Mass. Motor-vehicle. No. 1,082,047; Dec. 23; Gaz. vol. 197; p. 823.
- Ross, Mable A., Calexico, Cal. Sewing-machine shuttle. No. 1,075,860; Oct. 14; Gaz. vol. 195; p. 464.
- Ross, Mark A., assignor to Pyle-National Electric Headlight Company, Chicago, Ill. Electric headlight. No. 1,056,585; Mar. 18; Gaz. vol. 188; p. 723.
- Ross, Mark A., assignor of one-half to H. P. Bayley, Chicago, Ill. Fluid-turbine. No. 1,065,316; June 17; Gaz. vol. 191; p. 795.
- Ross, Mark A., assignor of one-half to H. P. Bayley, Chicago, Ill. Turbine. No. 1,065,317; June 17; Gaz. vol. 191; p. 796.
- Ross, Mark A., assignor of one-half to H. P. Bayley, Chicago, Ill. Turbine. No. 1,065,318; June 17; Gaz. vol. 191; p. 796.
- Ross, Milton A., Pendleton, Ore. Bicycle or motor-cycle saddle. No. 1,068,703; July 29; Gaz. vol. 192; p. 1099.
- Ross, Myron A., assignor to Pressed Prism Plate Glass Company, Morgantown, W. Va. Plate-glass device. No. 1,075,793; Oct. 14; Gaz. vol. 195; p. 441.
- Ross, Myron A., assignor to Pressed Prism Plate Glass Company, Morgantown, W. Va. Manufacturing plate-glass devices. No. 1,075,794; Oct. 14; Gaz. vol. 195; p. 442.
- Ross, Oscar A. (See Clarke and Ross.)
- Ross, Oscar A., Rochester, N. Y. Heating system. No. 1,061,635; May 13; Gaz. vol. 190; p. 405.
- Ross, Oscar A., assignor of one-half to C. V. Kasson, Chicago, Ill. Valve or the like. No. 1,072,507; Sept. 9; Gaz. vol. 194; p. 313.
- Ross, Oscar T., Los Angeles, Cal. Stump-eliminator. No. 1,066,535; July 8; Gaz. vol. 192; p. 249.
- Ross, Oscar T., Goldfield, Nev., assignor of one-half to W. Hildreth, Chicago, Ill. Flying-machine. No. 1,082,769; Dec. 30; Gaz. vol. 197; p. 1106.
- Ross, Robert C. (See Kenny, Michael J., assignor.)
- Ross, Samuel J., Moulton, Idaho. Combined kettle holder and strainer. No. 1,069,812; Aug. 12; Gaz. vol. 193; p. 279.
- Ross, Simon G., and F. B. Freeman, Cincinnati, Ohio, assignors to United Shoe Machinery Company, Paterson, N. J. Skiving-machine. No. 1,080,171; Dec. 2; Gaz. vol. 197; p. 89.
- Ross, Thomas W. (See Denmead, Perry T., assignor.)
- Ross Transmission Gear Company. (See Ross, Harry B., assignor.)
- Ross, Victor. (See Ahlen and Ross.)
- Ross, Walter A. (See Ross, William L. and W. A.)
- Ross, William H., Redbank, N. J. Delivery-cabinet for cigarettes and other articles. No. 1,065,472; June 24; Gaz. vol. 191; p. 887.
- Ross, William L., Philadelphia, Pa. Mixing-faucet. No. 1,071,464; Aug. 26; Gaz. vol. 193; p. 911.
- Ross, William L. and W. A., Bellaire, Ohio. Fender. No. 1,056,586; Mar. 18; Gaz. vol. 188; p. 724.

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- Ross, William L., and A. Leiffer, Bellaire, Ohio. Tire. No. 1,083,143; Dec. 30; Gaz. vol. 197; p. 1230.
- Roszbach, Friedrich, Frankfort, Germany. Cushion-heel. No. 1,051,767; Jan. 28; Gaz. vol. 186; p. 934.
- Roszbach, Theodore, Cleveland, Ohio. Condiment-receptacle. No. 1,071,465; Aug. 26; Gaz. vol. 193; p. 912.
- Roszbarg, Robert F. W., East Helena, Mont. Disintegrating-machine. No. 1,083,033; Dec. 30; Gaz. vol. 197; p. 1194.
- Rossell, Joe, Pittsburgh, Pa. Pipe-coupling. No. 1,071,585; Aug. 26; Gaz. vol. 193; p. 951.
- Rossetter, James R., Knoxville, Tenn. Plow. No. 1,056,836; Mar. 25; Gaz. vol. 188; p. 838.
- Rossi, Auguste J., Niagara Falls, assignor to The Titanium Alloy Manufacturing Company, New York, N. Y. Bleaching articles. No. 1,080,718; Dec. 9; Gaz. vol. 197; p. 308.
- Rossi, Auguste J., and W. F. Meredith, Niagara Falls, assignors to Titanium Alloy Manufacturing Company, New York, N. Y. Treating metals. No. 1,056,125; Mar. 18; Gaz. vol. 188; p. 566.
- Rossiter, Edmund C., Birmingham, assignor to The British Cyanides Company, Limited, London, England. Manufacture of sodium alloys. No. 1,073,523; Sept. 16; Gaz. vol. 194; p. 707.
- Rössler, Oswald, Berlin, Germany. Dividing-head. No. 1,067,682; July 15; Gaz. vol. 192; p. 679.
- Rossman, Henry C. (See Petty, Amner N., assignor.)
- Rossmann, William H., Altoona, Pa. Car-window construction. No. 1,077,857; Nov. 4; Gaz. vol. 196; p. 210.
- Rosson, Oliver O., assignor of one-fourth to L. T. Sheets and one-fifth to J. W. Smith, Dustin, Okla. Rail-joint. No. 1,070,919; Aug. 19; Gaz. vol. 193; p. 695.
- Rossovits, Martin, Johnstown, Pa. Last. No. 1,068,009; July 22; Gaz. vol. 192; p. 821.
- Rost, Arnold, Dresden, Germany. Rapidly separating emulsions formed by aqueous liquids with fatty substances of any kind. No. 1,050,696; Jan. 14; Gaz. vol. 186; p. 502.
- Rostand Manufacturing Company, The. (See Landine, Peter N., assignor.)
- Rotary Appliances Company. (See Moore, George N., assignor.)
- Rotax Motor and Cycle Company. (See Hilton and Main, assignors.)
- Rote, John G., Brookline, Mass., assignor, by mesne assignments, to Gillette Safety Razor Company. Blade-holding device. No. 1,064,545; June 10; Gaz. vol. 191; p. 506.
- Rotermund, Hermann, assignor to Actien-Gesellschaft fuer Kohlendestillation, Dusseldorf, Germany. Recovering ammonia from coal-gases and the like. No. 1,067,843; July 22; Gaz. vol. 192; p. 766.
- Roth Aktiengesellschaft, G. (See Deubler, Franz, assignor.)
- Roth, Charles F., Pilot Grove, Mo. Lock. No. 1,068,932; July 29; Gaz. vol. 192; p. 1181.
- Roth, Charles F., Pilot Grove, Mo. Lathe. No. 1,082,652; Dec. 30; Gaz. vol. 197; p. 1063.
- Roth, Charles H. (See Jones and Roth.)
- Roth, Felix L., New Orleans, La. Running-gear. No. 1,078,960; Nov. 18; Gaz. vol. 196; p. 654.
- Roth, Gilson W., Jackson township, Brown county, assignor to G. H. Evans, Evansville, Ind. Engine-starter. No. 1,077,858; Nov. 4; Gaz. vol. 196; p. 211.
- Roth, Henry J., New York, assignor to Eberhard Faber Pencil Company, Brooklyn, N. Y. Penholder. No. 1,079,516; Nov. 25; Gaz. vol. 196; p. 876.
- Roth, Joseph C., and J. F. Berrick, Buffalo, N. Y. Non-refillable bottle. No. 1,056,216; Mar. 18; Gaz. vol. 188; p. 596.
- Roth, Joseph C., and J. F. Berrick, Buffalo, N. Y. Closure or stopper for bottles or other receptacles. No. 1,056,217; Mar. 18; Gaz. vol. 188; p. 597.
- Roth, Karl, Terre Haute, Ind. Sheet-metal roofing. No. 1,072,508; Sept. 9; Gaz. vol. 194; p. 314.
- Roth, Karl, Terre Haute, Ind. Leak-proof strip for metal roofing. No. 1,076,065; Oct. 21; Gaz. vol. 195; p. 563.
- Roth, Reuben D., Gettysburg, Pa. Milking-machine. No. 1,063,737; June 3; Gaz. vol. 191; p. 197.
- Roth, Samuel, New York, assignor of one-third to P. Treffers, Brooklyn, N. Y. Swimming-suit. No. 1,059,215; Apr. 15; Gaz. vol. 189; p. 709.
- Rothe, Fritz, Dessau, assignor to Elektrochemische Werke, G. m. b. H., Bitterfeld, Germany. Production of nitrites. No. 1,070,070; Aug. 12; Gaz. vol. 193; p. 366.
- Rothe, Rudolph E., Vienna, Austria-Hungary. Wind-screen, particularly for motor-vehicles. No. 1,070,539; Aug. 19; Gaz. vol. 193; p. 571.
- Rothe, Wilhelm, Reichenbach, Germany. Apparatus for producing cotton-waste. No. 1,070,632; Aug. 19; Gaz. vol. 193; p. 601.
- Rothe, William, New York, N. Y. Overhead switch and automatic trolley-stop. No. 1,068,277; July 22; Gaz. vol. 192; p. 914.
- Rothenberg, William F., Denver, Colo. Ventilating-fan. No. 1,074,017; Sept. 23; Gaz. vol. 194; p. 900.
- Rothemberger, George W., and W. Hayden, Reading, Pa. Adjustable garment-pattern. No. 1,049,536; Jan. 7; Gaz. vol. 186; p. 74.
- Rother, Robert H. (See Koehl and Rother.)
- Rothfork, Harry, Elkton, S. D. Currycomb. No. 1,055,658; Mar. 11; Gaz. vol. 88; p. 372.
- Rothfuss, Carl W. S. (See Maguire, Dennis H., assignor.)
- Rothlisberger, August E., et al. (See Hines, William J., assignor.)
- Rothmann, Albert. (See Ach and Rothmann.)
- Rothschild, Emanuel, Anderson, Ind. Box. No. 1,069,649; Aug. 5; Gaz. vol. 193; p. 192.
- Rothschild, Moses L., New York, N. Y. Buckle. No. 1,069,185; Aug. 5; Gaz. vol. 193; p. 34.
- Rothwell, Joseph, Walkden, near Manchester, England. Apparatus for smoke prevention and fuel economizing in connection with steam-generators. No. 1,052,518; Feb. 11; Gaz. vol. 187; p. 263.
- Rotico Fitting and Supply Company. (See Drew, Warren F., assignor.)
- Rotospeed Company, The. (See Cox, Edwin A., assignor.)
- Rotramel, Elisha, Grayville, Ill. Fertilizer-distributor. No. 1,075,121; Oct. 7; Gaz. vol. 195; p. 183.
- Rotter, Max, assignor to Allis-Chalmers Company, Milwaukee, Wis. Accumulator. No. 1,055,982; Mar. 11; Gaz. vol. 188; p. 482.
- Rotter, Philip, and H. M. Smith, New York, N. Y. Fabric-sample-carding machine. No. 1,062,607; May 27; Gaz. vol. 190; p. 811.
- Rottmann, August, assignor to Dr. C. Otto & Comp. Ges. mit beschränkter Haftung, Bochum, Germany. Recovery of by-products from gases of fuels. No. 1,061,949; May 13; Gaz. vol. 190; p. 507.
- Rottweiler, George von, Sheboygan, Wis. Rotary valve. No. 1,049,607; Jan. 7; Gaz. vol. 186; p. 100.
- Rotzell, Franklin W., Kansas City, Mo. Handle for loose-leaf files. No. 1,066,757; July 8; Gaz. vol. 192; p. 329.
- Roubinek, Carl, Milwaukee, Wis. Wrench. No. 1,056,587; Mar. 18; Gaz. vol. 188; p. 724.
- Rouchleau, Louis J., Arlington, Cal. Compressed-air jack. No. 1,060,496; Apr. 29; Gaz. vol. 189; p. 1223.
- Rouillot, Victor B. (See Fengler and Rouillot.)
- Rounds, Charles H. (See Bryant and Rounds.)
- Rounds, Herbert G., Bay City, Mich. Bracket for use in shingling roofs. No. 1,080,658; Dec. 9; Gaz. vol. 197; p. 288.
- Rountree, Henry W., assignor of one-half to H. W. Cottrell, Richmond, Va. Wardrobe trunk and dresser. No. 1,060,497; Apr. 29; Gaz. vol. 189; p. 1223.
- Rourke, Joseph A., Boston, Mass. Compression-hydrant. No. 1,080,719; Dec. 9; Gaz. vol. 197; p. 308.
- Rous, Bernard, Brooklyn, assignor to L. Heffer, New York, N. Y. Neck-making machine. No. 1,073,712; Sept. 23; Gaz. vol. 194; p. 798.
- Rous, Bernard, Brooklyn, assignor to L. Heffer, New York, N. Y. Neck-making machine. No. 1,073,713; Sept. 23; Gaz. vol. 194; p. 799.
- Rouse, George L., Cincinnati, Ohio. Shoe. No. 1,053,442; Feb. 18; Gaz. vol. 187; p. 624.
- Rouse, John, Jr., North Chicago, Ill. Skinning-knife. No. 1,051,454; Jan. 28; Gaz. vol. 186; p. 830.
- Rouse, John S. (See Ross, John T., assignor.)
- Roush, Charles F., and H. Garnett, assignors of one-third to J. J. Valiquett, one-third to E. J. O'Donnell, and one-third to C. F. Roush, Toledo, Ohio. Sand-tempering machine. No. 1,064,995; June 17; Gaz. vol. 191; p. 689.
- Roush, Herbert E. (See King, Gracely, and Roush.)
- Rousseau, Almer A., Dallas, Tex. Lens-grinding machine. No. 1,069,813; Aug. 12; Gaz. vol. 193; p. 279.
- Rousseau, George E. C., and F. Gregory, Sacramento, Cal. Current-motor. No. 1,081,867; Dec. 16; Gaz. vol. 197; p. 733.
- Routery, Herbert C., Los Angeles, Cal. One-piece garment. No. 1,072,776; Sept. 9; Gaz. vol. 194; p. 407.
- Routt, George W., Lawton, Okla. Rail joint and support. No. 1,050,697; Jan. 14; Gaz. vol. 186; p. 502.
- Rouvre, Philippe B. de, assignor to Société Générale des Engrais Organiques, Paris, France. Apparatus for making fertilizer from refuse material. No. 1,056,837; Mar. 25; Gaz. vol. 188; p. 838.
- Rovelli, Angelo C., Philadelphia, Pa. Bottle-closing attachment. No. 1,051,011; Jan. 21; Gaz. vol. 186; p. 648.
- Row, Reuben R., Jersey City, N. J. Heat-transferring apparatus. No. 1,064,775; June 17; Gaz. vol. 191; p. 619.
- Rowan, John E., and L. F. Bauman, Virginia, Minn. Washing-boiler. No. 1,074,528; Sept. 30; Gaz. vol. 194; p. 1096.
- Rowan, John V., Fort Stevens, Oreg. Vehicle-buffer. No. 1,071,586; Aug. 26; Gaz. vol. 193; p. 952.
- Rowand, Lewis G., East Orange, N. J., assignor to Wetherill Separating Company, New York, N. Y. Magnetic separator. No. 1,068,453; July 29; Gaz. vol. 192; p. 1013.
- Rowe, Arthur C., assignor to A. C. Rowe & Son, New York, N. Y. Fire-extinguisher. No. 1,070,987; Aug. 19; Gaz. vol. 193; p. 717.
- Rowe, Arthur C., assignor to A. C. Rowe & Son, New York, N. Y. Process and apparatus for sealing carbon tetrachlorid. No. 1,074,747; Oct. 7; Gaz. vol. 195; p. 56.

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- Rowe, Arthur C., assignor to A. C. Rowe & Son, New York, N. Y. Fire-extinguisher. No. 1,076,787; Oct. 28; Gaz. vol. 195; p. 869.
- Rowe, Arthur F., Prince Rupert, British Columbia, Canada. Automatic friction-clutch bracket. No. 1,050,234; Jan. 14; Gaz. vol. 186; p. 344.
- Rowe, Carl J., California, Pa. Magnetic switching device. No. 1,055,802; Mar. 11; Gaz. vol. 188; p. 422.
- Rowe, Harry J., New Kensington, Pa. Charging apparatus. No. 1,076,706; Oct. 28; Gaz. vol. 195; p. 840.
- Rowe, George H., assignor to Electro-Magnetic Tool Company, Chicago, Ill. Electromechanical device. No. 1,062,799; May 27; Gaz. vol. 190; p. 874.
- Rowe, James, Chicago, Ill. Tube-straightening machine. No. 1,060,365; Apr. 29; Gaz. vol. 189; p. 1177.
- Rowe, Levi L., Boston, Mass. Automatic valve. No. 1,053,956; Feb. 18; Gaz. vol. 187; p. 797.
- Rowe & Son, A. C. (See Rowe, Arthur C., assignor.)
- Rowe, Wallace H. (See Rietzel, Adolph F., assignor.)
- Rowe, Wallace H., Pittsburgh, Pa., and A. F. Rietzel, Westerly, R. I.; said Rietzel assignor to said Rowe. Reel. No. 1,056,455; Mar. 18; Gaz. vol. 188; p. 677.
- Rowe, William J., Lakewood, C. E. Smack, deceased, (E. L. Smack, administratrix.) Brooklyn township, Cuyahoga county, and J. C. Theberath, Lakewood, Ohio. Automatic displaying-machine. No. 1,082,770; Dec. 30; Gaz. vol. 197; p. 1106.
- Rowell, George W., Portales, N. Mex. Sugar-dispensing machine. No. 1,064,776; June 17; Gaz. vol. 191; p. 619.
- Rowell, Lewis D., assignor to Cutler-Hammer Clutch Company, Milwaukee, Wis. Lubricated clutch and similar device. No. 1,059,395; Apr. 22; Gaz. vol. 189; p. 807.
- Rowell, Lewis D., assignor to Cutler-Hammer Clutch Company, Milwaukee, Wis. Work support or holder. No. 1,066,951; July 8; Gaz. vol. 192; p. 393.
- Rowland, David E. (See Miller and Rowland.)
- Rowland, David E., assignor to The Ney Manufacturing Company, Canton, Ohio. Wire-clamp. No. 1,052,969; Feb. 11; Gaz. vol. 187; p. 417.
- Rowland, Herbert K., and L. H. Larsen, Toppenish, Wash. Fruit-cleaning machine. No. 1,050,298; Jan. 14; Gaz. vol. 186; p. 366.
- Rowland, John D., Birmingham, England. Driving mechanism for motor-vehicles. No. 1,059,216; Apr. 15; Gaz. vol. 189; p. 709.
- Rowland, William S., assignor to The Stanley Works, New Britain, Conn. Apparatus for recovering vehicles used in application of lacquer, japan, and other coatings. No. 1,069,033; July 29; Gaz. vol. 192; p. 1214.
- Rowlette, Oliver B., Grand Rapids, Mich. Knockdown sectional case. No. 1,067,376; July 15; Gaz. vol. 192; p. 574.
- Rowlette, Oliver B., Grand Rapids, Mich. Knockdown sectional case. No. 1,080,784; Dec. 9; Gaz. vol. 197; p. 333.
- Rowley, Arthur C., assignor to The International Sprinkler Company, Philadelphia, Pa. Alarm-valve. No. 1,082,447; Dec. 23; Gaz. vol. 197; p. 959.
- Rowley, Ernest F., Birmingham, Ala. Hoe. No. 1,075,442; Oct. 14; Gaz. vol. 195; p. 323.
- Rowley, George F., Oxbow, Saskatchewan, Canada. Combination soil-pulverizer and seeder attachment for plows. No. 1,074,208; Sept. 30; Gaz. vol. 194; p. 993.
- Rowley, George H., Chicago, Ill. Process of and means for making resilient inking-pads. No. 1,060,635; May 6; Gaz. vol. 190; p. 24.
- Rowley, George W., Hollywood, Cal. Revolving ladder-support. No. 1,082,240; Dec. 23; Gaz. vol. 197; p. 888.
- Rowley, James F., Chicago, Ill. Suspender for artificial arms. No. 1,075,861; Oct. 14; Gaz. vol. 195; p. 464.
- Rowley, James H., assignor to Sykes Steel Roofing Company, Chicago, Ill. Locking mechanism for fireproof closures. No. 1,051,918; Feb. 4; Gaz. vol. 187; p. 24.
- Rowntree, Harold, Kenilworth, Ill. Passenger-car-door mechanism. No. 1,073,930; Sept. 23; Gaz. vol. 194; p. 871.
- Rowntree, Harold, assignor to National Pneumatic Company, Chicago, Ill. Combined door and step operating mechanism. No. 1,067,787; July 15; Gaz. vol. 192; p. 713.
- Roy, Alexander, San Francisco, Cal. Dry-dock. No. 1,058,106; Apr. 8; Gaz. vol. 189; p. 288.
- Roy, Cleophas. (See Roche and Roy.)
- Roy, Sylvanus B., Worcester, Mass. Apparatus for producing power. No. 1,074,209; Sept. 30; Gaz. vol. 194; p. 993.
- Roy, Sylvanus B., Worcester, Mass. Gearing for spinning or twisting machines. No. 1,081,334; Dec. 16; Gaz. vol. 197; p. 555.
- Roy, Thomas A., Dorchester, and J. H. Hindley, assignors of one-third to J. Price, Malden, Mass. Flexible templet. No. 1,078,879; Nov. 18; Gaz. vol. 196; p. 628.
- Royal Electrotype Company. (See Gounley, James F., assignor.)
- Royal Typewriter Company. (See Buckingham, Earle, assignor.)
- Royal Typewriter Company. (See Hess, Edward B., assignor.)
- Royal Typewriter Company. (See Myers, Lewis C., assignor.)
- Royal Typewriter Company. (See Stern, Philip, assignor.)
- Royce, Joseph E., Pueblo, Colo. Drill-bracket. No. 1,068,170; July 22; Gaz. vol. 192; p. 876.
- Roycourt, James L., and L. Horinko, New York, N. Y. Bell. No. 1,076,606; Oct. 21; Gaz. vol. 195; p. 752.
- Royden Marble Machinery Company. (See Peirce, John R., assignor.)
- Royer, Charles C. (See Smith and Royer.)
- Royer, Ellis S., St. Louis, Mo. Case-lock. No. 1,050,394; Jan. 14; Gaz. vol. 186; p. 399.
- Royer, Emile G., Paris, France, assignor to Société Anonyme "Oriona," Brussels, Belgium. Electric incandescent lamp. No. 1,063,496; June 3; Gaz. vol. 191; p. 110.
- Royer, Emile G., Paris, France, assignor to Société Anonyme "Oriona," Brussels, Belgium. Electric incandescent lamp. No. 1,066,326; July 1; Gaz. vol. 192; p. 150.
- Royle, John J., Flixton, near Manchester, England. Motion-multiplying gear for hydraulic lifts. No. 1,071,466; Aug. 26; Gaz. vol. 193; p. 912.
- Roys, Hervey N., Rollin, Mich. Milk cooling, ventilating, and protecting device. No. 1,051,269; Jan. 21; Gaz. vol. 186; p. 734.
- Royse, Grover C., Tacoma, Wash. Concrete reinforcement. No. 1,073,931; Sept. 23; Gaz. vol. 194; p. 872.
- Royse, Harvey F., Perrysville, Ind. Banana-stand. No. 1,078,804; Nov. 18; Gaz. vol. 196; p. 603.
- Royster, William E., Jr., Henderson, Ky. Tobacco-cutting box. No. 1,070,988; Aug. 19; Gaz. vol. 193; p. 717.
- Rozelle, Marion E., Chambersburg, Pa. Grinding-mill. No. 1,078,517; Nov. 11; Gaz. vol. 196; p. 470.
- Rozić, Victor, Bakar, Austria-Hungary. Apparatus for indicating and recording the course of navigable vessels. No. 1,062,929; May 27; Gaz. vol. 190; p. 917.
- Rubber & Celluloid Harness Trimming Co. (See Miltner, Ernest, assignor.)
- Rubber Substitute (1910) Limited. (See Scammell, Joseph B., assignor.)
- Rubel Bronze Limited. (See Rübel, Walter, assignor.)
- Rubel, Jacob, *et al.* (See Blow and Sandiford, assignors.)
- Rübel, Walter, Berlin, Germany, assignor to Rubel Bronze Limited, London, England. Alloy. No. 1,076,455; Oct. 21; Gaz. vol. 195; p. 698.
- Ruben, John W., Portland, Oreg. Car-window cleaner. No. 1,081,000; Dec. 9; Gaz. vol. 197; p. 406.
- Rubes, Ernest, Brooklyn, N. Y. Acoustic apparatus. No. 1,059,769; Apr. 22; Gaz. vol. 189; p. 932.
- Rubensky, William J., Minneapolis, Minn. Carbureter. No. 1,065,331; June 17; Gaz. vol. 191; p. 801.
- Rubin, Harry, New York, N. Y. Gas arc-lamp. No. 1,049,769; Jan. 7; Gaz. vol. 186; p. 153.
- Rubin, Louis M., New York, N. Y. Incandescent gas-lamp. No. 1,077,756; Nov. 4; Gaz. vol. 196; p. 177.
- Rubin, Max, East Orange, N. J. Buckle. No. 1,064,996; June 17; Gaz. vol. 191; p. 690.
- Ruble, William P., Esmond, N. D. Steam-engine. No. 1,077,097; Oct. 28; Gaz. vol. 195; p. 976.
- Rubovits, Toby. (See Engel, John A., assignor.)
- Rubovits, Toby. (See Schwartz, Louis S., assignor.)
- Rubovits, Toby. (See Wiltz, Clark G., assignor.)
- Rucker, Benjamin P., Charlotte, N. C. Vending-machine for liquids. No. 1,075,943; Oct. 14; Gaz. vol. 195; p. 493.
- Rucker, Harry G., Hillsboro, and W. P. Dambaugh, Carlinville, Ill. Water-heater. No. 1,070,846; Aug. 19; Gaz. vol. 193; p. 672.
- Rucker, Martin D., Purley, England. Elastic tire for vehicles. No. 1,070,183; Aug. 12; Gaz. vol. 193; p. 407.
- Rückert, Wilhelm, Hanover-Wülfel, Germany. Stop for doors. No. 1,065,728; June 24; Gaz. vol. 191; p. 973.
- Ruckes, Michael, assignor to National Scale Company, Chicopee Falls, Mass. Counting-machine. No. 1,059,318; Apr. 15; Gaz. vol. 189; p. 744.
- Ruckstinat, Johannes, Toronto, Ontario, Canada. Tube-bending machine. No. 1,055,358; Mar. 11; Gaz. vol. 188; p. 273.
- Ruckstuhl, Edward J., Levert, La. Cane-juice separator. No. 1,060,498; Apr. 29; Gaz. vol. 189; p. 1224.
- Ruddick, John J., Newton, assignor to United States Electric Signal Company, West Newton, Mass. Track-relay for electric signal systems. No. 1,069,027; July 29; Gaz. vol. 192; p. 1212.
- Rüdenberg, Reinhold, Charlottenburg, assignor to Siemens-Schuckertwerke G. m. b. H., Berlin, Germany. Means for protecting electric circuits from excessive rises in pressure and similar disturbances. No. 1,077,163; Oct. 28; Gaz. vol. 195; p. 995.
- Ruder, Carl, Wandsbek, near Hamburg, Germany. Manufacture of camphor from borneol or isoborneol. No. 1,066,758; July 8; Gaz. vol. 192; p. 330.
- Rudge Whitworth Limited. (See Pugh and Pountney, assignors.)
- Rudich, Oslas. (See Lanes and Rudich.)
- Rudler, Frank X., assignor to J. H. McCaffrey, Buffalo, N. Y. Folding rule. No. 1,069,186; Aug. 5; Gaz. vol. 193; p. 34.

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- Rudolph, Charles, Paris, France, assignor to C. T. Schoen, Philadelphia, Pa. Pipe-coupling. No. 1,054,244; Feb. 25; Gaz. vol. 187; p. 933.
- Rudolph, Flavel A., Maplewood, Mo. Advertising device. No. 1,061,407; May 13; Gaz. vol. 190; p. 325.
- Rudolph, John B., Jersey City, N. J. Automatic self-releasing curtain-hook. No. 1,049,770; Jan. 7; Gaz. vol. 186; p. 154.
- Rudolph, John B., Jersey City, N. J. Sanitary shaving-mug. No. 1,072,994; Sept. 9; Gaz. vol. 194; p. 438.
- Rudolph-Myers Manufacturing Co. (See Myers, Edgar W., assignor.)
- Rudolph, Robert E., Paducah, Ky. Friction-brake. No. 1,058,336; Apr. 8; Gaz. vol. 189; p. 369.
- Rudolph Wurlitzer Manufacturing Company, The. (See Hope-Jones, Robert, assignor.)
- Rudolphi, Frank, assignor to American Can Company, New York, N. Y. Can-body-flanging machine. No. 1,055,418; Mar. 11; Gaz. vol. 188; p. 293.
- Rudolphi, Frank, Chicago, Ill., assignor to American Can Company, New York, N. Y. Can-body-making machine. No. 1,082,557; Dec. 30; Gaz. vol. 197; p. 1030.
- Rudrud, Louis L., Crary, N. D. Treadle-guard for spring-jaw traps. No. 1,074,210; Sept. 30; Gaz. vol. 194; p. 993.
- Rudy, Knut, New York, N. Y. Lamp-bracket. No. 1,059,217; Apr. 15; Gaz. vol. 189; p. 710.
- Rue, Oliver H., Ivanhoe, Tex. Reed-organ. No. 1,083,144; Dec. 30; Gaz. vol. 197; p. 1230.
- Rue, Perry H., *et al.* (See Vance, John G., assignor.)
- Rueff, William, Berkeley, Cal. Purifying and preserving fruit-juices. No. 1,066,153; July 1; Gaz. vol. 192; p. 88.
- Ruegnitz, Bernard A., Dubuque, Iowa. Ventilator. No. 1,066,055; July 1; Gaz. vol. 192; p. 54.
- Ruff, Alfred W. (See Richardson, Isaac T., assignor.)
- Ruff, Charles T., Bloomer, Wis. Cultivator. No. 1,051,012; Jan. 21; Gaz. vol. 186; p. 649.
- Ruff, Edward, Stewardson, Ill. Indicating attachment for baling-presses. No. 1,057,885; Apr. 1; Gaz. vol. 189; p. 168.
- Ruffin, John A., and G. G. Going, New York, N. Y. Type-writer. No. 1,063,289; June 3; Gaz. vol. 191; p. 41.
- Ruger, Durl P., assignor to T. Marshall, Chicago, Ill. Rheostat. No. 1,073,173; Sept. 16; Gaz. vol. 194; p. 586.
- Rugg, De Leonard, Catskill, N. Y. Shield for car-windows. No. 1,053,877; Feb. 18; Gaz. vol. 187; p. 770.
- Ruggaber, John W. (See Nelson and Ruggaber.)
- Ruggles, Frank W., Springfield, assignor of one-half to E. G. Gaylord, Chicopee, Mass. Engine. No. 1,079,364; Nov. 25; Gaz. vol. 196; p. 824.
- Ruggles, Hiram C., Phoenix, Ariz. Oil-burner. No. 1,061,011; May 6; Gaz. vol. 190; p. 157.
- Ruggles, Percy B., Wyoming, Ohio. Needle for talking-machines. No. 1,061,408; May 13; Gaz. vol. 190; p. 325.
- Ruggles, William B. (See Pine and Ruggles.)
- Rugh, Harry O., assignor to Sandwich Electric Company, Sandwich, Ill. Selector. No. 1,049,537; Jan. 7; Gaz. vol. 186; p. 75.
- Rugh, Harry O., assignor to Sandwich Electric Company, Sandwich, Ill. Selective signaling system. No. 1,051,270; Jan. 21; Gaz. vol. 186; p. 734.
- Rugh, Harry O., assignor to Sandwich Electric Company, Sandwich, Ill. Signaling system. No. 1,051,271; Jan. 21; Gaz. vol. 186; p. 735.
- Rugh, Harry O., Sandwich, Ill., assignor, by mesne assignments, to The General Railway Equipment Company. Signaling system. No. 1,060,214; Apr. 29; Gaz. vol. 189; p. 1122.
- Rugh, Harry O., Sandwich, Ill., assignor, by mesne assignments, to Hall Switch & Signal Company. Signaling system. No. 1,064,997; June 17; Gaz. vol. 191; p. 690.
- Rugh, Harry O., Sandwich, Ill., assignor, by mesne assignments, to The Hall Switch & Signal Company. Signaling device. No. 1,065,628; June 24; Gaz. vol. 191; p. 940.
- Rugtvet, Ole G., Longmont, Colo. Steel-spring automobile-tire. No. 1,068,532; July 29; Gaz. vol. 192; p. 1039.
- Ruhland, Josef, assignor to Gebr. Welkersheimer, Munich, Germany. Sowing-machine. No. 1,058,468; Apr. 8; Gaz. vol. 189; p. 414.
- Rühling, Waldemar, Berlin, Germany. Arc-lamp. No. 1,050,072; Jan. 7; Gaz. vol. 186; p. 256.
- Ruhlmann, Theodor, New York, N. Y. Rotary motor. No. 1,078,168; Nov. 11; Gaz. vol. 196; p. 349.
- Ruhm, Herman D., Buffalo, assignor to Niagara Alkali Company, Niagara Falls, N. Y. Diaphragm for electrolytic apparatus. No. 1,082,286; Dec. 23; Gaz. vol. 197; p. 905.
- Ruhnau, Frank, Milwaukee, Wis. Packing-case for bottled goods and the like. No. 1,054,035; Feb. 25; Gaz. vol. 187; p. 862.
- Ruland, Martin V. B., Brooklyn, N. Y. Wire hoisting-bridle. No. 1,063,738; June 3; Gaz. vol. 191; p. 197.
- Rullman, Frank B., Hiawatha, Kans. Window-locking device. No. 1,061,569; May 13; Gaz. vol. 190; p. 383.
- Rumely, Edward A., assignor to M. Rumely Company, LaPorte, Ind. Carbureter. No. 1,055,084; Mar. 4; Gaz. vol. 188; p. 147.
- Rumely, Edward A., assignor to M. Rumely Company, LaPorte, Ind. Tractor. No. 1,055,085; Mar. 4; Gaz. vol. 188; p. 148.
- Rumfelt, Clarence P., Oakland, Cal. Oil-can. No. 1,056,945; Mar. 25; Gaz. vol. 188; p. 877.
- Rummier, Eugene A., Winnetka, Ill., assignor, by mesne assignments, to The Wenborne-Karpen Dryer Co. Dry-kiln. No. 1,055,359; Mar. 11; Gaz. vol. 188; p. 274.
- Rumohr, Anson R., Vancouver, British Columbia, Canada. Tenon-machine gage. No. 1,082,048; Dec. 23; Gaz. vol. 197; p. 823.
- Rumold, Christian F., Berea, Ky. Automatic two-fluid cut-off. No. 1,051,768; Jan. 28; Gaz. vol. 186; p. 934.
- Rumpf, Fredrick. (See Rumpf, Herman and F.)
- Rumpf, Herman, Bellevue, and F. Rumpf, Newport, Ky.; said F. Rumpf assignor to said Herman Rumpf. Collapsible bolster-roll. No. 1,071,799; Sept. 2; Gaz. vol. 194; p. 46.
- Rumsey, James W., and W. H. Sheasby, Chicago, Ill. Car-door seal. No. 1,078,557; Nov. 11; Gaz. vol. 196; p. 483.
- Rumsey, James W., and W. H. Sheasby, Chicago, Ill. Car-door frame. No. 1,079,922; Nov. 25; Gaz. vol. 196; p. 1020.
- Rumsey, James W., and W. H. Sheasby, Chicago, Ill. Combined handle and lock for car-doors. No. 1,079,923; Nov. 25; Gaz. vol. 196; p. 1020.
- Rundel, Morgan W., Birmingham, Mich. Bed. No. 1,064,858; June 17; Gaz. vol. 191; p. 646.
- Rundle, William J. (See Arnsburger, Frederick H., assignor.)
- Rundlöf, Erik A., Stockholm, Sweden. Means for regulating the stroke of pumps. No. 1,055,086; Mar. 4; Gaz. vol. 188; p. 148.
- Runge, William, assignor to The Seneca Falls Manufacturing Company, Seneca Falls, N. Y. Feed-control mechanism for machine-tools. No. 1,052,279; Feb. 4; Gaz. vol. 187; p. 150.
- Runkel, Peter, Neuwied, Germany. Feed-regulator for coffee, spice mills, and the like. No. 1,076,153; Oct. 21; Gaz. vol. 195; p. 592.
- Runnels, David S., Appleton, Wis. Vessel-cleaning machine. No. 1,076,066; Oct. 21; Gaz. vol. 195; p. 563.
- Runner, John B., assignor to Standard Tool & Manufacturing Company, Indianapolis, Ind. Trowel. No. 1,080,075; Dec. 2; Gaz. vol. 197; p. 55.
- Runner, Joseph E., and I. M. Abram, assignors to I. M. Abram, Dugger, Ind. Trowel. No. 1,074,646; Oct. 7; Gaz. vol. 195; p. 20.
- Runnion, Alonzo, assignor to O. J. Chambers and L. S. Goff, Spencer, W. Va. Gas cut-off. No. 1,055,803; Mar. 11; Gaz. vol. 188; p. 422.
- Runser, John, assignor of one-fourth to L. E. Aurentz and one-fourth to C. H. Pierson, Fort Wayne, Ind. Meat-cutter. No. 1,065,843; June 24; Gaz. vol. 191; p. 1012.
- Runser, Karl W., *et al.* (See Burgum, William C., assignor.)
- Runyan, Arthur L., Huron, S. D. Advertising-display mechanism. No. 1,081,001; Dec. 9; Gaz. vol. 197; p. 407.
- Rupard, Albert S. (See Morton and Rupard.)
- Rupert, Nolan, Monkland Station, Ontario, Canada. Stirrup. No. 1,059,074; Apr. 15; Gaz. vol. 189; p. 661.
- Rupp, Robert M. (See Baltzley, Oren F., assignor.)
- Ruppel, Wilhelm, assignor to Farbwerke vorm. Meister Lucius & Brüning, Höchst-on-the-Main, Germany. Producing a remedy for tuberculosis. No. 1,050,299; Jan. 14; Gaz. vol. 186; p. 367.
- Ruppert, Jacob, Jr., and E. Siegel, assignors of fifty-two one-hundredths to J. Ruppert, Jr., twenty-four one-hundredths to E. Siegel, and twenty-four one-hundredths to M. J. Cantor, New York, N. Y. Automobile-tire. No. 1,057,672; Apr. 1; Gaz. vol. 189; p. 95.
- Rupprecht, Georg, Hamburg, Germany. Manufacture of fluorescent substances. No. 1,073,932; Sept. 23; Gaz. vol. 194; p. 872.
- Ruprecht, Charles C., Cleveland, Ohio. Rectifier. No. 1,059,002; Apr. 15; Gaz. vol. 189; p. 636.
- Ruprecht, Charles C., Cleveland, Ohio. Method of and apparatus for rectifying electric currents. No. 1,059,003; Apr. 15; Gaz. vol. 189; p. 637.
- Rupschmidt, Albert. (See Habbert, Nixdorf, and Rupschmidt.)
- Ruscher, Peter J., assignor to R. Schiffmann Company, St. Paul, Minn. Cigarette-machine. No. 1,057,983; Apr. 1; Gaz. vol. 189; p. 200.
- Ruschhaupt, Frederick M., assignor to American Flexible Slate and Covering Co., Milwaukee, Wis. Composition of matter to be used as a flexible covering. No. 1,051,769; Jan. 28; Gaz. vol. 186; p. 935.
- Rush, Allan C., Los Angeles, Cal. Deep-water bridge-pier and means for and method of constructing the same. No. 1,079,517; Nov. 25; Gaz. vol. 196; p. 876.
- Rush, Charles, assignor of one-half to B. M. Hanna, Pittsburgh, Pa. Wrench. No. 1,076,319; Oct. 21; Gaz. vol. 195; p. 650.

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- Rush, Charles A., La Grange, Ill. Smoke-consumer. No. 1,061,502; May 13; Gaz. vol. 190; p. 357.
- Rush, Charles G., Chicago, Ill. Adjustable combined shade and hood holder. No. 1,083,218; Dec. 30; Gaz. vol. 197; p. 1251.
- Rush, Chris C., Hot Springs, Ark. Saloon-stock-recording chart. No. 1,073,364; Sept. 16; Gaz. vol. 194; p. 654.
- Rush, Harold. (See Weintraub and Rush.)
- Rush, Harry C., Dawson, Pa. Valve-removing apparatus. No. 1,069,028; July 29; Gaz. vol. 192; p. 1212.
- Rush, Joseph K., Syracuse, N. Y. Gas-lighter. No. 1,063,392; June 3; Gaz. vol. 191; p. 76.
- Rush, Joseph K., Syracuse, N. Y. Lighting attachment for gas-burners. No. 1,066,847; July 8; Gaz. vol. 192; p. 357.
- Rushmore, Samuel W., Plainfield, N. J. Electrical engine-starter. No. 1,079,725; Nov. 25; Gaz. vol. 196; p. 949.
- Rushton, Kenneth, and E. M. Shannon, assignors to The Baldwin Locomotive Works, Philadelphia, Pa. Rear swing-truck for locomotives. No. 1,060,499; Apr. 29; Gaz. vol. 189; p. 1224.
- Rusk, Newton, San Diego, Cal. Multiple-exposure attachment for cameras. No. 1,056,588; Mar. 18; Gaz. vol. 188; p. 724.
- Rusk, Newton, assignor of one-half to D. Gochenauer, San Diego, Cal. Automatic sash-lock. No. 1,080,172; Dec. 2; Gaz. vol. 197; p. 89.
- Rusnak, Samuel, Chicago, Ill. Bed fabric. No. 1,078,880; Nov. 18; Gaz. vol. 196; p. 628.
- Russ Automatic Labeling Co. (See Shults, James C., assignor.)
- Russ, Howard C., New York, A. T. Beach, Brooklyn, N. Y., and H. F. Kleinfeldt, Newark, N. J., assignors to Abbe Engineering Company. Manufacture of mustard. No. 1,077,164; Oct. 28; Gaz. vol. 195; p. 995.
- Russ, John B., Shelton, assignor to Robert N. Bassett Company, Derby, Conn. Button-tab end. No. 1,080,785; Dec. 9; Gaz. vol. 197; p. 333.
- Russ, John D., Spencer, W. Va. Piston for internal-combustion engines. No. 1,063,602; June 3; Gaz. vol. 191; p. 148.
- Russ, John D., Spencer, W. Va. Gas and air mixer. No. 1,065,551; June 24; Gaz. vol. 191; p. 913.
- Russ, John D., Spencer, W. Va. Check-valve for internal-combustion engines. No. 1,065,552; June 24; Gaz. vol. 191; p. 914.
- Russ, Rudolf, assignor of one-half to Stolle & Kopke, Rumburg, Austria-Hungary. Obtaining sulfonated oils and fats. No. 1,081,775; Dec. 16; Gaz. vol. 197; p. 701.
- Russell, Albert E. (See Collins, Kerr, and Russell.)
- Russell, Alonzo, Allen, Okla. Safety attachment for trucks. No. 1,060,129; Apr. 29; Gaz. vol. 189; p. 1093.
- Russell, Andrew N., and I. G. Mason, assignors of one-third to Ticonderoga Machine Works, Ticonderoga, N. Y. Muffler. No. 1,059,910; Apr. 22; Gaz. vol. 189; p. 976.
- Russell, Arthur B., Grand Rapids, Mich. Furniture-brace. No. 1,066,421; July 1; Gaz. vol. 192; p. 179.
- Russell, Arthur L., Hyde Park, Mass., assignor to United Shoe Machinery Company, Paterson, N. J. Lasting-machine. No. 1,060,130; Apr. 29; Gaz. vol. 189; p. 1093.
- Russell, Arthur L., Hyde Park, Mass., assignor to United Shoe Machinery Company, Paterson, N. J. Machine for use in the manufacture of boots and shoes. No. 1,060,710; May 6; Gaz. vol. 190; p. 51.
- Russell, Arthur L., Hyde Park, Mass., assignor to United Shoe Machinery Company, Paterson, N. J. Lasting-machine. No. 1,060,711; May 6; Gaz. vol. 190; p. 52.
- Russell, Arthur L., Hyde Park, Mass., assignor to United Shoe Machinery Company, Paterson, N. J. End-lasting mechanism. No. 1,080,235; Dec. 2; Gaz. vol. 197; p. 111.
- Russell, Calvin, assignor to C. H. Russell, Penn Yan, N. Y. Roofing. No. 1,070,738; Aug. 19; Gaz. vol. 193; p. 637.
- Russell, Carrie H. (See Russell, Calvin, assignor.)
- Russell, Charles C., Greenfield, Mass. Screw-plate. No. 1,061,129; May 6; Gaz. vol. 190; p. 196.
- Russell, Charles C., Greenfield, Mass. Screw-plate. No. 1,074,466; Sept. 30; Gaz. vol. 194; p. 1079.
- Russell, Charles C., Chicago, Ill. Autopneumatic organ. No. 1,070,739; Aug. 19; Gaz. vol. 193; p. 638.
- Russell, Charles M., New York, N. Y. Sales-ticket holder. No. 1,069,728; Aug. 12; Gaz. vol. 193; p. 250.
- Russell, Cornelius W., Chicago, Ill. Closure for sewage-disposal systems. No. 1,051,519; Jan. 28; Gaz. vol. 186; p. 853.
- Russell, Ernest W., Vallejo, Cal. Machine for making change. No. 1,070,920; Aug. 19; Gaz. vol. 193; p. 696.
- Russell, Ernestine, Enid, Okla. Life-preserver. No. 1,074,817; Oct. 7; Gaz. vol. 195; p. 78.
- Russell, Frederic W., Redditch, England. Screw-driving mechanism. No. 1,082,771; Dec. 30; Gaz. vol. 197; p. 1107.
- Russell, G. H. (See Carden, Luther W., assignor.)
- Russell, Gavin W. (See Carson and Russell.)
- Russell, George C., Hudson, Iowa. Washboiler-strainer. No. 1,051,013; Jan. 21; Gaz. vol. 186; p. 649.
- Russell, Henry H., New York, N. Y., assignor to W. D. Hodson, Janesville, Wis. Electrical heating unit. No. 1,071,350; Aug. 26; Gaz. vol. 193; p. 874.
- Russell, Henry M., Jr., Wheeling, W. Va. Drinking-cup. No. 1,081,468; Dec. 16; Gaz. vol. 197; p. 600.
- Russell, Henry M., Jr., Wheeling, W. Va. Closure for collapsible tubes and the like. No. 1,081,555; Dec. 16; Gaz. vol. 197; p. 629.
- Russell, James, London, England. Curtain pole and ring. No. 1,058,793; Apr. 15; Gaz. vol. 189; p. 561.
- Russell, James C., Pittsburgh, Pa. Metal article. No. 1,080,590; Dec. 9; Gaz. vol. 197; p. 266.
- Russell, John G., Farmington, Mo. Fence-clamp. No. 1,069,727; Aug. 12; Gaz. vol. 193; p. 249.
- Russell, John G., Farmington, Mo. Fence-post. No. 1,071,093; Aug. 26; Gaz. vol. 193; p. 788.
- Russell John L., Albion, Cal. Liquid-level. No. 1,059,396; Apr. 22; Gaz. vol. 189; p. 807.
- Russell Manufacturing Company, The. (See Fisher, William C., assignor.)
- Russell Mfg. Co. (See Frissell, Frank H., assignor.)
- Russell, Perry E. (See Ringer, John H., assignor.)
- Russell, Plummer D., Pueblo, Colo. Obstetrical instrument. No. 1,072,038; Sept. 2; Gaz. vol. 194; p. 126.
- Russell, Samuel B. (See Hays and Russell.)
- Russell, Thomas N., Chicago, Ill., assignor to Chicago-Cleveland Car Roofing Company. Car-roof. No. 1,080,173; Dec. 2; Gaz. vol. 197; p. 89.
- Russell, Thomas N., assignor to Chicago-Cleveland Car Roofing Company, Chicago, Ill. Car-roof. No. 1,082,974; Dec. 30; Gaz. vol. 197; p. 1176.
- Russell, Wallace B., Chicago, Ill. Therapeutic device. No. 1,073,524; Sept. 16; Gaz. vol. 194; p. 707.
- Russell, Wallace B., Chicago, Ill. Therapeutic device. No. 1,073,525; Sept. 16; Gaz. vol. 194; p. 708.
- Russell, Whitman, Greenfield, Mass. Internal-combustion engine. No. 1,072,777; Sept. 9; Gaz. vol. 194; p. 408.
- Russell, William A., and A. G. Weiser, assignors to Thomas-Russell Lock Company, Los Angeles, Cal. Latch mechanism for locks. No. 1,074,296; Sept. 30; Gaz. vol. 194; p. 1021.
- Russell, William E., Danbury, Conn. Electric bell. No. 1,053,111; Feb. 11; Gaz. vol. 187; p. 466.
- Russell, William H., Stockton, Cal. Locomotive-stack cover. No. 1,055,232; Mar. 4; Gaz. vol. 188; p. 192.
- Rust, Albert J., Williams, Cal. Rotary pump. No. 1,050,300; Jan. 14; Gaz. vol. 186; p. 367.
- Rust, Orton G., Springfield, Ohio. Suspender-end. No. 1,076,154; Oct. 21; Gaz. vol. 195; p. 593.
- Rust, Orton G., Springfield, Ohio. Suspender-end. No. 1,079,726; Nov. 25; Gaz. vol. 196; p. 950.
- Rust, William F., and C. H. Hunt, Youngstown, Ohio. Screw-down for rolling-mills. No. 1,074,529; Sept. 30; Gaz. vol. 194; p. 1097.
- Ruston, James, Athens, Ohio. Kiln. No. 1,055,233; Mar. 4; Gaz. vol. 188; p. 193.
- Ruszkowski, Frank, New York, N. Y. Envelop-sealing machine. No. 1,072,262; Sept. 2; Gaz. vol. 194; p. 200.
- Rutan, Archie N., Elmira, N. Y. Refacing and recounter-boring tool. No. 1,073,526; Sept. 16; Gaz. vol. 194; p. 708.
- Ruth, John F., St. Louis, Mo. Metallic pivoted-sash window. No. 1,055,493; Mar. 11; Gaz. vol. 188; p. 319.
- Rutherford, Robert, Portland, Oreg. Spring-wheel. No. 1,063,219; June 3; Gaz. vol. 191; p. 17.
- Rutherford, Wilbert F., Newport, Oreg. Damper. No. 1,082,174; Dec. 23; Gaz. vol. 197; p. 864.
- Ruthrauff, Edwin G. (See Gard and Ruthrauff.)
- Ruthven, Alfred L., Topeka, Kans. Controlling mechanism. No. 1,058,107; Apr. 8; Gaz. vol. 189; p. 288.
- Rutkowski, John S., and W. T. Hutchison, South Bend, Ind.; said Rutkowski assignor to said Hutchison. Front-wheel drive and steer for motor-vehicles. No. 1,080,591; Dec. 9; Gaz. vol. 197; p. 266.
- Rutland, Hedley, York, Pa. Artificial tooth. No. 1,073,365; Sept. 16; Gaz. vol. 194; p. 654.
- Rutledge, Caleb C., Alvord, Tex. Pipe-bending machine. No. 1,079,442; Nov. 25; Gaz. vol. 196; p. 850.
- Rutledge, Jerome T., Millbury, Mass. Making rivet-cloth. No. 1,066,439; July 1; Gaz. vol. 192; p. 185.
- Rutledge, Jerome T., Millbury, Mass. Apparatus for making rivet-cloth. No. 1,071,264; Aug. 26; Gaz. vol. 193; p. 845.
- Rutledge, Robert P., and R. G. Boland, Scranton, Tex. Harrow-tooth. No. 1,061,570; May 13; Gaz. vol. 190; p. 383.
- Ruttan, Alfred A., and C. E. Hutchings, assignors to Eastman Kodak Company, Rochester, N. Y. View-finder. No. 1,060,636; May 6; Gaz. vol. 190; p. 25.
- Ruttan, Alfred A., and C. E. Hutchings, assignors to Eastman Kodak Company, Rochester, N. Y. View-finder. No. 1,066,848; July 8; Gaz. vol. 192; p. 357.
- Rutter, Sidney E., Camberwell, London, assignor to W. G. Harris, London, England. Blouse-retainer and skirt-supporter. No. 1,059,911; Apr. 22; Gaz. vol. 189; p. 976.
- Rund, Edwin, Pittsburgh, Pa. Water-heater. No. 1,050,564; Jan. 14; Gaz. vol. 186; p. 460.

Alphabetical list of patentees—Continued.

- Ruud, Edwin, Pittsburgh, Pa. Automatic temperature control for self-heating flat-irons. No. 1,074,467; Sept. 30; Gaz. vol. 194; p. 1079.
- Ruud, Edwin, Pittsburgh, Pa. Automatic temperature control for self-heating flat-irons. No. 1,075,991; Oct. 14; Gaz. vol. 195; p. 510.
- Rux, Ferdinand G., Tigerton, assignor of one-half to G. H. Drewry, Waldo, Wis. Map-case. No. 1,070,989; Aug. 19; Gaz. vol. 193; p. 717.
- Ryalls, John H., Charlottesville, Va. Reversing mechanism for the band-cylinders of spinning-mules. No. 1,082,912; Dec. 30; Gaz. vol. 197; p. 1155.
- Ryan Car Company. (See Ryan, William M., assignor.)
- Ryan, Catharine, St. Paul, Minn. Nut-lock. No. 1,061,871; May 13; Gaz. vol. 190; p. 480.
- Ryan, Catherine, St. Paul, Minn. Self-locking bolt. No. 1,064,546; June 10; Gaz. vol. 191; p. 506.
- Ryan, Catherine, St. Paul, Minn. Nut-lock. No. 1,064,934; June 17; Gaz. vol. 191; p. 669.
- Ryan, Edward, Chicago, Ill. Tender for engines. No. 1,051,639; Jan. 28; Gaz. vol. 186; p. 892.
- Ryan, Edward J., Buffalo, N. Y. Display-form. No. 1,077,560; Nov. 4; Gaz. vol. 196; p. 111.
- Ryan, Harris J., Palo Alto, Cal., assignor to General Electric Company. Method of and means for measuring power in electric circuits. No. 1,069,187; Aug. 5; Gaz. vol. 193; p. 34.
- Ryan, Isaac H., Lancaster, Pa. Burial-vault. No. 1,063,393; June 3; Gaz. vol. 191; p. 76.
- Ryan, James. (See O'Boyle, O'Brien, Ryan, and Thayer.)
- Ryan, James A., Newark, N. J. Hand seal-press. No. 1,055,494; Mar. 11; Gaz. vol. 188; p. 319.
- Ryan, James B., Hoboken, N. J., assignor, by mesne assignments, to Automatic Gun Control Company, New York, N. Y. Electrically-operated gun control. (Re-issue.) No. 13,514; Jan. 14; Gaz. vol. 186; p. 535.
- Ryan, John C., Crosby, Tex. Attachment for rocking-chairs. No. 1,072,995; Sept. 9; Gaz. vol. 194; p. 489.
- Ryan, John T., Vallejo, Cal., assignor to American Tire Armor Company, Phoenix, Ariz. Tire-protector. No. 1,063,290; June 3; Gaz. vol. 191; p. 41.
- Ryan, John T., Vallejo, Cal., assignor to American Tire Armor Company, Phoenix, Ariz. Armored pneumatic tire. No. 1,063,291; June 3; Gaz. vol. 191; p. 42.
- Ryan, L. D., Cortland, N. Y. Friction transmission mechanism. No. 1,076,155; Oct. 21; Gaz. vol. 195; p. 593.
- Ryan, Lawrence F., New York, N. Y. Retaining means for receptacle-covers. No. 1,051,014; Jan. 21; Gaz. vol. 186; p. 649.
- Ryan, Michael C. (See Sherwood, Howard M., assignor.)
- Ryan, Michael E., Fall River, Mass. Automatic feed for fibers and the like. No. 1,074,468; Sept. 30; Gaz. vol. 194; p. 1079.
- Ryan, Morgan, Chatsworth, Ill. End-gate for wagons. No. 1,061,409; May 13; Gaz. vol. 190; p. 325.
- Ryan, Ralph B., St. Louis, Mo. Damper-operating device. No. 1,055,659; Mar. 11; Gaz. vol. 188; p. 373.
- Ryan, Thomas, Philadelphia, Pa. Automatic hose and fabric cutting attachment for knitting-machines. No. 1,056,589; Mar. 18; Gaz. vol. 188; p. 725.
- Ryan, Thomas H., San Francisco, Cal. Apparatus for handling eggs. No. 1,049,608; Jan. 7; Gaz. vol. 186; p. 100.
- Ryan, William J. (See Johnston, Jeffries, and Ryan.)
- Ryan, William M., assignor to Ryan Car Company, Chicago, Ill. Railway-car. No. 1,069,729; Aug. 12; Gaz. vol. 193; p. 250.
- Ryan, William M., assignor to Ryan Car Company, Chicago, Ill. Railway-car. No. 1,069,730; Aug. 12; Gaz. vol. 193; p. 250.
- Rydberg, John T., Garwood, N. J. Clamping device. No. 1,049,402; Jan. 7; Gaz. vol. 186; p. 29.
- Ryden, Claes. (See Harvey and Ryden.)
- Ryden, Claes, Providence, R. I., assignor to Universal Winding Company, Portland, Me. Yarn-guide. No. 1,050,850; Jan. 21; Gaz. vol. 186; p. 590.
- Ryden, Claes, Providence, R. I., assignor to Universal Winding Company, Portland, Me. Reel or swift. No. 1,055,419; Mar. 11; Gaz. vol. 188; p. 294.
- Ryden, Claes, Providence, R. I., assignor to Universal Winding Company, Portland, Me. Winding-machine. No. 1,062,420; May 20; Gaz. vol. 190; p. 707.
- Ryden, Claes, Providence, R. I., assignor to Universal Winding Company, Portland, Me. Tension device. No. 1,066,849; July 8; Gaz. vol. 192; p. 357.
- Ryden, Claes, and F. D. Babcock, Providence, R. I., assignors to Universal Winding Company, Portland, Me. Winding-machine. No. 1,062,930; May 27; Gaz. vol. 190; p. 918.
- Ryder, Frank P., Boston, Mass. Can-marking machine. No. 1,049,924; Jan. 7; Gaz. vol. 186; p. 205.
- Ryder, Frank P., Niagara Falls, N. Y. Cap sorting and placing machine. No. 1,050,565; Jan. 14; Gaz. vol. 186; p. 460.
- Ryder, Malcolm P., White Plains, N. Y. Generator of intermittent electric currents. No. 1,062,361; May 20; Gaz. vol. 190; p. 688.
- Ryder, Malcolm P., Springfield, Mass. Igniter for internal-combustion engines. No. 1,067,275; July 15; Gaz. vol. 192; p. 540.
- Rydquist, Adolph, Rochester, N. Y. Time-recorder. No. 1,067,442; July 15; Gaz. vol. 192; p. 597.
- Ryerson, Daniel, Moline, Ill., assignor to Velle Carriage Company. Axle. No. 1,078,698; Nov. 18; Gaz. vol. 196; p. 565.
- Ryerson, Oscar S., Worcester, Mass. Corn-popper. No. 1,064,011; June 10; Gaz. vol. 191; p. 323.
- Rylands, George F. (See Bartley, Charles B., assignor.)
- Rylands, Thomas H., assignor to The Union Metallic Cartridge Company, Bridgeport, Conn. Combined base-cup and primer-pocket for cartridges. No. 1,082,975; Dec. 30; Gaz. vol. 197; p. 1176.
- Rymes, Charles E., Toronto, Ontario, Canada. Safety gas-burner. No. 1,050,851; Jan. 21; Gaz. vol. 186; p. 591.
- Ryon, Eppa H., Worcester, Mass., assignor to Crompton & Knowles Loom Works. Traverse-motion for winding yarn on bobbins. No. 1,051,919; Feb. 4; Gaz. vol. 187; p. 25.
- Ryon, Eppa H., Worcester, Mass., assignor to Crompton & Knowles Loom Works. Warper. No. 1,061,012; May 6; Gaz. vol. 190; p. 157.
- Ryon, Eppa H., Waltham, Mass., assignor to Crompton & Knowles Loom Works. Loom shuttle-check. No. 1,053,066; Feb. 11; Gaz. vol. 187; p. 450.
- Ryon, Eppa H., Waltham, Mass., assignor to Crompton & Knowles Loom Works. Spinning-frame. No. 1,055,660; Mar. 11; Gaz. vol. 188; p. 373.
- Ryon, Eppa H., Waltham, Mass., assignor to Crompton & Knowles Loom Works. Cop or bobbin winding machine. No. 1,061,013; May 6; Gaz. vol. 190; p. 157.
- Ryon, Eppa H., Waltham, Mass., assignor to Crompton & Knowles Loom Works. Shedding mechanism for looms. No. 1,068,822; July 29; Gaz. vol. 192; p. 1143.
- Ryon, Eppa H., Waltham, Mass., assignor to Crompton & Knowles Loom Works. Shuttle-check for looms. No. 1,068,823; July 29; Gaz. vol. 192; p. 1143.
- Ryon, Eppa H., Waltham, Mass., assignor to Crompton & Knowles Loom Works. Loom. No. 1,069,034; July 29; Gaz. vol. 192; p. 1214.
- Ryon, Eppa H., Waltham, Mass., assignor to Crompton & Knowles Loom Works. Pattern mechanism for looms. No. 1,073,635; Sept. 23; Gaz. vol. 194; p. 768.
- Ryon, Eppa H., Waltham, Mass., assignor to Crompton & Knowles Loom Works. Weft-replenishing loom. No. 1,074,530; Sept. 30; Gaz. vol. 194; p. 1097.
- Ryon, Eppa H., Waltham, Mass., assignor to Crompton & Knowles Loom Works. Head-motion for looms. No. 1,075,862; Oct. 14; Gaz. vol. 195; p. 465.
- Ryon, Eppa H., Waltham, Mass., assignor to Crompton & Knowles Loom Works. Shedding mechanism for looms. No. 1,077,757; Nov. 4; Gaz. vol. 196; p. 177.
- Ryon, Eppa H., Waltham, Mass., assignor to Crompton & Knowles Loom Works. Warp stop-motion. No. 1,079,025; Nov. 18; Gaz. vol. 196; p. 680.
- Ryone, Eugene S., Bristol, assignor, by mesne assignments, to C. A. Cartier, Providence, R. I. Automobile tire-pump. No. 1,071,628; Aug. 26; Gaz. vol. 193; p. 966.
- Rypinski, Albert B. (See Rhodes and Rypinski.)
- Rypinski, Maurice C., Pittsburgh, assignor, by mesne assignments, to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Meter-switch. No. 1,049,403; Jan. 7; Gaz. vol. 186; p. 29.
- Rypinski, Maurice C., New York, N. Y., assignor, by mesne assignments, to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Electric measuring instrument. No. 1,059,004; Apr. 15; Gaz. vol. 189; p. 637.
- Rystedt, Ingemar, and M. Steele, Dayton, Ohio. Flying-machine. No. 1,075,863; Oct. 14; Gaz. vol. 195; p. 465.
- Ryther, Henry A., Montague, assignor to Millers Falls Company, Millers Falls, Mass. Change-speed gearing. No. 1,064,012; June 10; Gaz. vol. 191; p. 323.
- S. Karpen & Bros. (See Andren, Fritz L., assignor.)
- S. Mordan and Company. (See Norris, Edward, assignor.)
- S. Smith & Son. (See Dorer, Primus O., assignor.)
- S. E. T. Valve & Hydrant Company, New York. (See Tyler, Clarence E., assignor.)
- S. F. Bowser & Co. (See Bowser, Harry M. and A. A., assignors.)
- S. F. Bowser & Company. (See Bowser, Allen A., assignor.)
- S. F. Bowser & Company. (See Morris, William L., assignor.)
- S. & H. Supply and Machinery Company, The. (See Fuenfstueck, Gustav, assignor.)
- S. R. Dresser Manufacturing Company. (See Boothe, George P., assignor.)
- S. R. Dresser Manufacturing Company. (See Clark, James, assignor.)
- S. R. Dresser Manufacturing Company. (See Whitaker, Louis P., assignor.)
- S. S. White Dental Manufacturing Company, The. (See Browne, Arthur W., assignor.)
- S. S. White Dental Manufacturing Company, The. (See Davis and Leuchsenring, assignors.)

Alphabetical list of patentees—Continued.

- S. S. White Dental Manufacturing Company, The. (See Evans, William W., assignor.)
- S. S. White Dental Manufacturing Company, The. (See Gilbert, Edmund D., assignor.)
- S. S. White Dental Manufacturing Company, The. (See Johnston, Browne, and Wallace, assignors.)
- S. W. Evans & Son. (See Lutz, John, assignor.)
- Saalburg, Charles W., New York, N. Y. Exhibition device. No. 1,053,650; Feb. 18; Gaz. vol. 187; p. 695.
- Saari, Arvid, Duluth, Minn. Railway-tie plate. No. 1,082,471; Dec. 23; Gaz. vol. 197; p. 966.
- Sabard, Edouard A. A., Blois, France. Automatic locking device for sewing-machines with counting and registering mechanisms. No. 1,056,838; Mar. 25; Gaz. vol. 188; p. 838.
- Sabatino, John, Richmond Hill, N. Y. Vibratory massage apparatus. No. 1,069,814; Aug. 12; Gaz. vol. 193; p. 279.
- Sabin-Curtis Machine Company, The. (See Tozer, Archibald B., assignor.)
- Sabine, Annie P. (See Sabine, William G., assignor.)
- Sabine, William G., assignor to A. P. Sabine, Youngstown, Ohio. Sound-modifying device. No. 1,065,888; June 24; Gaz. vol. 191; p. 1028.
- Sabo, John J., Pittsburgh, Pa. Pinch-bar for moving cars. No. 1,050,852; Jan. 21; Gaz. vol. 186; p. 591.
- Sabo, John J., Pittsburgh, Pa. Trolley. No. 1,076,788; Oct. 28; Gaz. vol. 195; p. 869.
- Sabroe, Thomas T., Copenhagen, Denmark. Apparatus for the pneumatic control of milking-pulsators. No. 1,070,740; Aug. 19; Gaz. vol. 193; p. 639.
- Sacca, Anthony, assignor of one-half to A. De Paul, Philadelphia, Pa. Bottle-closure. No. 1,053,225; Feb. 18; Gaz. vol. 187; p. 548.
- Sachs, Ernst, Schweinfurt, Germany. Device for fastening coaster-brakes. No. 1,063,069; May 27; Gaz. vol. 190; p. 963.
- Sachs, Joseph, assignor to The Sachs Laboratories, Incorporated, Hartford, Conn. Electric-lamp adjuster. No. 1,064,777; June 17; Gaz. vol. 191; p. 620.
- Sachs, Joseph, assignor to The Sachs Laboratories, Incorporated, Hartford, Conn. Lamp-cord adjuster and the like. No. 1,067,554; July 15; Gaz. vol. 192; p. 634.
- Sachs, Joseph, assignor to The Sachs Laboratories, Incorporated, Hartford, Conn. Shade-reflector. No. 1,069,035; July 29; Gaz. vol. 192; p. 1215.
- Sachs, Joseph, assignor to The Sachs Laboratories, Incorporated, Hartford, Conn. Support for electrical taps or outlets. No. 1,076,236; Oct. 21; Gaz. vol. 195; p. 620.
- Sachs, Joseph, assignor to The Sachs Laboratories Incorporated, Hartford, Conn. Coupling. No. 1,082,558; Dec. 30; Gaz. vol. 197; p. 1030.
- Sachs Laboratories Incorporated, The. (See Sachs, Joseph, assignor.)
- Sachsenröder, Gustav, Barmen-Unterbarmen, Germany. Parchment button. No. 1,079,365; Nov. 25; Gaz. vol. 196; p. 825.
- Sachsse, Arthur, New York, N. Y. Storage plant for explosive liquids. No. 1,053,878; Feb. 18; Gaz. vol. 187; p. 771.
- Sachtleben, Friedrich, assignor to Fried. Krupp Aktiengesellschaft, Essen-on-the-Ruhr, Germany. Hydraulic recoil-brake. No. 1,063,070; May 27; Gaz. vol. 190; p. 964.
- Sacket, Charles T., Livingston, Mont. Automatic weir. No. 1,073,174; Sept. 16; Gaz. vol. 194; p. 586.
- Sackett, Charles E., Danbury, Conn. Draw-clasp. No. 1,064,013; June 10; Gaz. vol. 191; p. 323.
- Sackett, John W., Jacksonville, Fla. Reciprocating-scoop drag. No. 1,068,933; July 29; Gaz. vol. 192; p. 1182.
- Sackett, John W., Jacksonville, Fla. Oscillatory-grating drag. No. 1,068,934; July 29; Gaz. vol. 192; p. 1182.
- Saco-Lowell Shops. (See Thompson, Albert W., assignor.)
- Saco-Pettee Company. (See Blake and Goldsmith, assignors.)
- Saco-Pettee Company. (See Goldsmith, William H., Jr., assignor.)
- Sadleir, William G. (See Greene and Sadleir.)
- Sadler, Orin W., Jr. (See Haley, Sydney C., assignor.)
- Sadowske, Joseph. (See Blumberg, Hyman, assignor.)
- Sadtler, Samuel S., Flourtown, assignor to E. W. Bacon, Philadelphia, Pa. Treating paper. No. 1,060,366; Apr. 29; Gaz. vol. 189; p. 1178.
- Saefke, William M., Milwaukee, Wis. Valve. No. 1,069,188; Aug. 5; Gaz. vol. 193; p. 35.
- Saegmuller, George N., assignor to Bausch & Lomb Optical Company, Rochester, N. Y. Optical instrument. No. 1,060,131; Apr. 29; Gaz. vol. 189; p. 1094.
- Saehrendt, Paul E., Brooklyn, N. Y. Pocket adding-machine. No. 1,078,385; Nov. 11; Gaz. vol. 196; p. 428.
- Saenger, Charlotte W., New York, N. Y. Serving-table. No. 1,056,062; Mar. 18; Gaz. vol. 188; p. 544.
- Safe, Vault and Protection Company. (See Kercher, Gilbert N., assignor.)
- Safety Appliance Manufacturing Co. (See Moseley and Mendenhall, assignors.)
- Safety Armorite Conduit Company. (See Hodgkinson, Frank C., assignor.)
- Safety Car Heating and Lighting Company. (See Creveling, John L., assignor.)
- Safety Car Heating & Lighting Company. (See Dixon, Robert M., assignor.)
- Safety Car Heating & Lighting Company. (See Hulse, George E., assignor.)
- Safety Car Heating & Lighting Company. (See Lungren, Charles M., assignor.)
- Safety Car Heating & Lighting Company, The. (See Sofio, Edward C., assignor.)
- Safety Car Heating & Lighting Company. (See Thompson, Harrison G., assignor.)
- Safety Celluloid Company. (See Paschke, Frederick, assignor.)
- Safety Hasp Manufacturing Co. Inc., The. (See Edelin, James N., assignor.)
- Safety Manufacturing Company. (See Berstler, Joshua B., assignor.)
- Safety Tread Syndicate Limited, The. (See Higgins, Edward S., assignor.)
- Saffold, David B. (See Mock, Michael, assignor.)
- Safro, Aron, Jersey City, N. J., L. Sainberg and R. B. Sainburg, Brooklyn, N. Y. Bill-file. No. 1,080,022; Dec. 2; Gaz. vol. 197; p. 36.
- Sage, George W., assignor of one-half to W. R. Byars, San Diego, Cal. Safety cranking attachment for internal-combustion engines. No. 1,058,389; Apr. 8; Gaz. vol. 189; p. 387.
- Sage, Ralph V., Westmont borough, Pa. Steel box-car. No. 1,059,770; Apr. 22; Gaz. vol. 189; p. 932.
- Sage, Ralph V., Westmont, Pa. Car construction and arrangement of drop-doors and operating mechanism. No. 1,074,981; Oct. 7; Gaz. vol. 195; p. 133.
- Sage, Ralph V., Westmont, Pa. Car-door spreader. No. 1,077,561; Nov. 4; Gaz. vol. 196; p. 112.
- Sage, Ralph V., Westmont, Pa. Dumping-car-door spreader. No. 1,077,562; Nov. 4; Gaz. vol. 196; p. 112.
- Sage, Rollie C., and J. R. Fruit, Boise, Idaho. Electric-light fixture. No. 1,069,295; Aug. 5; Gaz. vol. 193; p. 72.
- Sagendorph, George A., Brookline, Mass. Fastener for metal lath. No. 1,068,081; July 22; Gaz. vol. 192; p. 846.
- Sager, James H., Rochester, N. Y. Cushion-frame for cycles. No. 1,062,800; May 27; Gaz. vol. 190; p. 874.
- Sahl, Johannes, Wiesbaden, Germany. Traveling requisite in bag form. No. 1,056,218; Mar. 18; Gaz. vol. 188; p. 597.
- Sahland, F. E., et al. (See Hudson, Elmer, assignor.)
- Sahn, Christian A., Indianapolis, Ind. Belt-skiver. No. 1,076,913; Oct. 28; Gaz. vol. 195; p. 914.
- Sahn, Rudolf P. O., Brooklyn, N. Y. Drawing-rule for irregular curves. No. 1,079,953; Dec. 2; Gaz. vol. 197; p. 11.
- Sailer, Ernst. (See Bausch, Hommel, Patterson, and Sailer.)
- Sainberg, Louis. (See Safro, Sainberg, and Sainburg.)
- Sainberg, Louis, New York, N. Y. Holder. No. 1,058,469; Apr. 8; Gaz. vol. 189; p. 414.
- Sainburg, Robert B. (See Safro, Sainberg, and Sainburg.)
- Saint-Martin, Jacques M. de, Paris, France. Connecting means for springs in vehicles and the like. No. 1,075,498; Oct. 14; Gaz. vol. 195; p. 341.
- Saint, William, Dayton, Ohio. Automatic safety device or stabilizer for heavier-than-air flying-machines. No. 1,050,566; Jan. 14; Gaz. vol. 186; p. 461.
- Saitta, James W., et al. (See Di Giovanni, Gaetano, assignor.)
- Sakai, Yasudiro. (See Conrad and Sakai.)
- Sakai, Yasudiro, East Pittsburgh, Pa., assignor to Westinghouse Electric and Manufacturing Company. Electrical terminal. No. 1,049,404; Jan. 7; Gaz. vol. 186; p. 30.
- Salaba, John F., St. Paul, Minn. Shoe-heel-nailing machine. No. 1,074,469; Sept. 30; Gaz. vol. 194; p. 1079.
- Salaberry, Georges E. M. G.-B. de, Fossé, France. Threshing-machine. No. 1,075,416; Oct. 14; Gaz. vol. 195; p. 313.
- Salget, David, assignor of one-third to A. J. Koenig and one-third to J. Salget, Saginaw, Mich. Rake attachment. No. 1,058,470; Apr. 8; Gaz. vol. 189; p. 414.
- Salget, Jerry, et al. (See Salget, David, assignor.)
- Salina, Paul. (See Tosco and Salina.)
- Salisbury Ball Bearing Mfg. Co. (See Salisbury, Clark W., assignor.)
- Salisbury, Clark W., assignor to Salisbury Ball Bearing Mfg. Co., Jamestown, N. Y. Ball-bearing device. No. 1,058,629; Apr. 8; Gaz. vol. 189; p. 467.
- Salisbury, Willie M., Minneapolis, Minn. Ash-sifter. No. 1,069,731; Aug. 12; Gaz. vol. 193; p. 251.
- Salla, Ulysses G., Anderson, S. C. Garment-supporter. No. 1,059,218; Apr. 15; Gaz. vol. 189; p. 710.
- Sallander, Carl G., Galveston, Tex. Miner's lamp. No. 1,068,533; July 29; Gaz. vol. 192; p. 1040.
- Sallows, James F., Lansing, Mich., assignor to A. O. Blach, Chicago, Ill. Case-hardening mixture. No. 1,079,954; Dec. 2; Gaz. vol. 197; p. 11.
- Sally, Frank, Mount Vernon, N. Y., assignor to Lanston Monotype Machine Company, Philadelphia, Pa. Type-casting machine. No. 1,079,366; Nov. 25; Gaz. vol. 196; p. 825.

Alphabetical list of patentees—Continued.

- Salmon, Lewis G., Philadelphia, Pa. Attachment for head-rests of barbers' or other chairs. No. 1,062,931; May 27; Gaz. vol. 190; p. 918.
- Salmon, William C., Gold Hill, Oreg. Steam cooking apparatus. No. 1,060,500; Apr. 29; Gaz. vol. 189; p. 1224.
- Salmore, Edward J. (See MacIntosh, Neil W., assignor.)
- Salmson, Emile J. J. (See Coutant and Salmson.)
- Salmave, Dewey A., assignor of one-half to A. Wood, Bangor, Mich. Door for silos. No. 1,079,518; Nov. 25; Gaz. vol. 196; p. 877.
- Salof, Alexander, Oakland, Cal. Folding umbrella. No. 1,065,729; June 24; Gaz. vol. 191; p. 973.
- Salonen, Sulo. (See Nordling, Gustaf R., assignor.)
- Salpetersäure-Industrie Gesellschaft, G. m. b. H. (See Pauling, Harry, assignor.)
- Saltalamachia, Anthony F., Huntington Park, Cal. Street-sprinkler. No. 1,052,094; Feb. 4; Gaz. vol. 187; p. 86.
- Salter, Leslie, London, England. Portable chain-stitch sewing-machine. No. 1,053,226; Feb. 18; Gaz. vol. 187; p. 548.
- Salter, Thomas C., San Francisco, Cal. Gage-glass fixture. No. 1,077,758; Nov. 4; Gaz. vol. 196; p. 178.
- Saltiel, John T., Los Angeles, Cal. Concrete building construction. No. 1,070,921; Aug. 19; Gaz. vol. 193; p. 696.
- Saltman, Philip, assignor of one-fifth to D. Blumberg, one-fifth to W. Forman, one-fifth to I. Green, and one-fifth to L. Greenberg, Philadelphia, Pa. Cloth-cutting machine. No. 1,062,529; May 20; Gaz. vol. 190; p. 742.
- Saltz, Max, New York, N. Y. Automobile-veil. No. 1,081,154; Dec. 9; Gaz. vol. 197; p. 456.
- Saltzman, Auguste L., East Orange, assignor to Thomas A. Edison, Incorporated, West Orange, N. J. Take-up device for motion-picture machines. No. 1,071,800; Sept. 2; Gaz. vol. 194; p. 46.
- Saltzman, Auguste L., East Orange, assignor, by mesne assignments, to New Jersey Patent Company, West Orange, N. J. Primary battery. No. 1,076,789; Oct. 28; Gaz. vol. 195; p. 869.
- Saltzman, Auguste L., East Orange, and J. D. Morgan, Summit, N. J. Means for positioning typographic surfaces. No. 1,056,839; Mar. 25; Gaz. vol. 188; p. 839.
- Saltzman, Elmer A., Noble, Iowa. Attachment for knives. No. 1,069,189; Aug. 5; Gaz. vol. 193; p. 35.
- Saltzman, Herman, *et al.* (See Eckschlager, Emil, assignor.)
- Saltzman, Joseph. (See Svebilus, Henry M., assignor.)
- Saltzman, Ralph, Avoca, N. Y. End-gate. No. 1,058,266; Apr. 8; Gaz. vol. 189; p. 344.
- Salucci, Alessandro, Lawrence, Mass. Rivet-bolt holder. No. 1,083,145; Dec. 30; Gaz. vol. 197; p. 1230.
- Salvini Electrical Horn Manufacturing Company, The. (See Scognamiglio, Salvatore, assignor.)
- Salyers, Willie H., Tucumcari, N. Mex. Vehicle, implement, and wagon-tongue attachment. No. 1,059,219; Apr. 15; Gaz. vol. 189; p. 710.
- Salzbergwerk Neu-Stassfurt und Theilnehmer. (See Haberland, Hermann, assignor.)
- Samaia, Dino, Vicenza, Italy. Switch-operating mechanism. No. 1,070,184; Aug. 12; Gaz. vol. 193; p. 407.
- Sames, Julius T. A., Dusseldorf, Germany. Removal of inert substances from blood-serums, &c. No. 1,057,673; Apr. 1; Gaz. vol. 189; p. 95.
- Sammis, Emma J., Norwalk, Ohio. Bread-mixer cabinet. No. 1,074,470; Sept. 30; Gaz. vol. 194; p. 1080.
- Sammons, Benjamin C. (See Lee, Charles E., assignor.)
- Sammons, Milton L., Kansas City, Mo. Carbureter mechanism. No. 1,072,875; Sept. 9; Gaz. vol. 194; p. 444.
- Sampere, José, deceased; M. Sampere, administratrix, assignor, by mesne assignments, to Aeolian Company, New York, N. Y. Attachment for coupling automatic pianos or organs and phonographs together. No. 1,057,458; Apr. 1; Gaz. vol. 189; p. 22.
- Sampere, Marie, administratrix. (See Sampere, José.)
- Sample, Robert, San Francisco, and L. A. Fleitz, Oakland, Cal. Rod-bender. No. 1,076,521; Oct. 21; Gaz. vol. 195; p. 721.
- Sampson, Archibald T., assignor, by mesne assignments, to M. S. Sampson, Lynn, Mass. Stop mechanism for moving machinery. No. 1,072,509; Sept. 9; Gaz. vol. 194; p. 314.
- Sampson, Eric G., assignor to Art Metal Construction Company, Jamestown, N. Y. Compressor for file-drawers. No. 1,064,382; June 10; Gaz. vol. 191; p. 449.
- Sampson, Erick G., assignor to Art Metal Construction Company, Jamestown, N. Y. Card-index case. No. 1,069,477; Aug. 5; Gaz. vol. 193; p. 137.
- Sampson, Frederick H., Denver, Colo. Pipe threading and cutting machine. No. 1,081,916; Dec. 16; Gaz. vol. 197; p. 748.
- Sampson, Mary S. (See Sampson, Archibald T., assignor.)
- Sampson, Richard. (See Holder and Sampson.)
- Sampson, Willis Q., *et al.* (See Lind, James A., assignor.)
- Samson Cordage Works. (See Sidilau, Oscar C., assignor.)
- Samson, Stanley, Columbus, Ohio. Shoe-lace holder. No. 1,058,471; Apr. 8; Gaz. vol. 189; p. 414.
- Samuel C. Tatum Company, The. (See Dom, Chesley, assignor.)
- Samuel C. Tatum Company, The. (See Hilles and Colburn, assignors.)
- Samuel, Henri S., Hadlow, England, assignor, by mesne assignments, to The Stahlbrodt Company, Rochester, N. Y. Weather-screen for motor and similar vehicles. (Reissue.) No. 13,574; June 10; Gaz. vol. 191; p. 561.
- Samuel Sternberger Company. (See Paradis, Albert, assignor.)
- Samuell, Walter A., Shippshewana, Ind. Windlass. No. 1,051,272; Jan. 21; Gaz. vol. 186; p. 735.
- Samuelson, Frederick, Rugby, England, assignor to General Electric Company. Governing mechanism for turbines. No. 1,063,603; June 3; Gaz. vol. 191; p. 149.
- Samuelson, Frederick, Rugby, England, assignor to General Electric Company. Steam-condenser. No. 1,076,522; Oct. 21; Gaz. vol. 195; p. 721.
- Sanborn, Hamilton, H. G. McMahon, J. T. Overbury, San Francisco, and S. W. Young, Palo Alto, assignors to The Thiogen Company, San Francisco, Cal. Obtaining sulfur from smelter-gases. No. 1,062,120; May 20; Gaz. vol. 190; p. 607.
- Sanborn, Hollis, Whitefield, N. H. Railway-tie. No. 1,059,639; Apr. 22; Gaz. vol. 189; p. 888.
- Sanborn, Horace, Norway, Me. Milking-pail. No. 1,057,459; Apr. 1; Gaz. vol. 189; p. 22.
- Sanborn, John R., Pittsburgh, Pa., assignor to Westinghouse Electric and Manufacturing Company. Mica-building machine. No. 1,074,576; Sept. 30; Gaz. vol. 194; p. 1113.
- Sand, Charles T., Ferndale, Wash. Puzzle-box. No. 1,054,716; Mar. 4; Gaz. vol. 188; p. 21.
- Sandberg, David, Chicago, Ill. Adjustable support. No. 1,061,328; May 13; Gaz. vol. 190; p. 298.
- Sandberg, Nils P., and C. A. R. Peterson, Port Blakely, Wash. Oil-can. No. 1,051,273; Jan. 21; Gaz. vol. 186; p. 736.
- Sandel, Percy, executor. (See Hudspeth and Hartzoge.)
- Sandell, Harry J., Minneapolis, Minn. Beer-cooling apparatus. No. 1,072,039; Sept. 2; Gaz. vol. 194; p. 126.
- Sandell, Henry K., assignor to H. S. Mills, Chicago, Ill. Telephone-call recorder. No. 1,064,998; June 17; Gaz. vol. 191; p. 691.
- Sandell, Henry K., assignor to Mills Novelty Co., Chicago, Ill. Tension device for musical stringed instruments. No. 1,068,935; July 29; Gaz. vol. 192; p. 1182.
- Sandell, John F., Chicago, Ill. Explosive-turbine. No. 1,067,555; July 15; Gaz. vol. 192; p. 635.
- Sanders, Anton F. (See De Vos and Sanders.)
- Sanders, Charles F., *et al.* (See Selah, Howard A., assignor.)
- Sanders, Earl V., Pawnee, Ill. Washbasin-holder. No. 1,062,507; May 20; Gaz. vol. 190; p. 736.
- Sanders, Fred E., Chelsea, Mass. Bottle-closure. No. 1,081,556; Dec. 16; Gaz. vol. 197; p. 630.
- Sanders, Fred G. (See Gregory and Sanders.)
- Sanders, George B., Nashua, N. H. Combined folding couch and bed. No. 1,060,560; Apr. 29; Gaz. vol. 189; p. 1245.
- Sanders, Harold C. (See Williams and Sanders.)
- Sanders, James C., Macon, Ga. Faucet, valve, or cock. No. 1,058,267; Apr. 8; Gaz. vol. 189; p. 344.
- Sanders, Joseph. (See Schumacher, John, assignor.)
- Sanders, Joseph, Washington, D. C. Spring-wheel. No. 1,050,853; Jan. 21; Gaz. vol. 186; p. 592.
- Sanders, Lewis, assignor to Sarco Fuel Saving & Engineering Co., New York, N. Y. Gas-analyzing apparatus. No. 1,055,420; Mar. 11; Gaz. vol. 188; p. 294.
- Sanders, Lewis, South Nyack, N. Y., assignor to General Electric Company. Means for supplying steam for industrial purposes from prime movers. No. 1,081,408; Dec. 16; Gaz. vol. 197; p. 580.
- Sanders, Louis, New York, N. Y. Belt-buckle. No. 1,054,449; Feb. 25; Gaz. vol. 187; p. 1003.
- Sanders, Louis, New York, N. Y. Strap-loop. No. 1,063,739; June 3; Gaz. vol. 191; p. 197.
- Sanders, Newell, Chattanooga, Tenn. Plow. No. 1,072,169; Sept. 2; Gaz. vol. 194; p. 171.
- Sanders, William A., Rahway, N. J. Fan. No. 1,077,859; Nov. 4; Gaz. vol. 196; p. 211.
- Sanders, William E., Brownville, N. Y. Fire-hose connection. No. 1,069,904; Aug. 12; Gaz. vol. 193; p. 311.
- Sanders, William L., and N. Morris, Vancouver, Wash. Burglar-alarm. No. 1,066,952; July 8; Gaz. vol. 192; p. 394.
- Sanderson, Frederick S., assignor to The Mount Lyell Mining and Railway Company, Limited, Melbourne, Victoria, Australia. Mechanical feeding apparatus for shaft blast-furnaces. No. 1,070,922; Aug. 19; Gaz. vol. 193; p. 696.
- Sanderson, George, *et al.* (See Knutson, Alfred W., assignor.)
- Sanderson, Henry. (See Rosencrans and Sanderson.)
- Sanderson, William K. (See Davis and Miller, assignors.)
- Sandham, Walter, Bakersfield, Cal. Alarm. No. 1,071,182; Aug. 26; Gaz. vol. 193; p. 818.
- Sandidge, John H., assignor of one-half to R. K. Winans, Chicago, Ill. System of motor control. No. 1,054,144; Feb. 25; Gaz. vol. 187; p. 898.
- Sandiford, Green W. (See Blow and Sandiford.)

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- Sandig, Alfred M., Chicago, Ill. Coloring process. No. 1,067,198; July 8; Gaz. vol. 192; p. 477.
- Sandler, Charles. (See Baum and Sandler.)
- Sandman, August G., Baltimore, Md. Manufacturing pocket straps or yokes. No. 1,064,999; June 17; Gaz. vol. 191; p. 691.
- Sandman, August G., Baltimore, Md. Manufacturing pocket-straps. No. 1,068,171; July 22; Gaz. vol. 192; p. 877.
- Sandmann, William C., Newark, N. J. Egg-lifter. No. 1,081,701; Dec. 16; Gaz. vol. 197; p. 675.
- Sandmark, Thomas T., Port Townsend, Wash. Surgical appliance. No. 1,051,850; Jan. 28; Gaz. vol. 186; p. 962.
- Sandoz-Mortiz, Charles. (See Foulon, Michael, assignor.)
- Sandoz-Moritz, Charles, Tavannes, Switzerland. Pressure-air device. No. 1,062,608; May 27; Gaz. vol. 190; p. 812.
- Sandoz-Moritz, Charles, Tavannes, Switzerland. Inserting work-pieces. No. 1,066,154; July 1; Gaz. vol. 192; p. 88.
- Sandoz-Moritz, Charles, Tavannes, Switzerland. Inserting work parts. No. 1,066,327; July 1; Gaz. vol. 192; p. 150.
- Sands, John M., *et al.* (See Griffin, Thomas J., assignor.)
- Sands, Walter E., assignor, by mesne assignments, of one-half to Jordan Brothers, New York, N. Y. Circuit-breaker. No. 1,069,815; Aug. 12; Gaz. vol. 193; p. 280.
- Sandstrom, Theodore, Indianapolis, Ind. Short-turn vehicle-gear. No. 1,069,190; Aug. 5; Gaz. vol. 193; p. 35.
- Sandt, Richard E., and C. R. Umstead, Allentown, Pa. Adjustable screen-frame. No. 1,049,538; Jan. 7; Gaz. vol. 186; p. 75.
- Sandurskyj, Sozont, Vienna, Austria-Hungary. Self-guiding arrangement for parallel rulers and the like. No. 1,075,067; Oct. 7; Gaz. vol. 195; p. 165.
- Sandvikens Jernverks Aktiebolag. (See Afzelius, Bengt A., assignor.)
- Sandwich Electric Company. (See Rugh, Harry O., assignor.)
- Sandwich Manufacturing Company. (See Adams, Henry A., assignor.)
- Sandy, Joseph, Minneapolis, Minn. Drifting-valve for locomotives. No. 1,078,065; Nov. 11; Gaz. vol. 196; p. 315.
- Saner, Basil, West New York, N. J. Embroidering-machine. No. 1,078,881; Nov. 18; Gaz. vol. 196; p. 629.
- Sanford, Arthur. (See Moore, Winfield S., assignor.)
- Sanford Novelty Company. (See Creasey, Samuel E., assignor.)
- Sanford, William W., Newark, N. J. Fountain-pen. No. 1,081,557; Dec. 16; Gaz. vol. 197; p. 630.
- Sangamo Electric Company. (See Lanphier, Robert C., assignor.)
- Sanger Nozzle Co. (See Courtney, George J., assignor.)
- Sangster, William, Covington, Va., assignor to Covington Machine Company. Coal-leveling machine for beehive-ovens. No. 1,067,199; July 8; Gaz. vol. 192; p. 477.
- Sanitarium Equipment Company. (See Kellogg, John H., assignor.)
- Sanitary Bed Rest Company. (See Hicks, Irving C., assignor.)
- Sanitary Can Machinery Company. (See Brenzinger, Julius, assignor.)
- Sanitary Dairy Machine Company. (See Schuster, Frank B., assignor.)
- Sanitary Fountain Co. (See Pein, Henry, assignor.)
- Sanitary Garment Bag Company. (See Pomponio, Frank, assignor.)
- Sanitary Manufacturing Company. (See Posson, Guy and L., assignors.)
- Sanitary Nursing Bottle Company, The. (See Mambourg, Leopold, assignor.)
- Sanitary Paper Bottle Company. (See Nazel, John, assignor.)
- Sanitary Steel Couch Company. (See Grotenhuis, William J., assignor.)
- Sanitary Utilities Company. (See De Forest, Charles, assignor.)
- Sanna, Salvatore, Olinghouse, Nev. Railway-joint. No. 1,052,970; Feb. 11; Gaz. vol. 187; p. 417.
- Sanna, Salvatore, Olinghouse, Nev. Bridge. No. 1,052,971; Feb. 11; Gaz. vol. 187; p. 417.
- Sanor, John H., Canton, Ohio. Danger-signal. No. 1,068,082; July 22; Gaz. vol. 192; p. 846.
- Sanquist, Charles A., St. Louis, Mo. Compressor for ice-making apparatus. No. 1,055,661; Mar. 11; Gaz. vol. 188; p. 374.
- Santa Clara Lumber Company. (See Barienger, James M., assignor.)
- Santee, Charles L. (See Schuirmann, John G., assignor.)
- Santmyers, Charles A., assignor to J. B. Paxton and E. I. O'Neill, Philadelphia, Pa. Circular-knitting machine. No. 1,068,534; July 29; Gaz. vol. 192; p. 1040.
- Santos, Joseph, *et al.* (See Simas, Michael P., assignor.)
- Santurello, Peter, Columbus, Ohio. Heating-iron. No. 1,073,933; Sept. 23; Gaz. vol. 194; p. 872.
- Saphier, William. (See Morris, Saphier, and Mann.)
- Saponoff, Lubomir P. (See Rhinehart and Saponoff.)
- Sapp, William T., Hinson, Fla. Rail-joint. No. 1,060,501; Apr. 29; Gaz. vol. 189; p. 1225.
- Sapp, William T., Hinson, Fla. Rail-joint. No. 1,076,320; Oct. 21; Gaz. vol. 195; p. 650.
- Saranac Machine Co. (See Ray, William H., assignor.)
- Sarason, Leopold, Berlin, and E. Franke, Grünau, near Berlin, Germany; said Franke assignor to said Sarason. Oxygen bath. No. 1,057,281; Mar. 25; Gaz. vol. 188; p. 992.
- Sarbach, Henry G., Cleveland, Ohio. Vehicle-wheel. No. 1,066,953; July 8; Gaz. vol. 192; p. 394.
- Sarco Fuel Saving & Engineering Co. (See Sanders, Lewis, assignor.)
- Sard, Russell E., Albany, N. Y. Adjusting means for mixer-caps. No. 1,052,180; Feb. 4; Gaz. vol. 187; p. 117.
- Sarg, Julius. (See Holtzman, John, assignor.)
- Sargeant, Benjamin F., Fort Worth, Tex. Hoisting and launching machinery for life-boats. No. 1,067,276; July 15; Gaz. vol. 192; p. 541.
- Sargeant, Benjamin F., Fort Worth, Tex. Life-boat. No. 1,067,277; July 15; Gaz. vol. 192; p. 541.
- Sargent, Allan C., Westford, Mass. Socket-wrench. No. 1,053,536; Feb. 18; Gaz. vol. 187; p. 656.
- Sargent, Benjamin M., assignor to Rawlings Manufacturing Company, St. Louis, Mo. Base-ball mitt. No. 1,064,859; June 17; Gaz. vol. 191; p. 646.
- Sargent, Charles E., Chicago, Ill. Electric cooking device. No. 1,072,170; Sept. 2; Gaz. vol. 194; p. 171.
- Sargent, Charles E., Chicago, Ill. Gas-engine. No. 1,072,366; Sept. 2; Gaz. vol. 194; p. 236.
- Sargent, Charles E., assignor to Sargent Engineering Company, Chicago, Ill. Internal-combustion engine. No. 1,061,249; May 6; Gaz. vol. 190; p. 235.
- Sargent Company. (See Dunbar, Frank G., assignor.)
- Sargent & Company. (See Carroll, William J., assignor.)
- Sargent & Company. (See Koerner, John W., assignor.)
- Sargent & Company. (See Munson, Samuel R., assignor.)
- Sargent & Company. (See O'Mara, Michael J., assignor.)
- Sargent & Company. (See Page, Albert A., assignor.)
- Sargent & Company. (See Peck and Shipman, assignors.)
- Sargent & Company. (See Sargent, Edward R., assignor.)
- Sargent & Company. (See Shaw, John H., assignor.)
- Sargent & Company. (See Sparks, William E., assignor.)
- Sargent, Edward R., assignor to Sargent & Company, New Haven, Conn. Casket-handle. No. 1,064,778; June 17; Gaz. vol. 191; p. 620.
- Sargent Engineering Company. (See Sargent, Charles E., assignor.)
- Sargent, Frederick G., Westford, assignor to C. G. Sargent's Sons Corporation, Graniteville, Mass. Siphon-overflow for wool-washing machines. No. 1,053,537; Feb. 18; Gaz. vol. 187; p. 656.
- Sargent, Frederick G., Westford, assignor to C. G. Sargent's Sons Corporation, Graniteville, Mass. Claw attachment for washing-machine harrows. No. 1,054,036; Feb. 25; Gaz. vol. 187; p. 862.
- Sargent, Frederick G., Westford, assignor to C. G. Sargent's Sons Corporation, Graniteville, Mass. Settling-tank. No. 1,077,308; Nov. 4; Gaz. vol. 196; p. 23.
- Sargent, Grace E. (See Sargent, Sumner B., assignor.)
- Sargent, Herbert W., Fort Dodge, Iowa. Digging and cleaning apparatus for digging-machines. No. 1,052,972; Feb. 11; Gaz. vol. 187; p. 418.
- Sargent, Howard R., Schenectady, N. Y., assignor to General Electric Company. Series-multiple switch. No. 1,062,801; May 27; Gaz. vol. 190; p. 875.
- Sargent, James T., Chicago, Ill. Pipe. No. 1,064,547; June 10; Gaz. vol. 191; p. 506.
- Sargent, John E., St. John, New Brunswick, Canada. Brush. No. 1,060,029; Apr. 29; Gaz. vol. 189; p. 1061.
- Sargent, Olin A., Brooklyn, N. Y., assignor to The Fraser Tablet Company. Display-easel. No. 1,058,794; Apr. 15; Gaz. vol. 189; p. 561.
- Sargent, Sumner B., assignor of three-fourths to G. E. Sargent, Charlotte, N. C. Mail-box indicator. No. 1,069,816; Aug. 12; Gaz. vol. 193; p. 280.
- Sargent, Walter R. (See Wood and Sargent.)
- Sargent, William H., Lynn, Mass., assignor to United Shoe Machinery Company, Paterson, N. J. Machine for operating on heels. No. 1,057,011; Mar. 25; Gaz. vol. 188; p. 899.
- Sargent, William P., assignor to The Curtis Publishing Company, Philadelphia, Pa. Stencil-drier. No. 1,051,640; Jan. 28; Gaz. vol. 186; p. 893.
- Sargent, William P., assignor to The Curtis Publishing Company, Philadelphia, Pa. Wrapper-feeder. No. 1,054,795; Mar. 4; Gaz. vol. 188; p. 49.
- Sarosi, Andrew. (See Hoyt, Sarosi, and Wooster.)
- Sarrett, William P., and T. A. Bakke, Walliowa, Oreg. Safety-stirrup. No. 1,079,801; Nov. 25; Gaz. vol. 196; p. 978.
- Sarro, Beniamino, W. W. Liverman, and G. Petrella, Brooklyn, N. Y. Non-refillable bottle. No. 1,069,478; Aug. 5; Gaz. vol. 193; p. 137.
- Sartain, Louis M., Pelham, Tenn. Broom. No. 1,070,071; Aug. 12; Gaz. vol. 193; p. 366.
- Sarter, Nikolaus, and O. J. Behm, San Francisco, Cal. Utensil-cover holder or rack. No. 1,065,000; June 17; Gaz. vol. 191; p. 691.

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- Sartig, Johannes, Nikolassee, near Berlin, Germany, assignor to The Kentucky Tobacco Product Company. Freeing tobacco from nicotin. No. 1,055,360; Mar. 11; Gaz. vol. 188; p. 275.
- Sartori, Joseph, Revere, Mass. Holder for mirrors and the like. No. 1,076,237; Oct. 21; Gaz. vol. 195; p. 621.
- Sartorius, Erich, Göttingen, Germany. Balance. No. 1,065,844; June 24; Gaz. vol. 191; p. 1012.
- Sarvant, Henry M., Tacoma, Wash. Cover-fastener. No. 1,051,015; Jan. 21; Gaz. vol. 186; p. 650.
- Sarver, A. H., *et al.* (See Black and St. John, assignors.)
- Sarvis, Hubert C., Menno, S. D. Wagon-rack. No. 1,050,854; Jan. 21; Gaz. vol. 186; p. 592.
- Sasse, Raymond L. (See Carbis, William J., assignor.)
- Sasseman, David C., River Forest, assignor to F. H. Smith Manufacturing Company, Chicago, Ill. Magnetic pick-up for riveting-machines. No. 1,079,148; Nov. 18; Gaz. vol. 196; p. 722.
- Satchelle, Thomas H., Fredonia, Kans. Folding check-book. No. 1,057,460; Apr. 1; Gaz. vol. 189; p. 22.
- Satenstein, Jesse, New York, N. Y. Attachment to standing book-presses. No. 1,052,280; Feb. 4; Gaz. vol. 187; p. 150.
- Satin, Jacob, B. Mosesson, and M. Garfinkel, assignors to The Simplex Adjustable Dress Form Co., Brooklyn, N. Y. Adjustable garment-form. No. 1,081,313; Dec. 16; Gaz. vol. 197; p. 547.
- Satka, John L., Winona, Minn. Combination-plate. No. 1,077,643; Nov. 4; Gaz. vol. 196; p. 139.
- Sato, Kuroji, Berkeley, Cal. Horn. No. 1,070,540; Aug. 19; Gaz. vol. 193; p. 571.
- Sato, Ryuji, Chicago, Ill. Vehicle top-raising device. No. 1,082,706; Dec. 30; Gaz. vol. 197; p. 1083.
- Satow, Tokusabu R., Santa Ana, Cal. Composition for treating diseases of trees. No. 1,054,796; Mar. 4; Gaz. vol. 188; p. 50.
- Satter, Frank A., *et al.* (See Cohen, Jacob, assignor.)
- Satterlee, Marcus D., Andover, and N. C. Satterlee, Williamsfield, Ohio. Steering-gear. No. 1,074,748; Oct. 7; Gaz. vol. 195; p. 56.
- Satterlee, Nellis C. (See Satterlee, Marcus D. and N. C.)
- Sattler, Adolph, Lange, Tex. Water-gate. No. 1,072,778; Sept. 9; Gaz. vol. 194; p. 408.
- Sattley Stacker Company, The. (See Brower, William W., assignor.)
- Sattley Stacker Company, The. (See Heineke, Martin, assignor.) (Reissue.)
- Satzinger, Karl, assignor to H. Held, Nuremberg, Germany. Spring journal-bearing. No. 1,071,183; Aug. 26; Gaz. vol. 193; p. 819.
- Satzman, Abraham, New York, N. Y. Auxiliary lock for doors. No. 1,054,450; Feb. 25; Gaz. vol. 187; p. 1004.
- Sauber, Herbert W., Lemont, and N. B. Paulson, Lockport, Ill. Constructing reinforced concrete structures. No. 1,057,674; Apr. 1; Gaz. vol. 189; p. 96.
- Sauer, Adelbert, Pittsburgh, Pa. Combined gas and steam generator. No. 1,071,673; Aug. 26; Gaz. vol. 193; p. 980.
- Sauer, Firm of Adolph. (See Moriggi, Carl, assignor.)
- Sauer, Frank C., assignor of one-third to A. B. Hafertepen, Hamilton, Ohio. Shaving device. No. 1,054,451; Feb. 25; Gaz. vol. 187; p. 1004.
- Sauer, Frank C., assignor of one-third to A. B. Hafertepen, Hamilton, Ohio. Propulsion mechanism for vessels. No. 1,069,479; Aug. 5; Gaz. vol. 193; p. 137.
- Sauer, Frederick H., New York, N. Y. Air-valve. No. 1,062,802; May 27; Gaz. vol. 190; p. 875.
- Sauer, Hans, assignor to J. P. Sauer & Sohn, Suhl, Germany. Semi-automatic locking device for the triggers of small-arms. No. 1,062,121; May 20; Gaz. vol. 190; p. 607.
- Sauer, Johan N. A. (See Wijnberg and Sauer.)
- Sauer, John, New York, N. Y. Internal-combustion engine. No. 1,049,925; Jan. 7; Gaz. vol. 186; p. 205.
- Sauer & Sohn, J. P. (See Sauer, Hans, assignor.)
- Saul, Erich. (See Nissen and Saul.)
- Saul, Warren A., Bridgeport, Conn. Tie-plate and rail-brace. No. 1,058,337; Apr. 8; Gaz. vol. 189; p. 369.
- Saulpaw, Karl D., Calhoun, Tenn. Attachment for brakes. No. 1,052,281; Feb. 4; Gaz. vol. 187; p. 151.
- Saunders, Addison T., Akron, Ohio, assignor to A. G. Spalding & Bros., Jersey City, N. J. Playing-ball. No. 1,080,592; Dec. 9; Gaz. vol. 197; p. 266.
- Saunders, Cecil L., Hot Springs, Ark. Pneumatic cleaning device. No. 1,075,304; Oct. 7; Gaz. vol. 195; p. 249.
- Saunders, Charles H., Gainesville, Ga. Adjustable wheeled disk fender. No. 1,057,984; Apr. 1; Gaz. vol. 189; p. 201.
- Saunders, Daniel G., Jr., Kansas City, Mo. Shade-holder for incandescent electric and other lamps. No. 1,053,538; Feb. 18; Gaz. vol. 187; p. 657.
- Saunders, Daniel G., Jr., and W. Stricker, Kansas City, Mo.; said Stricker assignor to said Saunders. Ferrule for mops. No. 1,057,503; Apr. 1; Gaz. vol. 189; p. 37.
- Saunders, Frederick S. (See Wilson, Dennis M., assignor.)
- Saunders, Leslie R., assignor to Leslie R. Saunders Company, Los Angeles, Cal. Auxiliary air-valve for internal-combustion engines. No. 1,081,776; Dec. 16; Gaz. vol. 197; p. 701.
- Saunders, Louis F., Knoxville, Tenn. Sliding extensible step. No. 1,077,644; Nov. 4; Gaz. vol. 196; p. 139.
- Saunders, Montagu, St. John's Wood, London, England. Variable-speed gearing. No. 1,065,553; June 24; Gaz. vol. 191; p. 914.
- Saunders, Samuel Q., New Bridge, Oreg. Automatic water-level alarm. No. 1,056,946; Mar. 25; Gaz. vol. 188; p. 877.
- Saunders, Wade H., Roanoke, Va. Garment-button. No. 1,065,082; June 17; Gaz. vol. 191; p. 719.
- Saunders, William A., Boston, Mass. Rotary passenger-carrier. No. 1,050,567; Jan. 14; Gaz. vol. 186; p. 461.
- Saunderson, Herbert P., Bedford, England. Self-propelled vehicle for transport and tractive purposes. No. 1,066,954; July 8; Gaz. vol. 192; p. 394.
- Saupe, Philip J. J., Peoria, Ill. Hull for vessels. No. 1,074,897; Oct. 7; Gaz. vol. 195; p. 105.
- Saurer, Firm of Adolph. (See Eggart, Karl, assignor.)
- Saurer, Firm of Adolph. (See Keller, Karl, assignor.)
- Saurer, Firm of Adolph. (See Kobler, Victor, assignor.)
- Saurer, Hippolyt, Arbon, Switzerland. Apparatus for producing jacquard-cards for automatic embroidering-machines. No. 1,057,581; Apr. 1; Gaz. vol. 189; p. 62.
- Saurer, Hippolyt, Arbon, Switzerland. Pantograph for automatic embroidering-machines. No. 1,059,075; Apr. 15; Gaz. vol. 189; p. 661.
- Saurer, Hippolyt, Arbon, Switzerland. Device for preparing jacquard-cards of embroidering-machines. No. 1,059,569; Apr. 22; Gaz. vol. 189; p. 867.
- Saurer, Hippolyt, Arbon, Switzerland. Automatic embroidering-machine. No. 1,072,510; Sept. 9; Gaz. vol. 194; p. 314.
- Sauter, August A., Covington, Ky. Latch for gates. No. 1,053,651; Feb. 18; Gaz. vol. 187; p. 695.
- Sauter, Jakob, Neuhausen, Switzerland. Hat attachment. No. 1,074,982; Oct. 7; Gaz. vol. 195; p. 133.
- Sauter, Joseph A., Schwaigern, Germany. Rabbit-trap. No. 1,079,666; Nov. 25; Gaz. vol. 196; p. 928.
- Sauvage, Fernand, Marseille, France. Optical indicating apparatus. No. 1,065,845; June 24; Gaz. vol. 191; p. 1013.
- Sauvage, William H., New York, N. Y. Slack-adjuster for automatic brake systems. No. 1,062,666; May 27; Gaz. vol. 190; p. 831.
- Sauvageon, Marius, Colombes, France. Electric furnace for the continuous manufacture of glass. No. 1,062,362; May 20; Gaz. vol. 190; p. 688.
- Sauvé, Charles. (See Gerardin and Sauvé.)
- Sauvert, Albert, Paris, France. Elastic wheel. No. 1,060,860; May 6; Gaz. vol. 190; p. 103.
- Savage Arms Company. (See Chadwick, Francis C., assignor.)
- Savage Arms Company. (See Lang, Charles W., assignor.)
- Savage Arms Company. (See Nelson, Charles A., assignor.)
- Savage, Arthur W., Duarte, Cal. Vehicle-tire. No. 1,075,992; Oct. 14; Gaz. vol. 195; p. 510.
- Savage, Arthur W., Duarte, Cal. Vehicle-tire. No. 1,075,993; Oct. 14; Gaz. vol. 195; p. 510.
- Savage, Barnard B., New Haven, Conn. Hammock. No. 1,056,947; Mar. 25; Gaz. vol. 188; p. 877.
- Savage, Edward S., Rochester, N. Y. Gage for tanks. No. 1,072,876; Sept. 9; Gaz. vol. 191; p. 444.
- Savage, Epilier E., Asbury Park, N. J. Signal device for vehicles. No. 1,068,278; July 22; Gaz. vol. 192; p. 914.
- Savage, Frederick J., Ford, Saskatchewan, assignor of one-third to C. J. Lutes, Tisdale, Canada. Mechanical plow-lift. No. 1,073,636; Sept. 23; Gaz. vol. 194; p. 768.
- Savage, George E., assignor to Manning, Bowman & Company, Meriden, Conn. Apparatus for making tea and other infusions. No. 1,077,491; Nov. 4; Gaz. vol. 196; p. 89.
- Savage, Louis P., Laporte, Ind. Medicine-dropper. No. 1,069,732; Aug. 12; Gaz. vol. 193; p. 251.
- Savage Novelty Co. (See Savage, Ray T., assignor.)
- Savage, Ray T., New York, N. Y. Building construction. No. 1,071,467; Aug. 26; Gaz. vol. 193; p. 912.
- Savage, Ray T., Spring Lake, N. J., assignor to Savage Novelty Co., Inc. Sign character. No. 1,068,535; July 29; Gaz. vol. 192; p. 1040.
- Savarese, Aniello, Paris, France. Type-composing machine. No. 1,077,759; Nov. 4; Gaz. vol. 196; p. 178.
- Saver Clutch Co. (See Hewitt and Drake, assignors.)
- Savio, Leo, Monroeville, Ind. Oyster-shucking machine. No. 1,060,502; Apr. 29; Gaz. vol. 189; p. 1225.
- Saville, Allen J., Richmond, Va. Dirigible automobile lamp-bracket. No. 1,053,228; Feb. 18; Gaz. vol. 187; p. 549.
- Saville, Francis, Chicago, Ill. Reamer attachment for die-stocks. No. 1,055,087; Mar. 4; Gaz. vol. 188; p. 148.
- Savin, Thomas L., Pine Bluff, Ark. Telephone-indicator. No. 1,081,990; Dec. 23; Gaz. vol. 197; p. 802.
- Savon, Frank, Buckhannon, W. Va. Steamboat. No. 1,056,840; Mar. 25; Gaz. vol. 188; p. 839.
- Sawyer, Alfen P. (See Brown, Charles, assignor.)
- Sawyer, Bertie, Empire, Ga. Cotton-planter. No. 1,067,066; July 8; Gaz. vol. 192; p. 431.
- Sawyer, Carleton, Foxboro, Mass. Rectal irrigator. No. 1,074,818; Oct. 7; Gaz. vol. 195; p. 78.

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- Sawyer, Charles L., Grand Valley, Colo. Bag-handler. No. 1,061,014; May 6; Gaz. vol. 190; p. 158.
- Sawyer, Ezra H. (See Steelman, Sawyer, and Fels.)
- Sawyer, Franklin M., Kansas City, Mo. Baby-crib. No. 1,060,637; May 6; Gaz. vol. 190; p. 25.
- Sawyer, Frederic R., *et al.* (See Dodge, Frank, assignor.)
- Sawyer, Gordon, Nashville, Tenn. Machine for trimming pork. No. 1,083,219; Dec. 30; Gaz. vol. 197; p. 1252.
- Sawyer, Harry, Muskegon, Mich. Crane for handling freight. No. 1,064,383; June 10; Gaz. vol. 191; p. 449.
- Sawyer, Harry, Muskegon, Mich. Cargo-handling apparatus. No. 1,064,384; June 10; Gaz. vol. 191; p. 449.
- Sawyer, Harry, Muskegon, Mich. Apparatus for handling freight. No. 1,064,385; June 10; Gaz. vol. 191; p. 450.
- Sawyer, Harry, Muskegon, Mich. Freight-handling apparatus. No. 1,079,519; Nov. 25; Gaz. vol. 196; p. 877.
- Sawyer, John H., Lexington, assignor of one-fourth to F. A. Forsythe, Harrodsburg, Ky. Attachment for hay-presses. No. 1,071,587; Aug. 26; Gaz. vol. 193; p. 952.
- Sawyer, Orren A., Lowell, Mass. Weft-fork actuator for looms. No. 1,067,941; July 22; Gaz. vol. 192; p. 798.
- Sawyer, Orren A., Lowell, Mass., assignor, by mesne assignments, to Thissell Company, Portland, Me. Shuttle or filling-carrier for looms. No. 1,076,393; Oct. 21; Gaz. vol. 195; p. 676.
- Sawyer, Thomas J. (See Caves and Sawyer.)
- Sawyer, Will M., assignor to The Wheeling Corrugating Company, Chicago, Ill. Knockdown metallic structure. No. 1,054,317; Feb. 25; Gaz. vol. 187; p. 957.
- Sawyer, Willard N., assignor to W. M. Whitney, Winchendon, Mass. Clamping device. No. 1,077,001; Oct. 28; Gaz. vol. 195; p. 945.
- Sawyer, Wilson A., Saratoga Springs, N. Y. Vehicle-tire. No. 1,066,328; July 1; Gaz. vol. 192; p. 150.
- Saxon, Frank, Houston Heights, Tex. Automobile-body. No. 1,059,220; Apr. 15; Gaz. vol. 189; p. 711.
- Saxone Shoe Co. Limited, The. (See Brown, Joseph H., assignor.)
- Sayan, Lillian M., Rock, Mich. Bed-commode. No. 1,054,452; Feb. 25; Gaz. vol. 187; p. 1004.
- Sayer, Edmund S., Jr., New York, N. Y. Foldable mattock. No. 1,066,155; July 1; Gaz. vol. 192; p. 88.
- Sayer, John, and G. G. Dent, Flagstaff, Ariz. Vise. No. 1,079,883; Nov. 25; Gaz. vol. 196; p. 1005.
- Sayers, Cyril, Jersey City, N. J. Alarm-bank. No. 1,056,590; Mar. 18; Gaz. vol. 188; p. 725.
- Sayles, Frank A. (See Schultz, George E., assignor.)
- Saylor, Benjamin F. A., Rome, assignor, by mesne assignments, to Standard Turpentine & Wood Pulp Company, Atlanta, Ga. Extracting turpentine and rosin from wood. No. 1,081,276; Dec. 9; Gaz. vol. 197; p. 497.
- Saylor, Frank D., Pittsburgh, Pa. Conduit for electrical conductors. No. 1,049,771; Jan. 7; Gaz. vol. 186; p. 154.
- Saylor, James W., Parsons, Kans. Display-top for receptacles. No. 1,059,221; Apr. 15; Gaz. vol. 189; p. 711.
- Saylor, John L., Minneapolis, Minn. Weighing-scale. No. 1,080,236; Dec. 2; Gaz. vol. 197; p. 111.
- Saylor, John L., Minneapolis, Minn. Weighing-scale. No. 1,080,237; Dec. 2; Gaz. vol. 197; p. 111.
- Sayre, Gordon, assignor to The Apple Electric Company, Dayton, Ohio. Dynamo-electric machine. No. 1,077,942; Nov. 4; Gaz. vol. 196; p. 241.
- Sayre, Theodore J., Newark, assignor of one-third to F. L. Van Ness, West Orange, and one-third to O. Willigerod, East Orange, N. J. Pipe-cleaner. No. 1,068,606; July 29; Gaz. vol. 192; p. 1066.
- Sayre, William T., Parkersburg, W. Va. Ratchet-wrench. No. 1,058,795; Apr. 15; Gaz. vol. 189; p. 562.
- Sborowitz, Siegmund, Berlin, assignor to Deutsche Konit-Gesellschaft m. b. H., Stralau, near Berlin, Germany. Making artificial stone and product obtained thereby. No. 1,074,983; Oct. 7; Gaz. vol. 195; p. 133.
- Scalley, Michael F., Middletown, N. Y. Water-gage for steam-boilers. No. 1,063,604; June 3; Gaz. vol. 191; p. 149.
- Scammell, Joseph B., assignor to Rubber Substitute (1910) Limited, London, England. Substitute for rubber. No. 1,073,527; Sept. 16; Gaz. vol. 194; p. 708.
- Scanlan, Daniel, assignor of one-third to H. E. Harder, St. Louis, Mo. Faucet. No. 1,064,014; June 10; Gaz. vol. 191; p. 324.
- Scanlan, James, Disco, Ill. Stovepipe-holder. No. 1,050,235; Jan. 14; Gaz. vol. 186; p. 344.
- Scanlan, James, Adell, Wis. Self-closing oven-door. No. 1,064,861; June 17; Gaz. vol. 191; p. 647.
- Scanlin, John, *et al.* (See Peckover, James, assignor.)
- Scanlon, Michael L., assignor of one-half to S. Caughill, Cleveland, Ohio. Clothes-line reel. No. 1,071,351; Aug. 26; Gaz. vol. 193; p. 875.
- Scannell, James J. (See McCoy, Benjamin F., assignor.)
- Scarborough, Robert A., assignor to The J. G. Brill Company, Philadelphia, Pa. Sliding guide for doors. No. 1,063,605; June 3; Gaz. vol. 191; p. 150.
- Scarbury, William S., Sedro Woolley, Wash. Roller-bearing sash-holder. No. 1,080,786; Dec. 9; Gaz. vol. 197; p. 333.
- Scarlett, James, Seattle, Wash. Life-saving device. No. 1,075,122; Oct. 7; Gaz. vol. 195; p. 183.
- Scavullo, Angelo C. (See De Simone, Michele G., assignor.)
- Schaab, Herman J. M., Millvale, Pa. Utensil. No. 1,073,528; Sept. 16; Gaz. vol. 194; p. 709.
- Schaaf, Albert E., Poughkeepsie, N. Y., assignor to F. I. A. T. Hood-cornice for automobiles. No. 1,078,961; Nov. 18; Gaz. vol. 196; p. 654.
- Schaaf, Downs. (See Spaeth, Gustave A., assignor.)
- Schaaf, Edward, St. Marys, Mo., and S. G. Martin, Chicago, Ill., assignors of one-third to W. O. Bartholomew, St. Louis, Mo. Recovering copper from its ores. No. 1,069,981; Aug. 12; Gaz. vol. 193; p. 336.
- Schaaff, John T., Washington, D. C. Type-writing and other key-actuated machine. No. 1,075,944; Oct. 14; Gaz. vol. 195; p. 493.
- Schabacker, Peter H., and P. H. Smith, Buffalo, N. Y. Candy-machine. No. 1,052,519; Feb. 11; Gaz. vol. 187; p. 263.
- Schack, William, St. Louis, Mo. Time-lock for cash-receptacles. No. 1,064,860; June 17; Gaz. vol. 191; p. 646.
- Schade, Albert F., assignor to The Stanley Rule & Level Company, New Britain, Conn. Jointer-gage attachment for planes. No. 1,057,582; Apr. 1; Gaz. vol. 189; p. 63.
- Schade, Edmund A. (See Bodmer and Schade.)
- Schade, Edmund A. (See Burdick and Schade.)
- Schade, John, Jr. (See Flinker and Schade.)
- Schade, John, Jr., New York, assignor to Fahnestock Electric Company, Brooklyn, N. Y. Spring fastening device. No. 1,049,609; Jan. 7; Gaz. vol. 186; p. 100.
- Schade, Wilbert C., Cherry Tree, Pa. Car-truck. No. 1,063,740; June 3; Gaz. vol. 191; p. 198.
- Schadel, John A., Pittsburgh, Pa. Fluid-pressure switch. No. 1,073,175; Sept. 16; Gaz. vol. 194; p. 587.
- Schaefer, Arthur E. (See Dow and Schaefer.)
- Schaefer, Frederic, Pittsburgh, Pa. Electric sign. No. 1,069,582; Aug. 5; Gaz. vol. 193; p. 169.
- Schaefer, Gustav, New York, N. Y. Tire-tool. No. 1,061,015; May 6; Gaz. vol. 190; p. 158.
- Schaefer, Henry F., assignor of one-half to W. H. Pitt, Chicago, Ill. Clock-chimes. No. 1,057,461; Apr. 1; Gaz. vol. 189; p. 23.
- Schaefer, John E., Mobridge, S. D. Folding door. No. 1,060,132; Apr. 29; Gaz. vol. 189; p. 1094.
- Schaeffer, August, Frankfurt-on-the-Main, Germany. Hair-drying apparatus. No. 1,057,282; Mar. 25; Gaz. vol. 188; p. 992.
- Schaeffer Piano Mfg. Company. (See Freborg, Charles, assignor.)
- Schaerges, Karl F. M., deceased, Basel, Switzerland; M. Schaerges, trustee, assignor to Hoffmann-La Roche Chemical Works, New York, N. Y. Preparation of opium alkaloids. No. 1,056,219; Mar. 18; Gaz. vol. 188; p. 597.
- Schaerges, Magdalena, trustee. (See Schaerges, Karl F. M.)
- Schafer, Frank. (See Wright and Schafer.)
- Schafer, Theodore, Olney, Ill. Hitching-strap. No. 1,055,804; Mar. 11; Gaz. vol. 188; p. 423.
- Schafer, Theodore, Olney, Ill. Hitching device. No. 1,055,805; Mar. 11; Gaz. vol. 188; p. 423.
- Schafer, Walter F., and J. H. Cook, Mena, Ark., assignors to D. B. Pate, Hornbeck, La. Oil vaporizer and burner. No. 1,062,188; May 20; Gaz. vol. 190; p. 630.
- Schäffer, Axel, Copenhagen, Denmark, assignor to F. L. Smidth & Co., New York, N. Y. Rotary cooler for cement clinker. No. 1,049,610; Jan. 7; Gaz. vol. 186; p. 101.
- Schäffer, Axel, and A. Schröder, Copenhagen, Denmark. Apparatus for feeding semiliquid materials. No. 1,082,287; Dec. 23; Gaz. vol. 197; p. 906.
- Schaffer, John C., Toledo, Ohio. Feed-regulator. No. 1,059,005; Apr. 15; Gaz. vol. 189; p. 638.
- Schaffer, John P., Pittsburgh, Pa. Hot-water and steam boiler. No. 1,061,503; May 13; Gaz. vol. 190; p. 357.
- Schaffer, Martin R. (See Hansen and Schaffer.)
- Schaffert, Adolf H., *et al.* (See Landolt, Charles F., assignor.)
- Schaffert, Adolph H., assignor to The General Fireproofing Company, Youngstown, Ohio. Body construction for metal filing-cabinets. No. 1,076,067; Oct. 21; Gaz. vol. 195; p. 563.
- Schaffert, Louis, *et al.* (See Schulz, Augusta, assignor.)
- Schaffler, rekte Glössl, Konrad, Vienna, Austria-Hungary. Dynamo-electric apparatus for firing mines. No. 1,072,511; Sept. 9; Gaz. vol. 194; p. 315.
- Schahl, Gottlieb F., Mount Pulaski, Ill. Broom-bridle. No. 1,055,421; Mar. 11; Gaz. vol. 188; p. 295.
- Schahl, Gottlieb F., Mount Pulaski, Ill. Implement-holder. No. 1,078,805; Nov. 18; Gaz. vol. 196; p. 603.
- Schairer, Otto S., Edgewood Park, Pa., assignor to Westinghouse Lamp Company. Electrical terminal device. No. 1,059,397; Apr. 22; Gaz. vol. 189; p. 808.
- Schalk, Emil, Chicago, Ill. Strainer for coffee-pots. No. 1,072,171; Sept. 2; Gaz. vol. 194; p. 172.
- Schaller, Carl. (See Stemmler and Schaller.)
- Schaller, Otto, Steglitz, near Berlin, Germany. Electric plant. No. 1,059,076; Apr. 15; Gaz. vol. 189; p. 661.

Alphabetical list of patentees—Continued.

- Schaller, Otto, Södingen, near Berlin, Germany. Stop-cock or valve for vacuum pipe systems. No. 1,060,791; May 6; Gaz. vol. 190; p. 77.
- Schaller, Paul F., and C. Sundt, Paris, France. Smoke-consumer. No. 1,070,185; Aug. 12; Gaz. vol. 193; p. 406.
- Schallman, Harry. (See Cantor, Abraham, assignor.)
- Schalscha, Max, Summit, N. J. Pile-cap. No. 1,062,363; May 20; Gaz. vol. 190; p. 689.
- Schamu, Charles G., Liverpool, N. Y. Beehive. No. 1,064,779; June 17; Gaz. vol. 191; p. 620.
- Schanck, George H., Libertyville, Ill. Advertising device. No. 1,066,850; July 8; Gaz. vol. 192; p. 358.
- Schantz, Gustaf von, New Britain, Conn. Hat-identifying device. No. 1,062,421; May 20; Gaz. vol. 190; p. 708.
- Schanwecker, Robert J., Cumberland, Md. Window-shade. No. 1,064,548; June 10; Gaz. vol. 191; p. 507.
- Schanz, George J., assignor of one-half to M. M. McCallister, Erie, Pa. Boiler. No. 1,069,583; Aug. 5; Gaz. vol. 193; p. 170.
- Schaper, Walter and W., Charles City, Iowa. Device for guiding horses. No. 1,062,508; May 20; Gaz. vol. 190; p. 736.
- Schaper, William. (See Schaper, Walter and W.)
- Schappert, Jacob M., *et al.* (See White, William H., assignor.)
- Schappert, Margaret, *et al.* (See White, William H., assignor.)
- Scharding, Albert J., and P. J. Doyle, Pittsburgh, Pa. Gate-opening device for excavators. No. 1,062,038; May 20; Gaz. vol. 190; p. 579.
- Schärer, Emil, Zurich, Switzerland. Bracket for staging and scaffolding. No. 1,082,448; Dec. 23; Gaz. vol. 197; p. 959.
- Scharbag, Franz J. (See Crain and Scharbag.)
- Schatz, Adam E., Mount Vernon, N. Y. Siphon for dispensing liquids. No. 1,054,037; Feb. 25; Gaz. vol. 187; p. 862.
- Schatz, Elmer. (See Mertz and Schatz.)
- Schatz, Grover H., *et al.* (See Schatz, John W., assignor.)
- Schatz, Herman A., *et al.* (See Schatz, John W., assignor.)
- Schatz, John W., assignor of one-third to H. A. Schatz and one-third to G. H. Schatz, Poughkeepsie, N. Y. Annular ball-bearing. No. 1,073,529; Sept. 16; Gaz. vol. 194; p. 709.
- Schatz, John W., assignor of one-third to H. A. Schatz and one-third to G. H. Schatz, Poughkeepsie, N. Y. Ball-bearing. No. 1,073,530; Sept. 16; Gaz. vol. 194; p. 709.
- Schaub, Eugene F., St. Elmo, Ill. Cuspidor-carrier. No. 1,067,278; July 15; Gaz. vol. 192; p. 541.
- Schaub, Ferdinand, Jersey City, N. J. Insulator. No. 1,049,405; Jan. 7; Gaz. vol. 186; p. 30.
- Schaub, Ferdinand, Jersey City, N. J. Cross-over insulator for electrical conductors. No. 1,056,711; Mar. 18; Gaz. vol. 188; p. 765.
- Schauffer, Fred L., Mattoon, Ill., assignor to National Aerial Navigation & Equipment Co., Cullman, Ala. Flying-machine. No. 1,064,015; June 10; Gaz. vol. 191; p. 324.
- Schaum, Otto W., Philadelphia, Pa. Mechanism for hardening metal balls. No. 1,054,038; Feb. 25; Gaz. vol. 187; p. 863.
- Schaum and Uhlinger. (See Emery, Arthur, assignor.)
- Schaumburg, Charles, Olalla, Wash. Time-signal apparatus. No. 1,068,395; July 22; Gaz. vol. 192; p. 954.
- Scheas, John, Louisville, Ky. Fireproof partition. No. 1,075,123; Oct. 7; Gaz. vol. 195; p. 184.
- Scheeffer, Gustave A., Indianapolis, Ind., assignor, by mesne assignments, to Roller Smith Co., New York, N. Y. Induction-wattmeter. No. 1,082,653; Dec. 30; Gaz. vol. 197; p. 1063.
- Scheeffer, Gustave A., Indianapolis, Ind., assignor, by mesne assignments, to Roller Smith Co., New York, N. Y. Electric meter. No. 1,082,654; Dec. 30; Gaz. vol. 197; p. 1064.
- Scheer, Charles, Silverton, Colo. Attachment for fire-nozzles. No. 1,055,946; Mar. 11; Gaz. vol. 188; p. 469.
- Scheer, John C. C., Beaver Falls, Pa. Shoe-polishing machine. No. 1,052,973; Feb. 11; Gaz. vol. 187; p. 418.
- Scheffer, Theodore H., Manhattan, Kans. Mole-trap. No. 1,049,406; Jan. 7; Gaz. vol. 186; p. 31.
- Scheffer, William. (See Perry, William J., assignor.)
- Schehr, Frederick G., Detroit, Mich. Rotary valve for explosion-engines. No. 1,078,699; Nov. 18; Gaz. vol. 196; p. 565.
- Scheibe, Harold M., Wilksburg, Pa., assignor to Westinghouse Electric and Manufacturing Company. Electric-circuit cut-out. No. 1,056,220; Mar. 18; Gaz. vol. 188; p. 598.
- Scheibe, Harold M., Wilksburg, Pa., assignor to Westinghouse Electric and Manufacturing Company. Spark-timer. No. 1,074,984; Oct. 7; Gaz. vol. 195; p. 134.
- Scheible, Albert, Chicago, Ill. Spring-bed. No. 1,053,229; Feb. 18; Gaz. vol. 187; p. 549.
- Scheible, Albert, Chicago, Ill. Spring-bed. No. 1,054,453; Feb. 25; Gaz. vol. 187; p. 1004.
- Scheible, Albert, Chicago, Ill. Spring. No. 1,055,662; Mar. 11; Gaz. vol. 188; p. 374.
- Scheible, Albert, Chicago, Ill. Spring-bed. No. 1,078,806; Nov. 18; Gaz. vol. 196; p. 604.
- Scheibli, John A., West New York, N. J. Slide-disk calculator. No. 1,075,124; Oct. 7; Gaz. vol. 195; p. 184.
- Scheidegger, Albert, Basel, Switzerland. Attaching inverted incandescent mantles to holders. No. 1,079,955; Dec. 2; Gaz. vol. 197; p. 11.
- Scheidel Western X-Ray Coil Co. (See Hutton, Samuel T., assignor.)
- Scheiden, Charles, Denver, Colo. Fire-escape. No. 1,076,646; Oct. 21; Gaz. vol. 195; p. 768.
- Scheiding, Henry, Homestead, assignor of one-third to C. E. Berger, Munhall, Pa. Curtain and shade fixture. No. 1,080,370; Dec. 2; Gaz. vol. 197; p. 160.
- Scheinman, Louis J., New York, N. Y. Knickerbockers. No. 1,055,663; Mar. 11; Gaz. vol. 188; p. 374.
- Scheitler, Joseph, Waterloo, Iowa. Valve-actuating means for internal-combustion engines. No. 1,065,001; June 17; Gaz. vol. 191; p. 691.
- Scheitlin, Emil, Basel, Switzerland. Producing a new effective preparation of mercury. No. 1,068,172; July 22; Gaz. vol. 192; p. 877.
- Scheitlin, Emil, Basel, and E. Kunz, assignors to L. Glavaudan, Geneva, and E. Scheitlin, Basel, Switzerland. Manufacturing new pharmaceutical preparations. No. 1,068,083; July 22; Gaz. vol. 192; p. 847.
- Schelden, Harry G., *et al.* (See Merkel, Lewis W., assignor.)
- Scheldon, Harry G., *et al.* (See Merkel, Lewis W., assignor.)
- Schell, Charles E., Knights Ferry, Cal. Fish-spear. No. 1,072,172; Sept. 2; Gaz. vol. 194; p. 172.
- Schell, John P., New York, N. Y. Watch-winding indicator. No. 1,056,126; Mar. 18; Gaz. vol. 188; p. 566.
- Schell, Max P., assignor of one-fourth to C. A. Anderson, one-fourth to J. Brenjord, one-fourth to C. Knudsen, and one-fourth to S. J. Olson, San Francisco, Cal. Non-refillable bottle. No. 1,073,869; Sept. 23; Gaz. vol. 194; p. 849.
- Schell, Perry B., Blue Canyon, Cal. Bin. No. 1,076,456; Oct. 21; Gaz. vol. 195; p. 698.
- Schellberg, Oscar B., New York, N. Y. Cork-retainer. No. 1,081,777; Dec. 16; Gaz. vol. 197; p. 702.
- Schellenbach, Charles O., Cincinnati, Ohio. Expansion-reamer. No. 1,074,820; Oct. 7; Gaz. vol. 195; p. 79.
- Schellenbach, William, Hartwell, Ohio. Universal taper attachment. No. 1,067,137; July 8; Gaz. vol. 192; p. 455.
- Schellenbach, William, Hartwell, Ohio. Crank-turner. No. 1,067,138; July 8; Gaz. vol. 192; p. 456.
- Schellenbach, William, Hartwell, Ohio. Chasing-stop. No. 1,067,139; July 8; Gaz. vol. 192; p. 456.
- Schellenbach, William, Hartwell, Ohio. Apron mechanism. No. 1,067,140; July 8; Gaz. vol. 192; p. 457.
- Schellenbach, William, Hartwell, Ohio. Relieving mechanism. No. 1,067,141; July 8; Gaz. vol. 192; p. 457.
- Schellenbach, William, Hartwell, Ohio. Change-gear mechanism. No. 1,067,142; July 8; Gaz. vol. 192; p. 457.
- Schellenbach, William, Hartwell, Ohio. Spindle-nose appliance for machine-tools. No. 1,070,990; Aug. 19; Gaz. vol. 193; p. 718.
- Schellenbach, William, Hartwell, Ohio. Gearing. No. 1,074,819; Oct. 7; Gaz. vol. 195; p. 78.
- Schellenbach, William, Hartwell, assignor to The Lodge & Shipley Machine Tool Company, Cincinnati, Ohio. Revolving steady-rest. No. 1,067,143; July 8; Gaz. vol. 192; p. 458.
- Schellenbach, William L., Hartwell, Ohio. Gearing. (Re-issue.) No. 13,560; Apr. 29; Gaz. vol. 189; p. 1250.
- Schellenger, Joseph A., Harrisburg, Ill. Electric safety signal device. No. 1,063,741; June 3; Gaz. vol. 191; p. 198.
- Scheller, George W., New York, N. Y. Bottle-closure device. No. 1,051,920; Feb. 4; Gaz. vol. 187; p. 25.
- Schellman, Henry A. (See Makin and Schellman.)
- Schember & Söhne, C. (See Schnabl, Gustav, assignor.)
- Schemmann, Wilhelm, and J. Bronn, assignors to Rombacher Hüttenwerke, Rombach, Germany. Electric furnace for melting and liquefying ferro-alloys. No. 1,056,456; Mar. 18; Gaz. vol. 188; p. 677.
- Schemmann, Wilhelm, and J. Bronn, assignors to Rombacher Hüttenwerke, Rombach, Germany. Melting ferro alloys and keeping them in liquid state. No. 1,061,016; May 6; Gaz. vol. 190; p. 158.
- Schemmel, George C., Wapakoneta, Ohio. Acetylene welding apparatus. No. 1,072,655; Sept. 9; Gaz. vol. 194; p. 365.
- Schenck, Charles, assignor to Elevator Supply & Repair Company, Chicago, Ill. Elevator-car register. No. 1,059,077; Apr. 15; Gaz. vol. 189; p. 662.
- Schenck, Charles, assignor to Elevator Supply & Repair Company, Chicago, Ill. Register for elevator-cars. No. 1,059,078; Apr. 15; Gaz. vol. 189; p. 662.
- Schenck, Garret, Jr., assignor to Great Northern Paper Company, Millinocket, Me. Device for removing pulp laps. No. 1,063,606; June 3; Gaz. vol. 191; p. 150.
- Schenck, John E., Chicago, Ill., assignor to American Can Company, New York, N. Y. Can-body-making machine. No. 1,082,559; Dec. 30; Gaz. vol. 197; p. 1031.

Alphabetical list of patentees—Continued.

- Schenk, Cleveland H., Springfield, Ill. Drafting and scaling instrument. No. 1,057,583; Apr. 1; Gaz. vol. 189; p. 63.
- Schenk, Cleveland H., Springfield, Ill. Automatic shut-off for gas-burners. No. 1,074,211; Sept. 30; Gaz. vol. 194; p. 993.
- Schenk, Peter F., Fort Wayne, Ind. Bolt-clamping device. No. 1,050,301; Jan. 14; Gaz. vol. 186; p. 367.
- Schepis, Thomas C., Wilmette, and A. J. Schewe, Chicago, Ill. Newspaper-stand. No. 1,074,384; Sept. 30; Gaz. vol. 194; p. 1051.
- Scherbius, Arthur, Baden, Switzerland. System of control for induction-motors. No. 1,059,771; Apr. 22; Gaz. vol. 189; p. 932.
- Scherbius, Arthur, J. Jonas, and H. Meyer-Delius, assignors to Aktiengesellschaft Brown, Boveri & Cie., Baden, Switzerland. Alternating-current generator. No. 1,064,669; June 10; Gaz. vol. 191; p. 547.
- Scherer, Albert G., assignor to The Excelsior Steel Furnace Company, Chicago, Ill. Nest of stovepipe. No. 1,082,175; Dec. 23; Gaz. vol. 197; p. 864.
- Scherf, J. Paul. (See Naumann, Justus H., assignor.)
- Scherfenberg, Reinhold, Berlin, Germany. Multiple-floor furnace for roasting ores. No. 1,057,584; Apr. 1; Gaz. vol. 189; p. 64.
- Scherleble, Otto, Esslingen, Germany. Bleaching and thickening oils and fats. No. 1,079,727; Nov. 25; Gaz. vol. 196; p. 950.
- Schermerhorn, Edwards F., Brooklyn, assignor to The Rail Joint Company, New York, N. Y. Insulated rail-joint. (Reissue.) No. 13,575; June 10; Gaz. vol. 191; p. 562.
- Schermerhorn, Herschel A., Shabbona Grove, Ill. Spring-wheel. No. 1,066,228; July 1; Gaz. vol. 192; p. 116.
- Schermond, J. Frederick, trustee. (See Mettler and Fudge, assignors.)
- Scherrer, Johann W., Stupki, near Bachmouth, Russia. Crusher. No. 1,057,283; Mar. 25; Gaz. vol. 188; p. 993.
- Scherschel, Frederick P., Bedford, Ind. Corn-planter. No. 1,054,454; Feb. 25; Gaz. vol. 187; p. 1005.
- Schesser, Albert M., deceased; L. Schesser, administratrix, Prairie View, Kans. Threshing-machine. No. 1,063,834; June 3; Gaz. vol. 191; p. 229.
- Schesser, Louisa, administratrix. (See Schesser, Albert M.)
- Schetzl, Marx P., Oakland, Cal. Dredge and excavator. No. 1,070,991; Aug. 19; Gaz. vol. 193; p. 718.
- Scheu, John L., San Francisco, Cal. Metallic tile. No. 1,064,091; June 10; Gaz. vol. 191; p. 349.
- Scheu, John T., executor. (See Schoeppel, Joseph F.)
- Scheu, Solomon F., assignor to Space Marker Company, Buffalo, N. Y. Marking device. No. 1,051,163; Jan. 21; Gaz. vol. 186; p. 700.
- Scheuer, Firm of Herman. (See Scheuer, Jacob H., assignor.)
- Scheuer, Jacob H., assignor to Firm of H. Scheuer, New York, N. Y. Toilet-brush. No. 1,055,088; Mar. 4; Gaz. vol. 188; p. 149.
- Scheuer, Joseph F., Two Rivers, Wis. Thermal circuit-closer. No. 1,076,394; Oct. 21; Gaz. vol. 195; p. 676.
- Scheuer, Joseph F., Two Rivers, Wis. Thermal circuit-closer. No. 1,076,607; Oct. 21; Gaz. vol. 195; p. 752.
- Scheuer, Ralph, New York, N. Y. Coloring-machine for apertures in belts and similar articles. No. 1,062,257; May 20; Gaz. vol. 190; p. 654.
- Scheurmann, Walter, Newark-upon-Trent, England, assignor to Henry R. Worthington. Centrifugal pump. No. 1,049,407; Jan. 7; Gaz. vol. 186; p. 31.
- Scheurmann, Walter P., Dayton, Ohio. Centrifugal pump, blower, and the like. No. 1,050,698; Jan. 14; Gaz. vol. 186; p. 502.
- Scheve, Bernard, Jr. (See Early, William J., assignor.)
- Schewczik, Silvio, San Remo, Italy. Drying plant for textile fabrics. No. 1,072,512; Sept. 9; Gaz. vol. 194; p. 315.
- Schewczik, Silvio A., Vienna, Austria-Hungary. Hot-plate. No. 1,067,683; July 15; Gaz. vol. 192; p. 679.
- Schewe, Alwin J. (See Schepis and Schewe.)
- Schick, Adolph, Wheeling, W. Va., assignor to Schick Wheel and Tire Co. Detachable rim for vehicle-wheels. No. 1,076,238; Oct. 21; Gaz. vol. 195; p. 621.
- Schick, Adolph, Wheeling, W. Va., assignor to Schick Wheel and Tire Co. Vehicle-wheel. No. 1,076,239; Oct. 21; Gaz. vol. 195; p. 621.
- Schick, Carl, Siegen, Germany. Treating ores. No. 1,055,495; Mar. 11; Gaz. vol. 188; p. 320.
- Schick, Charles, Davenport, Iowa. Sewer-cleaner. No. 1,065,174; June 17; Gaz. vol. 191; p. 747.
- Schick Wheel and Tire Co. (See Schick, Adolph, assignor.)
- Schidlowsky, Franz von, St. Petersburg, Russia. Nozzle for fire-extinguishing apparatus. No. 1,061,872; May 13; Gaz. vol. 190; p. 481.
- Schied, Nicholas C. (See Norton, Arthur G., assignor.)
- Schieder, Harry H., assignor of four-tenths to T. B. Snyder, Meadows, Idaho, and two-tenths to N. H. Hall, St. Louis, Mo. Transmission and steering mechanism for motor-driven vehicles. No. 1,079,607; Nov. 25; Gaz. vol. 196; p. 910.
- Schierding, William, Wallace, assignor of one-half to P. J. Scoles, Mullan, Idaho. Dry closet. No. 1,080,930; Dec. 9; Gaz. vol. 197; p. 384.
- Schierer, Edward J. (See Villiger and Schierer.)
- Schierse, Emil, Brooklyn, N. Y. Container. No. 1,076,156; Oct. 21; Gaz. vol. 195; p. 593.
- Schiesari, Mario, Turin, Italy. Type-writing machine. No. 1,058,630; Apr. 8; Gaz. vol. 189; p. 467.
- Schiff, Ludwig, Berlin, assignor to F. Vogelsang, Charlottenburg, Germany. Door-securing device. No. 1,057,504; Apr. 1; Gaz. vol. 189; p. 37.
- Schiff, Morris, New York, N. Y. Locking device for clasps. No. 1,080,371; Dec. 2; Gaz. vol. 197; p. 160.
- Schiffler, Mathias. (See Schiffler, Peter, assignor.)
- Schiffler, Peter, assignor to M. Schiffler, Aachen, Germany. Pile-planking of rolled figured iron. No. 1,067,684; July 15; Gaz. vol. 192; p. 680.
- Schilders, William, and W. Murphy, Whitlow, Ark. Saw-vise. No. 1,063,292; June 3; Gaz. vol. 191; p. 42.
- Schilgen, Firm of J. (See Kohl, Franz, assignor.)
- Schiller, Adolf, Schöneberg, near Berlin, Germany. Manufacture of globular glass bottles. No. 1,080,372; Dec. 2; Gaz. vol. 197; p. 161.
- Schiller, Frederick V., Oakland, Cal. Block for building construction. No. 1,057,095; Mar. 25; Gaz. vol. 188; p. 929.
- Schiller, Maurice H., assignor to Sturm, Mayer & Company, Chicago, Ill. Combination-coat. No. 1,076,707; Oct. 28; Gaz. vol. 195; p. 841.
- Schiller, Morris, St. Louis, Mo. Sewing-machine. No. 1,049,408; Jan. 7; Gaz. vol. 186; p. 31.
- Schilling, Charles R., St. Louis, Mo. Gearing. No. 1,067,144; July 8; Gaz. vol. 192; p. 458.
- Schilling, Hans, Siegen, Germany. Rolling-mill for making pipes. No. 1,052,848; Feb. 11; Gaz. vol. 187; p. 375.
- Schilling, Henry W., Noble, Ill. Vending-machine. No. 1,067,942; July 22; Gaz. vol. 192; p. 798.
- Schilling, John M., and H. A. Baldwin, Chicago, Ill. Gravity-motor. No. 1,080,593; Dec. 9; Gaz. vol. 197; p. 267.
- Schilling, Rudolf, Schöneberg, near Berlin, Germany. Apparatus for separating floating matter from effluents. No. 1,057,174; Mar. 25; Gaz. vol. 188; p. 955.
- Schilling, William E., Kansas City, Mo. Vehicle-wheel. No. 1,056,591; Mar. 18; Gaz. vol. 188; p. 726.
- Schillinger, William H., Rock Island, Ill. Explosive-engine. No. 1,069,480; Aug. 5; Gaz. vol. 193; p. 138.
- Schimanek, Emil, Budapest, Austria-Hungary. Combustion-engine. No. 1,068,173; July 22; Gaz. vol. 192; p. 877.
- Schimmel, Franz, Nancy, France. Machine for composing and casting lines of type. No. 1,055,089; Mar. 4; Gaz. vol. 188; p. 149.
- Schimmel, Franz, Montrouge, France. Apparatus for setting and casting separate types on linotype-machines. No. 1,068,936; July 29; Gaz. vol. 192; p. 1183.
- Schimmel, Fridolin, Faribault, Minn. Piano-action. No. 1,071,801; Sept. 2; Gaz. vol. 194; p. 46.
- Schimmel, Fridolin, assignor to Schimmel, Reid & Company, Faribault, Minn. Shock-absorber. No. 1,052,013; Feb. 4; Gaz. vol. 187; p. 58.
- Schimmel, Fridolin, assignor to Schimmel, Reid & Company, Faribault, Minn. Lock-nut. No. 1,062,039; May 20; Gaz. vol. 190; p. 579.
- Schimmel, Reid & Company. (See Schimmel, Fridolin, assignor.)
- Schimpf, Theo. W., et al. (See Boehm, Christopher, assignor.)
- Schindelmeiser, Johann, Dorpat, Russia. Refining raw unrefined pine-oil, turpentine-oil, and the like. No. 1,068,174; July 22; Gaz. vol. 192; p. 877.
- Schindler, Carl, Berlin-Schöneberg, Germany. High-percent. salvarsan emulsion. No. 1,051,520; Jan. 28; Gaz. vol. 186; p. 854.
- Schindler, Emil F., Dallas, Tex. Window-shade roller. No. 1,069,584; Aug. 5; Gaz. vol. 193; p. 170.
- Schirmacher, Karl, and H. Elvert, assignors to Farbwerke vorm. Meister Lucius & Brüning, Höchst-on-the-Main, Germany. Brown azo dyestuff. No. 1,076,321; Oct. 21; Gaz. vol. 195; p. 651.
- Schirmacher, Karl, and H. Elvert, assignors to Farbwerke vorm. Meister Lucius & Brüning, Höchst-on-the-Main, Germany. Brown azo dyestuffs. No. 1,077,492; Nov. 4; Gaz. vol. 196; p. 90.
- Schirmer, Theodor, and M. C. Stern, assignors to The Egry Register Company, Dayton, Ohio. Autographic register. No. 1,057,175; Mar. 25; Gaz. vol. 188; p. 956.
- Schisler, Frank J., Winthrop, Minn. Poultry drinking-fountain. No. 1,062,609; May 27; Gaz. vol. 190; p. 812.
- Schisler, Frank J., Winthrop, Minn. Feed-hopper. No. 1,062,610; May 27; Gaz. vol. 190; p. 812.
- Schisler, Frank J., Winthrop, Minn. Metallic railway-tie. No. 1,063,471; June 3; Gaz. vol. 191; p. 101.
- Schisler, Frank J., Winthrop, Minn. Feed-trough. No. 1,067,377; July 15; Gaz. vol. 192; p. 575.
- Schisler, Frank J., Winthrop, Minn. Trap-nest. No. 1,068,084; July 22; Gaz. vol. 192; p. 847.

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- Schlachter, Robert H. (See Elliott, Loeber, and Schlachter.)
- Schladky, Julius H., assignor to The Canton Culvert Company, Canton, Ohio. Culvert. No. 1,055,806; Mar. 11; Gaz. vol. 188; p. 423.
- Schladky, Julius H., assignor to The Canton Culvert Company, Canton, Ohio. Culvert. No. 1,058,198; Apr. 8; Gaz. vol. 189; p. 320.
- Schladky, Julius H., assignor to The Canton Culvert Company, Canton, Ohio. Culvert. No. 1,072,173; Sept. 2; Gaz. vol. 194; p. 172.
- Schladky, Julius H., assignor to The Canton Culvert Company, Canton, Ohio. Culvert. No. 1,077,232; Oct. 28; Gaz. vol. 195; p. 1018.
- Schlagel, Conrad, Otis, Kans. Rail-joint. No. 1,067,145; July 8; Gaz. vol. 192; p. 459.
- Schlairet, Edward A., Mount Vernon, Ohio. Resilient wheel. No. 1,076,914; Oct. 28; Gaz. vol. 195; p. 914.
- Schlatter, Gustav. (See Mayer and Schlatter.)
- Schlatter, Gustav, Arbon, Switzerland. Tilting autotruck. No. 1,071,265; Aug. 26; Gaz. vol. 193; p. 846.
- Schlatz, August. (See Schlatz, Otto and A.)
- Schlatz, Otto and A., Republican City, Nebr. Latch. No. 1,071,802; Sept. 2; Gaz. vol. 194; p. 47.
- Schlayer, Charles. (See Drake and Schlayer.)
- Schlechter, Gustavus A., assignor to G. A. Schlechter Co., Reading, Pa. Scarf-pin. No. 1,053,539; Feb. 18; Gaz. vol. 187; p. 657.
- Schlegel, Oswald A. (See Dianovszky, John, assignor.)
- Schlegelmilch, John J. (See Baldwin and Schlegelmilch.)
- Schlehr, Joseph A., Chicago, Ill. Wrench. No. 1,095,945; Oct. 14; Gaz. vol. 195; p. 493.
- Schlehr, Joseph A., assignor to Eagle Claw Wrench Company, Chicago, Ill. Tool. No. 1,051,921; Feb. 4; Gaz. vol. 187; p. 25.
- Schleicher, John C., Mount Vernon, N. Y. Amusement device. No. 1,061,504; May 13; Gaz. vol. 190; p. 358.
- Schleicher, John C., Mount Vernon, N. Y. Life-raft. No. 1,066,661; July 8; Gaz. vol. 192; p. 294.
- Schleicher, John C., Mount Vernon, N. Y. Ship. No. 1,076,068; Oct. 21; Gaz. vol. 195; p. 564.
- Schleicher, John C., Mount Vernon, N. Y. Airship. No. 1,077,563; Nov. 4; Gaz. vol. 196; p. 113.
- Schleicher, William A., Cleveland, Ohio. Combined license-bracket for vehicles. No. 1,050,395; Jan. 14; Gaz. vol. 186; p. 400.
- Schleier, Charles W., Wellston, Mo. Safety-envelop. No. 1,052,974; Feb. 11; Gaz. vol. 187; p. 418.
- Schleier, George R. (See Komarek and Schleier.)
- Schleit, Willis A. (See Bryant, Courtney S., assignor.) (Reissue.)
- Schlesinger, Curt. (See Arendt and Schlesinger.)
- Schless, Brod & Co. (See Schless, Maurice J., assignor.)
- Schless, Maurice J., New York, N. Y., assignor to Schless, Brod & Co., Newark, N. J. Necktie-clasp. No. 1,072,779; Sept. 9; Gaz. vol. 194; p. 408.
- Schleuning, Wilhelm, Friedenau, Germany. Apparatus for manufacturing hollow bricks with closed ends. No. 1,063,071; May 27; Gaz. vol. 190; p. 964.
- Schley, George B., Milwaukee, Wis., assignor to Allis Chalmers Company. Motor-control system. No. 1,072,656; Sept. 9; Gaz. vol. 194; p. 365.
- Schlicht, August, Canton, Kans. Mold. No. 1,074,471; Sept. 30; Gaz. vol. 194; p. 1080.
- Schlichter, Enos F., Philadelphia, Pa. Fastening for hoops and crosspieces in silos and the like. No. 1,060,367; Apr. 29; Gaz. vol. 189; p. 1178.
- Schlichting, Albert T., Newark, N. J. Refrigerator. No. 1,058,906; Apr. 15; Gaz. vol. 189; p. 603.
- Schlick, Otto, Berlin, Germany. Pyrophorous lighter. No. 1,057,585; Apr. 1; Gaz. vol. 189; p. 64.
- Schliecker, August H. F., Vinita, Okla. Hand-bag and the like. No. 1,079,188; Nov. 18; Gaz. vol. 196; p. 736.
- Schlinck, Julius, Hamburg, Germany. Manufacture of solid fatty substances from oil. No. 1,082,707; Dec. 30; Gaz. vol. 197; p. 1083.
- Schlittenbach, Felix von, Stolberg, Germany. Process and apparatus for roasting ores and recovering the gases therefrom. No. 1,069,191; Aug. 5; Gaz. vol. 193; p. 36.
- Schlis, Michael, Bayfield, Wis. Door-fastener. No. 1,077,433; Nov. 4; Gaz. vol. 196; p. 68.
- Schlobohm, Henry E. (See Glowth, Frederick J., assignor.)
- Schloemilch, Wilhelm, Berlin, Germany. Fork with movable supplementary prong. No. 1,062,189; May 20; Gaz. vol. 190; p. 630.
- Schloemilch, Wilhelm, Berlin, and P. F. Pichon, Südende, near Berlin, assignors to Gesellschaft für drahtlose Telegraphie m. b. H., Berlin, Germany. System of radiotelephony. No. 1,052,849; Feb. 11; Gaz. vol. 187; p. 375.
- Schloss, Harry M., New York, N. Y. Window-shade adjuster. No. 1,050,302; Jan. 14; Gaz. vol. 186; p. 367.
- Schloss, Meyer W. (See Guggenheim, Edgar, assignor.)
- Schloss, Meyer W. (See Weismantel, Joseph W., assignor.)
- Schloss, Meyer W., New York, N. Y. Dispensing appliance. No. 1,056,457; Mar. 18; Gaz. vol. 188; p. 678.
- Schloss, Meyer W., New York, N. Y. Hose-supporter. No. 1,061,017; May 6; Gaz. vol. 190; p. 158.
- Schloss, Meyer W., New York, N. Y. Elastic cord or strand. No. 1,066,759; July 8; Gaz. vol. 192; p. 330.
- Schloss, Newton L., assignor of one-fourth to J. Norden and one-fourth to M. Norden, New York, N. Y. Elevator signal system. No. 1,076,395; Oct. 21; Gaz. vol. 195; p. 676.
- Schlossberg, Emil, New York, N. Y. Pin-setter for bowling-alleys. No. 1,080,373; Dec. 2; Gaz. vol. 197; p. 161.
- Schlösser, Adolph, Dodge, Nebr. Telephone attachment. No. 1,058,631; Apr. 8; Gaz. vol. 189; p. 468.
- Schlötter, Georg A., Dresden, Germany. Propeller. No. 1,062,258; May 20; Gaz. vol. 190; p. 654.
- Schlüchtner, Joseph G., Brooklyn, N. Y. Automatic heat-alarm. No. 1,076,157; Oct. 21; Gaz. vol. 195; p. 593.
- Schlüchtner, Joseph G., Brooklyn, N. Y. Electric fire-alarm system. No. 1,079,667; Nov. 25; Gaz. vol. 196; p. 929.
- Schlueter, Arthur F. W., Bartlett, Ill. Motor-stopping device. No. 1,074,385; Sept. 30; Gaz. vol. 194; p. 1051.
- Schlueter, Ferdinand, Jr. (See Schlueter, Karl M. and F.)
- Schlueter, Herbert, and C. Zimmermann, Jr., assignors to New Process Varnish Company, New York, N. Y. Manufacture of varnish. No. 1,053,652; Feb. 18; Gaz. vol. 187; p. 695.
- Schlueter, Karl M. and F., Jr., New York, N. Y. Mechanism for imposing and registering printing-plates. No. 1,067,067; July 8; Gaz. vol. 192; p. 431.
- Schlutter, John, Baltimore, Md. Nut-lock. No. 1,073,176; Sept. 16; Gaz. vol. 194; p. 587.
- Schmachtenberger, Ottomer, Decatur, Ill. Automatically-closing valve. No. 1,082,708; Dec. 30; Gaz. vol. 197; p. 1084.
- Schmall, Gustave L., New Harmony, Ind. Collapsible egg-shipping case. No. 1,051,274; Jan. 21; Gaz. vol. 186; p. 736.
- Schmalzried, John F., Fort Worth, Tex. Sanitary drain-pipe for refrigerators. No. 1,059,570; Apr. 22; Gaz. vol. 189; p. 867.
- Schmatolla, Ernst, New York, N. Y. Producer-gas-fired shaft-kiln. No. 1,068,175; July 22; Gaz. vol. 192; p. 877.
- Schmedlen, William H., Coldwater, Mich. Buggy-top. No. 1,068,454; July 29; Gaz. vol. 192; p. 1014.
- Schmedtje, Adolph H., St. Louis, Mo. Shipping case and barrel for bottles. No. 1,057,587; Apr. 1; Gaz. vol. 189; p. 65.
- Schmeisser, Louis, Erfurt, Germany. Automatic firearm. No. 1,077,760; Nov. 4; Gaz. vol. 196; p. 179.
- Schmelz, William A., Pittsburgh, Pa. Combined walking-stick and pennant-holder. No. 1,060,133; Apr. 29; Gaz. vol. 189; p. 1095.
- Schmelzer, Bernard, Joliet, Ill. Liquid-tapping device. No. 1,077,943; Nov. 4; Gaz. vol. 196; p. 242.
- Schmeykal, Walter A., Chicago, Ill. Faucet. No. 1,064,549; June 10; Gaz. vol. 191; p. 507.
- Schmid, Emil, Twining City, D. C. Door-hanger. No. 1,072,040; Sept. 2; Gaz. vol. 194; p. 127.
- Schmid, Emil, Twining City, D. C. Sliding-door fastener and buffer. No. 1,073,057; Sept. 9; Gaz. vol. 194; p. 509.
- Schmid, Emil, Twining City, D. C. Cooking utensil. No. 1,074,647; Oct. 7; Gaz. vol. 195; p. 21.
- Schmid, Frederick, New Rochelle, assignor to C. P. Goerz American Optical Co., New York, N. Y. Film-pack adapter. No. 1,073,442; Sept. 16; Gaz. vol. 194; p. 681.
- Schmid, Gustave, Chicago, Ill. Stilt. No. 1,078,962; Nov. 18; Gaz. vol. 196; p. 654.
- Schmid, Joseph H., St. Louis, Mo. Switch-throwing device. No. 1,067,760; July 15; Gaz. vol. 192; p. 704.
- Schmid-Roost, Jakob, Oerlikon, Switzerland. Making ball-bearings. No. 1,067,685; July 15; Gaz. vol. 192; p. 680.
- Schmidlin, Robert, assignor to Farbwerke vorm. Meister Lucius & Brüning, Höchst-on-the-Main, Germany. Yellow to brown wool-dyestuffs and making same. No. 1,059,571; Apr. 22; Gaz. vol. 189; p. 867.
- Schmidt, Adolph, Hastings, Nebr. Plow. No. 1,080,076; Dec. 2; Gaz. vol. 197; p. 55.
- Schmidt, Albert, assignor to Champion Ignition Company, Flint, Mich. Spark-plug. No. 1,062,612; May 27; Gaz. vol. 190; p. 813.
- Schmidt, Albert, assignor to Champion Ignition Co., Flint, Mich. Spark-plug. No. 1,077,002; Oct. 28; Gaz. vol. 195; p. 945.
- Schmidt, Albert, assignor to Champion Ignition Company, Flint, Mich. Spark-plug. No. 1,077,003; Oct. 28; Gaz. vol. 195; p. 946.
- Schmidt, Albrecht, assignor to Farbwerke vorm. Meister Lucius & Brüning, Höchst-on-the-Main, Germany. Synthetic indigo in a new form and making same. No. 1,058,019; Apr. 1; Gaz. vol. 189; p. 214.
- Schmidt, Albrecht, assignor to Farbwerke vorm. Meister Lucius & Brüning, Höchst-on-the-Main, Germany. Synthetic indigo in a new form and making same. No. 1,058,020; Apr. 1; Gaz. vol. 189; p. 214.

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- Schmidt, Albrecht, Höchst-on-the-Main, and G. Kränzlein, Sindlingen, near Höchst-on-the-Main, assignors to Farbwerke vorm. Meister Lucius & Brüning, Höchst-on-the-Main, Germany. Condensation product of the anthracene series and making same. No. 1,052,520; Feb. 11; Gaz. vol. 187; p. 263.
- Schmidt, Albrecht, and A. Steindorff, assignors to Farbwerke vorm. Meister Lucius & Brüning, Höchst-on-the-Main, Germany. Stable indigo-white preparations and making same. No. 1,054,039; Feb. 25; Gaz. vol. 187; p. 863.
- Schmidt, Albrecht, and A. Steindorff, assignors to Farbwerke vorm. Meister Lucius & Brüning, Höchst-on-the-Main, Germany. Manufacturing a new form of synthetic indigo. No. 1,057,886; Apr. 1; Gaz. vol. 189; p. 168.
- Schmidt, Albrecht, and A. Steindorff, assignors to Farbwerke vorm. Meister Lucius & Brüning, Höchst-on-the-Main, Germany. Manufacturing finely-divided colloid-like indigo. No. 1,057,887; Apr. 1; Gaz. vol. 189; p. 169.
- Schmidt, Albrecht, and K. Thiess, assignors to Farbwerke vorm. Meister Lucius & Brüning, Höchst-on-the-Main, Germany. Greenish-blue hexabromindigo. No. 1,061,781; May 13; Gaz. vol. 190; p. 452.
- Schmidt, Albrecht, and K. Thiess, assignors to Farbwerke vorm. Meister Lucius & Brüning, Höchst-on-the-Main, Germany. Pentabromindigo. No. 1,070,541; Aug. 19; Gaz. vol. 193; p. 572.
- Schmidt, Arnold F. von, Munich, Germany, assignor to Busch-Sulzer Bros.-Diesel Engine Company, St. Louis, Mo. Internal-combustion engine. No. 1,075,603; Oct. 14; Gaz. vol. 195; p. 378.
- Schmidt, Bertel H. (See Schmidt and Seberg.)
- Schmidt, Charles, assignor, by mesne assignments, to The Peerless Motor Car Company, Cleveland, Ohio. Controller mechanism for explosion-engines. No. 1,062,738; May 27; Gaz. vol. 190; p. 853.
- Schmidt, Charles G., assignor to Cincinnati Butchers' Supply Co., Cincinnati, Ohio. Auxiliary refrigerator-door. No. 1,070,186; Aug. 12; Gaz. vol. 193; p. 408.
- Schmidt, Eduard, assignor to Firm of W. G. Schröder, Lübeck, Germany. Arrangement for mixing emulsions. No. 1,062,554; May 20; Gaz. vol. 190; p. 750.
- Schmidt, Ernest C., and A. U. Smith, Bonesteel, S. D. Seed-tester. No. 1,067,556; July 15; Gaz. vol. 192; p. 635.
- Schmidt, Ernest H., assignor to The National Malleable Castings Company, Cleveland, Ohio. Car-coupling mechanism. No. 1,051,455; Jan. 28; Gaz. vol. 186; p. 831.
- Schmidt, Ernest H., assignor to The National Malleable Castings Company, Cleveland, Ohio. Radial-draft gear. No. 1,072,041; Sept. 2; Gaz. vol. 194; p. 127.
- Schmidt, Ferdinand L., New York, N. Y. Feeding mechanism for envelop-machines. No. 1,063,140; May 27; Gaz. vol. 190; p. 986.
- Schmidt, Franz, Hamburg, Germany. Treating coffee-beans for the elimination of deleterious constituents thereof. No. 1,069,982; Aug. 12; Gaz. vol. 193; p. 336.
- Schmidt, Fred W. (See McMahon, Frank, assignor.)
- Schmidt, Godfrey F., Centralia, Kans. Buckle-protector. No. 1,055,665; Mar. 11; Gaz. vol. 188; p. 375.
- Schmidt, Godfrey P. (See Strachan and Schmidt.)
- Schmidt, Harel, assignor of fifteen one-hundredths to A. A. Cocke, Dallas, Tex. Hat-fastener. No. 1,066,422; July 1; Gaz. vol. 192; p. 179.
- Schmidt, Harry J., Spokane, Wash. Can-opener. No. 1,070,357; Aug. 12; Gaz. vol. 193; p. 465.
- Schmidt, Heinrich F., Angleton, Tex. Oyster-opener. No. 1,071,352; Aug. 26; Gaz. vol. 193; p. 875.
- Schmidt, Henry O., *et al.* (See Propson, Harry E., assignor.)
- Schmidt, Jacob O., Sheboygan, Wis. Folding stand. No. 1,062,190; May 20; Gaz. vol. 190; p. 630.
- Schmidt, Johann. (See Simon, Wilhelm, assignor.)
- Schmidt, Joseph. (See Braveman and Schmidt.)
- Schmidt, Joseph, Jr., Chicago, Ill. Oar. No. 1,066,662; July 8; Gaz. vol. 192; p. 294.
- Schmidt, Karl, Hermsdorf, near Berlin, Germany, assignor to General Electric Company. Transformer connection. No. 1,072,042; Sept. 2; Gaz. vol. 194; p. 127.
- Schmidt, Karl K., and M. Kleinstück, Dresden, Germany. Artificially staining woods. No. 1,057,284; Mar. 25; Gaz. vol. 188; p. 993.
- Schmidt, Louis, Hanover, assignor to Siemens & Halske A. G., Berlin, Germany. High-tension rectifier for alternating currents. No. 1,070,542; Aug. 19; Gaz. vol. 193; p. 572.
- Schmidt, Louis A., assignor, by mesne assignments, to R. Hoe and Co., New York, N. Y. Printing-machine. No. 1,075,499; Oct. 14; Gaz. vol. 195; p. 342.
- Schmidt, Louis M., *et al.* (See Propson, Harry E., assignor.)
- Schmidt, Louis M. (See Taylor, Adele W., assignor.)
- Schmidt, Louis R., San Luis Obispo, Cal. Stamp. No. 1,069,192; Aug. 5; Gaz. vol. 193; p. 37.
- Schmidt, Martin H. and B. H., and A. R. Seberg, Oakland, Cal. Attachment for hat-pins. No. 1,061,410; May 13; Gaz. vol. 190; p. 326.
- Schmidt, Max, Hirschberg, Germany. Cylinder for steam-engines and the like. No. 1,063,835; June 3; Gaz. vol. 191; p. 229.
- Schmidt, Max, Hirschberg, Germany. Cylinder for steam-engines and the like. No. 1,068,937; July 29; Gaz. vol. 192; p. 1183.
- Schmidt, Max E., and A. J. Fearing, New York, N. Y.; said Fearing assignor to said Schmidt. Carrier. No. 1,054,943; Mar. 4; Gaz. vol. 188; p. 97.
- Schmidt, Oscar. (See Habermann, Charles, assignor.)
- Schmidt, Oscar, Jersey City, N. J. Neck for banjos or the like. No. 1,062,509; May 20; Gaz. vol. 190; p. 737.
- Schmidt, Otto, Haspe, Germany. Apparatus for inexpensively storing and drawing off igniferous liquids. No. 1,052,095; Feb. 4; Gaz. vol. 187; p. 87.
- Schmidt, Otto, Mannheim, assignor to Badische Anilin & Soda Fabrik, Ludwigshafen-on-the-Rhine, Germany. Producing butadiene and derivatives thereof. No. 1,070,294; Aug. 12; Gaz. vol. 193; p. 444.
- Schmidt, Otto, Mannheim, assignor to Badische Anilin & Soda Fabrik, Ludwigshafen-on-the-Rhine, Germany. Azo dyes and making the same. No. 1,075,305; Oct. 7; Gaz. vol. 195; p. 250.
- Schmidt, Otto A., Chelmsford, assignor to The Hoffmann Manufacturing Company Limited, London, England. Machine for grinding rollers. No. 1,055,807; Mar. 11; Gaz. vol. 188; p. 424.
- Schmidt, Otto A., Chelmsford, assignor to The Hoffmann Manufacturing Company Limited, London, England. Machine for grinding rollers. No. 1,055,808; Mar. 11; Gaz. vol. 188; p. 424.
- Schmidt, Peter G., Olympia, Wash. Gas-washer. No. 1,051,016; Jan. 21; Gaz. vol. 186; p. 650.
- Schmidt, Peter G., Olympia, Wash. Gas-washer. No. 1,051,017; Jan. 21; Gaz. vol. 186; p. 650.
- Schmidt, Peter G., and W. W. Gore, Olympia, Wash. Washer for producer-gas generators. No. 1,076,158; Oct. 21; Gaz. vol. 195; p. 594.
- Schmidt, Samuel, Farmersville, Ohio. Elevator for green tobacco. No. 1,079,608; Nov. 25; Gaz. vol. 196; p. 910.
- Schmidt, Wilhelm, Cassel-Wilhelmshöhe, assignor to Schmidt'sche Heissdampf-Gesellschaft m. b. H., Cassel, Germany. Quick-acting steam-generator. No. 1,068,368; July 22; Gaz. vol. 192; p. 945.
- Schmidt, Wilhelm, Cassel-Wilhelmshöhe, assignor to Schmidt'sche Heissdampf Gesellschaft mit beschränkter Haftung, Cassel, Germany. Water-tube boiler. No. 1,072,174; Sept. 2; Gaz. vol. 194; p. 173.
- Schmidt, Wilhelm, and P. Thomsen, Cassel-Wilhelmshöhe, assignor to Schmidt'sche Heissdampf-Gesellschaft m. b. H., Cassel, Germany. Smoke-tube superheater. No. 1,063,394; June 3; Gaz. vol. 191; p. 77.
- Schmidt, Wilhelm, and P. Thomsen, Wilhelmshöhe, near Cassel, Germany, assignors to Schmidt'sche Heissdampf Gesellschaft, m. b. H., Cassel, Germany. Superheater for water-tube boilers. No. 1,073,934; Sept. 23; Gaz. vol. 194; p. 872.
- Schmidt, Wilhelm A., assignor, by mesne assignments, to Remington Typewriter Company, Ilion, N. Y. Grinding-machine. No. 1,061,692; May 13; Gaz. vol. 190; p. 425.
- Schmidt, William F. (See White and Schmidt.)
- Schmidt, William G., Somerville, Mass. Lady's hat-pin. No. 1,060,134; Apr. 29; Gaz. vol. 189; p. 1095.
- Schmidt, William L., assignor to Hartman Manufacturing Company, Vincennes, Ind. Adjustable cultivator-frame. No. 1,051,018; Jan. 21; Gaz. vol. 186; p. 650.
- Schmidt'sche Heissdampf Gesellschaft m. b. H. (See Esch, Peter, assignor.)
- Schmidt'sche Heissdampf-Gesellschaft m. b. H. (See Schmidt, Wilhelm, assignor.)
- Schmidt'sche Heissdampf Gesellschaft, m. b. H. (See Schmidt and Thomsen, assignors.)
- Schmidt'sche Heissdampf Gesellschaft mit beschränkter Haftung. (See Schmidt, Wilhelm, assignor.)
- Schmidt'sche Heissdampf-Gesellschaft mit beschränkter Haftung. (See Thomsen, Peter, assignor.)
- Schmidt'sche Heissdampf-Gesellschaft mit beschränkter Haftung. (See Thomsen and Doettloff, assignors.)
- Schmits, Walter D., New York, N. Y. Chair-seat. No. 1,075,500; Oct. 14; Gaz. vol. 195; p. 342.
- Schmitt, Adam, Mainz, Germany. Lace-fastening for articles of clothing, such as boots and shoes. No. 1,068,085; July 22; Gaz. vol. 192; p. 847.
- Schmitt, Charles A., assignor to The Carter's Ink Company, Boston, Mass. Ink. No. 1,050,236; Jan. 14; Gaz. vol. 186; p. 344.
- Schmitt, Edward D., assignor to The Pure Food Process Company, Baltimore, Md. Glass jar or bottle. No. 1,049,926; Jan. 7; Gaz. vol. 186; p. 206.
- Schmitt, Edward D., assignor to Pure Food Process Company, Baltimore, Md. Jar-cap. No. 1,075,125; Oct. 7; Gaz. vol. 195; p. 184.

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- Schmitt, Eugene E., St. Louis, Mo. Door or window closure. No. 1,050,699; Jan. 14; Gaz. vol. 186; p. 503.
- Schmitt, George, Glenmont, N. Y. Dirigible headlight. No. 1,050,237; Jan. 14; Gaz. vol. 186; p. 344.
- Schmitt, Jacob, *et al.* (See Shipp, Michael W., assignor.)
- Schmitt, Julius, Minneapolis, Minn. Stay-bolt. No. 1,052,282; Feb. 4; Gaz. vol. 187; p. 151.
- Schmitt, Richard, and J. Rindlsbacher, Hagen, Germany. Sounding-board for pianos. No. 1,052,755; Feb. 11; Gaz. vol. 187; p. 341.
- Schmitt, William, Seguin, Tex. Knee-pad. No. 1,074,531; Sept. 30; Gaz. vol. 194; p. 1097.
- Schmitz, Frank C., New York, N. Y. Bar for reinforcing concrete, &c. No. 1,071,803; Sept. 2; Gaz. vol. 194; p. 47.
- Schmitz, Peter J. (See Crolla and Schmitz.)
- Schmoeger, Edwin H. (See Fairbrother, George E., assignor.)
- Schmuck, Joseph, Steglitz, near Berlin, assignor to Optische Anstalt C. P. Goerz Aktiengesellschaft, Friedenau, near Berlin, Germany. Magazine plate-holder and film-pack therefor. No. 1,066,955; July 8; Gaz. vol. 192; p. 395.
- Schmuck, Phillip A., Los Angeles, Cal. Bull-rope protector. No. 1,074,212; Sept. 30; Gaz. vol. 194; p. 994.
- Schmucker, Edwin B., Norfolk, Va. Infant's high chair. No. 1,060,503; Apr. 29; Gaz. vol. 189; p. 1225.
- Schmurkin, Iwan, Moscow, Russia. Mechanism for counting and recording the use of sound-reproducing records. No. 1,060,504; Apr. 29; Gaz. vol. 189; p. 1226.
- Schnabel, George. (See Nemmert and Schnabel.)
- Schnabl, Gustav, assignor to C. Schember & Söhne, Atzgersdorf, near Vienna, Austria-Hungary. Automatic weighing-scale. No. 1,080,374; Dec. 2; Gaz. vol. 197; p. 161.
- Schnaier, Milton, New York, N. Y. Hose-rack. No. 1,079,026; Nov. 18; Gaz. vol. 196; p. 680.
- Schnarr, Henry R., and M. Wolf, Chicago, Ill.; said Wolf assignor to said Schnarr. Bow for vehicle-tops. No. 1,053,230; Feb. 18; Gaz. vol. 187; p. 550.
- Schnebbe, Daniel W., New York, N. Y. Fountain-pen. No. 1,061,693; May 13; Gaz. vol. 190; p. 426.
- Schnebly, Jacob M., and J. C. Beard, Kahoka, Mo. Collapsible poultry-coop. No. 1,050,855; Jan. 21; Gaz. vol. 186; p. 593.
- Schneeloch, August, Oneida, assignor of one-half to J. E. Thomas, New York, and one-half to E. C. Stearns & Co., Syracuse, N. Y. Controlling means for paper-feed rollers. No. 1,058,632; Apr. 8; Gaz. vol. 189; p. 468.
- Schneeloch, August, assignor of one-half to J. E. Thomas, New York, and one-half to E. C. Stearns & Co., Syracuse, N. Y. Type-writing machine. No. 1,058,907; Apr. 15; Gaz. vol. 189; p. 603.
- Schneeloch, August, assignor of one-half to E. C. Stearns & Co., Syracuse, N. Y., and one-half to The Oliver Typewriter Company, Chicago, Ill. Type-writing machine. No. 1,060,135; Apr. 29; Gaz. vol. 189; p. 1095.
- Schneeloch, August, and J. L. Smith, assignors of two-thirds to E. C. Stearns & Co., Syracuse, N. Y., and one-third to The Oliver Typewriter Company, Chicago, Ill. Type-bar for type-writing machines. No. 1,061,018; May 6; Gaz. vol. 190; p. 159.
- Schneeman, Frederick W., New York, N. Y. Pen and pencil holder. No. 1,078,001; Nov. 11; Gaz. vol. 196; p. 292.
- Schneemann, Carl F. W. (See Dethleffs, Max, assignor.)
- Schneible, Carl A., New York, N. Y. Faucet. No. 1,050,176; Jan. 14; Gaz. vol. 186; p. 325.
- Schneible, Joseph, Chicago, Ill. Refrigerating apparatus. No. 1,062,856; May 27; Gaz. vol. 190; p. 893.
- Schneible, Joseph, Chicago, Ill. Jet-pump. No. 1,065,730; June 24; Gaz. vol. 191; p. 974.
- Schneible, Joseph, Chicago, Ill. Centrifugal force-pump. No. 1,065,731; June 24; Gaz. vol. 191; p. 974.
- Schneible, Joseph, Chicago, Ill. Centrifugal pump. No. 1,065,732; June 24; Gaz. vol. 191; p. 975.
- Schneider, Albert L., Braddock, Pa. Lamplighting device. No. 1,063,936; June 3; Gaz. vol. 191; p. 263.
- Schneider, Alexander M., New York, N. Y. Adjustable garment. No. 1,065,554; June 24; Gaz. vol. 191; p. 915.
- Schneider, Alexander M., New York, N. Y. Adjustable garment. No. 1,071,353; Aug. 26; Gaz. vol. 193; p. 875.
- Schneider, Alfred, Rockville, Conn. Apparatus for assembling and suspending tobacco-leaves. No. 1,055,664; Mar. 11; Gaz. vol. 188; p. 374.
- Schneider, Anton. (See Schneider, Frank and A.)
- Schneider, Carl. (See Gaines, John, assignor.)
- Schneider, Charles F., and J. Hayman, Waukegan, Ill. Window. No. 1,073,637; Sept. 23; Gaz. vol. 194; p. 769.
- Schneider, Charles J., Auburn, N. Y. Photographic camera. No. 1,053,067; Feb. 11; Gaz. vol. 187; p. 450.
- Schneider, Charles O., Wimbledon, London, England. Trousers-stretcher. No. 1,061,329; May 13; Gaz. vol. 190; p. 298.
- Schneider & Cie. (See Bourdelles, Emile, assignor.)
- Schneider, Eberhard, New York, N. Y. Adjustable film-perforating machine. No. 1,062,932; May 27; Gaz. vol. 190; p. 918.
- Schneider, Edward L., assignor to Crouse-Hinds Company, Syracuse, N. Y. Waterproof incandescent-electric-lamp socket. No. 1,054,455; Feb. 25; Gaz. vol. 187; p. 1005.
- Schneider, Ernest, Vienna, Austria-Hungary. Speedometer. No. 1,064,935; June 17; Gaz. vol. 191; p. 669.
- Schneider, Eugène, Le Creuzot, France. Submarine mine. No. 1,073,291; Sept. 16; Gaz. vol. 194; p. 628.
- Schneider, Eugène, Le Creuzot, France. Breech mechanism of guns. No. 1,076,842; Oct. 28; Gaz. vol. 195; p. 887.
- Schneider, Ferdinand, Fulda, Germany. Apparatus for the operation of electrical clocks by electric waves. No. 1,054,622; Feb. 25; Gaz. vol. 187; p. 1061.
- Schneider, Frank and A., Meadow, S. D. Plow. No. 1,052,283; Feb. 4; Gaz. vol. 187; p. 151.
- Schneider, Frank F., Ridgefield, Conn. Electric lock-strike. No. 1,072,996; Sept. 9; Gaz. vol. 194; p. 489.
- Schneider, Franklin, assignor to The Van Dorn and Dutton Company, Cleveland, Ohio. Electric switch. No. 1,073,935; Sept. 23; Gaz. vol. 194; p. 873.
- Schneider, Frederick D., Bedford, Ohio. Heater. No. 1,054,944; Mar. 4; Gaz. vol. 188; p. 98.
- Schneider, Frederick D., Bedford, Ohio. Heater. No. 1,077,761; Nov. 4; Gaz. vol. 196; p. 179.
- Schneider, Fritz A., New York, N. Y. Safety attachment for compression refrigerating apparatus. No. 1,054,456; Feb. 25; Gaz. vol. 187; p. 1006.
- Schneider, Heinrich. (See Kurrell, Schneider, and Bukowski.)
- Schneider, Heinrich, and T. Kurrell, Los Angeles, Cal. Aerial navigation. No. 1,054,989; Mar. 4; Gaz. vol. 188; p. 114.
- Schneider, Henry, Alden, Minn. Stone-gathering implement. No. 1,050,396; Jan. 14; Gaz. vol. 186; p. 400.
- Schneider, Hugo, Cleveland, Ohio. Thermostatic gas-burner. No. 1,060,136; Apr. 29; Gaz. vol. 189; p. 1096.
- Schneider, Hugo H., Seattle, Wash. Phonographic recorder. No. 1,050,238; Jan. 14; Gaz. vol. 186; p. 345.
- Schneider, Jacob, Philadelphia, Pa. Car-fender. No. 1,061,019; May 6; Gaz. vol. 190; p. 159.
- Schneider, John E., Cortez, Colo. Flume-gate. No. 1,062,364; May 20; Gaz. vol. 190; p. 689.
- Schneider, Lorenz, Jonesboro, Ark. Egg-beater. No. 1,054,797; Mar. 4; Gaz. vol. 188; p. 50.
- Schneider, Louis J., New York, N. Y. Support for curtains, draperies, and the like. No. 1,056,592; Mar. 18; Gaz. vol. 188; p. 726.
- Schneider, Philipp, St. Charles, Mo. Collapsible supporting-rack. No. 1,073,531; Sept. 16; Gaz. vol. 194; p. 710.
- Schneider, Ralph F., New York, assignor to C. J. Tagliabue, Brooklyn, N. Y. Casing for clinical thermometers. No. 1,058,199; Apr. 8; Gaz. vol. 189; p. 320.
- Schneider, Stefan, Oak Park, Ill. Ball-bearing. No. 1,061,636; May 13; Gaz. vol. 190; p. 405.
- Schnell, George M., Kellogg, Iowa. Tongue for farm implements. No. 1,073,781; Sept. 23; Gaz. vol. 194; p. 821.
- Schnell, Julius L., Arlington, N. J. Self-filling fountain-pen. No. 1,053,879; Feb. 18; Gaz. vol. 187; p. 771.
- Schnell, Julius L., Arlington, N. J. Self-filling fountain-pen. No. 1,060,137; Apr. 29; Gaz. vol. 189; p. 1096.
- Schnelle, Friedrich O., Frankfurt-on-the-Main, Germany. Electrical separator. No. 1,071,354; Aug. 26; Gaz. vol. 193; p. 876.
- Schnelle, Heinrich H. C. (See Rollwing, Georg, assignor.)
- Schneller, William A., Bethlehem, Pa. Non-refillable bottle. No. 1,066,056; July 1; Gaz. vol. 192; p. 54.
- Schnellsetzmaschinen-gesellschaft mit beschränkter Haftung. (See Drewell, Heinrich, assignor.)
- Schnetzler, Karl, assignor to Aktiengesellschaft Brown, Boveri & Cie., Baden, Switzerland. Driving of single-phase motors. No. 1,059,772; Apr. 22; Gaz. vol. 189; p. 933.
- Schnitzler, Oscar. (See Reuss and Schnitzler.)
- Schnoor, Peter J. A. (See Ewoldt, Henry, assignor.)
- Schnoor, Peter J. A. (See Geer, Lyle W., assignor.)
- Schnoor, Peter J. A., assignor of one-half to L. W. Geer, Holstein, Iowa. Door buffer and catch. No. 1,054,366; Feb. 25; Gaz. vol. 187; p. 975.
- Schnur, Mathias, Chicago, Ill. Safety device for elevators. No. 1,062,611; May 27; Gaz. vol. 190; p. 813.
- Schock, Frank J., assignor of one-half to F. A. Phillips, Cleveland, Ohio. Window-screen. No. 1,052,284; Feb. 4; Gaz. vol. 187; p. 151.
- Schock, Margaret C., Waukesha, Wis. Rapid flour-sifter. No. 1,075,946; Oct. 14; Gaz. vol. 195; p. 494.
- Schock, Thomas, Eugene, Oreg. Steam-shovel. No. 1,074,018; Sept. 23; Gaz. vol. 194; p. 900.
- Schodde, George W., assignor to F. J. Meyer, New York, N. Y. Flooring. No. 1,071,094; Aug. 26; Gaz. vol. 193; p. 788.
- Schodde, George W., assignor to F. J. Meyer, New York, N. Y. Water-escape or scupper. No. 1,078,700; Nov. 18; Gaz. vol. 196; p. 565.
- Schodly, Mathias. (See Fromm and Schodly.)
- Schoel, August. (See Baum and Schoel.)

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- Schoell, Reinhold, assignor to The Yale & Towne Manufacturing Company, Stamford, Conn. Transom. No. 1,067,146; July 8; Gaz. vol. 192; p. 459.
- Schoeller, Walter, and W. Schrauth, Berlin, assignors to Farbenfabriken vorm. Friedr. Bayer & Co., Elberfeld, Germany. Preserving wood. No. 1,076,322; Oct. 21; Gaz. vol. 195; p. 651.
- Schoellkopf, Jacob F., Dallas, Tex. Hame-tug. No. 1,071,468; Aug. 26; Gaz. vol. 193; p. 913.
- Schoellner, Paul. (See Priester and Schoellner.)
- Schoen, Chas. T. (See Rudolph, Charles, assignor.)
- Schoenborn, Adam J., Greenleaf, Kans. Wrench. No. 1,060,138; Apr. 29; Gaz. vol. 189; p. 1096.
- Schoenfeld, Charles, Canton, Ohio. Lock. No. 1,062,302; May 20; Gaz. vol. 190; p. 669.
- Schoenfeld, Morris, Rorschach, Switzerland. Tension device for embroidering-machines. No. 1,052,014; Feb. 4; Gaz. vol. 187; p. 58.
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- Schoenfeld, Morris, Rorschach, Switzerland. Machine for cutting embroidery. No. 1,071,959; Sept. 2; Gaz. vol. 194; p. 98.
- Schoenfeldt, Alfred, Brooklyn, assignor to C. Whitman & Co., New York, N. Y. Fabric. No. 1,060,368; Apr. 29; Gaz. vol. 189; p. 1178.
- Schoening, William L., New Millport, Pa. Combined planter and fertilizer-distributor. No. 1,074,749; Oct. 7; Gaz. vol. 195; p. 56.
- Schoenky, August R., Somerville, assignor to The Reece Shoe Machinery Company, Boston, Mass. Clicking-machine. No. 1,068,455; July 29; Gaz. vol. 192; p. 1014.
- Schoenky, August R., Somerville, assignor to The Reece Shoe Machinery Company, Boston, Mass. Sewing-machine. No. 1,071,355; Aug. 26; Gaz. vol. 193; p. 876.
- Schoenman, Charles B., Wilkensburg, Pa. Switch-jaw. No. 1,052,975; Feb. 11; Gaz. vol. 187; p. 419.
- Schoenmehl, Charles B., Waterbury, Conn. Primary battery. No. 1,055,560; Mar. 11; Gaz. vol. 188; p. 340.
- Schoenmehl, Charles B., Waterbury, Conn. Galvanic battery. No. 1,055,561; Mar. 11; Gaz. vol. 188; p. 340.
- Schoenmehl, Charles B., Waterbury, Conn. Primary battery. No. 1,055,562; Mar. 11; Gaz. vol. 188; p. 340.
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- Schoenthaler, George R., St. Louis, Mo. Chair for supporting reinforcing-bars in concrete. No. 1,058,908; Apr. 15; Gaz. vol. 189; p. 604.
- Schoeppl, Joseph F., deceased, Baltimore, Md.; J. T. Scheu, executor. Crate. No. 1,080,077; Dec. 2; Gaz. vol. 197; p. 56.
- Schoeppl, Joseph F., deceased, Baltimore, Md.; J. T. Scheu, executor. Toy. No. 1,080,078; Dec. 2; Gaz. vol. 197; p. 56.
- Schoettler, Gustav L., Ste. Genevieve, Mo. Paper-cutter. No. 1,059,572; Apr. 22; Gaz. vol. 189; p. 868.
- Schoettler, Gustav L., Ste. Genevieve, Mo. Sack-holder. No. 1,070,847; Aug. 19; Gaz. vol. 193; p. 672.
- Schofield, Charles A., and C. F. Miller, Washington, D. C. Smoke-consumer. No. 1,070,543; Aug. 19; Gaz. vol. 193; p. 573.
- Schofield, Eugene H., deceased, Atlanta, Ga.; R. H. Schofield, administrator, Cook county, Ill. Transmission-gearing. No. 1,071,804; Sept. 2; Gaz. vol. 194; p. 48.
- Schofield, Lee. (See Stott and Schofield.)
- Schofield, Ray H., administrator. (See Schofield, Eugene H.)
- Schol, Carl H., Allendorf, Germany. Making light bricks of blast-furnace slag. No. 1,068,396; July 22; Gaz. vol. 192; p. 954.
- Schol, Carl H., Allendorf, Germany. Manufacturing slag products. No. 1,076,657; Oct. 21; Gaz. vol. 195; p. 771.
- Scholl, Charles E. and J. S., Detroit, Mich. Brick-kiln. No. 1,081,335; Dec. 16; Gaz. vol. 197; p. 555.
- Scholl, John S. (See Scholl, Charles E. and J. S.)
- Scholl, William M., Chicago, Ill. Bunion-shield. No. 1,055,809; Mar. 11; Gaz. vol. 188; p. 425.
- Scholl, William M., Chicago, Ill. Toe-straightening device. No. 1,055,810; Mar. 11; Gaz. vol. 188; p. 425.
- Scholl, William M., Chicago, Ill. Bunion-shield. No. 1,055,811; Mar. 11; Gaz. vol. 188; p. 425.
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- Schollenberger, Edmund M., assignor of one-half to L. A. Stahl, Chicago, Ill. Attachment for telephone-transmitters. No. 1,072,513; Sept. 9; Gaz. vol. 194; p. 316.
- Schollhorn Company, The. (See Bernard, William A., assignor.)
- Scholz, Paul, Bergen, Norway. Opening device for sheet-metal cans. No. 1,078,311; Nov. 11; Gaz. vol. 196; p. 401.
- Scholz, Paul, Bergen, Norway. Opening device for cans, boxes, or the like. No. 1,081,939; Dec. 16; Gaz. vol. 197; p. 755.
- Schomer, John F., Victor, Colo. Concrete railway-tie. No. 1,081,702; Dec. 16; Gaz. vol. 197; p. 675.
- Schöndeling, Wilhelm. (See Brunner and Schöndeling.)
- Schönemann, Emil, and J. Räuchle, Pforzheim, Germany. Lock for neck-chains, bracelets, and the like. No. 1,082,140; Dec. 23; Gaz. vol. 197; p. 853.
- Schönthan, Hans von, Schöneberg, assignor to Vereinigte Chemische Werke Aktiengesellschaft, Charlottenburg, near Berlin, Germany. Dissociating fats, oils, and waxes. No. 1,058,633; Apr. 8; Gaz. vol. 189; p. 468.
- Schoonmaker, John R., Kalamazoo, Mich. Rake. No. 1,059,489; Apr. 22; Gaz. vol. 189; p. 841.
- Schoonover, Charles O., Los Angeles, Cal. Outlet connection for sinks. No. 1,049,611; Jan. 7; Gaz. vol. 186; p. 101.
- Schoonover, Lem H., Boise, Idaho. Resilient vehicle-wheel. No. 1,080,720; Dec. 9; Gaz. vol. 197; p. 309.
- Schoonover, William J., Des Moines, Iowa. Gearing device for washing-machines and wringers. No. 1,079,582; Nov. 25; Gaz. vol. 196; p. 900.
- Schoos, Jules, New Bedford, Mass. Clam-digger. No. 1,074,532; Sept. 30; Gaz. vol. 194; p. 1097.
- Schopke, John C. W., Lennox, S. D. Strainer. No. 1,081,469; Dec. 16; Gaz. vol. 197; p. 601.
- Schorik, Frank, and F. F. Marshall, Chicago, Ill. Automatic liquid-measuring device. No. 1,074,386; Sept. 30; Gaz. vol. 194; p. 1052.
- Schorr, Robert, San Francisco, Cal. Adjustable impact-atomizer. No. 1,076,708; Oct. 28; Gaz. vol. 195; p. 841.
- Schorr, Robert, assignor to Moore-Scott Iron Works, San Francisco, Cal. Adjustable liquid-atomizer. No. 1,073,936; Sept. 23; Gaz. vol. 194; p. 873.
- Schotsch, Mike, Youngstown, Ohio. Nut-lock. No. 1,075,226; Oct. 7; Gaz. vol. 195; p. 220.
- Schott, Friedrich, Heidelberg, Germany. Utilizing the waste gases of combustion from Portland cement, lime, and other kilns. No. 1,064,550; June 10; Gaz. vol. 191; p. 507.
- Schott, Joseph C., Chicora, Pa. Poultry-feeder. No. 1,058,796; Apr. 15; Gaz. vol. 189; p. 562.
- Schotte, Adolph E., Sharon, Pa. Rail-chair. No. 1,083,034; Dec. 30; Gaz. vol. 197; p. 1195.
- Schowalter, Edward J., Racine, Wis. Toy. No. 1,071,805; Sept. 2; Gaz. vol. 194; p. 48.
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- Schrade, John J., Waco, Tex. Refrigerating-machine. No. 1,075,126; Oct. 7; Gaz. vol. 195; p. 185.
- Schrader, Anton, Castrop, Post Rauxel, assignor of one-half to O. Lambert, Castrop, Germany. Door-key. No. 1,082,560; Dec. 30; Gaz. vol. 197; p. 1031.
- Schrader, Byron, White Earth, N. D. Wagon-jack. No. 1,079,802; Nov. 25; Gaz. vol. 196; p. 978.
- Schrader, Eduard F., St. Louis, Mo. Picture-exhibiting machine. No. 1,066,536; July 8; Gaz. vol. 192; p. 249.
- Schrader, Wolfgang, Berlin, Germany, assignor to A. L. de Bruyne, Hilversum, Netherlands. Portable railway-crane. No. 1,068,279; July 22; Gaz. vol. 192; p. 915.
- Schraeder, Frank J., Jr., Wheaton, Ill. Loading and unloading apparatus. No. 1,071,096; Aug. 26; Gaz. vol. 193; p. 789.
- Schrage, Hidde K., assignor to Allmänna Svenska Elektriska Aktiebolaget, Vesterås, Sweden. Commutator-motor. No. 1,079,994; Dec. 2; Gaz. vol. 197; p. 26.
- Schram, Louis, Chicago, Ill. Interlocking knockdown sectional bookcase. No. 1,055,666; Mar. 11; Gaz. vol. 188; p. 375.
- Schramm, Adolph F. (See Henderson and Schramm.)
- Schramm, Adolph W., Riverton, N. J., assignor to Electro Dental Manufacturing Company, Philadelphia, Pa. Valve. No. 1,054,457; Feb. 25; Gaz. vol. 187; p. 1006.
- Schramm, Adolph W., Riverton, N. J., assignor to Electro Dental Manufacturing Company, Philadelphia, Pa. Fuse. No. 1,054,717; Mar. 4; Gaz. vol. 188; p. 21.
- Schramm, Adolph W., Riverton, N. J., assignor to Electro Dental Manufacturing Company, Philadelphia, Pa. Diaphragm. No. 1,055,812; Mar. 11; Gaz. vol. 188; p. 426.
- Schramm, Adolph W., Riverton, N. J., and E. B. Wilford, Merion, assignors to Electro Dental Manufacturing Company, Philadelphia, Pa. Wrist-joint for dental engines. No. 1,070,188; Aug. 12; Gaz. vol. 193; p. 408.
- Schraut, Paul M. (See Rodden, Herbert T., assignor.)
- Schrauth, Walther. (See Schoeller and Schrauth.)
- Schreck, Adolph, assignor of one-third to J. F. Cleveland, Phoenix, Ariz. Safety cranking device for engines. No. 1,057,888; Apr. 1; Gaz. vol. 189; p. 169.
- Schreiber, John, St. Louis, Mo. Carbureter. No. 1,078,169; Nov. 11; Gaz. vol. 196; p. 350.

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- Schreiber, Philip J., Toledo, Ohio. Fountain-pen cap. No. 1,059,398; Apr. 22; Gaz. vol. 189; p. 808.
- Schreidt, Frank, Mansfield, Ohio. Packless valve. No. 1,054,623; Feb. 25; Gaz. vol. 187; p. 1062.
- Schreidt, Frank, Mansfield, Ohio. Fountain-brush. No. 1,082,288; Dec. 23; Gaz. vol. 197; p. 906.
- Schreiner, Albert, assignor of one-half to J. S. Dennis, Denver, Colo. Ladder. No. 1,051,275; Jan. 21; Gaz. vol. 186; p. 736.
- Schreiner, John, and F. Kurz, Rochester, assignors to Cluett, Peabody & Co., Troy, N. Y. Seam-dampener. No. 1,059,640; Apr. 22; Gaz. vol. 189; p. 888.
- Schrepler, Joseph, Washington, D. C. Means for conveying products, especially dry fish. No. 1,076,709; Oct. 28; Gaz. vol. 195; p. 842.
- Schrey, Franz, and O. Oesterreicher, Vienna, Austria-Hungary. Rotary brush. No. 1,050,489; Jan. 14; Gaz. vol. 186; p. 434.
- Schrey, Frederick, New Rochelle, N. Y. Hinge. No. 1,078,002; Nov. 11; Gaz. vol. 196; p. 292.
- Schrey, Robert W., assignor of one-half to A. S. Fairchild, Philadelphia, Pa. Loom. No. 1,072,877; Sept. 9; Gaz. vol. 194; p. 445.
- Schreyer, Firm of Fr. J. (See Pfel, Josef E., assignor.)
- Schrier, Adolph B., assignor of one-third to C. C. Williams and one-third to C. C. Lang, Pittsburgh, Pa. Bottle cap and stopper. No. 1,054,458; Feb. 25; Gaz. vol. 187; p. 1006.
- Schriever, August, Cossebaude, near Dresden, Germany. Apparatus for drying wet hair. No. 1,081,064; Dec. 9; Gaz. vol. 197; p. 426.
- Schriner, Charles F., Cleveland, Ohio. Faucet-attaching device. No. 1,055,234; Mar. 4; Gaz. vol. 188; p. 193.
- Schrock, Otto E., Cleveland, Ohio. Rotary pump and motor. No. 1,053,321; Feb. 18; Gaz. vol. 187; p. 582.
- Schröder, Aage. (See Schäffer and Schröder.)
- Schröder, Bernard A., Birmingham, Ala. Water-heater. No. 1,060,638; May 6; Gaz. vol. 190; p. 25.
- Schröder, Firm of Wilh. G. (See Schmidt, Eduard, assignor.)
- Schröder, Rudolf, Leipzig, Germany. Clothes-hanging hook. No. 1,065,175; June 17; Gaz. vol. 191; p. 747.
- Schroeder, Anthony J., Donaldsonville, La. Power-transmitting mechanism. No. 1,081,868; Dec. 16; Gaz. vol. 197; p. 733.
- Schroeder, Christian M. E., Rutherford, N. J., assignor to The Titanium Alloy Manufacturing Company, New York, N. Y. Treating materials with solutions of titanous salts. No. 1,080,721; Dec. 9; Gaz. vol. 197; p. 309.
- Schroeder, Eberhard, Volmarstein, Germany. Lock. No. 1,061,571; May 13; Gaz. vol. 190; p. 383.
- Schroeder, George, Pittsburgh, Pa. Piano-bridge. No. 1,064,017; June 10; Gaz. vol. 191; p. 325.
- Schroeder, Josef. (See Stumpf and Schroeder.)
- Schroeder, Max, Berlin, and H. Reinhard, Oberhausen, Germany. Regenerator or hot-blast stove. No. 1,062,122; May 20; Gaz. vol. 190; p. 608.
- Schroeder, Peter, Mishicot, Wis. Lock-nut. No. 1,076,396; Oct. 21; Gaz. vol. 195; p. 677.
- Schroeder, Peter, Two Rivers, Wis. Safety lamp-burner. No. 1,083,220; Dec. 30; Gaz. vol. 197; p. 1252.
- Schroeder, William S., Chicago, Ill., assignor to The National Malleable Castings Company, Cleveland, Ohio. Car-coupling. No. 1,052,383; Feb. 4; Gaz. vol. 187; p. 183.
- Schroedter, Paul, Berlin, Germany. Inverted incandescent gas-burner. No. 1,070,544; Aug. 19; Gaz. vol. 193; p. 573.
- Schroer, Heinrich, Dusseldorf, Germany, assignor to C. Gossweiler, Olten, Switzerland. Liquid for cleaning glass. No. 1,077,860; Nov. 4; Gaz. vol. 196; p. 212.
- Schroeter, George H., St. Louis, Mo. Combined cigar cutter and lighter. No. 1,079,027; Nov. 18; Gaz. vol. 196; p. 681.
- Schroeter, Hugo O. (See Pride and Schroeter.)
- Schroyer, Charles A. (See Giessel and Schroyer.)
- Schroyer, Harry H., Chicago, Ill., assignor to The Acme Supply Company. Curtain-fixture. No. 1,051,641; Jan. 28; Gaz. vol. 186; p. 893.
- Schroyer, Harry H., Chicago, Ill., assignor to The Acme Supply Company. Vestibule-diaphragm. No. 1,056,127; Mar. 18; Gaz. vol. 188; p. 566.
- Schroyer, Harry H., Chicago, Ill., assignor to The Acme Supply Company. Sectional vestibule-diaphragm. No. 1,060,639; May 6; Gaz. vol. 190; p. 26.
- Schroyer, Harry H., Chicago, Ill., assignor to The Acme Supply Company. Ladder for cars. No. 1,062,191; May 20; Gaz. vol. 190; p. 631.
- Schroyer, Harry H., Chicago, Ill., assignor to The Acme Supply Company. Diaphragm-hood. No. 1,063,607; June 3; Gaz. vol. 191; p. 151.
- Schroyer, Harry H., Chicago, Ill., assignor to The Acme Supply Company. Car-vestibule diaphragm. No. 1,082,241; Dec. 23; Gaz. vol. 197; p. 888.
- Schroyer, James A., and J. E. Thorp, Ira, Iowa. Safety-book. No. 1,071,806; Sept. 2; Gaz. vol. 194; p. 49.
- Schroyer, Martin, Brownsville, Pa. Tie-plate and rail-fastener. No. 1,074,472; Sept. 30; Gaz. vol. 194; p. 1080.
- Schrumn, Ralph S., Tarentum, Pa. Automatic feeding mechanism for tinning apparatus. No. 1,064,780; June 17; Gaz. vol. 191; p. 621.
- Schrumn, Ralph S., assignor of one-third to C. Blehl and one-third to G. W. Battles, Tarentum, Pa. Feeding mechanism for tinning-machines. No. 1,064,781; June 17; Gaz. vol. 191; p. 621.
- Schruth, Albert. (See Schruth, Edward, A., and J.)
- Schruth, Edward, A., and J., Pepin, Wis. Neck-yoke. No. 1,077,645; Nov. 4; Gaz. vol. 196; p. 140.
- Schruth, John. (See Schruth, Edward, A., and J.)
- Schubert, Frederick, Sellersville, Pa. Pressure-alarm gage. No. 1,074,137; Sept. 30; Gaz. vol. 194; p. 969.
- Schubert, George, Oneida, N. Y. Rub-iron for vehicles. No. 1,074,213; Sept. 30; Gaz. vol. 194; p. 994.
- Schubert, Hermann J., Hackensack, N. J. Construction of building-walls. No. 1,056,948; Mar. 25; Gaz. vol. 188; p. 878.
- Schubert, Martin, assignor of one-third to S. Lindy, Chicago, Ill. Ball-bearing. No. 1,067,943; July 22; Gaz. vol. 192; p. 799.
- Schubert Piano Company, The. (See Duffy, Peter, assignor.)
- Schuchart, Paul A., Portland, Oreg. Drinking-spout attachment for faucets. No. 1,067,443; July 15; Gaz. vol. 192; p. 597.
- Schückher, Albert. (See Brázda, Richter, and Schückher.)
- Schuele, George G., and E. E. Ilgenfritz, Cleveland, Ohio. Vacuum-cleaner. No. 1,053,653; Feb. 18; Gaz. vol. 187; p. 695.
- Schuermann, Anton C. (See Mueller and Schuermann.)
- Schuermann, Anton C., assignor to H. Mueller Mfg. Co., Decatur, Ill. Slip-joint-coupling nut. No. 1,063,926; June 3; Gaz. vol. 191; p. 259.
- Schuermann, Anton C., assignor to H. Mueller Mfg. Co., Decatur, Ill. Means for anchoring nipples. No. 1,080,519; Dec. 2; Gaz. vol. 197; p. 210.
- Schuermann, Anton C., assignor to H. Mueller Mfg. Co., Decatur, Ill. No-slip flange. No. 1,080,520; Dec. 2; Gaz. vol. 197; p. 210.
- Schuett, George F., Bellingham, Minn. Leveling attachment for separators. No. 1,056,128; Mar. 18; Gaz. vol. 188; p. 567.
- Schuetz, Godfrey L., Rochester, N. Y. Furnace. No. 1,069,983; Aug. 12; Gaz. vol. 193; p. 337.
- Schuetz, Herman C., Newark, N. J., assignor to Chas. Keller & Co., New York, N. Y. Gem-setting. No. 1,079,924; Nov. 25; Gaz. vol. 196; p. 1021.
- Schuey, Claude R., Cartersville, Ill. Overshoe holder or clamp. No. 1,079,149; Nov. 18; Gaz. vol. 196; p. 722.
- Schuffenhauer, Arthur E., South Chicago, Ill. Apparatus for constructing arches. No. 1,076,240; Oct. 21; Gaz. vol. 195; p. 621.
- Schugart, John S., Warren, Pa. Wrench. No. 1,064,551; June 10; Gaz. vol. 191; p. 507.
- Schuh, Charles F., Tuckahoe, N. Y. Fountain sponge-holder. No. 1,052,016; Feb. 4; Gaz. vol. 187; p. 59.
- Schuh, Charles F., Newark, N. J., assignor of one-half to R. J. Wilkie, Saugus, Mass. Electric battery. No. 1,061,572; May 13; Gaz. vol. 190; p. 384.
- Schuh, Charles F., Newark, N. J., assignor of one-half to R. J. Wilkie, Saugus, Mass. Stopper for hot-water bottles. No. 1,080,659; Dec. 9; Gaz. vol. 197; p. 288.
- Schuh, Edward L., Colby, Wis. Runner attachment for automobiles. No. 1,056,063; Mar. 18; Gaz. vol. 188; p. 544.
- Schuh, Frank, Albany, assignor of one-half to J. R. Williams, New York, N. Y. Float-valve. No. 1,064,386; June 10; Gaz. vol. 191; p. 450.
- Schuh, Henry J., executor. (See Habbert, Nixdorf, and Rupscheidt.)
- Schühle, John, Highland, N. Y. Receptacle. No. 1,064,173; June 10; Gaz. vol. 191; p. 378.
- Schuirman, John G., Kent, assignor of one-half to C. L. Santee, Renton, Wash. Electrothermostatic regulator. No. 1,074,215; Sept. 30; Gaz. vol. 194; p. 995.
- Schuirman, John G., Kent, assignor of one-half to C. L. Santee, Renton, Wash. Electrically-heated pad and the like. No. 1,074,216; Sept. 30; Gaz. vol. 194; p. 995.
- Schuler, David, assignor to The Spirella Company, Meadville, Pa. Device for inserting ribbon in embroidery. No. 1,051,521; Jan. 28; Gaz. vol. 186; p. 854.
- Schuler, David, assignor to The Spirella Company, Meadville, Pa. Garment-stay. (Reissue.) No. 13,604; Aug. 12; Gaz. vol. 193; p. 476.
- Schuler, David, Niagara Falls, Ontario, Canada, assignor to The Spirella Company. Garment-stay. No. 1,053,540; Feb. 18; Gaz. vol. 187; p. 657.
- Schuler, David, Kerntown, assignor to The Spirella Company, Meadville, Pa. Garment-stay. No. 1,074,214; Sept. 30; Gaz. vol. 194; p. 994.
- Schuler, David, Kerntown, assignor to The Spirella Company, Meadville, Pa. Tip for garment-stays. No. 1,075,731; Oct. 14; Gaz. vol. 195; p. 421.
- Schuler, David, Kerntown, assignor to The Spirella Company, Meadville, Pa. Garment-stay. No. 1,082,176; Dec. 23; Gaz. vol. 197; p. 864.
- Schuler, Robert, New York, N. Y., assignor, by mesne assignments, to The Gibraltar Stone Company. Water-proof cement and making. No. 1,081,155; Dec. 9; Gaz. vol. 197; p. 456.

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- Schulhoff, Saul, Philadelphia, Pa. Projection apparatus. No. 1,070,992; Aug. 19; Gaz. vol. 193; p. 719.
- Schüller, Gustav A., Venusberg/Erzgebirge, Germany. Device for spraying liquid into air. No. 1,080,594; Dec. 9; Gaz. vol. 197; p. 267.
- Schulman, Joseph. (See Schulman, Louis and J.)
- Schulman, Louis and J., New York, N. Y., assignors to The Ensign-Bickford Company, Simsbury, Conn. Machine for making fuses. No. 1,079,367; Nov. 25; Gaz. vol. 196; p. 825.
- Schulte, August J., Tacoma, Wash. Chuck mechanism for spindle-turning machines. No. 1,061,411; May 13; Gaz. vol. 190; p. 326.
- Schulte, Edward D. N., Troy, N. Y., assignor to W. & L. E. Gurley. Support. No. 1,060,861; May 6; Gaz. vol. 190; p. 103.
- Schulte, Henry P., Wheaton, Ill., assignor to W. Snyder and C. A. Dollinger. Hook. No. 1,062,365; May 20; Gaz. vol. 190; p. 690.
- Schulte, Karl, Woodwardville, Md. Plow attachment. No. 1,074,898; Oct. 7; Gaz. vol. 195; p. 105.
- Schulte, Louis, assignor to Bennett-O'Connell Co., Chicago, Ill. Electroplating device. No. 1,077,646; Nov. 4; Gaz. vol. 196; p. 140.
- Schulte, William H., Trenton, N. J. Float-valve. No. 1,059,490; Apr. 22; Gaz. vol. 189; p. 841.
- Schultheiss, Franz, Charlottenburg, Germany, assignor to General Electric Company. Leakage-reducing device. No. 1,076,457; Oct. 21; Gaz. vol. 195; p. 699.
- Schulthess, Walter, Paris, France. Slaking lime. No. 1,067,686; July 15; Gaz. vol. 192; p. 680.
- Schultis, Charles F., Cleveland, Ohio. Collet for lathes and other machines. No. 1,076,710; Oct. 28; Gaz. vol. 195; p. 842.
- Schultz, August, San Diego, Cal. Railway-switch. No. 1,065,002; June 17; Gaz. vol. 191; p. 692.
- Schultz, Carl J., assignor to The National Malleable Castings Company, Cleveland, Ohio. Radial-draft gear. No. 1,055,667; Mar. 11; Gaz. vol. 188; p. 375.
- Schultz, Clarence F., assignor to The Schultz Underwear Company, Reading, Pa. Undergarment. No. 1,073,782; Sept. 23; Gaz. vol. 194; p. 821.
- Schultz, Ferdinand H., Treynor, Iowa. Stock-feeding device. No. 1,080,931; Dec. 9; Gaz. vol. 197; p. 384.
- Schultz, Frank L., and A. Kanieski, Hibbing, Minn. Safety lathe-dog. No. 1,066,760; July 8; Gaz. vol. 192; p. 330.
- Schultz, George E., assignor to F. A. Sayles, Providence, R. I. Craping fabrics. No. 1,076,608; Oct. 21; Gaz. vol. 195; p. 753.
- Schultz, Heinrich A. J., Hamburg, Germany. Game. No. 1,063,472; June 3; Gaz. vol. 191; p. 102.
- Schultz, Herman, Parkersburg, Iowa. Seed-sprouter. No. 1,063,742; June 3; Gaz. vol. 191; p. 198.
- Schultz, Herman, Parkersburg, Iowa. Poultry-feeder. No. 1,071,097; Aug. 26; Gaz. vol. 193; p. 790.
- Schultz, Herman E., Jr., and F. Wetteroth, assignors to Zittlosen Manufacturing Company, St. Louis, Mo. Umbrella construction. No. 1,060,712; May 6; Gaz. vol. 190; p. 52.
- Schultz, John A., Jr., Newark, assignor to New York Bottlers' Supplies Mfg. Co., Hoboken, N. J. Siphon-head. No. 1,059,912; Apr. 22; Gaz. vol. 189; p. 977.
- Schultz, John A., Jr., Newark, assignor to New York Bottlers' Supplies Mfg. Co., Hoboken, N. J. Siphon-head. No. 1,064,092; June 10; Gaz. vol. 191; p. 350.
- Schultz, John A., Jr., Newark, assignor to New York Bottlers' Supplies Mfg. Co., Hoboken, N. J. Apparatus for filling siphon-bottles. No. 1,073,366; Sept. 16; Gaz. vol. 194; p. 655.
- Schultz, Robert A., Maple Grove, Wis. Milk-agitator. No. 1,082,100; Dec. 23; Gaz. vol. 197; p. 840.
- Schultz Underwear Company, The. (See Heacock, Benjamin L., assignor.)
- Schultz Underwear Company, The. (See Schultz, Clarence F., assignor.)
- Schultz, Wilhelm, Stendal, Germany. Hoe. No. 1,072,657; Sept. 9; Gaz. vol. 194; p. 366.
- Schultz, William P., *et al.* (See Smay, Joseph B., Jr., assignor.)
- Schultze, Gustav F. W., Oakland, Cal. Annunciating means for cash-registers. No. 1,075,443; Oct. 14; Gaz. vol. 195; p. 323.
- Schulz, Augusta, Westfield, N. J., assignor of one-sixth to L. Schaffert and one-sixth to W. Fricke, Brooklyn, N. Y. Sanitary belt and pad. No. 1,067,761; July 15; Gaz. vol. 192; p. 704.
- Schulz, Karl K., Chicago, Ill. Water-motor. No. 1,059,079; Apr. 15; Gaz. vol. 189; p. 663.
- Schulz, Max, Oldenburg, Germany. Temperature-controller. No. 1,078,752; Nov. 18; Gaz. vol. 196; p. 583.
- Schulz, Otto C., assignor to Bauer & Black, Chicago, Ill. Plaster-of-Paris-bandage package. No. 1,070,923; Aug. 19; Gaz. vol. 193; p. 696.
- Schulz, Otto C., assignor to Bauer & Black, Chicago, Ill. Means for opening cartons and the like. No. 1,080,932; Dec. 9; Gaz. vol. 197; p. 385.
- Schulz, Theodore, Jersey City, N. J. Window. No. 1,073,638; Sept. 23; Gaz. vol. 194; p. 770.
- Schulz, Walter F., Corona, N. Y. Carbureter. No. 1,067,623; July 15; Gaz. vol. 192; p. 658.
- Schulz, Walter F., Brooklyn, N. Y. Carbureter. No. 1,069,817; Aug. 12; Gaz. vol. 193; p. 281.
- Schulz, William C. (See Guenther and Schulz.)
- Schulze, Andrew, Washington, D. C. Loading and unloading device. No. 1,052,096; Feb. 4; Gaz. vol. 187; p. 87.
- Schulze, Gustav F., Vandalia, Mo. Vehicle-apron. No. 1,068,938; July 29; Gaz. vol. 192; p. 1183.
- Schulze, Otto, Strassburg, Germany, and E. Seignol, Paris, France. Distance-recorder for automobiles and other vehicles. No. 1,058,910; Apr. 15; Gaz. vol. 189; p. 605.
- Schulze, William C., Chicago, Ill. Abdominal exerciser. No. 1,064,093; June 10; Gaz. vol. 191; p. 350.
- Schulze, William C., Chicago, Ill. Abdominal exerciser. No. 1,070,924; Aug. 19; Gaz. vol. 193; p. 697.
- Schum, Herman, New York, N. Y. Apparatus for playing base-ball. No. 1,073,783; Sept. 23; Gaz. vol. 194; p. 821.
- Schumacher, Conrad R. (See Klein, James J., assignor.)
- Schumacher, Emil F. (See Ballard and Schumacher.)
- Schumacher, John, Chicago, Ill., assignor to J. Sanders. Blank for talking-machine records. No. 1,082,709; Dec. 30; Gaz. vol. 197; p. 1084.
- Schumaker, Carl H., Guthrie, Okla., and J. W. Hulme, Arkansas City, Kans. Automatic safety appliance for railway-cars. No. 1,059,399; Apr. 22; Gaz. vol. 189; p. 808.
- Schuman, Alexander C. (See Schuman, George E. and A. C.)
- Schuman Company, The. (See Sharpe, Joseph K., Jr., assignor.)
- Schuman, George E. and A. C., Louisville, Ky. Registering-machine. No. 1,072,658; Sept. 9; Gaz. vol. 194; p. 366.
- Schumann, Herman A., Boonville, Mo. Fruit-picker. No. 1,056,221; Mar. 18; Gaz. vol. 188; p. 598.
- Schumann Piano Company. (See Anderson, Alfred, assignor.)
- Schunck, Jacob. (See Totten, Thomas E., assignor.)
- Schunck & Ogg. (See Coates, Robert, assignor.)
- Schupp, Albert. (See Muh and Schupp.)
- Schuppener, Heinrich, Voelklingen-on-the-Saar, Germany. Metallic core or reinforce for castings. No. 1,065,733; June 24; Gaz. vol. 191; p. 975.
- Schuppli, Paul, Grabnerhof, near Admont, Austria-Hungary. Cattle-fastener. No. 1,077,647; Nov. 4; Gaz. vol. 196; p. 140.
- Schur, Ernest H., Hibbing, Minn. Dumping-car. No. 1,066,156; July 1; Gaz. vol. 192; p. 88.
- Schur, Ernest H., assignor of one-fourth to M. Keller and one-fourth to B. Keller, Hibbing, Minn. Cushion-wheel. No. 1,081,628; Dec. 16; Gaz. vol. 197; p. 651.
- Schur, Chris, Chattanooga, Tenn. Threshing-machine. No. 1,082,913; Dec. 30; Gaz. vol. 197; p. 1156.
- Schureman, Jacob L., Chicago, Ill., assignor, by mesne assignments, to The Cutler-Hammer Mfg. Co., Milwaukee, Wis. Electrical interlocking mechanism. No. 1,071,807; Sept. 2; Gaz. vol. 194; p. 49.
- Schürmann, Eduard, Koetzschenbroda, near Dresden, Germany. Tobacco-delivery apparatus for cigarette-machines. No. 1,073,937; Sept. 23; Gaz. vol. 194; p. 873.
- Schürmann, Richard, assignor to Fried. Krupp Aktien-gesellschaft, Essen-on-the-Ruhr, Germany. Sighting device for guns. No. 1,079,884; Nov. 25; Gaz. vol. 196; p. 1005.
- Schürmann, Walter, Dusseldorf, Germany. Speed-indicator. No. 1,073,443; Sept. 16; Gaz. vol. 194; p. 681.
- Schurr, Cleo F., St. George, Kans. Gate. No. 1,078,003; Nov. 11; Gaz. vol. 196; p. 293.
- Schurs, John, Los Angeles, Cal. Oil-burner. No. 1,075,947; Oct. 14; Gaz. vol. 195; p. 494.
- Schuster, Carl, Bellevue, and C. N. Bergmann, Pittsburgh, Pa., assignors of one-half to said Schuster and one-half to said Bergmann. Conductor-post for electrical distribution. No. 1,082,772; Dec. 30; Gaz. vol. 197; p. 1107.
- Schuster, Ernst, Berlin, Germany. Calculating-machine. No. 1,069,481; Aug. 5; Gaz. vol. 193; p. 138.
- Schuster, Frank B., assignor, by mesne assignments, to Sanitary Dairy Machine Company, Inc., Buffalo, N. Y. Bottle-capping machine. No. 1,060,948; May 6; Gaz. vol. 190; p. 133.
- Schutt, Guy A. (See Duffield, Cloyce D., assignor.)
- Schutt, Theodore H. (See Champ and Schutt.)
- Schutt, Theodore H., assignor to The Bishop-Babcock-Becker Company, Cleveland, Ohio. Radiator-valve. No. 1,076,159; Oct. 21; Gaz. vol. 195; p. 594.
- Schütte, Johann, Danzig, Germany. Dirigible balloon. No. 1,072,514; Sept. 9; Gaz. vol. 194; p. 316.
- Schutte & Koerting Company. (See Knauf, Paul W., assignor.)
- Schutz, Joseph M., Chicago, Ill. Bottle-cooler. No. 1,068,824; July 29; Gaz. vol. 192; p. 1144.
- Schuyler, Percival R., Paterson, N. J. Pipe-coupling. No. 1,059,319; Apr. 15; Gaz. vol. 189; p. 744.
- Schwab, Isaac M. (See Poulton, Ross E., assignor.)

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- Schwab, Martin C., Chicago, Ill., assignor to Gravity Conveyor Company. Deflector for gravity-conveyers. No. 1,069,036; July 29; Gaz. vol. 192; p. 1215.
- Schwab, Martin C., Chicago, Ill., assignor to Gravity Conveyor Company. Deflector for gravity-conveyers. No. 1,072,175; Sept. 2; Gaz. vol. 194; p. 173.
- Schwab, Martin C., Chicago, Ill., assignor to Gravity Conveyor Company. Combined tray-conveyer and spiral chute. No. 1,074,387; Sept. 30; Gaz. vol. 194; p. 1052.
- Schwab, Rudolph J., Milwaukee, Wis. Molding-machine. No. 1,071,098; Aug. 26; Gaz. vol. 193; p. 790.
- Schwab, William, Sacramento, Cal. Danger-signal. No. 1,065,176; June 17; Gaz. vol. 191; p. 747.
- Schwab, William J., Chicago, Ill. Rail-fastening. No. 1,076,790; Oct. 28; Gaz. vol. 195; p. 870.
- Schwab, William R., assignor to The Cameragraph Company, Kansas City, Mo. Feeding and measuring device. No. 1,053,068; Feb. 11; Gaz. vol. 187; p. 450.
- Schwab, William R., assignor to The Cameragraph Company, Kansas City, Mo. Copy-holder for photographic apparatus. No. 1,070,848; Aug. 19; Gaz. vol. 193; p. 673.
- Schwabe, Georg, Bielitz, Austria-Hungary. Change box-motion for power-looms. No. 1,076,791; Oct. 28; Gaz. vol. 195; p. 870.
- Schwabe, Rudolf, assignor to Farbwerke vorm. Meister Lucius & Brüning, Höchst-on-the-Main, Germany. Derivatives of phenylcinchoninic acid. No. 1,069,296; Aug. 5; Gaz. vol. 193; p. 73.
- Schwabe, Rudolf, assignor to Farbwerke vorm. Meister Lucius & Brüning, Höchst-on-the-Main, Germany. Hexamethylenetetramin salts of the α -phenylquinolin-7-carboxylic acids. No. 1,076,160; Oct. 21; Gaz. vol. 195; p. 595.
- Schwabenland, August. (See Metzler, Conrad, assignor.)
- Schwahn, Heinrich F. D., Belleville, Ill. Preparing aluminum sulfate. No. 1,077,309; Nov. 4; Gaz. vol. 196; p. 23.
- Schwahn, Heinrich F. D., Belleville, Ill., assignor to W. Somerville, St. Louis, Mo. Motor-driven rotary earth-working-tool. No. 1,076,241; Oct. 21; Gaz. vol. 195; p. 622.
- Schwahn, William E., Eau Claire, Wis. Harness. No. 1,071,589; Aug. 26; Gaz. vol. 193; p. 953.
- Schwalen, John N., Hudson, Wis. Railway-tie. No. 1,065,846; June 24; Gaz. vol. 191; p. 1013.
- Schwalen, John N., Hudson, Wis. Rail-fastener. No. 1,065,847; June 24; Gaz. vol. 191; p. 1013.
- Schwarting, August C., assignor to Reis- & Handels-Aktiengesellschaft, Bremen, Germany. Linoleum, lincrusta, or like material. No. 1,079,728; Nov. 25; Gaz. vol. 196; p. 951.
- Schwartz, Adolph. (See Smart, Turence P., assignor.)
- Schwartz, Alfred J. C., Chicago, Ill. Grating device. No. 1,078,558; Nov. 11; Gaz. vol. 196; p. 483.
- Schwartz, Andrew G. L., Pittsburgh, Pa. Ironing-board and stand. No. 1,083,146; Dec. 30; Gaz. vol. 197; p. 1230.
- Schwartz, Edward, assignor to Wm. E. Slaughter Co., Chicago, Ill. Electrically-heated comb. No. 1,052,097; Feb. 4; Gaz. vol. 187; p. 88.
- Schwartz, Edward, assignor to Pelouze Manufacturing Co., Chicago, Ill. Electrically-heated liquid-receptacle. No. 1,054,318; Feb. 25; Gaz. vol. 187; p. 957.
- Schwartz, George A., and A. C. Babcock, assignors of one-third to J. M. Dudley, Bessemer, Ala. Lid-operating device for cabinets or the like. No. 1,065,734; June 24; Gaz. vol. 191; p. 975.
- Schwartz, Jacob C., St. Louis, Mo. Device for shaping gold crowns to teeth. No. 1,052,850; Feb. 11; Gaz. vol. 187; p. 375.
- Schwartz, Louis H., *et al.* (See Robertson, George L., assignor.)
- Schwartz, Louis S., assignor to T. Rubovits, Chicago, Ill. Toy bank. No. 1,077,165; Oct. 28; Gaz. vol. 195; p. 995.
- Schwartz, Max, assignor to The Hagerstown Legging Company, Hagerstown, Md. Spring-heel shoe. No. 1,056,372; Mar. 18; Gaz. vol. 188; p. 647.
- Schwartz, Morris, assignor of one-half to J. H. Krause, Chicago, Ill. Electric-lamp socket. No. 1,079,028; Nov. 18; Gaz. vol. 196; p. 681.
- Schwartz, T. Kesler, *et al.* (See Robertson, George L., assignor.)
- Schwartz, Walter M., assignor to The Philadelphia Textile Machinery Company, Philadelphia, Pa. Fabric-drier. No. 1,055,235; Mar. 4; Gaz. vol. 188; p. 193.
- Schwartz, Walter M., and H. Coulston, assignors to The Philadelphia Textile Machinery Company, Philadelphia, Pa. Conveying means. No. 1,054,459; Feb. 25; Gaz. vol. 187; p. 1007.
- Schwartz, Walter M., and H. Coulston, assignors to The Philadelphia Textile Machinery Company, Philadelphia, Pa. Machine for drying hosiery. No. 1,062,510; May 20; Gaz. vol. 190; p. 737.
- Schwartz, Wilhelm, assignor to Fried. Krupp Aktiengesellschaft, Essen-on-the-Ruhr, Germany. Fuse-setting device. No. 1,079,885; Nov. 25; Gaz. vol. 196; p. 1005.
- Schwartz, Wilhelm, assignor to Fried. Krupp Aktiengesellschaft, Essen-on-the-Ruhr, Germany. Fuse-setting machine. No. 1,079,886; Nov. 25; Gaz. vol. 196; p. 1006.
- Schwartz, William E., West Burlington, Iowa. Knife-sharpener. No. 1,059,491; Apr. 22; Gaz. vol. 189; p. 842.
- Schwartzberg, Alter L., Shreveport, La. Fan attachment. No. 1,055,947; Mar. 11; Gaz. vol. 188; p. 470.
- Schwartzberg, Morris, Chicago, Ill. Telephone-receiver stand. No. 1,074,648; Oct. 7; Gaz. vol. 195; p. 21.
- Schwarz, August E. (See Schwarz, Emil and A. E.)
- Schwarz, Charles. (See Tappenden and Schwarz.)
- Schwarz, Charles L., Philadelphia, Pa. Wheel-tire. No. 1,070,189; Aug. 12; Gaz. vol. 193; p. 409.
- Schwarz, Charles L., Philadelphia, Pa. Vehicle-wheel. No. 1,072,515; Sept. 9; Gaz. vol. 194; p. 316.
- Schwarz, Charles L., Philadelphia, Pa. Wheel-tire. No. 1,074,899; Oct. 7; Gaz. vol. 195; p. 106.
- Schwarz, Elmer H., New York, N. Y., assignor to Westinghouse Electric and Manufacturing Company. System of distribution. No. 1,082,561; Dec. 30; Gaz. vol. 197; p. 1031.
- Schwarz, Emil and A. E., Tacoma, Wash. Electric-light bracket. No. 1,060,950; May 6; Gaz. vol. 190; p. 134.
- Schwarz, Ernst. (See Lüttringhaus, Diesbach, and Schwarz.)
- Schwarz, Karl W., Little Rock, Ark. Combined table and map-rack. No. 1,050,700; Jan. 14; Gaz. vol. 186; p. 503.
- Schwarz, Otto C., New Chicago, Ind. Building-blocks for toy castles. No. 1,061,637; May 13; Gaz. vol. 190; p. 405.
- Schwarz, Otto C., Chicago, Ill. Card frame or mount. No. 1,076,161; Oct. 21; Gaz. vol. 195; p. 595.
- Schwarz, Reinhold, New York, N. Y. Roller-skate. No. 1,050,490; Jan. 14; Gaz. vol. 186; p. 435.
- Schwarz, Walter, Dortmund, Germany. Gas-purifying apparatus. No. 1,076,458; Oct. 21; Gaz. vol. 195; p. 699.
- Schwarz, William L. (See Long and Schwarz.)
- Schwarze, Carl J., Adrian, Mich. Electrically-operated sound-producer. No. 1,050,239; Jan. 14; Gaz. vol. 186; p. 345.
- Schwarzfischer, John A., Pocasset, Okla. Draft-equalizer. No. 1,079,887; Nov. 25; Gaz. vol. 196; p. 1007.
- Schwarzlose, Andreas W., Charlottenburg, Germany. Toggle-joint breech mechanism. No. 1,070,633; Aug. 19; Gaz. vol. 193; p. 601.
- Schwarzlose, Andreas W., Charlottenburg, Germany. Breech mechanism for machine-guns. No. 1,072,997; Sept. 9; Gaz. vol. 194; p. 489.
- Schwarzlose, Andreas W., Charlottenburg, Germany. Breech mechanism. No. 1,077,166; Oct. 28; Gaz. vol. 195; p. 996.
- Schwarzschild, Monroe M. (See Steiner, Albin, assignor.)
- Schwebel, William C. (See Polnisch, Paul, assignor.)
- Schweda, Karl, Centralia, Ill. Screen for beds and cribs. No. 1,056,712; Mar. 18; Gaz. vol. 188; p. 766.
- Schwedler, Gustave H., Kansas City, Mo. Conduit-fitting for electrical conduits. No. 1,066,329; July 1; Gaz. vol. 192; p. 150.
- Schwegler, Otto. (See Flick, George T., assignor.)
- Schweiger, William J., New York, N. Y. Chain. No. 1,058,797; Apr. 15; Gaz. vol. 189; p. 562.
- Schweigert, Albert. (See Hausner and Schweigert.)
- Schweikert, Gustav, Vienna, Austria-Hungary. Revivifying or restoring permuit. No. 1,054,460; Feb. 25; Gaz. vol. 187; p. 1007.
- Schweikert, William, Brooklyn, N. Y. Building structure. No. 1,053,231; Feb. 18; Gaz. vol. 187; p. 550.
- Schweinert, Maximilian C., West Hoboken, N. J., and H. P. Kraft, assignors, by mesne assignments, to A. Schrader's Son, Incorporated, New York, N. Y. Tire-valve. No. 1,050,491; Jan. 14; Gaz. vol. 186; p. 435.
- Schweinert, Maximilian C., West Hoboken, N. J., and H. P. Kraft, assignors, by mesne assignments, to A. Schrader's Son, Incorporated, New York, N. Y. Water-bottle stopper. No. 1,076,162; Oct. 21; Gaz. vol. 195; p. 595.
- Schweinert, Maximilian C., West Hoboken, N. J., and H. P. Kraft, New York, N. Y. Water-bag fixture. No. 1,050,492; Jan. 14; Gaz. vol. 186; p. 436.
- Schweinfurter Präzisions-Kugel-Lager-Werke Fichtel & Sachs. (See Winkler, Franz, assignor.)
- Schweitzer, Edmund O., and N. J. Conrad, Chicago, Ill. Automatic high-voltage circuit-breaker. No. 1,050,493; Jan. 14; Gaz. vol. 186; p. 436.
- Schweitzer, Hugo. (See Desamari, Günther, Schweitzer, and Zart.)
- Schweitzer, Hugo, and A. Zart, assignors, to Farbenfabriken vorm. Friedr. Bayer & Co., Elberfeld, Germany. Polyazo dyes. (Reissue.) No. 13,550; Apr. 1; Gaz. vol. 189; p. 217.
- Schweitzer, William, and H. H. Labadie, Chicago, Ill. Sample-case having link-connected trays. No. 1,081,629; Dec. 16; Gaz. vol. 197; p. 651.
- Schweitzer, William, and H. H. Labadie, Chicago, Ill. Sample-carrying case. No. 1,082,976; Dec. 30; Gaz. vol. 197; p. 1177.

Alphabetical list of patentees—Continued.

- Schwemberger, Albert, New Albany, Ind. Interfering-boot for horses. No. 1,065,397; June 24; Gaz. vol. 191; p. 861.
- Schwemlein, Harry C., assignor of one-half to D. B. Bryan, deceased, and one-half to W. Schwemlein, Cincinnati, Ohio; M. B. Bryan, administratrix, Fayette county, Ky. Folding door. No. 1,069,733; Aug. 12; Gaz. vol. 193; p. 251.
- Schwemlein, William, *et al.* (See Schwemlein, Harry C., assignor.)
- Schwenck, Frederick W., Cincinnati, Ohio. Bottle-closure. No. 1,060,369; Apr. 29; Gaz. vol. 189; p. 1179.
- Schwendemann, John M., Douglas, Okla. Automatic mail-carrier. No. 1,081,409; Dec. 16; Gaz. vol. 197; p. 580.
- Schwene, William, deceased, Ogden; C. H. Jones, administrator, assignor, by mesne assignments, to Wagner Manufacturing Company, Cedar Falls, Iowa. Sheet-metal wheel. No. 1,071,099; Aug. 26; Gaz. vol. 193; p. 790.
- Schwenk, Ladislaus W. (See Piotrowski and Kilinski, assignors.)
- Schwer, Adolph, Buffalo, N. Y. Phonograph. No. 1,058,911; Apr. 15; Gaz. vol. 189; p. 605.
- Schwerdtle, Henry G. (See Reifsnyder and Schwerdtle.)
- Schwerin, Botho, assignor to Gesellschaft für Electro-Osmose m. b. H., Frankfurt-on-the-Main, Germany. Article for electrolytical purposes. No. 1,050,303; Jan. 14; Gaz. vol. 186; p. 368.
- Schwerin, Botho, assignor to Gesellschaft für Elektro-Osmose m. b. H., Frankfurt-on-the-Main, Germany. Magnetic separation of ores out of slimes. No. 1,063,893; June 3; Gaz. vol. 191; p. 247.
- Schwertner, Joseph, Ottoville, Ohio. Folding car-step. No. 1,064,094; June 10; Gaz. vol. 191; p. 351.
- Schwertner, Joseph, New York, N. Y., assignor to Heerwagen Company. Automatic playing apparatus. (Re-issue.) No. 1,3536; Feb. 25; Gaz. vol. 187; p. 1076.
- Schwertner, Joseph, New York, N. Y., assignor to Heerwagen Company. Valve structure. No. 1,060,030; Apr. 29; Gaz. vol. 189; p. 1061.
- Schwertner, Joseph, New York, N. Y., assignor to Heerwagen Company. Controlling apparatus for automatic pianos and the like. No. 1,060,031; Apr. 29; Gaz. vol. 189; p. 1062.
- Schwertner, Joseph, New York, N. Y., assignor to Heerwagen Company. Control device for automatic playing instruments. No. 1,060,032; Apr. 29; Gaz. vol. 189; p. 1062.
- Schwertner, Joseph, New York, N. Y., assignor to Heerwagen Company. Automatic piano-player. No. 1,077,167; Oct. 28; Gaz. vol. 195; p. 996.
- Schwertner, Joseph, New York, N. Y., assignor to Heerwagen Company. Automatic playing instrument. No. 1,080,595; Dec. 9; Gaz. vol. 197; p. 267.
- Schwertner, Joseph, New York, N. Y., assignor to Heerwagen Company. Musical instrument. No. 1,081,703; Dec. 16; Gaz. vol. 197; p. 675.
- Schwertner, Joseph, New York, N. Y., assignor to Heerwagen Company. Organ-coupler. No. 1,082,655; Dec. 30; Gaz. vol. 197; p. 1064.
- Schwery, Joseph F., assignor of forty-nine one-hundredths to F. Flower, Waukegan, Ill. Unbuttoning device. No. 1,074,649; Oct. 7; Gaz. vol. 195; p. 22.
- Schweser, Edward, Paterson, N. J. Loom. No. 1,065,555; June 24; Gaz. vol. 191; p. 915.
- Schwesinger, Rudolph, Plentywood, Mont. Mud-lug for traction-wheels. No. 1,066,956; July 8; Gaz. vol. 192; p. 395.
- Schweter, Erich, Golutwin, Russia. Valve-gear. No. 1,061,130; May 6; Gaz. vol. 190; p. 196.
- Schweter, Erich, Golutwin, Russia. Shaft-governor. No. 1,082,242; Dec. 23; Gaz. vol. 197; p. 889.
- Schwieger, Adolf, Hanover, Germany. Lock. No. 1,071,266; Aug. 26; Gaz. vol. 193; p. 846.
- Schwitzer & Haltenberger. (See Schwitzer, Louis, assignor.)
- Schwitzer, Louis, assignor, by mesne assignments, to Lyons Atlas Company, Indianapolis, Ind. Oiling system. No. 1,055,668; Mar. 11; Gaz. vol. 188; p. 376.
- Schwitzer, Louis, assignor, by mesne assignments, to Lyons Atlas Company, Indianapolis, Ind. Engine. No. 1,064,095; June 10; Gaz. vol. 191; p. 351.
- Schwitzer, Louis, assignor to Schwitzer & Haltenberger, Indianapolis, Ind. Starter for internal-combustion engines. No. 1,069,818; Aug. 12; Gaz. vol. 193; p. 281.
- Schwizer, Jonas L., Linderhurst, N. Y. Embroidering-machine. No. 1,056,841; Mar. 25; Gaz. vol. 188; p. 839.
- Schwoerer, John W., Cincinnati, Ohio. Portable washing and rinsing machine. No. 1,054,990; Mar. 4; Gaz. vol. 188; p. 114.
- Schylander, John F., Chicago, Ill. Plume-holder or the like. No. 1,057,586; Apr. 1; Gaz. vol. 189; p. 64.
- Scientific Materials Company. (See Fisher, Edwin H., assignor.)
- Scifres, Simon B., Hawesville, Ky. Shears or scissors. No. 1,052,976; Feb. 11; Gaz. vol. 187; p. 419.
- Scofield, Edwin L., San Diego, Cal. Printer's drying-rack. No. 1,069,193; Aug. 5; Gaz. vol. 193; p. 37.
- Scognamillo, Salvatore, New York, N. Y. Tire. No. 1,061,927; May 13; Gaz. vol. 190; p. 499.
- Scognamillo, Salvatore, assignor to The Salvini Electrical Horn Manufacturing Company, New York, N. Y. Alarm or signaling apparatus. No. 1,068,939; July 29; Gaz. vol. 192; p. 1184.
- Scoles, Peter J. (See Schlerding, William, assignor.)
- Scott, Louis E., New York, N. Y. Convertible collar. No. 1,051,019; Jan. 21; Gaz. vol. 186; p. 651.
- Scoop Folding Box Company. (See Dreux, Alexander H., assignor.)
- Scorcelletti, Wladimir. (See Papa-Fedoroff and Scorcelletti.)
- Scott, Alexander A., Knoxville, Tenn. Apparatus for treating brick. No. 1,054,040; Feb. 25; Gaz. vol. 187; p. 863.
- Scott, Alexander A., Knoxville, Tenn. Treating brick. No. 1,054,041; Feb. 25; Gaz. vol. 187; p. 864.
- Scott, Alfred, assignor of one-half to G. Beddages, Princeton, N. J. Vehicle-wheel. No. 1,060,505; Apr. 29; Gaz. vol. 189; p. 1226.
- Scott, Allen E., San Francisco, Cal. Comb. No. 1,055,948; Mar. 11; Gaz. vol. 188; p. 470.
- Scott, Archibald D., assignor to Varley Duplex Magnet Company, Jersey City, N. J. Wire-stretching device. No. 1,064,936; June 17; Gaz. vol. 191; p. 670.
- Scott, Archibald D., Providence, R. I., assignor to Varley Duplex Magnet Company. Winding-machine. No. 1,068,825; July 29; Gaz. vol. 192; p. 1144.
- Scott, Arthur, assignor to The Cleveland Pneumatic Tool Company, Cleveland, Ohio. End-spindle air-drill. No. 1,052,521; Feb. 11; Gaz. vol. 187; p. 264.
- Scott, Bateman D. and W. E., and W. W. Peet, Gloucester, England. Valve-gear for revolving-cylinder internal-combustion motors. No. 1,058,472; Apr. 8; Gaz. vol. 189; p. 415.
- Scott, Burton W., Detroit, Mich., assignor, by mesne assignments, to Eli Lilly & Company, Indianapolis, Ind. Apparatus for the manufacture of capsules. No. 1,076,459; Oct. 21; Gaz. vol. 195; p. 699.
- Scott, Campbell. (See Deats and Scott.)
- Scott, Campbell, and W. Deats, Yonkers, N. Y. Impregnating. No. 1,053,880; Feb. 18; Gaz. vol. 187; p. 771.
- Scott, Campbell, and W. Deats, Yonkers, N. Y. Composition of matter. No. 1,053,881; Feb. 18; Gaz. vol. 187; p. 772.
- Scott, Charles D., Topeka, Kans., assignor to P. E. Ginn, Winchester, Mass. Feeder for automatic weighing-machines. No. 1,060,792; May 6; Gaz. vol. 190; p. 77.
- Scott, Charles H., Brooklyn, N. Y. Dress-pad. No. 1,071,808; Sept. 2; Gaz. vol. 194; p. 49.
- Scott, Charles M., San Angelo, Tex. Air-pump. No. 1,059,222; Apr. 15; Gaz. vol. 189; p. 711.
- Scott, Charles S., Cadiz, Ohio. Open-bellied pneumatic-tire shoe. No. 1,067,844; July 22; Gaz. vol. 192; p. 766.
- Scott, David J., *et al.*, executors. (See Scott, Walter.)
- Scott, David J., *et al.*, executors. (See Scott, David J. and W. C., assignors.)
- Scott, David J., Plainfield, N. J. Folding and stitching machine. No. 1,064,387; June 10; Gaz. vol. 191; p. 451.
- Scott, David J., and W. C. Scott, deceased, assignors to I. and D. J. Scott, executors, Plainfield, N. J. Rotary intaglio-printing machine. No. 1,078,219; Nov. 11; Gaz. vol. 196; p. 367.
- Scott, Don J., New Britain, Conn. Tool-handle. No. 1,075,732; Oct. 14; Gaz. vol. 195; p. 421.
- Scott Drill Company. (See Scott, Lewis L., assignor.)
- Scott, Dudley H., Cleveland, Ohio. Making and maintaining ice in skating-rinks. No. 1,053,443; Feb. 18; Gaz. vol. 187; p. 624.
- Scott, Earl R., Lueders, Tex. Insect-exterminator. No. 1,054,870; Mar. 4; Gaz. vol. 188; p. 75.
- Scott Electrical Company. (See Scott, Ralph, assignor.)
- Scott, Elijah A. (See Plocher and Scott.)
- Scott, Erskine L., Grandview, W. Va. Latch. No. 1,074,750; Oct. 7; Gaz. vol. 195; p. 57.
- Scott, Ferd T. (See Benson and Scott.)
- Scott, Fred S. (See Bartindale and Scott.)
- Scott, Frederick C., Hornby Island, British Columbia, Canada. Sight for firearms. No. 1,051,164; Jan. 21; Gaz. vol. 186; p. 701.
- Scott, George, Amsterdam, N. Y. Cloth-cutting machine. No. 1,061,782; May 13; Gaz. vol. 190; p. 453.
- Scott, George V. (See Sharood, Samuel V., assignor.)
- Scott, George W. (See Stone and Scott.)
- Scott, George W., Chicago, Ill., assignor to American Car and Foundry Company, St. Louis, Mo. Cast end frame. No. 1,078,312; Nov. 11; Gaz. vol. 196; p. 401.
- Scott, Henry, Leon, assignor of one-half to J. E. Vail, Garden Grove, Iowa. Animal-trap. No. 1,059,006; Apr. 15; Gaz. vol. 189; p. 638.
- Scott, Ira L., Kingman, Kans. Tire-shrinker. No. 1,079,803; Nov. 25; Gaz. vol. 196; p. 979.
- Scott, Isaac, Washington, D. C., assignor to E. S. Kellogg, Helena, Mont. Music-leaf turner. No. 1,068,397; July 22; Gaz. vol. 192; p. 955.
- Scott, Isabella, *et al.*, executors. (See Scott, David J. and W. C., assignors.)
- Scott, Isabella, *et al.*, executors. (See Scott, Walter.)
- Scott, Jacob D., Toms Creek, Va. Automatic fluid-pipe coupling. No. 1,059,223; Apr. 15; Gaz. vol. 189; p. 711.

Alphabetical list of patentees—Continued.

- Scott, Jacob R., North Weymouth, Mass., assignor to United Shoe Machinery Company, Paterson, N. J. Sewing-machine. No. 1,049,612; Jan. 7; Gaz. vol. 186; p. 101.
- Scott, Jacob R., Boston, Mass., assignor to United Shoe Machinery Company, Jersey City, N. J. Shoe-sewing machine. No. 1,050,568; Jan. 14; Gaz. vol. 186; p. 461.
- Scott, James. (See Behner and Scott.)
- Scott, James A., West Somerville, Mass. Knockdown box. No. 1,079,668; Nov. 25; Gaz. vol. 196; p. 929.
- Scott, James A., Natick, Mass., assignor to Dennison Manufacturing Company. Easel. No. 1,053,112; Feb. 11; Gaz. vol. 187; p. 466.
- Scott, James H., San Diego, Cal. Ironing-table. No. 1,078,882; Nov. 18; Gaz. vol. 196; p. 629.
- Scott, James W., Dexter, Me. Pressure-plate for automatic feeds. No. 1,054,718; Mar. 4; Gaz. vol. 188; p. 21.
- Scott, James W., Allendale, Mich. Railway-joint. No. 1,058,473; Apr. 8; Gaz. vol. 189; p. 415.
- Scott, Jason A., Altoona, Ala. Governor mechanism for spring-motors. No. 1,054,991; Mar. 4; Gaz. vol. 188; p. 115.
- Scott, Jesse B., Kansas City, Kans., assignor to The Ad-Pencil Company, Kansas City, Mo. Pencil-printing machine. No. 1,080,722; Dec. 9; Gaz. vol. 197; p. 309.
- Scott, John, Milwaukee, Wis. Gas-fixture attachment. No. 1,055,422; Mar. 11; Gaz. vol. 188; p. 295.
- Scott, John, and N. B. McGrath, Southington, Conn. Spirit-level. No. 1,061,638; May 13; Gaz. vol. 190; p. 406.
- Scott, John E., Marblehead, Mass., assignor to United Shoe Machinery Company, Paterson, N. J. Upper-pulling apparatus. No. 1,049,539; Jan. 7; Gaz. vol. 186; p. 76.
- Scott, John W. (See McSorley and Scott.)
- Scott, John W., Caledonia, N. Y. Non-refillable bottle. No. 1,053,882; Feb. 18; Gaz. vol. 187; p. 772.
- Scott, Joseph. (See Clark, Alfred C., assignor.)
- Scott, Lewis L., assignor to Scott Drill Company, St. Louis, Mo. Internal-combustion percussive engine. No. 1,058,268; Apr. 8; Gaz. vol. 189; p. 344.
- Scott, Norman B., Third *et al.* (See Jones, Albert M., assignor.)
- Scott Paper Company. (See Liebeck, Harry, assignor.)
- Scott, Ralph, Wilkes-Barre, Pa., assignor, by mesne assignments, to Scott Electrical Company, New York, N. Y. Arc-lamp. No. 1,055,361; Mar. 11; Gaz. vol. 188; p. 275.
- Scott, Ralph, Newark, N. J., assignor, by mesne assignments, to Scott Electrical Company, New York, N. Y. Arc-lamp. No. 1,062,857; May 27; Gaz. vol. 190; p. 893.
- Scott, Reece L., Oakland, Cal. Launching device. No. 1,069,905; Aug. 12; Gaz. vol. 193; p. 311.
- Scott, Robert F., assignor to Edwin Harrington, Son & Co., Inc., Philadelphia, Pa. Bolt-turning machine. No. 1,074,138; Sept. 30; Gaz. vol. 194; p. 969.
- Scott, Robert H. (See Briggs and Scott.)
- Scott, Robert P., Cadiz, Ohio. Machine for hulling peas, beans, and the like. No. 1,072,176; Sept. 2; Gaz. vol. 194; p. 173.
- Scott, Robert P., Cadiz, Ohio. Demountable rim for pneumatic tires. No. 1,075,501; Oct. 14; Gaz. vol. 195; p. 342.
- Scott, Robert P., Cadiz, Ohio. Green-pea-vine-hulling machine. No. 1,082,609; Dec. 30; Gaz. vol. 197; p. 1049.
- Scott, Robert W., Philadelphia, Pa., assignor to Scott & Williams, Incorporated, Camden, N. J. Making widened knitted webs. No. 1,056,593; Mar. 18; Gaz. vol. 188; p. 726.
- Scott, Robert W., Leeds Point, assignor to Scott & Williams, Incorporated, Camden, N. J. Needle for knitting-machines. No. 1,062,366; May 20; Gaz. vol. 190; p. 690.
- Scott, Robert W., Leeds Point, assignor to Scott and Williams, Incorporated, Camden, N. J. Ribbed knitted web and making same. No. 1,062,367; May 20; Gaz. vol. 190; p. 690.
- Scott, Robert W., Leeds Point, assignor to Scott & Williams, Incorporated, Camden, N. J. Knitting-machine. No. 1,063,743; June 3; Gaz. vol. 191; p. 199.
- Scott, Robert W., Leeds Point, assignor to Scott & Williams, Incorporated, Camden, N. J. Ribbed knitted fabric. No. 1,070,190; Aug. 12; Gaz. vol. 193; p. 409.
- Scott, Robert W., Leeds Point, assignor to Scott & Williams, Incorporated, Camden, N. J. Hosiery. No. 1,075,864; Oct. 14; Gaz. vol. 195; p. 465.
- Scott, Robert W., Leeds Point, assignor to Scott & Williams, Incorporated, Camden, N. J. Welted knitted web. No. 1,081,778; Dec. 16; Gaz. vol. 197; p. 702.
- Scott, Robert W., Leeds Point, assignor to Scott & Williams, Incorporated, Camden, N. J. Knitted web and making same. No. 1,081,779; Dec. 16; Gaz. vol. 197; p. 702.
- Scott, Robert W., Boston, Mass., assignor to Scott & Williams, Incorporated, Camden, N. J. Rib-knitting machine. No. 1,070,191; Aug. 12; Gaz. vol. 193; p. 409.
- Scott, Robert W., Boston, Mass., assignor to Scott & Williams, Incorporated, Camden, N. J. Stocking or sock and knitting the same. No. 1,071,100; Aug. 26; Gaz. vol. 193; p. 791.
- Scott, Robert W., Boston, Mass., assignor to Scott & Williams, Incorporated, Camden, N. J. Knit fabric having a welt and making the same. No. 1,074,019; Sept. 23; Gaz. vol. 194; p. 901.
- Scott, Robert W., Boston, Mass., assignor to Scott & Williams, Incorporated, Camden, N. J. Stocking or sock and knitting the same. No. 1,079,267; Nov. 18; Gaz. vol. 196; p. 760.
- Scott, Robert W., Boston, Mass., assignor to Scott & Williams, Incorporated, Camden, N. J. Welted garment and making the same. No. 1,079,268; Nov. 18; Gaz. vol. 196; p. 760.
- Scott, S. Walter, Troy, N. Y. Pneumatic wheel. No. 1,073,177; Sept. 16; Gaz. vol. 194; p. 587.
- Scott, Stephen M., Edna, Tex. Feed-delivering attachment for silos. No. 1,068,176; July 22; Gaz. vol. 192; p. 878.
- Scott, Thomas F., Everett, Mass. Shock-absorber. No. 1,067,444; July 15; Gaz. vol. 192; p. 597.
- Scott, Thomas S. (See Skinner and Scott.)
- Scott, Thomas S., Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Commutator for dynamo-electric machines. No. 1,075,502; Oct. 14; Gaz. vol. 195; p. 343.
- Scott, Walter, Cottage Grove, Oreg. Rotary engine. No. 1,056,949; Mar. 25; Gaz. vol. 188; p. 878.
- Scott, Walter, deceased, Plainfield, N. J.; I. and D. J. Scott, executors. Printing-machine. No. 1,058,017; Apr. 1; Gaz. vol. 189; p. 213.
- Scott, Walter, deceased, Plainfield, N. J.; I. and D. J. Scott, executors. Printing-machine. No. 1,060,949; May 6; Gaz. vol. 190; p. 134.
- Scott, Walter, deceased, Plainfield, N. J.; I. and D. J. Scott, executors. Multicouple multirevolution printing-machine. No. 1,065,276; June 17; Gaz. vol. 191; p. 781.
- Scott, Walter, deceased, Plainfield, N. J.; I. and D. J. Scott, executors. Printing-press. No. 1,079,368; Nov. 25; Gaz. vol. 196; p. 826.
- Scott, Walter, Snake River, Wash. Combined leveling device and drive-gear. No. 1,072,043; Sept. 2; Gaz. vol. 194; p. 128.
- Scott, Walter A., trustee. (See Burke, Abraham L., assignor.)
- Scott, Walter A., Duluth, Minn. Treating durum or macaroni wheat. No. 1,071,184; Aug. 26; Gaz. vol. 193; p. 819.
- Scott, Walter C. (See Scott, David J. and W. C.)
- Scott, Walter R., assignor to J. H. Bromley, Philadelphia, Pa. Jacquard connection for weaving mechanisms. No. 1,076,523; Oct. 21; Gaz. vol. 195; p. 722.
- Scott, Walter R., assignor to J. H. Bromley, Philadelphia, Pa. Jacquard connection. No. 1,076,524; Oct. 21; Gaz. vol. 195; p. 722.
- Scott, Wilfred E. (See Scott and Peet.)
- Scott, William, Central Nyack, N. Y. Non-refillable bottle. No. 1,069,482; Aug. 5; Gaz. vol. 193; p. 139.
- Scott, William D., Springwells, Mich. Aeroplane. No. 1,058,634; Apr. 8; Gaz. vol. 189; p. 468.
- Scott, William H., Jr., assignor to Susquehanna Silk Mills, New York, N. Y. Making neckties. No. 1,057,285; Mar. 25; Gaz. vol. 188; p. 993.
- Scott, William M., Berwyn, Pa. Electric-switch control. No. 1,058,200; Apr. 8; Gaz. vol. 189; p. 321.
- Scott, William M., Philadelphia, Pa., assignor to The Cutter Electrical and Manufacturing Company. Electrical switch. No. 1,064,096; June 10; Gaz. vol. 191; p. 352.
- Scott, William P., *et al.* (See Baughn and Wright, assignors.)
- Scott & Williams. (See Scott, Robert W., assignor.)
- Scott & Williams. (See Swinglehurst, Harry, assignor.)
- Scott, Wynn W., Racine, Wis. Vehicle top-fastening. No. 1,072,044; Sept. 2; Gaz. vol. 194; p. 128.
- Scotten, Samuel C., trustee. (See Clausen and Curtis, assignors.)
- Scovill, James P., Wyoming, Ohio, assignor to Trojan Machine Company, Troy, N. Y. Tobacco-leaf-stemming machine. No. 1,067,147; July 8; Gaz. vol. 192; p. 459.
- Scovill, James P., Wyoming, Ohio, assignor to Trojan Machine Company, Troy, N. Y. Tobacco-leaf-stemming machine. No. 1,067,148; July 8; Gaz. vol. 192; p. 460.
- Scovill, James P., Cincinnati, Ohio, assignor to Trojan Machine Company, Troy, N. Y. Tobacco-leaf-stemming machine. No. 1,067,149; July 8; Gaz. vol. 192; p. 460.
- Scovill Manufacturing Company. (See Colina, William, assignor.)
- Scovill Manufacturing Company. (See Munger, Dudley H., assignor.)
- Scovill Manufacturing Company. (See Reutter, Frederick, assignor.)
- Scovill Manufacturing Company. (See Robinson, Patrick H., assignor.)

Alphabetical list of patentees—Continued.

- Scovill Manufacturing Company. (See Simons, Ernest D., assignor.)
- Scovill Manufacturing Company. (See Stanley, Frederick E., assignor.)
- Scranton Acetylene Lamp Co., The. (See Evans, Llewellyn M., assignor.)
- Scranton, Robert A., New York, N. Y., assignor, by mesne assignments, to The Imperial Sewing Machine Company. Needle-threading attachment for sewing-machines. No. 1,059,641; Apr. 22; Gaz. vol. 189; p. 889.
- Scranton, Robert A., New York, N. Y., assignor, by mesne assignments, to The Imperial Sewing Machine Company. Button-sewing attachment for sewing-machines. No. 1,059,642; Apr. 22; Gaz. vol. 189; p. 889.
- Scranton, Robert A., New York, N. Y., assignor, by mesne assignments, to The Imperial Sewing Machine Company. Clutch mechanism for sewing-machines. No. 1,074,650; Oct. 7; Gaz. vol. 195; p. 22.
- Scribner, Charles E., Jericho, Vt., assignor to Western Electric Company, New York, N. Y. Telephone-transmitter. No. 1,050,304; Jan. 14; Gaz. vol. 189; p. 368.
- Scribner, Charles E., Jericho, Vt., assignor to Western Electric Company, New York, N. Y. Telegraph-transmitter. No. 1,075,503; Oct. 14; Gaz. vol. 195; p. 343.
- Scribner, Charles E., Jericho, Vt., assignor to Western Electric Company, New York, N. Y. Telegraph-transmitter. No. 1,075,504; Oct. 14; Gaz. vol. 195; p. 343.
- Scribner, Charles E., Jericho, Vt., and A. H. Adams, Sparkill, assignors to Western Electric Company, New York, N. Y. Selecting apparatus. No. 1,056,064; Mar. 18; Gaz. vol. 188; p. 544.
- Scribner, Charles E., Jericho, Vt., J. L. McQuarrie, Montclair, and E. B. Craft, Hackensack, N. J., assignors to Western Electric Company, New York, N. Y. System of selective control. No. 1,071,588; Aug. 26; Gaz. vol. 193; p. 952.
- Scribner, William A., Minneapolis, Minn. Self-watering flower-pot. No. 1,063,395; June 3; Gaz. vol. 191; p. 77.
- Scroggins, James L., assignor of one-half to A. S. Waldrop, Sherman, Tex. Compound tool. No. 1,056,594; Mar. 18; Gaz. vol. 188; p. 727.
- Scroggins, Robert H., Fairfax, Va. Street-sweeping machine. No. 1,060,506; Apr. 29; Gaz. vol. 189; p. 1226.
- Scruggs, Loyd, assignor to Copper Clad Malleable Range Company, St. Louis, Mo. Combined draft-door and grate-bar cover. No. 1,062,739; May 27; Gaz. vol. 190; p. 853.
- Scruggs, Loyd, assignor to Copper Clad Malleable Range Company, St. Louis, Mo. Water-reservoir for ranges. No. 1,063,944; June 3; Gaz. vol. 191; p. 265.
- Scruggs, Loyd, assignor to Copper Clad Malleable Range Company, St. Louis, Mo. Concealed-hinge stove-door. No. 1,064,388; June 10; Gaz. vol. 191; p. 451.
- Scruggs, Loyd, assignor to Copper Clad Malleable Range Company, St. Louis, Mo. Device for closing stove-doors. No. 1,065,003; June 17; Gaz. vol. 191; p. 692.
- Scudder, Charles, Seattle, Wash., assignor to Scudder-Haas Manufacturing Co. Receptacle. No. 1,065,398; June 24; Gaz. vol. 191; p. 861.
- Scudder-Haas Manufacturing Co. (See Scudder, Charles, assignor.)
- Scullin-Gallagher Iron & Steel Company. (See Knight, Sherwood S., assignor.)
- Scullin, Terance, and S. R. Skov, Cleveland, Ohio. Means for operating car-doors. No. 1,071,469; Aug. 26; Gaz. vol. 193; p. 913.
- Scully, Bartholomew, and A. E. Rigby, Winnipeg, Manitoba, Canada. Bank-retainer for culverts. No. 1,069,650; Aug. 5; Gaz. vol. 193; p. 192.
- Seaberg, Frederick, assignor, by mesne assignments, to National Dump Car Company, Chicago, Ill. Dump-car. No. 1,050,240; Jan. 14; Gaz. vol. 186; p. 346.
- Seaberg, Frederick, assignor, by mesne assignments, to National Dump Car Company, Chicago, Ill. Dump-car. No. 1,055,423; Mar. 11; Gaz. vol. 188; p. 295.
- Seaberg, Nils P., Boston, Mass. Picture-frame-supporting means. No. 1,053,113; Feb. 11; Gaz. vol. 187; p. 467.
- Seaberg, Nils P., Boston, Mass. Picture-frame construction. No. 1,053,114; Feb. 11; Gaz. vol. 187; p. 467.
- Seabrook, Bagster R., Toronto, Ontario, Canada, assignor to The Seabrook-Box Differential Railway Axle Company, Los Angeles, Cal. Differential railway-axle. No. 1,072,045; Sept. 2; Gaz. vol. 194; p. 128.
- Seabrook-Box Differential Railway Axle Company, The. (See Seabrook, Bagster R., assignor.)
- Seabrook, Frederick W., Fulham, London, England. Lock for vehicle and other lamps. No. 1,078,559; Nov. 11; Gaz. vol. 196; p. 483.
- Seacombe, Benjamin, Pendleton, near Manchester, assignor to Thompson & Capper, Manchester, England. Magneto-electric massaging-machine. No. 1,055,236; Mar. 4; Gaz. vol. 188; p. 194.
- Seacombe, James F. (See Hodgkinson, James, assignor.)
- Seadler, James, Sacramento, Cal. Resilient wheel. No. 1,051,276; Jan. 21; Gaz. vol. 186; p. 736.
- Seadler, James, Sacramento, Cal. Cushion-tire for vehicles. No. 1,081,518; Dec. 16; Gaz. vol. 197; p. 618.
- Seagrave Company, The. (See Kieser, Charles F., assignor.)
- Seagrave, Marshal C., Oakland, Cal. Concentrating-jig. No. 1,079,905; Nov. 25; Gaz. vol. 196; p. 1014.
- Seale, Daniel T., Florala, Ala. Axle. No. 1,060,507; Apr. 29; Gaz. vol. 189; p. 1226.
- Seale, Daniel T., Florala, Ala. Axle. No. 1,060,508; Apr. 29; Gaz. vol. 189; p. 1227.
- Seale, Jefferson W., Mineral Wells, Tex. Wrench. No. 1,060,862; May 6; Gaz. vol. 190; p. 104.
- Sealy, George. (See Boddeker and Stratford, assignors.)
- Seaman, Albert J. (See Butler, Reynolds, and Seaman.)
- Seaman, Charles W., and W. J. Cresswell, Frackville, Pa. Measuring instrument. No. 1,070,925; Aug. 19; Gaz. vol. 193; p. 697.
- Seaman, George Q., New York, N. Y. Speed-gearing. No. 1,052,977; Feb. 11; Gaz. vol. 187; p. 419.
- Seaman, George W., assignor to The Aultman & Taylor Machinery Company, Mansfield, Ohio. Bearing. No. 1,050,177; Jan. 14; Gaz. vol. 186; p. 325.
- Seaman, Joseph S., Jr., Pittsburgh, Pa. Manufacture of rolls. No. 1,071,809; Sept. 2; Gaz. vol. 194; p. 49.
- Seaman, Joseph S., Jr., Pittsburgh, Pa. Roll. No. 1,071,810; Sept. 2; Gaz. vol. 194; p. 50.
- Seamans, Merritt G., Atlanta, Ga. Lining for milk-bottles. No. 1,061,131; May 6; Gaz. vol. 190; p. 196.
- Seamon, Percy R., assignor, by mesne assignments, to Automatic Lighting Company, Boston, Mass. Automatic gas lighter and extinguisher. No. 1,054,461; Feb. 25; Gaz. vol. 187; p. 1007.
- Seamon, Percy R., assignor, by mesne assignments, to Automatic Lighting Company, Boston, Mass. Automatic gas-lighting apparatus. No. 1,054,719; Mar. 4; Gaz. vol. 188; p. 22.
- Seamon, Percy R., Boston, Mass., assignor of fifty-one one-hundredths to G. R. Hussey and nineteen one-hundredths to H. R. Wheeler, Providence, R. I. Mirror-support. No. 1,063,220; June 3; Gaz. vol. 191; p. 18.
- Sequist, Carl R., Sister Bay, Wis. Vessel. No. 1,075,160; Oct. 7; Gaz. vol. 195; p. 196.
- Searchlight Gas Company. (See James, Joseph H., assignor.)
- Searcy, Oscar W., assignor of one-half to C. S. Banks, Manila, Philippine Islands. Revolving ventilator. No. 1,076,609; Oct. 21; Gaz. vol. 195; p. 753.
- Seargeant, O. F., *et al.* (See De Hymel, Franklin O., assignor.)
- Searight, John W. (See Allen, Friend A., assignor.)
- Searle, Elbert H., Springfield, Mass. Air-rifle. No. 1,063,072; May 27; Gaz. vol. 190; p. 964.
- Searle, Elbert H., Springfield, Mass. Magazine air-rifle. No. 1,065,556; June 24; Gaz. vol. 191; p. 915.
- Searles, Orren I., Joplin, Mo. Music-leaf turner. No. 1,071,470; Aug. 26; Gaz. vol. 193; p. 913.
- Searles, Wayne S., assignor to Universal Optical Corporation, Providence, R. I. Finger-piece mounting for eye-glasses. No. 1,068,940; July 29; Gaz. vol. 192; p. 1184.
- Searls, John C., Smiths Creek, Mich. Cement-block mold. No. 1,063,293; June 3; Gaz. vol. 191; p. 42.
- Sears, Frank E., *et al.* (See West, Owen A., assignor.)
- Sears, Frederick D., and A. O. Sodergren, Minneapolis, Minn. Portable picture-gallery. No. 1,082,914; Dec. 30; Gaz. vol. 197; p. 1156.
- Sears, Roebuck and Co. (See Richards, Ernst R., assignor.)
- Sears, Roebuck & Company. (See Christensen, Carl, assignor.)
- Sears, Roebuck & Company. (See Fowler, Gordon F., assignor.)
- Sears, Roebuck & Company. (See Olson, John, assignor.)
- Sears, Roebuck and Company. (See Waring, Stewart, assignor.)
- Sears, Roebuck and Company. (See Zuber, John G., assignor.)
- Sears, Willard T., assignor to Pratt & Whitney Company, Hartford, Conn. Radial drill. No. 1,071,590; Aug. 26; Gaz. vol. 193; p. 953.
- Sears, Willard T., Hartford, Conn., assignor of one-half to J. V. W. Reynders, Steelton, Pa. Means for operating punch-gags. No. 1,074,900; Oct. 7; Gaz. vol. 195; p. 106.
- Sears, Willard T., Hamilton, Ohio, assignor to Pratt & Whitney Company, Hartford, Conn. Radial drill. No. 1,076,242; Oct. 21; Gaz. vol. 195; p. 622.
- Seaser, Warren H., assignor of one-third to F. L. Noble, Fresno, Cal. Illuminated number-plate for motor-vehicles. No. 1,055,813; Mar. 11; Gaz. vol. 188; p. 426.
- Seashole, Guy W., assignor to J. G. Fry, Clifton Forge, Va. Hydraulic jack. No. 1,054,871; Mar. 4; Gaz. vol. 188; p. 76.
- Seaton, Benjamin C., Detroit, Mich. Vehicle-tire. No. 1,077,310; Nov. 4; Gaz. vol. 196; p. 24.
- Seaver, Edward, Jr., assignor, by mesne assignments, to The Colonial Trust Company, trustee, Pittsburgh, Pa. Fluid-translating device. No. 1,063,294; June 3; Gaz. vol. 191; p. 43.
- Seavey, Eugene, New York, N. Y. Filter. No. 1,061,928; May 13; Gaz. vol. 190; p. 499.
- Sebastian, Daniel S., Wallace, Idaho. Pipe-wrench. No. 1,059,224; Apr. 15; Gaz. vol. 189; p. 712.
- Seberg, Angelo R. (See Schmidt and Seberg.)

Alphabetical list of patentees—Continued.

- Seberg, Charles O., Marshalltown, Iowa. Safety-guard for band-saws. No. 1,059,400; Apr. 22; Gaz. vol. 189; p. 809.
- Sebesta, Edward F., Erin township, Rice county, Minn. Mouse or rat trap. No. 1,077,098; Oct. 28; Gaz. vol. 195; p. 976.
- Seck, Heinrich, Dresden, Germany. Conveying apparatus. No. 1,077,918; Nov. 4; Gaz. vol. 196; p. 232.
- Seck, Karl H. W. L., assignor to Firm of H. Lanz, Mannheim, Germany. Rotary hoe or cultivator. No. 1,070,192; Aug. 12; Gaz. vol. 193; p. 410.
- Seckinger, Charles A., Kansas City, Kans. Nut-lock. No. 1,061,873; May 13; Gaz. vol. 190; p. 481.
- Secondary Controller Company. (See Sill, Richard V., assignor.)
- Secord, Louis F., and B. Orr, Jackson, Mich., assignors to Whitman Agricultural Co., St. Louis, Mo. Internal-combustion engine. No. 1,082,656; Dec. 30; Gaz. vol. 197; p. 1064.
- Sectional Box Co., The. (See Fassnacht, Christopher, assignor.)
- Sectional Threshing Cylinder Company. (See Leavell, Thomas G., assignor.) (Reissue.)
- Security Equipment Company. (See Martin, Frederick E., assignor.)
- Sedam, William H., Moores Hill, Ind. Bundle-tie. No. 1,076,792; Oct. 28; Gaz. vol. 195; p. 870.
- Seddon, John W., Painswick, England. Flying-machine. No. 1,052,623; Feb. 11; Gaz. vol. 187; p. 298.
- Seddon, Samuel M., Salt Lake City, Utah. Rotary cement-kiln. No. 1,062,259; May 20; Gaz. vol. 190; p. 654.
- Seddon, William H., Brownsville, Pa. Envelop moistener and sealer. No. 1,067,687; July 15; Gaz. vol. 192; p. 680.
- Sederquist, James W., Lynn, Mass. Interlocking sheet-piling. No. 1,067,489; July 15; Gaz. vol. 192; p. 613.
- Sedgwick, Hiram G., Mill Valley, Cal., assignor to The National Safety Appliance Company. Railway-cab signal. No. 1,082,824; Dec. 30; Gaz. vol. 197; p. 1125.
- Sedgwick, Hiram G., Mill Valley, Cal., assignor to The National Safety Appliance Company. Automatic train-stop. No. 1,082,825; Dec. 30; Gaz. vol. 197; p. 1125.
- Sedlacek, Charles, Lynch, Nebr. Storm-curtain for vehicles. No. 1,074,297; Sept. 30; Gaz. vol. 194; p. 1022.
- Sedlak, Frank and L., and A. Hora, Chicago, Ill. Fuel-igniting device. No. 1,052,624; Feb. 11; Gaz. vol. 187; p. 299.
- Sedlak, Louis. (See Sedlak and Hora.)
- See, Alonzo B. (See Lindstrom, Nils O., assignor.)
- Seeberger, Charles D., New York, N. Y. Conveyer. No. 1,071,529; Aug. 26; Gaz. vol. 193; p. 933.
- Seeberger, Charles D., New York, N. Y., assignor to Otis Elevator Company. Conveyer. No. 1,049,613; Jan. 7; Gaz. vol. 186; p. 102.
- Seeger, Walter, Nuremberg, Germany. Manufacture of magnetite electrodes. No. 1,079,269; Nov. 18; Gaz. vol. 196; p. 761.
- Seegmiller, Charles H., assignor, by mesne assignments, to said Charles H. Seegmiller and F. J. Dennis, Chicago, Ill. Folding box. No. 1,079,583; Nov. 25; Gaz. vol. 196; p. 901.
- Seekins, William B., Los Angeles, Cal. Monoplane. No. 1,058,390; Apr. 8; Gaz. vol. 189; p. 387.
- Seeley, Elmer E., Conneautville, Pa. Fluid-indicator. No. 1,061,874; May 13; Gaz. vol. 190; p. 481.
- Seeley, Frank E., assignor to The Perkins Electric Switch Manufacturing Company, Bridgeport, Conn. Electric-lamp socket. No. 1,057,176; Mar. 25; Gaz. vol. 188; p. 956.
- Seeley, Herbert E., Springfield, Mo. Photographic developing-table. No. 1,059,492; Apr. 22; Gaz. vol. 189; p. 842.
- Seeley, James E. (See Winnie and Seeley.)
- Seeley, James E., assignor to High Frequency Ignition Coil Company, Los Angeles, Cal. High-tension sparking means for explosion-engines. No. 1,051,642; Jan. 28; Gaz. vol. 186; p. 894.
- Seelman, George, Jr., Milwaukee, Wis. Pocket-book. No. 1,049,409; Jan. 7; Gaz. vol. 186; p. 31.
- Seely, John A., Ogdensburg, N. Y. Steering mechanism. No. 1,055,814; Mar. 11; Gaz. vol. 188; p. 426.
- Seelye, William E., Sault Ste. Marie, Ontario, Canada. Chair. No. 1,061,875; May 13; Gaz. vol. 190; p. 481.
- Seelye, William E., Sault Ste. Marie, Ontario, Canada. Tug and trace fastener. No. 1,082,215; Dec. 23; Gaz. vol. 197; p. 878.
- Seessle, Charles, assignor of one-third to W. J. Welsh, Jersey City, and one-third to W. Mooney, Bayonne, N. J. Bowling-ball. No. 1,079,956; Dec. 2; Gaz. vol. 197; p. 12.
- Seessle, Marie, Jersey City, N. J. Rubbing implement for washboards. No. 1,059,643; Apr. 22; Gaz. vol. 189; p. 890.
- Seevers, Bert H., Akron, Ohio. Vehicle-wheel. No. 1,051,457; Jan. 28; Gaz. vol. 186; p. 831.
- Sefton Manufacturing Company, The. (See Hollett, Ira W., assignor.)
- Segal, Samuel, New York, N. Y. Lock. No. 1,065,848; June 24; Gaz. vol. 191; p. 1014.
- Segebarth, Max P., Bad Reichenhall, Germany. Therapeutic apparatus. No. 1,071,591; Aug. 26; Gaz. vol. 193; p. 953.
- Segelken, Heinrich, Bremerhaven, Germany, assignor of one-third to F. Künnick, Hoboken, N. J., and one-third to H. Beyersdorff, Bremerhaven, Germany. Retarder for flue-tubes. No. 1,056,373; Mar. 18; Gaz. vol. 188; p. 647.
- Segman, Alexander, New York, N. Y. Jewelry. No. 1,075,673; Oct. 14; Gaz. vol. 195; p. 401.
- Segraves, Henry, Pikeville, Ky. Spoke-equalizing machine. No. 1,060,793; May 6; Gaz. vol. 190; p. 78.
- Seib, George A., assignor, by mesne assignments, to Remington Typewriter Company, Ilion, N. Y. Type-writing machine. No. 1,065,970; July 1; Gaz. vol. 192; p. 23.
- Seib, George A., assignor to Remington Typewriter Company, Ilion, N. Y. Type-writing machine. No. 1,078,066; Nov. 11; Gaz. vol. 196; p. 315.
- Seib, George A., assignor to Remington Typewriter Company, Ilion, N. Y. Type-writing machine. No. 1,079,957; Dec. 2; Gaz. vol. 197; p. 12.
- Seibert, Arthur D., and B. R. Andrus, Pendleton, Oreg. Spring-wheel. No. 1,077,434; Nov. 4; Gaz. vol. 196; p. 68.
- Seibert, George B. (See Gillham and Seibert.)
- Seibt, Georg, Schöneberg, near Berlin, Germany. Means for measuring or controlling the frequency or wave length of alternating currents. No. 1,070,376; Aug. 12; Gaz. vol. 193; p. 473.
- Seibt, George, New York, N. Y. Means for increasing the speed of transmission of signals over telegraph and cable lines. No. 1,063,396; June 3; Gaz. vol. 191; p. 77.
- Seidel, Emil K. F., El Paso, Tex. Woodworking-clamp. No. 1,075,384; Oct. 14; Gaz. vol. 195; p. 303.
- Seidler, Harry F., Pittsburgh, Pa. Game apparatus. No. 1,053,654; Feb. 18; Gaz. vol. 187; p. 696.
- Seidler, Harry F., Pittsburgh, Pa. Game apparatus. No. 1,053,957; Feb. 18; Gaz. vol. 187; p. 798.
- Seidenberg, Curt, Beecher, Ill. Tobacco-pipe. No. 1,071,356; Aug. 26; Gaz. vol. 193; p. 877.
- Seidler, Edward, Nowlin, S. D. Plow. No. 1,078,644; Nov. 18; Gaz. vol. 196; p. 545.
- Seifert, Bruno R., and F. Todtenhaupt, assignors to Chemische Fabrik von Heyden, Aktiengesellschaft, Radebeul, near Dresden, Germany. Manufacture of cellulose esters of fatty acids. No. 1,051,165; Jan. 21; Gaz. vol. 186; p. 701.
- Seifert, Richard, Union Hill, N. J. Aluminum-solder. No. 1,052,693; Feb. 11; Gaz. vol. 187; p. 323.
- Seignol, Edouard. (See Schulze and Seignol.)
- Seiler, William G., Etna, Pa. Fountain-brush. No. 1,071,471; Aug. 26; Gaz. vol. 193; p. 914.
- Seinsheimer Paper Company, The. (See Constantine, Ruthford C., assignor.)
- Seipel, Oscar W., Columbus, Ohio. Wrench. No. 1,076,793; Oct. 28; Gaz. vol. 195; p. 871.
- Seipp, Henry C., Pittsburgh, Pa. Tire. No. 1,063,221; June 3; Gaz. vol. 191; p. 18.
- Seiter & Kappes Lithographing Co., The. (See Stranders, Julien, assignor.)
- Seitz, Edward, Peoria, Ill. Vapor-lamp. No. 1,064,018; June 10; Gaz. vol. 191; p. 325.
- Seitz, Edward, assignor of one-half to J. E. Lockwood, Peoria, Ill. Incandescent lamp. No. 1,052,756; Feb. 11; Gaz. vol. 187; p. 342.
- Seitz, Edward, assignor of one-half to J. E. Lockwood, Peoria, Ill. Vapor-generator. No. 1,081,255; Dec. 9; Gaz. vol. 197; p. 489.
- Seitz, Lawrence M., Boonville, Ind. Rail-joint. No. 1,066,663; July 8; Gaz. vol. 192; p. 294.
- Seitzman, Isaac, Brooklyn, N. Y. Paper-box construction. No. 1,083,147; Dec. 30; Gaz. vol. 197; p. 1231.
- Selah, Howard A., Philadelphia, Pa., assignor of one-half to J. McLinden, one-fourth to C. F. Sanders, North Wildwood, N. J., and one-eighth to W. McFadden, Philadelphia, Pa. Recording attachment for meters. No. 1,060,139; Apr. 29; Gaz. vol. 189; p. 1097.
- Selcer, Abraham I., assignor to Gage Hat Works, Chicago, Ill. Folding hat-box. No. 1,080,596; Dec. 9; Gaz. vol. 197; p. 268.
- Selden, Arthur R., Rochester, N. Y. Power-transmission mechanism. No. 1,077,371; Nov. 4; Gaz. vol. 196; p. 45.
- Selden, Lewis H., Minneapolis, Minn. Fireproof window. No. 1,071,357; Aug. 26; Gaz. vol. 193; p. 877.
- Seldeneck, Hans F. von. (See Lang, Albert, assignor.)
- Selective Signal Company. (See Manny, Ira F., assignor.)
- Seley, William W., et al. (See Hannah, Robert L. and H. R., assignor.)
- Self, Christopher C. (See Pate and Self.)
- Self, Christopher C., Barham, La. Churn. No. 1,051,277; Jan. 21; Gaz. vol. 186; p. 737.
- Self, George L., Asheville, N. C. Twine-holder. No. 1,061,330; May 13; Gaz. vol. 190; p. 298.
- Self, George L., Asheville, N. C. Twine-cutter. No. 1,066,957; July 8; Gaz. vol. 192; p. 396.
- Selkovits, Max. (See Greenwald, Blaustein, Weiss, and Selkovits.)
- Sell, John C. F., Chicago, Ill. Car-coupling. No. 1,057,177; Mar. 25; Gaz. vol. 188; p. 956.

- Sellar, John A. E., Everett, assignor of one-third to W. E. Mahoney, Cambridge, and one-third to E. Monnier, Brookline, Mass. Needle for hypodermic syringes. No. 1,050,042; Jan. 7; Gaz. vol. 186; p. 245.
- Sellar, John A. E., Everett, assignor of one-third to W. E. Mahoney, Cambridge, and one-third to E. Monnier, Brookline, Mass. Holder for hypodermic-syringe needles. No. 1,050,043; Jan. 7; Gaz. vol. 186; p. 246.
- Selleck, Samuel L., Cleveland, Ohio. Surgical instrument. No. 1,059,493; Apr. 22; Gaz. vol. 189; p. 842.
- Selleck, Wallace L., Platteville, Wis. Planting-machine. No. 1,067,788; July 15; Gaz. vol. 192; p. 714.
- Sellers, Albert F., *et al.* (See Rakestraw, Thomas G., assignor.)
- Sellers, Elias H., *et al.* (See Rakestraw, Thomas G., assignor.)
- Sellers, John H., Wellston, Ohio. Water cinder-mill. No. 1,053,444; Feb. 18; Gaz. vol. 187; p. 625.
- Sellers Manufacturing Company. (See Markham, Joseph T., assignor.)
- Sellers, William F., Gallitzin, Pa. Rail-joint. No. 1,077,168; Oct. 28; Gaz. vol. 195; p. 997.
- Sellew, Ernest B., Pawtucket, R. I. Shaping-machine. No. 1,067,882; July 22; Gaz. vol. 192; p. 779.
- Sellhast, Paul. (See Hollmann and Sellhast.)
- Sellman, Henry G., Ann Arbor, Mich. Machine for building concrete structures. No. 1,062,040; May 20; Gaz. vol. 190; p. 579.
- Sellman, Minnie S., Bridgeport, Conn. Drop-end box. No. 1,080,933; Dec. 9; Gaz. vol. 197; p. 385.
- Sells, George, assignor of one-half to V. A. Wolfe, East Las Vegas, N. Mex. Draw-bar-slack-adjusting safety appliance. No. 1,062,123; May 20; Gaz. vol. 190; p. 608.
- Sells, Jos. E. (See Dorney, Clark L., assignor.)
- Sells, Ogden S. (See Zimmerman and Sells.)
- Seltmann, Walter A., New Rochelle, N. Y. Evaporating apparatus. No. 1,079,669; Nov. 25; Gaz. vol. 196; p. 929.
- Selzer, Alexander. (See Blattle, Herman I., assignor.)
- Selzer, Michel J., Akron, Ohio. Cushion-tire. No. 1,064,097; June 10; Gaz. vol. 191; p. 352.
- Semet-Solvay Company. (See Blauvelt, Tufts, and Collins, assignors.)
- Semet-Solvay Company. (See Hughes, Charles H., assignor.)
- Semet-Solvay Company. (See Tufts, Charles G., assignor.)
- Semmerling, John. (See Gesbeck and Semmerling.)
- Semon, Charles L. (See Semon, William H. and C. L.)
- Semon, William H., Cleveland, Ohio. Holder for removable objects. No. 1,061,412; May 13; Gaz. vol. 190; p. 326.
- Semon, William H. and C. L., Ravenna, Ohio. Nut-lock. No. 1,066,761; July 8; Gaz. vol. 192; p. 330.
- Semple, Charles E., Jr., Youngstown, Ohio. Spark-plug connector and switch. No. 1,065,327; June 17; Gaz. vol. 191; p. 799.
- Semple, John B., Sewickley, Pa. Tracer for projectiles. No. 1,077,204; Oct. 28; Gaz. vol. 195; p. 1009.
- Semrau, Hugo. (See Buechner and Semrau.)
- Sence, Victor, New York, N. Y. Electric hair-brush. No. 1,052,522; Feb. 11; Gaz. vol. 187; p. 264.
- Sence, Victor, New York, N. Y. Portable electric generating apparatus. No. 1,054,872; Mar. 4; Gaz. vol. 188; p. 76.
- Senenbaugh, Samuel S., Aurora, Ill. Draping-machine. No. 1,058,391; Apr. 8; Gaz. vol. 189; p. 338.
- Senderling, Martin L., Jersey City, N. J. Coke and coal wagon. No. 1,061,201; May 6; Gaz. vol. 190; p. 219.
- Senderling, Martin L., Jersey City, N. J. Expansion-lift. No. 1,080,375; Dec. 2; Gaz. vol. 197; p. 162.
- Senders, Henry H., East Kingston, N. H. Book-support. No. 1,050,494; Jan. 14; Gaz. vol. 186; p. 436.
- Seneca Button Company. (See Denney, John C., assignor.)
- Seneca Camera Manufacturing Company. (See Dorsey, Farnum F., assignor.)
- Seneca Camera Manufacturing Company. (See Goddard, Joseph, assignor.)
- Seneca Falls Manufacturing Company, The. (See Runge, William, assignor.)
- Seng Company, The. (See Dyke, Darrell F., assignor.)
- Senge, Liborius, Crescent Springs, Ky., assignor to The Globe-Wernicke Company, Cincinnati, Ohio. Adjustable shelf. No. 1,065,004; June 17; Gaz. vol. 191; p. 692.
- Senior, Karop D., Boston, Mass. Indicator-lock. No. 1,066,664; July 8; Gaz. vol. 192; p. 295.
- Senn, Karl, Alameda, Cal. Pan-motion concentrating-table. No. 1,056,305; Mar. 18; Gaz. vol. 188; p. 626.
- Senn, Karl, Alameda, Cal. Concentrator-belt-feed mechanism. No. 1,059,494; Apr. 22; Gaz. vol. 189; p. 842.
- Senn, Karl, Alameda, Cal. Combined spreader, concentrator, and amalgamator. No. 1,059,495; Apr. 22; Gaz. vol. 189; p. 842.
- Senn, Samuel C., Tennesse, Ala. Cotton-chopper. No. 1,057,462; Apr. 1; Gaz. vol. 189; p. 23.
- Sennett, William E., Baltimore, Md. Die-upsetting device. No. 1,080,079; Dec. 2; Gaz. vol. 197; p. 57.
- Sennevoey, Robert de, Paris, France. Brush. No. 1,062,041; May 20; Gaz. vol. 190; p. 580.
- Sensenich, Chester D., Irwin, Pa. Bumper and coupling for mine-cars. No. 1,051,825; Jan. 28; Gaz. vol. 186; p. 953.
- Senstius, Sebastiaan, Cincinnati, Ohio, assignor to The Triumph Electric Company. Alternating-current machine. No. 1,055,362; Mar. 11; Gaz. vol. 188; p. 275.
- Senter, Ralph T., Buffalo, N. Y., and L. A. Kling, Elizabeth, N. J., assignors, by mesne assignments, to The Near-Side Car Company, New York, N. Y. Ventilator. No. 1,065,083; June 17; Gaz. vol. 191; p. 719.
- Senterfitt, James H. (See Hersey, Haskell, assignor.)
- Sentinel Automatic Gas Appliance Co., The. (See Bargamin, Clifford, assignor.)
- Separate Recovery Company. (See Hopkins and Barnett, assignors.)
- Seppi, Albert, assignor of one-half to J. T. Gius, St. Louis, Mo. Automatic oiling-nut. No. 1,052,694; Feb. 11; Gaz. vol. 187; p. 323.
- Serafin, Romano, Stafford Springs, Conn. Railway tie. No. 1,068,456; July 29; Gaz. vol. 192; p. 1015.
- Serena, Harry H., McKeesport, Pa. Rail-joint. No. 1,052,286; Feb. 4; Gaz. vol. 187; p. 152.
- Serfozo, Gyula. (See Fekete and Serfozo.)
- Sergeant, George S., Greensboro, N. C. Grate-bar. No. 1,081,780; Dec. 16; Gaz. vol. 197; p. 702.
- Serpek, Ottokar, assignor to Société Générale des Nitrures, Paris, France. Recovering pure alumina. (Reissue.) No. 13,509; Jan. 7; Gaz. vol. 186; p. 268.
- Serpek, Ottokar, assignor to Société Générale des Nitrures, Paris, France. Revolving electrical furnace with resistances arranged diametrically. No. 1,057,286; Mar. 25; Gaz. vol. 188; p. 993.
- Serpek, Ottokar, assignor to Société Générale des Nitrures, Paris, France. Manufacture of aluminum nitrid. No. 1,060,509; Apr. 29; Gaz. vol. 189; p. 1227.
- Serpek, Ottokar, assignor to Société Générale des Nitrures, Paris, France. Manufacture of nitrogen compounds of silicon and aluminium. No. 1,060,640; May 6; Gaz. vol. 190; p. 26.
- Serpek, Ottokar, assignor to Société Générale des Nitrures, Paris, France. Manufacture of aluminum nitrid. No. 1,078,313; Nov. 11; Gaz. vol. 196; p. 401.
- Serramoglia, José, and E. Middleton, Rosario de Santa Fé, Argentina. Windmill. No. 1,075,994; Oct. 14; Gaz. vol. 195; p. 511.
- Serrell, Harold. (See Bates and Serrell.)
- Serviss, Uriah, Gridley, Cal. Irrigation water-gate. No. 1,062,042; May 20; Gaz. vol. 190; p. 580.
- Serwe, Philip L., Seattle, Wash. Press. No. 1,064,552; June 10; Gaz. vol. 191; p. 507.
- Sessions, Albert L., Bristol, Conn. Whiffletree-hook. No. 1,053,541; Feb. 18; Gaz. vol. 187; p. 658.
- Sessions, Albert L., Bristol, Conn. Sheet-metal structure. No. 1,056,222; Mar. 18; Gaz. vol. 188; p. 598.
- Sessions, Albert L., Bristol, Conn. Hand-wheel for valves and like articles. No. 1,080,080; Dec. 2; Gaz. vol. 197; p. 57.
- Sessions, Edson O., assignor of one-half to F. Woodmansee, Chicago, Ill. Cable-end bell. No. 1,057,178; Mar. 25; Gaz. vol. 188; p. 957.
- Sessions, Edson O., assignor of one-half to F. Woodmansee, Chicago, Ill. Cable end bell. No. 1,069,819; Aug. 12; Gaz. vol. 193; p. 281.
- Sessions, Edson O., assignor to Electrical Engineers Equipment Company, Chicago, Ill. Cable end bell. No. 1,069,820; Aug. 12; Gaz. vol. 193; p. 282.
- Sessions, Frank L., Lakewood, assignor to The Standard Welding Company, Cleveland, Ohio. Strap-hanger for vehicles. No. 1,058,201; Apr. 8; Gaz. vol. 189; p. 321.
- Sessions, Frank L., Columbus, Ohio, assignor to The Jeffrey Manufacturing Company. Cable-reeling mechanism for electric locomotives. No. 1,058,635; Apr. 8; Gaz. vol. 189; p. 469.
- Sessions, Frank L., Columbus, Ohio, assignor to The Jeffrey Manufacturing Company. Cable-winding mechanism. No. 1,069,037; July 29; Gaz. vol. 192; p. 1215.
- Sessions, Frank L., Columbus, Ohio, assignor, by mesne assignments, to The Jeffrey Manufacturing Company. Circuit-breaker for electric circuits. No. 1,072,177; Sept. 2; Gaz. vol. 194; p. 174.
- Sessions, Frank L., Columbus, Ohio, assignor, by mesne assignments, to The Jeffrey Manufacturing Company. Circuit-breaker. No. 1,072,178; Sept. 2; Gaz. vol. 194; p. 174.
- Sessions, Frank L., Columbus, Ohio, assignor, by mesne assignments, to The Jeffrey Manufacturing Company. Car-axle box. No. 1,074,651; Oct. 7; Gaz. vol. 195; p. 22.
- Sessions, Hugh E., Columbia, S. C. Cotton-seed linter. No. 1,077,435; Nov. 4; Gaz. vol. 196; p. 69.
- Sessler, Leonhardt, Bottenweiler, near Zumhaus, Germany. Cultivator. No. 1,070,072; Aug. 12; Gaz. vol. 193; p. 366.
- Sessoms, Hugh W., Arlington, Wash. Hoisting device. No. 1,051,278; Jan. 21; Gaz. vol. 186; p. 737.
- Sester, Charles P., Peoria, Ill. Distributing-machine. No. 1,050,569; Jan. 14; Gaz. vol. 186; p. 462.

Alphabetical list of patentees—Continued.

- Seth, John, North Platte, Nebr. Stay-bolt. No. 1,059,573; Apr. 22; Gaz. vol. 189; p. 868.
- Setser, Joseph O. (See Dick, Archie P., Jr., assignor.)
- Sette, Frederick, Iron Ridge, Wis. Self-heating sad-iron. No. 1,050,088; Jan. 7; Gaz. vol. 186; p. 261.
- Sette, Gilbert. (See Shreve, Alexander F., assignor.)
- Setter, Michael, assignor, by mesne assignments, to First Trust and Savings Bank, trustee, Chicago, Ill. Telephone-receiver. No. 1,082,289; Dec. 23; Gaz. vol. 197; p. 906.
- Setz, Hans R., assignor to Fulton Iron Works, St. Louis, Mo. Fuel-pump for internal-combustion engines. No. 1,076,915; Oct. 28; Gaz. vol. 195; p. 914.
- Severin, Frank W., assignor to Venn-Severin Machine Co., Chicago, Ill. Inspirator. No. 1,065,971; July 1; Gaz. vol. 192; p. 24.
- Severin, Frank W., assignor to Venn-Severin Machine Co., Chicago, Ill. Governor mechanism. No. 1,074,652; Oct. 7; Gaz. vol. 195; p. 23.
- Severson, Carl J., Minneapolis, Minn. Storm-sash fastener. No. 1,055,669; Mar. 11; Gaz. vol. 188; p. 376.
- Severson, Myron L. (See Aanstoots, Theodore J. P., assignor.)
- Severy, Melvin L., Arlington Heights, and G. B. Sinclair, Winthrop, Mass. Sostenuto device for musical instruments. No. 1,068,010; July 22; Gaz. vol. 192; p. 822.
- Séviigné, Henri A. (See Dooley and Séviigné.)
- Sewall, Iver T., Lowry, Minn. Stone-loading apparatus. No. 1,073,532; Sept. 16; Gaz. vol. 194; p. 710.
- Sewall, Minott W., Roselle, assignor to The Babcock & Wilcox Company, Bayonne, N. J. Steam-boiler. No. 1,064,174; June 10; Gaz. vol. 191; p. 378.
- Sewall, Minott W., New York, N. Y., assignor to The Babcock & Wilcox Company, Bayonne, N. J. Boiler-furnace. No. 1,064,175; June 10; Gaz. vol. 191; p. 378.
- Sewall, Robert H. F., New Orleans, La. Cattle-guard. No. 1,060,713; May 6; Gaz. vol. 190; p. 52.
- Seward, Charles B., Royal Center, Ind. Churn. No. 1,066,665; July 8; Gaz. vol. 192; p. 295.
- Seward, Ernest R., assignor to The Hartford Machine Screw Company, Hartford, Conn. Metal-working machine. No. 1,063,744; June 3; Gaz. vol. 191; p. 199.
- Seward, George O. (See Kügelgen and Seward.)
- Sewell Cushion Wheel Company. (See Sewell, Robert W., assignor.)
- Sewell, Robert W., Brooklyn, N. Y., assignor to Sewell Cushion Wheel Company, Detroit, Mich. Wheel for motor and other vehicles. No. 1,058,005; Apr. 1; Gaz. vol. 189; p. 208.
- Seweryn, Ignac, Pittsburgh, Pa. Filing-machine. No. 1,060,951; May 6; Gaz. vol. 190; p. 135.
- Sexauer, Frederick E., Brooklyn, N. Y. Loose-leaf binder. No. 1,063,836; June 3; Gaz. vol. 191; p. 229.
- Seyboth & Company. (See Eckstein, Arnold, assignor.)
- Seyd, Frank O., London, England. Gas-illuminated advertising apparatus. No. 1,063,073; May 27; Gaz. vol. 190; p. 965.
- Seymour, Benjamin F., Jr., Denver, Colo. Dirigible flying-machine. No. 1,054,798; Mar. 4; Gaz. vol. 188; p. 50.
- Seymour, Benjamin F., Jr., Denver, Colo. Aeroplane flying-machine. No. 1,070,849; Aug. 19; Gaz. vol. 193; p. 673.
- Seymour, Charles R. (See De Smith and Seymour.)
- Seymour, Charles R., assignor to M. D. Knowlton Company, Rochester, N. Y. Stay-applying machine. No. 1,057,096; Mar. 25; Gaz. vol. 188; p. 929.
- Seymour, Davis S., Lebanon, Pa. Knife-scourer. No. 1,051,279; Jan. 21; Gaz. vol. 186; p. 737.
- Seymour, Dudley S., Oak Park, assignor to Union Special Machine Company, Chicago, Ill. Knife-lubricating device. No. 1,080,485; Dec. 2; Gaz. vol. 197; p. 199.
- Seymour, George E., New Albany, Ind., assignor to American Car and Foundry Company, St. Louis, Mo. Door-hasp. No. 1,066,537; July 8; Gaz. vol. 192; p. 250.
- Seymour, George E., New Albany, Ind., assignor to American Car and Foundry Company, St. Louis, Mo. Folding lavatory. No. 1,078,314; Nov. 11; Gaz. vol. 196; p. 401.
- Seymour, John C., New York, N. Y. Curtain and shade roller support. No. 1,061,202; May 6; Gaz. vol. 190; p. 220.
- Seymoure, Horace A., assignor to Roller Polisher Company, New York, N. Y. Manicuring implement. No. 1,072,046; Sept. 2; Gaz. vol. 194; p. 129.
- Sgambati, John, New York, N. Y. Filter. No. 1,059,773; Apr. 22; Gaz. vol. 189; p. 933.
- Sghelli, Rodolfo, assignor of one-half to A. R. De Pasquale, Providence, R. I. Flushing-tank. No. 1,052,384; Feb. 4; Gaz. vol. 187; p. 184.
- Shackleford, Walter L., Kennedy, Ala. Rectal tube. No. 1,080,934; Dec. 9; Gaz. vol. 197; p. 385.
- Shackleton, Alfred, Chicago, Ill. Machine for assembling protecting-strips on files. No. 1,060,794; May 6; Gaz. vol. 190; p. 78.
- Shackleton, Sugden, Malsis Mount, Keighley, England. Doffing mechanism. No. 1,079,270; Nov. 1; Gaz. vol. 196; p. 761.
- Shafer, James A., Mathews, Va. Garment-supporter. No. 1,077,099; Oct. 28; Gaz. vol. 195; p. 977.
- Shafer, James W., McKeesport, Pa. Rail-chair. No. 1,080,174; Dec. 2; Gaz. vol. 197; p. 90.
- Shafer, John M., Rosebud, N. Mex. Weeding-machine. No. 1,074,217; Sept. 30; Gaz. vol. 194; p. 995.
- Shafer, Samuel E., Elkhart county, Ind. Mold. No. 1,080,850; Dec. 9; Gaz. vol. 197; p. 357.
- Shaffer, Benjamin J., Newport News, Va. Package-carrier. No. 1,065,972; July 1; Gaz. vol. 192; p. 24.
- Shaffer, Cleve T., San Francisco, Cal. Combined amusement device and instruction apparatus. No. 1,071,101; Aug. 26; Gaz. vol. 193; p. 791.
- Shaffer, Daniel W., Chattanooga, Okla. Burglar-proof key-clamp. No. 1,057,675; Apr. 1; Gaz. vol. 189; p. 96.
- Shaffer, Fred K., Sedalia, Mo. Clamping device. No. 1,078,067; Nov. 11; Gaz. vol. 196; p. 315.
- Shaffer, Ray E., Columbus, Ohio. Steerable driving-wheel. No. 1,066,666; July 8; Gaz. vol. 192; p. 295.
- Shaffner, Samuel C., Chicago, Ill. Recording mechanism for meters. No. 1,054,720; Mar. 4; Gaz. vol. 188; p. 22.
- Shaffner, Samuel C., East Orange, N. J. Gas-regulator. No. 1,065,973; July 1; Gaz. vol. 192; p. 25.
- Shaffner, Samuel C., East Orange, N. J. Device for testing pressure, specific gravity, and volume of gases. No. 1,065,974; July 1; Gaz. vol. 192; p. 25.
- Shailor, Frank E. (See Kuhn and Shailor.)
- Shakley, Samuel D., Pittsburgh, Pa., assignor of one-half to F. C. Hockett, Cleveland, Ohio. Explosive-engine. No. 1,068,086; July 22; Gaz. vol. 192; p. 848.
- Shaler, Clarence A., Waupun, Wis. Electrically-heated sad-iron. No. 1,077,372; Nov. 4; Gaz. vol. 196; p. 46.
- Shalet, Benjamin G., Bridgeport, Conn. Bell. No. 1,057,012; Mar. 25; Gaz. vol. 188; p. 899.
- Shallenberger, Charles S., *et al.* (See Ekstedt, Ernest D., assignor.)
- Shallenberger, Charles S., assignor to Transom Draft Gear Company, St. Louis, Mo. Transom draft-gear. No. 1,061,331; May 13; Gaz. vol. 190; p. 299.
- Shallenberger, Charles S., assignor to Double Body Bolster Company, St. Louis, Mo. Combined cast-metal vestibule and door post. No. 1,069,984; Aug. 12; Gaz. vol. 193; p. 337.
- Shallenberger, Charles S., St. Louis, Mo., assignor to Double Body Bolster Company. Car end underframe. No. 1,076,243; Oct. 21; Gaz. vol. 195; p. 622.
- Shallenberger, Charles S., assignor to Commonwealth Steel Company, St. Louis, Mo. Draw-bar carrier. No. 1,072,659; Sept. 9; Gaz. vol. 194; p. 367.
- Shallenberger, Charles S., and H. M. Pfleger, assignors to The Commonwealth Steel Company, St. Louis, Mo. Car-truck. No. 1,060,370; Apr. 29; Gaz. vol. 189; p. 1179.
- Shallow, Edward J. (See Silva and Shallow.)
- Shamroy, Nicholas J., New York, N. Y. Roundabout. No. 1,078,645; Nov. 18; Gaz. vol. 196; p. 545.
- Shand, Graham E., *et al.* (See McGee, Arthur C., assignor.)
- Shane, Ettie L., Carnegie, Pa. Instep-support. No. 1,072,878; Sept. 9; Gaz. vol. 194; p. 445.
- Shane, George H., assignor to The Steel Railway Tie and Appliance Company, Denver, Colo. Railway-tie and rail-chair. No. 1,067,762; July 15; Gaz. vol. 192; p. 704.
- Shane, George H., assignor to The Steel Railway Tie and Appliance Company, Denver, Colo. Insulating means for railway ties and chairs. No. 1,082,826; Dec. 30; Gaz. vol. 197; p. 1125.
- Shane, George H., assignor to The Steel Railway Tie and Appliance Company, Denver, Colo. Railway tie and rail chair. No. 1,082,827; Dec. 30; Gaz. vol. 197; p. 1126.
- Shane, George L., Piqua, Ohio. Beet-harvester. No. 1,067,378; July 15; Gaz. vol. 192; p. 575.
- Shanklin, George R., Portland, Oreg. Hydrocarbon-oil burner. No. 1,065,277; June 17; Gaz. vol. 191; p. 782.
- Shanley, Michael H., Granbury, Tex. Fountain-brush. No. 1,055,564; Mar. 11; Gaz. vol. 188; p. 341.
- Shannon, Ellwood M. (See Rushton and Shannon.)
- Shannon, John J., *et al.* (See Baker, David, assignor.)
- Shannon, Laurence P., Washington, D. C. Case for cigarettes, &c. No. 1,071,629; Aug. 26; Gaz. vol. 193; p. 966.
- Shannon, William J. (See Sletto and Shannon.)
- Shannon, William T., Cincinnati, Ohio. Metal culvert. No. 1,071,102; Aug. 26; Gaz. vol. 193; p. 792.
- Shannon, William T., Cincinnati, Ohio. Sheet-metal culvert. No. 1,071,185; Aug. 26; Gaz. vol. 193; p. 819.
- Shapera, Charles M. (See Shapera, Morris L. and C. M.)
- Shapera, Morris L. and C. M., assignors to G. S. Pines, Chicago, Ill. Cloth-piling machine. No. 1,067,379; July 15; Gaz. vol. 192; p. 575.
- Shapiro, Samuel. (See Ricords and Lewry, assignors.)
- Shappy, Theophil H., Roanoke, Ill. Wagon-tongue supporter. No. 1,079,189; Nov. 18; Gaz. vol. 196; p. 737.
- Sharood, Samuel V., assignor of one-third to G. V. Scott, Brockton, Mass. Steam-trap valve. No. 1,066,057; July 1; Gaz. vol. 192; p. 54.
- Sharp, Abia J. (See Foster, John O., assignor.)
- Sharp, Alonzo G., assignor to The E. M. Hulse Company, Columbus, Ohio. Sofa or davenport bed. No. 1,058,798; Apr. 15; Gaz. vol. 189; p. 563.

Alphabetical list of patentees—Continued.

- Sharp, Alonzo G., assignor to The E. M. Hulse Company, Columbus, Ohio. Sofa or davenport bed. No. 1,076,843; Oct. 28; Gaz. vol. 195; p. 888.
- Sharp, Benjamin F., Ambler, Pa. Electrical burglar-alarm. No. 1,059,007; Apr. 15; Gaz. vol. 189; p. 638.
- Sharp, Edward. (See Sharp, John and E.)
- Sharp, James S., Honolulu, Hawaii. Hose connection for lawns. No. 1,064,862; June 17; Gaz. vol. 191; p. 647.
- Sharp, Jefferson M., Jr. (See Nickel and Sharp.)
- Sharp, John, assignor of one-half to C. A. Greenleaf, San Bernardino, Cal. Lock-seal bottle. No. 1,081,156; Dec. 9; Gaz. vol. 197; p. 456.
- Sharp, John and E., Cleveland, Ohio. Aeroplane. No. 1,049,540; Jan. 7; Gaz. vol. 186; p. 76.
- Sharp, Josiah C., San Diego, Cal. Toy. No. 1,075,865; Oct. 14; Gaz. vol. 195; p. 465.
- Sharp, Lee C., Plattsmouth, Nebr., assignor to American Can Company, New York, N. Y. Can-cover gasket-ring machine. No. 1,051,643; Jan. 28; Gaz. vol. 186; p. 894.
- Sharp, Lee C., Plattsmouth, Nebr., assignor to American Can Company, New York, N. Y. Can-heading machine. No. 1,082,562; Dec. 30; Gaz. vol. 197; p. 1032.
- Sharp, Otis E., Middleville, Mich. Seal-lock. No. 1,074,020; Sept. 23; Gaz. vol. 194; p. 901.
- Sharp & Smith. (See Flora, Ellsworth E., assignor.)
- Sharp & Smith. (See Musselman, George W., assignor.)
- Sharp Spark Plug Company, The. (See Walsh, Frank C., assignor.)
- Sharp, W. N. (See Sheppard, Osborne H., assignor.)
- Sharp, Walker H., Collingwood, Melbourne, Victoria, Australia. Glassware and the like. No. 1,057,889; Apr. 1; Gaz. vol. 189; p. 169.
- Sharp, William E., assignor to Alcohol Heating & Lighting Company, Chicago, Ill. Heater. No. 1,054,462; Feb. 25; Gaz. vol. 187; p. 1007.
- Sharp, William E., Chicago, assignor of one-half to G. B. Robbins, Hinsdale, Ill. Safety-vent for tank-cars. No. 1,056,842; Mar. 25; Gaz. vol. 188; p. 840.
- Sharp, William G. (See Weller, George L., assignor.)
- Sharpe, F. A. (See Venches, Frank, assignor.)
- Sharpe, George E., Steubenville, Ohio. Bath-room heater. No. 1,061,332; May 13; Gaz. vol. 190; p. 299.
- Sharpe, George E., Steubenville, Ohio. Electric heater. No. 1,064,258; June 10; Gaz. vol. 191; p. 407.
- Sharpe, George E., Steubenville, Ohio. Gas-heater. No. 1,072,780; Sept. 9; Gaz. vol. 194; p. 408.
- Sharpe, Hugh J., Lansford, Pa. Stair-rod. No. 1,063,837; June 3; Gaz. vol. 191; p. 230.
- Sharpe, James O. (See Hall and Sharpe.)
- Sharpe, Joseph, Fort Huachuca, Ariz. General protractor. No. 1,058,474; Apr. 8; Gaz. vol. 189; p. 415.
- Sharpe, Joseph, U. S. Army. Pocket-protractor. No. 1,062,740; May 27; Gaz. vol. 190; p. 854.
- Sharpe, Joseph K., Jr., assignor to The Schuman Company, Indianapolis, Ind. Shock receiving and delivering means for shredding-machines. No. 1,074,653; Oct. 7; Gaz. vol. 195; p. 23.
- Sharples, Philip M., West Chester, Pa. Artificial stone. No. 1,049,410; Jan. 7; Gaz. vol. 186; p. 32.
- Sharpneck, Eliel L., Winthrop, Mass. Antifriction-bearing. No. 1,064,863; June 17; Gaz. vol. 191; p. 647.
- Sharpneck, Matthew C., Cornville, assignor of one-half to E. Block, Prescott, Ariz. Safety-razor. No. 1,059,774; Apr. 22; Gaz. vol. 189; p. 934.
- Sharpneck, Matthew C., Cornville, assignor of one-half to E. Block, Prescott, Ariz. Safety-razor. No. 1,081,157; Dec. 9; Gaz. vol. 197; p. 457.
- Sharpneck, Matthew C., Prescott, and J. H. Lee, Cornville, Ariz. Wagon attachment. No. 1,065,177; June 17; Gaz. vol. 191; p. 748.
- Sharpton, George T. (See Smith, Thomas, assignor.)
- Shatto, George E., Cleveland, Ohio. Perculator. No. 1,059,574; Apr. 22; Gaz. vol. 189; p. 868.
- Shattuck, Burt E., Boston, assignor, by mesne assignments, to A. P. Williams, West Upton, Mass. Apparatus for mixing beverages. No. 1,067,845; July 22; Gaz. vol. 192; p. 766.
- Shattuck, Wilmer H. (See Bradley and Shattuck.)
- Shaut, Edwin J., Jackson, Mich. Device for removing bottle-caps. No. 1,064,937; June 17; Gaz. vol. 191; p. 670.
- Shaut, Edwin J., and W. A. Dunham, Jackson, Mich. Tire. No. 1,076,916; Oct. 28; Gaz. vol. 195; p. 915.
- Shaw, Abner B., North Dartmouth, Mass. Safety attachment for scarf-pins, hat-pins, &c. No. 1,054,319; Feb. 25; Gaz. vol. 187; p. 958.
- Shaw, Ai B., Medford, Mass. Device for controlling valves of gas-burners. No. 1,074,090; Sept. 23; Gaz. vol. 194; p. 924.
- Shaw, Ai B., West Medford, assignor to Automatic Gas Lighting Equipment Co., Boston, Mass. Automatic gas lighting and extinguishing mechanism. No. 1,072,998; Sept. 9; Gaz. vol. 194; p. 490.
- Shaw, Alexander R., Billings, Mont. Long-arm fruit-picker. No. 1,068,536; July 29; Gaz. vol. 192; p. 1041.
- Shaw, Alfred, Roundup, Mont. Register. No. 1,067,944; July 22; Gaz. vol. 192; p. 799.
- Shaw, Bruce A., Davenport, Iowa. Animal-trap. No. 1,052,181; Feb. 4; Gaz. vol. 187; p. 117.
- Shaw, Charles H., Denver, Colo. Hammer operated by compressed fluid. No. 1,061,203; May 6; Gaz. vol. 190; p. 220.
- Shaw, Clarence W., Johnstonville, Cal. Hook. No. 1,072,263; Sept. 2; Gaz. vol. 194; p. 200.
- Shaw, Clethie H. (See Cobb and Shaw.)
- Shaw, Edward T., and J. M. Naul, Pittsfield, Mass., assignors to General Electric Company. System of regulation. No. 1,063,608; June 3; Gaz. vol. 191; p. 151.
- Shaw, Edwin C., Wilmington, Del. Supplemental boiler for locomotives. No. 1,057,361; Mar. 25; Gaz. vol. 188; p. 1017.
- Shaw, Edwin C., assignor, by mesne assignments, to The United Rim Company, Akron, Ohio. Vehicle wheel-rim. No. 1,055,496; Mar. 11; Gaz. vol. 188; p. 820.
- Shaw, Edwin C., assignor, by mesne assignments, to The United Rim Company, Akron, Ohio. Vehicle wheel-rim. No. 1,059,575; Apr. 22; Gaz. vol. 189; p. 869.
- Shaw, Edwin C., assignor, by mesne assignments, to The United Rim Company, Akron, Ohio. Vehicle-wheel rim. No. 1,060,290; Apr. 29; Gaz. vol. 189; p. 1151.
- Shaw, Edwin C., Akron, Ohio, assignor, by mesne assignments, to The B. F. Goodrich Company. Vehicle wheel-rim. No. 1,077,233; Oct. 28; Gaz. vol. 195; p. 1019.
- Shaw, Edwin C., Akron, Ohio, assignor, by mesne assignments, to The B. F. Goodrich Company. Tool. No. 1,081,336; Dec. 16; Gaz. vol. 197; p. 556.
- Shaw, Frances D., Chicago, Ill., assignor to Shaw Kiln Company, Atlanta, Ga. Continuous kiln. No. 1,079,443; Nov. 25; Gaz. vol. 196; p. 850.
- Shaw, George, Leeds, England. Apparatus for spinning flax, hemp, jute, and other fibers. No. 1,079,888; Nov. 25; Gaz. vol. 196; p. 1007.
- Shaw, George A., Barberton, Ohio. Pneumatic tire. No. 1,057,676; Apr. 1; Gaz. vol. 189; p. 96.
- Shaw, George A., Barberton, Ohio. Pneumatic tire. No. 1,065,849; June 24; Gaz. vol. 191; p. 1014.
- Shaw, Henrietta C., Marshall, Ill. Pull or handle. No. 1,058,912; Apr. 15; Gaz. vol. 189; p. 606.
- Shaw, Horace G., Clarendon, Tex. Combined scrubber and mop. No. 1,065,975; July 1; Gaz. vol. 192; p. 26.
- Shaw, James, Atchison, Cal. Rotary valve. No. 1,066,762; July 8; Gaz. vol. 192; p. 330.
- Shaw, James, Dauphin, Manitoba, Canada. Rotary engine. No. 1,078,170; Nov. 11; Gaz. vol. 196; p. 350.
- Shaw, James R., Norwalk, Cal. Dirigible cultivator. No. 1,068,369; July 22; Gaz. vol. 192; p. 946.
- Shaw, John B., Jeanerette, La. Detachable-leaf book and holder. No. 1,053,542; Feb. 18; Gaz. vol. 187; p. 658.
- Shaw, John E., Murphy, Cal. Shaft for rotary pumps. No. 1,058,108; Apr. 8; Gaz. vol. 189; p. 289.
- Shaw, John H., assignor to Sargent & Company, New Haven, Conn. Lock. No. 1,062,043; May 20; Gaz. vol. 190; p. 580.
- Shaw, John H., assignor to Sargent & Company, New Haven, Conn. Lock. No. 1,065,557; June 24; Gaz. vol. 191; p. 916.
- Shaw, John H., assignor to Sargent & Company, New Haven, Conn. Lock. No. 1,065,558; June 24; Gaz. vol. 191; p. 916.
- Shaw, John H., assignor to Sargent & Company, New Haven, Conn. Duplex-cylinder lock. No. 1,069,734; Aug. 12; Gaz. vol. 193; p. 252.
- Shaw, John H., assignor to Sargent & Company, New Haven, Conn. Rabbet-plane. No. 1,069,735; Aug. 12; Gaz. vol. 193; p. 252.
- Shaw, John H., assignor to Sargent & Company, New Haven, Conn. Double-acting door-check. No. 1,074,091; Sept. 23; Gaz. vol. 194; p. 925.
- Shaw, John H., assignor to Sargent & Company, New Haven, Conn. Screw-driver. No. 1,081,704; Dec. 16; Gaz. vol. 197; p. 676.
- Shaw, John N., Seattle, Wash. Coffee-urn. No. 1,078,171; Nov. 11; Gaz. vol. 196; p. 351.
- Shaw, Joseph V., Denver, Colo. Sanitary folding cup. No. 1,079,067; Nov. 18; Gaz. vol. 196; p. 694.
- Shaw Kiln Company. (See Shaw, Frances D., assignor.)
- Shaw, Linus H., Brockton, Mass., assignor to United Shoe Machinery Company, Paterson, N. J. Heel. No. 1,056,458; Mar. 18; Gaz. vol. 188; p. 678.
- Shaw, Michael E., Maplewood, Ohio. Tile-machine. No. 1,074,139; Sept. 30; Gaz. vol. 194; p. 970.
- Shaw, Moses M., Braddock, Pa. Rail-joint. No. 1,076,917; Oct. 28; Gaz. vol. 195; p. 915.
- Shaw, Nathaniel H., Boston, Mass. Machine for turning bobbins. No. 1,054,042; Feb. 25; Gaz. vol. 187; p. 864.
- Shaw, Robert E., Whatley, Ala. Machine for gathering boll-weevil cotton-squares. No. 1,068,941; July 29; Gaz. vol. 192; p. 1185.
- Shaw, Roscoe H., Washington, D. C. Separatory funnel. No. 1,049,411; Jan. 7; Gaz. vol. 186; p. 32.
- Shaw, Roscoe H., Washington, D. C. Determining the content of butter-fat in butter. No. 1,052,098; Feb. 4; Gaz. vol. 187; p. 88.
- Shaw, Samuel E., Govans, Md. Game apparatus. No. 1,057,677; Apr. 1; Gaz. vol. 189; p. 96.
- Shaw-Walker Company, The. (See Wilson, Charles E., assignor.)

Alphabetical list of patentees—Continued.

- Shaw, William C., and C. D. Chapman, Cleveland Park, D. C. Domestic cooking vessel. No. 1,063,609; June 3; Gaz. vol. 191; p. 151.
- Shaw, William E. Sheridan, Wyo. Telegraphic transmitter. No. 1,071,267; Aug. 26; Gaz. vol. 193; p. 846.
- Shaw, William O., St. Paul, Minn. Tire-patching tool. No. 1,063,838; June 3; Gaz. vol. 191; p. 230.
- Shay, George W. (See Graham and Shay.)
- Shay, Michael F. (See Ewing, Frederick, assignor.)
- Shea, Daniel A., Bellefontaine, Ohio. Trap. No. 1,069,297; Aug. 5; Gaz. vol. 193; p. 73.
- Shea, Frank D., New York, N. Y. Attachment for scales. No. 1,070,295; Aug. 12; Gaz. vol. 193; p. 444.
- Shea, John A., Wilkes-Barre, Pa. Garment-hanger. No. 1,072,179; Sept. 2; Gaz. vol. 194; p. 175.
- Shea, John T., Glen Cove, N. Y. Vehicle-wheel. No. 1,052,757; Feb. 11; Gaz. vol. 187; p. 342.
- Shea, William T., Chicago, Ill. Book-support. No. 1,080,597; Dec. 9; Gaz. vol. 197; p. 268.
- Sheafe, James S., Chicago, Ill., assignor, by mesne assignments, to General Appliance Company, St. Louis, Mo. Reinforced brake-beam. No. 1,060,140; Apr. 29; Gaz. vol. 189; p. 1097.
- Sheaffer, Elmer M., Proctor, Colo. Wheel and drag-line scraper. No. 1,066,423; July 1; Gaz. vol. 192; p. 179.
- Sheaffer, Walter A., Fort Madison, Iowa. Fountain-pen retainer. No. 1,064,098; June 10; Gaz. vol. 191; p. 352.
- Sheagren, John P., Burlington, Iowa. Intermittent-grip device for exhibitors. No. 1,080,486; Dec. 2; Gaz. vol. 197; p. 199.
- Shean, John. (See Lincoln, Bert E., assignor.)
- Shearer, Harry T., assignor to Landis Tool Company, Waynesboro, Pa. Internal-grinding-wheel bearing. No. 1,078,560; Nov. 11; Gaz. vol. 196; p. 484.
- Shearer, Harry T., assignor to Landis Tool Company, Waynesboro, Pa. Work-rest for grinding-machines. No. 1,078,561; Nov. 11; Gaz. vol. 196; p. 484.
- Shearer, John, Forestville, N. Y. Grape-tie holder. No. 1,061,132; May 6; Gaz. vol. 190; p. 197.
- Shearer, William M., York, N. D. Whipping device. No. 1,050,241; Jan. 14; Gaz. vol. 186; p. 346.
- Shears, Albert L., Seattle, Wash. Oar-lock. No. 1,061,783; May 13; Gaz. vol. 190; p. 453.
- Shears, Sumner S. (See Thoens and Shears.)
- Sheasby, William H. (See Rumsey and Sheasby.)
- Shedd, Hugh E., Minneapolis, Minn. Calendar. No. 1,061,133; May 6; Gaz. vol. 190; p. 197.
- Shedd, William G., Jr., et al. (See Sigafos, Thomas R., assignor.)
- Sheehan, Thomas C., Jersey City, N. J., assignor to Durham Duplex Razor Company, New York, N. Y. Forwarding device for razor-blade-grinding machines. No. 1,049,412; Jan. 7; Gaz. vol. 186; p. 32.
- Sheehan, Thomas C., Jersey City, N. J., assignor to Durham Duplex Razor Company, New York, N. Y. Machine for truing honing-wheels. No. 1,075,227; Oct. 7; Gaz. vol. 195; p. 220.
- Sheehan, Thomas C., Jersey City, N. J., assignor, by mesne assignments, to Automatic Furnace Company, New York, N. Y. Melting and casting pot. No. 1,074,901; Oct. 7; Gaz. vol. 195; p. 106.
- Sheehan, Thomas C., and J. E. Drew, Jersey City, N. J., assignors to Durham Duplex Razor Company, New York, N. Y. Grinding-machine for razor-blades. No. 1,075,228; Oct. 7; Gaz. vol. 195; p. 220.
- Sheehan, William E. (See Bogani and Sheehan.)
- Sheehan, William E., Albany, N. Y. Paper-making machine. No. 1,059,496; Apr. 22; Gaz. vol. 189; p. 843.
- Sheen, James M., et al. (See Boehm, Christopher, assignor.)
- Sheer, Henry M., Quincy, Ill. Starting device for engines. No. 1,065,850; June 24; Gaz. vol. 191; p. 1014.
- Sheer, Henry M., assignor to The Acme Fireless Cooker Co., Quincy, Ill. Fireless cooker. No. 1,056,595; Mar. 18; Gaz. vol. 188; p. 727.
- Sheets, Adam C. (See Gilliland and Sheets.)
- Sheets, Kenney L., Mount Vernon, Wash. Pivot-polishing machine. No. 1,053,232; Feb. 18; Gaz. vol. 187; p. 550.
- Sheets, Lester T., et al. (See Rosson, Oliver O., assignor.)
- Sheffer, John W. (See Johnson and Sheffer.)
- Sheffield, Albert L., Mobile, Ala. Window-shade holder. No. 1,065,178; June 17; Gaz. vol. 191; p. 748.
- Sheffield, William M. (See Dickey, Arthur V., assignor.)
- Sheinman, Morris, assignor to Automatic Alarm Lock Company, Inc., New York, N. Y. Alarm-lock. (Reissue.) No. 13,594; July 8; Gaz. vol. 192; p. 492.
- Shelby Printing Company, The. (See Gauch, Orlando S., assignor.)
- Shelby Spring Hinge Company, The. (See Malone and Hubbs, assignors.)
- Shelden, Alvah. (See Winegarden, Arey V., assignor.)
- Shelden, Ransom B. (See Slater, Henry B., assignor.)
- Sheldon, Bernard, Keyport, N. J. Pocket tool or implement. No. 1,052,695; Feb. 11; Gaz. vol. 187; p. 323.
- Sheldon, Charles, Brisbane, Queensland, Australia. Terrestrial orrery. No. 1,050,044; Jan. 7; Gaz. vol. 186; p. 246.
- Sheldon, Edward P., assignor, by mesne assignments, to R. Hoe and Co., New York, N. Y. Offset device. No. 1,049,413; Jan. 7; Gaz. vol. 186; p. 32.
- Sheldon, Edward P., assignor to R. Hoe and Co., New York, N. Y. Sheet-delivery mechanism. No. 1,050,857; Jan. 21; Gaz. vol. 186; p. 593.
- Sheldon, Edward P., assignor, by mesne assignments, to R. Hoe and Co., New York, N. Y. Stapling mechanism. No. 1,054,043; Feb. 25; Gaz. vol. 187; p. 864.
- Sheldon, Edward P., assignor, by mesne assignments, to R. Hoe and Co., New York, N. Y. Printing-machine. No. 1,055,497; Mar. 11; Gaz. vol. 188; p. 320.
- Sheldon, Edward P., assignor to R. Hoe and Co., New York, N. Y. Rotary sheet-printing machine. No. 1,078,963; Nov. 18; Gaz. vol. 196; p. 655.
- Sheldon, Edward P., assignor to R. Hoe and Co., New York, N. Y. Assembling mechanism. No. 1,081,519; Dec. 16; Gaz. vol. 197; p. 618.
- Sheldon, Edward P., G. Brand, and F. Marcelle, Brooklyn, N. Y. Label-affixing machine. No. 1,050,856; Jan. 21; Gaz. vol. 186; p. 593.
- Sheldon, Garwood N. (See Fleming, Smith, assignor.)
- Sheldon, Harry E. (See Lawrence, Jerry A., assignor.)
- Sheldon, Lucian A., Schenectady, N. Y., assignor to General Electric Company. Planimeter. No. 1,076,525; Oct. 21; Gaz. vol. 195; p. 723.
- Sheldon, Minnie E. (See Farrington, Joel, assignor.)
- Sheldon, Sidney R., Galt, Ontario, Canada. Spray-head for air-washers. No. 1,057,780; Apr. 1; Gaz. vol. 189; p. 131.
- Sheldon, Sidney R., Galt, Ontario, Canada. Control for spray-heads for air-washers. No. 1,057,781; Apr. 1; Gaz. vol. 189; p. 131.
- Sheldon, Sidney R., Galt, Ontario, Canada. Air-washer. No. 1,062,124; May 20; Gaz. vol. 190; p. 608.
- Sheldon, Sidney R., Galt, Ontario, Canada. Rotary control for spray-heads for air-washers. No. 1,063,295; June 3; Gaz. vol. 191; p. 43.
- Sheline, Frank, New Kensington, Pa. Artificial butterfly. No. 1,077,100; Oct. 28; Gaz. vol. 195; p. 977.
- Shell, Frank L., Deadwood, S. D. Radiator-valve. No. 1,075,068; Oct. 7; Gaz. vol. 195; p. 166.
- Shell, Junius E., Lenoir, N. C. Detachable rubber heel. No. 1,054,245; Feb. 25; Gaz. vol. 187; p. 934.
- Shellhammer, Stephen, Woodland, Cal. Flower-holding stick-pin. No. 1,067,150; July 8; Gaz. vol. 192; p. 461.
- Shellhammer, Stephen, Woodland, Cal. Ice-cream-cone holder. No. 1,067,151; July 8; Gaz. vol. 192; p. 461.
- Shelor, Fred L., and K. P. Morgan, Salem, Va. Wire-stretcher and jack. No. 1,068,704; July 29; Gaz. vol. 192; p. 1100.
- Shelton, George S., Seattle, Wash. Incubator. No. 1,067,763; July 15; Gaz. vol. 192; p. 705.
- Shelton, Harrison B. (See Shelton, William J., Jr., and H. B.)
- Shelton, James. (See Phillips and Shelton.)
- Shelton, Jesse. (See Shelton, William J., Jr., and H. B.)
- Shelton, John M., Oklahoma, Okla. Type-writing machine. No. 1,067,764; July 15; Gaz. vol. 192; p. 705.
- Shelton, William G., New York, N. Y. Mixing device. No. 1,082,243; Dec. 23; Gaz. vol. 197; p. 889.
- Shelton, William J., Jr., and H. B., Troy, Kans. Wagon-skein. No. 1,078,518; Nov. 11; Gaz. vol. 196; p. 471.
- Shenk, Mendel, Brooklyn, N. Y. Ventilating window-sash lock. No. 1,082,773; Dec. 30; Gaz. vol. 197; p. 1108.
- Shenstone, Archibald C. (See Warwick, Arthur W., assignor.)
- Shenstone, Eva M., et al., executors. (See Warwick, Arthur W.)
- Shenstone, Joseph N., et al., executors. (See Warwick, Arthur W.)
- Shepanek, Albert, West Hammond, Ill. Apparatus for emptying acid-phosphate chambers. No. 1,070,296; Aug. 12; Gaz. vol. 193; p. 445.
- Shepard, Arthur F., Seattle, Wash. Nut-lock. No. 1,058,475; Apr. 8; Gaz. vol. 189; p. 416.
- Shepard, Charles H., New York, N. Y., assignor to Union Typewriter Company, Jersey City, N. J. Type-writing machine. No. 1,052,758; Feb. 11; Gaz. vol. 187; p. 343.
- Shepard, Charles H., New York, N. Y., assignor, by mesne assignments, to Union Typewriter Company, Jersey City, N. J. Type-writing machine. No. 1,053,115; Feb. 11; Gaz. vol. 187; p. 467.
- Shepard, Fredrick C., and J. T. Lucas, Minneapolis, Minn. Meter-testing apparatus. No. 1,049,541; Jan. 7; Gaz. vol. 186; p. 76.
- Shepard, Gilbert F., Dodge City, Kans. Bed-warmer. No. 1,052,385; Feb. 4; Gaz. vol. 187; p. 184.
- Shepard, Herbert L. (See McGill, Albert L., assignor.)
- Shepard, Kenneth. (See Kendall and Shepard.)
- Shepard, Leonard G., Evanston, Ill., assignor to Federal Sign System Electric. Electric sign. No. 1,052,182; Feb. 4; Gaz. vol. 187; p. 118.
- Shepard, Walter L., Melrose, Mass. Making enameled articles. No. 1,072,047; Sept. 2; Gaz. vol. 194; p. 129.
- Sheperdson, John W., Johnstown, assignor to W. L. Trill, Corry, Pa. Engine-indicator. No. 1,056,950; Mar. 25; Gaz. vol. 188; p. 879.

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- Shepherd, John W., and F. A. Jones, Wagga Wagga, New South Wales, Australia. Faucet attachment. No. 1,058,636; Apr. 8; Gaz. vol. 189; p. 469.
- Shepherd, John W., and F. A. Jones, Wagga Wagga, New South Wales, Australia. Faucet attachment. No. 1,058,637; Apr. 8; Gaz. vol. 189; p. 469.
- Shepherd Automatic Switch Co. (See Shepherd, Marshall L., assignor.)
- Shepherd, Charles P. (See Conrad and Shepherd.)
- Shepherd, Ensley C., Mineral Point, Wis. Window-sash. No. 1,075,306; Oct. 7; Gaz. vol. 195; p. 250.
- Shepherd, Frederick H. S., assignor to Automatic Pipe Cleaner Syndicate Limited, London, England. Apparatus for cleaning tobacco-pipes and the like. No. 1,052,759; Feb. 11; Gaz. vol. 187; p. 343.
- Shepherd, John E., Flushing, N. Y., assignor to Automatic Fire Protection Company. Automatic fire-protection signal system. No. 1,056,459; Mar. 18; Gaz. vol. 188; p. 678.
- Shepherd, Marshall L., assignor to Shepherd Automatic Switch Co., Montgomery, Ala. Railway-switch mechanism. No. 1,070,193; Aug. 12; Gaz. vol. 193; p. 410.
- Shepherd, Marshall L., assignor to Shepherd Automatic Switch Co., Montgomery, Ala. Railway-switch mechanism. No. 1,070,297; Aug. 12; Gaz. vol. 193; p. 445.
- Shepherd, Marshall L., assignor to Shepherd Automatic Switch Company, Inc., Montgomery, Ala. Railway-switch mechanism. No. 1,079,889; Nov. 25; Gaz. vol. 196; p. 1007.
- Shepherd, Reuben S., Seattle, Wash. Coin-operated vending-machine. No. 1,049,414; Jan. 7; Gaz. vol. 186; p. 33.
- Shepherd, Robert C., Ronda, N. C. Grinding-mill. No. 1,052,386; Feb. 4; Gaz. vol. 187; p. 184.
- Shepherd, William A., *et al.* (See Black, Albert G., assignor.)
- Shepherd, Winfred P., assignor to G. D. Parker, Riverside, Cal. Tree-prop. No. 1,078,004; Nov. 11; Gaz. vol. 196; p. 293.
- Sheppard, Erle R., New York, N. Y. Scarf-pin retainer. No. 1,053,883; Feb. 18; Gaz. vol. 187; p. 772.
- Sheppard, James E., assignor of one-half to J. W. Sheppard, Worcester, Mass. Counting mechanism. No. 1,051,922; Feb. 4; Gaz. vol. 187; p. 25.
- Sheppard, John L., assignor of one-fourth to C. B. Huiet, Charleston, S. C., and three-fourths to J. L. Sheppard, Jr., Newark, Ohio. Apparatus for reshaping and compressing plantation cotton-bales. No. 1,071,811; Sept. 2; Gaz. vol. 194; p. 50.
- Sheppard, John L., Jr., *et al.* (See Sheppard, John L., assignor.)
- Sheppard, Julius W. (See Sheppard, James E., assignor.)
- Sheppard, Osborne H., Chicago, Ill. Window-burglar-proofing device. No. 1,079,029; Nov. 18; Gaz. vol. 196; p. 681.
- Sheppard, Osborne H., assignor to W. N. Sharp, Chicago, Ill. Ear-trumpet. No. 1,079,670; Nov. 25; Gaz. vol. 196; p. 930.
- Shepperd, Sylvanus D., Newark, N. J. Comb-roll for roller cotton-gins. No. 1,074,473; Sept. 30; Gaz. vol. 194; p. 1080.
- Shepperd, Sylvanus D., Newark, N. J. Roller cotton-gin. No. 1,074,534; Sept. 30; Gaz. vol. 194; p. 1098.
- Shepperd, Sylvanus D., Newark, N. J., assignor to Southern Cotton Gin Company. Roller for cotton-gins. No. 1,080,487; Dec. 2; Gaz. vol. 197; p. 199.
- Shera, Blanche M. (See Leonard, Emma H., assignor.)
- Sherard, William, Fairport, Mo. Tug-strap connection. No. 1,067,846; July 22; Gaz. vol. 192; p. 767.
- Sherbondy, Edward L. (See Jackson and Sherbondy.)
- Sherer, Arthur M., Philadelphia, assignor to C. T. Fox, Wayne, Pa. Secondary battery. No. 1,071,359; Aug. 26; Gaz. vol. 193; p. 878.
- Sherer, Roy E., Luck, Wis. Fire-alarm. No. 1,056,951; Mar. 25; Gaz. vol. 188; p. 879.
- Sheridan, Harry E. (See Price and Sheridan.)
- Sheridan Iron Works, The, *et al.* (See Bredenberg, Alfred, assignor.)
- Sheridan Iron Works. (See Johnson, Robert J., assignor.)
- Sheridan, James B., Pittsburgh, Pa. Window-ventilator. No. 1,081,256; Dec. 9; Gaz. vol. 197; p. 490.
- Sheridan, Richard B., assignor to The Brown Hoisting Machinery Company, Cleveland, Ohio. Truck-frame. No. 1,070,545; Aug. 19; Gaz. vol. 193; p. 573.
- Sherland, Mark E., assignor of one-half to E. E. Williams, McGehee, Ark. Dry closet. No. 1,066,667; July 8; Gaz. vol. 192; p. 296.
- Sherlock, John F., and H. Spengler, New York, N. Y., assignors to H. Robinson, Detroit, Mich. Amusement device. No. 1,070,546; Aug. 19; Gaz. vol. 193; p. 574.
- Sherman, Cleveland A. (See Finkle and Sherman.)
- Sherman, David, Galesburg, Ill. Gate-hinge. No. 1,063,745; June 3; Gaz. vol. 191; p. 199.
- Sherman, Edgar B., Chicago, Ill. Operating-contact for automatic piano-players. No. 1,052,427; Feb. 4; Gaz. vol. 187; p. 199.
- Sherman, Erwin C., Youngstown, Ohio. Pot for hot metal. &c. No. 1,061,784; May 13; Gaz. vol. 190; p. 453.
- Sherman, Frank, Washington, D. C. Billiard-cue marker. No. 1,051,458; Jan. 28; Gaz. vol. 186; p. 831.
- Sherman Hog Greaser Co. (See Boston, Henry M., assignor.)
- Sherman, Jacob, Brooklyn, N. Y. Safety-pocket for garments. No. 1,071,268; Aug. 26; Gaz. vol. 193; p. 847.
- Sherman, James H., Kansas City, Mo. Hollow metallic tile. No. 1,066,229; July 1; Gaz. vol. 192; p. 116.
- Sherman, John A. (See Flagg, Fred F., assignor.)
- Sherman, John C., Brookline, Mass. Transmission of power for use in vehicles. No. 1,060,714; May 6; Gaz. vol. 190; p. 53.
- Sherman, Richard E., assignor of two-thirds to W. C. Lawson, Chicago, Ill. Vaporizer. No. 1,064,782; June 17; Gaz. vol. 191; p. 622.
- Sherman, Roger B., Pasadena, Cal. Tree surgery. No. 1,080,660; Dec. 9; Gaz. vol. 197; p. 289.
- Sherrard, Thomas J., assignor to George & Sherrard Paper Co., Wellsburg, W. Va. Paper-bag machine. No. 1,053,655; Feb. 18; Gaz. vol. 187; p. 696.
- Sherrill, Espy D., Hickory, N. C. Steady-rest for lathes. No. 1,059,225; Apr. 15; Gaz. vol. 189; p. 712.
- Sherrill, Espy D., Hickory, N. C. Angle-tool. No. 1,063,937; June 3; Gaz. vol. 191; p. 263.
- Sherrill, Harry J., Salida, Colo. Propelling mechanism for bicycles and the like. No. 1,079,444; Nov. 25; Gaz. vol. 196; p. 850.
- Sherwin-Williams Company, The. (See Ballard, Frederick W., assignor.)
- Sherwin-Williams Company, The. (See Brown, Charles H., assignor.)
- Sherwin-Williams Company, The. (See Jacobs, George A., assignor.)
- Sherwood, Emery J., and G. L. Cooke, Hobart, Ind. Railway-crossing. No. 1,059,775; Apr. 22; Gaz. vol. 189; p. 934.
- Sherwood, Howard M., assignor of one-half to M. C. Ryan, Phoenix, N. Y. Concrete-form fastener. No. 1,069,821; Aug. 12; Gaz. vol. 193; p. 282.
- Sherwood, Lincoln B., Indianapolis, Ind. Air-pump. No. 1,076,610; Oct. 21; Gaz. vol. 195; p. 753.
- Sherwood, Lowell E., Harrington, Wash. Combined cultivator and weed-killer. No. 1,067,765; July 15; Gaz. vol. 192; p. 706.
- Sherwood, Walker L. (See McManis and Sherwood.)
- Sherwood, William E., Syracuse, N. Y. Winding mechanism for dumping-wagons. No. 1,050,753; Jan. 14; Gaz. vol. 186; p. 520.
- Sherwood, William E., Syracuse, N. Y. Equalizer. No. 1,051,522; Jan. 28; Gaz. vol. 186; p. 854.
- Shideed, Abraham G., Lawrence, Mass. Twisting-machine. No. 1,057,463; Apr. 1; Gaz. vol. 189; p. 23.
- Shideed, Abraham G., Lawrence, Mass. Device for handling broken ends. No. 1,075,161; Oct. 7; Gaz. vol. 195; p. 197.
- Shields, Albert H., Columbia, Tenn. Hose-coupling. No. 1,069,038; July 29; Gaz. vol. 192; p. 1216.
- Shields Brothers. (See Curtin and Shields, assignors.)
- Shields, Edward B., assignor to Turtle-Back Log Bunk and Car Stake Company, Tacoma, Wash. Log-bunk. No. 1,060,952; May 6; Gaz. vol. 190; p. 135.
- Shields, Edward B., assignor to Turtle-Back Log Bunk and Car Stake Company, Tacoma, Wash. Logging-car stake. No. 1,065,889; June 24; Gaz. vol. 191; p. 1028.
- Shields, Edward B., Tacoma, Wash., assignor to Turtle-Back Log Bunk & Car Stake Company. Car-stake. No. 1,072,516; Sept. 9; Gaz. vol. 194; p. 317.
- Shields, George F., *et al.* (See Buttress, George, assignor.)
- Shields, James W., and A. C. Thielmann, Hubbell, Mich. Ore-classifier. No. 1,073,367; Sept. 16; Gaz. vol. 194; p. 655.
- Shields, Nelson, Minneapolis, Minn. Hinge. No. 1,051,166; Jan. 21; Gaz. vol. 186; p. 701.
- Shields, William C. (See Curtin and Shields.)
- Shields, William C., Bombay, N. Y. Footwear. No. 1,068,087; July 22; Gaz. vol. 192; p. 848.
- Shier, John, assignor of one-third to C. S. Wright, Detroit, Mich., and one-third to C. Button, Mansfield, Ohio. Sausage-linking machine. No. 1,075,604; Oct. 14; Gaz. vol. 195; p. 378.
- Shiery, James E., Geneva, Ind., and J. Shiery, Bridgeport, Ill. Packing-head for deep wells. No. 1,071,360; Aug. 26; Gaz. vol. 193; p. 878.
- Shiery, John. (See Shiery, James E. and J.)
- Shimer, Harry D., assignor to Shimer, Powell & Company, Muskegon, Mich. Knitting-machine. No. 1,081,410; Dec. 16; Gaz. vol. 197; p. 581.
- Shimer, Powell & Company. (See Shimer, Harry D., assignor.)
- Shimizu, Shinjiro, Osaki-Machi, assignor to M. Murai, Tokyo, Japan. Treating cotton yarn. No. 1,058,338; Apr. 8; Gaz. vol. 189; p. 369.
- Shindoll, William H., Arlington, S. D. Animal-catcher. No. 1,054,044; Feb. 25; Gaz. vol. 187; p. 865.
- Shine, George E., Woodside, Cal. Box. No. 1,070,194; Aug. 12; Gaz. vol. 193; p. 410.
- Shinn, Elwood H., Masonville, N. J. Attachment for vehicle-lamps. No. 1,061,020; May 6; Gaz. vol. 190; p. 160.
- Shinn, James E., Conway Springs, Kans. Coin and mail holding device for mail-boxes. No. 1,061,785; May 13; Gaz. vol. 190; p. 453.

Alphabetical list of patentees—Continued.

- Shinn, Martin E., Chicago, Ill. Curtain-stretcher. No. 1,058,913; Apr. 15; Gaz. vol. 189; p. 606.
- Shinn, Nathaniel M., assignor to Dornan Brothers, Philadelphia, Pa. Pile-fabric loom. No. 1,075,127; Oct. 7; Gaz. vol. 195; p. 185.
- Shinola Company. (See Vraney, Frank, assignor.)
- Shinton, Charles W., Belleville, Ill. Piston for oil-pump governors. No. 1,073,822; Sept. 23; Gaz. vol. 194; p. 834.
- Shipley, Grant B., Milwaukee, Wis. Apparatus for preserving wood. No. 1,081,158; Dec. 9; Gaz. vol. 197; p. 457.
- Shipley, Shepherd B., assignor of one-half to R. S. Henry, Chattanooga, Tenn. Deflector and ventilator. No. 1,082,362; Dec. 23; Gaz. vol. 197; p. 932.
- Shipley, Thomas, York, Pa. Condenser for ice-making and refrigerating machines. No. 1,079,609; Nov. 25; Gaz. vol. 196; p. 911.
- Shipley, Thomas, York, Pa. Ice-making and refrigerating machinery. No. 1,079,610; Nov. 25; Gaz. vol. 196; p. 911.
- Shipley, Thomas, York, Pa. Ammonia-compressor. No. 1,081,159; Dec. 9; Gaz. vol. 197; p. 458.
- Shipman, Bennet C., assignor to Pacific Wave Power Company, San Francisco, Cal. Wave-motor. No. 1,057,287; Mar. 25; Gaz. vol. 188; p. 993.
- Shipman, Bennet C., assignor to Pacific Wave Power Company, San Francisco, Cal. Wave-motor. No. 1,076,844; Oct. 28; Gaz. vol. 195; p. 888.
- Shipman, Evan J. (See Peck and Shipman.)
- Shipman, Francis T., Birch Hills, Saskatchewan, Canada. Harrow-cart. No. 1,053,884; Feb. 18; Gaz. vol. 187; p. 772.
- Shipman, Harold C., Cobalt, Ontario, Canada. Game. No. 1,053,322; Feb. 18; Gaz. vol. 187; p. 582.
- Shipman, Lester E., New York, N. Y. Temporary binder. No. 1,054,945; Mar. 4; Gaz. vol. 188; p. 98.
- Shipman, Ralph, Sunbury, Pa. Carburetor for internal combustion engines. No. 1,076,244; Oct. 21; Gaz. vol. 195; p. 623.
- Shipman, Thomas J., Kansas City, Mo. Apparatus for producing monolithic concrete walls. No. 1,055,237; Mar. 4; Gaz. vol. 188; p. 194.
- Shipp, Michael W., assignor of two-thirds to J. Schmitt and H. Murphy, Wilkes-Barre, Pa. Hose-clamp. No. 1,073,533; Sept. 16; Gaz. vol. 194; p. 710.
- Shipp, Swan A. (See Miller and Shipp.)
- Shippey, George E., Pittsfield, Mass. Shock-absorber. No. 1,064,019; June 10; Gaz. vol. 191; p. 325.
- Shira, William H., Traverse City, Mich. Street-sweeping machine. No. 1,053,233; Feb. 18; Gaz. vol. 187; p. 551.
- Shiras Electric Company. (See Shiras and Chassaing, assignors.)
- Shiras, Oliver, and F. X. Chassaing, assignors to Shiras Electric Company, St. Louis, Mo. Light-reflector. No. 1,073,639; Sept. 23; Gaz. vol. 194; p. 770.
- Shirer, John B., Charlotte, N. C. Reamer. No. 1,063,074; May 27; Gaz. vol. 190; p. 965.
- Shirer, John C., Columbus, Ohio. Washing-machine. No. 1,055,670; Mar. 11; Gaz. vol. 188; p. 376.
- Shirey, Clara E., Irwin, Pa. Antiseptic drinking-cup. No. 1,067,688; July 15; Gaz. vol. 192; p. 681.
- Shirey, Frank W., and J. W. Dodd, Tulsa, Okla. Rope-socket. No. 1,061,134; May 6; Gaz. vol. 190; p. 197.
- Shirley, Frederick M., assignor to L. J. and G. H. Betts, Warren, Pa. Device for pressing cigar-molds. No. 1,076,163; Oct. 21; Gaz. vol. 195; p. 596.
- Shirley, Henry R., Phoenix, British Columbia, Canada. Automatic fire-alarm. No. 1,054,624; Feb. 25; Gaz. vol. 187; p. 1062.
- Shirley, William W., New Orleans, La. Wire-bending machine. No. 1,079,890; Nov. 25; Gaz. vol. 196; p. 1008.
- Shive, Albert M., Wilkes-Barre, Pa. Hat-card holder. No. 1,081,630; Dec. 16; Gaz. vol. 197; p. 651.
- Shively, John J., Washington, D. C. Explosive-engine. No. 1,075,307; Oct. 7; Gaz. vol. 195; p. 250.
- Shiverick, Myron D., assignor to W. E. Milbank, Albany, N. Y. Wire coating and spooling machine. No. 1,076,526; Oct. 21; Gaz. vol. 195; p. 723.
- Shiverick, Nathan C., Omaha, Nebr. Riding boot and legging. No. 1,076,845; Oct. 28; Gaz. vol. 195; p. 889.
- Shlosberg, Maris, assignor to Aermore Manufacturing Company, Chicago, Ill. Muffler. No. 1,067,200; July 8; Gaz. vol. 192; p. 478.
- Shmit, Martin, and N. Jahn, Perham, Minn. Drop-curtain. No. 1,068,011; July 22; Gaz. vol. 192; p. 822.
- Shnable, Emile R., assignor to Shnable & Quinn, Chicago, Ill. Rope-fitting. No. 1,073,292; Sept. 16; Gaz. vol. 194; p. 628.
- Shnable & Quinn. (See Butler, Henry G., assignor.)
- Shnable & Quinn. (See Shnable, Emile R., assignor.)
- Shniedewend, Paul J., Chicago, Ill. Combined lock-up and register device for printing-presses. No. 1,068,705; July 29; Gaz. vol. 192; p. 1100.
- Shoaf, John H. (See Lentz, Charles R., assignor.)
- Shoberg, David C., Sioux City, Iowa. Flash-light apparatus. No. 1,063,075; May 27; Gaz. vol. 190; p. 965.
- Shock, Edgar, assignor of one-third to H. F. Clark, Washington, D. C. Door-check. No. 1,051,826; Jan. 28; Gaz. vol. 186; p. 954.
- Shockley, Harlow O., Darlington, Wis. Wheel. No. 1,050,858; Jan. 21; Gaz. vol. 186; p. 594.
- Shockley, Harlow O., Darlington, Wis. Resilient wheel. No. 1,050,859; Jan. 21; Gaz. vol. 186; p. 594.
- Shoemaker, Charles A., Chicago, Ill. Tank-car. No. 1,065,278; June 17; Gaz. vol. 191; p. 782.
- Shoemaker, Frank P., Basic City, Va. Liquid-fuel heating apparatus. No. 1,073,534; Sept. 16; Gaz. vol. 194; p. 711.
- Shoemaker, George C., Washington, D. C., assignor to Jackson Cushion Spring Company, Jackson, Mich. Spring structure. No. 1,059,080; Apr. 15; Gaz. vol. 189; p. 663.
- Shoemaker, George C., Washington, D. C., assignor to Jackson Cushion Spring Company, Jackson, Mich. Spring structure. No. 1,076,164; Oct. 21; Gaz. vol. 195; p. 596.
- Shoemaker, James S., assignor of one-third to L. W. Parsons, Hammond, Ind. Device for heating air-brake systems. No. 1,079,611; Nov. 25; Gaz. vol. 196; p. 911.
- Shoemaker, Samuel, assignor to The Pennsylvania Steel Railway Tie Company, Philadelphia, Pa. Metallic railway-tie. No. 1,053,656; Feb. 18; Gaz. vol. 187; p. 697.
- Shoemaker, Samuel, assignor to The Pennsylvania Steel Railway Tie Company, Philadelphia, Pa. Metallic railway-tie. No. 1,053,885; Feb. 18; Gaz. vol. 187; p. 773.
- Shoenberg, Milton H., assignor to Presto Electrical Manufacturing Company, San Francisco, Cal. Advertising device. No. 1,061,505; May 13; Gaz. vol. 190; p. 358.
- Shollenberger, Darius W., Montgomery, Pa., assignor to American Wood Working Machinery Co., Rochester, N. Y. Feed-controlling device. No. 1,066,440; July 1; Gaz. vol. 192; p. 185.
- Shongo, Daniel E., Lake Katrine, N. Y. Music-sheet turner. No. 1,066,330; July 1; Gaz. vol. 192; p. 151.
- Shonnard, Harold W., East Orange, N. J. Heat-engine. No. 1,072,180; Sept. 2; Gaz. vol. 194; p. 175.
- Shonnard, Harold W., East Orange, N. J. Submarine torpedo. No. 1,077,311; Nov. 4; Gaz. vol. 196; p. 24.
- Shook, Floyd D., assignor to The Everstuck Patents Co., Cleveland, Ohio. Overshoe. No. 1,071,960; Sept. 2; Gaz. vol. 194; p. 99.
- Shook, James W., Holt, Ala. Blast-furnace-charging apparatus. No. 1,055,671; Mar. 11; Gaz. vol. 188; p. 377.
- Shore, Albert F., New York, N. Y. Locomotive driving-wheel. No. 1,054,992; Mar. 4; Gaz. vol. 188; p. 115.
- Shore, Albert F., New York, N. Y. Case-hardening of steel. No. 1,072,660; Sept. 9; Gaz. vol. 194; p. 367.
- Shore, Albert F., New York, N. Y. Case-hardened steel. No. 1,072,661; Sept. 9; Gaz. vol. 194; p. 367.
- Shore, Arthur, Ogden, Utah. Scraping-machine. No. 1,054,145; Feb. 25; Gaz. vol. 187; p. 899.
- Shore, William E., assignor of forty one-hundredths to J. Franey and twenty one-hundredths to J. C. Franey, Toronto, Ontario, Canada. Stove. No. 1,078,315; Nov. 11; Gaz. vol. 196; p. 402.
- Shoreys, Frank. (See Zitzmann and Shoreys.)
- Shorkey, Peter, Ashburnham, Mass. Window-curtain support. No. 1,066,157; July 1; Gaz. vol. 192; p. 89.
- Shorman, Chauncey, Chicago, Ill. Self-propelled mowing-machine. No. 1,069,736; Aug. 12; Gaz. vol. 193; p. 252.
- Short, Alfred J., Birmingham, England. Gas-pressure governor. No. 1,057,288; Mar. 25; Gaz. vol. 188; p. 994.
- Short, Charles E., Inverness, Fla. Folding car-step. No. 1,069,194; Aug. 5; Gaz. vol. 193; p. 37.
- Short, Henry W., London, England. Boot-lace. No. 1,062,511; May 20; Gaz. vol. 190; p. 737.
- Shorten, William J., Nashville, Tenn. Clasp. No. 1,073,714; Sept. 23; Gaz. vol. 194; p. 799.
- Shorter, George E., Washingtonville, N. Y. Ironing-table. No. 1,071,961; Sept. 2; Gaz. vol. 194; p. 99.
- Shotwell, Harry L., Wenatchee, Wash. Fish-screen. No. 1,080,488; Dec. 2; Gaz. vol. 197; p. 199.
- Shouldice, George A., Alexandria, Va. Angularly-adjustable tool-holder. No. 1,050,701; Jan. 14; Gaz. vol. 186; p. 503.
- Shouldice, George A., Alexandria, Va. Reversible tool-clamp. No. 1,050,702; Jan. 14; Gaz. vol. 186; p. 503.
- Shouler, William E., Rockford, Ill. Aeroplane. No. 1,081,558; Dec. 16; Gaz. vol. 197; p. 630.
- Shouler, William M. (See Wenzel and Shouler.)
- Shoupe, George S., and W. H. Palmer, Cleveland, Ohio. Multiple-fuse device. No. 1,081,160; Dec. 9; Gaz. vol. 197; p. 458.
- Shove, Carrie A. (See Kimplen, Cornelius, assignor.)
- Showalter, Roy C., assignor of one-fourth to J. P. Reilly, Altoona, Pa. Wrench. No. 1,061,876; May 13; Gaz. vol. 190; p. 481.
- Shrader, B. L. (See Weiler, Nicholas, assignor.)
- Shrader, Clinton F. (See Goff, Frank, assignor.)
- Shrader, Lucy A., Elmira, N. Y. Window-sash. No. 1,058,909; Apr. 15; Gaz. vol. 189; p. 604.

Alphabetical list of patentees—Continued.

- Shrawder, David N., North Wales, Pa. Drinking-fountain. No. 1,082,610; Dec. 30; Gaz. vol. 197; p. 1049.
- Shredded Wheat Company, The. (See Perky, Henry D., assignor.)
- Shreeve, Herbert E., Milburn, N. J., assignor to Western Electric Company, New York, N. Y. Telephone repeater system. No. 1,074,298; Sept. 30; Gaz. vol. 194; p. 1022.
- Shreeve, Herbert E., Milburn, N. J., assignor to Western Electric Company, New York, N. Y. Telephone-transmitter. No. 1,077,373; Nov. 4; Gaz. vol. 196; p. 46.
- Shreve, Alexander F., assignor of one-half to G. Sette, Hoisington, Kans. Automatic mud-drum for boilers. No. 1,075,162; Oct. 7; Gaz. vol. 195; p. 197.
- Shreve, Harry B., assignor to T. H. Lovejoy, Chicago, Ill. Chuck. No. 1,079,520; Nov. 25; Gaz. vol. 196; p. 877.
- Shroat, Melville L. (See Warner and Shroat.)
- Shulte, David J. (See Mullen and McKelvey, assignors.)
- Shults, James C., Meadville, Pa., assignor to Russ Automatic Labeling Co., New York, N. Y. Can-labeling machine. No. 1,061,021; May 6; Gaz. vol. 190; p. 160.
- Shults, John J., Paskenta, Cal. Nut-lock. No. 1,063,397; June 3; Gaz. vol. 191; p. 77.
- Shults, William J., Osage township, Labette county, Kans. Oil-stove. No. 1,075,948; Oct. 14; Gaz. vol. 195; p. 494.
- Shultz, Frederick W. A., Quincy, Mass. Bow. No. 1,067,445; July 15; Gaz. vol. 192; p. 598.
- Shultz, Ida S., Easton, Pa. Thermostatic alarm. No. 1,055,815; Mar. 11; Gaz. vol. 188; p. 427.
- Shuman, Frank G., Chicago, Ill. Tag-fastener. No. 1,077,169; Oct. 28; Gaz. vol. 195; p. 997.
- Shumate, Joseph W., Minneapolis, Minn. Fly-chasing attachment for doors. No. 1,080,598; Dec. 9; Gaz. vol. 197; p. 268.
- Shumate, Oren, Mineola, Kans. Flying-machine. No. 1,081,869; Dec. 16; Gaz. vol. 197; p. 733.
- Shumsky, Solomon, New York, N. Y. Sofa-bedstead. No. 1,049,772; Jan. 7; Gaz. vol. 186; p. 155.
- Shupert, Frank W., and W. J. Leighty, Topeka, Kans., assignors to Storm Shield Mfg. Co., Chicago, Ill. Storm-window attachment. No. 1,063,610; June 3; Gaz. vol. 191; p. 152.
- Shuster, Albert, Shamokin, Pa. Nut-lock. No. 1,064,553; June 10; Gaz. vol. 191; p. 508.
- Shuster, Franklin B., deceased; L. F. Shuster, administratrix, assignor to F. B. Shuster Company, New Haven, Conn. Sheet-metal straightening and cutting-off machine. No. 1,058,799; Apr. 15; Gaz. vol. 189; p. 563.
- Shuster, Franklin B., deceased; L. F. Shuster, administratrix, assignor to F. B. Shuster Company, New Haven, Conn. Wire straightening and cutting-off machine. No. 1,070,195; Aug. 12; Gaz. vol. 193; p. 411.
- Shuster, Luella F., administratrix. (See Shuster, Franklin B.)
- Shute, James L., Seattle, Wash. Egg-supporting surface for incubators. No. 1,080,489; Dec. 2; Gaz. vol. 197; p. 200.
- Shute, James L., Seattle, Wash. Egg-supporting device. No. 1,081,870; Dec. 16; Gaz. vol. 197; p. 734.
- Shutt, Albert, Topeka, Kans. Guard for musical instruments. No. 1,061,877; May 13; Gaz. vol. 190; p. 482.
- Shutt, John H. (See Rohrer, Oscar A., assignor.)
- Shuyler, Reynolds, San Diego, Cal. Amusement racing device. No. 1,072,181; Sept. 2; Gaz. vol. 194; p. 175.
- Sibbald, Thomas M., Toronto, Ontario, Canada. Cash-register. No. 1,083,035; Dec. 30; Gaz. vol. 197; p. 1195.
- Sibbett, William R., Oakland, Cal. Long-staple-fiber-pulling machine. No. 1,053,543; Feb. 18; Gaz. vol. 187; p. 658.
- Sibley, Alexander B., Willis, Tex. Driving-rein guard. No. 1,058,476; Apr. 8; Gaz. vol. 189; p. 416.
- Sibley, Samuel D., assignor to The Pneumoelectric Machine Company, Syracuse, N. Y. Double-compression reciprocating implement. No. 1,072,367; Sept. 2; Gaz. vol. 194; p. 236.
- Sibley, William P., assignor of one-half to R. B. Williamson, Abilene, Tex. Churn. No. 1,058,109; Apr. 8; Gaz. vol. 189; p. 289.
- Sibson, Horace E. (See Jones, Gamble, and Sibson.)
- Sibson, Walter W. (See Allsop and Sibson.)
- Sibson, Walter W., Philadelphia, and B. A. Parkes, Baron Hill, assignors to The Philadelphia Drying Machinery Company, Philadelphia, Pa. Endless conveyer made of perforated metal. No. 1,071,269; Aug. 26; Gaz. vol. 193; p. 847.
- Sibson, Walter W., and T. Allsop, assignors to The Philadelphia Drying Machinery Company, Philadelphia, Pa. Circulating dyeing-machine. No. 1,072,662; Sept. 9; Gaz. vol. 194; p. 367.
- Sicking, Bernard. (See Korb, Leo A., assignor.)
- Siddons, Henry E., Rochester, N. Y. Feeder for live stock. No. 1,070,850; Aug. 19; Gaz. vol. 193; p. 673.
- Sideman, Reuben, San Francisco, Cal. Fire-escape. No. 1,073,293; Sept. 16; Gaz. vol. 194; p. 629.
- Sidilau, Oscar C., Shirley, assignor to Samson Cordage Works, Boston, Mass. Spindle-base. No. 1,062,044; May 20; Gaz. vol. 190; p. 580.
- Sidoli, Andrew, Central Nyack, N. Y. Pipe-hanger. No. 1,056,596; Mar. 18; Gaz. vol. 188; p. 727.
- Sidon, Maximilian, New York, N. Y. Filament-lamp. No. 1,079,804; Nov. 25; Gaz. vol. 196; p. 979.
- Sidon, Maximilian, assignor to Smith & Hemenway Co., Incorporated, New York, N. Y. Drill. No. 1,079,908; Nov. 25; Gaz. vol. 196; p. 1014.
- Sieben, Henry, and W. J. Stevenson, Kansas City, Mo., assignors to The Turbine Sewer Machine Renovating Company, Milwaukee, Wis. Sewer-cleaner. No. 1,065,735; June 24; Gaz. vol. 191; p. 976.
- Siebenaller, Nicholas A. (See Crowell and Siebenaller.)
- Siebenhaar, Christian J., Oramel, N. Y. Wall-papering machine. No. 1,071,812; Sept. 2; Gaz. vol. 194; p. 50.
- Siebenthaler, Albert L. (See Chase and Siebenthaler.)
- Sieber, Lawrence G., assignor to The J. H. Day Company, Cincinnati, Ohio. Packer. No. 1,062,741; May 27; Gaz. vol. 190; p. 854.
- Sieber, William, assignor of one-half to C. A. Hart, Henderson, Ky. Meter-box and meter connection. No. 1,057,289; Mar. 25; Gaz. vol. 188; p. 994.
- Siebers & Raisch Pattern Works. (See Boutell, John R., assignor.)
- Siebert, Carl T., East Pittsburgh, Pa. Safety lamp-burner. No. 1,079,190; Nov. 18; Gaz. vol. 196; p. 737.
- Siebert, George C., and A. Gerstmayr, Chicago, Ill.; said Gerstmayr assignor to said Siebert. Machine for cracking nuts. No. 1,062,742; May 27; Gaz. vol. 190; p. 854.
- Siebert, Mattie E., Spokane, Wash. Catamenial sack. No. 1,053,069; Feb. 11; Gaz. vol. 187; p. 451.
- Siebert, Werner, Charlottenburg, Germany, assignor to General Electric Company. Device for synthesizing gas. No. 1,061,786; May 13; Gaz. vol. 190; p. 454.
- Siebert, Werner, Rheinfelden, assignor to Elektrochemische Werke G. m. b. H., Berlin, Germany. Device for synthesizing gases. No. 1,073,823; Sept. 23; Gaz. vol. 194; p. 834.
- Siebert, Werner, Rheinfelden, assignor to Elektrochemische Werke G. m. b. H., Berlin, Germany. Device for synthesizing gases. No. 1,073,870; Sept. 23; Gaz. vol. 194; p. 850.
- Siebert, William, Chicago, Ill. Panel structure. No. 1,067,490; July 15; Gaz. vol. 192; p. 614.
- Siebrecht & Son. (See Macwilliam, James H., assignor.)
- Siefert, Emil E., New York, N. Y. Attachment for distributing vapors. No. 1,066,851; July 8; Gaz. vol. 192; p. 358.
- Siefert-Schwab, Eduard, Neunkirchen, Austria-Hungary. Producing solutions of insoluble gums. No. 1,066,852; July 8; Gaz. vol. 192; p. 359.
- Sieg, Edward L., Moscow, Idaho. Flying-machine. No. 1,049,927; Jan. 7; Gaz. vol. 186; p. 206.
- Siegel, August, Charlottenburg, and F. Goldstein, Berlin, Germany, assignors to General Electric Company. Centrifugal pump. No. 1,063,611; June 3; Gaz. vol. 191; p. 152.
- Siegel, Ernest. (See Ruppert and Siegel.)
- Siegel, Frederick L., New York, N. Y. Bottle-stopper. No. 1,073,444; Sept. 16; Gaz. vol. 194; p. 682.
- Siegel, Morris H., New York, N. Y. Overshoe. No. 1,068,942; July 29; Gaz. vol. 192; p. 1185.
- Siegel, Otto, Schlawa, Germany. Ladder. No. 1,078,316; Nov. 11; Gaz. vol. 196; p. 402.
- Siegl, Heinrich, Vienna, and J. Engel, Felixdorf, Austria-Hungary. Machine for forming and indenting rolls of dough. No. 1,071,592; Aug. 26; Gaz. vol. 193; p. 954.
- Siegrist, Charles F., Cleveland, Ohio. Registering mechanism. No. 1,056,460; Mar. 18; Gaz. vol. 188; p. 679.
- Siegrist, Jean R. G., Neuilly-sur-Seine, France. Fastener for buttons and analogous objects. No. 1,064,554; June 10; Gaz. vol. 191; p. 508.
- Siegwart, Hans, Lucerne, Switzerland. Tubular body such as pipes, hollow masts, or the like. No. 1,076,611; Oct. 21; Gaz. vol. 195; p. 754.
- Sieman, Henry M., Fort Lupton, Colo. Grasshopper-destroyer. No. 1,068,177; July 22; Gaz. vol. 192; p. 878.
- Siemann, Frederick, Fort Lupton, Colo. Agricultural machine. No. 1,053,657; Feb. 18; Gaz. vol. 187; p. 697.
- Siemen, Albert H., Appleton, Minn. Gang-frame attachment for driving harvesters from traction-engines. No. 1,080,935; Dec. 9; Gaz. vol. 197; p. 385.
- Siemens & Co., Gebrueder. (See Egly, Georg, assignor.)
- Siemens & Co., Gebrueder. (See Viertel, Eduard and H., assignors.)
- Siemens & Halske, A. G. (See Balke, Emil, assignor.)
- Siemens & Halske, A. G. (See Gerdien and Holm, assignors.)
- Siemens & Halske A-G. (See Jacob, Francis, assignor.)
- Siemens & Halske, A. G. (See Marchthal, Eduard M. v., assignor.)
- Siemens & Halske, A. G. (See Pfeil, Robert, assignor.)
- Siemens & Halske A. G. (See Prochaska, Friedrich, assignor.)
- Siemens & Halske A. G. (See Schmidt, Louis, assignor.)
- Siemens & Halske A. G. (See Voss, Richard von, assignor.)
- Siemens-Schuckert Werke G. m. b. H. (See Koss, Richard, assignor.)
- Siemens-Schuckert Werke, G. m. b. H. (See Osborne, Heinrich, assignor.)
- Siemens-Schuckert-Werke, G. m. b. H. (See Richter, Rudolf, assignor.)

Alphabetical list of patentees—Continued.

- Siemens-Schuckert-Werke G. m. b. H. (See Zederbohm, Willy, assignor.)
- Siemens-Schuckertwerke G. m. b. H. (See Ferber, Karl, assignor.)
- Siemens-Schuckertwerke G. m. b. H. (See Klement, Kohrs, and Leichtsenschlag, assignors.)
- Siemens-Schuckertwerke G. m. b. H. (See Rüdenberg, Reinhold, assignor.)
- Siemienski, Adam, Glassport, assignor of one-half to F. A. Piekarski, Pittsburgh, Pa. Bolt and nut lock. No. 1,080,175; Dec. 2; Gaz. vol. 197; p. 90.
- Siepermann, Otto, East Orange, assignor to Consolidated Color & Chemical Co., Newark, N. J. Manufacture of coloring-matters. No. 1,073,784; Sept. 23; Gaz. vol. 194; p. 822.
- Sierk, John. (See Strollnor and Sierk.)
- Sieurin, Sven E., Höganäs, Sweden. Reducing ore by means of solid, carbonaceous material. No. 1,054,873; Mar. 4; Gaz. vol. 188; p. 76.
- Sieurin, Sven E., Höganäs, Sweden. Producing metals. No. 1,065,890; June 24; Gaz. vol. 191; p. 1029.
- Sieven, Louis, assignor of one-fourth to E. Horrax, a Firm, New York, N. Y. Safety-razor. No. 1,071,593; Aug. 26; Gaz. vol. 193; p. 954.
- Siever, Charles M., Holton, Kans. Nut-lock. No. 1,081,631; Dec. 16; Gaz. vol. 197; p. 652.
- Siever, Charles W. (See Siever, John F. and C. W.)
- Siever, John F. and C. W., Keyser, W. Va. Car-brake. No. 1,050,703; Jan. 14; Gaz. vol. 186; p. 504.
- Sievers, John R. E., and R. P. Howard, Butte, Mont. Separator. No. 1,067,766; July 15; Gaz. vol. 192; p. 706.
- Sievert, Charles E., Council Bluffs, Iowa. Car-door. No. 1,073,715; Sept. 23; Gaz. vol. 194; p. 800.
- Sievert, Herman A., U. S. Army. Saddle. No. 1,069,822; Aug. 12; Gaz. vol. 193; p. 283.
- Siewers, Walter L., assignor to The Maline Mills Company, Winston-Salem, N. C. Garment. No. 1,077,170; Oct. 28; Gaz. vol. 195; p. 997.
- Siewert, Alexander, Berlin, Germany. Extension and retraction device. No. 1,073,294; Sept. 16; Gaz. vol. 194; p. 629.
- Sifferman, Frederick, South Bethlehem, Pa. Airship. No. 1,077,004; Oct. 28; Gaz. vol. 195; p. 946.
- Sigafoos, Clark A., Omaha, Nebr. Frame for folding-machines. No. 1,056,223; Mar. 18; Gaz. vol. 188; p. 599.
- Sigafoos, Clark A., Omaha, Nebr. Paper-folding machine. No. 1,056,224; Mar. 18; Gaz. vol. 188; p. 599.
- Sigafoos, Thomas R., Georgetown, assignor of three-fourths to W. P. Carstarphen, Jr., Denver, Colo., and W. G. Shedd, Jr., Chicago, Ill. Vacuum-cleaner. No. 1,067,446; July 15; Gaz. vol. 192; p. 598.
- Sigismund, Oscar, Los Angeles, Cal. Railway-car. No. 1,078,068; Nov. 11; Gaz. vol. 196; p. 316.
- Sigler, Oscar J., Mansfield, and H. J. Jarvis, Toledo, Ohio. Peat-expresser. No. 1,049,614; Jan. 7; Gaz. vol. 186; p. 102.
- Siglin, Nelson. (See Reeve and Siglin.)
- Signature Company. (See Johnson, Frank A., assignor.)
- Signature Company. (See Remick, William H., assignor.)
- Signature Company, The. (See Woodward and Crompton, assignors.)
- Sikes, Simeon R., Ocilla, Ga. Fertilizer-distributor. No. 1,074,902; Oct. 7; Gaz. vol. 195; p. 107.
- Sikes, Simeon R., Ocilla, Ga. Fertilizer-distributor. No. 1,081,991; Dec. 23; Gaz. vol. 197; p. 802.
- Silander, Jacob T., assignor to American Engineering Company, Philadelphia, Pa. Centralizing device for telemotors. No. 1,055,238; Mar. 4; Gaz. vol. 188; p. 195.
- Silbert, Gustaf I., Chicago, Ill., assignor to Federal Electric Company. Adapter for electric-lamp sockets. No. 1,060,953; May 6; Gaz. vol. 190; p. 135.
- Silbert, Gustaf I., assignor, by mesne assignments, to Chi-Ill Electric Company, Chicago, Ill. Combination-lock for plug-and-socket fixtures. No. 1,073,295; Sept. 16; Gaz. vol. 194; p. 629.
- Silcox, Robert A., Norwalk, Conn. Escutcheon-plate adjuster. No. 1,063,612; June 3; Gaz. vol. 191; p. 153.
- Silica Syndicate Limited, The. (See Kent and Lacell, assignors.)
- Silk, Thomas, Martins Ferry, Ohio. Orchard-heater. No. 1,082,101; Dec. 23; Gaz. vol. 197; p. 841.
- Silk, Thomas, Martins Ferry, Ohio, assignor to Wheeling Corrugating Company. Bucket-bail. No. 1,064,099; June 10; Gaz. vol. 191; p. 352.
- Sill, Charles C., Seattle, Wash. Wheel for vehicles. No. 1,062,260; May 20; Gaz. vol. 190; p. 655.
- Sill, Harry B. (See Hammers, George W., assignor.)
- Sill, Richard V., Newark, N. J., assignor to Secondary Controller Company, New York, N. Y. Electrical operating device. No. 1,049,415; Jan. 7; Gaz. vol. 186; p. 33.
- Silliman, Benjamin F., assignor to The Electric Railway Improvement Company, Cleveland, Ohio. Recording mechanism. No. 1,080,306; Dec. 2; Gaz. vol. 197; p. 135.
- Sillin, Cyrenius W., Stuttgart, Ark. Abdominospinal support or splint. No. 1,052,523; Feb. 11; Gaz. vol. 187; p. 264.
- Sillman, George, Spokane, Wash. Sectional tank. No. 1,073,871; Sept. 23; Gaz. vol. 194; p. 850.
- Sills, Thomas, Westmount, Quebec, Canada. Grain-car door. No. 1,073,296; Sept. 16; Gaz. vol. 194; p. 630.
- Silva, Michael F., and E. J. Shallow, Boston, Mass. Device for releasing persons caught by elevators. No. 1,062,667; May 27; Gaz. vol. 190; p. 831.
- Silveira, Henry M., Cambridge, Mass. Battleship. No. 1,080,490; Dec. 2; Gaz. vol. 197; p. 200.
- Silveira, Henry M., Cambridge, Mass. Battleship. No. 1,080,491; Dec. 2; Gaz. vol. 197; p. 200.
- Silveira, Henry M., Cambridge, Mass. Battleship. No. 1,080,492; Dec. 2; Gaz. vol. 197; p. 200.
- Silver & Company. (See Ferdon, Guy W., assignor.)
- Silver, Herman, assignor to Greenpoint Metallic Bed Company, Brooklyn, N. Y. Metal bedstead. No. 1,076,918; Oct. 28; Gaz. vol. 195; p. 915.
- Silverman, Harry, *et al.* (See Genovese, Rosario, assignor.)
- Silverman, Louis P., Providence, R. I. Water-heater. No. 1,055,363; Mar. 11; Gaz. vol. 188; p. 275.
- Silverson, Nathan, New York, N. Y. Door-hanger. No. 1,057,290; Mar. 25; Gaz. vol. 188; p. 995.
- Silverston, Anthony R., Milwaukee, Wis. Airship. No. 1,072,664; Sept. 9; Gaz. vol. 194; p. 368.
- Silverston, Anthony R., assignor of one-half to W. W. Plankinton, Milwaukee, Wis. Airship. No. 1,072,663; Sept. 9; Gaz. vol. 194; p. 368.
- Silverston, Bernard, New York, N. Y. Section-liner. No. 1,081,161; Dec. 9; Gaz. vol. 197; p. 458.
- Silvertrust, Abraham, assignor to Neely and Peacock, Chicago, Ill. Receptacle for carbon or other thin paper. No. 1,071,679; Aug. 26; Gaz. vol. 193; p. 982.
- Silvestro, John, *et al.* (See Maxwell, William B. and G. C., assignors.)
- Silvius, Ellis T., Indianapolis, Ind., assignor to The McCaskey Register Company, Alliance, Ohio. Filing appliance. No. 1,075,866; Oct. 14; Gaz. vol. 195; p. 466.
- Sim, George, assignor of one-half to D. Cameron, Chicago, Ill. Mechanical movement and machine embodying same. No. 1,051,923; Feb. 4; Gaz. vol. 187; p. 26.
- Siman, Antoun A., Detroit, Mich. Shoe-fastener. No. 1,079,521; Nov. 25; Gaz. vol. 196; p. 878.
- Simanek, Christina, and A. Steidl, Chicago, Ill. Truss-pad. No. 1,057,464; Apr. 1; Gaz. vol. 189; p. 23.
- Simard, Epiphane P., Waltham, and A. O. Boucher, Lawrence, Mass. Rail-grinding machine. No. 1,067,624; July 15; Gaz. vol. 192; p. 658.
- Simas, Antonio, *et al.* (See Simas, Michael P., assignor.)
- Simas, Joao, *et al.* (See Simas, Michael P., assignor.)
- Simas, Manuel, *et al.* (See Simas, Michael P., assignor.)
- Simas, Michael P., assignor of one-seventh to J. Vasconcellos, one-seventh to J. Simas, one-seventh to A. Simas, one-seventh to M. Simas, one-seventh to F. Enos, and one-seventh to J. Santos, New Bedford, Mass. Switch mechanism. No. 1,059,776; Apr. 22; Gaz. vol. 189; p. 935.
- Simcoe, George, Trenton, N. J. Tubular insulator. No. 1,072,999; Sept. 9; Gaz. vol. 194; p. 490.
- Simerson, Charles H., West Hoboken, N. J. Fraud-preventer. No. 1,081,781; Dec. 16; Gaz. vol. 197; p. 703.
- Simerson, Charles H., West Hoboken, N. J. Check-controlled device. No. 1,081,782; Dec. 16; Gaz. vol. 197; p. 703.
- Simler, John, Sikeston, Mo. Lock-strike. No. 1,082,611; Dec. 30; Gaz. vol. 197; p. 1050.
- Simler, Oliver P., Johnstown, Pa., assignor to Union Radiator Company. Ventilating-radiator. No. 1,072,264; Sept. 2; Gaz. vol. 194; p. 200.
- Simmance, John F., and J. Abady, London, England. Vacuum or pressure gage. No. 1,064,555; June 10; Gaz. vol. 191; p. 508.
- Simmance, John F., and J. Abady, London, England. Water-meter. No. 1,067,491; July 15; Gaz. vol. 192; p. 614.
- Simmchen, Wilhelm, Aussig-Kleische, assignor to Firm of C. Wolfrum, Aussig, Bohemia, Austria-Hungary. Pattern-controlled shedding-motion. No. 1,064,556; June 10; Gaz. vol. 191; p. 509.
- Simmerly, Albert N., Cleveland, Ohio. Vehicle-wheel. No. 1,068,826; July 29; Gaz. vol. 192; p. 1145.
- Simmers, William. (See Revett and Simmers.)
- Simmonds, John J., Iola, Kans. Hat-pin protector. No. 1,058,914; Apr. 15; Gaz. vol. 189; p. 606.
- Simmons, Albert E., Sacramento, Cal. Fuse device. No. 1,074,218; Sept. 30; Gaz. vol. 194; p. 995.
- Simmons, Charles A., Albany, N. Y. Adjustable threading-die. No. 1,056,843; Mar. 25; Gaz. vol. 188; p. 840.
- Simmons, Charles R. (See Starkey, Charles C., assignor.)
- Simmons, Emma J., Amsterdam, N. Y. Washboiler. No. 1,049,928; Jan. 7; Gaz. vol. 186; p. 206.
- Simmons, Frank W., Atlantic City, N. J. Connecting-bar or hanger. No. 1,057,890; Apr. 1; Gaz. vol. 189; p. 170.
- Simmons, Herrmann L., assignor to The Smith and Winchester Manufacturing Co., South Windham, Conn. Flexible-belt coupling. No. 1,065,736; June 24; Gaz. vol. 191; p. 976.
- Simmons, James W., Fiskdale, Mass. Apparatus for making dies. No. 1,060,033; Apr. 29; Gaz. vol. 189; p. 1062.

Alphabetical list of patentees—Continued.

- Simmons Manufacturing Company, The. (See Gail, Charles H., assignor.)
- Simmons Manufacturing Company, The. (See Gail, John F., assignor.)
- Simmons Manufacturing Company, The. (See Parry, William H., assignor.)
- Simmons Manufacturing Company, The. (See Pine, Wilber J., assignor.)
- Simmons Manufacturing Company, The. (See Thilges, Peter, assignor.)
- Simmons Manufacturing Company, The. (See Travis, Don C., assignor.)
- Simmons Manufacturing Company. (See Travis and Blackmer, assignors.)
- Simmons Manufacturing Company, The. (See Vincent, William W., assignor.)
- Simmons, Margaret A., Pittock, Pa. Garment-supporter. No. 1,051,167; Jan. 21; Gaz. vol. 186; p. 701.
- Simmons, Oliver G., Narberth, assignor of one-half to W. F. Fischer, Philadelphia, Pa. File. No. 1,063,076; May 27; Gaz. vol. 190; p. 965.
- Simmons, Peter C., Forest Lake, Minn. Burial-casket. No. 1,072,182; Sept. 2; Gaz. vol. 194; p. 175.
- Simmons, Ralph C., Beverly, Mass., assignor to United Shoe Machinery Company, Paterson, N. J. Last. No. 1,059,081; Apr. 15; Gaz. vol. 189; p. 664.
- Simmons, Ralph C., Beverly, Mass., assignor to United Shoe Machinery Company, Paterson, N. J. Making lasts. No. 1,059,082; Apr. 15; Gaz. vol. 189; p. 664.
- Simmons, Ralph C., Beverly, Mass., assignor to United Shoe Machinery Company, Paterson, N. J. Heel-breasting machine. No. 1,080,376; Dec. 2; Gaz. vol. 197; p. 162.
- Simmons, Robert T. and W. R., Wynne, Ark. Cotton-cultivating machine. No. 1,079,671; Nov. 25; Gaz. vol. 196; p. 930.
- Simmons, Shelby E., Russellville, Ky. Movable headlight for locomotives. No. 1,081,992; Dec. 23; Gaz. vol. 197; p. 803.
- Simmons, Walter O., Hartsells, Ala. Horse-releasing device. No. 1,065,559; June 24; Gaz. vol. 191; p. 917.
- Simmons, William M., Burlington, Iowa. Latch-operating mechanism for vehicle-doors. No. 1,072,048; Sept. 2; Gaz. vol. 194; p. 129.
- Simmons, William M., Burlington, Iowa. Means for operating doors of vehicles. No. 1,076,165; Oct. 21; Gaz. vol. 195; p. 596.
- Simmons, William M., Burlington, Iowa. Door-operating mechanism. No. 1,076,460; Oct. 21; Gaz. vol. 195; p. 700.
- Simmons, William R. (See Simmons, Robert T. and W. R.)
- Simmons, William T., Langley, Ark. Plow attachment. No. 1,067,068; July 8; Gaz. vol. 192; p. 431.
- Simmons, Zalmon G., *et al.*, trustees. (See McMullen, George W. and G. B., assignors.) (Reissue.)
- Simms, Frederick R., Willesden Lane, London, England, assignor to The Simms Magneto Company. Starter for internal-combustion engines. No. 1,083,221; Dec. 30; Gaz. vol. 197; p. 1252.
- Simms, Frederick R., Willesden Lane, England, assignor to Simms Magneto Co., Inc., New York, N. Y. Electric ignition apparatus. No. 1,083,222; Dec. 30; Gaz. vol. 197; p. 1253.
- Simms, Harold H. (See Payne and Simms.)
- Simms, Henry W., Bay City, Mich. Wrench. No. 1,051,459; Jan. 28; Gaz. vol. 186; p. 832.
- Simms, Jesse C., Matoaka, W. Va. Artificial minnow. No. 1,079,891; Nov. 25; Gaz. vol. 196; p. 1008.
- Simms Magneto Company, The. (See Simms, Frederick R., assignor.)
- Simon, Arthur, assignor to The Cutler Hammer Mfg. Co., Milwaukee, Wis. Pressure-operating device. No. 1,075,733; Oct. 14; Gaz. vol. 195; p. 421.
- Simon, Christian, Essen-on-the-Ruhr, Germany. Freeing slack coal from water. No. 1,063,296; June 3; Gaz. vol. 191; p. 43.
- Simon, Christian, Essen-on-the-Ruhr, Germany. Coal-jigger. No. 1,082,102; Dec. 23; Gaz. vol. 197; p. 841.
- Simon, Clara G. J., Portland, Oreg. Ironing-machine. No. 1,054,721; Mar. 4; Gaz. vol. 188; p. 22.
- Simon, George J., La Belle, Pa. Nut-lock. No. 1,057,465; Apr. 1; Gaz. vol. 189; p. 23.
- Simon, Henry, *et al.* (See McAllister, John E., assignor.)
- Simon, John, assignor of one-third to G. Kohlert, Buffalo, N. Y. Hat-fastener. No. 1,066,331; July 1; Gaz. vol. 192; p. 151.
- Simon, Leopold, New York, N. Y. Screen. No. 1,054,993; Mar. 4; Gaz. vol. 188; p. 115.
- Simon, Morecz, East Chicago, Ind. Nut-lock. No. 1,075,605; Oct. 14; Gaz. vol. 195; p. 379.
- Simon, Nicholas and N., Jr., Chicago, Ill. Combined cheese-pressing hoop and cheese-shipping box. No. 1,061,929; May 13; Gaz. vol. 190; p. 500.
- Simon, Wilhelm, assignor to J. Schmidt, Nuremberg, Germany. Device for closing tablet-capsules. No. 1,062,368; May 20; Gaz. vol. 190; p. 690.
- Simond, Walter A., assignor of one-half to O. A. Towne, Franklin, N. H. Rotary pump. No. 1,062,803; May 27; Gaz. vol. 190; p. 875.
- Simonds, Herbert R., Dayton, Ohio. Roll and bars for beater and washer engines. No. 1,056,461; Mar. 18; Gaz. vol. 188; p. 680.
- Simonds Manufacturing Company. (See Howard, Leslie E., assignor.)
- Simonin, Victor, Camden, N. J. Tobacco-pipe. No. 1,080,851; Dec. 9; Gaz. vol. 197; p. 357.
- Simons, Berry B. (See Bauer, William J., assignor.)
- Simons, Charles D., Jr., *et al.* (See Hebig, Henry C., assignor.)
- Simons, Edward L., assignor of one-half to H. E. Johnson, Lansdowne, Pa. Electric fixture. No. 1,062,555; May 20; Gaz. vol. 190; p. 751.
- Simons, Ernest D., assignor to Scovill Manufacturing Company, Waterbury, Conn. One-piece cap for snap-fasteners. No. 1,083,262; Dec. 30; Gaz. vol. 197; p. 1266.
- Simons, Frank W., Vallejo, Cal. Umbrella rib and socket. No. 1,078,069; Nov. 11; Gaz. vol. 196; p. 316.
- Simons, William H., Columbus, Ohio. Car-coupling. No. 1,074,751; Oct. 7; Gaz. vol. 195; p. 57.
- Simonson, Anna, assignor to E. E. Stevens, Downers Grove, Ill. Clothes-pin bag. No. 1,057,385; Mar. 25; Gaz. vol. 188; p. 1024.
- Simonson, Floyd L., Kansas City, Mo. Internal-combustion engine. No. 1,059,576; Apr. 22; Gaz. vol. 189; p. 869.
- Simonson, John H., Glen Head, N. Y. Game apparatus. No. 1,052,287; Feb. 4; Gaz. vol. 187; p. 152.
- Simonson, Roger A., Chicago, Ill. Combination-tool. No. 1,050,242; Jan. 14; Gaz. vol. 186; p. 346.
- Simonson, William B., New York, N. Y. Foot and hand rest for toilet-seats. No. 1,067,767; July 15; Gaz. vol. 192; p. 707.
- Simonsson, Wilhelm, New York, N. Y. Measuring instrument. No. 1,064,670; June 10; Gaz. vol. 191; p. 548.
- Simonton, James S., Hood River, Oreg. Folding and convertible table. No. 1,069,483; Aug. 5; Gaz. vol. 193; p. 139.
- Simpier, Alphonse, Albuquerque, N. Mex. Nail-driver. No. 1,052,978; Feb. 11; Gaz. vol. 187; p. 419.
- Simple Oil Engine Company, The. (See Wood, James I., assignor.)
- Simplex Adjustable Dress Form Co., The. (See Satin, Mosesson, and Garfinkel, assignors.)
- Simplex Arms Manufacturing Company, The. (See Sprague, Horace M., assignor.)
- Simplex Electric Heating Company. (See Ovington, Edward J., assignor.)
- Simplex Metal Bound Box Company. (See Flora, Ellsworth E., assignor.)
- Simplex Railway Appliance Company. (See Fowler, William E., Jr., assignor.)
- Simplex Railway Appliance Company. (See Murray, Charles F., assignor.)
- Simplex Spreader Manufacturing Company. (See Rice, Lewis D., assignor.)
- Simplex Window Company, The. (See Soule, Arthur C., assignor.)
- Simplicity Shade Adjuster Co. (See Smith, Alva B., assignor.)
- Simpson, Charles M., assignor of five-sixths to H. F. Smith, Houston, Tex. Track-laying machine. No. 1,062,743; May 27; Gaz. vol. 190; p. 855.
- Simpson, Colin C., Jr., Flushing, N. Y. Machine for calking pipe-joints. No. 1,065,629; June 24; Gaz. vol. 191; p. 940.
- Simpson, Edmund A. (See Dickerson and Simpson.)
- Simpson, Fred, Blundellsands, near Liverpool, and A. R. T. Woods, Harrow, near London, England. Apparatus for measuring flow of liquids in closed conduits. No. 1,068,280; July 22; Gaz. vol. 192; p. 916.
- Simpson, Fred, Blundellsands, near Liverpool, and A. R. T. Woods, Harrow, near London, England. Illuminating device for photographic recording apparatus. No. 1,068,370; July 22; Gaz. vol. 192; p. 946.
- Simpson, French. (See Long, Currie, and Simpson.)
- Simpson, George. (See Reid and Simpson.)
- Simpson, George S., Morgantown, W. Va. Thermostatic heat or fire alarm. No. 1,074,654; Oct. 7; Gaz. vol. 195; p. 24.
- Simpson, James E. (See Mills and Simpson.)
- Simpson, John. (See Wyatt and Simpson.)
- Simpson, John A., assignor of one-half to R. R. Simpson and one-half to O. I. Simpson, Chicago, Ill. Cigar-box humidor. No. 1,075,867; Oct. 14; Gaz. vol. 195; p. 466.
- Simpson, John H., Providence, R. I. Cleaning device. No. 1,079,672; Nov. 25; Gaz. vol. 196; p. 930.
- Simpson, John O., assignor to Remington Arms and Ammunition Company, Ilion, N. Y. Magazine-firearm. No. 1,061,787; May 13; Gaz. vol. 190; p. 454.
- Simpson, John T., Newark, N. J. Aeroplane. No. 1,056,844; Mar. 25; Gaz. vol. 188; p. 841.
- Simpson, Montague, New York, N. Y. Jack apparatus for vehicles. No. 1,072,183; Sept. 2; Gaz. vol. 194; p. 176.
- Simpson, Napoleon B., Foxboro, Mass., assignor of forty-nine one-hundredths to M. T. Davidson, Brooklyn, N. Y. Internal-combustion engine. No. 1,075,163; Oct. 7; Gaz. vol. 195; p. 197.

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- Simpson, Orville I., *et al.* (See Simpson, John A., assignor.)
- Simpson, Ralph H., Chicago, Ill. Track-laying machine. No. 1,058,915; Apr. 15; Gaz. vol. 189; p. 606.
- Simpson, Ray R., *et al.* (See Simpson, John A., assignor.)
- Simpson, Samuel E., Muscoda, Wis. Holder for end-gates. No. 1,060,715; May 6; Gaz. vol. 190; p. 53.
- Simpson, Tracy W., Grand Rapids, Mich., assignor of one-half to G. E. Foster, Mellen, Wis., and one-half to V. A. Wallin, Grand Rapids, Mich. Debarking-machine. No. 1,051,460; Jan. 28; Gaz. vol. 186; p. 832.
- Simpson, Tracy W., Grand Rapids, Mich., assignor of one-half to G. E. Foster, Mellen, Wis., and one-half to V. A. Wallin, Grand Rapids, Mich. Knife-adjusting mechanism for bark-removing machines. No. 1,068,371; July 22; Gaz. vol. 192; p. 946.
- Simpson, William D., Columbia, S. C. Cushion-wheel. No. 1,056,597; Mar. 18; Gaz. vol. 188; p. 727.
- Simpson, William S., London, England. Treatment of steel and iron surfaces. No. 1,064,671; June 10; Gaz. vol. 191; p. 548.
- Simpson, William S., and H. Oviatt, London, England. Metallurgy of iron and steel. No. 1,061,950; May 13; Gaz. vol. 190; p. 508.
- Sims, Frederick L. H., Toronto, Ontario, Canada. Key-operated mechanism for actuating, recording, or indicating apparatus or the like. No. 1,049,929; Jan. 7; Gaz. vol. 186; p. 206.
- Sims, Gus, *et al.* (See Moss, Bertie B., assignor.)
- Sims, Henry, Erie, Pa. Combined water-heater and garbage-burner. No. 1,081,337; Dec. 16; Gaz. vol. 197; p. 556.
- Sims, Lawrence, Berryton, Kans. Snow-plow. No. 1,079,369; Nov. 25; Gaz. vol. 196; p. 826.
- Sims, Robert H. (See Nutter and Sims.)
- Sims, Thomas W., Eheart, Va. Device for producing and maintaining hyperemia. No. 1,071,103; Aug. 26; Gaz. vol. 193; p. 792.
- Sims, William D., *et al.* (See Allen, John A., assignor.)
- Sinclair, Charles C. (See Strozier, Webster G., assignor.)
- Sinclair, George B. (See Severy and Sinclair.)
- Sinclair, James L., Potlatch, Idaho. Shade-roll-operating device. No. 1,053,658; Feb. 18; Gaz. vol. 187; p. 697.
- Sindefand, Maurice L., and C. B. Woticky, assignors to Induction Signal and Safety Stop Company, New York, N. Y. Automatic safety stop system for railways. No. 1,058,638; Apr. 8; Gaz. vol. 189; p. 469.
- Sines, Henry M. and M. Farris, Wash. Automatic sleigh-brake. No. 1,077,919; Nov. 4; Gaz. vol. 196; p. 232.
- Sines, Martin. (See Sines, Henry M. and M.)
- Singer, Fritz, Offenbach-on-the-Main, assignor to Chemische Fabrik Griesheim-Elektron, Frankfurt-on-the-Main, Germany. Vat dyes and making same. No. 1,070,196; Aug. 12; Gaz. vol. 193; p. 411.
- Singer, Ludwig, Bochum, Germany. Automatic charging device for roasting-furnaces and the like. No. 1,071,962; Sept. 2; Gaz. vol. 194; p. 100.
- Singer Manufacturing Company, The. (See Allen, Edward B., assignor.)
- Singer Manufacturing Company, The. (See Barron, William L., assignor.)
- Singer Manufacturing Company, The. (See Berger, Joseph, assignor.)
- Singer Manufacturing Company, The. (See Boyd, Alexander, assignor.)
- Singer Manufacturing Company, The. (See Cox, Henry J., assignor.)
- Singer Manufacturing Company, The. (See De Voe, Albert H., assignor.)
- Singer Manufacturing Company, The. (See Diehl, Philip, assignor.)
- Singer Manufacturing Company, The. (See Diehl and Hemleb, assignors.)
- Singer Manufacturing Company, The. (See Eames and Finch, assignors.)
- Singer Manufacturing Company, The. (See Finch, John S., assignor.)
- Singer Manufacturing Company, The. (See Gray, Charles F., assignor.)
- Singer Manufacturing Company, The. (See Hemleb, Martin, assignor.)
- Singer Manufacturing Company, The. (See Horton, Charles M., assignor.)
- Singer Manufacturing Company, The. (See Kosch, Rudolph A., assignor.)
- Singer Manufacturing Company, The. (See Noble, Donald, assignor.)
- Singer Manufacturing Company, The. (See Ringe, John C., assignor.)
- Singer Manufacturing Company, The. (See Sullivan, John J., assignor.)
- Singer, Philip A., assignor of one-half to C. S. Miner, Chicago, Ill. Utilizing waste products of canning industry. No. 1,063,297; June 3; Gaz. vol. 191; p. 43.
- Singer, William W., assignor of one-third to Larson-Singer Company, Olivia, Tex. Sewing-machine. No. 1,061,413; May 13; Gaz. vol. 190; p. 326.
- Singiser, John P., assignor of one-half to W. P. Willits, Rochester, N. Y. Tool for boring and like purposes. No. 1,049,773; Jan. 7; Gaz. vol. 186; p. 155.
- Single Faucet Company, The. (See Bergens, William J., assignor.)
- Single Service Package Corporation of America. (See Dewey, Haywood G., assignor.)
- Single Service Package Corporation of America. (See Jenkins, Charles F., assignor.)
- Singleton, Granville J., Westville, Okla. Excess-baggage check. No. 1,075,505; Oct. 14; Gaz. vol. 195; p. 344.
- Sink, Henry F., Greensboro, N. C. Railway ditching-machine. No. 1,081,632; Dec. 16; Gaz. vol. 197; p. 652.
- Sink Overflow Company, The. (See Moore, Everett D., assignor.)
- Sinks, Frank W., Detroit, Mich. Toaster. No. 1,054,321; Feb. 25; Gaz. vol. 187; p. 958.
- Sinn, Francis P., Palmerton, Pa., and F. E. Pierce, Newark, N. J., assignors to The New Jersey Zinc Company, New York, N. Y. Scoop-car. No. 1,071,104; Aug. 26; Gaz. vol. 193; p. 792.
- Sinner, Emil, assignor to The La Salle Company, Milwaukee, Wis. Cash-register. No. 1,068,012; July 22; Gaz. vol. 192; p. 822.
- Sipchen, Peter. (See Roemer and Priester, assignors.)
- Sipe, Charles E., Dayton, Ohio. Wagon-loader. No. 1,051,020; Jan. 21; Gaz. vol. 186; p. 651.
- Sipe, Harry E. (See Sipe, John F. and H. E.)
- Sipe, John F. and H. E., New York, N. Y. Spring-wheel for vehicles. No. 1,080,377; Dec. 2; Gaz. vol. 197; p. 163.
- Sipe, John F. and H. E., New York, N. Y. Spring-wheel for vehicles. No. 1,080,378; Dec. 2; Gaz. vol. 197; p. 163.
- Sipe, John F. and H. E., New York, N. Y. Spring-wheel for vehicles. No. 1,080,379; Dec. 2; Gaz. vol. 197; p. 164.
- Sipes, Alfred M., Mobeetie, Tex. Safety-stirrup. No. 1,062,125; May 20; Gaz. vol. 190; p. 609.
- Sipes, Alfred M., Mobeetie, Tex. Flying-machine. No. 1,069,823; Aug. 12; Gaz. vol. 193; p. 283.
- Sipes, Victor W., Pittsburgh, Pa., assignor to J. S. Gary, Dayton, Ohio. Safety-razor. No. 1,075,606; Oct. 14; Gaz. vol. 195; p. 379.
- Sipka, Joseph, *et al.* (See Stanecky, Joseph G., assignor.)
- Sipp Electric and Machine Co., The. (See Wells, William S., assignor.)
- Sipp, Grant, Paterson, N. J. Driving mechanism for winding-machines. No. 1,066,853; July 8; Gaz. vol. 192; p. 359.
- Sipp, Grant, Paterson, N. J., and W. S. Wells, Fountain Hill, Pa., assignors to The Sipp Machine Company, Paterson, N. J. Quilling-machine. No. 1,056,462; Mar. 18; Gaz. vol. 188; p. 680.
- Sipp Machine Company, The. (See Sipp and Wells, assignors.)
- Sippel, Cornelius. (See Colby and Sippel.)
- Sisbower, George F., East Orange, N. J., assignor to New York Couch Bed Company, New York, N. Y. Hammock-stand. No. 1,066,668; July 8; Gaz. vol. 192; p. 296.
- Sisk, Thomas C., Oakland, Cal. Railway tie and spike. No. 1,071,361; Aug. 26; Gaz. vol. 193; p. 878.
- Sisler, Charles B., and J. M. Deavenport, Timberville, Miss. Stovepipe-joint. No. 1,052,288; Feb. 4; Gaz. vol. 187; p. 153.
- Sisson, Vinton E. (See Murphy and Sisson.)
- Sisson, Vinton E., Chicago, Ill. Carline for car-roofs. No. 1,066,669; July 8; Gaz. vol. 192; p. 296.
- Sisson, Vinton E., assignor to W. P. Murphy, Chicago, Ill. Bracing structure for railway-car ends. No. 1,058,890; Apr. 15; Gaz. vol. 189; p. 597.
- Sisson, Vinton E., assignor to W. P. Murphy, Chicago, Ill. End construction for railway-cars. No. 1,071,813; Sept. 2; Gaz. vol. 194; p. 50.
- Sisson, Vinton E., assignor to W. P. Murphy, Chicago, Ill. Centering device. No. 1,080,723; Dec. 9; Gaz. vol. 197; p. 310.
- Sisson, Vinton E., assignor to W. P. Murphy, Chicago, Ill. Centering device. No. 1,080,724; Dec. 9; Gaz. vol. 197; p. 310.
- Sisson, Vinton E., assignor to W. P. Murphy, Chicago, Ill. Car end framing. No. 1,080,725; Dec. 9; Gaz. vol. 197; p. 311.
- Sisson, William O. (See Watson and Downey, assignors.)
- Sites, Charles F., Newark, Ohio. Chemical and insecticide sprayer. No. 1,082,141; Dec. 23; Gaz. vol. 197; p. 853.
- Sivard, Einar L. M. (See Lundin and Sivard.)
- Sivard, Einar L. M., Brooklyn, N. Y., assignor, by mesne assignments, to Astor Trust Company, trustee. Self-righting and self-bailing boat. No. 1,050,045; Jan. 7; Gaz. vol. 186; p. 247.
- Sivard, William, Geneseo, assignor of one-half to W. A. Wheeler, Avon, N. Y. Wagon-brake. No. 1,066,854; July 8; Gaz. vol. 192; p. 359.
- Sixel, Albert J., and R. S. Conrad, Sheboygan, Wis. Saw-guard. No. 1,071,963; Sept. 2; Gaz. vol. 194; p. 100.
- Sjögren, Charl, Wessington Springs, S. D. Vehicle-wheel. No. 1,059,401; Apr. 22; Gaz. vol. 189; p. 809.
- Sjoman, John E., Osage City, Kans. Danger-signal for railway-bridges. No. 1,075,868; Oct. 14; Gaz. vol. 195; p. 467.

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- Skahen, Patrick D., Syracuse, N. Y. Burial-case. No. 1,071,105; Aug. 26; Gaz. vol. 193; p. 793.
- Skakel, William, Avon, S. D. Manure-loader. No. 1,073,716; Sept. 23; Gaz. vol. 194; p. 800.
- Skandinavisk Staabremskivefabrik ved J. C. Martins. (See Jensen and Nielsen, assignors.)
- Skanks, Stephen C., Toronto, Ontario, Canada. Watering-can. No. 1,078,005; Nov. 11; Gaz. vol. 196; p. 294.
- Skeels, Isaac, assignor to S. N. Brown & Company, Dayton, Ohio. Woodworking-machine. No. 1,056,758; Mar. 18; Gaz. vol. 188; p. 784.
- Skeen, Samuel T., Sandoval, Ill. Miner's drill. No. 1,065,005; June 17; Gaz. vol. 191; p. 692.
- Skeen, Samuel T., Sandoval, assignor of one-sixth to C. S. Heaton, one-sixth to H. C. Worcester, and one-sixth to G. M. Wyatt, Roodhouse, Ill. Apparatus for drilling holes. No. 1,078,701; Nov. 18; Gaz. vol. 196; p. 565.
- Skeen, William F., and H. L. McNicol, Hillsboro, Ohio. Whip-socket. No. 1,078,006; Nov. 11; Gaz. vol. 196; p. 294.
- Skeffington, Arthur, Blackheath, London, England. Apparatus for handling invalids or the like. No. 1,082,177; Dec. 23; Gaz. vol. 197; p. 865.
- Skelly, John S., Monongahela, Pa. Mine-car wheel. No. 1,058,110; Apr. 8; Gaz. vol. 189; p. 290.
- Skidmore, James F. (See Combs, Marshall C., assignor.)
- Skiff, Frederic A., Paxton, Mass. Hoisting mechanism. No. 1,069,195; Aug. 5; Gaz. vol. 193; p. 38.
- Skiff, Frederic A., Paxton, Mass. Solar heater. No. 1,074,219; Sept. 30; Gaz. vol. 194; p. 996.
- Skiffington, William P., New York, N. Y. Condenser or pump. No. 1,067,883; July 22; Gaz. vol. 192; p. 779.
- Skinner, Charles E., Wilkinsburg, and T. S. Scott, Pittsburgh, Pa., assignors to Westinghouse Electric & Manufacturing Company. Dynamo-electric machine. No. 1,077,374; Nov. 4; Gaz. vol. 196; p. 47.
- Skinner Chuck Company, The. (See North, Albert A., assignor.)
- Skinner, Clarence F., Newark, assignor to United Shoe Machinery Company, Paterson, N. J. Mechanical movement. No. 1,075,308; Oct. 7; Gaz. vol. 195; p. 251.
- Skinner Engine Company, The. (See Williams, Edwin F., assignor.)
- Skinner, Ernest M., Boston, Mass. Electropneumatic swell-pedal action for pipe-organs. No. 1,076,069; Oct. 21; Gaz. vol. 195; p. 564.
- Skinner, Frank H. (See Kelly, John L., assignor.) (Re-issue.)
- Skinner, Frank H., Chicago, Ill. Dental instrument. No. 1,071,106; Aug. 26; Gaz. vol. 193; p. 793.
- Skinner, Frank H., Chicago, Ill. Crown-pin extractor. No. 1,072,517; Sept. 9; Gaz. vol. 194; p. 317.
- Skinner, Frank H., Chicago, Ill. Dental instrument. No. 1,072,518; Sept. 9; Gaz. vol. 194; p. 317.
- Skinner, Frank H., Chicago, Ill. Dental appliance. No. 1,072,519; Sept. 9; Gaz. vol. 194; p. 318.
- Skinner, Frank H., Chicago, Ill. Double-acting pin-puller. No. 1,072,520; Sept. 9; Gaz. vol. 194; p. 318.
- Skinner, Frank H., Chicago, Ill. Pin-puller. No. 1,072,521; Sept. 9; Gaz. vol. 194; p. 318.
- Skinner, Frank W., Tompkinsville, N. Y. Interlocking sheeting. No. 1,068,178; July 22; Gaz. vol. 192; p. 878.
- Skinner, James M., assignor to Philadelphia Storage Battery Company, Philadelphia, Pa. Treating wood separators for storage batteries. No. 1,052,851; Feb. 11; Gaz. vol. 187; p. 376.
- Skinner, James W., Anson, Tex. Double-action ratchet. No. 1,051,021; Jan. 21; Gaz. vol. 186; p. 651.
- Skinner, Lee B., Dunedin, Fla. Fruit-drier. No. 1,049,930; Jan. 7; Gaz. vol. 186; p. 207.
- Skinner, Lee B., Dunedin, Fla. Fruit-sizer. No. 1,071,472; Aug. 26; Gaz. vol. 193; p. 914.
- Skinner, Lewis B., Denver, Colo. Mineral separator and classifier. No. 1,054,799; Mar. 4; Gaz. vol. 188; p. 50.
- Skinner, Mortimer B., Wilmette, Ill. Valve-dressing tool. No. 1,061,694; May 13; Gaz. vol. 190; p. 426.
- Skinner, Theodore H., Oneida, N. Y. Dam. No. 1,075,128; Oct. 7; Gaz. vol. 195; p. 186.
- Skinner, Theodore H., assignor to Oneida Community Limited, Oneida, N. Y. Fireproof sheathing for structural steel. No. 1,056,463; Mar. 18; Gaz. vol. 188; p. 680.
- Skinner, William P., Garden City, Minn. Adding-machine. No. 1,080,023; Dec. 2; Gaz. vol. 197; p. 36.
- Skita, Aladar, Karlsruhe, assignor to C. F. Boehringer & Soehne, Mannheim-Waldhof, Germany. Preparing hydrogenized products from unsaturated compounds. No. 1,063,746; June 3; Gaz. vol. 191; p. 200.
- Skitt, James H. (See Smith, Drum, and Skitt.)
- Skitt, James H., assignor to Smith, Drum and Company, Philadelphia, Pa. Circulating rotary dyeing-machine. No. 1,060,954; May 6; Gaz. vol. 190; p. 136.
- Skitt, James H., assignor to Smith, Drum and Company, Philadelphia, Pa. Dyeing. No. 1,067,380; July 15; Gaz. vol. 192; p. 576.
- Sklovsky, Max, Moline, Ill., assignor to Deere & Company. Gang-plow. No. 1,056,713; Mar. 18; Gaz. vol. 188; p. 766.
- Skodawerke, Aktiengesellschaft in Pilsen. (See Ott, Werner, assignor.)
- Skoog, Frank O., Chicago, Ill. Machine for tuck-pointing. No. 1,055,565; Mar. 11; Gaz. vol. 188; p. 341.
- Skoog, Gustaf A. (See Ainsworth and Skoog.)
- Skoog, Gustaf A., Youngstown, Ohio. Universal plumb. No. 1,063,473; June 3; Gaz. vol. 191; p. 102.
- Skov, Seren R. (See Scullin and Skov.)
- Skrak, Joseph. (See Kish, Arpath, assignor.)
- Skrell, Joseph, Seattle, Wash. Measuring device. No. 1,053,323; Feb. 18; Gaz. vol. 187; p. 582.
- Skrivseth, Jacob N. (See Skrivseth, Leiner T. and J. N.)
- Skrivseth, Leiner T. and J. N., Bemidji, Minn. Fanning-mill. No. 1,056,464; Mar. 18; Gaz. vol. 188; p. 681.
- Skyum, Christian E., Chicago, Ill. Scoop. No. 1,074,474; Sept. 30; Gaz. vol. 194; p. 1081.
- Slaback, Lawrence K., and G. G. McGlaughlin, Cincinnati, Ohio. Wire-locking device. No. 1,067,847; July 22; Gaz. vol. 192; p. 767.
- Slacinski, Florentina, administratrix. (See Slacinski, Frank.)
- Slacinski, Frank, deceased; F. Slacinski, administratrix, Pittsburgh, Pa. Combined curtain-pole and shade-roller support. No. 1,053,932; Feb. 18; Gaz. vol. 187; p. 790.
- Sladden, Sidney C., New York, N. Y. Hinge-lock. No. 1,060,641; May 6; Gaz. vol. 190; p. 26.
- Slade, George W., Baker City, Ore. Iron for rail-connecting. No. 1,058,477; Apr. 8; Gaz. vol. 189; p. 416.
- Sladinska, Charles L., Fountain City, Wis. Scrubbing-machine. No. 1,056,129; Mar. 18; Gaz. vol. 188; p. 567.
- Sladinska, Charles L., Fountain City, Wis. Beet-harvester. No. 1,067,884; July 22; Gaz. vol. 192; p. 780.
- Sladinska, Charles L., Fountain City, Wis. Pivoted plow-carrier and its operating mechanism. No. 1,067,885; July 22; Gaz. vol. 192; p. 780.
- Slagle, Edgar A. (See Dreisbach, Flexer, and Slagle.)
- Slagle, Elmer E., assignor to Automatic Strapping Machine Company, New York, N. Y. Automatic strapping-machine. No. 1,067,279; July 15; Gaz. vol. 192; p. 542.
- Slappey, Fannie E., Atlanta, Ga. Sash-fastener. No. 1,080,599; Dec. 9; Gaz. vol. 197; p. 268.
- Slate, George, Jr., et al., administrators. (See Spurge, Edward C.)
- Slate, William L., assignor of one-half to W. C. Forbess, Fort Worth, Tex. Switch-throwing mechanism for railway-cars. No. 1,075,869; Oct. 14; Gaz. vol. 195; p. 467.
- Slater, Addie G. (See Pelham and Kaba, assignors.)
- Slater, David R., Oakland, Cal. Display-case. No. 1,070,547; Aug. 19; Gaz. vol. 193; p. 574.
- Slater, Harvey, assignor to Charles F. Elms Engineering Works, Chicago, Ill. Retaining device for presses. No. 1,079,068; Nov. 18; Gaz. vol. 196; p. 694.
- Slater, Henry B., assignor of one-half to R. B. Shelden, Riverside, Cal. Extracting metals from their ores. No. 1,066,855; July 8; Gaz. vol. 192; p. 360.
- Slater, Joseph H., New York, N. Y. Toy. No. 1,051,022; Jan. 21; Gaz. vol. 186; p. 652.
- Slater, Otto K., Chicago, Ill. Making fertilizer. No. 1,067,224; July 8; Gaz. vol. 192; p. 487.
- Slator, M. D. (See Bogusch, Emil G., assignor.)
- Slatter, George, Plumtree, England. Grass cutter and trimmer. No. 1,050,243; Jan. 14; Gaz. vol. 186; p. 346. [Withdrawn.]
- Slatter, George, Plumtree, England. Grass cutter and trimmer. No. 1,054,320; Feb. 25; Gaz. vol. 187; p. 958.
- Slattery, Frank, Perry, Iowa. Farm-gate. No. 1,051,280; Jan. 21; Gaz. vol. 186; p. 738.
- Slattery, Frank, Perry, Iowa. Gate-latch. No. 1,078,964; Nov. 18; Gaz. vol. 196; p. 655.
- Slattery, John, Chrome, N. J. Nut-lock. No. 1,051,770; Jan. 28; Gaz. vol. 186; p. 935.
- Slattery, John, Chrome, N. J. Wheel and method of and apparatus for making the same. No. 1,079,030; Nov. 18; Gaz. vol. 196; p. 682.
- Slaughter and Company. (See Strohmenger, Arthur P., assignor.)
- Slaughter, Samuel L., Richmond, Mo. Automobile transmission mechanism. No. 1,051,281; Jan. 21; Gaz. vol. 186; p. 738.
- Slaughter, W. F., et al. (See Ross, James T., assignor.)
- Slaughter, William, Marinette, Wis. Storm-window for locomotive-cabs. No. 1,072,184; Sept. 2; Gaz. vol. 194; p. 176.
- Slavik, John F., Poughkeepsie, N. Y. Tool-holder. No. 1,052,979; Feb. 11; Gaz. vol. 187; p. 420.
- Slaweck, Michael, Philadelphia, Pa. Yieldable keeper for turn-tables. No. 1,050,570; Jan. 14; Gaz. vol. 186; p. 463.
- Sledge, D. T., et al. (See Ross, James T., assignor.)
- Sledge, John M., Marshall, Tex. Adjustable pilot. No. 1,078,467; Nov. 11; Gaz. vol. 196; p. 454.
- Sleeman, Thomas, et al. (See Anson, Joseph, assignor.)
- Sleeman, William, et al. (See Anson, Joseph, assignor.)
- Sleeper, Frank H., Worcester, Mass. Helical-spring-hooking machine. No. 1,083,223; Dec. 30; Gaz. vol. 197; p. 1253.
- Sleeper, Frederick L., Chicago, Ill. Ceramic-paint package. No. 1,061,414; May 13; Gaz. vol. 190; p. 327.

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- Sleeper, Oliver S., assignor to Buffalo Foundry and Machine Company, Buffalo, N. Y. Vacuum drying apparatus. No. 1,073,872; Sept. 23; Gaz. vol. 194; p. 850.
- Sleeper, Oliver S., assignor to The Buffalo Foundry & Machine Company, Buffalo, N. Y. Vacuum-drier. No. 1,074,903; Oct. 7; Gaz. vol. 195; p. 107.
- Sleeper, Oliver S., assignor to Buffalo Foundry & Machine Company, Buffalo, N. Y. Vacuum-valve. No. 1,079,150; Nov. 18; Gaz. vol. 196; p. 722.
- Sleeper, Oliver S., assignor to Buffalo Foundry & Machine Company, Buffalo, N. Y. Drier. No. 1,081,338; Dec. 16; Gaz. vol. 197; p. 556.
- Sleeth, Montgomery, Bellevue, assignor to Fort Pitt Bedding Company, Pittsburgh, Pa. Bed-spring-supporting frame. No. 1,070,298; Aug. 12; Gaz. vol. 193; p. 446.
- Sleezer, Flavius J., Bristol, Ill. Hoisting apparatus. No. 1,053,324; Feb. 18; Gaz. vol. 187; p. 583.
- Sleffel, William J., assignor to The Kirk-Latty Manufacturing Company, Cleveland, Ohio. Sliding seat. No. 1,067,789; July 15; Gaz. vol. 192; p. 714.
- Sleigh, Charles F., assignor to National Engine and Packing Company, Fort Smith, Ark. Duplex rotary engine. No. 1,049,615; Jan. 7; Gaz. vol. 186; p. 103.
- Slemenda, Charles. (See Steinbrenner and Slemenda.)
- Sleppy, Hayden H. (See Smith, Brooks, Bowman, and Sleppy.)
- Slesazack, Paul, Berlin, assignor to G. Pickert, Stralsund, Germany. Rotary pump. No. 1,076,711; Oct. 28; Gaz. vol. 195; p. 842.
- Slette, Ole, Barrett, Minn. Litter-carrier. No. 1,065,976; July 1; Gaz. vol. 192; p. 26.
- Sletto, Oscar K., and W. J. Shannon, Bend, Oreg. Vehicle-wheel. No. 1,058,006; Apr. 1; Gaz. vol. 189; p. 209.
- Slick, Edwin E., Pittsburgh, Pa. Treating steel car-wheels. No. 1,055,672; Mar. 11; Gaz. vol. 188; p. 377.
- Slick, Edwin E., Pittsburgh, Pa. Composite rail. No. 1,060,371; Apr. 29; Gaz. vol. 189; p. 1179.
- Slick, Edwin E., Pittsburgh, Pa. Gas-engine. No. 1,076,846; Oct. 28; Gaz. vol. 195; p. 889.
- Slick, Edwin E., Westmont, Pa. Cooling-bed. No. 1,076,166; Oct. 21; Gaz. vol. 195; p. 596.
- Slick, Edwin E., Westmont borough, Pa. Rail-joint. No. 1,078,220; Nov. 11; Gaz. vol. 196; p. 368.
- Slinack, Victor H., assignor to Pennsylvania Globe Gas Light Company, Philadelphia, Pa. Inverted incandescent gas-burner. No. 1,072,781; Sept. 9; Gaz. vol. 194; p. 409.
- Slinde, Hans N. (See Anderson, John N., assignor.)
- Slingsby Manfg. Co. Ltd. (See Clark, Walter A., assignor.)
- Sloan, Elmer L., Joplin, Mo. Automatic burglar-proof sash-lock. No. 1,077,312; Nov. 4; Gaz. vol. 196; p. 25.
- Sloan, Emanuel H., Jr., Corona, N. Mex. Animal-trap. No. 1,056,714; Mar. 18; Gaz. vol. 188; p. 766.
- Sloan, Francis E., assignor to The O. K. Manufacturing & Stamping Company, Baltimore, Md. Bed-riser. No. 1,061,695; May 13; Gaz. vol. 190; p. 426.
- Sloan, Francis E., assignor to The O. K. Manufacturing & Stamping Company, Baltimore, Md. Bed-riser. No. 1,077,944; Nov. 4; Gaz. vol. 196; p. 242.
- Sloan, Harry E. (See Loveland and Sloan.)
- Sloan, Ira L. (See Mitchell and Sloan.)
- Sloan, James I., Kansas City, Mo. Oil-burner. No. 1,072,265; Sept. 2; Gaz. vol. 194; p. 201.
- Sloan, John T., and A. G. English, Wichita, Kans. Theft-detector for electric meters. No. 1,066,856; July 8; Gaz. vol. 192; p. 360.
- Sloan, William J., Chicago, Ill. Reinforced concrete construction. No. 1,052,696; Feb. 11; Gaz. vol. 187; p. 323.
- Sloan, William P., Knoxville, Tenn. Ruling-machine. No. 1,055,816; Mar. 11; Gaz. vol. 188; p. 427.
- Slocomb, Charles E., assignor to F. F. Slocomb & Co., Incorporated, Wilmington, Del. Leather-seasoning machine. No. 1,082,244; Dec. 23; Gaz. vol. 197; p. 890.
- Slocum, John C., Chicago, Ill., assignor to The Commercial Bank and Savings Company, Bowling Green, Ohio. Tool-adjusting mechanism. No. 1,049,616; Jan. 7; Gaz. vol. 186; p. 103.
- Sloderbeck, Martin C., assignor of one-third to E. E. Leapley and one-third to W. A. Leapley, Marion, Ind. Automatic deraller. No. 1,062,192; May 20; Gaz. vol. 190; p. 631.
- Sloderbeck, Martin C., assignor of one-third to E. E. Leapley and one-third to W. A. Leapley, Marion, Ind. Automatic double lock. No. 1,080,787; Dec. 9; Gaz. vol. 197; p. 333.
- Slokar, Michael, Zara, Austria-Hungary. Rail-joint. No. 1,051,023; Jan. 21; Gaz. vol. 186; p. 652.
- Slomke, Charles E. (See Grant and Slomke.)
- Slonecker, Abiram J., Trenton, Mo. Insulator or support. No. 1,065,737; June 24; Gaz. vol. 191; p. 977.
- Sloss, Aaron M. (See Malmstrom, Peter E., assignor.)
- Slosson, James S., New Brighton, assignor to C. L. Miller & Co., New York, N. Y. Wire tie for bags, bales, bundles, and packages. No. 1,076,245; Oct. 21; Gaz. vol. 195; p. 623.
- Slosson, James S., New Brighton, assignor, by mesne assignments, to J. P. Curry Mfg. Co., Inc., New York, N. Y. Bag separating and feeding appliance. No. 1,081,705; Dec. 16; Gaz. vol. 197; p. 676.
- Slover, James S., Lubbock, Tex. Pump and windmill connection. No. 1,067,848; July 22; Gaz. vol. 192; p. 767.
- Slowik, Josef, Chicago, Ill. Curtain-pole. No. 1,055,090; Mar. 4; Gaz. vol. 188; p. 149.
- Sluby, Thomas B., Canonsburg, Pa. Milk-bottle stopper. No. 1,052,289; Feb. 4; Gaz. vol. 187; p. 153.
- Slusher, Joseph T., Sabetha, Kans. Veterinary medicine. No. 1,074,655; Oct. 7; Gaz. vol. 195; p. 24.
- Slusser, Edwin J., Freeland, Pa. Rail-joint. No. 1,061,333; May 13; Gaz. vol. 190; p. 299.
- Slusser, James F., Jackson, Idaho. Hay-knife. No. 1,082,363; Dec. 23; Gaz. vol. 197; p. 932.
- Slutz, Harmon V., Chicago, Ill. Railway-tie. No. 1,053,659; Feb. 18; Gaz. vol. 187; p. 697.
- Slutzky, Morris R. (See Ossofs and Slutzky.)
- Slyfield, Elmer E. (See Mayo, Robert D., assignor.)
- Smack, Charles E. (See Rowe, Smack, and Theberath.)
- Smack, Edith L., administratrix. (See Rowe, William J.)
- Smail, William D., Kansas City, Mo. Billiard-cue tip. No. 1,050,860; Jan. 21; Gaz. vol. 186; p. 594.
- Smale, William A. J. (See Sutch, Alfred J., assignor.)
- Small, Charles G., Hartford, Conn. Grinding-machine. No. 1,063,222; June 3; Gaz. vol. 191; p. 18.
- Small, Chester C., Newton, Mass., assignor to United Shoe Machinery Company, Paterson, N. J. Sole for boots or shoes. No. 1,061,415; May 13; Gaz. vol. 190; p. 327.
- Small, Chester C., Newton, Mass., assignor to United Shoe Machinery Company, Paterson, N. J. Preparing soles for boots or shoes. No. 1,061,416; May 13; Gaz. vol. 190; p. 327.
- Small, Henry M., Melrose, Mass. Lock. No. 1,062,512; May 20; Gaz. vol. 190; p. 738.
- Small, Howard, *et al.* (See Smith, John W., assignor.)
- Small, James W., Rochester, N. Y. Machine for vending and registering tickets. No. 1,060,291; Apr. 29; Gaz. vol. 189; p. 1151.
- Small, Nichols & Co. (See Nichols, Charles H., assignor.)
- Small, Richard E., *et al.* (See Griffin, Thomas J., assignor.)
- Smallman, James W., Nuneaton, England. Endless-rope haulage. No. 1,059,777; Apr. 22; Gaz. vol. 189; p. 935.
- Smallman, James W., Blackdown, near Leamington, England. Haulage-clip. No. 1,077,436; Nov. 4; Gaz. vol. 196; p. 69.
- Smallwood, Alfred, administrator. (See Smallwood, Leonard A.)
- Smallwood, Alfred, London, England. Rotary furnace or fire-box. No. 1,079,151; Nov. 18; Gaz. vol. 196; p. 723.
- Smallwood, James L., Coffeyville, Kans. Ice-tongs and scale. No. 1,059,083; Apr. 15; Gaz. vol. 189; p. 664.
- Smallwood, Leonard A., deceased, Birmingham, England; A. Smallwood, administrator. Metallurgical furnace. No. 1,082,828; Dec. 30; Gaz. vol. 197; p. 1126.
- Smallwood, Leonard A., deceased, Birmingham, England; A. Smallwood, administrator. Heat-diffuser for boiler-flues. No. 1,082,829; Dec. 30; Gaz. vol. 197; p. 1126.
- Smart, George M., *et al.* (See Gundersen, Gilbert S., assignor.)
- Smart, Harry G., St. Cloud, Minn. Tie-plug machine. (Reissue.) No. 13,579; June 17; Gaz. vol. 191; p. 802.
- Smart, Henry G., Portsmouth, England. Apparatus for carbonating liquids. No. 1,054,800; Mar. 4; Gaz. vol. 188; p. 51.
- Smart, Joseph F. (See Lamb and Smart.)
- Smart, Turence P., assignor of one-third to A. Schwartz, Philadelphia, Pa. Heating system. No. 1,050,397; Jan. 14; Gaz. vol. 186; p. 400.
- Smartt, Brinay, Indianapolis, Ind. Wheel. No. 1,052,290; Feb. 4; Gaz. vol. 187; p. 153.
- Smathers, James F., Kansas City, Mo. Type-writing machine. No. 1,077,005; Oct. 28; Gaz. vol. 195; p. 946.
- Smay, Joseph B., Jr., assignor of one-third to W. P. Schultz and one-third to P. J. W. Hoagland, Pittsburgh, Pa. Tractable means for motor-driven vehicles. No. 1,077,101; Oct. 28; Gaz. vol. 195; p. 977.
- Smedberg, Oscar L., Jamestown, N. Y. Valve. No. 1,055,673; Mar. 11; Gaz. vol. 188; p. 377.
- Smedley, Joseph H., Narberth, Pa. Push-button switch. No. 1,079,271; Nov. 18; Gaz. vol. 196; p. 761.
- Smelser, Albert S., Anderson, Ind. Wire-wiping machine. No. 1,073,297; Sept. 16; Gaz. vol. 194; p. 630.
- Smethurst, Herbert, Hollinwood, England, assignor to W. Firth, Chestnut Hill, Mass. Dust-remover for carding-machines. No. 1,065,179; June 17; Gaz. vol. 191; p. 748.
- Smido, Leonard, New Rochelle, N. Y. Tire. No. 1,067,768; July 15; Gaz. vol. 192; p. 707.
- Smiley, Cassius C., Indianapolis, Ind. Egg-carton. No. 1,072,185; Sept. 2; Gaz. vol. 194; p. 176.
- Smiley, John N., Manassas, Ga. Stalk-cutter. No. 1,059,320; Apr. 15; Gaz. vol. 189; p. 744.
- Smilovetz, Abraham, Chicago, Ill. Scouring and finishing tool. No. 1,067,280; July 15; Gaz. vol. 192; p. 542.

Alphabetical list of patentees—Continued.

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- Smith, Abraham, Erie, Pa. Type setting and distributing machine. No. 1,050,495; Jan. 14; Gaz. vol. 186; p. 437.
- Smith, Abraham, Erie, Pa. Record-making machine. No. 1,050,496; Jan. 14; Gaz. vol. 186; p. 437.
- Smith, Abraham, Erie, Pa. Type-setting and type-distributing machine. No. 1,077,493; Nov. 4; Gaz. vol. 196; p. 90.
- Smith, Abram E., Brooklyn, N. Y. Railway-car-truck bolster. No. 1,073,178; Sept. 16; Gaz. vol. 194; p. 587.
- Smith, Adolphus G., Punnichy, Saskatchewan, Canada. Rail-joint support. No. 1,074,475; Sept. 30; Gaz. vol. 194; p. 1081.
- Smith, Albert C., Moccasin, Ill. Stovepipe-end lock. No. 1,051,461; Jan. 28; Gaz. vol. 186; p. 832.
- Smith, Albert H., Birmingham, England. Feed mechanism for machine-tools. No. 1,057,097; Mar. 25; Gaz. vol. 188; p. 930.
- Smith, Albert H., assignor to H. F. Walrow, New York, N. Y. Folding cross. No. 1,052,980; Feb. 11; Gaz. vol. 187; p. 420.
- Smith, Albert W. (See Smith, Sterling W. and A. W.)
- Smith, Albert W., Oakland, and S. W. Smith, Berkeley, Cal. Bed. No. 1,059,497; Apr. 22; Gaz. vol. 189; p. 843.
- Smith, Aleksander E., Jersey City, and L. Zeglenski, Bayonne, N. J. Antirefillable bottle. No. 1,062,045; May 20; Gaz. vol. 190; p. 580.
- Smith, Alexander, Goliad, Tex. Harrow attachment. No. 1,076,070; Oct. 21; Gaz. vol. 195; p. 564.
- Smith, Alexander H., Glasgow, Scotland. Apparatus for separating minerals. No. 1,056,952; Mar. 25; Gaz. vol. 188; p. 879.
- Smith, Alexander H., Glasgow, Scotland. Ore mixing and separating apparatus. No. 1,058,111; Apr. 8; Gaz. vol. 189; p. 290.
- Smith, Alexander P., Macon, Ga. Pocket-knife. No. 1,049,931; Jan. 7; Gaz. vol. 186; p. 207.
- Smith, Alfred J., Chicago, Ill. Device for rocking children's cradles. No. 1,069,196; Aug. 5; Gaz. vol. 193; p. 38.
- Smith, Allen H., *et al.* (See De Force, George I., assignor.)
- Smith, Alva B., assignor to Simplicity Shade Adjuster Co., Inc., Memphis, Tenn. Shade-support. No. 1,073,000; Sept. 9; Gaz. vol. 194; p. 491.
- Smith, Alvin U. (See Schmidt and Smith.)
- Smith, Andrew, assignor to Smith Metal Perforating Company, San Mateo, Cal. Corrugated metal casing for culverts, drainage-tiling, &c. No. 1,049,542; Jan. 7; Gaz. vol. 186; p. 77.
- Smith, Andrew, assignor to Smith Metal Perforating Company, San Mateo, Cal. Corrugated sheet-metal sectional casing for culverts, drainage-casings, &c. No. 1,049,543; Jan. 7; Gaz. vol. 186; p. 77.
- Smith, Andrew, assignor to Smith Metal Perforating Company, San Mateo, Cal. Sheet-metal casing for culverts, conduits, and drainage-tiling. No. 1,049,544; Jan. 7; Gaz. vol. 186; p. 77.
- Smith, Andrew, assignor to Smith Metal Perforating Company, San Mateo, Cal. Constructing and cementing wells. No. 1,050,244; Jan. 14; Gaz. vol. 186; p. 347.
- Smith, Andrew, assignor to Smith Metal Perforating Company, San Mateo, Cal. Sheet-metal casing for drainage culverts, conduits, screens, wells, &c. No. 1,055,674; Mar. 11; Gaz. vol. 188; p. 378.
- Smith, Andrew, assignor to Smith Metal Perforating Company, San Mateo, Cal. Making plates for well and drainage casings. No. 1,055,675; Mar. 11; Gaz. vol. 188; p. 378.
- Smith, Andrew, assignor to Smith Metal Perforating Company, San Mateo, Cal. Sheet-metal casing for drainage culverts, conduits, screens, &c. No. 1,057,098; Mar. 25; Gaz. vol. 188; p. 930.
- Smith, Andrew, assignor to Smith Metal Perforating Company, San Mateo, Cal. Sheet-metal casing for culverts, conduits, &c. No. 1,057,505; Apr. 1; Gaz. vol. 189; p. 37.
- Smith, Andrew, San Mateo, assignor to Smith Metal Perforating Company, San Mateo county, Cal. Drainage-casing. No. 1,062,303; May 20; Gaz. vol. 190; p. 670.
- Smith, Andrew M., Petersburg, Va. Cushion-tire. No. 1,050,861; Jan. 21; Gaz. vol. 186; p. 595.
- Smith, Anna H., *et al.* (See Smith and Hummel, assignors.)
- Smith, Arthur, and C. Southall, Birmingham, England. Weighing-machine. No. 1,059,226; Apr. 15; Gaz. vol. 189; p. 712.
- Smith, Arthur O., Lakemp, Okla. Spring-wheel. No. 1,068,457; July 29; Gaz. vol. 192; p. 1015.
- Smith, Arthur P., assignor of one-fourth to G. G. Tierney, Minneapolis, Minn. Furnace. No. 1,052,760; Feb. 11; Gaz. vol. 187; p. 344.
- Smith, Arthur W. (See Farnham, Smith, and Phelps.)
- Smith, Arthur W., New York, assignor to Yost Writing Machine Company, Ilion, N. Y. Type-writing machine. No. 1,050,245; Jan. 14; Gaz. vol. 186; p. 347.
- Smith, Arthur W., New York, assignor to Yost Writing Machine Company, Ilion, N. Y. Type-writing machine. No. 1,052,524; Feb. 11; Gaz. vol. 187; p. 265.
- Smith, Arthur W., New York, assignor to Yost Writing Machine Company, Ilion, N. Y. Type-writing machine. No. 1,053,139; Feb. 11; Gaz. vol. 187; p. 476.
- Smith, Arthur W., New York, assignor to Yost Writing Machine Company, Ilion, N. Y. Type-writing machine. No. 1,054,874; Mar. 4; Gaz. vol. 188; p. 76.
- Smith, Arthur W., New York, assignor, by mesne assignments, to Remington Typewriter Company, Ilion, N. Y. Type-writing machine. No. 1,060,292; Apr. 29; Gaz. vol. 189; p. 1151.
- Smith, Arthur W., New York, assignor, by mesne assignments, to Remington Typewriter Company, Ilion, N. Y. Type-writing machine. No. 1,061,639; May 13; Gaz. vol. 190; p. 406.
- Smith, Axel T., Sioux City, Iowa. Automatic railway signal and stop. No. 1,066,538; July 8; Gaz. vol. 192; p. 250.
- Smith, Beldin C., Detroit, Mich. Bolt-fastening. No. 1,077,006; Oct. 28; Gaz. vol. 195; p. 947.
- Smith, Beldin C., and D. Horvitz, Detroit, Mich. Vehicle top-support. No. 1,077,007; Oct. 28; Gaz. vol. 195; p. 947.
- Smith, Ben R., assignor to Smith Repeatstop Company, Chicago, Ill. Sound-reproducing instrument. No. 1,060,955; May 6; Gaz. vol. 190; p. 136.
- Smith, Ben R., assignor to Smith Repeatstop Company, Chicago, Ill. Sound-reproducing instrument. No. 1,062,369; May 20; Gaz. vol. 190; p. 691.
- Smith, Benjamin M., Cleveland, Ohio. Storage-battery truck. No. 1,067,625; July 15; Gaz. vol. 192; p. 659.
- Smith, Benjamin M., Monroe, Ind. Stovepipe-fastener. No. 1,068,281; July 22; Gaz. vol. 192; p. 916.
- Smith, Bernard E., Pondercreek, Okla. Lifting device. No. 1,067,381; July 15; Gaz. vol. 192; p. 576.
- Smith, Billy H., Marshfield, Oreg. Attachment for barbers' chairs. No. 1,061,334; May 13; Gaz. vol. 190; p. 299.
- Smith, Blake, Dubois, Pa. Musical device. No. 1,052,525; Feb. 11; Gaz. vol. 187; p. 265.
- Smith, Cecil B. (See Griswold and Smith.)
- Smith, Cecil B., Cleveland, Ohio. Rotary drier. No. 1,072,186; Sept. 2; Gaz. vol. 194; p. 176.
- Smith, Cecil R., *et al.* (See Moore, Llewellyn C., assignor.)
- Smith, Charles, Duluth, Minn. Wagon-brake. No. 1,068,458; July 29; Gaz. vol. 192; p. 1015.
- Smith, Charles A., Scalp Level, Pa. Pipe-coupling. No. 1,068,943; July 29; Gaz. vol. 192; p. 1185.
- Smith, Charles A., Scalp Level, Pa. Self-leveling table. No. 1,081,339; Dec. 16; Gaz. vol. 197; p. 557.
- Smith, Charles B., Terra Alta, W. Va. Horse-detacher. No. 1,074,476; Sept. 30; Gaz. vol. 194; p. 1081.
- Smith, Charles C. (See Galvin and Dupart, assignors.)
- Smith, Charles E., Oak Lawn, R. I. Machine for depositing metallic leaf upon book-covers or the like. No. 1,053,445; Feb. 18; Gaz. vol. 187; p. 625.
- Smith, Charles E., Paterson, N. J. Flying-machine. No. 1,062,572; May 20; Gaz. vol. 190; p. 757.
- Smith, Charles E., Paterson, N. J. Flying-machine. No. 1,080,726; Dec. 9; Gaz. vol. 197; p. 311.
- Smith, Charles E., Saginaw, Mich. Bean-sorting machine. No. 1,067,447; July 15; Gaz. vol. 192; p. 598.
- Smith, Charles E., New York, N. Y., assignor to Union Typewriter Company, Jersey City, N. J. Type-writing machine. No. 1,052,099; Feb. 4; Gaz. vol. 187; p. 88.
- Smith, Charles E., New York, N. Y., assignor to Union Typewriter Company, Jersey City, N. J. Type-writing machine. No. 1,054,875; Mar. 4; Gaz. vol. 188; p. 77.
- Smith, Charles E., New York, N. Y., assignor to Union Typewriter Company, Jersey City, N. J. Type-writing machine. No. 1,057,013; Mar. 25; Gaz. vol. 188; p. 900.
- Smith, Charles E., Bridgeport, Conn., assignor to The Walker Tire Chain Company, Toledo, Ohio. Chain mat for wheel-tires. No. 1,065,084; June 17; Gaz. vol. 191; p. 719.
- Smith, Charles E., assignor of one-fourth to G. R. Meyer, Saginaw, Mich. Roll for bean-picking machines. No. 1,072,665; Sept. 9; Gaz. vol. 194; p. 369.
- Smith, Charles E., assignor of one-fourth to G. R. Meyer, Saginaw, Mich. Bean-picking machine. No. 1,079,805; Nov. 25; Gaz. vol. 196; p. 979.
- Smith, Charles F., Los Angeles, Cal. Nail-stripper. No. 1,051,282; Jan. 21; Gaz. vol. 186; p. 739.
- Smith, Charles F., New Britain, Conn. Tableware. No. 1,080,661; Dec. 9; Gaz. vol. 197; p. 289.
- Smith, Charles F., Bridgeport, Conn., assignor to Mercantile Corporation, New York, N. Y. Envelop-printing mechanism. No. 1,051,353; Jan. 21; Gaz. vol. 186; p. 762.
- Smith, Charles F., Bridgeport, Conn., assignor to Mercantile Corporation, New York, N. Y. Cutting mechanism. No. 1,067,626; July 15; Gaz. vol. 192; p. 659.
- Smith, Charles F., Bridgeport, Conn., assignor to Howland Bag and Paper Company, Dexter, N. Y. Cutting mechanism. No. 1,071,473; Aug. 26; Gaz. vol. 193; p. 914.

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- Smith, Charles F., and J. Robertson, Dutchess Junction, N. Y. Clamp. No. 1,051,771; Jan. 28; Gaz. vol. 186; p. 935.
- Smith, Charles G. (See Smith, Harry W. and C. G.)
- Smith, Charles H., assignor to Rockford Folding Carriage Company, Rockford, Ill. Child's folding carriage. No. 1,053,325; Feb. 18; Gaz. vol. 187; p. 583.
- Smith, Charles H., and C. F. Adams, Chicago, Ill. Motorcycle lock. No. 1,062,744; May 27; Gaz. vol. 190; p. 855.
- Smith, Charles J., Altoona, Iowa. Sleet-cutter. No. 1,057,179; Mar. 25; Gaz. vol. 188; p. 957.
- Smith, Charles P., assignor of one-third to W. A. Robinson, Leadvale, Tenn. Clothes-washing machine. No. 1,065,473; June 24; Gaz. vol. 191; p. 888.
- Smith, Charles S., Providence, R. I. Fabric belt. No. 1,071,594; Aug. 26; Gaz. vol. 193; p. 955.
- Smith, Charles W., Bedford, Ohio. Supporting device for two-wheeled vehicles. No. 1,054,045; Feb. 25; Gaz. vol. 187; p. 865.
- Smith, Charles W., Grove City, Pa. Frying-pan. No. 1,076,167; Oct. 21; Gaz. vol. 195; p. 597.
- Smith, Charles W. R., Medina, Ohio. Roofing-shingle. No. 1,064,020; June 10; Gaz. vol. 191; p. 326.
- Smith, Charley M., Leesburg, Ohio. Metallic tie. No. 1,069,484; Aug. 5; Gaz. vol. 193; p. 139.
- Smith, Clarence F., Racine, Wis. Hose-supporter. No. 1,074,985; Oct. 7; Gaz. vol. 195; p. 134.
- Smith, Clark, Mount Vernon, assignor to H. L. Reynolds, Seattle, Wash. Stump-burner. No. 1,065,738; June 24; Gaz. vol. 191; p. 977.
- Smith, Clark J., assignor to The Hardsocg Wonder Drill Company, Ottumwa, Iowa. Rotating mechanism for rock-drills. No. 1,061,788; May 13; Gaz. vol. 190; p. 454.
- Smith, Clifton A., New Orleans, La. Tire-protector. No. 1,064,100; June 10; Gaz. vol. 191; p. 353.
- Smith, Clinton H., East Orange, N. J. Cuff. No. 1,080,380; Dec. 2; Gaz. vol. 197; p. 164.
- Smith, Cyril A., Attleboro, Mass. Mesh-bag and making the same. No. 1,074,904; Oct. 7; Gaz. vol. 195; p. 107.
- Smith, Daniel C., and F. M. Hummel; said Smith assignor to A. H. and S. E. Smith, Des Moines, Iowa. Ozone-producing machine. No. 1,063,167; May 27; Gaz. vol. 190; p. 996.
- Smith, David M., Sewickley, assignor to Diamond Forging & Manufacturing Company, Pittsburgh, Pa. Whiffletree and coupling therefor. No. 1,066,441; July 1; Gaz. vol. 192; p. 186.
- Smith, David W., Kansas City, Kans. Dauber. No. 1,071,964; Sept. 2; Gaz. vol. 194; p. 100.
- Smith, David W., Kansas City, Kans. Dauber. No. 1,071,965; Sept. 2; Gaz. vol. 194; p. 100.
- Smith, Drum & Company. (See Fearon, Thomas E., assignor.)
- Smith, Drum and Company. (See Skitt, James H., assignor.)
- Smith, Dudley, Benton, Ill. Excavating attachment for motor-vehicles. No. 1,059,227; Apr. 15; Gaz. vol. 189; p. 713.
- Smith, Dudley, Stuart Company, The. (See Dudley, Job, assignor.)
- Smith, Earl W., Anthon, Iowa. Door-stay. No. 1,055,817; Mar. 11; Gaz. vol. 188; p. 427.
- Smith, Edgar D., Elizabeth, N. J. Spring-wheel. No. 1,073,368; Sept. 16; Gaz. vol. 194; p. 656.
- Smith, Edgar M., New York, N. Y., assignor to O. R. Barnett, Chicago, Ill. Anticreeper. No. 1,078,562; Nov. 11; Gaz. vol. 196; p. 484.
- Smith, Edmund S., and F. J. Tone, assignors to The Carborundum Company, Niagara Falls, N. Y. Silicon-carbid article and making the same. No. 1,058,800; Apr. 15; Gaz. vol. 189; p. 564.
- Smith, Edward C., Duluth, Minn. Life-saving garment. No. 1,056,374; Mar. 18; Gaz. vol. 188; p. 648.
- Smith, Edward F., Rochester, N. Y. Meat-holder for slicing-machines. No. 1,049,932; Jan. 7; Gaz. vol. 186; p. 207.
- Smith, Edward H., assignor of one-half to W. H. Hartman, Cleveland, Ohio. Support for conduit-cables. No. 1,079,445; Nov. 25; Gaz. vol. 196; p. 851.
- Smith, Edward M. (See Guy and Smith.)
- Smith, Edward W. (See Steinmetz and Smith.)
- Smith, Edward W., Philadelphia, Pa. Secondary or storage battery. No. 1,054,801; Mar. 4; Gaz. vol. 188; p. 51.
- Smith, Edwin R., Buffalo, N. Y. Meat-cutting machine. No. 1,069,485; Aug. 5; Gaz. vol. 193; p. 139.
- Smith, Elberon D., Brooklyn, assignor to American Machine & Foundry Company, New York, N. Y. Pasting mechanism for cigarette-machines. No. 1,075,272; Oct. 7; Gaz. vol. 195; p. 237.
- Smith, Elberon D., Brooklyn, assignor to American Machine & Foundry Company, New York, N. Y. Cigarette-rod-forming mechanism. No. 1,075,273; Oct. 7; Gaz. vol. 195; p. 238.
- Smith, Elberon D., Brooklyn, assignor to American Machine & Foundry Company, New York, N. Y. Cut-off mechanism for cigarette-machines. No. 1,075,274; Oct. 7; Gaz. vol. 195; p. 238.
- Smith, Eleanor A., *et al.* (See Smith, Warren, assignor.)
- Smith, Eli D., *et al.* (See De Force, George I., assignor.)
- Smith, Elmer E., Lewistown, Pa. Metal-cutting-off device. No. 1,073,873; Sept. 23; Gaz. vol. 194; p. 851.
- Smith, Elmer S., Boundbrook, N. J., assignor, by mesne assignments, to International Accessories Manufacturing Company, Wilmington, Del. Carbureter. No. 1,065,977; July 1; Gaz. vol. 192; p. 26.
- Smith, Elmer S., Boundbrook, N. J., assignor, by mesne assignments, to International Accessories Manufacturing Company, Wilmington, Del. Carbureter. No. 1,074,577; Sept. 30; Gaz. vol. 194; p. 1113.
- Smith, Elsworth J., Hastings, Iowa. Animal-oiling device. No. 1,057,588; Apr. 1; Gaz. vol. 189; p. 65.
- Smith, Ernest N., Wausau township, Chase county, Kans. Fender for hay-rakes. No. 1,080,125; Dec. 2; Gaz. vol. 197; p. 73.
- Smith, Ernest W. (See Merritt, Joseph, assignor.)
- Smith, Ezra B., Chicago, Ill. Lever-button. No. 1,074,905; Oct. 7; Gaz. vol. 195; p. 108.
- Smith, Felix J., Findlay, Ohio. Disinfecting apparatus. No. 1,075,164; Oct. 7; Gaz. vol. 195; p. 198.
- Smith, Forrest G., Fitchburg, Mass. Automobile-skid. No. 1,082,449; Dec. 23; Gaz. vol. 197; p. 959.
- Smith, Francis M., Seattle, Wash. Combination tie-plate, rail-anchor, and rail-brace. No. 1,070,926; Aug. 19; Gaz. vol. 193; p. 697.
- Smith, Francis M., Seattle, Wash., and G. E. Johnson, Chicago, Ill. Rail-bucking apparatus. No. 1,058,801; Apr. 15; Gaz. vol. 189; p. 564.
- Smith, Frank, Quick, W. Va. Nut-lock. No. 1,072,666; Sept. 9; Gaz. vol. 194; p. 369.
- Smith, Frank C., Minneapolis, Minn. Expansion-tank. No. 1,067,492; July 15; Gaz. vol. 192; p. 614.
- Smith, Frank G., Elizabeth, N. J. Appliance for securing rails upon the ties of a railway. No. 1,082,977; Dec. 30; Gaz. vol. 197; p. 1177.
- Smith, Frank H., assignor of one-half to S. H. Jones, Parsons, Kans. Blow-off cock. No. 1,070,741; Aug. 19; Gaz. vol. 193; p. 639.
- Smith, Frank J. (See McKay and Smith.)
- Smith, Frank L., Chicago, Ill., and T. B. Williams, assignors to Leavitt Machine Company, Orange, Mass. Chuck. No. 1,080,727; Dec. 9; Gaz. vol. 197; p. 311.
- Smith, Frank R., Toronto, Ontario, Canada. Machine for stemming cherries. No. 1,076,794; Oct. 28; Gaz. vol. 195; p. 871.
- Smith, Frank W., Rochester, N. H. Horseshoe. No. 1,053,886; Feb. 18; Gaz. vol. 187; p. 773.
- Smith, Franklin, Dallas, Iowa. Trap. No. 1,062,126; May 20; Gaz. vol. 190; p. 609.
- Smith, Franklin P. (See Smith, James D., assignor.)
- Smith, Fred, Stamford, Conn., assignor, by mesne assignments, to The Aristos Company. Attachment for shock-absorbers. No. 1,066,763; July 8; Gaz. vol. 192; p. 331.
- Smith, Frederick A., Chicago, Ill. Plotting device. No. 1,065,560; June 24; Gaz. vol. 191; p. 917.
- Smith, Frederick C. (See Parker, Frank O., assignor.)
- Smith, Frederick C., assignor to The Waterbury Mfg. Co., Waterbury, Conn. Collapsible drinking-cup. No. 1,053,660; Feb. 18; Gaz. vol. 187; p. 698.
- Smith, Frederick C., assignor to The Waterbury Mfg. Co., Waterbury, Conn. Portable electric lamp. No. 1,068,088; July 22; Gaz. vol. 192; p. 848.
- Smith, Frederick H., San Francisco, assignor to J. L. Tisdale, Alameda, Cal. Fortune telling and recording machine. No. 1,054,994; Mar. 4; Gaz. vol. 188; p. 116.
- Smith, Frederick J., assignor to R. A. Smith, Haverhill, Mass. Shoe. No. 1,066,857; July 8; Gaz. vol. 192; p. 360.
- Smith, Fredrick H., Pittsburg, Kans. Lubricated hub-plate. No. 1,058,478; Apr. 8; Gaz. vol. 189; p. 416.
- Smith, Gary B., Chicago, Ill. Corrugated link for wire fabric. No. 1,079,806; Nov. 25; Gaz. vol. 196; p. 980.
- Smith, George A., J. E. Brooks, G. E. Bowman, and H. H. Sleppy, Wilmington, Cal. Propeller. No. 1,057,891; Apr. 1; Gaz. vol. 189; p. 170.
- Smith, George C., and O. A. Kraft, Buffalo, N. Y. Belt-shifter. No. 1,070,073; Aug. 12; Gaz. vol. 193; p. 366.
- Smith, George E., Meriden, Conn. Table-cutlery. No. 1,055,091; Mar. 4; Gaz. vol. 188; p. 150.
- Smith, George F. (See Kilbourn and Smith.)
- Smith, George F., Philadelphia, Pa. Lock. No. 1,062,513; May 20; Gaz. vol. 190; p. 738.
- Smith, George H. (See Walter, Bruce, assignor.)
- Smith, George H., Reliance, S. D. Car-door. No. 1,082,450; Dec. 23; Gaz. vol. 197; p. 959.
- Smith, George H., Worcester, Mass., assignor to The American Steel and Wire Company of New Jersey, Hoboken, N. J. Machine for making wire fabric. No. 1,050,246; Jan. 14; Gaz. vol. 186; p. 348.
- Smith, George P., assignor of one-half to W. H. Sturges, St. Louis, Mo. Lock for automobile clutch-levers. No. 1,066,539; July 8; Gaz. vol. 192; p. 251.
- Smith, George W. (See Smith, William T., assignor.)

Alphabetical list of patentees—Continued.

- Smith, George W., *et al.* (See Tinker and Boothroyd, assignors.)
- Smith, George W., St. Louis, Mo. Protecting-housing for cutting mechanisms. No. 1,058,339; Apr. 8; Gaz. vol. 189; p. 370.
- Smith, George W., Cloverdale, Ind. Vise. No. 1,075,506; Oct. 14; Gaz. vol. 195; p. 344.
- Smith, George W., assignor to The Ingersoll Milling Machine Company, Rockford, Ill. Variable-speed gearing. No. 1,066,764; July 8; Gaz. vol. 192; p. 331.
- Smith, George W., assignor to The Ingersoll Milling Machine Company, Rockford, Ill. Milling-machine. No. 1,081,932; Dec. 16; Gaz. vol. 197; p. 753.
- Smith, Gertrude, Valdosta, Ga. Roaster or baker. No. 1,051,283; Jan. 21; Gaz. vol. 186; p. 739.
- Smith, Goodwin B., Philadelphia, Pa. Combined corset-cover and bust-ruffles. No. 1,062,858; May 27; Gaz. vol. 190; p. 894.
- Smith, Grant W., Chattanooga, Tenn. Rock-drill. No. 1,076,246; Oct. 21; Gaz. vol. 195; p. 623.
- Smith, H. T. (See Jones, Edward S., assignor.)
- Smith, Harold B., Worcester, Mass., assignor, by mesne assignments, to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Electrical apparatus. No. 1,062,046; May 20; Gaz. vol. 190; p. 581.
- Smith, Harold B., Worcester, Mass., assignor to Westinghouse Electric and Manufacturing Company. Coil for electrical apparatus. No. 1,082,563; Dec. 30; Gaz. vol. 197; p. 1032.
- Smith, Harold E., *et al.* (See Kadow, Otto F., assignor.)
- Smith, Harry, Harpers Ferry, Iowa. Means for producing and controlling pneumatic pressure. No. 1,064,557; June 10; Gaz. vol. 191; p. 509.
- Smith, Harry C., Manila, Philippine Islands. Winged-pier quay-wall. No. 1,075,229; Oct. 7; Gaz. vol. 195; p. 221.
- Smith, Harry F., assignor of one-half to G. J. Hooper, Richmond, Va. Life-saving apparatus. No. 1,068,459; July 29; Gaz. vol. 192; p. 1016.
- Smith, Harry W. and C. G., assignors to Nickerson Art Metal Company, Pawtucket, R. I. Link-mesh machine. No. 1,078,317; Nov. 11; Gaz. vol. 196; p. 402.
- Smith, Harry W. and C. G., assignors to Nickerson Art Metal Company, Providence, R. I. Link-mesh machine. No. 1,078,318; Nov. 11; Gaz. vol. 196; p. 403.
- Smith & Hemenway Co. (See Sidon, Maximilian, assignor.)
- Smith, Henry. (See Parker, Fred G., assignor.)
- Smith, Henry, La Junta, Colo. Door-latch. No. 1,061,878; May 13; Gaz. vol. 190; p. 482.
- Smith, Henry, Chicago, Ill. Awning. No. 1,075,385; Oct. 14; Gaz. vol. 195; p. 304.
- Smith, Henry A., Elgin, Ill. Wrench of the adjustable alligator type. No. 1,062,047; May 20; Gaz. vol. 190; p. 581.
- Smith, Henry C., Detroit, Mich. Shears for cutting metal. No. 1,063,298; June 3; Gaz. vol. 191; p. 44.
- Smith, Henry C., Oak Park, assignor to Allith Manufacturing Company, Chicago, Ill. Door-hanger track. No. 1,074,021; Sept. 23; Gaz. vol. 194; p. 901.
- Smith, Henry D., Mansfield, Mass. Coffee and tea strainer. No. 1,076,795; Oct. 28; Gaz. vol. 195; p. 871.
- Smith, Henry M. (See Rotter and Smith.)
- Smith, Herbert, Yonkers, N. Y. Self-adjustable hat-retainer. No. 1,072,266; Sept. 2; Gaz. vol. 194; p. 201.
- Smith, Herbert K., Jamaica, N. Y., assignor to Abbott Coin Counter Company, Wilmington, Del. Coin-counting machine. No. 1,080,381; Dec. 2; Gaz. vol. 197; p. 164.
- Smith, Herbert L., Clinton, assignor to Clinton Wire Cloth Company, Boston, Mass. Machine for electrically welding wire fabrics. No. 1,069,197; Aug. 5; Gaz. vol. 193; p. 38.
- Smith, Herbert M. (See Stanley and Smith.)
- Smith, Herbert U., Columbus, Ohio. Driving-belt. No. 1,053,748; Feb. 18; Gaz. vol. 187; p. 729.
- Smith, Hinsdale, Springfield, Mass. Foldable vehicle-top. No. 1,066,230; July 1; Gaz. vol. 192; p. 117.
- Smith, Hiram A., Paw Paw, Mich. Molding-machine. No. 1,055,424; Mar. 11; Gaz. vol. 188; p. 296.
- Smith, Howard F. (See Simpson, Charles M., assignor.)
- Smith, Howard H. (See Bushfield, William M., assignor.)
- Smith, Huntington, Dedham, Mass. Device for electrocuting animals. No. 1,075,386; Oct. 14; Gaz. vol. 195; p. 304.
- Smith, Huntington, Boston, Mass. Apparatus for electrocuting animals. No. 1,075,995; Oct. 14; Gaz. vol. 195; p. 511.
- Smith, Huntington, Jr. (See Catlin, Ephron, Jr., assignor.)
- Smith, Ira, Grayslake, Ill. Lantern-stand plate. No. 1,059,321; Apr. 15; Gaz. vol. 189; p. 745.
- Smith, Ira, Grayslake, Ill. Foot-warmer. No. 1,060,642; May 6; Gaz. vol. 190; p. 26.
- Smith, Irvine M., Tillamook, Oreg. Clutch-controller. No. 1,050,571; Jan. 14; Gaz. vol. 186; p. 463.
- Smith, James, Wall, Pa. Protector for cutting tools. No. 1,069,486; Aug. 5; Gaz. vol. 193; p. 140.
- Smith, James, Oakland, Cal. Fruit-press. No. 1,077,437; Nov. 4; Gaz. vol. 196; p. 70.
- Smith, James A., Fate, Tex. Cotton-blocker. No. 1,058,479; Apr. 8; Gaz. vol. 189; p. 416.
- Smith, James A., Carthage, Ill. Road-scraper. No. 1,066,332; July 1; Gaz. vol. 192; p. 152.
- Smith, James D., Orland, Cal. Sanitary drinking-trough. No. 1,054,463; Feb. 25; Gaz. vol. 187; p. 1008.
- Smith, James D., Orland, Cal. Wheel-stand. No. 1,069,824; Aug. 12; Gaz. vol. 193; p. 283.
- Smith, James D., assignor of one-half to F. P. Smith, Chicago, Ill. Clenching-machine. No. 1,051,284; Jan. 21; Gaz. vol. 186; p. 739.
- Smith, James D., assignor to F. P. Smith, Chicago, Ill. Machinery for weaving metal fabric. No. 1,065,561; June 24; Gaz. vol. 191; p. 917.
- Smith, James F., Phoenix, Ariz. Windmill-controlling mechanism. No. 1,056,598; Mar. 18; Gaz. vol. 188; p. 728.
- Smith, James F., Charlotte, N. C. Automatic packer mechanism for cotton-presses. No. 1,074,022; Sept. 23; Gaz. vol. 194; p. 902.
- Smith, James H., assignor of one-third to J. W. Burnes, Port Arthur, Tex. Safety oil-tank. No. 1,060,643; May 6; Gaz. vol. 190; p. 27.
- Smith, James M., Montgomery Creek, Cal. Miter-box and saw-guide. No. 1,054,876; Mar. 4; Gaz. vol. 188; p. 77.
- Smith, James M., Philadelphia, assignor of one-half to C. A. Magruder, Bryn Mawr, Pa. Muffler for engines. No. 1,053,661; Feb. 18; Gaz. vol. 187; p. 698.
- Smith, James M., Philadelphia, assignor of one-half to C. A. Magruder, Bryn Mawr, Pa. Muffler. No. 1,059,644; Apr. 22; Gaz. vol. 189; p. 890.
- Smith, James M., Philadelphia, assignor of one-half to C. A. Magruder, Bryn Mawr, Pa. Interrupter device for ignition systems. No. 1,064,176; June 10; Gaz. vol. 191; p. 379.
- Smith, James M., Philadelphia, assignor of one-half to C. A. Magruder, Bryn Mawr, Pa. Current distributor and timer. No. 1,064,177; June 10; Gaz. vol. 191; p. 380.
- Smith, James M., Philadelphia, assignor of one-half to C. A. Magruder, Bryn Mawr, Pa. Timer and distributing device. No. 1,080,788; Dec. 9; Gaz. vol. 197; p. 334.
- Smith, James M. and J. H., Fairchild, Wis. Potato-paring machine. No. 1,064,558; June 10; Gaz. vol. 191; p. 509.
- Smith, James R., Kildonan, Winnipeg, Manitoba, Canada. Rail-chair. No. 1,058,802; Apr. 15; Gaz. vol. 189; p. 564.
- Smith, James R., Mechanicsville, N. Y. Brick-kiln. No. 1,069,487; Aug. 5; Gaz. vol. 193; p. 140.
- Smith, James R., Mechanicsville, N. Y. Supporting-bracket. No. 1,069,488; Aug. 5; Gaz. vol. 193; p. 140.
- Smith, James U., Berkeley, Cal. Signaling device for estimating distances. No. 1,075,949; Oct. 14; Gaz. vol. 195; p. 494.
- Smith, Jesse R., Benton, Ill. Railway-tie renewer. No. 1,081,162; Dec. 9; Gaz. vol. 197; p. 458.
- Smith, Jesse W., *et al.* (See Rosson, Oliver O., assignor.)
- Smith, Jessie J., Hiram, Ohio. Playing-cards. No. 1,057,892; Apr. 1; Gaz. vol. 189; p. 170.
- Smith, John, St. Louis, Mo. Combination suit-case. No. 1,056,130; Mar. 18; Gaz. vol. 188; p. 567.
- Smith, John, assignor to Draper Company, Hopedale, Mass. Automatically-threading shuttle. No. 1,074,656; Oct. 7; Gaz. vol. 195; p. 24.
- Smith, John A. (See Laganke and Smith.)
- Smith, John A., Philadelphia, Pa. Flower-stand. No. 1,073,874; Sept. 23; Gaz. vol. 194; p. 851.
- Smith, John A., assignor to Elliott-Fisher Company, Harrisburg, Pa. Back-spacing mechanism for type-writing machines. No. 1,052,526; Feb. 11; Gaz. vol. 187; p. 266.
- Smith, John B., near Knoxville, Tenn. Concrete-mixture bucket. No. 1,062,613; May 27; Gaz. vol. 190; p. 813.
- Smith, John C. (See Harter and Smith.)
- Smith, John C., assignor to American Machine Company, Louisville, Ky. Electric-motor controller for elevators. No. 1,055,292; Mar. 4; Gaz. vol. 188; p. 212.
- Smith, John D., San Jose, Ill. Acetylene-gas generator. No. 1,059,228; Apr. 15; Gaz. vol. 189; p. 713.
- Smith, John E. (See Lodge, Albert, assignor.)
- Smith, John G., Welland, Ontario, Canada. Clam-shell bucket. No. 1,055,425; Mar. 11; Gaz. vol. 188; p. 297.
- Smith, John H. (See Smith, James M. and J. H.)
- Smith, John L. (See Schneeloch and Smith.)
- Smith, John L., Azle, Tex. Egg-tester. No. 1,056,953; Mar. 25; Gaz. vol. 188; p. 879.
- Smith, John L., Harriman, assignor to G. F. Lyman, Knoxville, Tenn. Tipple. No. 1,070,299; Aug. 12; Gaz. vol. 193; p. 447.
- Smith, John L., Wartburg, assignor to G. F. Lyman, Harriman, Tenn. Turn-table. No. 1,075,230; Oct. 7; Gaz. vol. 195; p. 221.
- Smith, John O., Moberly, Mo. Concealed cigar holder and mouthpiece. No. 1,061,696; May 13; Gaz. vol. 190; p. 427.

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- Smith, John P. (See Wright and Smith.)
- Smith, John R., Stella, Mo. Fly-trap. No. 1,057,291; Mar. 25; Gaz. vol. 188; p. 995.
- Smith, John R., Stella, Mo. Fly-paper holder. No. 1,080,382; Dec. 2; Gaz. vol. 197; p. 165.
- Smith, John R., Bradford, assignor of one-half to H. E. Beece, Hyde Park, Mass. Washing apparatus. No. 1,075,734; Oct. 14; Gaz. vol. 195; p. 422.
- Smith, John R. T., and S. Duty, Stamps, Ark. Crude-oil burner. No. 1,053,662; Feb. 13; Gaz. vol. 187; p. 699.
- Smith, John T., assignor of one-half to J. A. Quinn, Oberlin, Kans. Belt-guide. No. 1,079,031; Nov. 18; Gaz. vol. 196; p. 682.
- Smith, John W., *et al.* (See Tatum, James W., assignor.)
- Smith, John W., Wendling, Oreg. Valve. No. 1,055,092; Mar. 4; Gaz. vol. 188; p. 150.
- Smith, John W., Chicago, Ill., assignor to H. Small and C. A. Duren, Philadelphia, Pa. Vacuum-cleaner. No. 1,077,008; Oct. 28; Gaz. vol. 195; p. 947.
- Smith, John W., Chicago, Ill., assignor to H. Small and C. A. Duren, Philadelphia, Pa. Vacuum-cleaner. No. 1,077,102; Oct. 28; Gaz. vol. 195; p. 977.
- Smith, Joseph A., Philadelphia, Pa. Toy fence. No. 1,049,933; Jan. 7; Gaz. vol. 186; p. 208.
- Smith, Joseph A., Wellsboro, Pa. Pipe-remover. No. 1,053,446; Feb. 18; Gaz. vol. 187; p. 625.
- Smith, Joseph A., Los Angeles, Cal. Combined ice-box and house-cooler. No. 1,069,489; Aug. 5; Gaz. vol. 193; p. 140.
- Smith, Joseph R., assignor to Waterbury Button Company, Waterbury, Conn. Chain construction. No. 1,059,913; Apr. 22; Gaz. vol. 189; p. 977.
- Smith, Joshua G., St. Paul, Minn. Candy-box. No. 1,063,894; June 3; Gaz. vol. 191; p. 247.
- Smith, Justus L., Colorado Springs, Colo. Mail-pouch fastener. No. 1,069,490; Aug. 5; Gaz. vol. 193; p. 141.
- Smith, Kirk D., Newport, N. H. Water-wheel. No. 1,073,824; Sept. 23; Gaz. vol. 194; p. 834.
- Smith, Kline & French Co. (See French, Harry B., assignor.)
- Smith, Lawrence W., and D. H. Francis, Grand Junction, Colo. Fruit-grading machine. No. 1,082,612; Dec. 30; Gaz. vol. 197; p. 1050.
- Smith, Leland D., Louisville, Ky. Graphite lubricator. No. 1,065,180; June 17; Gaz. vol. 191; p. 749.
- Smith, Leo C., assignor to Smith System Heating Company, Minneapolis, Minn. Heating and ventilating system. No. 1,067,201; July 8; Gaz. vol. 192; p. 478.
- Smith, Leonard S., *et al.* (See Canine, Chester W., assignor.)
- Smith, Lester E., assignor to Eureka Manufacturing and Sales Company, Inc., Cotton Plant, Ark. Sad-iron. No. 1,067,557; July 15; Gaz. vol. 192; p. 635.
- Smith, Lester G., Rochester, N. Y. Rotary engine. No. 1,062,193; May 20; Gaz. vol. 190; p. 632.
- Smith, Louis T. (See Smith, Theron A. and L. T.)
- Smith, Louis T., San Jose, Cal. Shoe-polishing device. No. 1,069,825; Aug. 12; Gaz. vol. 193; p. 284.
- Smith, Luther D., Detroit, Mich. Electric cooking apparatus. No. 1,068,706; July 29; Gaz. vol. 192; p. 1100.
- Smith, Luther K., Moberly, Mo., assignor to A. C. Buzby, Philadelphia, Pa. Journal-box. (Reissue.) No. 1,354,545; Mar. 11; Gaz. vol. 188; p. 488.
- Smith, Luther K., Moberly, Mo., assignor to A. C. Buzby, Philadelphia, Pa. Hub-liner for locomotive-journals. No. 1,074,752; Oct. 7; Gaz. vol. 195; p. 57.
- Smith, Luther K., Moberly, Mo., assignor to A. C. Buzby, Philadelphia, Pa. Grease-holder for journal-boxes. No. 1,079,446; Nov. 25; Gaz. vol. 196; p. 851.
- Smith, Marjorie F., Redlands, Cal. Detachable bed-guard. No. 1,062,127; May 20; Gaz. vol. 190; p. 609.
- Smith, Martin P., assignor to W. F. Sweet, St. Louis, Mo. Street-car advertising apparatus. No. 1,080,728; Dec. 9; Gaz. vol. 197; p. 312.
- Smith, Martin W., Enid, Okla. Combination rake, scoop, and scraper. No. 1,050,305; Jan. 14; Gaz. vol. 186; p. 368.
- Smith, Martin W., Enid, Okla. Combination ironing-board and step-ladder. No. 1,058,202; Apr. 8; Gaz. vol. 189; p. 322.
- Smith, Marvin B., Spencer, W. Va. Gas-burner. No. 1,067,069; July 8; Gaz. vol. 192; p. 432.
- Smith, Mary E., Sacramento, Cal. Sewing-machine attachment. No. 1,068,537; July 29; Gaz. vol. 192; p. 1041.
- Smith Metal Perforating Company. (See Smith, Andrew, assignor.)
- Smith, Michael H., Kansas City, Mo. Adjustable shelf mechanism. No. 1,062,556; May 20; Gaz. vol. 190; p. 751.
- Smith, Morris F., Philadelphia, Pa. Razor. No. 1,064,101; June 10; Gaz. vol. 191; p. 353.
- Smith, Morris F., Philadelphia, Pa. Firearm. No. 1,077,103; Oct. 28; Gaz. vol. 195; p. 978.
- Smith, Morton C. (See Bryant and Smith.)
- Smith, Myrtle. (See Smith and Royer, assignors.)
- Smith, Norman J., Philadelphia, Pa. Non-refillable bottle. No. 1,051,285; Jan. 21; Gaz. vol. 186; p. 740.
- Smith, Oberlin, Bridgeton, N. J. Gang punching-press. No. 1,062,995; May 27; Gaz. vol. 190; p. 939.
- Smith, Orbin F. (See Lindgren and Smith.)
- Smith, Orbin F., Moline, Ill., assignor to Moline Plow Company. Hay-loader. No. 1,054,322; Feb. 25; Gaz. vol. 187; p. 958.
- Smith, Oscar A., assignor to The National-Acme Manufacturing Company, Cleveland, Ohio. Nut-tapping machine. No. 1,056,065; Mar. 18; Gaz. vol. 188; p. 545.
- Smith, Oscar A., assignor to The National-Acme Manufacturing Company, Cleveland, Ohio. Metal-working machine. No. 1,056,066; Mar. 18; Gaz. vol. 188; p. 545.
- Smith, Oscar A., assignor to The National-Acme Manufacturing Company, Cleveland, Ohio. Die. No. 1,057,014; Mar. 25; Gaz. vol. 188; p. 900.
- Smith, Oscar L. (See McCleary and Harnly, assignors.)
- Smith, Otto B. (See Fyfe, Samuel G., assignor.)
- Smith, Paul H., Columbus, Ohio. Liquid-measuring device. No. 1,079,522; Nov. 25; Gaz. vol. 196; p. 878.
- Smith, Paul S., Newburgh, N. Y. Internal-combustion engine. No. 1,073,640; Sept. 23; Gaz. vol. 194; p. 770.
- Smith, Perry W., Paris, Mo. Agricultural implement. No. 1,076,461; Oct. 21; Gaz. vol. 195; p. 700.
- Smith, Peter H. (See Schabacker and Smith.)
- Smith, Peter J., *et al.* (See Thulin, John, assignor.)
- Smith, Philip C. (See Ineson and Smith.)
- Smith, Philip S., Philadelphia, Pa. Package-wrapping machine. No. 1,068,460; July 29; Gaz. vol. 192; p. 1016.
- Smith & Phillips Manufacturing Company. (See McCullough, William H., assignor.)
- Smith Premier Typewriter Company, The. (See Barr, John H., assignor.)
- Smith Premier Typewriter Company, The. (See Barrett, Glenn J., assignor.)
- Smith Premier Typewriter Company, The. (See Briggs, Arthur J., assignor.)
- Smith, Ralph D., Cordell, Okla. Dirigible light. No. 1,064,389; June 10; Gaz. vol. 191; p. 452.
- Smith, Ralph T., Reno, Nev. Electric contact and indicator. No. 1,078,172; Nov. 11; Gaz. vol. 196; p. 351.
- Smith, Reginald G., and E. N. Percy, Oakland, Cal. Orchard-heater. No. 1,077,009; Oct. 28; Gaz. vol. 195; p. 948.
- Smith Repeatostop Company. (See Smith, Ben R., assignor.)
- Smith, Reuben S., Marshall, Tex. Electric-heated steering-rim. No. 1,062,745; May 27; Gaz. vol. 190; p. 856.
- Smith, Reuben S., Marshall, Tex. Electric-heated steering-wheel. No. 1,082,830; Dec. 30; Gaz. vol. 197; p. 1127.
- Smith, Reuben S., Milwaukee, Wis. Roller-bearing. No. 1,072,667; Sept. 9; Gaz. vol. 194; p. 369.
- Smith, Richard J., and D. M. Baker, Dublin, Ireland. Machine for sowing seeds in drills. No. 1,072,368; Sept. 2; Gaz. vol. 194; p. 237.
- Smith, Robert, and R. Stephenson, Indiana Harbor, Ind. Heating-furnace. No. 1,052,183; Feb. 4; Gaz. vol. 187; p. 118.
- Smith, Robert C., Oak Park, Ill. Liquid-level indicator. No. 1,075,510; Oct. 14; Gaz. vol. 195; p. 345.
- Smith, Robert E., Battle Creek, Mich. Clevis-hook. No. 1,054,046; Feb. 25; Gaz. vol. 187; p. 866.
- Smith, Robert H., Boston, Mass. Blue-print holder or drawing-holder. No. 1,061,335; May 13; Gaz. vol. 190; p. 300.
- Smith, Robert L., Bessemer, Ala. Stovepipe-cleaner. No. 1,069,826; Aug. 12; Gaz. vol. 193; p. 284.
- Smith, Robert P., G. E. Drum, and J. H. Skitt, Philadelphia, Pa. Dyeing-machine. No. 1,077,762; Nov. 4; Gaz. vol. 196; p. 180.
- Smith, Robert W. J., Huntsville, Tex. Mechanism for converting reciprocating into rotary motion. No. 1,063,839; June 3; Gaz. vol. 191; p. 230.
- Smith, Rollyn R., Oklahoma, assignor to G. Y. Bird, Pawhuska, Okla. Spring-hammer. No. 1,075,950; Oct. 14; Gaz. vol. 195; p. 495.
- Smith, Rosa A. (See Smith, Frederick J., assignor.)
- Smith, Roy H., Cleveland, Ohio. Vehicle spring-support. No. 1,070,548; Aug. 19; Gaz. vol. 193; p. 574.
- Smith, Russell C., Chicago, Ill. Convertible car-seat. No. 1,060,293; Apr. 29; Gaz. vol. 189; p. 1152.
- Smith, S. S. (See Turbeville, De Kalb, assignor.)
- Smith, Samuel E., *et al.* (See Tinker and Boothroyd, assignors.)
- Smith, Samuel M., Chicago, Ill. Soil-pipe fitting. No. 1,081,633; Dec. 16; Gaz. vol. 197; p. 653.
- Smith, Samuel P., St. Paris, Ohio. Ice-creeper attachment for horseshoes. No. 1,075,870; Oct. 14; Gaz. vol. 195; p. 467.
- Smith, Saville. (See Buckley, Ernest, assignor.)
- Smith, Seamer S., Osage, Iowa. Controlling-valve. No. 1,071,474; Aug. 26; Gaz. vol. 193; p. 915.
- Smith & Son Company, Lee S. (See Vernon, James B., assignor.)
- Smith, Stephen P., Berkeley, and C. W. Keiver, Oakland, Cal. Carbureter. No. 1,064,102; June 10; Gaz. vol. 191; p. 353.
- Smith, Stephen P., Berkeley, and C. W. Keiver, Oakland, Cal. Electric air-compressor. No. 1,064,103; June 10; Gaz. vol. 191; p. 354.

Alphabetical list of patentees—Continued.

- Smith, Stephen T., Jr., Stamford, Conn., assignor to Underwood Typewriter Company, New York, N. Y. Stenciling-machine. No. 1,056,715; Mar. 18; Gaz. vol. 188; p. 767.
- Smith, Stephen T., Jr., Stamford, Conn., assignor to Underwood Typewriter Company, New York, N. Y. Stenciling-machine. No. 1,064,672; June 10; Gaz. vol. 191; p. 548.
- Smith, Sterling W. (See Smith, Albert W. and S. W.)
- Smith, Sterling W. and A. W., Berkeley, Cal. Mounting for wall-beds and the like. No. 1,062,261; May 20; Gaz. vol. 190; p. 655.
- Smith, Sydney H., Providence, R. I. Milk-bottle closure. No. 1,059,577; Apr. 22; Gaz. vol. 189; p. 870.
- Smith, Sylvia E., *et al.* (See Smith and Hummel, assignors.)
- Smith System Heating Company. (See Smith, Leo C., assignor.)
- Smith, Taylor J., Union City, Ga. Combined fertilizer-distributor and planter. No. 1,066,858; July 8; Gaz. vol. 192; p. 361.
- Smith, Thaddeus S., Indianapolis, Ind. Air-valve for radiators. No. 1,051,970; Feb. 4; Gaz. vol. 187; p. 43.
- Smith, Theodore L., Brooklyn, N. Y. Refrigerator. No. 1,058,639; Apr. 8; Gaz. vol. 189; p. 470.
- Smith, Theron A. and L. T., San Jose, Cal. Shoe-polishing device. No. 1,068,827; July 29; Gaz. vol. 192; p. 1145.
- Smith, Theron A. and L. T., San Jose, Cal. Shoe-polishing device. No. 1,076,071; Oct. 21; Gaz. vol. 195; p. 564.
- Smith, Theron A. and L. T., San Jose, Cal. Shoe-polishing device. No. 1,078,173; Nov. 11; Gaz. vol. 196; p. 351.
- Smith, Thomas. (See Caldwell and Smith.)
- Smith, Thomas. (See Crawford, Andrew, assignor.)
- Smith, Thomas, Salt Lake City, Utah. Water-supply apparatus. No. 1,051,168; Jan. 21; Gaz. vol. 186; p. 702.
- Smith, Thomas, assignor of one-half to G. T. Sharpton, San Luis Potosi, Mexico. Journal-box for cars. No. 1,060,956; May 6; Gaz. vol. 190; p. 137.
- Smith, Thomas L., Milwaukee, Wis. Rock-crusher. No. 1,050,398; Jan. 14; Gaz. vol. 186; p. 400.
- Smith, Thomas L., Milwaukee, Wis. Concrete-mixer. No. 1,051,971; Feb. 4; Gaz. vol. 187; p. 43.
- Smith, Thomas L., Milwaukee, Wis. Rock-crusher. No. 1,071,362; Aug. 26; Gaz. vol. 193; p. 879.
- Smith, Thomas L., Milwaukee, Wis. Rock-crusher. No. 1,075,507; Oct. 14; Gaz. vol. 195; p. 344.
- Smith, Thomas L., assignor to The T. L. Smith Company, Milwaukee, Wis. Concrete-mixer. No. 1,058,803; Apr. 15; Gaz. vol. 189; p. 564.
- Smith, Thomas L., assignor to The T. L. Smith Company, Milwaukee, Wis. Concrete-mixer. No. 1,069,491; Aug. 5; Gaz. vol. 193; p. 141.
- Smith, Vincent P., Gillingham, England. Anchor. No. 1,081,163; Dec. 9; Gaz. vol. 197; p. 459.
- Smith, Vincent W. J., Edinburgh, Scotland. Automatic coupling for railway-carriages, wagons, and the like. No. 1,073,535; Sept. 16; Gaz. vol. 194; p. 711.
- Smith, Walter, Chicago, Ill. Door-stop. No. 1,081,634; Dec. 16; Gaz. vol. 197; p. 653.
- Smith, Walter E. (See Homan and Smith.)
- Smith, Walter H., assignor to The Harris Automatic Press Company, Niles, Ohio. Printing-press. No. 1,050,862; Jan. 21; Gaz. vol. 186; p. 595.
- Smith, Walter H., assignor to The Harris Automatic Press Company, Niles, Ohio. Printing-press. No. 1,056,131; Mar. 18; Gaz. vol. 188; p. 568.
- Smith, Walter H., assignor to The Harris Automatic Press Company, Niles, Ohio. Means for coupling feeders or the like to printing-presses. No. 1,079,370; Nov. 25; Gaz. vol. 196; p. 827.
- Smith, Walter O., Petaluma, Cal. Vehicle-spring. No. 1,050,863; Jan. 21; Gaz. vol. 186; p. 595.
- Smith, Walton D., assignor of one-third to F. L. Adams and one-third to J. A. Firman, Prophetstown, Ill. Tag. No. 1,057,362; Mar. 25; Gaz. vol. 188; p. 1017.
- Smith, Warren, assignor of one-fourth to A. B. Thompson, one-fourth to E. A. Smith, and three-sixteenths to E. C. Wallace, Sapulpa, Okla. Clutch. No. 1,082,657; Dec. 30; Gaz. vol. 197; p. 1065.
- Smith, Watson R., Jackson, Mich. Seat-cushion retainer. No. 1,074,986; Oct. 7; Gaz. vol. 195; p. 134.
- Smith, Watson R., Jackson, Mich. Seat-cushion retainer. No. 1,075,165; Oct. 7; Gaz. vol. 195; p. 198.
- Smith Webbing Company. (See Howard, Albert S., assignor.)
- Smith, Wesley L., Pittsburgh, Pa. Antiseptic waste-cotton receiver. No. 1,050,178; Jan. 14; Gaz. vol. 186; p. 326.
- Smith, Wesley L., Pittsburgh, Pa. Tooth-brush holder. No. 1,050,864; Jan. 21; Gaz. vol. 186; p. 596.
- Smith, Wesley L., Pittsburgh, Pa. Ash tray or container. No. 1,071,363; Aug. 26; Gaz. vol. 193; p. 879.
- Smith, Wesley L., Pittsburgh, Pa. Apparatus for preserving organic substances. No. 1,073,641; Sept. 23; Gaz. vol. 194; p. 771.
- Smith & Wesson. (See Wesson, Joseph H., assignor.)
- Smith, Wilbur R., assignor to John Boyle & Company, New York, N. Y. Ventilator for feed-bags or the like. No. 1,050,865; Jan. 21; Gaz. vol. 186; p. 596.
- Smith, Willard A., Melrose, Mass., assignor to United Shoe Machinery Company, Paterson, N. J. Machine for lacing shoe-uppers. No. 1,075,508; Oct. 14; Gaz. vol. 195; p. 344.
- Smith, Willard A., Melrose, Mass., assignor to United Shoe Machinery Company, Paterson, N. J. Machine for lacing shoe-uppers. No. 1,075,511; Oct. 14; Gaz. vol. 195; p. 346.
- Smith, William A. (See Huss and Smith.)
- Smith, William A., assignor to International Acheson Graphite Company, Niagara Falls, N. Y. Method of treating carbon and apparatus therefor. No. 1,068,707; July 29; Gaz. vol. 192; p. 1101.
- Smith, William B., Gardena, Cal. Double water-scoop. No. 1,065,279; June 17; Gaz. vol. 191; p. 783.
- Smith, William D., Washington, D. C. Ordnance. No. 1,055,819; Mar. 11; Gaz. vol. 188; p. 428.
- Smith, William D., Washington, D. C. Ordnance. No. 1,055,820; Mar. 11; Gaz. vol. 188; p. 428.
- Smith, William D., Washington, D. C. Ordnance. No. 1,055,821; Mar. 11; Gaz. vol. 188; p. 428.
- Smith, William D., Washington, D. C. Ordnance. No. 1,055,822; Mar. 11; Gaz. vol. 188; p. 429.
- Smith, William D., Washington, D. C. Valve-controlling mechanism for ordnance-flushing devices. No. 1,055,823; Mar. 11; Gaz. vol. 188; p. 429.
- Smith, William D., Washington, D. C., assignor to W. D. Smith Ordnance Company, Pittsburgh, Pa. Ordnance. No. 1,073,298; Sept. 16; Gaz. vol. 194; p. 631.
- Smith, William D., Washington, D. C., assignor to W. D. Smith Ordnance Company, Pittsburgh, Pa. Ordnance. No. 1,073,299; Sept. 16; Gaz. vol. 194; p. 631.
- Smith, William E., Colorado City, Colo. Copy-holder. No. 1,060,795; May 6; Gaz. vol. 190; p. 78.
- Smith, William F. (See Eisenach and Smith.)
- Smith, William H. (See Thompson, Thomas, assignor.)
- Smith, William H., Gayhead, N. Y. Fire-escape. No. 1,056,747; Mar. 18; Gaz. vol. 188; p. 780.
- Smith, William H., South Pasadena, Cal. Lawn-sprinkler. No. 1,067,886; July 22; Gaz. vol. 192; p. 780.
- Smith, William H., Pittsburgh, Pa. Street or station indicator. No. 1,068,179; July 22; Gaz. vol. 192; p. 879.
- Smith, William H., and F. W. Guntton, London, England. Automatic musical instrument. No. 1,075,509; Oct. 14; Gaz. vol. 195; p. 345.
- Smith, William J., San Luis Obispo, Cal. Flume or conduit. No. 1,055,426; Mar. 11; Gaz. vol. 188; p. 297.
- Smith, William J., Urbana, Ill. Thermoregulator. No. 1,080,493; Dec. 2; Gaz. vol. 197; p. 201.
- Smith, William R., assignor to Buffalo Leather Co., Buffalo, N. Y. Gas-burner. No. 1,058,007; Apr. 1; Gaz. vol. 189; p. 209.
- Smith, William T. (See Doney, Frank, assignor.)
- Smith, William T., Philadelphia, Pa. Chenille-weft fur or pile combing device. No. 1,055,093; Mar. 4; Gaz. vol. 188; p. 150.
- Smith, William T., Philadelphia, Pa. Woven pile fabric. No. 1,070,851; Aug. 19; Gaz. vol. 193; p. 674.
- Smith, William T., Bolton, England. Tire. No. 1,065,978; July 1; Gaz. vol. 192; p. 27.
- Smith, William T., Bolton, England. Wheel for motor-cars and other vehicles. No. 1,079,995; Dec. 2; Gaz. vol. 197; p. 26.
- Smith, William T., assignor of one-half to G. W. Smith, Bellefontaine, Ohio. Tubular door-lock. No. 1,072,668; Sept. 9; Gaz. vol. 194; p. 370.
- Smith, William T., and C. C. Royer; said Royer assignor to M. Smith, Bellefontaine, Ohio. Tire. No. 1,061,204; May 6; Gaz. vol. 190; p. 221.
- Smith and Winchester Manufacturing Co., The. (See Simmons, Hermann I., assignor.)
- Smith, Wirt F., *et al.* (See Minor, Charles C., assignor.)
- Smithers, Herbert, *et al.*, executors. (See Smithers, Joseph P.)
- Smithers, John D. (See Pitluck and Smithers.)
- Smithers, Joseph P., deceased, Brooklyn, N. Y.; H. and W. Smithers, executors. Automatic starting device for explosive-engines. No. 1,066,424; July 1; Gaz. vol. 192; p. 180.
- Smithers, Joseph P., deceased, Brooklyn, N. Y.; H. and W. Smithers, executors. Automatic starting device for motors. No. 1,072,187; Sept. 2; Gaz. vol. 194; p. 177.
- Smithers, Walter, *et al.*, executors. (See Smithers, Joseph P.)
- Smithson, Ammi H., Prospect, Ohio. Land-roller. No. 1,051,924; Feb. 4; Gaz. vol. 187; p. 26.
- Smithson, George W., Madelia, Minn. Lamp-burner attachment. No. 1,051,644; Jan. 28; Gaz. vol. 186; p. 895.
- Smithurst, Percy A., London, England. Door closing and checking mechanism. No. 1,077,234; Oct. 28; Gaz. vol. 195; p. 1019.
- Smithwick, George A., Metaline Falls, Wash. Combination bed and couch. No. 1,063,613; June 3; Gaz. vol. 191; p. 153.
- Smithwick, George A., Metaline Falls, Wash. Combined club and flash-light. No. 1,066,540; July 8; Gaz. vol. 192; p. 251.
- Smoke Eliminator Syndicate Limited, The. (See Thomas, William L., assignor.)

Alphabetical list of patentees—Continued.

- Smolka, Franz, Vienna, Austria-Hungary. Manufacture of meat-like conserves. No. 1,078,807; Nov. 18; Gaz. vol. 196; p. 604.
- Smoot, Charles H., assignor to Rateau Battu Smoot Company, New York, N. Y. Centrifugal blower-wheel. No. 1,052,291; Feb. 4; Gaz. vol. 187; p. 153.
- Smoot, Charles H., assignor to Rateau Turbine Company, Chicago, Ill. Field-magnet and winding for electrical machines. No. 1,054,047; Feb. 25; Gaz. vol. 187; p. 866.
- Smoot, Charles H., Chicago, Ill., assignor, by mesne assignments, to Rateau Battu Smoot Company. Brush-holder for dynamos. No. 1,078,174; Nov. 11; Gaz. vol. 196; p. 352.
- Smouse, George E., Washington, D. C. Truck. No. 1,074,753; Oct. 7; Gaz. vol. 195; p. 58.
- Smyser, Louis B., assignor to The American Hardware Corporation, New Britain, Conn. Transom-operator. No. 1,065,181; June 17; Gaz. vol. 191; p. 749.
- Smyser, Louis B., assignor to The American Hardware Corporation, New Britain, Conn. Transom-operating means. No. 1,066,859; July 8; Gaz. vol. 192; p. 361.
- Smyser, Louis B., assignor to The American Hardware Corporation, New Britain, Conn. Transom-operator. No. 1,070,358; Aug. 12; Gaz. vol. 193; p. 465.
- Smyth Manufacturing Company, The. (See Reynolds, John R., assignor.)
- Smyth, Milton B., Holton, Kans. Truss. No. 1,051,286; Jan. 21; Gaz. vol. 186; p. 740.
- Smyth, Walter L., Vancouver, British Columbia, Canada. Saw-blade stretcher. No. 1,049,934; Jan. 7; Gaz. vol. 186; p. 208.
- Smyth, William H., Berkeley, Cal., assignor to Humphrey Gas Pump Company. Utilizing energy derived from rapid combustion. No. 1,064,178; June 10; Gaz. vol. 191; p. 380.
- Smyth, William H., Berkeley, Cal., assignor to Humphrey Gas Pump Company. Apparatus for utilizing energy derived from explosions. No. 1,064,179; June 10; Gaz. vol. 191; p. 381.
- Smyth, William O., Brilliant, Ohio. Bricklayer's gage-line. No. 1,075,166; Oct. 7; Gaz. vol. 195; p. 198.
- Smythe, Joseph B., Coaticook, Quebec, Canada. Lifting-jack. No. 1,079,371; Nov. 25; Gaz. vol. 196; p. 827.
- Smythe, William F., New York, N. Y. Antislipping device for horseshoes. No. 1,074,657; Oct. 7; Gaz. vol. 195; p. 24.
- Snapp, Ira B., Clifton Forge, Va. Electric alarm and signal for air-brakes. No. 1,052,184; Feb. 4; Gaz. vol. 187; p. 119.
- Snead and Company Iron Works, The. (See Macdonald, Harry P., assignor.)
- Snead and Company Iron Works, The. (See Macdonald and Roedell, assignors.)
- Snead, George W., Ringgold, La. Rotary engine. No. 1,068,282; July 22; Gaz. vol. 192; p. 916.
- Snedden, James, assignor of one-third to A. R. Murray, Wichita, Kans. Hydrocarbon-burning furnace. No. 1,063,077; May 27; Gaz. vol. 190; p. 966.
- Snedden, James, assignor of one-third to A. R. Murray, Wichita, Kans. Spray-burner. No. 1,079,272; Nov. 18; Gaz. vol. 196; p. 761.
- Snedden, Richard, Cleveland, Ohio. Gum-kneading machine. No. 1,055,824; Mar. 11; Gaz. vol. 188; p. 430.
- Sneddon, William, Del Rio, Tex. Fuel-oil-controlling valve. No. 1,062,614; May 27; Gaz. vol. 190; p. 814.
- Snedeker, James W., Adrian, Mich. Picket-forming machine. No. 1,056,225; Mar. 18; Gaz. vol. 188; p. 599.
- Snedeker, James W., Adrian, Mich. Farm-gate. No. 1,073,536; Sept. 16; Gaz. vol. 194; p. 711.
- Snee, John A. (See Feruckes, Gustave, assignor.)
- Snell, Arthur T., Pasadena, Cal. Pen or pencil holder. No. 1,053,663; Feb. 18; Gaz. vol. 187; p. 699.
- Snell, Charles S., London, England. Means for supplying stores or other articles to aerial craft. No. 1,070,197; Aug. 12; Gaz. vol. 193; p. 411.
- Snell, Joseph W., New York, N. Y., assignor to T. C. Snell, Saginaw, Mich. Swimming device. No. 1,051,169; Jan. 21; Gaz. vol. 186; p. 702.
- Snell, Thomas C. (See Snell, Joseph W., assignor.)
- Snell, William T., Bisbee, Ariz. Packing-box. No. 1,057,363; Mar. 25; Gaz. vol. 188; p. 1017.
- Snellenburg Clothing Company, The. (See Oppenheimer, Joseph E., assignor.)
- Snelling, John H., Newark, N. J. Ash-ejector. No. 1,073,445; Sept. 16; Gaz. vol. 194; p. 682.
- Snelling, Walter O., Pittsburgh, Pa. Mining implement. No. 1,071,270; Aug. 26; Gaz. vol. 193; p. 847.
- Snelling, Walter O., assignor to Americal Gasol Company, Pittsburgh, Pa. Refining natural-gas gasolene. No. 1,056,845; Mar. 25; Gaz. vol. 188; p. 841.
- Sneyd, William C., Sale, England. Vehicle-tire. No. 1,069,630; Aug. 5; Gaz. vol. 193; p. 186.
- Snider, Charles H., Conway, S. C. Lamp attachment. No. 1,049,416; Jan. 7; Gaz. vol. 186; p. 34.
- Snidow, Nellie J., Portland, Oreg. Folding or disappearing wall-bed. No. 1,059,914; Apr. 22; Gaz. vol. 189; p. 977.
- Snook, Henry J., Santa Monica, Cal. Flying-machine. No. 1,069,906; Aug. 12; Gaz. vol. 193; p. 311.
- Snouffer, Frank, Cedar Rapids, Iowa. Life-saving raft or buoy. No. 1,060,294; Apr. 29; Gaz. vol. 189; p. 1152.
- Snow, Albert J., and A. M. Kidd, Taft, Cal. Rotary underreamer. No. 1,049,774; Jan. 7; Gaz. vol. 186; p. 156.
- Snow, Charles, Newton, Cal. Smoke-consumer. No. 1,050,866; Jan. 21; Gaz. vol. 186; p. 596.
- Snow, David L. (See Biehl, John H., assignor.)
- Snow, Fred W., Bryantville, and A. B. Cummings, South Hanson, Mass. Sand-spreading device. No. 1,083,224; Dec. 30; Gaz. vol. 197; p. 1254.
- Snow, Isaac, assignor of one-half to H. Clough, Lawrence, Mass. Threading device for shuttles. No. 1,074,987; Oct. 7; Gaz. vol. 195; p. 135.
- Snow, Massena H. (See Rollins, Fred H., assignor.)
- Snowden, Archie, Bradford, assignor to Snowden Fibre Machinery Company Limited, London, England. Rag-tearing machine and fiber-opener and the like. No. 1,081,783; Dec. 16; Gaz. vol. 197; p. 704.
- Snowden Fibre Machinery Company Limited. (See Snowden, Archie, assignor.)
- Snyder, Adolph, et al. (See Paquet, Joseph, assignor.)
- Snyder, Almond H., Lancaster, and J. Starkenstein, New York, N. Y., assignors to Gould Storage Battery Company. Storage battery. No. 1,080,852; Dec. 9; Gaz. vol. 197; p. 358.
- Snyder, Augustus G., Utica, N. Y. Chafe-iron. No. 1,050,867; Jan. 21; Gaz. vol. 186; p. 597.
- Snyder, Augustus G., assignor of one-half to R. T. Thomas, Utica, N. Y. Type-writer. No. 1,070,549; Aug. 19; Gaz. vol. 193; p. 574.
- Snyder, Charles P., Mount Carmel, Pa. Shock-absorber. No. 1,059,402; Apr. 22; Gaz. vol. 189; p. 809.
- Snyder, David A., Jersey City, N. J. Antifriction-bearing for vehicle-wheels. No. 1,061,506; May 13; Gaz. vol. 190; p. 359.
- Snyder, Ernest G. (See Heile and Snyder.)
- Snyder, Harry. (See Hawley, Joel E., assignor.)
- Snyder, Harry W., Ford City, Pa. Machine for grinding shafting. No. 1,082,451; Dec. 23; Gaz. vol. 197; p. 960.
- Snyder, Herbert H. (See Welker and Snyder.)
- Snyder, Herbert S., Fairview, and R. Metz, Metz, W. Va. Cable-splice. No. 1,060,644; May 6; Gaz. vol. 190; p. 27.
- Snyder, Herbert T., Baltimore, Md. Bottle-sealing machine. No. 1,050,868; Jan. 21; Gaz. vol. 186; p. 597.
- Snyder, Howard F., Newton, Iowa, assignor to The Maytag Company. Gearing mechanism. No. 1,072,188; Sept. 2; Gaz. vol. 194; p. 177.
- Snyder, Howard F., Newton, Iowa, assignor to The Maytag Company. Gearing. No. 1,076,712; Oct. 28; Gaz. vol. 195; p. 842.
- Snyder, Jacob C., Listonburg, Pa. Pick. No. 1,060,141; Apr. 29; Gaz. vol. 189; p. 1097.
- Snyder, Jacob R., assignor to P. E. Donner, Pittsburgh, Pa. Engine-brake application and maintenance valve. No. 1,064,021; June 10; Gaz. vol. 191; p. 326.
- Snyder, Jacob R., assignor to P. E. Donner, Pittsburgh, Pa. Triple valve. No. 1,080,662; Dec. 9; Gaz. vol. 197; p. 289.
- Snyder, James C., Wabash, Ind. Burial-vault. No. 1,055,825; Mar. 11; Gaz. vol. 188; p. 430.
- Snyder, James O. (See Chrysler, William L., assignor.)
- Snyder, John E., Swissvale, assignor, by mesne assignments, to The Colonial Trust Company, trustee, Pittsburgh, Pa. Blading. No. 1,061,640; May 13; Gaz. vol. 190; p. 406.
- Snyder, John E., Swissvale, Pa., assignor to The Westinghouse Machine Company. Blading. No. 1,075,607; Oct. 14; Gaz. vol. 195; p. 379.
- Snyder, John G. (See Morgan and Snyder.)
- Snyder, John G., Altoona, Pa. Anchor-block and rail-fastening for railway-rails. No. 1,050,306; Jan. 14; Gaz. vol. 186; p. 369.
- Snyder, John S. (See Owen and Snyder.)
- Snyder, Jonathan S., Newport, Pa. Coat-closure. No. 1,079,807; Nov. 25; Gaz. vol. 196; p. 980.
- Snyder, Judson S. (See Levine, Louis, assignor.)
- Snyder, Lean F., et al. (See Maynard, Wyllis D., assignor.)
- Snyder, Lionel E. (See Welker and Snyder.)
- Snyder, Parke T., assignor of one-half to R. J. Beatty, Chicago, Ill. Flume. No. 1,082,564; Dec. 30; Gaz. vol. 197; p. 1032.
- Snyder, Paul S. (See Snyder, Phaon W. and P. S.)
- Snyder, Peter F., Duquesne, Pa. Portable circular saw. No. 1,057,180; Mar. 25; Gaz. vol. 188; p. 958.
- Snyder, Phaon W. and P. S., Wooster, Ohio. Automatic curve-showing headlight. No. 1,071,814; Sept. 2; Gaz. vol. 194; p. 51.
- Snyder, Thomas B., et al. (See Schieler, Harry H., assignor.)
- Snyder, William, et al. (See Schulte, Henry P., assignor.)
- Snyder, William D. (See Melchert and Snyder.)
- Snyder, William H., Ashbourne, Pa. Antiskidding device. No. 1,049,617; Jan. 7; Gaz. vol. 186; p. 103.
- Snyder, William H., Washington, D. C. Collapsible canopy-frame. No. 1,072,049; Sept. 2; Gaz. vol. 194; p. 129.

Alphabetical list of patentees—Continued.

- Snyder, William H., Ashbourne, assignor of one-fourth to L. C. Block, one-fourth to F. P. Hollinshead, and one-fourth to W. R. Walton, Elkins Park, Pa. Anti-skidding device for vehicle-wheels. No. 1,073,446; Sept. 16; Gaz. vol. 194; p. 683.
- Snyder, William P., Ashland, Pa. Self-pointing pencil. No. 1,066,333; July 1; Gaz. vol. 192; p. 152.
- Soapitor Sales Company. (See Evans and Kean, assignors.)
- Sobel, Marcus, San Francisco, Cal. Bed-post for brass or iron beds. No. 1,079,523; Nov. 25; Gaz. vol. 196; p. 878.
- Sobey, William, assignor to J. I. Case Plow Works, Racine, Wis. Plow. No. 1,056,465; Mar. 18; Gaz. vol. 188; p. 681.
- Soblik, Max, Dresden-Klotzsche, assignor to Soblik Schreibmaschinen Gesellschaft mit beschränkter Haftung, Düsseldorf, Germany. Pneumatic type-writer. No. 1,075,512; Oct. 14; Gaz. vol. 195; p. 346.
- Soblik, Max, Dresden-Klotzsche, assignor to Soblik Schreibmaschinen Gesellschaft mit beschränkter Haftung, Düsseldorf, Germany. Pneumatic printing mechanism for type-writers. No. 1,079,447; Nov. 25; Gaz. vol. 196; p. 852.
- Soblik, Max, Dresden-Klotzsche, assignor to Soblik Schreibmaschinen Gesellschaft mit beschränkter Haftung, Düsseldorf, Germany. Pneumatic type-writer. No. 1,080,853; Dec. 9; Gaz. vol. 197; p. 358.
- Soblik Schreibmaschinen Gesellschaft mit beschränkter Haftung. (See Soblik, Max, assignor.)
- Sobocienski, Stanislaus, Newark, N. J. Curtain-pole. No. 1,073,938; Sept. 23; Gaz. vol. 194; p. 874.
- Sobolewski, Amanda E., St. Louis, Mo. Game apparatus. No. 1,053,234; Feb. 18; Gaz. vol. 187; p. 551.
- Sobra, Marguerite L., Chicago, Ill. Corset. No. 1,061,697; May 13; Gaz. vol. 190; p. 427.
- Sobra, Marguerite L., New York, N. Y. Tackless window-shade. No. 1,073,447; Sept. 16; Gaz. vol. 194; p. 683.
- Sobra, Marguerite L., Chicago, Ill. Ash-sifter. No. 1,080,854; Dec. 9; Gaz. vol. 197; p. 358.
- Soccol, Celeste. (See Borsella and Soccol.)
- Sochor, Julius, Frohsdorf, near Wiener-Neustadt, Austria-Hungary. Work-holder for machines for striking chains of beads, balls, and the like. No. 1,052,852; Feb. 11; Gaz. vol. 187; p. 376.
- Societa Anonima Italiana Gio. Ansaldo Armstrong & Co. (See Giolitti, Federico, assignor.)
- Societa Italiana Per Il Carburio Di Calcio. (See Imperatori, Vittorio, assignor.)
- Société Alsacienne de Constructions Mécaniques. (See Lamboeuf, Charles, assignor.)
- Société Alsacienne de Constructions Mécaniques. (See Wenning, Jean C. A., assignor.)
- Societe Anonima Italiana Gio. Ansaldo Armstrong & Co. (See Giolitti, Federico, assignor.)
- Société Anonyme des Automobiles et Cycles Peugeot. (See Koechlin, Isaac, assignor.)
- Société Anonyme des Automobiles Delaunay-Belleville. The. (See Delaunay-Belleville, Louis M. G., assignor.)
- Societe Anonyme des Automobiles Peugeot. (See Caillet, Jules, assignor.)
- Société Anonyme des Etablissements Delaunay-Belleville. (See Delaunay-Belleville, Robert, assignor.)
- Société Anonyme des Etablissements Delaunay-Belleville. The. (See Lefer, Eugène E., assignor.)
- Societe Anonyme des Etablissements Ph. Bonvillain & E. Ronceray. (See Ronceray, Eugene, assignor.)
- Société Anonyme des Manufactures des Glaces et Produits Chimiques de Saint Gobain. (See Monnet, Georges H. J., assignor.)
- Societe Anonyme du Filtre Chamberland Systeme Pasteur. (See Grenet, Francisque P. J., assignor.)
- Société Anonyme l'Evolution Automobile (Brevets D & P). (See Damaizin and Pujos, assignors.)
- Société Anonyme Montbarbon. (See Loziano, Leon, assignor.)
- Société Anonyme "Oriona." (See Royer, Emile G., assignor.)
- Société Anonyme pour l'Exploitation des Brévets A. Dénéreaz. (See Dénéreaz, Auguste, assignor.)
- Société Anonyme Supertextile. (See Coulon, Emery, assignor.)
- Société d'Exploitation de Procédés Evaporatoires Systeme Prache et Bouillon. (See Prache, Charles L., assignor.)
- Société des Etablissements Côte. (See Côte, Cyrille, assignor.)
- Société des Etablissements Côte. (See Côte, Elysée, assignor.)
- Société des Etablissements Gaumont. (See Gaumont, Léon, assignor.)
- Société des Etablissements Malicet et Blin. (See Guillery, René, assignor.)
- Societe Electro-Metallurgique Francaise. (See Héroult, Paul L. T., assignor.)
- Société Fermière de l'Automatique Ducasble. (See Rondeau, René, assignor.)
- Société Française d'Exploitation de Fours spéciaux à haute température. (See Verzier, Antoine, assignor.)
- Société Générale des Engrais Organiques. (See Rouvre, Philippe B. de, assignor.)
- Société Générale des Nitrures. (See Serpek, Ottokar, assignor.)
- Société Générale Française des Caisses Payeuses et de Contrôle Systeme Janik. (See Janik, Edouard, assignor.)
- Société générale pour l'exploitation de la catalysine et autres produits pharmaceutiques. (See Viquerat, Alois, assignor.)
- Société H. Parra et Cie. (See Parra, Henri, assignor.)
- Société Harlé & Cie. (See Harlé, Emile, assignor.)
- Société Harlé & Cie. (See Matricardi, Giuseppe, assignor.)
- Société Houdaille & Sabot. (See Houdaille, Maurice, assignor.)
- Société Internationale de la Lampe Electrique O. R. (See Dobkevitch, Gaëtan, assignor.)
- Société L'Air Liquide (Societe Anonyme pour L'Etude et L'Exploitation des Procèdes Georges Claude.) (See Claude, Georges, assignor.)
- Société La Mondaine. (See Frenot, Ernest L., assignor.)
- Société La Peausserie Francaise. (See Ribot, Roger, assignor.)
- Société Nouvelle de la Buire Automobiles. (See Berthier, Michel, assignor.)
- Société Ribeyrolles & Cie. (See Henriod, Charles E., assignor.) (Reissue.)
- Society: Compagnie Generale de Phonographes, Cinematographes et Appareils de Precision. (See Ivatts, Ernest A., assignor.)
- Society: Compagnie Generale des Etablissements Pathe Freres, Phonographes et Cinematographes. (See Ivatts, Ernest A., assignor.)
- Society of Chemical Industry in Basle. (See Engi, Gadiet, assignor.)
- Society of Chemical Industry in Basle. (See Engi and Fröhlich, assignors.)
- Society of Chemical Industry in Basle. (See Preiswerk, Ernst, assignor.)
- Society of Chemical Industry in Basle. (See Preiswerk and Bernoulli, assignors.)
- Society of Chemical Industry in Basle. (See Steinbuch, Ewald, assignor.)
- Soden, Alfred J., Newark, N. J., assignor to Crucible Steel Company of America, Pittsburgh, Pa. Armor-piercing projectile. No. 1,059,403; Apr. 22; Gaz. vol. 189; p. 810.
- Soderberg, Lars W., Rockford, Ill. Wrench. No. 1,070,550; Aug. 19; Gaz. vol. 193; p. 575.
- Sodergren, Axel O. (See Sears and Sodergren.)
- Soeborg, Ludwig C. A. (See Nielsen, Borglin, and Soeborg.)
- Soeda, Sadami, Alameda, Cal. Water-heater. No. 1,077,648; Nov. 4; Gaz. vol. 196; p. 141.
- Soennichsen, John H., Dobbs Ferry, N. Y. Flat-iron cleaner and polisher. No. 1,054,048; Feb. 25; Gaz. vol. 187; p. 866.
- Sofio, Edward C., Hoboken, N. J., assignor to The Safety Car Heating & Lighting Company. Car-heating apparatus. No. 1,052,017; Feb. 4; Gaz. vol. 187; p. 60.
- Sohm, Alfred L., Los Angeles, Cal., assignor to Sohmm Electric Signal & Recording Company, Spokane, Wash. Electrical recording apparatus. No. 1,055,949; Mar. 11; Gaz. vol. 188; p. 470.
- Sohm, Alfred L., Los Angeles, Cal., assignor to The Sohmm Electric Signal & Recording Company, Spokane, Wash. Electric recording instrument. No. 1,075,513; Oct. 14; Gaz. vol. 195; p. 346.
- Sohm, Alfred L., Los Angeles, Cal., assignor to Sohmm Electric Signal & Recording Company, Chicago, Ill. Recording system and apparatus. No. 1,075,608; Oct. 14; Gaz. vol. 195; p. 379.
- Sohm, Alfred L., Los Angeles, Cal., assignor to Sohmm Electric Signal & Recording Company, Spokane, Wash. Printing-machine. No. 1,082,774; Dec. 30; Gaz. vol. 197; p. 1108.
- Sohmm Electric Signal & Recording Company. (See Sohmm, Alfred L., assignor.)
- Sohne and Company, Heinrich F. (See Leitgeb, Hans, assignor.)
- Sokolov, Jacob, assignor to Underwood Typewriter Company, New York, N. Y. Type-writing machine. No. 1,062,194; May 20; Gaz. vol. 190; p. 632.
- Sokolov, Jacob, assignor to Underwood Typewriter Company, New York, N. Y. Stenciling-machine. No. 1,075,735; Oct. 14; Gaz. vol. 195; p. 422.
- Sokolov, Jacob, assignor to The Follett Time Recording Company, New York, N. Y. Time-recorder. No. 1,074,069; Sept. 23; Gaz. vol. 194; p. 917.
- Sokolowski, Ernst, Hamburg, Germany, assignor to E. I. du Pont de Nemours Powder Company, Wilmington, Del. Casting explosive charges. No. 1,054,049; Feb. 25; Gaz. vol. 187; p. 867.
- Sokolowski, Ernst, Hamburg, Germany, assignor to E. I. du Pont de Nemours Powder Company, Wilmington, Del. Cast explosive charge. No. 1,054,147; Feb. 25; Gaz. vol. 187; p. 899.
- Sokolowski, Teofil, St. Louis, Mo. Pin clutch or guard. No. 1,056,306; Mar. 18; Gaz. vol. 188; p. 627.

Alphabetical list of patentees—Continued.

- Sokolowski, Teofil, assignor of one-half to E. F. Maritz, St. Louis, Mo. Balance-staff for watches. No. 1,075,387; Oct. 14; Gaz. vol. 195; p. 304.
- Sokolowski, Witold von, Warsaw, Russia, assignor of one-half to W. von Römer, Charlottenburg, Germany. Safety-stirrup. No. 1,058,480; Apr. 8; Gaz. vol. 189; p. 417.
- Solem, Peter A., assignor to J. A. Fay & Egan Company, Cincinnati, Ohio. Cutter-head-securing means. No. 1,056,466; Mar. 18; Gaz. vol. 188; p. 681.
- Solem, Peter A., assignor to J. A. Fay & Egan Company, Cincinnati, Ohio. Journal-bearing. No. 1,067,382; July 15; Gaz. vol. 192; p. 576.
- Solem, Peter A., assignor to J. A. Fay & Egan Company, Cincinnati, Ohio. Planing-machine. No. 1,073,300; Sept. 16; Gaz. vol. 194; p. 632.
- Solem, Peter A., assignor to J. A. Fay & Egan Company, Cincinnati, Ohio. Chip-breaker for planing-machines. No. 1,075,231; Oct. 7; Gaz. vol. 195; p. 221.
- Solem, Peter A., assignor to J. A. Fay & Egan Company, Cincinnati, Ohio. Positioning means for adjustable supports. No. 1,077,945; Nov. 4; Gaz. vol. 196; p. 242.
- Solem, Peter A., assignor to J. A. Fay & Egan Company, Cincinnati, Ohio. Wood-planing machine. No. 1,079,032; Nov. 18; Gaz. vol. 196; p. 682.
- Soley, Frank, assignor to Miller Lock Co., Philadelphia, Pa. Padlock. No. 1,056,599; Mar. 18; Gaz. vol. 188; p. 728.
- Soley, Frank, assignor to Miller Lock Co., Philadelphia, Pa. Padlock. No. 1,060,510; Apr. 29; Gaz. vol. 189; p. 1227.
- Solitano, Alexander, New York, N. Y. Emergency-trousers. No. 1,055,094; Mar. 4; Gaz. vol. 188; p. 150.
- Sollinger, John D., and S. Rockeny, McKeesport, Pa. Switch-rod. No. 1,070,742; Aug. 19; Gaz. vol. 193; p. 639.
- Solomiac, Emile, Paris, and A. Olier, Clermont-Ferrand, France. Steam-boiler. No. 1,063,398; June 3; Gaz. vol. 191; p. 78.
- Solomon, Abe, St. Louis, Mo. Closure. No. 1,074,023; Sept. 23; Gaz. vol. 194; p. 902.
- Solomon, Edgar J., assignor to Avery Company, Peoria, Ill. Traction-engine crane or derrick. No. 1,066,158; July 1; Gaz. vol. 192; p. 89.
- Solomon, George N., Turlington, Tex. Cattle-guard. No. 1,081,871; Dec. 16; Gaz. vol. 197; p. 734.
- Solomon, Harry, assignor of forty-nine one-hundredths to F. Eliscu, St. Joseph, Mo. Safety towel-cabinet. No. 1,080,855; Dec. 9; Gaz. vol. 197; p. 359.
- Solomon, Henry G., London, England. Smelting or refining of metals and the like in crucibles. No. 1,081,164; Dec. 9; Gaz. vol. 197; p. 459.
- Solomon, Lazarus, Philadelphia, Pa. Pressing-form for tailors' use. No. 1,059,778; Apr. 22; Gaz. vol. 189; p. 935.
- Solum, Paul, McKee, Oreg. Box-fastener. No. 1,055,826; Mar. 11; Gaz. vol. 188; p. 430.
- Solvay, Louis, Brussels, Belgium. Separation of tar and ammonium chlorid contained in gases produced by distilling coal. No. 1,052,853; Feb. 11; Gaz. vol. 187; p. 376.
- Somermeler, Edward E., Columbus, Ohio. Preserving wood. No. 1,082,658; Dec. 30; Gaz. vol. 197; p. 1065.
- Somers, Arthur D. (See Newell and Somers.)
- Somers, Thomas F., assignor to Birdsey-Somers Company, New York, N. Y. Corset-steel. No. 1,077,861; Nov. 4; Gaz. vol. 196; p. 212.
- Somerville, Thomas E., Glenellyn, Ill. Bundle-carrier. No. 1,081,559; Dec. 16; Gaz. vol. 197; p. 630.
- Somerville, William. (See Schwahn, Heinrich F. D., assignor.)
- Sommer, Benjamin L., executor. (See Sommer, Joseph W.)
- Sommer, John J., North Attleboro, Mass. Chain jewelry. No. 1,065,006; June 17; Gaz. vol. 191; p. 693.
- Sommer, Joseph W., deceased; B. L. Sommer, Peoria, executor, assignor to Keystone Steel and Wire Company, South Bartonville, Ill. Wire-fabric machine. No. 1,078,702; Nov. 18; Gaz. vol. 196; p. 566.
- Sommer, Ludwig, Munich, Germany. Flying-machine. No. 1,065,739; June 24; Gaz. vol. 191; p. 977.
- Sommer Nachfolger, Firm of Heinrich C. (See Raffensdorfer, Friedrich, assignor.)
- Sommer, William H., Peoria, Ill. Galvanizing or coating fence and other fabrics. No. 1,053,664; Feb. 18; Gaz. vol. 187; p. 699.
- Sommer, William H., Peoria, Ill. Gate. No. 1,063,223; June 3; Gaz. vol. 191; p. 18.
- Sommer, William H., Peoria, Ill. Making a metallic structure. No. 1,063,224; June 3; Gaz. vol. 191; p. 19.
- Sommerfeld, August, St. Louis, Mo. Life-preserver. No. 1,081,520; Dec. 16; Gaz. vol. 197; p. 618.
- Sommerfeld, William O., East Peoria, Ill. Wire-fabric-measuring device. No. 1,052,100; Feb. 4; Gaz. vol. 187; p. 89.
- Sommerhalder, Johannes, Bozen, Austria-Hungary. Ring spinning and twisting machine. No. 1,058,340; Apr. 8; Gaz. vol. 189; p. 370.
- Sondheimer, Albert, Cleveland, Ohio. Bowling-ball. No. 1,080,307; Dec. 2; Gaz. vol. 197; p. 136.
- Soneshein, Samuel, New York, N. Y. Hat-protector. No. 1,055,676; Mar. 11; Gaz. vol. 188; p. 378.
- Sonnek, P. Frank. (See Hammond, William P., assignor.)
- Sonnenburg, Edward J., Riverside, Cal. Flexible-tape loose-leaf binder. No. 1,051,287; Jan. 21; Gaz. vol. 186; p. 740.
- Sonnenburg, Edward J., Riverside, Cal. Temporary binder. No. 1,075,167; Oct. 7; Gaz. vol. 195; p. 199.
- Sonnenfeld, Max, New York, N. Y. Needle-threading device. No. 1,070,927; Aug. 19; Gaz. vol. 193; p. 697.
- Sonntag, Karl W., St. Louis, Mo. Tire-testing machine. No. 1,068,180; July 22; Gaz. vol. 192; p. 879.
- Sontag, Hugo, Erfurt, Germany. Photographing objects with projected backgrounds. No. 1,053,887; Feb. 18; Gaz. vol. 187; p. 773.
- Sonthimer, John, Lincoln, Nebr. Telephone-directory. No. 1,054,465; Feb. 25; Gaz. vol. 187; p. 1009.
- Soper, Lewis N., Guelph, Ontario, Canada. Piano-action. No. 1,056,375; Mar. 18; Gaz. vol. 188; p. 648.
- Soper, William E., New York, assignor to F. Strauss, Yonkers, N. Y. Self-venting faucet for bottles. No. 1,062,615; May 27; Gaz. vol. 190; p. 815.
- Soprunoff, Feodor P., Moscow, Russia. Reversing-gearing. No. 1,073,448; Sept. 16; Gaz. vol. 194; p. 683.
- Sorensen, Herbert W., U. S. Navy. Tooth-brush holder. No. 1,071,966; Sept. 2; Gaz. vol. 194; p. 101.
- Sorensen, Peter, Brooklyn, N. Y. Lamp-guard. No. 1,055,427; Mar. 11; Gaz. vol. 188; p. 297.
- Sorensen, Rasmus B., assignor of one-half to M. L. Strother, Tonopah, Nev. Car replacer and derail. No. 1,074,754; Oct. 7; Gaz. vol. 195; p. 58.
- Sorg, William A., Minneapolis, Minn. Propeller means for self-propelled vehicles. No. 1,062,422; May 20; Gaz. vol. 190; p. 708.
- Sorley, John, Feilding, New Zealand. Composition for the destruction of insects. No. 1,057,678; Apr. 1; Gaz. vol. 189; p. 97.
- Sorlie, John M., Eau Claire, Wis. Window-shade fastener. No. 1,071,475; Aug. 26; Gaz. vol. 193; p. 915.
- Sorlien, Theodore H., Granite Falls, Minn. Bed. No. 1,065,740; June 24; Gaz. vol. 191; p. 978.
- Sorlien, Theodore H., Granite Falls, Minn. Bed. No. 1,069,585; Aug. 5; Gaz. vol. 193; p. 170.
- Sornberger, George F., Sidney, N. Y. Folding table. No. 1,062,996; May 27; Gaz. vol. 190; p. 939.
- Sosa, Augustus M., assignor to The American Tool Works Company, Cincinnati, Ohio. Variable-speed mechanism. No. 1,068,013; July 22; Gaz. vol. 192; p. 823.
- Sosa, Augustus M., assignor to The American Tool Works Company, Cincinnati, Ohio. Relieving attachment for lathes. No. 1,081,470; Dec. 16; Gaz. vol. 197; p. 601.
- Sosa, Augustus M., assignor to The American Tool Works Company, Cincinnati, Ohio. Indexing device for crank-lathes. No. 1,081,993; Dec. 23; Gaz. vol. 197; p. 803.
- Sosa, Augustus M., assignor of one-half to A. F. Herb-sleb, Cincinnati, Ohio. Driving and feeding mechanism in metal-working machinery. No. 1,074,906; Oct. 7; Gaz. vol. 195; p. 108.
- Sosaya, Augustin A., Wagon Mound, N. Mex. Crib attachment for beds. No. 1,055,095; Mar. 4; Gaz. vol. 188; p. 151.
- Soss, Charles J. and H., assignors of one-third to S. Soss, New York, N. Y. Hinge. No. 1,078,703; Nov. 18; Gaz. vol. 196; p. 566.
- Soss, Henry. (See Soss, Charles J. and H.)
- Soss, Samuel. (See Soss, Charles J. and H., assignors.)
- Souček, Václav, Mochov, Austria-Hungary. Machine for making briquets. No. 1,054,464; Feb. 25; Gaz. vol. 187; p. 1008.
- Soule, Arthur C., assignor, by mesne assignments, to The Simplex Window Company, San Francisco, Cal. Window. No. 1,072,669; Sept. 9; Gaz. vol. 194; p. 370.
- Soule, George H., Fairfield, Vt. Maple-sap evaporator. No. 1,049,935; Jan. 7; Gaz. vol. 186; p. 208.
- Soule, George H., Fairfield, Vt. Sap-collecting apparatus. No. 1,061,135; May 6; Gaz. vol. 190; p. 198.
- Soule, Ida A., San Francisco, Cal. Hat-pin-point protector. No. 1,063,840; June 3; Gaz. vol. 191; p. 231.
- South, Augustus W., Red Oak, Iowa. Clock-dial for program-clocks. No. 1,068,538; July 29; Gaz. vol. 192; p. 1041.
- South Bend Music Holder Manufacturing Company, The. (See Kaufmann, Horace M., assignor.)
- South Fork Smelting Company. (See Heslewood, William R., assignor.)
- South, George J. (See Nailor and South.)
- Southall, Christopher. (See Smith and Southall.)
- Southall, Albert W. (See McKinnon and Southall.)
- Southern Cotton Gin Company. (See Shepperd, Sylvanus D., assignor.)
- Southern Electro-Chemical Company. (See Pauling, Harry, assignor.)
- Southern Electro-Chemical Company, The. (See Peacock, Samuel, assignor.)
- Southern Plow Company. (See Ledbetter, William H., assignor.)
- Southern Standard Cotton Grader Company. (See Floyd, John B., assignor.)
- Southern Textile Machinery Company. (See Davis, Edwin O., assignor.)

Alphabetical list of patentees—Continued.

- Southey, Alfred W., Mill Hill, London, England. Apparatus for the production of gaseous fuel. No. 1,068,708; July 29; Gaz. vol. 192; p. 1101.
- Southgate Machinery Company. (See Upham, Burt F., assignor.)
- Southgate, Thomas A., Lapwai, Idaho. Telescopic gun-rod. No. 1,067,383; July 15; Gaz. vol. 192; p. 577.
- Southward, Robert A. (See Hanington, Rosenstein, and Southward.)
- Southwark Foundry & Machine Co. (See Vauchlain, Andrew C., assignor.)
- Southwell, Grace A., trustee. (See Nordensson, Carl O., assignor.)
- Southwick, Plin C., Sandwich, Ill. Baling-press. No. 1,069,586; Aug. 5; Gaz. vol. 193; p. 171.
- Southwick, William H., Leeds, England. Air or water motor. No. 1,076,713; Oct. 28; Gaz. vol. 195; p. 843.
- Southworth, Harrison H. (See Wolf and Southworth.)
- Southworth, Harrison H., and F. W. Wolf, Jr., assignors to Iceless Refrigerator Company, Chicago, Ill. Refrigerating apparatus. No. 1,070,074; Aug. 12; Gaz. vol. 193; p. 367.
- Southworth, Harrison H., and F. W. Wolf, Jr., Cleveland, Ohio, assignors, by mesne assignments, to C. E. Mehlhope, Chicago, Ill. Refrigerating apparatus. No. 1,079,448; Nov. 25; Gaz. vol. 196; p. 852.
- Sowar, Joseph S. C., Brazil, Ind. Animal-trap. No. 1,077,104; Oct. 28; Gaz. vol. 195; p. 978.
- Sowden, Charles N., Guantanamo, Cuba. Shock-absorber. No. 1,057,292; Mar. 25; Gaz. vol. 188; p. 995.
- Sowden, Charles N., Guantanamo, Cuba. Shock-absorber. No. 1,074,658; Oct. 7; Gaz. vol. 195; p. 25.
- Sowden, Charles N., Guantanamo, Cuba. Swivel lamp-holder. No. 1,075,951; Oct. 14; Gaz. vol. 195; p. 495.
- Sowden, Charles N., Guantanamo, Cuba. Swivel lamp-holder. No. 1,075,952; Oct. 14; Gaz. vol. 195; p. 496.
- Sowden, Charles N., Guantanamo, Cuba. Combined spring and friction shock-absorber. No. 1,079,191; Nov. 18; Gaz. vol. 196; p. 737.
- Sowden, Charles N., Guantanamo, Cuba. Bottle-holder. No. 1,079,192; Nov. 18; Gaz. vol. 196; p. 738.
- Sowden, Charles N., Guantanamo, Cuba. Spring-wheel. No. 1,082,915; Dec. 30; Gaz. vol. 197; p. 1156.
- Sowers, David W., Buffalo, N. Y. Stove lid or cover. No. 1,060,645; May 6; Gaz. vol. 190; p. 27.
- Sox, David A., Carrollton, Ga. Cinder-deflector. No. 1,063,299; June 3; Gaz. vol. 191; p. 44.
- Sozzi, Olivio, Naples, Italy. Chemical generator of electricity. No. 1,069,493; Aug. 5; Gaz. vol. 193; p. 141.
- Spaan, Henry N., *et al.* (See Gray, Thomas J., assignor.)
- Space Marker Company. (See Scheu, Solomon F., assignor.)
- Spacie, Thomas, Blue Island, Ill. Roller-skate. No. 1,061,951; May 13; Gaz. vol. 190; p. 508.
- Spacie, Thomas, Blue Island, Ill. Skate-clamp. No. 1,077,893; Nov. 4; Gaz. vol. 196; p. 224.
- Spadone, Walter W., assignor to Gutta Percha & Rubber Manufacturing Company, New York, N. Y. Packing. No. 1,064,022; June 10; Gaz. vol. 191; p. 327.
- Spaeth, Edward J. (See Dreses and Spaeth.)
- Spaeth, Gustave A., assignor of one-third to D. Schaaf, Columbus, Ohio. Trolley-replacer. No. 1,065,851; June 24; Gaz. vol. 191; p. 1015.
- Spafford, Stanley E., assignor to A. C. Fuller, Hartford, Conn. Brush-holder. No. 1,058,203; Apr. 8; Gaz. vol. 189; p. 322.
- Spahn, Edward, Los Angeles, Cal. Knee and ankle brace. No. 1,072,369; Sept. 2; Gaz. vol. 194; p. 237.
- Spahr, Otto, Philadelphia, Pa. Gas or oil radiator. No. 1,068,461; July 29; Gaz. vol. 192; p. 1016.
- Spahr, Otto, assignor to Strause Gas Iron Co., Philadelphia, Pa. Self-heating sad-iron. No. 1,080,600; Dec. 9; Gaz. vol. 197; p. 269.
- Spahr, Otto, and C. Stichler, Philadelphia, Pa. Sad-iron. No. 1,050,572; Jan. 14; Gaz. vol. 186; p. 463.
- Spain, Carroll J., Beloit, Kans. Tooth-crown. No. 1,062,048; May 20; Gaz. vol. 190; p. 581.
- Spain, William. (See Jefferies and Spain.)
- Spalazzi, Francesco, Naples, Italy. Electrical device for transmitting to a distance continuous or intermittent angular movements. No. 1,066,159; July 1; Gaz. vol. 192; p. 89.
- Spalteholz, Werner, Leipzig, and K. Haring, assignors to Chemisch Technologische Studiengesellschaft mit beschränkter Haftung, Hersfeld, Germany. Manufacture of leather and leather-like products. No. 1,066,231; July 1; Gaz. vol. 192; p. 117.
- Spamer, Richard F., assignor to Western Electric Company, New York, N. Y. Signaling system for party-lines. No. 1,071,652; Aug. 26; Gaz. vol. 193; p. 974.
- Spaney, Alfred, Piermont, and J. W. Mayer, New York, N. Y. Jewelry. No. 1,062,804; May 27; Gaz. vol. 190; p. 875.
- Spangenberg, Joseph W., North Paterson, N. J. Vehicle lamp-support. No. 1,079,808; Nov. 25; Gaz. vol. 196; p. 980.
- Spangler, Harry M., Dayton, Ohio. Self-cleaning wash-stand-valve. No. 1,071,271; Aug. 26; Gaz. vol. 193; p. 848.
- Spangler, Jacob D., Sharon, Kans. Breeding-crate. No. 1,073,369; Sept. 16; Gaz. vol. 194; p. 656.
- Spangler, James M., Canton, assignor to The Hoover Suction Sweeper Company, New Berlin, Ohio. Pneumatic cleaning device. No. 1,064,783; June 17; Gaz. vol. 191; p. 622.
- Spangler, James M., Canton, assignor to The Hoover Suction Sweeper Company, New Berlin, Ohio. Suction carpet-sweeper. No. 1,073,301; Sept. 16; Gaz. vol. 194; p. 632.
- Spangler, James M., Canton, assignor to The Hoover Suction Sweeper Company, New Berlin, Ohio. Carpet-sweeper. No. 1,081,340; Dec. 16; Gaz. vol. 197; p. 557.
- Spangler, John A. (See Duncan and Spangler.)
- Spängler, Ludwig, Vienna, Austria-Hungary. Double-decked vehicle. No. 1,083,225; Dec. 30; Gaz. vol. 197; p. 1254.
- Spar Chemical Company, The. (See Bassett, Harry P., assignor.)
- Spardel, Emil, Hamburg, Germany. Irrigator. No. 1,082,142; Dec. 23; Gaz. vol. 197; p. 853.
- Sparks, E. H., Jr., *et al.*, administrators. (See Luke and Allen.)
- Sparks, James H., Clinton, Ill. Corn-planter. No. 1,053,235; Feb. 18; Gaz. vol. 187; p. 551.
- Sparks, James L., and E. R. Eddins, assignors to Automatic Vacuum Pump Company, St. Louis, Mo. Steam-heating system. No. 1,067,769; July 15; Gaz. vol. 192; p. 707.
- Sparks, Jason C., Concord, Nebr. Transmission-gearing. No. 1,050,704; Jan. 14; Gaz. vol. 186; p. 504.
- Sparks, Jason C., Concord, Nebr. Transmission-gearing. No. 1,055,677; Mar. 11; Gaz. vol. 188; p. 379.
- Sparks, Jason C., Concord, Nebr. Automobile. No. 1,058,341; Apr. 8; Gaz. vol. 189; p. 370.
- Sparks, Josiah, University Place, Nebr. Buttonhole-scissors. No. 1,065,741; June 24; Gaz. vol. 191; p. 978.
- Sparks, Laban, administrator. (See Higbee, Harriet A.)
- Sparks, Laban, administrator. (See Perky, Henry D.)
- Sparks, Levi C. (See Hartbauer and Sparks.)
- Sparks, Levi C., and A. W. L. Hartbauer, assignors to American Car and Foundry Company, St. Louis, Mo. Car-window. No. 1,078,319; Nov. 11; Gaz. vol. 196; p. 403.
- Sparks, Ralph H., Terre Haute, Ind. Means for improving land. No. 1,083,148; Dec. 30; Gaz. vol. 197; p. 1231.
- Sparks, Thomas H., Wichita, Kans. Device for automatically lifting and supporting automobiles and other vehicles. No. 1,081,165; Dec. 9; Gaz. vol. 197; p. 459.
- Sparks, William, Jackson, Mich. Rotary fan. No. 1,056,226; Mar. 18; Gaz. vol. 188; p. 600.
- Sparks, William, assignor to The Sparks-Withington Company, Jackson, Mich. Rotary fan. No. 1,072,189; Sept. 2; Gaz. vol. 194; p. 177.
- Sparks, William, assignor to The Sparks-Withington Company, Jackson, Mich. Ball-bearing. No. 1,080,081; Dec. 2; Gaz. vol. 197; p. 57.
- Sparks, William, assignor to The Sparks-Withington Company, Jackson, Mich. Ball-retainer for ball-bearings. No. 1,080,082; Dec. 2; Gaz. vol. 197; p. 58.
- Sparks, William E., assignor to Sargent & Company, New Haven, Conn. Night-latch. No. 1,059,915; Apr. 22; Gaz. vol. 189; p. 978.
- Sparks-Withington Company, The. (See Sparks, William, assignor.)
- Spurling, Jacob L., Bay City, Mich. Joint-chair. No. 1,064,559; June 10; Gaz. vol. 191; p. 509.
- Sparmann, Edmund, Vienna, Austria-Hungary. Automatic stabilizer for aerial vehicles or other moving bodies. No. 1,066,860; July 8; Gaz. vol. 192; p. 362.
- Späth, Carl, Steglitz, near Berlin, Germany, assignor to Eastman Kodak Company, Rochester, N. Y. Manufacturing color-screens. No. 1,069,039; July 29; Gaz. vol. 192; p. 1216.
- Späth, Carl, Steglitz, near Berlin, Germany, assignor to Eastman Kodak Company, Rochester, N. Y. Manufacture of color-screens. No. 1,081,341; Dec. 16; Gaz. vol. 197; p. 557.
- Spaulding, Benjamin S., Arcata, Cal. Overhead hoisting-trolley. No. 1,065,399; June 24; Gaz. vol. 191; p. 862.
- Spaulding, Benjamin S., Arcata, Cal. Sea-safe and supply boat. No. 1,065,400; June 24; Gaz. vol. 191; p. 862.
- Spaulding, Franklin, Chicago, Ill. Buttonhole-working attachment for sewing-machines. No. 1,080,729; Dec. 9; Gaz. vol. 197; p. 312.
- Spaulding, George W., *et al.* (See Alyea, Courtland P., assignor.)
- Spaulding, Marguerite. (See Spaulding, Russell, assignor.)
- Spaulding, Russell, Chicago, Ill., assignor to M. Spaulding, New York, N. Y. Apparatus for producing electrical discharges. No. 1,049,775; Jan. 7; Gaz. vol. 186; p. 156.
- Spaulding, Russell, Chicago, Ill., assignor to M. Spaulding, New York, N. Y. Apparatus for producing electrical discharges. No. 1,060,957; May 6; Gaz. vol. 190; p. 137.
- Spaulding & Sons Company, J. (See Lancey, Roswell A., assignor.)

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- Spear, Furman D., assignor to Armspear Manufacturing Company, New York, N. Y. Signal-lamp. No. 1,082,178; Dec. 23; Gaz. vol. 197; p. 865.
- Spear, Lawrence Y., and H. E. Grieshaber, New London, Conn. Construction and conning equipment for submersible boats. No. 1,072,392; Sept. 2; Gaz. vol. 194; p. 245.
- Spear, Lawrence Y., and H. E. Grieshaber, New London, Conn. Submersible-boat construction. No. 1,072,393; Sept. 2; Gaz. vol. 194; p. 246.
- Spear, Lawrence Y., and G. E. Edgar, Quincy, Mass., assignors to Electric Boat Company, New York, N. Y. Battery installation. No. 1,058,916; Apr. 15; Gaz. vol. 189; p. 606.
- Spears, Alfred T., Oklahoma, Okla. Railway-tie. No. 1,051,972; Feb. 4; Gaz. vol. 187; p. 43.
- Spears, Jack L. (See Pate and Spears.)
- Speas, John H., Cazenovia, assignor, by mesne assignments, to Power Washing Machine Co., Peoria, Ill. Driving mechanism and support therefor. No. 1,061,022; May 6; Gaz. vol. 190; p. 161.
- Speas, John H., Cazenovia, assignor, by mesne assignments, to Power Washing Machine Co., Peoria, Ill. Driving mechanism. No. 1,062,370; May 20; Gaz. vol. 190; p. 691.
- Specht, John J., and W. J. Wachsmuth, Kalispell, Mont. Plow-comb. No. 1,078,753; Nov. 18; Gaz. vol. 196; p. 584.
- Specialty Device Company, The. (See Bierce, Fred N., assignor.)
- Speck, Nicholas, assignor of one-third to H. Johannet and one-third to J. O. Fidler, Monroe, Wis. Sharpener for lawn-mowers. No. 1,076,919; Oct. 28; Gaz. vol. 195; p. 916.
- Spedden, William C., Colville, Wash. Line-guide for copyists. No. 1,073,939; Sept. 23; Gaz. vol. 194; p. 874.
- Speed Press Co., The. (See Green, Harry B., assignor.)
- Speer, Frank C., Wilmington, Ohio. Whip-operating device. No. 1,059,779; Apr. 22; Gaz. vol. 189; p. 935.
- Speer, George F., Fort Worth, Tex., assignor to The International Tunnel Machine Company. Tunnel-driving machine. No. 1,072,050; Sept. 2; Gaz. vol. 194; p. 130.
- Speer, James R., Trappe, Md., and W. L. Forster, Rochester, assignors to Pittsburgh Iron & Steel Foundries Company, Midland, Pa. Alloy of iron. No. 1,071,364; Aug. 26; Gaz. vol. 193; p. 879.
- Speidel, Friedrich, Pforzheim, Germany. Chain-making machine. No. 1,054,466; Feb. 25; Gaz. vol. 187; p. 1009.
- Speidel, Hal, *et al.* (See Dillon, Friend E., assignor.)
- Speirs, Alexander, Westbrook, Me. Truss-ped. No. 1,056,227; Mar. 18; Gaz. vol. 188; p. 600.
- Spelling, Thomas C., New York, N. Y. Monorailway system. No. 1,058,481; Apr. 8; Gaz. vol. 189; p. 417.
- Spellman, Edward R., Walla Walla, Wash. Draft-equalizer. No. 1,078,386; Nov. 11; Gaz. vol. 196; p. 428.
- Spellman, Herbert W., and E. Twigg, assignors to Landers, Frary and Clark, New Britain, Conn. Safety release device. No. 1,051,462; Jan. 28; Gaz. vol. 186; p. 833.
- Spellman, John M., *et al.* (See Higginbotham, Judson L., assignor.)
- Spence, F. A. (See Jones, Eugene F., assignor.)
- Spence, Fred, assignor of one-half to Goodall Worsted Company, Sanford, Me. Apparatus for sorting and conditioning bobbins. No. 1,072,782; Sept. 9; Gaz. vol. 194; p. 409.
- Spence, Howard, and W. B. Llewellyn, assignors to Peter Spence & Sons, Limited, Manchester, England. Production of aluminous compounds. No. 1,070,300; Aug. 12; Gaz. vol. 193; p. 447.
- Spence, John, Lethbridge, Alberta, Canada. Gate-opening device. No. 1,079,449; Nov. 25; Gaz. vol. 196; p. 853.
- Spence, William J. (See Rodgers and Spence.)
- Spencer, Charles H., Kendall, Kans. Neck-yoke attachment. No. 1,056,846; Mar. 25; Gaz. vol. 188; p. 841.
- Spencer, Charles W., Lake View, Iowa. Supporting-frame for engines. No. 1,065,979; July 1; Gaz. vol. 192; p. 27.
- Spencer, Christopher J. (See Quick and Spencer.)
- Spencer, Edward, Windsor, Ontario, Canada. Backstay-supporter. No. 1,051,024; Jan. 21; Gaz. vol. 186; p. 653.
- Spencer, Francis E., Dover, Okla. Corn-header. No. 1,080,856; Dec. 9; Gaz. vol. 197; p. 359.
- Spencer, Franklin, Jr. (See Ballard, George V., assignor.)
- Spencer, Gardner A. B., San Francisco, Cal. Pressure-gage. No. 1,055,827; Mar. 11; Gaz. vol. 188; p. 431.
- Spencer, George N., Forest Grove, Oreg. Pruning implement. No. 1,082,290; Dec. 23; Gaz. vol. 197; p. 907.
- Spencer, Harry M., Dunmore, Pa. Spark-plug. No. 1,068,462; July 29; Gaz. vol. 192; p. 1017.
- Spencer, Harry M., Dunmore, Pa. Spark-plug. No. 1,077,960; Nov. 4; Gaz. vol. 196; p. 247.
- Spencer Heater Company. (See Waddell, Joseph A., Jr., assignor.)
- Spencer, Henry K., Dorchester, assignor to The Blanchard Machine Company, Cambridge, Mass. Mounting of abrasive wheels. No. 1,079,304; Nov. 18; Gaz. vol. 196; p. 772.
- Spencer, Ira H., assignor to The Spencer Turbine Cleaner Company, Hartford, Conn. Pneumatic cleaning-tool. No. 1,053,665; Feb. 18; Gaz. vol. 187; p. 700.
- Spencer, Ira H., West Hartford, assignor to The Spencer Turbine Cleaner Company, Hartford, Conn. Apparatus for propelling fluids. No. 1,061,205; May 6; Gaz. vol. 190; p. 221.
- Spencer, Ira H., West Hartford, assignor to The Spencer Turbine Cleaner Company, Hartford, Conn. (Cleaning-tool. No. 1,063,078; May 27; Gaz. vol. 190; p. 966.
- Spencer, Ira H., West Hartford, assignor to The Spencer Turbine Cleaner Company, Hartford, Conn. Shaft-bearing. No. 1,066,541; July 8; Gaz. vol. 192; p. 252.
- Spencer, Ira H., West Hartford, assignor to The Spencer Turbine Cleaner Company, Hartford, Conn. Cleaning apparatus. No. 1,072,783; Sept. 9; Gaz. vol. 194; p. 410.
- Spencer, Millard C. (See Gowing and Spencer.)
- Spencer, Ora, Cuero, Tex. Foot-accelerator for automobiles. No. 1,081,166; Dec. 9; Gaz. vol. 197; p. 460.
- Spencer, Ralph G. (See Reynolds, Martin C., assignor.)
- Spencer Turbine Cleaner Company, The. (See Spencer, Ira H., assignor.)
- Spengler Brothers Company. (See Loomis, Edwin C., assignor.)
- Spengler, Henry. (See Sherlock and Spengler.)
- Spengler, Henry, New York, assignor to A. Liebmann, Brooklyn, N. Y. Closure. No. 1,074,907; Oct. 7; Gaz. vol. 195; p. 108.
- Sperry, Elmer A., Brooklyn, N. Y. Apparatus for determination of periodic motion. No. 1,071,815; Sept. 2; Gaz. vol. 194; p. 51.
- Sperry, Ernest B., and C. L. Merritt, Tama, Iowa. Brake. No. 1,053,326; Feb. 18; Gaz. vol. 187; p. 584.
- Sperry, Frank E., Aurora, assignor to Aurora Automatic Machinery Company, Chicago, Ill. Change-speed gearing. No. 1,070,634; Aug. 19; Gaz. vol. 193; p. 602.
- Spery, Charles F., assignor of one-half to S. Catlin, Chicago, Ill. Polishing device. No. 1,081,002; Dec. 9; Gaz. vol. 197; p. 407.
- Spicer, Clarence W., Plainfield, N. J. Incased universal joint and casing thereof. No. 1,051,025; Jan. 21; Gaz. vol. 186; p. 653.
- Spicer, George. (See Rankin, Eugene, assignor.)
- Spicker, Frederick. (See Stevens and Spicker.)
- Spickerman, Christian, Sandwich, Ill. Door-mat. No. 1,062,195; May 20; Gaz. vol. 190; p. 633.
- Spiegel, Adolf, assignor to Gewerkschaft Messel, Grube Messel, near Darmstadt, Germany. Apparatus for separating liquid particles from gases. No. 1,075,736; Oct. 14; Gaz. vol. 195; p. 423.
- Spiegel, Alexander S., Chicago, Ill. Means for applying colored designs to composition roofing. No. 1,082,364; Dec. 23; Gaz. vol. 197; p. 933.
- Spiegel, Alexander S., assignor of two-thirds to R. Glendinning, Chicago, Ill. Display device for lanterns. No. 1,066,765; July 8; Gaz. vol. 192; p. 331.
- Spiegel, Alexander S., assignor of two-thirds to R. Glendinning, Chicago, Ill. Process and apparatus for making composite picture-slides and the like. No. 1,066,766; July 8; Gaz. vol. 192; p. 332.
- Spiegelhalter, Joseph, Jr., St. Louis, Mo. Sash-fastener. No. 1,071,816; Sept. 2; Gaz. vol. 194; p. 51.
- Spielman, Adolph, Philadelphia, Pa. Cloth-cutting machine. No. 1,050,307; Jan. 14; Gaz. vol. 186; p. 369.
- Spielman, Adolph, Philadelphia, Pa. Cutting-tool. No. 1,064,865; June 17; Gaz. vol. 191; p. 648.
- Spielmann, Adolph, Chicago, Ill. Changeable bulletin-board. No. 1,079,372; Nov. 25; Gaz. vol. 196; p. 827.
- Spielmann, Adolph, assignor to The Tablet & Ticket Company, Chicago, Ill. Directory and score-board. No. 1,078,221; Nov. 11; Gaz. vol. 196; p. 368.
- Spielvogel, Willibald, Mittelsneuland, Germany. Gearing. No. 1,071,107; Aug. 26; Gaz. vol. 193; p. 793.
- Spiers, William, Leicester, England. Circular-knitting machine. No. 1,080,857; Dec. 9; Gaz. vol. 197; p. 359.
- Spieß, Georg, Leipzig-Reudnitz, Germany. Paper-sheet-feeding machine. No. 1,064,938; June 17; Gaz. vol. 191; p. 670.
- Spieß, Georg, Leipzig-Reudnitz, Germany. Sheet-assorting mechanism. No. 1,071,272; Aug. 26; Gaz. vol. 193; p. 848.
- Spieß, Georg, Leipzig-Reudnitz, Germany. Device for removing scraps of paper in sheet-sorting machines. No. 1,081,003; Dec. 9; Gaz. vol. 197; p. 407.
- Spieß, Georg, Leipzig-Anger-Crottendorf, Germany. Driving mechanism for movable sheet-feeding guides. No. 1,082,613; Dec. 30; Gaz. vol. 197; p. 1050.
- Spillan, Cornelius, Steubenville, Ohio. Valve. No. 1,061,698; May 13; Gaz. vol. 190; p. 427.
- Spillan, Cornelius, Steubenville, Ohio. Valve. No. 1,069,198; Aug. 5; Gaz. vol. 193; p. 39.
- Spillmann, Heinrich, Zurich, Switzerland. Hydraulic-power plant. No. 1,064,390; June 10; Gaz. vol. 191; p. 452.
- Spinnerei & Weberei Steinen A. G. (See Koehlin, Albert G., assignor.)
- Spira, Markus L., Cleveland, Ohio. Paint-removing device. No. 1,074,755; Oct. 7; Gaz. vol. 195; p. 58.
- Spiral Radiator Company. (See Olson and Cariberg, assignors.)

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- Spire, Alvin J. (See Wiard and Spire.)
- Spire, Sheldon S., assignor to Syracuse Chilled Plow Company, Syracuse, N. Y. Front caster-wheel for plows. No. 1,065,840; June 24; Gaz. vol. 191; p. 1011.
- Spirella Company, The. (See Beeman, Marcus M., assignor.)
- Spirella Company, The. (See Beeman and Bickerstaff, assignors.)
- Spirella Company, The. (See Beeman and Kitchen, assignors.)
- Spirella Company, The. (See Kitchen, John F., assignor.)
- Spirella Company, The. (See Martin, Eva M., assignor.)
- Spirella Company, The. (See Miller, Ione, assignor.)
- Spirella Company, The. (See Schuler, David, assignor.) (Reissue.)
- Spirella Company, The. (See Welsh, James M., assignor.)
- Spire, Daniel J., Tucson, Ariz. Folding and reversible bed. No. 1,054,467; Feb. 25; Gaz. vol. 187; p. 1010.
- Spire, Thomas F., Central Academy, Miss. Cultivating-machine. No. 1,051,772; Jan. 28; Gaz. vol. 186; p. 935.
- Spirewilk, John S., Jr., assignor of one-third to D. C. O'Connell and one-third to S. A. Strzelczyk, Milwaukee, Wis. Carrier. No. 1,079,373; Nov. 25; Gaz. vol. 196; p. 828.
- Spirlet, Xavier de, Brussels, Belgium. Mechanical system for roasting sulfurous ores by a continuous process. No. 1,077,010; Oct. 28; Gaz. vol. 195; p. 948.
- Spiro, Charles, New York, N. Y. Type-bar action. No. 1,072,784; Sept. 9; Gaz. vol. 194; p. 410.
- Spiro, Harry, San Francisco, Cal. Instrument used for diagnostic purposes in obstetrical practice. No. 1,054,802; Mar. 4; Gaz. vol. 188; p. 52.
- Spiro, Leon, Everett, Wash. Automatic balance for aeroplanes. No. 1,074,659; Oct. 7; Gaz. vol. 195; p. 25.
- Spitler, John M., Cable, Wis. Farm-gate. No. 1,074,477; Sept. 30; Gaz. vol. 194; p. 1081.
- Spittell, Christian A., Newark, N. J. Automobile wheel-tire. No. 1,070,551; Aug. 19; Gaz. vol. 193; p. 575.
- Spitz, Frederick, New York, N. Y. Extensible suit-case. No. 1,052,018; Feb. 4; Gaz. vol. 187; p. 60.
- Spitz, Gustav, Brünn, Austria-Hungary, assignor to Goldschmidt Detinning Company, New York, N. Y. Removing the enamel from useless enameled utensils. No. 1,055,678; Mar. 11; Gaz. vol. 188; p. 379.
- Spitz, Gustav, Brünn, Austria-Hungary, assignor to Goldschmidt Detinning Company, New York, N. Y. Removing enamel from enameled goods. No. 1,065,401; June 24; Gaz. vol. 191; p. 862.
- Spiva, George R., assignor of one-half to J. A. Laughlin, Steedman, Okla. Stalk-cutter. No. 1,059,404; Apr. 22; Gaz. vol. 189; p. 810.
- Spjut, John F., Jamestown, N. Y. Adjustable slide joint and valve. No. 1,070,993; Aug. 19; Gaz. vol. 193; p. 719.
- Splaine, George W., Boston, Mass. Cream-dipper. No. 1,078,175; Nov. 11; Gaz. vol. 196; p. 352.
- Spoerer, Frederick E., Chicago, Ill. Shadow-picture device. No. 1,065,562; June 24; Gaz. vol. 191; p. 917.
- Spohrer, Gregory J., Franklin, Pa. Engine-starter. No. 1,056,600; Mar. 18; Gaz. vol. 188; p. 728.
- Spohrer, Gregory J., assignor to Wilson Motor Starter Company, Franklin, Pa. Engine-starter. No. 1,063,141; May 27; Gaz. vol. 190; p. 987.
- Spohrer, Gregory J., assignor to Wilson Motor Starter Company, Franklin, Pa. Two-stage compression-pump. No. 1,067,770; July 15; Gaz. vol. 192; p. 707.
- Spohrer, Gregory J., assignor to Wilson Motor Starter Company, Franklin, Pa. Engine-starter. No. 1,072,267; Sept. 2; Gaz. vol. 194; p. 202.
- Spohrer, Gregory J., assignor to Wilson Motor Starter Company, Franklin, Pa. Automatic pump. No. 1,081,784; Dec. 16; Gaz. vol. 197; p. 704.
- Spohrer, Louisa R., Mayetta, Kans. Clothes-pounder. No. 1,079,612; Nov. 25; Gaz. vol. 196; p. 911.
- Sponable, George W., assignor to Brown-Lipe Gear Company, Syracuse, N. Y. Chuck for centering and holding gears. No. 1,056,954; Mar. 25; Gaz. vol. 188; p. 830.
- Sponenburgh, Hiram H. (See Laas and Sponenburgh.)
- Sponge Rubber Inner Heel Company. (See Price, Welcome B., assignor.)
- Sponogle, Francis M. (See Fox, Bem, and Sponogle.)
- Sponsel, Charles W., Hartford, assignor, by mesne assignments, to The Noiseless Typewriter Company, Middletown, Conn. Type-writing machine. No. 1,055,566; Mar. 11; Gaz. vol. 188; p. 342.
- Spooner, Jay B., Santa Monica, assignor of one-third to E. B. Coil, Los Angeles, Cal. Combination handle and latch. No. 1,059,952; Apr. 22; Gaz. vol. 189; p. 991.
- Sporer, Joseph L., New York, N. Y. Dustless cloth. No. 1,056,067; Mar. 18; Gaz. vol. 188; p. 546.
- Sporleder, Michael, Colorado City, Colo. Watch. No. 1,069,348; Aug. 5; Gaz. vol. 193; p. 91.
- Sporleder, Michael, Colorado City, Colo. Watch. No. 1,076,072; Oct. 21; Gaz. vol. 195; p. 564.
- Spotless Steam-Sponger Co. (See Wentz, George F., assignor.)
- Spotts, James C., assignor to C. Carroll, New Orleans, La. Automatic valve for water-heaters. No. 1,050,705; Jan. 14; Gaz. vol. 186; p. 505.
- Spotts, James C., assignor to C. Carroll, New Orleans, La. Apparatus for heating or cooling fluids. No. 1,067,689; July 15; Gaz. vol. 192; p. 681.
- Spradlin, Vermont P., et al. (See Payne, William R. and J. T., assignors.)
- Sprado, Carl G., Milwaukee, Wis., assignor, by mesne assignments, to Allis-Chalmers Manufacturing Company. Discharge-valve gear for blowing-engines. No. 1,079,374; Nov. 25; Gaz. vol. 196; p. 828.
- Sprado, Carl G., Milwaukee, Wis., assignor, by mesne assignments, to Allis-Chalmers Manufacturing Company. Cylinder-liner. No. 1,081,257; Dec. 9; Gaz. vol. 197; p. 490.
- Sprado, Ralph, Alameda, Cal. Pump. No. 1,076,323; Oct. 21; Gaz. vol. 195; p. 652.
- Sprague, Arthur W., La Grange, and J. A. Cocker, Joliet, Ill., assignors to The American Steel and Wire Company of New Jersey, Hoboken, N. J. Fence-end tool. No. 1,065,474; June 24; Gaz. vol. 191; p. 888.
- Sprague Canning Machinery Company. (See Hood, Harry H., assignor.)
- Sprague Canning Machinery Company. (See McIntyre, John C., assignor.)
- Sprague, Clare R., Verdi, Nev. Saw-stretching-machine attachment. No. 1,054,367; Feb. 25; Gaz. vol. 187; p. 975.
- Sprague, Clarence B., Salt Lake City, Utah, assignor to United States Smelting, Refining & Mining Company, Portland, Me. Making lead arseniate. No. 1,064,023; June 10; Gaz. vol. 191; p. 327.
- Sprague, Frank E., Nashua, N. H. Metal box. No. 1,062,859; May 27; Gaz. vol. 190; p. 894.
- Sprague, George E., West End, Ill. Resilient wheel. No. 1,068,181; July 22; Gaz. vol. 192; p. 879.
- Sprague, Horace M., Denver, Colo. Handle-strap for carrying books and other articles. No. 1,056,068; Mar. 18; Gaz. vol. 188; p. 546.
- Sprague, Horace M., assignor to The Simplex Arms Manufacturing Company, Denver, Colo. Folding pistol. No. 1,059,405; Apr. 24; Gaz. vol. 189; p. 810.
- Sprague, Theodore A. (See Anger, Gottlieb, assignor.)
- Sprague, Thomas S. (See Hayes, Charles J. W., assignor.)
- Spranger, Frank and N. M., Detroit, Mich. Demountable rim. No. 1,069,349; Aug. 5; Gaz. vol. 193; p. 92.
- Spranger, Nicholas M. (See Spranger, Frank and N. M.)
- Spranger, Paul, Gera-Reuss, Germany. Internal-combustion engine. No. 1,071,967; Sept. 2; Gaz. vol. 194; p. 101.
- Spratlin, Benjamin B. and J. W., Hull, assignors of one-third to B. H. Barrow, Athens, Ga. Recorder for saw-mills. No. 1,057,679; Apr. 1; Gaz. vol. 189; p. 97.
- Spratlin, James W. (See Spratlin, Benjamin B. and J. W.)
- Spratt, George A., Coatesville, Pa. Buoyancy-indicator. No. 1,050,573; Jan. 14; Gaz. vol. 186; p. 463.
- Spray Ozone Company. (See Lesser and Avery, assignors.)
- Sprecher, Harry M., Ephrata, Pa. Roll-measurer. No. 1,072,268; Sept. 2; Gaz. vol. 194; p. 202.
- Sprecher, Harry M., Ephrata, Pa. Winding-machine. No. 1,076,920; Oct. 28; Gaz. vol. 195; p. 916.
- Sprenger, Emil, Goldach, Switzerland. Mixing-machine. No. 1,057,589; Apr. 1; Gaz. vol. 189; p. 65.
- Sprenger, Emil, Goldach, Switzerland. Mixing binding agents and other substances with granular material. No. 1,057,590; Apr. 1; Gaz. vol. 189; p. 66.
- Sprick, William F., Stickney, S. D. Deflating device. No. 1,077,011; Oct. 28; Gaz. vol. 195; p. 948.
- Spring, Frank J., Reading, Pa. Door-check. No. 1,052,019; Feb. 4; Gaz. vol. 187; p. 60.
- Spring, Herbert E., assignor of one-half to E. Crocker, Fitchburg, Mass. Screen-plate holder. No. 1,073,825; Sept. 23; Gaz. vol. 194; p. 834.
- Spring Motor Fan Company. (See Hansen, William P., assignor.)
- Spring, William F., Portland, Oreg. Conveyor for cooling apparatus. No. 1,064,560; June 10; Gaz. vol. 191; p. 510.
- Springer, Charles L., Uniontown, Pa. Safety-razor. No. 1,072,785; Sept. 9; Gaz. vol. 194; p. 411.
- Springer, William N., Peoria, Ill., assignor to Avery Company. Fire-door for furnaces. No. 1,066,670; July 8; Gaz. vol. 192; p. 297.
- Springer, William N., Peoria, Ill., assignor to Avery Company. Wheel for steam-plows, &c. No. 1,068,463; July 29; Gaz. vol. 192; p. 1017.
- Springfield Concrete Post Company. (See Brown, Lewis A., assignor.)
- Sprint, John W., assignor of one-half to G. W. Garvin, Boyce, Va. Commode. No. 1,061,879; May 13; Gaz. vol. 190; p. 482.
- Sproull, John C., Pittsburgh, Pa. Accessory for toys. No. 1,078,704; Nov. 18; Gaz. vol. 196; p. 567.
- Sprowl, Wilson B., Marion, Ind. Lawn-sprinkler. No. 1,056,847; Mar. 25; Gaz. vol. 188; p. 841.
- Spruks, Stephen S. (See Witty, George, assignor.)
- Sprung, Edmund, assignor of one-half to W. D. Healy, Detroit, Mich. Carbureter. No. 1,073,179; Sept. 16; Gaz. vol. 194; p. 588.

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- Spurge, Edward C., deceased, Niagara Falls, N. Y.; L. T. Spurge, G. E. Cox, and G. Slate, Jr., administrators. Ozonizer. No. 1,071,476; Aug. 26; Gaz. vol. 193; p. 916.
- Spurge, Louise T., *et al.*, administrators. (See Spurge, Edward C.)
- Spurgeon, Charles T., Homosassa, Fla. Shaft-coupling. No. 1,058,482; Apr. 8; Gaz. vol. 189; p. 418.
- Spurgin, Peter, Edgemont, S. D. Lantern. No. 1,057,364; Mar. 25; Gaz. vol. 188; p. 1018.
- Spurgin, Richard A., London, England, assignor to The Hammond Typewriter Co. Type-writer. No. 1,055,679; Mar. 11; Gaz. vol. 188; p. 379.
- Spurlock, John W., Waycross, Ga. Self-measuring bin. No. 1,058,269; Apr. 8; Gaz. vol. 189; p. 345.
- Spurrler, William A., Newton, Mass. Drying apparatus for printing-presses. No. 1,050,399; Jan. 14; Gaz. vol. 186; p. 401.
- Spyker, Jacobus, Amsterdam, Netherlands. Elastic road-wheel. No. 1,075,168; Oct. 7; Gaz. vol. 195; p. 199.
- Squire, Arnold M., Cleveland, Ohio. Steering device. No. 1,069,199; Aug. 5; Gaz. vol. 193; p. 39.
- Squire, Edwin E., Pittsburg, Cal. Splicing-thimble. No. 1,058,917; Apr. 15; Gaz. vol. 189; p. 607.
- Squire, William H., St. Denis, France. Gas-operated gun. No. 1,082,916; Dec. 30; Gaz. vol. 197; p. 1157.
- Squire, Willis C., Chicago, Ill. Thermostatic pressure-regulator. No. 1,074,660; Oct. 7; Gaz. vol. 195; p. 26.
- Squires, Charles W., Beverly, Mass. Circuit-controlling mechanism for electric-railway switches. No. 1,080,730; Dec. 9; Gaz. vol. 197; p. 312.
- Squires, Frederick, *et al.* (See Vought, Henry H., Jr., assignor.)
- Squires, John W., Stockton, Cal. Cultivator. No. 1,059,498; Apr. 22; Gaz. vol. 189; p. 843.
- Squires, Oliver P. M., Laporte, Ind. Coupling. No. 1,050,308; Jan. 14; Gaz. vol. 186; p. 370.
- St. Amont, Alph. (See Willis, Elmer E., assignor.)
- St. Anthony, Louis F., assignor of one-half to A. H. La Rue, Worcester, Mass. Pneumatic carpet-cleaner. No. 1,059,645; Apr. 22; Gaz. vol. 189; p. 891.
- St. Clair, John, Punxsutawney, Pa. Stick-pin fastener. No. 1,070,075; Aug. 12; Gaz. vol. 193; p. 368.
- St. Helens, Joseph B., Rochester, N. Y. Metallic box. No. 1,065,404; June 24; Gaz. vol. 191; p. 863.
- St. James, Louis. (See Kliber, William C., assignor.)
- St. John, Erastus R. (See Black and St. John.)
- St. John, Gamaliel C. (See Rankins, Frederic A. D., assignor.)
- St. John, Lee R., Seattle, Wash. Cooking utensil. No. 1,080,861; Dec. 9; Gaz. vol. 197; p. 361.
- St. Louis Cash Register Company. (See Patten, Elmer E., assignor.)
- St. Louis University. (See Eils, Henry F., assignor.)
- St. Marie, Amie C. (See Doeringer and St. Marie.)
- St. Mars, Albert J., Coleraine, Minn. Tube-swage. No. 1,051,777; Jan. 28; Gaz. vol. 186; p. 937.
- St. Onge, Amasa, Providence, R. I. Cotton-picker machine. No. 1,073,785; Sept. 23; Gaz. vol. 194; p. 822.
- St. Onge, Amasa, Providence, R. I. Cotton-picking machine. No. 1,076,715; Oct. 28; Gaz. vol. 195; p. 843.
- St. Paul Foundry Company. (See Allenson, John, assignor.)
- Staaf, Werner I., assignor of one-half to E. B. Tyler, Pittsburgh, Pa. Water-trap. No. 1,076,324; Oct. 21; Gaz. vol. 195; p. 652.
- Staaf, Werner I., assignor of one-half to E. B. Tyler, Pittsburgh, Pa. Mechanism for weighing liquids. No. 1,082,614; Dec. 30; Gaz. vol. 197; p. 1051.
- Stabe, Feodor, Lankwitz, near Berlin, assignor to Internationale Präzisions-Schmierapparate Aktiengesellschaft, Berlin, Germany. Oil-drop lubricator. No. 1,075,871; Oct. 14; Gaz. vol. 195; p. 468.
- Staby, Wilhelm, Ludwigshafen-on-the-Rhine, Germany. Radiator-valve. No. 1,080,858; Dec. 9; Gaz. vol. 197; p. 360.
- Stacey, Frank, Birmingham, England. Grinding-rolls for treating wheat and other granular substances. No. 1,055,096; Mar. 4; Gaz. vol. 188; p. 151.
- Stacey, Lyman S., Quincy, assignor to W. E. McKee, Boston, Mass. Hose-coupling. No. 1,067,202; July 8; Gaz. vol. 192; p. 478.
- Stacey, William A., Chicago, Ill. Self-locking lamp-socket. No. 1,054,946; Mar. 4; Gaz. vol. 188; p. 99.
- Stacey, William A., Chicago, Ill., assignor to The Bryant Electric Company, Bridgeport, Conn. Shade-holder. No. 1,050,247; Jan. 14; Gaz. vol. 186; p. 348.
- Stacey, William S. (See Wright, James, assignor.) (Re-issue.)
- Stachel, Arthur E., Chicago, Ill. Gas-turbine. No. 1,073,717; Sept. 23; Gaz. vol. 194; p. 801.
- Stachel, Arthur E., Chicago, Ill. Tire-heater. No. 1,082,367; Dec. 23; Gaz. vol. 197; p. 934.
- Stack, Maurice J., Cohoes, N. Y. Means for folding and rolling up cotton-batting. No. 1,053,544; Feb. 18; Gaz. vol. 187; p. 659.
- Stackhouse, George A., Fruitvale, assignor to Pacific Spring Bed Co., West Berkeley, Cal. Bed. No. 1,053,888; Feb. 18; Gaz. vol. 187; p. 772.
- Stackhouse, Stephen D., Glenlyon, Pa. Fly-wheel jack. No. 1,082,452; Dec. 23; Gaz. vol. 197; p. 960.
- Stacy, Charles E., Harrison township, Montgomery county, Ohio. Automatic food protecting and feeding device for chickens. No. 1,053,447; Feb. 18; Gaz. vol. 187; p. 625.
- Stacy, Ely A., New York, N. Y. Combination barrette and comb. No. 1,050,869; Jan. 21; Gaz. vol. 186; p. 597.
- Stacy, James N., and A. W. Hoag, assignors to N. G. Barber, New York, N. Y. Paper-fastening device. No. 1,055,680; Mar. 11; Gaz. vol. 188; p. 380.
- Stadig, Francis E., St. Francis, Me. Sled attachment for automobiles. No. 1,070,301; Aug. 12; Gaz. vol. 193; p. 447.
- Stadler, Andrew, assignor of one-half to A. W. Beckman, Altoona, Pa. Railway signaling device. No. 1,075,169; Oct. 7; Gaz. vol. 195; p. 199.
- Stadtmiller, Henry R., assignor to The Yale & Towne Manufacturing Company, Stamford, Conn. Knob shank and holder. No. 1,062,933; May 27; Gaz. vol. 190; p. 919.
- Stafford Company, The. (See Jackson, Simeon S., assignor.)
- Stafford, Hal R. (See Rennie and Stafford.)
- Stafford, Hal R., Schenectady, N. Y. Compound locomotive. No. 1,066,232; July 1; Gaz. vol. 192; p. 117.
- Stafford, Hal R., Schenectady, N. Y. Compound locomotive. No. 1,066,334; July 1; Gaz. vol. 192; p. 152.
- Stafford, Hal R., Plainfield, N. J., and R. Rennie, Schenectady, N. Y. Steam-engine valve-reversing gear. No. 1,077,862; Nov. 4; Gaz. vol. 196; p. 212.
- Stafford, Tyra B., assignor of one-fourth to H. H. Cleland, Spokane, Wash. Switch-operating mechanism. No. 1,055,293; Mar. 4; Gaz. vol. 188; p. 213.
- Stafford, Wayne, Blue Ball, Pa. Ball-and-socket pipe-union. No. 1,076,921; Oct. 28; Gaz. vol. 195; p. 916.
- Stafford, William J., Quincy, Ill. Leg-lifting caster. No. 1,051,026; Jan. 21; Gaz. vol. 186; p. 653.
- Stage, Joseph B., Wabeno, Wis. Artificial limb. No. 1,077,012; Oct. 28; Gaz. vol. 195; p. 949.
- Staggs, John, assignor of one-eighth to T. E. Ragsdale, Washington, D. C. Fastener. No. 1,067,281; July 15; Gaz. vol. 192; p. 542.
- Stagner, Joseph W., Springfield, Mo. Food and dish warmer. No. 1,067,152; July 8; Gaz. vol. 192; p. 461.
- Stahl, David W., Snyder county, Pa. Grain-separator. No. 1,051,027; Jan. 21; Gaz. vol. 186; p. 654.
- Stahl, George, assignor to The Edgemont Machine Company, Dayton, Ohio. Friction-clutch. No. 1,062,860; May 27; Gaz. vol. 190; p. 894.
- Stahl, George W. (See Anderson and Engel, assignors.)
- Stahl, Lee A. (See Schollenberger, Edmund M., assignor.)
- Stahl, William H., New Berlinville, Pa. Washing-machine. No. 1,076,247; Oct. 21; Gaz. vol. 195; p. 624.
- Stahlbrodt Company, The. (See Samuel, Henri S., assignor.) (Reissue.)
- Stahlwerk Becker Aktiengesellschaft. (See Hoffmann, Oscar, assignor.)
- Stake, William, Chicago, Ill. Anvil-base. No. 1,080,238; Dec. 2; Gaz. vol. 197; p. 112.
- Stalder, John J., Meade, Kans. Cultivator-tooth. No. 1,073,642; Sept. 23; Gaz. vol. 194; p. 771.
- Staley, Sylvester C., Centralia, Ill. Gage-cock. No. 1,067,945; July 22; Gaz. vol. 192; p. 799.
- Stall & Dean Manufacturing Company. (See Cameron, John S., assignor.)
- Stalport, Gustave. (See Plante and Stalport.)
- Stamets, Ira E. (See Harthill and Stamets.)
- Stamford Gas Stove Company. (See Collins, Warren, assignor.)
- Stamm, Benjamin F., Hunt, Ill. Safety-razor-blade holder. No. 1,077,171; Oct. 28; Gaz. vol. 195; p. 997.
- Stamm, Charles H., assignor of one-third to J. H. Panabaker and one-third to E. Cox, Kokomo, Ind. Waterproof burial-vault. No. 1,056,955; Mar. 25; Gaz. vol. 188; p. 880.
- Stamm, Ernest W., St. Louis, Mo. Box-fastener. No. 1,080,859; Dec. 9; Gaz. vol. 197; p. 360.
- Stamm, George T., Upland, Cal. Fruit-drier. No. 1,078,110; Nov. 11; Gaz. vol. 196; p. 330.
- Stammshulte, Friedrich, Torgau, assignor to Dellwik-Fleischer Wassergas Gesellschaft m. b. H., Frankfurt-on-the-Main, Germany. Recuperator. No. 1,080,383; Dec. 2; Gaz. vol. 197; p. 165.
- Stamps, Frederick A., Niagara Falls, N. Y. Gas-calorimeter. No. 1,058,483; Apr. 8; Gaz. vol. 189; p. 418.
- Stanard, Frank H., assignor of one-half to E. F. Nisbet, Denver, Colo. Means for generating motive fluid for motor-cars. No. 1,067,771; July 15; Gaz. vol. 192; p. 708.
- Stanat, William, Clear Lake, Wis. Knife-cylinder. No. 1,076,714; Oct. 28; Gaz. vol. 195; p. 843.
- Stanberry, Seymore, Greenup, Ill. Animal-trap. No. 1,054,050; Feb. 25; Gaz. vol. 187; p. 867.
- Stanbery, George A., Zanesville, Ohio, assignor to American Encaustic Tiling Company, Limited, New York, N. Y. Machine for classifying tiles. No. 1,078,883; Nov. 18; Gaz. vol. 196; p. 629.
- Stanbou, Charles P., Lynn, Mass., assignor to United Shoe Machinery Company, Paterson, N. J. Work-moistening machine. No. 1,057,099; Mar. 25; Gaz. vol. 188; p. 930.

Alphabetical list of patentees—Continued.

- Stanbon, Charles P., Lynn, assignor to United Shoe Machinery Company, Boston, Mass. Welt-preparing machine. No. 1,060,716; May 6; Gaz. vol. 190; p. 53.
- Stanbon, Charles P., Lynn, Mass., assignor to United Shoe Machinery Company, Paterson, N. J. Box for holding rolls of welt. No. 1,076,073; Oct. 21; Gaz. vol. 195; p. 565.
- Stanbrough, William M., Newburgh, N. Y. Ice-boat. No. 1,082,831; Dec. 30; Gaz. vol. 197; p. 1127.
- Stanciliff, Lynn E., *et al.* (See De Force, George I., assignor.)
- Standard Alcohol Company. (See Gallagher, Francis E., assignor.)
- Standard Alcohol Company. (See Gallagher and Mork, assignors.)
- Standard Asphalt & Rubber Co. (See Levering, William A., assignor.)
- Standard Auto Spring Wheel Company. (See Rogers, Leo L., assignor.)
- Standard Auto Valve Company. (See Carlisle, Fred B., assignor.)
- Standard Automatic Machine Company. (See Coates, Frederick, assignor.)
- Standard Car Truck Company. (See Barber, John C., assignor.)
- Standard Chemical Company, The. (See Bleecker, Warren F., assignor.)
- Standard Chemical Company. (See Whipple, Dorris, assignor.)
- Standard Company, The. (See Graham, James H., assignor.)
- Standard Company. (See Newton and Canfield, assignors.)
- Standard Computing Scale Company. (See King, Bert W., assignor.)
- Standard Computing Scale Company. (See Osborn, Francis C., assignor.)
- Standard Cone Company. (See Carlsen, Andrew M., assignor.)
- Standard Earth Auger Co. (See Chase, Frank H., assignor.)
- Standard Equipment Company, The. (See Dalfond, Octavien, assignor.)
- Standard Equipment Company. (See Kidd and Strong, assignors.)
- Standard Gas Power Company. (See Akerlund, Gustaf, assignor.)
- Standard Gear Motor Company. (See Clark, Charles H., assignor.)
- Standard General Service Car Company. (See Bertsch, John C., assignor.)
- Standard Heat and Ventilation Company. (See Allbee, Elmer E., assignor.)
- Standard Heat and Ventilation Company. (See Dixon, Robert M., assignor.)
- Standard Heat and Ventilation Company Inc. (See Hulse, George E., assignor.)
- Standard Heat and Ventilation Company. (See Ward, John E., assignor.)
- Standard Machine Company. (See Houseman, Harold E., assignor.)
- Standard Manufacturing Company, The. (See Bilton, Clarence E., assignor.)
- Standard Motor Construction Company. (See Riotte, Eugene A., assignor.)
- Standard Motor Starter Company. (See Johnston, Clarence L., assignor.)
- Standard Motor Truck Co. (See Christianson, Andrew, assignor.)
- Standard Music Roll Company. (See Davis, George H., assignor.)
- Standard Oil Company. (See Burton, William M., assignor.)
- Standard Oil Company. (See Robinson, Clarence I., assignor.)
- Standard Pneumatic Action Co. (See Fiala, Joseph, assignor.)
- Standard Pulley Manufacturing Company. (See Lachman, Maurice, assignor.)
- Standard Roller Bearing Company. (See Woodward, Robert S., Jr., assignor.)
- Standard Rule Company. (See Putnam, George F., assignor.)
- Standard Sanitary Manufacturing Company. (See McKinney, William C., assignor.)
- Standard Sanitary Manufacturing Company. (See Reed, John C., assignor.)
- Standard Saw and Manufacturing Company. (See McKam, Lawrence G., assignor.)
- Standard Sewing Machine Company, The. (See Arnold, Satterlee T., assignor.)
- Standard Sewing Machine Company, The. (See Mack, William A., assignor.)
- Standard Steel Car Co. (See Anderson, Harry T., assignor.)
- Standard Steel Car Company. (See Christianson, Andrew, assignor.)
- Standard Steel Wheel and Tire Armor Company. (See Livingston, Andrew W., assignor.)
- Standard Steel Works Company, The. (See Vollmer and Gibboney, assignors.)
- Standard Tool & Manufacturing Company. (See Runner, John B., assignor.)
- Standard Top & Equipment Company, The. (See Swan, Thomas, assignor.)
- Standard Turpentine & Wood Pulp Company. (See Saylor, Benjamin F. A., assignor.)
- Standard Typewriter Company. (See Petermann, Otto, assignor.)
- Standard Typewriter Company. (See Rose, Frank S., assignor.)
- Standard Underground Cable Company. (See Davis, Charles W., assignor.)
- Standard Varnish Works. (See Beausejour, Reme A., assignor.)
- Standard Varnish Works. (See McAfee, Julius W., assignor.)
- Standard Varnish Works. (See Rosenberg, Herman, assignor.)
- Standard Water Meter Company, The. (See Bangerter, Fred, assignor.)
- Standard Welding Company, The. (See Champ, Joseph H., assignor.)
- Standard Welding Company, The. (See Sessions, Frank L., assignor.)
- Standford, John C., Atlanta, Ga. Necktie. No. 1,073,875; Sept. 23; Gaz. vol. 194; p. 852.
- Standiford, Charles, *et al.* (See Edman, John, assignor.)
- Standish, Albert S., Cleveland, Ohio. Auto tire-protector. No. 1,079,273; Nov. 18; Gaz. vol. 196; p. 762.
- Standley, Meredith G., Cincinnati, Ohio. Registering-stamp. No. 1,058,008; Apr. 1; Gaz. vol. 189; p. 209.
- Standley, Meredith G., Cincinnati, Ohio. Registering-stamp. No. 1,067,448; July 15; Gaz. vol. 192; p. 599.
- Stanecky, Emil and L. H., Chicago, Ill. Weight-cord fastening for window-sashes. No. 1,070,852; Aug. 19; Gaz. vol. 193; p. 674.
- Stanecky, Joseph G., assignor of two-ninths to J. Sipka and one-ninth to A. Chvojka, Chicago, Ill. Window-latch. No. 1,070,377; Aug. 12; Gaz. vol. 193; p. 473.
- Stanecky, Lea H. (See Stanecky, Emil and L. H.)
- Stanford, Arthur L., Chicago, Ill. Tie-plate. No. 1,056,716; Mar. 18; Gaz. vol. 188; p. 767.
- Stanford, Frank H., assignor, by mesne assignments, to Stanford Metal Railroad Tie Company, Elizabeth, N. J. Rail tie and anchor. No. 1,076,612; Oct. 21; Gaz. vol. 195; p. 754.
- Stanford, Harry A., and G. Tugwell, Chicago, Ill. Force-feed oiler. No. 1,054,877; Mar. 4; Gaz. vol. 188; p. 78.
- Stanford Metal Railroad Tie Company. (See Stanford, Frank H., assignor.)
- Stanford, William R. K., Lawley, Ala. Kitchen-range. No. 1,061,699; May 13; Gaz. vol. 190; p. 428.
- Stange, Ottomar, Aspinwall, Pa. Tie for concrete molds or forms. No. 1,078,007; Nov. 11; Gaz. vol. 196; p. 294.
- Stange, Ottomar, Aspinwall, Pa. Concrete piling. No. 1,079,375; Nov. 25; Gaz. vol. 196; p. 828.
- Stanger, Ira L., Pensauken, N. J. Stage-noise apparatus. No. 1,052,185; Feb. 4; Gaz. vol. 187; p. 119.
- Stanger, Ira L., Pensauken, N. J., and C. B. Fithian, Philadelphia, Pa. Stage-noise apparatus. No. 1,060,717; May 6; Gaz. vol. 190; p. 54.
- Stanger, Ira L., Pensauken, N. J., and C. B. Fithian, Philadelphia, Pa. Adjustable seat. No. 1,065,280; June 17; Gaz. vol. 191; p. 783.
- Stanish, Antoni S., Madrid, Iowa. Window-operating device. No. 1,062,997; May 27; Gaz. vol. 190; p. 939.
- Stankewicz, Michael, Chicago, Ill. Railway-road-bed construction. No. 1,051,170; Jan. 21; Gaz. vol. 186; p. 702.
- Stankey, Oscar, East St. Louis, Ill. Temporary cover for cans. No. 1,050,309; Jan. 14; Gaz. vol. 186; p. 370.
- Stankovitch, Petar N., Everett, Wash. Tereproof pile. No. 1,076,248; Oct. 21; Gaz. vol. 195; p. 624.
- Stanley, Arthur M., Lynn, Mass., assignor to General Electric Company. Power-generating system. No. 1,060,034; Apr. 29; Gaz. vol. 189; p. 1063.
- Stanley, Blaine M., Des Moines, Iowa. Check-row seed-planter. No. 1,060,372; Apr. 29; Gaz. vol. 189; p. 1179.
- Stanley, Enos, Des Moines, Iowa. Pneumatic tire. No. 1,064,391; June 10; Gaz. vol. 191; p. 453.
- Stanley, Ethan B., *et al.* (See Canine, Chester W., assignor.)
- Stanley, Ethan B., Cincinnati, Ohio. Brush-cleaner. No. 1,069,350; Aug. 5; Gaz. vol. 193; p. 92.
- Stanley, Franklin H., Cleveland, Ohio, assignor to Stanley Patents Company. Treating cream and similar substances. No. 1,075,514; Oct. 14; Gaz. vol. 195; p. 347.
- Stanley, Frederick E., assignor to Scovill Manufacturing Company, Waterbury, Conn. Tack-fastened button. No. 1,067,946; July 22; Gaz. vol. 192; p. 800.
- Stanley, John C. W., assignor to Stanley Paper Fibre Company, San Francisco, Cal. Wood-pulp digester. No. 1,061,767; May 13; Gaz. vol. 190; p. 448.
- Stanley, John C. W., Santa Cruz, assignor to Stanley Paper Fibre Company, San Francisco, Cal. Method and apparatus for digesting wood and other fibrous materials. No. 1,075,795; Oct. 14; Gaz. vol. 195; p. 442.

Alphabetical list of patentees—Continued.

- Stanley, John O., Holyoke, Mass. Safety cranking device for explosive-engines. No. 1,073,058; Sept. 9; Gaz. vol. 194; p. 509.
- Stanley, John T. (See Meerbott, Percy B., assignor.)
- Stanley Paper Fiber Co. (See Nase, Barnabas T., assignor.)
- Stanley Paper Fibre Company. (See Stanley, John C. W., assignor.)
- Stanley Patents Company. (See Stanley, Franklin H., assignor.)
- Stanley Rule & Level Company, The. (See Bodmer and Burdick, assignors.)
- Stanley Rule & Level Company, The. (See Bodmer and Schade, assignors.)
- Stanley Rule & Level Company, The. (See Burdick and Richards, assignors.)
- Stanley Rule & Level Company. (See Burdick and Schade, assignors.)
- Stanley Rule & Level Company, The. (See Prentice, Thomas, assignor.)
- Stanley Rule & Level Company, The. (See Schade, Albert F., assignor.)
- Stanley, Theodore D., Detroit, Mich. Steering-gear for automobiles. No. 1,065,183; June 17; Gaz. vol. 191; p. 750.
- Stanley, William, Great Barrington, Mass. Heat-insulated receptacle. No. 1,071,817; Sept. 2; Gaz. vol. 194; p. 52.
- Stanley, William, Great Barrington, Mass., assignor to General Electric Company. Electric heater. No. 1,060,718; May 6; Gaz. vol. 190; p. 54.
- Stanley, William, and H. M. Smith, Pittsfield, Mass., assignors to General Electric Company. Electric heater. No. 1,063,614; June 3; Gaz. vol. 191; p. 153.
- Stanley Works, The. (See Fleischer, Herman, assignor.)
- Stanley Works, The. (See Holtzhouser, Jacob P., assignor.)
- Stanley Works, The. (See Rowland, Williams S., assignor.)
- Stannard, Carlton C. (See Cook and Stannard.)
- Stansbury, Maude V., Auburn, N. Y. Bust-girdle. No. 1,063,399; June 3; Gaz. vol. 191; p. 78.
- Stanton, C. W. (See Markwell, Andrew E., assignor.)
- Stanton, George A., Placerville, Cal. Ore-roaster. No. 1,056,376; Mar. 18; Gaz. vol. 188; p. 648.
- Stanton, George A., Placerville, Cal. Ore crusher and pulverizer. No. 1,068,539; July 29; Gaz. vol. 192; p. 1042.
- Stanton, Luther B., and E. G. Dowda, Columbia, S. C.; said Dowda assignor to said Stanton. Well-bucket. No. 1,062,196; May 20; Gaz. vol. 190; p. 633.
- Staples, Albert F. (See Hick and Staples.)
- Staples, Albert F., Buffalo, N. Y. Till. No. 1,052,854; Feb. 11; Gaz. vol. 187; p. 377.
- Staples, Albert F., assignor to Superior Register Company, Canisteo, N. Y. Bill-clip. No. 1,066,335; July 1; Gaz. vol. 192; p. 153.
- Staples, Albert F., and H. J. Hick, assignors to The McCaskey Register Company, Alliance, Ohio. Filing appliance. No. 1,051,463; Jan. 28; Gaz. vol. 186; p. 833.
- Staples, Elial M., Elizabeth, N. J. Folding top for vehicles. No. 1,061,641; May 13; Gaz. vol. 190; p. 407.
- Staples, John A., Newburgh, N. Y. Temporary connecting and applying device for automobile tire-chains. No. 1,072,522; Sept. 9; Gaz. vol. 194; p. 319.
- Staples, John A., Newburgh, N. Y. Foot-operated control device. No. 1,080,936; Dec. 9; Gaz. vol. 197; p. 386.
- Staples, Willard G., Newburyport, assignor to Federal Metallic Packing Company, Boston, Mass. Metal-strand machine. No. 1,063,895; June 3; Gaz. vol. 191; p. 248.
- Star, Richard, U. S. Navy. Apparatus for indicating the speed of ships. No. 1,052,387; Feb. 4; Gaz. vol. 187; p. 185.
- Star, Richard, U. S. Navy. Automatic speed indicating and registering device. No. 1,080,494; Dec. 2; Gaz. vol. 197; p. 201.
- Star Speedometer Company. (See Dudley and Greenleaf, assignors.)
- Star Tool Manufacturing Company, The. (See Blizzard and Colthar, assignors.)
- Starbuck, Joseph F., Philadelphia, Pa. Vehicle-wheel. No. 1,053,889; Feb. 18; Gaz. vol. 187; p. 774.
- Starck, Henry, London, England. Bagpipe-chanter. No. 1,069,200; Aug. 5; Gaz. vol. 193; p. 39.
- Starck, Mathias, Cincinnati, Ohio. Cigar-tip cutter. No. 1,053,890; Feb. 18; Gaz. vol. 187; p. 774.
- Stark, Alma P., Spanish Fork, Utah. Nut-lock. No. 1,077,763; Nov. 4; Gaz. vol. 196; p. 180.
- Stark, Bayard, Munger, Mich. Self-coupling mine-car bumper. No. 1,067,384; July 15; Gaz. vol. 192; p. 577.
- Stark, Charles, Foreston, Minn. Sled. No. 1,082,565; Dec. 30; Gaz. vol. 197; p. 1033.
- Stark, Frank H., Ceraopolis, Pa. Journal-box. No. 1,067,153; July 8; Gaz. vol. 192; p. 462.
- Starke, Carl, Hoboken, N. J. Garment-stretcher. No. 1,074,661; Oct. 7; Gaz. vol. 195; p. 26.
- Starke, George C., Auburn Mills, Va. Hay-curing rack. No. 1,059,780; Apr. 22; Gaz. vol. 189; p. 936.
- Starkenstein, Joseph. (See Snyder and Starkenstein.)
- Starker, Charles C., *et al.* (See Lewis, Albert H., assignor.)
- Starker, Charles R., *et al.* (See Lewis, Albert H., assignor.)
- Starkey, Armstrong M., McKinney, Tex. Automatic equalizing-valve. No. 1,053,666; Feb. 18; Gaz. vol. 187; p. 700.
- Starkey, Charles C., assignor of one-half to C. R. Simmons, Garden Grove, Cal. Detachable hitching device. No. 1,059,084; Apr. 15; Gaz. vol. 189; p. 664.
- Starkey, Charles T., Martha, Okla. Cultivating cotton-chopper. No. 1,054,995; Mar. 4; Gaz. vol. 188; p. 116.
- Starkey, Thomas J., Cozad, Nebr. Sash-holder. No. 1,075,444; Oct. 14; Gaz. vol. 195; p. 324.
- Starkey, William P., Harrisburg, Pa., assignor to T. E. Martin, Buffalo, N. Y. Mechanical stoker. No. 1,077,494; Nov. 4; Gaz. vol. 196; p. 90.
- Starkweather, Henry W., assignor to Winchester Repeating Arms Co., New Haven, Conn. Mushrooming bullet. No. 1,063,748; June 3; Gaz. vol. 191; p. 200.
- Starkweather, Henry W., assignor to Winchester Repeating Arms Co., New Haven, Conn. Mushroom-bullet. No. 1,077,564; Nov. 4; Gaz. vol. 196; p. 113.
- Starkweather, Henry W., assignor to Winchester Repeating Arms Co., New Haven, Conn. Mushroom-bullet. No. 1,081,065; Dec. 9; Gaz. vol. 197; p. 426.
- Starr, Alden B., New York, N. Y., assignor to Starr Package Machinery Company, Inc. Tube-making machine. No. 1,077,764; Nov. 4; Gaz. vol. 196; p. 180.
- Starr, Arthur F., La Mesa, Cal. Corn-planter. No. 1,057,985; Apr. 1; Gaz. vol. 189; p. 201.
- Starr Bros. Bell Co., The. (See Nichols, Edward P., assignor.)
- Starr, Harry D., Santa Cruz, Cal. Sulfur-vaporizer. No. 1,065,319; June 17; Gaz. vol. 191; p. 797.
- Starr, John E., assignor to Railway and Stationary Refrigerating Company, New York, N. Y. Powder or explosive magazine for war-ships. No. 1,079,069; Nov. 18; Gaz. vol. 196; p. 695.
- Starr, John H., assignor to E. A. Mallory and Sons, Incorporated, Danbury, Conn. Attachment for producing a positive length of nap. No. 1,052,855; Feb. 11; Gaz. vol. 187; p. 377.
- Starr, John H., assignor to E. A. Mallory and Sons, Incorporated, Danbury, Conn. Attachment for producing a positive length of nap. No. 1,052,856; Feb. 11; Gaz. vol. 187; p. 377.
- Starr, John H., assignor to E. A. Mallory and Sons, Incorporated, Danbury, Conn. Machine for wet-brushing hat-bodies. No. 1,052,857; Feb. 11; Gaz. vol. 187; p. 378.
- Starr, John H., assignor to E. A. Mallory and Sons, Incorporated, Danbury, Conn. Hat-tip-clipping machine. No. 1,059,687; Apr. 22; Gaz. vol. 189; p. 905.
- Starr, Lester M., Toledo, Oreg. Attachment for sewing-machines. No. 1,071,365; Aug. 26; Gaz. vol. 193; p. 879.
- Starr Package Machinery Company. (See Starr, Alden B., assignor.)
- Starr Piano Company. (See Draper, Francis W., assignor.)
- Starrett, Laroy S., assignor to L. S. Starrett Company, Athol, Mass. Folding tape-reel. No. 1,056,849; Mar. 25; Gaz. vol. 188; p. 842.
- Starrett, Laroy S., and J. A. Adell, assignors to L. S. Starrett Company, Athol, Mass. Ratchet-wrench. No. 1,056,848; Mar. 25; Gaz. vol. 188; p. 842.
- Starry, Frank T., Blueside, Wash. Current-motor. No. 1,068,283; July 22; Gaz. vol. 192; p. 917.
- Startzman, Harry K., *et al.* (See Jones, Albert M., assignor.)
- Stary, Emil P., Cedar Rapids, Iowa. Flushing-tank. No. 1,074,220; Sept. 30; Gaz. vol. 194; p. 996.
- Stasch, Valentin, Friedenshütte, Germany. Safety-brake. No. 1,056,717; Mar. 18; Gaz. vol. 188; p. 768.
- Stassano, Ernesto, Turin, Italy. Electric furnace. No. 1,059,499; Apr. 22; Gaz. vol. 189; p. 844.
- Staton, John W., Brownwood, Tex. Cotton-sack clamp. No. 1,068,014; July 22; Gaz. vol. 192; p. 824.
- Staub, Bernard, New York, N. Y. Automatic cut-off for gas-burners. No. 1,057,181; Mar. 25; Gaz. vol. 188; p. 958.
- Staub, Charles H., Pittsburgh, Pa. Shock-absorber for vehicles. No. 1,069,587; Aug. 5; Gaz. vol. 193; p. 171.
- Staub, George A., Beallsville, Md. Band-cutter and feeder attachment for threshing-machines. No. 1,057,182; Mar. 25; Gaz. vol. 188; p. 958.
- Staub, Nikolaus, Schiffweiler, Germany. Rock-drill. No. 1,056,132; Mar. 18; Gaz. vol. 188; p. 568.
- Stauber, Charles J. (See Hixon and Stauber.)
- Stäuble, Gebr. (See Hausermann, Jakob, assignor.)
- Staudinger, Hermann A. F., Karlsruhe, assignor to Badische Anilin & Soda Fabrik, Ludwigshafen-on-the-Rhine, Germany. Producing isoprene. No. 1,065,182; June 17; Gaz. vol. 191; p. 749.
- Stauffer, Henry L., Lansdale, Pa. Pipe-vise post. No. 1,054,246; Feb. 25; Gaz. vol. 187; p. 934.
- Stauffer, John, Vancouver, British Columbia, Canada. Tubular mortise-lock. No. 1,055,364; Mar. 11; Gaz. vol. 188; p. 276.

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- Staunton, Gray. (See Lakey and Staunton.)
- Staunton, Gray, Muskegon, Mich. Vacuum-package and means for sealing same. No. 1,079,450; Nov. 25; Gaz. vol. 196; p. 853.
- Staunton, Gray, assignor, by mesne assignments, to W. S. Potwin, Chicago, Ill. Pontianak compound and preparing same. No. 1,078,070; Nov. 11; Gaz. vol. 196; p. 316.
- Stavely, Charles E., *et al.* (See Day, Harry L., assignor.)
- Stavinoha, Adolph, Engle, Tex. Harrow and cultivator. No. 1,080,663; Dec. 9; Gaz. vol. 197; p. 289.
- Stayman, David F., Philadelphia, Pa. Grate. No. 1,052,625; Feb. 11; Gaz. vol. 187; p. 299.
- Stayman, David F., Philadelphia, Pa. Piston-valve. No. 1,054,625; Feb. 25; Gaz. vol. 187; p. 1062.
- Staziak, John, Seattle, Wash. Vending-machine. No. 1,072,051; Sept. 2; Gaz. vol. 194; p. 130.
- Sté. Ame. pour l'Exploitation des Procédés Westinghouse Leblanc. (See Leblanc, Maurice, assignor.)
- Steadman, Thomas P., Elsie, Mich. Transmission mechanism. No. 1,054,468; Feb. 25; Gaz. vol. 187; p. 1010.
- Stedman, Willard G., Jr., Southington, Conn. Tooth-powder container. No. 1,081,785; Dec. 16; Gaz. vol. 197; p. 704.
- Steam Power Devices Company, The. (See Winslow, William H., assignor.)
- Stearns, Charles A., Encinitas, Cal. Coin-holder. No. 1,083,149; Dec. 30; Gaz. vol. 197; p. 1231.
- Stearns, Frank A., Hot Springs, Ark. Well-bucket. No. 1,061,136; May 6; Gaz. vol. 190; p. 198.
- Stearns, Frank R., Los Angeles, Cal. Beet-topping machine. No. 1,069,351; Aug. 5; Gaz. vol. 193; p. 92.
- Stearns, George C., Jr., Jackson, Mich. Sanitary drinking-cup. No. 1,060,863; May 6; Gaz. vol. 190; p. 104.
- Stearns, Waldo B., Mishawaka, Ind. Curtain-stretcher. No. 1,065,402; June 24; Gaz. vol. 191; p. 862.
- Stearns, Walter A., Chicago, Ill., assignor to American Steel Foundries, New York, N. Y. Car-underframe. No. 1,079,958; Dec. 2; Gaz. vol. 197; p. 12.
- Stearns, William F., Evanston, Ill. Insect-destroyer. No. 1,065,742; June 24; Gaz. vol. 191; p. 978.
- Stebbins, Anson W., assignor of one-half to J. R. Theriot, Gueydan, La. Rail-joint. No. 1,057,293; Mar. 25; Gaz. vol. 188; p. 996.
- Stebbins, Clarence B., Wichita, Kans. Railway-tie. No. 1,078,754; Nov. 18; Gaz. vol. 196; p. 584.
- Stebbins, Harry H., Oelwein, Iowa. Clothes-pin holder. No. 1,053,749; Feb. 18; Gaz. vol. 187; p. 729.
- Stebbins, Timothy, assignor to Red Jacket Manufacturing Company, Davenport, Iowa. Three-way valve. No. 1,053,327; Feb. 18; Gaz. vol. 187; p. 584.
- Stebbins, Walter A., and M. R. Berger, Philadelphia, Pa. Cloth-rubbing device. No. 1,064,784; June 17; Gaz. vol. 191; p. 622.
- Steber, Bernard T., Utica, assignor to New Hartford Cotton Manufacturing Company, New Hartford, N. Y. Machine for slitting cloth. (Reissue.) No. 1,3528; Feb. 11; Gaz. vol. 187; p. 479.
- Steber, Bernard T., Utica, assignor to New Hartford Cotton Manufacturing Company, New York, N. Y. Cloth-guiding machine. No. 1,062,423; May 20; Gaz. vol. 190; p. 708.
- Steber, Bernard T., assignor to The Steber Machine Company, Utica, N. Y. Knitting-machine. No. 1,062,557; May 20; Gaz. vol. 190; p. 751.
- Steber Machine Company, The. (See Steber, Bernard T., assignor.)
- Stebler, Fred. (See McIntosh, Charles C., assignor.)
- Stecher, Frank A., assignor to Stecher Lithographic Co., Rochester, N. Y. Receptacle. No. 1,060,719; May 6; Gaz. vol. 190; p. 54.
- Stecher Lithographic Co. (See Stecher, Frank A., assignor.)
- Stecker, Alfred J., assignor to F. Wardell, Detroit, Mich. Liquid-level indicator. No. 1,055,365; Mar. 11; Gaz. vol. 188; p. 276.
- Steckert, Christopher A., and E. W. O'Brien; said O'Brien assignor to C. W. Payne, Rocky Mount, N. C. Locomotive-frame-pedestal brace. No. 1,068,944; July 29; Gaz. vol. 192; p. 1185.
- Stedman, Charles R., Cleveland, Ohio. Sound insulation. No. 1,076,074; Oct. 21; Gaz. vol. 195; p. 565.
- Stedman, George M., Aurora, Ind. Mixing-machine. No. 1,074,388; Sept. 30; Gaz. vol. 194; p. 1052.
- Stedman, William H., assignor to The Merrow Machine Company, Hartford, Conn. Feeding mechanism for sewing-machines. No. 1,071,108; Aug. 26; Gaz. vol. 193; p. 794.
- Stedman, William H., assignor to The Merrow Machine Company, Hartford, Conn. Feeding mechanism for sewing-machines. No. 1,071,818; Sept. 2; Gaz. vol. 194; p. 52.
- Steedman, Edwin H., St. Louis, Mo. Bridge-crane. No. 1,053,545; Feb. 18; Gaz. vol. 187; p. 659.
- Steedman, Edwin H., St. Louis, assignor to Curtis & Company Manufacturing Company, Wellston, Mo. Tongue-switch. No. 1,049,618; Jan. 7; Gaz. vol. 186; p. 104.
- Steedman, Edwin H., St. Louis, assignor to Curtis & Company Manufacturing Company, Wellston, Mo. Tongue-switch. No. 1,049,936; Jan. 7; Gaz. vol. 186; p. 209.
- Steedman, George F., St. Louis, Mo. Locking mechanism for transfer-cranes. No. 1,053,667; Feb. 18; Gaz. vol. 187; p. 701.
- Steedman, George F., St. Louis, Mo. Closed-hopper sand-blast. No. 1,073,876; Sept. 23; Gaz. vol. 194; p. 852.
- Steedman, George F., St. Louis, Mo. Pressure-controlling device. No. 1,075,170; Oct. 7; Gaz. vol. 195; p. 200.
- Steedman, George F., St. Louis, Mo. Automatic-return fluid-operated device. No. 1,079,613; Nov. 25; Gaz. vol. 196; p. 912.
- Steege, Henry W., Westgate, Iowa. Wagon-hoist. No. 1,080,083; Dec. 2; Gaz. vol. 197; p. 58.
- Steege, Henry W., Westgate, Iowa. Corn rack and elevator. No. 1,080,084; Dec. 2; Gaz. vol. 197; p. 58.
- Steege, Herman S., Harrisburg, Ill. Type-chase. No. 1,066,336; July 1; Gaz. vol. 192; p. 153.
- Steel Fireproofing Company. (See Roberts, Edward E., assignor.)
- Steel Heddle Manufacturing Company. (See Kaufmann, Jacob, assignor.)
- Steel, Leonard R., Cleveland, Ohio. Milk-can. No. 1,051,028; Jan. 21; Gaz. vol. 186; p. 654.
- Steel, Leonard R., Cleveland, Ohio. Milk-can. No. 1,053,236; Feb. 18; Gaz. vol. 187; p. 551.
- Steel, Leonard R., Cleveland, Ohio. Milk-can. No. 1,053,237; Feb. 18; Gaz. vol. 187; p. 552.
- Steel, Leonard R., Cleveland, Ohio. Milk-can. No. 1,055,950; Mar. 11; Gaz. vol. 188; p. 471.
- Steel, Leonard R., Cleveland, Ohio. Liquid-cooling apparatus. No. 1,057,893; Apr. 1; Gaz. vol. 189; p. 170.
- Steel, Leonard R., Cleveland, Ohio. Heat-insulated milk-can. No. 1,059,230; Apr. 15; Gaz. vol. 189; p. 713.
- Steel, Leonard R., Cleveland, Ohio. Vacuum-insulated oyster-can. No. 1,067,070; July 8; Gaz. vol. 192; p. 432.
- Steel, Leonard R., Cleveland, Ohio. Heat-insulated can. No. 1,067,071; July 8; Gaz. vol. 192; p. 432.
- Steel, Leonard R., Cleveland, Ohio. Vacuum-insulated metal milk-can. No. 1,067,072; July 8; Gaz. vol. 192; p. 432.
- Steel, Leonard R., Cleveland, Ohio. Milk-can. No. 1,071,968; Sept. 2; Gaz. vol. 194; p. 102.
- Steel Package Company. (See Galbally, David B., assignor.)
- Steel Railway Tie and Appliance Company, The. (See Shane, George H., assignor.)
- Steel Specialties Company. (See Worth, Elvin P., assignor.)
- Steelback Ladder Company, The. (See Mote, Horace, assignor.)
- Steele, Albert H. (See Hayes and Steele.)
- Steele, Albert V., Bedford, Ind. Sand-pump. No. 1,059,085; Apr. 15; Gaz. vol. 189; p. 665.
- Steele, Charles. (See Willich, John G., assignor.)
- Steele, Charles L. (See Nuffer, George F., assignor.)
- Steele, Edwin C., Oxford, Ind. Water-filter. No. 1,076,075; Oct. 21; Gaz. vol. 195; p. 565.
- Steele, Edwin G. (See Sutton and Steele.)
- Steele, Herbert H., Marcellus, assignor to The Monarch Typewriter Company, Syracuse, N. Y. Type-writing machine. No. 1,050,574; Jan. 14; Gaz. vol. 186; p. 464.
- Steele, Herbert H., Marcellus, assignor to The Monarch Typewriter Company, Syracuse, N. Y. Type-writing machine. No. 1,051,925; Feb. 4; Gaz. vol. 187; p. 26.
- Steele, Herbert H., Marcellus, assignor to The Monarch Typewriter Company, Syracuse, N. Y. Type-writing machine. No. 1,052,020; Feb. 4; Gaz. vol. 187; p. 61.
- Steele, Herbert H., Marcellus, assignor to The Monarch Typewriter Company, Syracuse, N. Y. Type-writing machine. No. 1,052,021; Feb. 4; Gaz. vol. 187; p. 61.
- Steele, Herbert H., Marcellus, assignor to The Monarch Typewriter Company, Syracuse, N. Y. Type-writing machine. No. 1,052,022; Feb. 4; Gaz. vol. 187; p. 62.
- Steele, Herbert H., Marcellus, assignor to The Monarch Typewriter Company, Syracuse, N. Y. Type-writing machine. No. 1,052,186; Feb. 4; Gaz. vol. 187; p. 120.
- Steele, Herbert H., Marcellus, assignor to The Monarch Typewriter Company, Syracuse, N. Y. Type-writing machine. No. 1,053,448; Feb. 18; Gaz. vol. 187; p. 626.
- Steele, Herbert H., Marcellus, assignor to The Monarch Typewriter Company, Syracuse, N. Y. Type-writing machine. No. 1,053,449; Feb. 18; Gaz. vol. 187; p. 626.
- Steele, Herbert H., Marcellus, assignor to The Monarch Typewriter Company, Syracuse, N. Y. Type-writing machine. No. 1,060,646; May 6; Gaz. vol. 190; p. 28.
- Steele, Herbert H., Marcellus, assignor to The Monarch Typewriter Company, Syracuse, N. Y. Type-writing machine. No. 1,062,371; May 20; Gaz. vol. 190; p. 692.
- Steele, Herbert H., Marcellus, assignor to The Monarch Typewriter Company, Syracuse, N. Y. Type-writing machine. No. 1,064,392; June 10; Gaz. vol. 191; p. 453.

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- Steele, Herbert H., Marcellus, assignor to The Monarch Typewriter Company, Syracuse, N. Y. Type-writing machine. No. 1,069,985; Aug. 12; Gaz. vol. 193; p. 337.
- Steele, Herbert H., Marcellus, assignor to The Monarch Typewriter Company, Syracuse, N. Y. Type-writing machine. No. 1,077,495; Nov. 4; Gaz. vol. 196; p. 91.
- Steele, Herbert H., Marcellus, assignor to The Monarch Typewriter Company, Syracuse, N. Y. Type-writing machine. No. 1,080,239; Dec. 2; Gaz. vol. 197; p. 112.
- Steele, Herbert H., Marcellus, assignor, by mesne assignments, to Remington Typewriter Company, Ilion, N. Y. Combined type-writer and telegraph-transmitter. No. 1,071,819; Sept. 2; Gaz. vol. 194; p. 53.
- Steele, James R., Jr., assignor to Champion Wagon Company, Inc., Owego, N. Y. Dumping-wagon. No. 1,081,167; Dec. 9; Gaz. vol. 197; p. 460.
- Steele, Lawrence C., Beaver, Pa. Feed-table. No. 1,050,400; Jan. 14; Gaz. vol. 186; p. 401.
- Steele, Lawrence C., Beaver, Pa. Wire-splicer. No. 1,050,401; Jan. 14; Gaz. vol. 186; p. 402.
- Steele, Lawrence C., Beaver, Pa. Plate-handling machine. No. 1,057,183; Mar. 25; Gaz. vol. 187; p. 959.
- Steele, Lawrence C., Beaver, Pa. Wire-wiping apparatus. No. 1,078,176; Nov. 11; Gaz. vol. 196; p. 352.
- Steele, Lawrence C., Pittsburgh, Pa. Annealing-box. No. 1,068,709; July 29; Gaz. vol. 192; p. 1101.
- Steele, Melvin. (See Rysteda and Steele.)
- Steele, Robert L., *et al.* (See Thomlinson, Christopher E., assignor.)
- Steele, Sumner, Antioch, Cal. Pulp-separator. No. 1,054,323; Feb. 25; Gaz. vol. 187; p. 959.
- Steele, Thomas, assignor to The Columbus Dental Manufacturing Company, Columbus, Ohio. Manufacturing artificial tooth-fronts. No. 1,082,365; Dec. 23; Gaz. vol. 197; p. 933.
- Steele, Thomas, assignor to The Columbus Dental Manufacturing Company, Columbus, Ohio. Interchangeable tooth. No. 1,082,366; Dec. 23; Gaz. vol. 197; p. 934.
- Steele, Walter F. L., *et al.* (See Thomlinson, Christopher E., assignor.)
- Steele, Walter L. (See Sutton and Steele.)
- Steele, William M., Worcester, Mass. Electric timer for explosive-engines. No. 1,064,104; June 10; Gaz. vol. 191; p. 355.
- Stelman, George W., E. H. Sawyer, Vineland, N. J., and M. Fels, Philadelphia, Pa., assignors to Nipper Machine Company, Norma, N. J. Automatic coring-machine. No. 1,066,233; July 1; Gaz. vol. 192; p. 118.
- Stelman, Lewis, assignor of one-half to T. C. Wheaton Co., Millville, N. J. Glass-machine. No. 1,078,965; Nov. 18; Gaz. vol. 196; p. 656.
- Steen, Brit. (See Callahan, Harley W., assignor.)
- Steen, Halfdan A., Pittsburgh, Pa., assignor to Westinghouse Electric and Manufacturing Company. Controller for electric motors. No. 1,075,445; Oct. 14; Gaz. vol. 195; p. 324.
- Steenbock, William G. (See Pabst, William F., assignor.)
- Stenson, James, Minneapolis, Minn. Reading apparatus. No. 1,067,772; July 15; Gaz. vol. 192; p. 708.
- Steer, Alfred G. (See Wood and Steer.)
- Steere, Albert L. and C. H., Petersburg, Va. Machine for shelling and grading peanuts. No. 1,083,150; Dec. 30; Gaz. vol. 197; p. 1231.
- Steere, Charles H. (See Steere, Albert L. and C. H.)
- Steere, Clarence E., Chicago, Ill. Paper-lifting device. No. 1,065,085; June 17; Gaz. vol. 191; p. 719.
- Steese, Marcus C., assignor of one-half to R. C. Steese, Youngstown, Ohio. Preparing coke for charging blast-furnaces. No. 1,054,051; Feb. 25; Gaz. vol. 187; p. 867.
- Steese, Rollin C. (See Steese, Marcus C., assignor.)
- Steevens, Clarence N., Owego, N. Y. Danger-signal for railways. No. 1,064,673; June 10; Gaz. vol. 191; p. 549.
- Stefani, Stefano de, Verona, Italy. Device for protecting electric lines and apparatus against overtension. No. 1,070,743; Aug. 19; Gaz. vol. 193; p. 640.
- Steffen, Adolf, *et al.* (See Gabrys, Georg, assignor.)
- Steffen, Heinrich, Tonndorf-Lohe, near Altrahlstedt, near Hamburg, Germany. Radiator made of wrought-iron. No. 1,078,884; Nov. 18; Gaz. vol. 196; p. 630.
- Steffy, Frank E., Great Falls, Mont. Hydraulic sizing-screen. No. 1,070,552; Aug. 19; Gaz. vol. 193; p. 576.
- Stegeman, Edward F., Rollinsville, Colo. Electric flat-iron. No. 1,055,951; Mar. 11; Gaz. vol. 188; p. 471.
- Stegeman, Oscar, Denver, Colo. Bearing for supporting radiators in automobile-frames. No. 1,062,197; May 20; Gaz. vol. 190; p. 633.
- Steger & Sons Piano Manufacturing Company. (See Swanson, Emil, assignor.)
- Stegner, Clayton W., Nerstrand, Minn. Cow-tail holder. No. 1,078,808; Nov. 18; Gaz. vol. 196; p. 604.
- Stéh, Stéphen, South Bend, Ind. Fan attachment for rocking-chairs. No. 1,058,918; Apr. 15; Gaz. vol. 189; p. 607.
- Stelchen, Theodore, Alton, Iowa. Corn-husking machine. No. 1,077,313; Nov. 4; Gaz. vol. 196; p. 25.
- Steidl, Anton. (See Simanek and Steidl.)
- Steiger, Jacob F., East St. Louis, Ill. Recording-hydrometer. No. 1,067,073; July 8; Gaz. vol. 192; p. 433.
- Stein, Aloysius J. and M., Cleveland, Ohio. Convertible bed-chair. No. 1,055,828; Mar. 11; Gaz. vol. 188; p. 431.
- Stein, Anton. (See Parmentier, George, assignor.)
- Stein, Archibald H., Jacksonville, Fla. Soda-water fountain. No. 1,056,601; Mar. 18; Gaz. vol. 188; p. 729.
- Stein, Harry, Philadelphia, Pa. Garment. No. 1,068,607; July 29; Gaz. vol. 192; p. 1066.
- Stein, Jacob A., New York, N. Y. Box for plumes and similar articles. No. 1,075,446; Oct. 14; Gaz. vol. 195; p. 324.
- Stein, Johannes, Dresden, assignor to H. Roch, Blasewitz, Dresden, Germany. Game appliance. No. 1,072,190; Sept. 2; Gaz. vol. 194; p. 178.
- Stein, Joseph. (See Matthews and Stein.)
- Stein, Joseph, Washington, D. C. Mail-delivering apparatus. No. 1,065,630; June 24; Gaz. vol. 191; p. 940.
- Stein, Lloyd W., Lancaster, Ohio. Cooker. No. 1,060,864; May 6; Gaz. vol. 190; p. 104.
- Stein, Martin. (See Stein, Aloysius J. and M.)
- Stein, Rudolf. (See Michel and Stein.)
- Steinbach, Frederick J., Chicago, Ill. Concrete-drill. No. 1,060,647; May 6; Gaz. vol. 190; p. 28.
- Steinbecker, Karl, Charlottenburg, Germany, assignor to General Electric Company. Internal-combustion engine. No. 1,050,087; Jan. 7; Gaz. vol. 186; p. 261.
- Steinbecker, Karl, Charlottenburg, Germany, assignor to General Electric Company. Means for transmitting motion. No. 1,061,700; May 13; Gaz. vol. 190; p. 428.
- Steinbecker, Karl, Charlottenburg, Germany, assignor to General Electric Company. Piston-cooling device for internal-combustion engines. No. 1,063,615; June 3; Gaz. vol. 191; p. 153.
- Steinbecker, Karl, Charlottenburg, Germany, assignor to General Electric Company. Valve-actuating mechanism for internal-combustion engines. No. 1,066,671; July 8; Gaz. vol. 192; p. 297.
- Steinbecker, Karl, Charlottenburg, Germany, assignor to General Electric Company. Internal-combustion engine. No. 1,066,672; July 8; Gaz. vol. 192; p. 297.
- Steinbecker, Karl, Charlottenburg, Germany, assignor to General Electric Company. Pump for elastic fluids. No. 1,076,462; Oct. 21; Gaz. vol. 195; p. 700.
- Steinbecker, Karl, Charlottenburg, Germany, assignor to General Electric Company. Valve-gear for internal-combustion engines. No. 1,080,495; Dec. 2; Gaz. vol. 197; p. 202.
- Steinberg, Harris G., New York, and D. V. Picker, Far Rockaway, N. Y. Cap. No. 1,050,310; Jan. 14; Gaz. vol. 186; p. 370.
- Steinberg, Israel, New York, N. Y. Package-delivery bicycle. No. 1,050,311; Jan. 14; Gaz. vol. 186; p. 370.
- Steinberg, Jacques, Paris, France. Pneumatic tire for vehicle-wheels. No. 1,067,558; July 15; Gaz. vol. 192; p. 636.
- Steinberg, Morris, *et al.* (See Genovese, Rosario, assignor.)
- Steinberger, Louis, Brooklyn, N. Y. High-voltage strain-insulator. No. 1,054,148; Feb. 25; Gaz. vol. 187; p. 900.
- Steinberger, Louis, Brooklyn, N. Y. Insulating means. No. 1,057,184; Mar. 25; Gaz. vol. 188; p. 959.
- Steinberger, Louis, Brooklyn, N. Y. Insulator. No. 1,072,523; Sept. 9; Gaz. vol. 194; p. 319.
- Steinberger, Louis, Brooklyn, N. Y. Insulator. No. 1,072,524; Sept. 9; Gaz. vol. 194; p. 320.
- Steinberger, Louis, Brooklyn, N. Y. Suspension-insulator. No. 1,072,525; Sept. 9; Gaz. vol. 194; p. 320.
- Steinberger, Louis, New York, N. Y. High-voltage strain-insulator. No. 1,054,469; Feb. 25; Gaz. vol. 187; p. 1010.
- Steinbrecker, Arthur, Calgary, Alberta, Canada. Excavating and dredging machine. No. 1,070,853; Aug. 19; Gaz. vol. 193; p. 675.
- Steinbrenner, Fred, and C. Slemenda, Pittsburgh, Pa. Rail-joint. No. 1,083,036; Dec. 30; Gaz. vol. 197; p. 1195.
- Steinbrueck, John C., Mandan, N. D. Packing-ring. No. 1,083,151; Dec. 30; Gaz. vol. 197; p. 1231.
- Steinbuch, Ewald, Monthey, assignor to Society of Chemical Industry in Basle, Basel, Switzerland. Apparatus for electrolysis of fused alkali chlorids. No. 1,074,988; Oct. 7; Gaz. vol. 195; p. 135.
- Steindorff, Adolf. (See Schmidt and Steindorff.)
- Steineke, Margaretha, Chicago, Ill. Kitchen appliance. No. 1,062,304; May 20; Gaz. vol. 190; p. 670.
- Steinemeyer, Edwin H., *et al.* (See Hollingsworth, Ross, assignor.)
- Steiner, Albin, Sonneberg, Germany, assignor, by mesne assignments, to M. M. Schwarzschild, New York, N. Y. Appliance for producing musical sounds. No. 1,055,681; Mar. 11; Gaz. vol. 188; p. 380.
- Steiner, Arnold, Basel, Switzerland. Manufacture of dyes of the cerulein series. No. 1,054,247; Feb. 25; Gaz. vol. 187; p. 934.

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- Steiner, Isidor, Munich, Germany, assignor of one-half to C. Zoller, New York, N. Y. Automatic apparatus for weighing determined adjustable quantities of materials. No. 1,075,872; Oct. 14; Gaz. vol. 195; p. 468.
- Steiner, Klaus J., Pittsburg, Pa. Shock-absorbing device for vehicles. No. 1,068,182; July 22; Gaz. vol. 192; p. 880.
- Steiner, Richard J., assignor to Philadelphia Pile Fabric Mills, Philadelphia, Pa. Producing imitation pieced skins. No. 1,078,519; Aug. 5; Gaz. vol. 193; p. 172.
- Steiner, Ulrich, assignor to Landis Tool Company, Waynesboro, Pa. Grinding-machine. No. 1,078,563; Nov. 11; Gaz. vol. 196; p. 485.
- Steiner, William W., Wellman, Iowa. Wire-handling apparatus. No. 1,078,519; Nov. 11; Gaz. vol. 196; p. 471.
- Steingässer, Josef, and E. Gottesleben, Mayence, Germany. Wood grinding and polishing machine. No. 1,075,515; Oct. 14; Gaz. vol. 195; p. 347.
- Steingruber, George, Hazlehurst, Miss. Hinge. No. 1,073,537; Sept. 16; Gaz. vol. 194; p. 712.
- Steingutfabrik Gesellschaft m. b. H. (See Koch, Hermann, assignor.)
- Steinhart, Hermann, assignor to Firm of R. Bosch, Stuttgart, Germany. Brush-holder for dynamos. No. 1,073,643; Sept. 23; Gaz. vol. 194; p. 771.
- Steinhauser, Albert, *et al.* (See McKenzie, Clinton J., assignor.)
- Steinhauser, Alfred, Philadelphia, Pa. Vehicle-tire. No. 1,049,937; Jan. 7; Gaz. vol. 186; p. 209.
- Steinhauser, Frank J., Philadelphia, Pa. Window-cleaner. No. 1,081,004; Dec. 9; Gaz. vol. 197; p. 408.
- Steinhoff, Felix, Elberfeld, Germany. Rack or support. No. 1,079,033; Nov. 18; Gaz. vol. 196; p. 683.
- Steinke, Gustave, Denver, Colo. Wrench. No. 1,053,891; Feb. 18; Gaz. vol. 187; p. 774.
- Steinmann, Henry L., Argyle, Mo. Railway-switch stand. No. 1,065,184; June 17; Gaz. vol. 191; p. 750.
- Steinmetz, A., *et al.* (See Waite, William T., assignor.)
- Steinmetz, Charles M., Washington, D. C. Detachable reversible cuff. No. 1,068,464; July 29; Gaz. vol. 192; p. 1017.
- Steinmetz, Charles P., Schenectady, N. Y., assignor to General Electric Company. Incandescent lamp. No. 1,062,305; May 20; Gaz. vol. 190; p. 670.
- Steinmetz, Charles P., Schenectady, N. Y., assignor to General Electric Company. Production of ammonium compounds. No. 1,062,805; May 27; Gaz. vol. 190; p. 876.
- Steinmetz, Charles P., Schenectady, N. Y., assignor to General Electric Company. Arc-lamp electrode. No. 1,082,978; Dec. 30; Gaz. vol. 197; p. 1177.
- Steinmetz, Edward G., and E. W. Smith, assignors to The Electric Storage Battery Company, Philadelphia, Pa. Secondary or storage battery. No. 1,051,645; Jan. 28; Gaz. vol. 186; p. 895.
- Steinmetz, Hermann. (See Maier and Steinmetz.)
- Steinmetz, Joseph A., Philadelphia, Pa. Metal cask. No. 1,060,035; Apr. 29; Gaz. vol. 189; p. 1063.
- Steinmetz, Joseph A., Philadelphia, Pa. Aeroplane. No. 1,067,559; July 15; Gaz. vol. 192; p. 636.
- Steinmetz, Joseph A., Philadelphia, Pa. Apparatus for defending against air-craft. No. 1,067,773; July 15; Gaz. vol. 192; p. 709.
- Steinmüller, Lebrecht, Gummersbach, Germany. Steam-generator. No. 1,054,248; Feb. 25; Gaz. vol. 187; p. 934.
- Steinmüller, Lebrecht, Gummersbach, Germany. Steam-generator. No. 1,069,298; Aug. 5; Gaz. vol. 193; p. 73.
- Steinmüller, Lebrecht, Gummersbach, Germany. Steam-generator. No. 1,069,631; Aug. 5; Gaz. vol. 193; p. 187.
- Steinmüller, Lebrecht, Gummersbach, Germany. Steam-generator. No. 1,069,632; Aug. 5; Gaz. vol. 193; p. 187.
- Steinocher, John, West, Tex. Automatic gun firing mechanism. No. 1,056,602; Mar. 18; Gaz. vol. 188; p. 729.
- Steinpach, Richard, Vienna, Austria-Hungary. Removable tread for heels. No. 1,074,070; Sept. 23; Gaz. vol. 194; p. 917.
- Steinweg, Carl E., Lüdenscheid, Germany. Means for soldering aluminium. No. 1,052,761; Feb. 11; Gaz. vol. 187; p. 344.
- Steitz, John L., Chicago, Ill. Beer-pipe cleanser. No. 1,064,105; June 10; Gaz. vol. 191; p. 355.
- Stelfox, James C., Westminster, London, England, assignor to A. G. Glasgow, Richmond, Va. Water-gas apparatus. No. 1,072,370; Sept. 2; Gaz. vol. 194; p. 238.
- Stell, Alfred, Steeton, near Keighley, and J. Stell, Keighley, assignors of one-third to W. H. Arnold-Foster, Greenholme-Mills, Burley-in-Wharfedale, England. Spinning-machine. No. 1,049,545; Jan. 7; Gaz. vol. 186; p. 78.
- Stell, John. (See Stell, Alfred and J.)
- Stellard, Walter, assignor to Universal Paper Bottle Company, New York, N. Y. Sanitary fluid-dispensing apparatus. No. 1,061,417; May 13; Gaz. vol. 190; p. 328.
- Stellmacher, Wilhelm A., Arbon, Switzerland. Panto-graph-balancing mechanism for embroidering-machines. No. 1,068,284; July 22; Gaz. vol. 192; p. 917.
- Stelter, Francis, Long Island City, assignor to Volvox Machine Company, Inc., New York, N. Y. Dry-cleaning machine for gloves. No. 1,063,841; June 3; Gaz. vol. 191; p. 231.
- Stelzig, Frank, Schulenberg, Tex. Rail-joint. No. 1,066,542; July 8; Gaz. vol. 192; p. 252.
- Stelzig, Oscar. (See George and Stelzig.)
- Stelzner, Hermann, assignor to Firm of Drägerwerk, Heinh. & Bernh. Dräger, Lubeck, Germany. Diving apparatus. No. 1,073,370; Sept. 16; Gaz. vol. 194; p. 656.
- Stemmler, Ferdinand, and C. Schaller, assignors to Grimme, Natalis & Co., Commanditgesellschaft auf Actien Brunswick, Brunswick, Germany. Resetting mechanism for calculating-machines. No. 1,061,137; May 6; Gaz. vol. 190; p. 198.
- Stenberg, Charles H., Elsworth, Iowa. Thermostatic regulator. No. 1,074,578; Sept. 30; Gaz. vol. 194; p. 1113.
- Stenborg, Amaudus S., Guelph, Ontario, Canada. Bearing for cream-separators. No. 1,059,500; Apr. 22; Gaz. vol. 189; p. 844.
- Stendahl, Knut L., assignor to John A. Hurley, Incorporated, Bridgeport, Conn. Attachment for extinguishing oil-stoves when overturned. No. 1,076,168; Oct. 21; Gaz. vol. 195; p. 597.
- Stender, William, West Nutley, N. J. Combination salt and pepper shaker. No. 1,065,981; July 1; Gaz. vol. 192; p. 28.
- Stenersen, Ole, assignor of one-third to G. F. Hagerty and one-third to O. P. Olsen, Brooklyn, N. Y. Ratchet-wrench. No. 1,050,312; Jan. 14; Gaz. vol. 186; p. 371.
- Stenger, W. H. (See Frederickson, Clayton E., assignor.)
- Stenger, William H. S. (See Frederickson and Baldwin, assignors.)
- Stenius, Charles A., South Bend, Ind. Preserving vessel and cover therefor. No. 1,058,640; Apr. 8; Gaz. vol. 189; p. 470.
- Stenman, Elis F., Worcester, assignor, by mesne assignments, to Independent Button Fastener Machine Co. (Inc.), Boston, Mass. Button-setting machine. No. 1,057,894; Apr. 1; Gaz. vol. 189; p. 171.
- Stentzel, Robert W., Montreal, Quebec, Canada. Concrete construction. No. 1,079,152; Nov. 18; Gaz. vol. 196; p. 723.
- Stephan, Karl, Charlottenburg, assignor to Chemische Fabrik auf Actien (vorm. E. Schering), Berlin, Germany. Production of isoprene. No. 1,057,680; Apr. 1; Gaz. vol. 189; p. 97.
- Stephanus, Paul N., Sacramento, Cal. Ash-tongs. No. 1,051,029; Jan. 21; Gaz. vol. 186; p. 654.
- Stephen, Benjamin, and D. R. James, Ambia, Ind. Automobile-lamp control. No. 1,077,172; Oct. 28; Gaz. vol. 195; p. 997.
- Stephen Greene Co. (See Bissex, George E., assignor.)
- Stephen, William A. C., Reed, Okla. Cabinet. No. 1,059,781; Apr. 22; Gaz. vol. 189; p. 936.
- Stephens, Aaron F., Canisteo, N. Y. Milking apparatus. No. 1,073,538; Sept. 16; Gaz. vol. 194; p. 712.
- Stephens, Charles. (See Minton, Charles M., assignor.)
- Stephens, E. A., *et al.* (See Keil, Peter, assignor.)
- Stephens, Edward M., Richmond Hill, N. Y. Fusible link. No. 1,069,201; Aug. 5; Gaz. vol. 193; p. 40.
- Stephens, Elisha A., Portland, Oreg., assignor to International Manufacturing & Mining Co. Dry concentrator. No. 1,083,152; Dec. 30; Gaz. vol. 197; p. 1232.
- Stephens, Elmer E., Los Angeles, Cal. Seat. No. 1,058,270; Apr. 8; Gaz. vol. 189; p. 345.
- Stephens, Ernest A. (See Keil and Stephens.)
- Stephens, Fred C. (See Taylor and Stephens.)
- Stephens, James S., Bono, Ark. Plow-colter. No. 1,050,313; Jan. 14; Gaz. vol. 186; p. 371.
- Stephens, John R., Kansas City, Mo. Car-axle box. No. 1,063,616; June 3; Gaz. vol. 191; p. 154.
- Stephens, John W., Staunton, Va. Feed-water heater and purifier. No. 1,053,070; Feb. 11; Gaz. vol. 187; p. 451.
- Stephens, Louis K., Dallas, Tex. Seed-cotton-hull extractor. No. 1,070,994; Aug. 19; Gaz. vol. 193; p. 720.
- Stephens, Roscoe W., Maricopa, Cal. Dynamometer for casing-screwers and other purposes. No. 1,080,937; Dec. 9; Gaz. vol. 197; p. 386.
- Stephens, William A., Little Rock, Ark. Subsoil-plow attachment. No. 1,062,198; May 20; Gaz. vol. 190; p. 634.
- Stephenson, Charles G., Denver, Colo. Spring front fork for motor-cycles. No. 1,082,775; Dec. 30; Gaz. vol. 197; p. 1108.
- Stephenson, Charles H., and G. R. Peare, deceased, Lynn, Mass.; S. S. Peare, administratrix. Apparatus for bending wired sheet metal. No. 1,073,077; Sept. 9; Gaz. vol. 194; p. 517.
- Stephenson, David C. (See Bitter and Stephenson.)
- Stephenson, James A., and S. J. Billington; said Stephenson assignor to C. H. Anderson, Eliiston, and said Billington assignor to C. L. Friederichs, Helena, Mont. Cattle-guard for roadways. No. 1,055,097; Mar. 4; Gaz. vol. 188; p. 151.
- Stephenson, John W., Toledo, assignor to The National Malleable Castings Company, Cleveland, Ohio. Track-fastening. (Reissue.) No. 13,570; June 3; Gaz. vol. 191; p. 266.

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- Stephenson, Robert, *et al.* (See Flynn and Payne, assignors.)
- Stephenson, Robert. (See Smith and Stephenson.)
- Stephenson, William C., Rocky Mount, N. C. Locomotive-axle bearing. No. 1,079,809; Nov. 25; Gaz. vol. 196; p. 980.
- Stephenson, William C., Woburn, assignor to Vose & Son Piano Company, Boston, Mass. Locking device for automatic player-pianos. No. 1,071,366; Aug. 26; Gaz. vol. 193; p. 880.
- Stephenson, William H., Marion, Ind. Stovepipe-joint. No. 1,075,737; Oct. 14; Gaz. vol. 195; p. 423.
- Stephenson, William P., London, Ontario, Canada. Step and tread plate. No. 1,062,199; May 20; Gaz. vol. 190; p. 634.
- Steps, Robert A., *et al.* (See Binkley, Robah J., assignor.)
- Stereo-Kinema Film Co. (See Wayditch, Aloys, assignor.)
- Stergios, Alexander J., *et al.* (See Hahn, Herman, assignor.)
- Sterilization Company. (See Swinburne, George W., assignor.)
- Sterilization Company. (See Travis and Ault, assignors.)
- Sterling Blower Company. (See Christoph, George W., assignor.)
- Sterling Typewriter Company. (See Paulson, Charles J., assignor.)
- Sterling Valve Company, The. (See Beck, John L., assignor.)
- Stern, Aaron, New York, N. Y. Bathing-cap. No. 1,056,377; Mar. 18; Gaz. vol. 188; p. 649.
- Stern, George. (See Bosch, Mittasch, Wolf, and Stern.)
- Stern, Harry A., New York, N. Y. Bottle. No. 1,070,995; Aug. 19; Gaz. vol. 193; p. 720.
- Stern, Louie, New York, N. Y. Non-refillable bottle. No. 1,067,947; July 22; Gaz. vol. 192; p. 800.
- Stern Manufacturing Company. (See Stern, Walter F., assignor.)
- Stern, Marcus. (See Brousseau, Harry, assignor.)
- Stern, Max, assignor to Farbenfabriken vorm. Friedr. Bayer & Co., Elberfeld, Germany. Pharmaceutical product. No. 1,052,762; Feb. 11; Gaz. vol. 187; p. 344.
- Stern, Max, assignor to Farbenfabriken vorm. Friedr. Bayer & Co., Elberfeld, Germany. Stabilized urea-hydrogen-peroxid compound. No. 1,071,186; Aug. 26; Gaz. vol. 193; p. 819.
- Stern, Milton C. (See Nickol and Stern.)
- Stern, Milton C. (See Schirmer and Stern.)
- Stern, Philip, Hartford, Conn., assignor to Royal Typewriter Company, New York, N. Y. Type-writing machine. No. 1,072,191; Sept. 2; Gaz. vol. 194; p. 178.
- Stern, Philip K., assignor to Monarch Storage Battery Company, New York, N. Y. Electrical accumulator. No. 1,055,366; Mar. 11; Gaz. vol. 188; p. 277.
- Stern, Samuel, *et al.* (See Heil, Albrecht, assignor.)
- Stern, Vasil, Moscow, Russia, assignor, by mesne assignments, to Remington Typewriter Company, Ilion, N. Y. Type-writing machine. No. 1,059,782; Apr. 22; Gaz. vol. 189; p. 936.
- Stern, Walter F., Gap, assignor to Stern Manufacturing Company, Lancaster, Pa. Rotary gas-engine. No. 1,077,314; Nov. 4; Gaz. vol. 196; p. 25.
- Sternad, John, Jersey City, N. J. Tube-cutting tool. No. 1,069,986; Aug. 12; Gaz. vol. 193; p. 338.
- Sternau & Company, S. (See Nelson, Charles, assignor.)
- Sternau & Company, S. (See Nelson and Barker, assignors.)
- Sternau & Company, S. (See Sternau and Nelson, assignors.)
- Sternau & Company, S. (See Sternau, Strassburger, and Lattin, assignors.)
- Sternau, Sigmund, and C. Nelson, New York, assignors to S. Sternau & Company, Brooklyn, N. Y. Bottle shelf or support. No. 1,061,337; May 13; Gaz. vol. 190; p. 300.
- Sternau, Sigmund, L. Strassburger, and A. N. Lattin, assignors to S. Sternau & Company, New York, N. Y. Tea or coffee pot. No. 1,061,336; May 13; Gaz. vol. 190; p. 300.
- Sternecker, Louis, Brooklyn, N. Y. Barrel or receptacle. No. 1,080,601; Dec. 9; Gaz. vol. 197; p. 269.
- Sterzing, Albert A. E., New York, N. Y. Steam-generator. No. 1,049,546; Jan. 7; Gaz. vol. 186; p. 78.
- Stetler, Amos J., West Point, Pa. Cuff-button. No. 1,062,049; May 20; Gaz. vol. 190; p. 582.
- Stetter, John M., Muncie, Ind. Spike-machine. No. 1,070,744; Aug. 19; Gaz. vol. 193; p. 640.
- Stettiner Chamotte-Fabrik Actien-Gesellschaft vorm. Didier. (See Gohmann, Arthur, assignor.)
- Stettiner Chamotte-Fabrik Actien-Gesellschaft vorm. Didier. (See Hohmann, Edmund, assignor.)
- Stettiner Chamotte-Fabrik Actien-Gesellschaft vorm. Didier. (See Mayer, Frederick J., assignor.)
- Stettiner Maschinenbau Aktien Gesellschaft "Vulcan." (See Föttinger, Hermann, assignor.)
- Stettler, Gottfried, Goshen, Ind., assignor to National Dairy Machine Company. Power-transmitting mechanism. No. 1,066,673; July 8; Gaz. vol. 192; p. 298.
- Steuer, Eugen, Neustadt-on-the-Hardt, Germany. Plant for purifying water. No. 1,069,040; July 29; Gaz. vol. 192; p. 1216.
- Steuer, Eugen, Neustadt-on-the-Hardt, Germany. Treating sludge. No. 1,071,367; Aug. 26; Gaz. vol. 193; p. 880.
- Stevens, Alfred L., Chicago, Ill. Railway cross-tie. No. 1,060,373; Apr. 29; Gaz. vol. 189; p. 1180.
- Stevens, Annie L., Fresno, Cal. Doll. No. 1,070,553; Aug. 19; Gaz. vol. 193; p. 576.
- Stevens, Arthur J., and J. H. Horne, assignors to The Barney and Smith Car Company, Dayton, Ohio. Car. No. 1,080,024; Dec. 2; Gaz. vol. 197; p. 37.
- Stevens, Bert, assignor of one-fourth to E. A. Mills and one-fourth to J. McKinney, Harrison, Mich. Door. No. 1,068,540; July 29; Gaz. vol. 192; p. 1042.
- Stevens, Charles, Burlington, Ky. Gate. No. 1,059,916; Apr. 22; Gaz. vol. 189; p. 978.
- Stevens, Charles H., Wimbledon, England. Shock-absorbing device. No. 1,051,773; Jan. 28; Gaz. vol. 186; p. 935.
- Stevens, David, Seattle, Wash. Railway-tie. No. 1,083,037; Dec. 30; Gaz. vol. 197; p. 1195.
- Stevens, Edward F., and W. Roach, Rudolph, Ohio. Road-building machine. No. 1,070,198; Aug. 12; Gaz. vol. 193; p. 411.
- Stevens, Elbridge W., Baltimore, Md. Carbureter for internal-combustion engines. No. 1,057,506; Apr. 1; Gaz. vol. 189; p. 38.
- Stevens, Elmer E. (See Simonson, Anna, assignor.)
- Stevens, Evie, Stillwater, British Columbia, Canada. Truck connection. No. 1,079,318; Nov. 18; Gaz. vol. 196; p. 777.
- Stevens, Frank. (See Werd and Stevens.)
- Stevens, Frank, and F. Spicker, Roundup, Mont. Drilling-machine. No. 1,077,649; Nov. 4; Gaz. vol. 196; p. 141.
- Stevens, Frederick A. (See Norden, Svan, assignor.)
- Stevens, Frederick A., and S. E. Bouchard, Providence, R. I. Welding-machine. No. 1,056,850; Mar. 25; Gaz. vol. 188; p. 842.
- Stevens, Frederick M., assignor to John Chatillon & Sons, New York, N. Y. Adjusting device for scales. No. 1,052,023; Feb. 4; Gaz. vol. 187; p. 62.
- Stevens, George A., Elgin, Ill. Corn-busker. No. 1,068,285; July 22; Gaz. vol. 192; p. 918.
- Stevens, Hansford C., Jenkins, Ky. Combination-lock. No. 1,083,226; Dec. 30; Gaz. vol. 197; p. 1254.
- Stevens, John M., E. D. Harrison, and J. J. Machado, Bakersfield, Cal. Automatic postage-stamp attacher. No. 1,079,892; Nov. 25; Gaz. vol. 196; p. 1008.
- Stevens, Lawrence. (See Ogle, Harley C., assignor.)
- Stevens, Leon K., New York, N. Y., assignor to M. T. Davidson Company. Steam-pump. No. 1,058,804; Apr. 15; Gaz. vol. 189; p. 565.
- Stevens, Leslie, Glen Ridge, N. J. Hat-shaping machine. No. 1,053,668; Feb. 18; Gaz. vol. 187; p. 701.
- Stevens, Leslie, Glen Ridge, N. J. Hat-shaping machine. No. 1,053,669; Feb. 18; Gaz. vol. 187; p. 701.
- Stevens, Leslie, Glen Ridge, N. J. Sectional forming-block. No. 1,057,185; Mar. 25; Gaz. vol. 188; p. 960.
- Stevens, Leslie, Glen Ridge, N. J. Making extension-crown hats. No. 1,070,554; Aug. 19; Gaz. vol. 193; p. 576.
- Stevens, Leslie, Glen Ridge, N. J. Machine for shaping hats. No. 1,070,745; Aug. 19; Gaz. vol. 193; p. 640.
- Stevens, Merton P., East Orange, N. J. Automatic pressure-operated valve. No. 1,060,142; Apr. 29; Gaz. vol. 189; p. 1098.
- Stevens, Merton P., East Orange, N. J. Holder for shades, reflectors, and the like. No. 1,076,463; Oct. 21; Gaz. vol. 195; p. 701.
- Stevens, Paul B., Granville, N. D. Shaft and tongue releasing attachment for vehicles. No. 1,051,973; Feb. 4; Gaz. vol. 187; p. 44.
- Stevens, Richard H., Munhall, Pa. Apparatus for regenerating steam. No. 1,061,573; May 13; Gaz. vol. 190; p. 384.
- Stevens, Richard H., Munhall, Pa. Air-cooled blast-furnace. No. 1,074,097; Sept. 23; Gaz. vol. 194; p. 927.
- Stevens, Richard H., Syracuse, assignor to L. E. Waterman Company, New York, N. Y. Fountain-pen. No. 1,080,176; Dec. 2; Gaz. vol. 197; p. 90.
- Stevens, Robert C. (See Hooper and Stevens.)
- Stevens, Robert C., Erie, Pa. Engine valve-gear. No. 1,072,786; Sept. 9; Gaz. vol. 194; p. 411.
- Stevens, Royal H., Salt Lake City, Utah, assignor to United States Smelting, Refining & Mining Company, Portland, Me. Electrode. No. 1,077,920; Nov. 4; Gaz. vol. 196; p. 233.
- Stevens, Royale H., Salt Lake City, Utah, assignor to United States Smelting, Refining & Mining Company, Portland, Me. Electrode. No. 1,077,894; Nov. 4; Gaz. vol. 196; p. 224.
- Stevens, Sidney M., assignor of one-half to G. Chase, Prince George, Va. Hydraulic ram. No. 1,077,315; Nov. 4; Gaz. vol. 196; p. 26.

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- Stevens, Stanley G. (See Herron and Stevens.)
- Stevens, Sylvester G., Duluth, Minn. Soil-cultivator. No. 1,063,079; May 27; Gaz. vol. 190; p. 966.
- Stevens, Thomas A., Caney, Kans. Sanitary cuspidor. No. 1,071,820; Sept. 2; Gaz. vol. 194; p. 53.
- Stevens, Turner & Company. (See Eacrett, Alfred L., assignor.)
- Stevens, Ward R., assignor of one-half to C. D. Reaser, Burbank, Cal. Closure-fastening device. No. 1,079,614; Nov. 25; Gaz. vol. 196; p. 912.
- Stevens, William C., assignor to The Firestone Tire & Rubber Company, Akron, Ohio. Device for building tires on rims. No. 1,080,860; Dec. 9; Gaz. vol. 197; p. 360.
- Stevens, William H., Pittsburgh, Pa. Lamp-adjusting mechanism for vehicles. No. 1,052,858; Feb. 11; Gaz. vol. 187; p. 378.
- Stevenson, Ashton G., Chicago, Ill. Variable liner for line-casting molds. No. 1,062,616; May 27; Gaz. vol. 190; p. 815.
- Stevenson, Barton D., Harvard, Ill. Igniting device for gas-stoves. No. 1,059,086; Apr. 15; Gaz. vol. 189; p. 665.
- Stevenson, Bingham, Little Rock, Ark. Fish-tail propeller. No. 1,079,193; Nov. 18; Gaz. vol. 196; p. 738.
- Stevenson, Charles H., assignor to Winchester Repeating Arms Co., New Haven, Conn. Paper-shell cartridge. No. 1,057,591; Apr. 1; Gaz. vol. 189; p. 66.
- Stevenson, Charles M., New Brighton, N. Y., assignor to Stevenson Engineering Company. Pump. No. 1,057,986; Apr. 1; Gaz. vol. 189; p. 201.
- Stevenson, Edwin D., Wadsworth, Ohio. Equilibrator for flying-machines. No. 1,075,447; Oct. 14; Gaz. vol. 195; p. 324.
- Stevenson Engineering Company. (See Stevenson, Charles M., assignor.)
- Stevenson, Harry C., trustee. (See Wilson, James M., assignor.)
- Stevenson, John A., Acton, England. Treatment of fermentable substances. No. 1,051,171; Jan. 21; Gaz. vol. 186; p. 702.
- Stevenson, John A., Acton, England. Apparatus for the mixture in predetermined proportions of yeasts and an accelerating mixture. No. 1,060,143; Apr. 29; Gaz. vol. 189; p. 1098.
- Stevenson, John A., Acton, England. Apparatus for the mixture in predetermined proportions of two diverse fermentable or other substances. No. 1,071,530; Aug. 26; Gaz. vol. 193; p. 933.
- Stevenson, Joseph I., St. Louis, Mo. Internal-combustion engine. No. 1,066,160; July 1; Gaz. vol. 192; p. 90.
- Stevenson, Kate D., London, England. Fastening. No. 1,055,294; Mar. 4; Gaz. vol. 188; p. 213.
- Stevenson, Robert H., Muskegon, Mich. Vehicle-wheel. No. 1,051,774; Jan. 28; Gaz. vol. 186; p. 936.
- Stevenson, William A., Florence, Mass. Cleaning filter-beds. No. 1,069,737; Aug. 12; Gaz. vol. 193; p. 253.
- Stevenson, William J. (See Sieben and Stevenson.)
- Steward, Aiden A., Rutland, Vt. Carbureter. No. 1,067,449; July 15; Gaz. vol. 192; p. 599.
- Steward, John F., Chicago, Ill. Support for harvesting-machine reels. No. 1,056,718; Mar. 18; Gaz. vol. 188; p. 768.
- Steward, Lewis E., Muncie, Ind. Fuse for electric cut-outs. No. 1,080,496; Dec. 2; Gaz. vol. 197; p. 202.
- Steward, N. Harper. (See MacConnell, John, assignor.)
- Stewart, Albert E., assignor to Acme Knitting Machine and Needle Company, Franklin, N. H. Thread cutter and clamp for knitting-machines. No. 1,066,234; July 1; Gaz. vol. 192; p. 118.
- Stewart, Alfred C. (See Gould, John H., assignor.)
- Stewart, Alfred C., Los Angeles, Cal. Carbureter. No. 1,049,417; Jan. 7; Gaz. vol. 186; p. 34.
- Stewart, Alfred C., Los Angeles, Cal. Carbureter. No. 1,059,501; Apr. 22; Gaz. vol. 189; p. 844.
- Stewart, Alfred C., Los Angeles, Cal. Well-drilling apparatus. No. 1,062,050; May 20; Gaz. vol. 190; p. 582.
- Stewart, Alfred C., Los Angeles, Cal. Auxiliary air-supply means for internal-combustion engines. No. 1,064,106; June 10; Gaz. vol. 191; p. 355.
- Stewart, Alfred C., Los Angeles, Cal. Throttle for carbureters. No. 1,064,866; June 17; Gaz. vol. 191; p. 648.
- Stewart, Alfred C., Los Angeles, Cal. Carbureter. No. 1,064,867; June 17; Gaz. vol. 191; p. 648.
- Stewart, Alfred C., Los Angeles, Cal. Rotary drilling apparatus. No. 1,068,015; July 22; Gaz. vol. 192; p. 824.
- Stewart, Archibald H., Clinton, Iowa. Bicycle-wheel suspension. No. 1,077,105; Oct. 28; Gaz. vol. 195; p. 978.
- Stewart, Charles E., San Francisco, Cal. Boat-handling apparatus. No. 1,068,183; July 22; Gaz. vol. 192; p. 880.
- Stewart, Clarke W., Olean, N. Y. Pumping means for vacuum-cleaners. No. 1,073,539; Sept. 16; Gaz. vol. 194; p. 712.
- Stewart, Clinton B. (See Neidig and Stewart.)
- Stewart, David, Schenectady, N. Y. Pipe-wrench. No. 1,060,374; Apr. 29; Gaz. vol. 189; p. 1180.
- Stewart, David A., R. C., and J. F., Molesworth, Ontario, Canada. Shock, sheaf, or hay loader. No. 1,051,775; Jan. 28; Gaz. vol. 186; p. 936.
- Stewart, Douglas B. (See Stewart, Perez M., assignor.)
- Stewart, Edward. (See Parker, William H., assignor.)
- Stewart, Frank, assignor of one-fourth to D. E. De Marais, Aspen, Colo. Fastening means for vehicle-seats. No. 1,056,956; Mar. 25; Gaz. vol. 188; p. 881.
- Stewart, Frank L., Boyne Falls, Mich. Stove. No. 1,049,938; Jan. 7; Gaz. vol. 186; p. 210.
- Stewart, George A., and H. E. Goodell, Ridley Park, Pa. Tire. No. 1,053,238; Feb. 18; Gaz. vol. 187; p. 552.
- Stewart, George B., Pittsburgh, Pa. Nozzle for vacuum-cleaners. No. 1,054,052; Feb. 25; Gaz. vol. 187; p. 867.
- Stewart, George B., Pittsburgh, Pa. Water-heating device. No. 1,056,467; Mar. 18; Gaz. vol. 188; p. 682.
- Stewart Hartshorn Company. (See Hartshorn, Edmund F., assignor.)
- Stewart, Hiram J., and J. S. Tucker, Canton, Okla. Ore-separator. No. 1,076,397; Oct. 21; Gaz. vol. 195; p. 677.
- Stewart, James, Dunedin, New Zealand. Metallic label. No. 1,065,475; June 24; Gaz. vol. 191; p. 888.
- Stewart, Jesse T., Mabton, Wash. Vending-machine for envelops. No. 1,061,880; May 13; Gaz. vol. 190; p. 483.
- Stewart, John F. (See Stewart, David A., R. C., and J. F.)
- Stewart, John K., Chicago, Ill. Speedometer drive-gear. No. 1,058,805; Apr. 15; Gaz. vol. 189; p. 565.
- Stewart, John K., Chicago, Ill., assignor to Stewart-Warner Speedometer Corporation. Magnetic speedometer. No. 1,054,996; Mar. 4; Gaz. vol. 188; p. 116.
- Stewart, John K., Chicago, Ill., assignor to Stewart-Warner Speedometer Corporation. Magnetic speedometer. No. 1,054,997; Mar. 4; Gaz. vol. 188; p. 117.
- Stewart, John K., Chicago, Ill., assignor to Stewart-Warner Speedometer Corporation. Magnetic speed-indicator. No. 1,057,681; Apr. 1; Gaz. vol. 189; p. 97.
- Stewart, John K., Chicago, Ill., assignor to Stewart-Warner Speedometer Corporation. Magnetic speedometer. No. 1,057,682; Apr. 1; Gaz. vol. 189; p. 98.
- Stewart, John K., Chicago, Ill., assignor to Stewart-Warner Speedometer Corporation of Virginia. Speedometer driving connection for motor-cycles. No. 1,065,631; June 24; Gaz. vol. 191; p. 941.
- Stewart, John K., Chicago, Ill., assignor to Stewart-Warner Speedometer Corporation. Magnetic speedometer. No. 1,070,378; Aug. 12; Gaz. vol. 193; p. 474.
- Stewart, John K., Chicago, Ill., assignor to Stewart-Warner Speedometer Corporation. Magnetic speedometer. No. 1,077,438; Nov. 4; Gaz. vol. 196; p. 70.
- Stewart, John K., Chicago, Ill., assignor to Stewart-Warner Speedometer Corporation. Speedometer. No. 1,080,308; Dec. 2; Gaz. vol. 197; p. 136.
- Stewart, John K., assignor to Stewart-Warner Speedometer Corporation, Chicago, Ill. Thermostatic device for varying magnetic field. No. 1,082,566; Dec. 30; Gaz. vol. 197; p. 1033.
- Stewart, John V., assignor to The Lorain Steel Company, Johnstown, Pa. Railway-frog. No. 1,074,331; Sept. 30; Gaz. vol. 194; p. 1033.
- Stewart, John V., assignor to The Lorain Steel Company, Johnstown, Pa. Ground-switch stand. No. 1,074,332; Sept. 30; Gaz. vol. 194; p. 1034.
- Stewart, Kay M., Sarasota, Fla. Pump. No. 1,067,690; July 15; Gaz. vol. 192; p. 681.
- Stewart, Matthew A., Newark, N. J. Shade-roller bracket. No. 1,070,746; Aug. 19; Gaz. vol. 193; p. 641.
- Stewart, McElmer, Kansas City, Mo. Vehicle-jack. No. 1,078,111; Nov. 11; Gaz. vol. 196; p. 330.
- Stewart, McElmer, assignor to Automatic Tire Rest Company, Kansas City, Mo. Means for lifting and turning automobiles. No. 1,080,384; Dec. 2; Gaz. vol. 197; p. 166.
- Stewart, Perez M., New York, N. Y. Floor construction. No. 1,068,543; July 29; Gaz. vol. 192; p. 1043.
- Stewart, Perez M., New York, N. Y. Building construction. No. 1,068,544; July 29; Gaz. vol. 192; p. 1043.
- Stewart, Perez M., New York, N. Y. Tile. No. 1,073,541; Sept. 16; Gaz. vol. 194; p. 713.
- Stewart, Perez M., New York, N. Y., assignor, by mesne assignments, to Asbestos Protected Metal Co. Composite building structure. No. 1,068,541; July 29; Gaz. vol. 192; p. 1043.
- Stewart, Perez M., New York, N. Y., assignor, by mesne assignments, to Asbestos Protected Metal Co. Building construction. No. 1,073,540; Sept. 16; Gaz. vol. 194; p. 713.
- Stewart, Perez M., New York, N. Y., assignor, by mesne assignments, to Asbestos Protected Metal Co. Building construction. No. 1,073,542; Sept. 16; Gaz. vol. 194; p. 713.
- Stewart, Perez M., assignor to D. B. Stewart, New York, N. Y. Composite building structure. No. 1,068,542; July 29; Gaz. vol. 192; p. 1043.
- Stewart, Richard F., Briarcliff Manor, N. Y. Wrapping-machine. No. 1,062,262; May 20; Gaz. vol. 190; p. 655.
- Stewart, Richard F., Briarcliff Manor, N. Y. Plunger-operating mechanism for butter-handling machines. No. 1,064,785; June 17; Gaz. vol. 191; p. 622.

Alphabetical list of patentees—Continued.

- Stewart, Richard F., Briarcliff Manor, N. Y. Butter molding and print-forming machine. No. 1,065,186; June 17; Gaz. vol. 191; p. 751.
- Stewart, Richard F., New York, N. Y. Butter printing and cutting machine. No. 1,065,185; June 17; Gaz. vol. 191; p. 750.
- Stewart, Richard F., New York, N. Y. Wrapper-feeding mechanism. No. 1,066,058; July 1; Gaz. vol. 192; p. 55.
- Stewart, Richard P. (See Denney, Charles A., assignor.)
- Stewart, Robert, *et al.* (See Kronenberger, Ferdinand, assignor.)
- Stewart, Robert A., Los Angeles, Cal. Rotary engine. No. 1,079,034; Nov. 18; Gaz. vol. 196; p. 683.
- Stewart, Robert C. (See Stewart, David A., R. C., and J. F.)
- Stewart, Robert L. (See Holladay and Stewart.)
- Stewart, Samuel A., Longton, Kans. Plow. No. 1,068,184; July 22; Gaz. vol. 192; p. 880.
- Stewart, Scott, Rivesville, W. Va. Check-lock. No. 1,065,403; June 24; Gaz. vol. 191; p. 863.
- Stewart, Thomas Y., assignor of one-half to J. Birrel, Winnipeg, Manitoba, Canada. Tire-protector. No. 1,066,861; July 8; Gaz. vol. 192; p. 362.
- Stewart, Walter G., Allentown, Pa. Billiard appliance. No. 1,051,523; Jan. 28; Gaz. vol. 186; p. 855.
- Stewart Warner Speedometer Corporation. (See Cadman, Addi B., assignor.)
- Stewart-Warner Speedometer Corporation. (See Stewart, John K., assignor.)
- Stewart-Warner Speedometer Corporation of Virginia. (See Stewart, John K., assignor.)
- Stewart, William C., Lynn, Mass., assignor, by mesne assignments, to United Shoe Machinery Company, Paterson, N. J. Knife-grinder. No. 1,049,619; Jan. 7; Gaz. vol. 186; p. 104.
- Stewart, William G. (See Rogers, David J., assignor.)
- Stewart, William J., New York, N. Y. Porcelain tooth and backing for dental bridgework. No. 1,082,776; Dec. 30; Gaz. vol. 197; p. 1109.
- Stewart, William M. (See Brown and Granger, assignors.)
- Stewart, Willis N., assignor of one-half to F. Harris, London, England. Vehicle propelled by a combination of electrical and mechanical power. No. 1,065,982; July 1; Gaz. vol. 192; p. 28.
- Steynis, Jan, New York, N. Y., assignor to Steynis Ozone Company. Apparatus and method for the production of ozone. No. 1,066,674; July 8; Gaz. vol. 192; p. 298.
- Steynis, Jan, New York, N. Y., assignor to Steynis Ozone Company. Apparatus for ice-making plants. No. 1,068,608; July 29; Gaz. vol. 192; p. 1066.
- Steynis Ozone Company. (See Freet, William O., assignor.)
- Steynis Ozone Company. (See Steynis, Jan, assignor.)
- Steyskal, Frank J. (See Matushak, Joseph, assignor.)
- Stichler, Charles. (See Spahr and Stichler.)
- Stickley, Gustav, New York, N. Y. Open fireplace. No. 1,068,545; July 29; Gaz. vol. 192; p. 1044.
- Stickley, Joseph W., Norfolk, Va. Metallic rod-packing. No. 1,050,870; Jan. 21; Gaz. vol. 186; p. 597.
- Stickley, Marcus A., Strasburg, Va. Gate. No. 1,075,129; Oct. 7; Gaz. vol. 195; p. 186.
- Stickley, Marcus A., Strasburg, Va. Frameless gate. No. 1,080,497; Dec. 2; Gaz. vol. 197; p. 202.
- Stickney, Benjamin R., Ticonderoga, N. Y. Sheet-feeding machine. No. 1,074,221; Sept. 30; Gaz. vol. 194; p. 997.
- Stickney, Burnham C., Elizabeth, N. J. Type-writing machine. No. 1,050,754; Jan. 14; Gaz. vol. 186; p. 521.
- Stickney, Burnham C., Elizabeth, N. J., assignor to Underwood Typewriter Company, New York, N. Y. Type-writing machine. No. 1,054,470; Feb. 25; Gaz. vol. 187; p. 1011.
- Stickney, Burnham C., Elizabeth, N. J., assignor to Underwood Typewriter Company, New York, N. Y. Type-writing machine. No. 1,054,998; Mar. 4; Gaz. vol. 188; p. 117.
- Stickney, Burnham C., Elizabeth, N. J., assignor to Underwood Typewriter Company, New York, N. Y. Type-writing machine. No. 1,055,367; Mar. 11; Gaz. vol. 188; p. 277.
- Stickney, Burnham C., Elizabeth, N. J., assignor to Underwood Typewriter Company, New York, N. Y. Type-writing machine. No. 1,070,747; Aug. 19; Gaz. vol. 193; p. 641.
- Stickney, Burnham C., Elizabeth, N. J., assignor to Underwood Typewriter Company, New York, N. Y. Ribbon mechanism for type-writers. No. 1,075,996; Oct. 14; Gaz. vol. 195; p. 511.
- Stickney, Burnham C., Elizabeth, N. J., assignor to J. T. Underwood, Brooklyn, N. Y. Combined type-writing and computing machine. No. 1,071,273; Aug. 26; Gaz. vol. 193; p. 848.
- Stiefel, George, Chicago, Ill., assignor to Geo. Stiefel Co. Bung-closure for barrels. No. 1,068,185; July 22; Gaz. vol. 192; p. 880.
- Stiefel, Henry C., Pittsburgh, Pa. Food compound. No. 1,056,603; Mar. 18; Gaz. vol. 188; p. 730.
- Stiefel, Ralph C., Ellwood City, Pa. Continuous tube-rolling process and apparatus therefor. No. 1,055,368; Mar. 11; Gaz. vol. 188; p. 277.
- Stiefel, Ralph C., Ellwood City, Pa. Process and apparatus for cross-rolling and expanding tubes. No. 1,077,013; Oct. 28; Gaz. vol. 195; p. 949.
- Stiefel, Ralph C., Ellwood City, Pa. Process and apparatus for piercing and rolling tubes. No. 1,077,014; Oct. 28; Gaz. vol. 195; p. 949.
- Stiefel, Samuel H. (See Webb, John L., assignor.)
- Stiegler, Alfred, Hagenau, assignor to Badische Anilin & Soda-Fabrik, Ludwigshafen-on-the-Rhine, Germany. Production of brown shades on the fiber. No. 1,071,274; Aug. 26; Gaz. vol. 193; p. 849.
- Stieler, Franz F. W., Berlin, Germany. Drying apparatus. No. 1,079,673; Nov. 25; Gaz. vol. 196; p. 930.
- Stier, Claude W., American Falls, Idaho. Stirrup. No. 1,077,106; Oct. 28; Gaz. vol. 195; p. 978.
- Stifel, Otto F., St. Louis, Mo. Headlight. No. 1,070,199; Aug. 12; Gaz. vol. 193; p. 412.
- Stiffler, Boyd, assignor of one-half to T. H. Watts, Altoona, Pa. Metallic tie and rail-fastener. No. 1,058,112; Apr. 8; Gaz. vol. 189; p. 290.
- Stifter, Joseph, Houston, Tex. Hitching-strap. No. 1,058,484; Apr. 8; Gaz. vol. 189; p. 418.
- Stiggins, Edward A., Beverly, Mass., assignor to United Shoe Machinery Company, Paterson, N. J., and Boston, Mass. Lasting-machine. No. 1,081,872; Dec. 16; Gaz. vol. 197; p. 734.
- Stiggleman, Elsie M., administratrix. (See Stiggleman, James H.)
- Stiggleman, James H., deceased, Wabash, Ind.; E. M. Stiggleman, administratrix. Kitchen-cabinet. No. 1,052,101; Feb. 4; Gaz. vol. 187; p. 89.
- Stiles, Frederick S. (See Yemiker and Stiles.)
- Stiles, Mary F., Valparaiso, Ind. Attachment for gas-stoves. No. 1,051,776; Jan. 28; Gaz. vol. 186; p. 936.
- Stiles, Noel R., London, England. Shock-absorber for type-writers. No. 1,072,526; Sept. 9; Gaz. vol. 194; p. 320.
- Stiles, William E., Davenport, Iowa. Portable table. No. 1,060,295; Apr. 29; Gaz. vol. 189; p. 1153.
- Still, Carl, Recklinghausen, Germany. Cooler for condensing mixtures of hydrocarbon and steam. No. 1,073,302; Sept. 16; Gaz. vol. 194; p. 632.
- Still, Carl, Recklinghausen, Germany. Apparatus for stirring and mixing liquids. No. 1,080,177; Dec. 2; Gaz. vol. 197; p. 90.
- Still, Carl, Recklinghausen, Germany. Recovery of tar and ammonia from coal-gas. No. 1,080,938; Dec. 9; Gaz. vol. 197; p. 387.
- Still, Frank, Mortonville, Pa. Shoe for railway-ties. No. 1,077,173; Oct. 28; Gaz. vol. 195; p. 998.
- Still, Frederick R., assignor to American Blower Company, Detroit, Mich. Rotary fan or blower. No. 1,054,947; Mar. 4; Gaz. vol. 188; p. 99.
- Still, William J., Southall, England. Tube used for heating liquids. No. 1,049,939; Jan. 7; Gaz. vol. 186; p. 210.
- Stilling, Louis J., assignor of one-half to L. Isenburg, Newark, N. J. Non-refillable bottle. No. 1,077,565; Nov. 4; Gaz. vol. 196; p. 113.
- Stilling, William J., Elmhurst, assignor to Hecla-Winslow Company, Inc., Brooklyn, N. Y. Device for operating and locking elevator-doors. No. 1,081,873; Dec. 16; Gaz. vol. 197; p. 734.
- Stillings, Franklin E., assignor of one-third to M. J. Green and one-third to J. A. Alexander, El Paso, Tex. Film-feeding machine. No. 1,083,227; Dec. 30; Gaz. vol. 197; p. 1255.
- Stillman, Albert A., Syracuse, N. Y. Starting means for internal-combustion engines. No. 1,071,969; Sept. 2; Gaz. vol. 194; p. 102.
- Stillman, Henry M., assignor to The Locomobile Company of America, Bridgeport, Conn. Air-valve. No. 1,054,651; Feb. 25; Gaz. vol. 187; p. 1072.
- Stillman, Herbert L., Westerly, R. I. Tire for vehicle-wheels. No. 1,080,385; Dec. 2; Gaz. vol. 197; p. 166.
- Stillwell, Claude B., Savannah, Ga. Index-card for filing systems. No. 1,053,670; Feb. 18; Gaz. vol. 187; p. 702.
- Stillwell, Claude B., Savannah, Ga. Index-card for filing systems. No. 1,053,671; Feb. 18; Gaz. vol. 187; p. 702.
- Stillwell, Claude B., Savannah, Ga. Filing system. No. 1,066,543; July 8; Gaz. vol. 192; p. 253.
- Stillwell, Claude B., Savannah, Ga. Filing-cabinet. No. 1,071,531; Aug. 26; Gaz. vol. 193; p. 934.
- Stillwell, Frank B., assignor of one-half to L. Stillwell, Ludington, Mich. Sliding bolt. No. 1,056,228; Mar. 18; Gaz. vol. 188; p. 600.
- Stillwell, Leo. (See Stillwell, Frank B., assignor.)
- Stillwell, Lewis B., Lakewood, and F. N. Waterman, Summit, N. J. Electric traction system. No. 1,081,342; Dec. 16; Gaz. vol. 197; p. 558.
- Stillwell, Charles B., Wayne, assignor to Union Paper Bag Machine Company, Philadelphia, Pa. Bag-bottoming machine. No. 1,058,806; Apr. 15; Gaz. vol. 189; p. 566.

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- Stilwell, Charles E. (See Mayer and Stilwell.)
- Stilz, Harry B., Vallejo, Cal. Oil-burner. No. 1,066,161; July 1; Gaz. vol. 192; p. 90.
- Stimmel, Branson C., Philadelphia, Pa., assignor to G. L. Stimmel, New York, N. Y. Cash-box. No. 1,064,024; June 10; Gaz. vol. 191; p. 327.
- Stimmel, George L. (See Stimmel, Branson C., assignor.)
- Stimpson, Edward S., assignor to Draper Company, Hopedale, Mass. Shuttle for weft-replenishing looms. No. 1,074,662; Oct. 7; Gaz. vol. 195; p. 26.
- Stimpson, Edward S., assignor to Draper Company, Hopedale, Mass. Picker-check for looms. No. 1,074,756; Oct. 7; Gaz. vol. 195; p. 59.
- Stimpson, Edward S., assignor to Draper Company, Hopedale, Mass. Shuttle for weft-replenishing looms. No. 1,074,908; Oct. 7; Gaz. vol. 195; p. 109.
- Stimpson, Edward S., assignor to Draper Company, Hopedale, Mass. Loom-shuttle. No. 1,082,049; Dec. 23; Gaz. vol. 197; p. 823.
- Stimpson, Edwin B., Brooklyn, N. Y. Punching-machine. No. 1,052,527; Feb. 11; Gaz. vol. 187; p. 266.
- Stimpson, Edwin B., Brooklyn, N. Y. Combined punch and setting-machine. No. 1,079,376; Nov. 25; Gaz. vol. 196; p. 829.
- Stimpson, Edwin B., Brooklyn, N. Y. Setting-machine. No. 1,079,996; Dec. 2; Gaz. vol. 197; p. 26.
- Stimson, Alfred T., Lodi, Cal. Drag-saw. No. 1,062,200; May 20; Gaz. vol. 190; p. 634.
- Stinchcomb, William H. and H. Wallis, Durand, Mich. Ice-pick. No. 1,059,783; Apr. 22; Gaz. vol. 189; p. 937.
- Stine, Frank D., assignor of one-half to H. E. Clark, Kansas City, Mo. Plane. No. 1,074,821; Oct. 7; Gaz. vol. 195; p. 79.
- Stine, Thomas L., Trego, Md. Portable bath-tub. No. 1,072,269; Sept. 2; Gaz. vol. 194; p. 202.
- Stinebaugh, Connard O., Seattle, Wash. Material for automobile brake-shoes. No. 1,076,325; Oct. 21; Gaz. vol. 195; p. 652.
- Stingel, Philip C., Medford, assignor to Economy Toggle Company, Boston, Mass. Toggle. No. 1,070,996; Aug. 19; Gaz. vol. 193; p. 720.
- Stinson, George E., Cleveland, Ohio. Conducting-pipe. No. 1,061,418; May 13; Gaz. vol. 190; p. 328.
- Stinson, James C., Bradford, Pa. Top packer for oil or gas wells. No. 1,077,566; Nov. 4; Gaz. vol. 196; p. 114.
- Stinson, Robert. (See Guyton and Stinson.)
- Stiriz, Anna A. (See Stiriz, Charles, assignor.)
- Stiriz, Charles, New York, N. Y. Flying-machine. No. 1,058,485; Apr. 8; Gaz. vol. 189; p. 418.
- Stiriz, Charles, New York, N. Y. Respirator. No. 1,071,109; Aug. 26; Gaz. vol. 193; p. 794.
- Stiriz, Charles, New York, N. Y. Treating dough or bake-shop products. No. 1,076,464; Oct. 21; Gaz. vol. 195; p. 701.
- Stiriz, Charles, assignor one-half to A. A. Stiriz, New York, N. Y. Dough-mixing machine. No. 1,062,201; May 20; Gaz. vol. 190; p. 635.
- Stirneman, Georgiena M., et al. (See Betz, William G., assignor.)
- Stirnkorb, Eugene, assignor of one-half to L. C. Gerwig, Fort Wayne, Ind. Spark-intensifier for spark-plugs. No. 1,057,186; Mar. 25; Gaz. vol. 188; p. 960.
- Stitzer, George W., Mahanoy City, Pa. Shipping-case. No. 1,082,567; Dec. 30; Gaz. vol. 197; p. 1034.
- Stiver, Harvey, Kansas City, Mo. Spacer for reinforcing-rods. No. 1,054,803; Mar. 4; Gaz. vol. 188; p. 52.
- Stiver, Ross S. (See Stiver, William H. and R. S.)
- Stiver, William H. and R. S., Altoona, Pa. Operating mechanism for car-windows. No. 1,055,567; Mar. 11; Gaz. vol. 188; p. 342.
- Stivers, Jackson, San Francisco, Cal. Register-gage for printing-presses. No. 1,067,154; July 8; Gaz. vol. 192; p. 462.
- Stoakes, Victor J. A., Moose Jaw, Saskatchewan, Canada. Stoker. No. 1,053,750; Feb. 18; Gaz. vol. 187; p. 730.
- Stöbbe, Karl H., Chemnitz, Germany. Haircloth-loom. No. 1,054,249; Feb. 25; Gaz. vol. 187; p. 935.
- Stober, Floyd B., Byers, Colo. Twine-cutter. No. 1,063,896; June 3; Gaz. vol. 191; p. 248.
- Stober, Tola F., West Grove, Iowa. Drag and grader. No. 1,063,474; June 3; Gaz. vol. 191; p. 102.
- Stobie, William H., Waterville, Me., assignor to Hollingsworth & Whitney Company, Boston, Mass. Apparatus for disintegrating fibrous material used in the manufacture of paper-pulp. No. 1,062,306; May 20; Gaz. vol. 190; p. 671.
- Stobie, William H., Waterville, Me., assignor to Hollingsworth & Whitney Company, Boston, Mass. Apparatus for disintegrating fibrous material used in the manufacture of paper-pulp. No. 1,062,307; May 20; Gaz. vol. 190; p. 671.
- Stock, Alfred, Breslau, assignor to Chemische Fabrik Griesheim Elektron, Frankfurt-on-the-Main, Germany. Obtaining pure phosphorus sesquisulfid. No. 1,054,250; Feb. 25; Gaz. vol. 187; p. 935.
- Stock, August, assignor to Farbwerke vorm. Meister Lucius & Brüning, Höchst-on-the-Main, Germany. Violet tetrachlorindigo and making same. No. 1,050,179; Jan. 14; Gaz. vol. 186; p. 326.
- Stock, August, and F. Heim, assignors to Farbwerke vorm. Meister Lucius & Brüning, Höchst-on-the-Main, Germany. Dyestuffs of the triphenylmethane series and making same. No. 1,065,405; June 24; Gaz. vol. 191; p. 864.
- Stock, Ferdinand, Little Rock, Ark. Rail-joint. No. 1,064,786; June 17; Gaz. vol. 191; p. 623.
- Stock, Friedrich. (See Lauber and Stock.)
- Stock, Joseph, Passaic, N. J. Vegetable-grinder. No. 1,053,751; Feb. 18; Gaz. vol. 187; p. 730.
- Stock Quotation Telegraph Company, The. (See Hiltz, George S., assignor.)
- Stock, Robert, Berlin, Germany. Plowshare. No. 1,058,486; Apr. 8; Gaz. vol. 189; p. 419.
- Stockelbach, Fritz E., assignor to Frederick Stearns & Company, Detroit, Mich. Solidified hydrogen peroxid and forming the same. No. 1,051,926; Feb. 4; Gaz. vol. 187; p. 27.
- Stocker, Anthony, Cohoes, N. Y. Table-holder. No. 1,053,450; Feb. 18; Gaz. vol. 187; p. 626.
- Stocker Manufacturing Company. (See Dupart, Eugene F., assignor.)
- Stocker, Rosa D., Colorado City, Colo. Cloth-guide for sewing-machines. No. 1,063,842; June 3; Gaz. vol. 191; p. 231.
- Stockhausen, Julius, Crefeld, Germany. Production of a plastic or elastic substance. No. 1,061,881; May 13; Gaz. vol. 190; p. 483.
- Stockman, Henry. (See Brown, Henry C., assignor.)
- Stockstrom, Louis, St. Louis, Mo. Reservoir for oil-stoves. No. 1,066,337; July 1; Gaz. vol. 192; p. 153.
- Stockton, Elmer E., assignor to The E. Ingraham Co., Bristol, Conn. Alarm-clock. No. 1,050,402; Jan. 14; Gaz. vol. 186; p. 402.
- Stockton, Elmer E., assignor to The E. Ingraham Co., Bristol, Conn. Alarm-clock. No. 1,061,023; May 6; Gaz. vol. 190; p. 161.
- Stockwell, Lora W., Los Angeles, Cal. Wire-mattress bed-bottom. No. 1,070,928; Aug. 19; Gaz. vol. 193; p. 697.
- Stockwell, Millard E., Los Angeles, Cal. Insulator. No. 1,065,983; July 1; Gaz. vol. 192; p. 28.
- Stoddard, Charles F., Boston, Mass. Note-sheet for musical instruments. No. 1,072,527; Sept. 9; Gaz. vol. 194; p. 321.
- Stoddard, Edward F. and E. J., Decorah, Iowa. Farm-gate. No. 1,058,487; Apr. 8; Gaz. vol. 189; p. 419.
- Stoddard, Edwin J. (See Stoddard, Edward F. and E. J.)
- Stoddard, Elgin, Oakland, Cal. Holder for flexible dictating-tubes of phonographs. No. 1,066,059; July 1; Gaz. vol. 192; p. 55.
- Stoddard, Elgin, San Francisco, Cal. Means for displaying automobile-numbers. No. 1,071,821; Sept. 2; Gaz. vol. 194; p. 53.
- Stoddard, Elliott J., Detroit, Mich. Equalizing-gearing for automobiles. No. 1,066,958; July 8; Gaz. vol. 192; p. 396.
- Stoddard, Maude R., New York, N. Y. Dress-hook. No. 1,069,352; Aug. 5; Gaz. vol. 193; p. 92.
- Stoddard, Edward R., Markesan, Wis. Fruit-picker. No. 1,061,138; May 6; Gaz. vol. 190; p. 199.
- Stoehr, Daniel H., Oak Park, Ill. Portable electric light. No. 1,060,375; Apr. 29; Gaz. vol. 189; p. 1181.
- Stoehr, John J., Brooklyn, N. Y. Convertible field apparatus. No. 1,072,052; Sept. 2; Gaz. vol. 194; p. 130.
- Stoetzel, Theodore. (See Hatzel and Stoetzel.)
- Stofel, Peter A., Kirksville, Mo. Ship's boat. No. 1,079,729; Nov. 25; Gaz. vol. 196; p. 951.
- Stoffel, Fernand, Paris, France, assignor, by mesne assignments, to Vacuum Hand Blocking Co. Inc., New York, N. Y. Apparatus for rapidly shaping hats. No. 1,080,731; Dec. 9; Gaz. vol. 197; p. 313.
- Stoffel, Henry, Tulsa, Okla. Trap-holder. No. 1,062,051; May 20; Gaz. vol. 190; p. 582.
- Stoffels, Karel W. G. J., et al. (See Weenen, Johannes J. H. W., assignor.)
- Stohlberg, Carl. (See Eckberg and Stohlberg.)
- Stöhr, Otto, Leipzig-Gohlis, Germany. Apparatus for the removal of projecting hairs and the like from wool-yarn threads. No. 1,062,806; May 27; Gaz. vol. 190; p. 876.
- Stok, Louis. (See Bukacek and Stok.)
- Stoker, Arthur E., Buffalo, Ill. Valve-remover. No. 1,082,917; Dec. 30; Gaz. vol. 197; p. 1157.
- Stokes, Francis J., Philadelphia, Pa. Feeding material to and from vacuum-driers. No. 1,080,602; Dec. 9; Gaz. vol. 197; p. 269.
- Stokes, George W., Philadelphia, Pa. Card for Jacquard looms. No. 1,053,451; Feb. 18; Gaz. vol. 187; p. 627.
- Stokes, Henry W., Ahoskie, N. C. Shirt. No. 1,056,604; Mar. 18; Gaz. vol. 188; p. 730.
- Stokes, Jeremiah, Jr., Salt Lake City, Utah. Stovepipe-fastener. No. 1,061,419; May 13; Gaz. vol. 190; p. 328.
- Stokes, Jeremiah, Jr., Salt Lake City, Utah. Trace-fastener. No. 1,065,632; June 24; Gaz. vol. 191; p. 941.
- Stokes, Levi A., Point Richmond, Cal. Oil-burner. No. 1,051,464; Jan. 28; Gaz. vol. 186; p. 833.

Alphabetical list of patentees—Continued.

- Stokes & Smith Company. (See Reifsnnyder and Schwerdtle, assignors.)
- Stokes, Thomas H., Lincoln, Ill. Necktie-slide and collar-button. No. 1,073,001; Sept. 9; Gaz. vol. 194; p. 491.
- Stokes, William E. D., *et al.* (See Larsson, Thure, assignor.) (Reissue.)
- Stokes, William E. D., Jr., New York, N. Y., and G. W. Davis, Gallilee, N. J., assignors to W. E. D. Stokes, New York, N. Y. Spark-gap-cooling device. No. 1,073,371; Sept. 16; Gaz. vol. 194; p. 657.
- Stolberg, Peter, San Francisco, Cal. Balancing device for flying-machines. No. 1,070,200; Aug. 12; Gaz. vol. 193; p. 412.
- Stoler, Adam B., and A. W. Hewson, Philadelphia, Pa. Combination vegetable-cutter. No. 1,070,854; Aug. 19; Gaz. vol. 193; p. 675.
- Stoll, Albert E., Zollikon, Switzerland. Apparatus for making hydrogen peroxid. No. 1,052,626; Feb. 11; Gaz. vol. 187; p. 299.
- Stoll, Frank H. C., Atwater, Minn. Litter-carrier. No. 1,076,169; Oct. 21; Gaz. vol. 195; p. 597.
- Stoll, Jacob G., Orrville, Ohio. Trap. No. 1,077,567; Nov. 4; Gaz. vol. 196; p. 114.
- Stoll, Louis M., assignor of one-fourth to E. T. Lannon, San Diego, Cal. Throw-off attachment for multi-graph-plates. No. 1,055,682; Mar. 11; Gaz. vol. 188; p. 381.
- Stollberg, Charles, Toledo, Ohio, assignor to American Can Company, New York, N. Y. Screw-cap fruit-jar. No. 1,070,748; Aug. 19; Gaz. vol. 193; p. 642.
- Stolle & Kopke. (See Russ, Rudolf, assignor.)
- Stoltman, John A., Grafton, N. D. Safety-stirrup. No. 1,068,828; July 29; Gaz. vol. 192; p. 1145.
- Stoltzfus, Enos L., Gap, and I. B. Miller, Paradise, Pa. Automatic dump-car. No. 1,057,683; Apr. 1; Gaz. vol. 189; p. 98.
- Stolz, Friedrich, assignor to Farbwerke vorm. Meister Lucius & Brüning, Höchst-on-the-Main, Germany. Pyrazolone derivative. No. 1,053,240; Feb. 18; Gaz. vol. 187; p. 553.
- Stolz, Joseph, New York, N. Y. Sliding-door hanger. No. 1,073,180; Sept. 16; Gaz. vol. 194; p. 588.
- Stommel, Hugo, Red Bank, N. J. Tile-glazing machine. No. 1,053,239; Feb. 18; Gaz. vol. 187; p. 552.
- Stone, Albert L., Philadelphia, Pa. Towel-holder. No. 1,055,098; Mar. 4; Gaz. vol. 188; p. 151.
- Stone, Albert L., assignor of one-half to J. E. Pereira, Philadelphia, Pa. Sad-iron. No. 1,068,186; July 22; Gaz. vol. 192; p. 881.
- Stone, Alfred, Santa Barbara, Cal. Butt-chisel. No. 1,051,778; Jan. 28; Gaz. vol. 186; p. 937.
- Stone, Andrew H., Kansas City, Mo. Extension-table. No. 1,052,859; Feb. 11; Gaz. vol. 187; p. 379.
- Stone, Arthur W., Swanton, Vt. Pen and pencil clip. No. 1,080,603; Dec. 9; Gaz. vol. 197; p. 270.
- Stone, Arthur W., Swanton, Vt. Button-fastener. No. 1,080,604; Dec. 9; Gaz. vol. 197; p. 270.
- Stone, Benjamin B., Marmaduke, Ark. Canopy for hammocks. No. 1,054,251; Feb. 25; Gaz. vol. 187; p. 935.
- Stone, Charles H., Manila, Philippine Islands. Dinner-pail. No. 1,065,633; June 24; Gaz. vol. 191; p. 942.
- Stone, Charles W., Hollywood, assignor of one-half to E. B. Gilmore, Los Angeles, Cal. Cleaning and refining oil. No. 1,070,555; Aug. 19; Gaz. vol. 193; p. 577.
- Stone, Elmer B., assignor to The American Hardware Corporation, New Britain, Conn. Suitcase-lock. No. 1,074,909; Oct. 7; Gaz. vol. 195; p. 109.
- Stone, Fred L., Schenectady, N. Y., assignor to General Electric Company. Motor-controller. No. 1,064,025; June 10; Gaz. vol. 191; p. 327.
- Stone, George E., Amherst, Mass. Spraying-nozzle. No. 1,070,076; Aug. 12; Gaz. vol. 193; p. 368.
- Stone, George W., Niagara Falls, assignor to Hooker Electrochemical Company, New York, N. Y. Electrolytic cell. No. 1,075,609; Oct. 14; Gaz. vol. 195; p. 380.
- Stone, Glenn A., Marietta, Minn. Nest. No. 1,062,861; May 27; Gaz. vol. 190; p. 894.
- Stone, Harry A., Omaha, Nebr. Folding table. No. 1,065,476; June 24; Gaz. vol. 191; p. 888.
- Stone, Hawley, Rosebank, and G. W. Scott, New York, N. Y. Motor. No. 1,052,763; Feb. 11; Gaz. vol. 187; p. 345.
- Stone, Heman W., Caldwell, Idaho. Check-box for irrigating-ditches. No. 1,070,302; Aug. 12; Gaz. vol. 193; p. 448.
- Stone, James H., *et al.* (See Julien, Ernest E., assignor.)
- Stone, Joe C., Tipton, Ind. Alarm device for gasoline-tanks. No. 1,072,371; Sept. 2; Gaz. vol. 194; p. 238.
- Stone, John, Apollo, Pa. Curtain-retainer. No. 1,070,201; Aug. 12; Gaz. vol. 193; p. 412.
- Stone, John H., Mobile, Ala. Stretcher. No. 1,068,016; July 22; Gaz. vol. 192; p. 824.
- Stone, John S. (See McKissick, Hugh R., assignor.)
- Stone, Julius F. (See Jones and Miller, assignors.)
- Stone, Leonard M., Pilot Grove, Mo. Gate-operating mechanism. No. 1,082,050; Dec. 23; Gaz. vol. 197; p. 823.
- Stone, Louis G., London, England, assignor to The Westinghouse Air Brake Company, Pittsburgh, Pa. Air-compressor. No. 1,070,929; Aug. 19; Gaz. vol. 193; p. 698.
- Stone, Louis G., London, England, assignor to The Westinghouse Air Brake Company, Pittsburgh, Pa. Air-compressor. (Reissue.) No. 13,645; Nov. 11; Gaz. vol. 196; p. 502.
- Stone, Melvin L., Waterville, Me., assignor to Draper Company, Hopedale, Mass. Weft-carrier chute for automatic weft-replenishing looms. No. 1,082,051; Dec. 23; Gaz. vol. 197; p. 824.
- Stone-Probst Axle Company, The. (See Probst, Karl, assignor.)
- Stone, Vincent, assignor to Marshall Field & Company, Chicago, Ill. Clasp for holding ribbon-bows. No. 1,055,428; Mar. 11; Gaz. vol. 188; p. 298.
- Stone & Webster. (See Cutter, George A., assignor.)
- Stone & Webster. (See MacKaye, James, assignor.)
- Stone, William F., Woodbury, N. J., assignor, by mesne assignments, to The Engineering and Development Company of America, Salisbury, Md. Vapor-engine. No. 1,063,475; June 3; Gaz. vol. 191; p. 103.
- Stoneback, Samuel A., Philadelphia, Pa. Railway-tie. No. 1,072,053; Sept. 2; Gaz. vol. 194; p. 130.
- Stoneham, Charles A., *et al.* (See Geraghty and Naylor, assignors.)
- Stoner, Benjamin F., deceased, Newark, N. J.; E. V. Stoner, administratrix. Airship. No. 1,080,498; Dec. 2; Gaz. vol. 197; p. 203.
- Stoner, Cyrus M. and F. B., Connellsville, Pa. Valve for steam-pump engines. No. 1,058,919; Apr. 15; Gaz. vol. 189; p. 607.
- Stoner, Ella V., administratrix. (See Stoner, Benjamin F.)
- Stoner, Frank H., assignor to Wilder-Strong Implement Company, Monroe, Mich. Land-roller. No. 1,056,851; Mar. 25; Gaz. vol. 188; p. 843.
- Stoner, Frederick B. (See Stoner, Cyrus M. and F. B.)
- Stones, Giles H., Pittsburgh, Pa. Rail-fastener. No. 1,077,961; Nov. 4; Gaz. vol. 196; p. 247.
- Stoney, Frank A., Sterling, Ill. Cabinet. No. 1,060,215; Apr. 29; Gaz. vol. 189; p. 1123.
- Stoney, George F., and G. L. Campbell, Elyria, Ohio. Molding-machine. No. 1,070,749; Aug. 19; Gaz. vol. 193; p. 642.
- Stoney, George G. (See Parsons and Stoney.)
- Stoney, George G. (See Parsons, Stoney, and Law.)
- Stopp, Alvin C., Stoppington, Alberta, Canada. Safety attachment for wagon-reaches. No. 1,062,558; May 20; Gaz. vol. 190; p. 752.
- Stopp, Ernst O. (See Bauman and Stopp.)
- Store Improvement Company. (See Peterson, Tron O., assignor.)
- Storer, Norman W., Pittsburgh, Pa., assignor to Westinghouse Electric and Manufacturing Company. System of control. No. 1,056,852; Mar. 25; Gaz. vol. 188; p. 843.
- Storer, Norman W., Pittsburgh, Pa., assignor to Westinghouse Electric and Manufacturing Company. Driving connection for electric locomotives. No. 1,059,008; Apr. 15; Gaz. vol. 189; p. 638.
- Storer, Simon B. (See Leake, Richard C., assignor.)
- Storey, Andrew W., Newton Heath, Manchester, assignor to British Reinforced Concrete Engineering Company Limited, Westminster, England. Wire fencing and the like. No. 1,071,822; Sept. 2; Gaz. vol. 194; p. 53.
- Storey, Frederick J., Sale, Victoria, Australia. Tap, cock, and the like having tapping means. No. 1,059,231; Apr. 15; Gaz. vol. 189; p. 714.
- Storey, Herbert L., and J. Parkinson, Lancaster, England. Lime-cartridge for mining purposes. No. 1,065,261; June 17; Gaz. vol. 191; p. 777.
- Storey, James M., Hoschton, Ga. Hay-press. No. 1,057,592; Apr. 1; Gaz. vol. 189; p. 66.
- Storey, Wendel, Milwaukee, Wis. Strickle apparatus. No. 1,069,633; Aug. 5; Gaz. vol. 193; p. 187.
- Storle, Ole O., Tacoma, Wash. Internal-combustion engine. No. 1,068,710; July 29; Gaz. vol. 192; p. 1102.
- Storm, Samuel, Mattoon, Ill. Hose-coupling. No. 1,078,112; Nov. 11; Gaz. vol. 196; p. 331.
- Storm Shield Mfg. Co. (See Shupert and Leighty, assignors.)
- Storrs, Aaron P., Owego, N. Y. Mantle-carrier. No. 1,052,860; Feb. 11; Gaz. vol. 187; p. 379.
- Storrs, Aaron P., assignor to Storrs Mica Company, Owego, N. Y. Cylinder or globe for inverted incandescent gas-burners. No. 1,066,060; July 1; Gaz. vol. 192; p. 55.
- Storrs, Aaron P., assignor to Storrs Mica Company, Owego, N. Y. Mica cylinder for inverted gas-mantles. No. 1,081,343; Dec. 16; Gaz. vol. 197; p. 558.
- Storrs Mica Company. (See Storrs, Aaron P., assignor.)
- Story, Edwin B., North Grafton, Mass. Folding case. No. 1,076,076; Oct. 21; Gaz. vol. 195; p. 566.
- Story, John T., New York, N. Y. Sealing device for bags. No. 1,059,406; Apr. 22; Gaz. vol. 189; p. 811.
- Story, Ward B., New York, N. Y. End and side clip. No. 1,078,966; Nov. 18; Gaz. vol. 196; p. 656.

Alphabetical list of patentees—Continued.

- Stott, Henry G., New York, N. Y., assignor to Westinghouse Electric & Manufacturing Company. Overspeed device for dynamo-electric machines. No. 1,062,052; May 20; Gaz. vol. 190; p. 583.
- Stott, James and V. H., and L. Schofield, Oldham, England. Air-moistener. No. 1,057,895; Apr. 1; Gaz. vol. 189; p. 171.
- Stott, Vernon H. (See Stott and Schofield.)
- Stough, Turney G., Jeannette, Pa. Kaleidoscope. No. 1,078,008; Nov. 11; Gaz. vol. 196; p. 294.
- Stoup, Henry L., Ypsilanti, Mich. Clothes-line reel. No. 1,061,642; May 13; Gaz. vol. 190; p. 407.
- Stout, Adison A. (See Lockwood and Stout.)
- Stout, Frank M., Springfield, Ill. Rule-holder. No. 1,070,997; Aug. 19; Gaz. vol. 193; p. 721.
- Stout, Harry H., Berkeley, Cal., assignor to General Chemical Company, New York, N. Y. Feeding device for roasting-furnaces. No. 1,069,738; Aug. 12; Gaz. vol. 193; p. 253.
- Stout, Harry S., Ceredo, W. Va. Reinforced-concrete pole. No. 1,075,232; Oct. 7; Gaz. vol. 195; p. 222.
- Stout, Hiram, Kingman, Kans. Game. No. 1,053,672; Feb. 18; Gaz. vol. 187; p. 703.
- Stout, Warehum P. C., and H. H. Andress, Kinsley, Kans. Burner. No. 1,059,502; Apr. 22; Gaz. vol. 189; p. 845.
- Stovall, Smith L., Visalia, Cal. Concrete ditch. No. 1,080,499; Dec. 2; Gaz. vol. 197; p. 203.
- Stover, Edward C., Trenton, N. J. Apparatus for transporting liquids or gases. No. 1,053,452; Feb. 18; Gaz. vol. 187; p. 627.
- Stover, Francis E., Muskegon, Mich. Lawn-trimmer. No. 1,057,015; Mar. 25; Gaz. vol. 188; p. 901.
- Stover, Francis E., Muskegon, assignor of one-half to D. J. Campbell, Muskegon Heights, Mich. Lawn-trimmer. No. 1,071,110; Aug. 26; Gaz. vol. 193; p. 794.
- Stover, Frank C. (See Farrand, Albert C., assignor.)
- Stover, Harmon E., assignor to The Baldwin Locomotive Works, Philadelphia, Pa. Stoker. No. 1,060,036; Apr. 29; Gaz. vol. 189; p. 1064.
- Stover, John J., Detroit, Mich. Driving-gearing for motor-boats. No. 1,056,468; Mar. 18; Gaz. vol. 188; p. 682.
- Stover Manufacturing Company, The. (See McCulloch, Harry G., assignor.)
- Stover, Mark C., Decatur, Ill. Window-catch. No. 1,065,743; June 24; Gaz. vol. 191; p. 979.
- Stow, Eli H., assignor of one-third to Z. L. Stow, one-third to C. F. Hotchkiss, and one-third to F. M. Hays, Binghamton, N. Y. Folding or collapsible box. No. 1,071,653; Aug. 26; Gaz. vol. 193; p. 974.
- Stow, James D., Springfield, Mass. Lamp supporting and operating means. No. 1,076,170; Oct. 21; Gaz. vol. 195; p. 598.
- Stow, Zaidée L., *et al.* (See Stow, Eli H., assignor.)
- Stowe, Benjamin L., Jersey City, N. J. Rubber-lined fabric hose. No. 1,053,933; Feb. 18; Gaz. vol. 187; p. 790.
- Stowe, Bernard A., assignor, by mesne assignments, to The Adams-Bagnall Electric Company, Cleveland, Ohio. Oscillating fan. No. 1,058,488; Apr. 8; Gaz. vol. 189; p. 420.
- Stowe, Bernard A., assignor to The Adams-Bagnall Electric Company, Cleveland, Ohio. Holder for lamp-shades and the like. No. 1,058,489; Apr. 8; Gaz. vol. 189; p. 420.
- Stowe, De Witt C., Moorland, Cal. Ditching-machine. No. 1,071,477; Aug. 26; Gaz. vol. 193; p. 916.
- Stowe, Larkin, Pleasant View, Ky. Water-elevating apparatus. No. 1,072,787; Sept. 9; Gaz. vol. 194; p. 411.
- Stowell, Edward S., Rexburg, Idaho. Hoof-trimmer. No. 1,066,675; July 8; Gaz. vol. 192; p. 299.
- Stowers, James R. (See Whalton and Stowers.)
- Stoy, Guy E. (See Vandaveer and Stoy.)
- Strachan, Harry, and G. P. Schmidt, New York, N. Y.; said Schmidt assignor to said Strachan. Fruit-handling machine. No. 1,060,376; Apr. 29; Gaz. vol. 189; p. 1181.
- Strachan, John, New York, N. Y. Street-sign. No. 1,051,354; Jan. 21; Gaz. vol. 186; p. 763.
- Strack, Henry C., Owego, N. Y. Grinding-mill. No. 1,074,299; Sept. 30; Gaz. vol. 194; p. 1022.
- Strahlem, William L., Middle Point, Ohio. Turning device for steam-shovels. No. 1,077,174; Oct. 28; Gaz. vol. 195; p. 998.
- Straight, Bennett D., assignor to Mail-om-eter Company, Detroit, Mich. Stamp or label delivery mechanism. No. 1,072,054; Sept. 2; Gaz. vol. 194; p. 131.
- Straight, Bennett D., assignor to Mail-om-eter Company, Detroit, Mich. Stamp or label delivery mechanism. No. 1,072,055; Sept. 2; Gaz. vol. 194; p. 131.
- Straight, Frederick L., Louisiana, Mo. Vending-machine. No. 1,066,162; July 1; Gaz. vol. 192; p. 90.
- Strand Accessories Company, The. (See Robinson, Gleason E., assignor.)
- Strand, Thomas K., Rolette, N. D. Starting device. No. 1,059,407; Apr. 22; Gaz. vol. 189; p. 811.
- Strand, Thomas K., Rolette, N. D. Electrical generator. No. 1,064,026; June 10; Gaz. vol. 191; p. 327.
- Stranders, Julien, New York, N. Y. Advertising device. No. 1,069,494; Aug. 5; Gaz. vol. 193; p. 142.
- Stranders, Julien, assignor to The Seiter & Kappes Lithographing Co., New York, N. Y. Advertising display device. No. 1,052,187; Feb. 4; Gaz. vol. 187; p. 120.
- Stranders, Julien, assignor to The Seiter & Kappes Lithographing Co., New York, N. Y. Display device. No. 1,075,069; Oct. 7; Gaz. vol. 195; p. 166.
- Stranders, Julien, assignor to H. B. Kruger, New York, N. Y. Display device. No. 1,054,252; Feb. 25; Gaz. vol. 187; p. 935.
- Strang, Robert H. W., Bridgeport, Conn. Instrument for recording changes in tooth-regulating appliances. No. 1,082,052; Dec. 23; Gaz. vol. 197; p. 824.
- Strange, Harry B., assignor to T. Firth and Sons, Limited, Sheffield, England. Fuse for a projectile. No. 1,077,439; Nov. 4; Gaz. vol. 196; p. 71.
- Strange, John C., Bennington, Kans. Clothes-pin. No. 1,070,202; Aug. 12; Gaz. vol. 193; p. 413.
- Stransky, Stephen, Philadelphia, Pa. Hat-pin. No. 1,055,568; Mar. 11; Gaz. vol. 188; p. 342.
- Strasburg, Martin, and W. S. Thomas, Vancouver, British Columbia, Canada; said Strasburg assignor to E. Phuller, Waterville, Wash. Damper for open grates. No. 1,067,203; July 8; Gaz. vol. 192; p. 478.
- Strassburger, Lionel. (See Sternau, Strassburger, and Lattin.)
- Strasser, David, New York, N. Y. Cigar-wrapper counter. No. 1,061,930; May 13; Gaz. vol. 190; p. 501.
- Strasser, David, New York, N. Y. Counter for tobacco-wrappers. No. 1,061,931; May 13; Gaz. vol. 190; p. 501.
- Strate, Herman B., *et al.* (See Buhr, Joseph F., assignor.)
- Strater & Sons, Herman. (See Strater, Theodore G., Jr., assignor.)
- Strater, Theodore G., Jr., West Tisbury, assignor to H. Strater & Sons, Boston, Mass. Tumbler-washer. No. 1,072,528; Sept. 9; Gaz. vol. 194; p. 321.
- Stratford, John E. (See Boddeker and Stratford.)
- Stratton, Egbert A., assignor to Mansell, Hunt, Catty & Company Limited, London, England. Machine for making paper and like cups. No. 1,074,989; Oct. 7; Gaz. vol. 195; p. 136.
- Stratton, Franklin, Detroit, Mich. Automobile-body. No. 1,070,998; Aug. 19; Gaz. vol. 193; p. 721.
- Stratton, Harper E., Empire, Ohio. Vehicle-wheel. No. 1,049,418; Jan. 7; Gaz. vol. 186; p. 34.
- Stratton, Harry F., assignor to The Electric Controller and Manufacturing Company, Cleveland, Ohio. Controller for electric motors. No. 1,080,126; Dec. 2; Gaz. vol. 197; p. 73.
- Stratton, James M., assignor to The Deming Company, Salem, Ohio. Pump. No. 1,078,320; Nov. 11; Gaz. vol. 196; p. 403.
- Stratton, Mary A., *et al.* (See Hammes, Frederic J., assignor.)
- Stratton, Steuben T., Grand Prairie, Tex. Railway-tie. No. 1,053,752; Feb. 18; Gaz. vol. 187; p. 731.
- Straub, Constantine L., Milwaukee, Wis., assignor to Power and Mining Machinery Company, New York, N. Y. Gas plant. No. 1,064,107; June 10; Gaz. vol. 191; p. 356.
- Straub, Elmer E. (See Beaver, Isaac K., assignor.)
- Straub, Walther, Freiburg, assignor to C. F. Boehringer & Soehne, Mannheim-Waldhof, Berlin, Germany. Preparing alkaloid salts. No. 1,061,139; May 6; Gaz. vol. 190; p. 199.
- Straubel, Rudolf, assignor to Firm of C. Zeiss, Jena, Germany. Reflector search-light. No. 1,052,764; Feb. 11; Gaz. vol. 187; p. 345.
- Straus & Straus. (See Gaschke, George, assignor.)
- Straus, Theodore E., assignor to Worthington Cotton-Harvester Company, Baltimore, Md. Cotton-picker. No. 1,067,282; July 15; Gaz. vol. 192; p. 543.
- Straus, Theodore E., assignor to Worthington Cotton-Harvester Company, Baltimore, Md. Cotton-picker. No. 1,067,283; July 15; Gaz. vol. 192; p. 543.
- Strause Gas Iron Co. (See Heller, Max, assignor.)
- Strause Gas Iron Co. (See Spahr, Otto, assignor.)
- Strauser, John B., Altoona, Pa. Blue-expander. No. 1,072,056; Sept. 2; Gaz. vol. 194; p. 131.
- Strauss, Arthur. (See Linden, Meissen, and Strauss.)
- Strauss, Charles, and G. Remmel, New York, N. Y. Neck-tie-clasp or other fastener. No. 1,054,878; Mar. 4; Gaz. vol. 188; p. 78.
- Strauss, Ferdinand. (See Soper, William E., assignor.)
- Strauss, Frederick M., and L. Pesha, Marine City, Mich. Oil-separator. No. 1,049,547; Jan. 7; Gaz. vol. 186; p. 79.
- Strauss, Hans, assignor to Fried. Krupp Aktiengesellschaft, Essen-on-the-Ruhr, Germany. Driving device for gun elevating and training gears. No. 1,079,893; Nov. 25; Gaz. vol. 196; p. 1009.
- Strauss, Julius C., St. Louis, Mo. Man's garment. No. 1,052,765; Feb. 11; Gaz. vol. 187; p. 345.
- Straw, William P., Manchester, N. H. Loom-shuttle and bobbin therefor. No. 1,053,673; Feb. 18; Gaz. vol. 187; p. 703.
- Strawn, Ervin E., Storm Lake, Iowa. Printing-machine. No. 1,076,613; Oct. 21; Gaz. vol. 195; p. 754.
- Streberger, John F., assignor of one-half to E. L. Ackerman, Detroit, Mich. Concealed hinge. No. 1,075,130; Oct. 7; Gaz. vol. 195; p. 186.
- Strecker, Charles F., Marietta, Ohio. Bridle-crown. No. 1,071,478; Aug. 26; Gaz. vol. 193; p. 916.

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- Streeter, Alfred L., Chicago, Ill. Brake-shoe. No. 1,076,922; Oct. 28; Gaz. vol. 195; p. 917.
- Streich, Frank, Joliet, Ill. Bread-wrapper sealer. No. 1,081,560; Dec. 16; Gaz. vol. 197; p. 631.
- Streich, Gabriel, Oshkosh, Wis. Wagon. No. 1,052,388; Feb. 4; Gaz. vol. 187; p. 185.
- Streichert, Emil C. F. (See Harrison and Streichert.)
- Streichert, Emil C. F., Lockport, N. Y. Radiator-section. No. 1,076,527; Oct. 21; Gaz. vol. 195; p. 724.
- Streichert, Emil C. F., assignor to The Harrison Radiator Company, Lockport, N. Y. Assembling radiator-cores. No. 1,049,940; Jan. 7; Gaz. vol. 186; p. 210.
- Streichert, Emil C. F., assignor to The Harrison Radiator Company, Lockport, N. Y. Radiator. No. 1,053,546; Feb. 18; Gaz. vol. 187; p. 659.
- Streichert, Emil C. F., assignor to The Harrison Radiator Company, Lockport, N. Y. Radiator. No. 1,057,294; Mar. 25; Gaz. vol. 188; p. 996.
- Streit, George B., Detroit, Mich. Easel. No. 1,050,403; Jan. 14; Gaz. vol. 186; p. 402.
- Streit, George B., Detroit, Mich. Paper tube. No. 1,067,493; July 15; Gaz. vol. 192; p. 615.
- Streit, George B., Detroit, Mich. Mailing-package. No. 1,067,948; July 22; Gaz. vol. 192; p. 800.
- Streitwolf, August C., New Brunswick, N. J. Time-controlled mechanism. No. 1,065,984; July 1; Gaz. vol. 192; p. 29.
- Strellner, Charles, and J. Sierk, Davenport, Iowa. Dump-car. No. 1,067,074; July 8; Gaz. vol. 192; p. 433.
- Stretch, George B. (See Hart and Stretch.)
- Stribling, Samuel L., San Antonio, Tex. Wave-motor. No. 1,051,974; Feb. 4; Gaz. vol. 187; p. 44.
- Stricker, William. (See Saunders and Stricker.)
- Strickland, John S., and C. H. Beach, Tacoma, Wash. Automatic car-stopping device. No. 1,079,451; Nov. 25; Gaz. vol. 196; p. 854.
- Strickland, Joseph H., assignor of one-half to M. M. Strickland, Hortense, Ga. Railway-crossing. No. 1,065,281; June 17; Gaz. vol. 191; p. 784.
- Strickland, Moses M. (See Strickland, Joseph H., assignor.)
- Strickland, Theodore G., Cordell, Okla. Cotton-stalk knocker. No. 1,075,610; Oct. 14; Gaz. vol. 195; p. 380.
- Strickland, William R., assignor to The Peerless Motor Car Company, Cleveland, Ohio. Starter for internal-combustion engines. No. 1,074,990; Oct. 7; Gaz. vol. 195; p. 136.
- Strickler, Charles G. (See Brauer, Ernst H., assignor.)
- Strietelmeier, John E., assignor to The Ideal Wheel Company, Cincinnati, Ohio. Wheel. No. 1,059,009; Apr. 15; Gaz. vol. 189; p. 639.
- Strietelmeier, John E., assignor to The Ideal Wheel Company, Cincinnati, Ohio. Knockdown wheel. No. 1,079,305; Nov. 18; Gaz. vol. 196; p. 772.
- Strieth, Heinrich, Nuremberg, Germany. Pulping apparatus. No. 1,058,641; Apr. 8; Gaz. vol. 189; p. 470.
- Strimple, Pierce J., Sekitan, Ohio. Folding car-step. No. 1,079,452; Nov. 25; Gaz. vol. 196; p. 854.
- Stringfellow, Robert L., White Bluff, assignor to E. Gattis & Co., Huntland, Tenn. Fence-clamp. No. 1,069,634; Aug. 5; Gaz. vol. 193; p. 188.
- Stringham, John H., assignor to American Combustion Company, Jersey City, N. J. Nebulizer of liquids. No. 1,082,777; Dec. 30; Gaz. vol. 197; p. 1109.
- Strite, Frank S., Dallas, Tex. De-aerator. No. 1,072,670; Sept. 9; Gaz. vol. 194; p. 371.
- Strite, George T., Minneapolis, Minn. Piston for engines. No. 1,076,326; Oct. 21; Gaz. vol. 195; p. 652.
- Stritter, Otto, assignor to Akt. Ges. Mix & Genest, Telephon & Telegraphenwerke, Schöneberg-Berlin, Germany. Electrical means for producing sound. No. 1,081,635; Dec. 16; Gaz. vol. 197; p. 653.
- Strobel, John W., Charleston, S. C. Mail-box. No. 1,052,981; Feb. 11; Gaz. vol. 187; p. 420.
- Strobel & Wilken Co., The. (See Hamilton, Jesse K., assignor.)
- Stroberg, Alfred L., Brockton, Mass. Collapsible last. No. 1,054,471; Feb. 25; Gaz. vol. 187; p. 1011.
- Strock, John A. (See Jirousek and Plummer, assignors.)
- Strodel, Frank A., Syracuse, N. Y. Match-box. No. 1,083,153; Dec. 30; Gaz. vol. 197; p. 1232.
- Strodt, Ferdinand. (See Williams, Albert, assignor.)
- Strohan, Anatoli. (See Szuminski, Piotr, assignor.)
- Strohm, Charles F., Carthage, Mo. Resilient tire. No. 1,082,453; Dec. 23; Gaz. vol. 197; p. 960.
- Strohmman, Karl, Bremen, Germany. Ball-bearing door-hanger. No. 1,062,862; May 27; Gaz. vol. 190; p. 895.
- Strohmenger, Arthur P., Westminster, London, England, assignor to Slaughter and Company, Limited, London, England. Electric deposition of metals by fusion. No. 1,073,543; Sept. 16; Gaz. vol. 194; p. 714.
- Strom, Abraham A. (See Parker and Strom.)
- Strom, Eugene N., assignor to Pettibone Mulliken Co., Chicago, Ill. Guard-rail. No. 1,056,469; Mar. 18; Gaz. vol. 188; p. 682.
- Strom, Eugene N., assignor to Pettibone Mulliken Company, Chicago, Ill. Railway-switch. No. 1,056,470; Mar. 18; Gaz. vol. 188; p. 683.
- Strom, John A., Chicago, Ill. Cutting-board. No. 1,058,920; Apr. 15; Gaz. vol. 189; p. 608.
- Stromberg-Carlson Telephone Manufacturing Company. (See Groh, Bernard C., assignor.)
- Stromberg Electric Company. (See Crook, Charles M., assignor.)
- Stromberg Motor Devices Company. (See Anderson, Raymond M., assignor.)
- Stromberg Motor Devices Company. (See Wixon, Howard H., assignor.)
- Stromborg, Fritz O., Seattle, Wash. Ore-separator. No. 1,078,520; Nov. 11; Gaz. vol. 196; p. 471.
- Strong, Carlisle & Hammond Company, The. (See Weintz, Jacob, assignor.)
- Strong, Frederick A., Bridgeport, Conn., assignor to Weed Chain Tire Grip Company, New York, N. Y. Chain-tool. No. 1,069,041; July 29; Gaz. vol. 192; p. 1217.
- Strong, Frederick F., St. Petersburg, Fla. Electrolytic apparatus for the preparation of paper-pulp. No. 1,059,322; Apr. 15; Gaz. vol. 189; p. 745.
- Strong, Harry N., Chicago, Ill. Shampoo-brush. No. 1,062,053; May 20; Gaz. vol. 190; p. 583.
- Strong, James B. (See Kidd and Strong.)
- Strong, James E., Wilmington, Del. Cushioning device for tires. No. 1,081,005; Dec. 9; Gaz. vol. 197; p. 408.
- Strong-Kennard & Nutt Company, The. (See Nutt, Buell, assignor.)
- Strong, William W., Pittsburgh, Pa. Device for detecting suspended matter in gases. No. 1,070,556; Aug. 19; Gaz. vol. 193; p. 577.
- Strong, William W., Mechanicsburg, Pa. Smoke and fume recorder. No. 1,071,532; Aug. 26; Gaz. vol. 193; p. 934.
- Stroope, Joseph H., Fullerton, Cal. Wrench. No. 1,057,593; Apr. 1; Gaz. vol. 189; p. 67.
- Strootman, John, Buffalo, N. Y. Cushion heel-enlarger. No. 1,056,957; Mar. 25; Gaz. vol. 188; p. 881.
- Strother, Martin L. (See Sorensen, Rasmus B., assignor.)
- Strother, Robert H., Montclair, assignor to Union Typewriter Company of New Jersey, Jersey City, N. J. Type-writing machine. No. 1,050,248; Jan. 14; Gaz. vol. 186; p. 348.
- Stroud, Clarence E., Grand Island, Nebr. Step-ladder. No. 1,077,630; Nov. 4; Gaz. vol. 196; p. 141.
- Stroud, William. (See Barr and Stroud.)
- Strouse, Moses A. (See Harnishfeger, Alexander, assignor.)
- Strow, L. B., and T. E. McMillan, assignors of one-fourth to R. M. Biard and one-fourth to S. E. Yates, San Antonio, Tex. Oil-burner. No. 1,076,327; Oct. 21; Gaz. vol. 195; p. 653.
- Strowd, Robert L. (See Donnell, George E., assignor.)
- Strozier, Webster G., assignor of one-half to C. C. Sinclair, Washington, D. C. Dovetail-cutter. No. 1,070,635; Aug. 19; Gaz. vol. 193; p. 602.
- Struble, Jacob B., San Francisco, Cal., assignor to The Union Switch & Signal Company, Swissvale, Pa. Railway signaling. No. 1,055,683; Mar. 11; Gaz. vol. 188; p. 381.
- Struck, Philip, assignor of one-half to A. B. Wilson, Toronto, Ontario, Canada. Antislip-overshoe for horses. No. 1,077,765; Nov. 4; Gaz. vol. 196; p. 180.
- Strudwick, William T., Minneapolis, Minn. Milling-tool. No. 1,071,479; Aug. 26; Gaz. vol. 193; p. 916.
- Struensee, Louis C., Oshkosh, Wis. Evener. No. 1,064,561; June 10; Gaz. vol. 191; p. 510.
- Strupp, Theodor J., Elkton, S. D. Sled-runner. No. 1,049,548; Jan. 7; Gaz. vol. 186; p. 79.
- Stryhal, Joseph M., Pontiac, Mich. Mandrel. No. 1,050,575; Jan. 14; Gaz. vol. 186; p. 464.
- Stryker, Jacob, Somerville, Mass. Knife-cylinder for hide-working machines. No. 1,062,617; May 27; Gaz. vol. 190; p. 815.
- Strzelczyk, Samuel A., et al. (See Spirewfk, John S., Jr., assignor.)
- Stuart, George E. (See Rogers, Curtis E., assignor.)
- Stuart, John A. (See Watson, Robert C., assignor.)
- Stuart, John L., Oakland, assignor to W. A. Plummer Manufacturing Company, San Francisco, Cal. Machine for cutting bunting into strips. No. 1,059,503; Apr. 22; Gaz. vol. 189; p. 845.
- Stuart, Kenneth E., Philadelphia, Pa. Vehicle-buffer. No. 1,059,646; Apr. 22; Gaz. vol. 189; p. 891.
- Stuart, Louis C., Kansas City, Mo., assignor of one-half to S. Lindsey, Parsons, Kans. Folding spy-glass. No. 1,054,253; Feb. 25; Gaz. vol. 187; p. 936.
- Stuart, Romus F. (See Stuart, William F., assignor.)
- Stuart, William F., Garden City, Kans., assignor of one-half to R. F. Stuart, Indianapolis, Ind. Siphon and starting device therefor. No. 1,083,228; Dec. 30; Gaz. vol. 197; p. 1255.
- Stubblefield, John M., Pawhuska, Okla. School seat and desk. No. 1,073,718; Sept. 23; Gaz. vol. 194; p. 801.
- Stubbs, William A., New York, N. Y., assignor to United Shoe Machinery Company, Paterson, N. J. End-lasting wiper. No. 1,079,584; Nov. 25; Gaz. vol. 196; p. 901.
- Stubenrauch, Georg, Denver, Colo. Apparatus for forming roll edges on mattresses. No. 1,056,229; Mar. 18; Gaz. vol. 188; p. 600.
- Stubenrauch, Herman F., Chicago, Ill. Window-cleaning device. No. 1,077,651; Nov. 4; Gaz. vol. 196; p. 142.

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- Stuber & Kuck. (See Mohr, Frank J., assignor.)
- Stuck, Everett, assignor to Art Metal Construction Company, Jamestown, N. Y. Locking device for drawers of cabinets. No. 1,076,528; Oct. 21; Gaz. vol. 195; p. 724.
- Stuckel, Jacob. (See Larison and Stuckel.)
- Stuckel, William C., Newark, N. J. Treating water for steam-boiler purposes. No. 1,058,113; Apr. 8; Gaz. vol. 189; p. 291.
- Stuckey, Samuel G., Lockland, assignor to C. C. Stutz, Norwood, Ohio. Ladle. No. 1,063,225; June 3; Gaz. vol. 191; p. 19.
- Stucki, Arnold, Pittsburgh, Pa. Roller side bearing. No. 1,056,230; Mar. 18; Gaz. vol. 188; p. 601.
- Stucki, Arnold, Pittsburgh, Pa. Roller side bearing. (Reissue.) No. 13,567; May 20; Gaz. vol. 190; p. 764.
- Stucki, Arnold, Pittsburgh, Pa. Roller side bearing. No. 1,082,179; Dec. 23; Gaz. vol. 197; p. 866.
- Studdert, Richard, Westminster, London, England. Manufacture of traveling-trunks and similar receptacles. No. 1,083,154; Dec. 30; Gaz. vol. 197; p. 1232.
- Studebaker Corporation, The. (See Wilcoxon, John E., assignor.)
- Studer, Frank J. (See Kichline and Studer.)
- Stuebing, William, Cincinnati, Ohio. Machine for cutting and mounting sheet-metal strips. (Reissue.) No. 13,553; Apr. 15; Gaz. vol. 189; p. 751.
- Stuebing, William, Sr., Cincinnati, Ohio. Machine for mounting metal strips. No. 1,057,295; Mar. 25; Gaz. vol. 188; p. 996.
- Stuebner, Henry, Philadelphia, Pa. Antifriction-bearing. No. 1,068,017; July 22; Gaz. vol. 192; p. 824.
- Stuebner, Henry, Philadelphia, Pa. Antifriction-bearing. No. 1,068,018; July 22; Gaz. vol. 192; p. 825.
- Stuebner, Henry, Philadelphia, Pa. Antifriction-bearing. No. 1,068,019; July 22; Gaz. vol. 192; p. 825.
- Stuelke, Arthur F., Nashua, Iowa. Date-hook. No. 1,070,303; Aug. 12; Gaz. vol. 193; p. 448.
- Stühler, Martin, Cologne, Germany. Apparatus for the automatic manufacture and direct supply of aerated beverages. No. 1,055,952; Mar. 11; Gaz. vol. 188; p. 471.
- Stuhlrohrfabrik Bremen, Carl Frese & Co. (See Meier, Heinrich, assignor.)
- Stukart, Hendrik, Rotterdam, Netherlands, assignor to U. S. Slicing Machine Company, Chicago, Ill. Sharpening device for knives of meat-slicing machines. No. 1,051,646; Jan. 28; Gaz. vol. 186; p. 895.
- Stukenborg, Louis C., Birmingham, Ala. Hose-supporter. No. 1,070,557; Aug. 19; Gaz. vol. 193; p. 578.
- Stukey, Lawson J. (See Lamar, Alexis L., assignor.)
- Stull, Emmett W., Milwaukee, Wis., assignor to Allis-Chalmers Company. Motor-control system. No. 1,050,497; Jan. 14; Gaz. vol. 186; p. 438.
- Stultz, Omer L. (See Taggart, Thomas O., assignor.)
- Stultz, Peter H., Supply, Okla. Mail-delivery apparatus. No. 1,053,453; Feb. 18; Gaz. vol. 187; p. 627.
- Stum, Samuel A., San Francisco, Cal. Trap for gas-mains and the like. No. 1,082,216; Dec. 23; Gaz. vol. 197; p. 879.
- Stump, George, Independence, Kans. Machine for making and laying concrete pipe. No. 1,053,642; Apr. 8; Gaz. vol. 189; p. 471.
- Stumpf, Johann, Berlin, Germany. Compressor. No. 1,055,239; Mar. 4; Gaz. vol. 188; p. 195.
- Stumpf, Johann, Berlin, Germany. Steam-engine. No. 1,065,477; June 24; Gaz. vol. 191; p. 839.
- Stumpf, Johann, Berlin, Germany. Steam-engine. No. 1,069,087; July 29; Gaz. vol. 192; p. 1234.
- Stumpf, Paul, and J. Schroeder, Berlin, Germany, assignors to General Electric Company. Controlling device for flying-machines. No. 1,061,701; May 13; Gaz. vol. 190; p. 428.
- Stunz, William P., Lansdowne, assignor to G. R. Webb, Baltimore, Md. Cushion for diaphragms of telephonic and like instruments. No. 1,062,559; May 20; Gaz. vol. 190; p. 752.
- Sturdevant, Charles R., Worcester, Mass., assignor to The American Steel & Wire Company of New Jersey, Hoboken, N. J. Rail-bond. No. 1,056,854; Mar. 25; Gaz. vol. 188; p. 844.
- Sturdy, Robert W., Stephenson, Mich., assignor of one-half to C. W. McEwan, Omaha, Nebr. Wrench. No. 1,075,516; Oct. 14; Gaz. vol. 195; p. 348.
- Sturges, Frank M., Danbury, Conn. Fastener. No. 1,069,495; Aug. 5; Gaz. vol. 193; p. 142.
- Sturges, Varney K., Oakland, Cal. Tire-protector. No. 1,077,440; Nov. 4; Gaz. vol. 196; p. 71.
- Sturges, William H. (See Smith, George P., assignor.)
- Sturgis, Charles M., Birmingham, Ala. Weighing-scale balancing-lever. No. 1,057,987; Apr. 1; Gaz. vol. 189; p. 202.
- Sturgis, Samuel D., Los Angeles, Cal. Metal-rolling machine. No. 1,062,807; May 27; Gaz. vol. 190; p. 876.
- Sturm, Ernst. (See Rauch, Charles, assignor.)
- Sturm, Mayer & Company. (See Schiller, Maurice H., assignor.)
- Sturtevant Engineering Company. (See Hessling, Walde-mar, assignor.)
- Sturtevant, Julius. (See Weinzierl and Sturtevant.)
- Sturtevant, Julius, and J. T. Weinzierl, New Kensington, Pa. Tool. No. 1,052,982; Feb. 11; Gaz. vol. 187; p. 421.
- Sturtevant Mill Company. (See Sturtevant, Thomas J., assignor.)
- Sturtevant, Thomas J., Wellesley, Mass., assignor to Sturtevant Mill Company. Crushing-mill. No. 1,072,057; Sept. 2; Gaz. vol. 194; p. 132.
- Sturtevant, Thomas J., Wellesley, Mass., assignor to Sturtevant Mill Company. Crushing-mill. No. 1,072,058; Sept. 2; Gaz. vol. 194; p. 132.
- Sturtevant, Thomas J., Wellesley, Mass., assignor to Sturtevant Mill Company. Crushing-mill. No. 1,072,059; Sept. 2; Gaz. vol. 194; p. 132.
- Sturtevant, Thomas J., Wellesley, Mass., assignor to Sturtevant Mill Company. Screen or separator. No. 1,072,879; Sept. 9; Gaz. vol. 194; p. 446.
- Sturtewagen, Theophile, Bath, England. Ice-cream-freezing machine. No. 1,051,355; Jan. 21; Gaz. vol. 186; p. 763.
- Stutsman, Reuben O., Des Moines, Iowa. Corn-popper. No. 1,078,521; Nov. 11; Gaz. vol. 196; p. 472.
- Stutz, Charles C. (See Stuckey, Samuel G., assignor.)
- Stutz, Charles C., Norwood, Ohio, and R. F. Arnott, Upper Montclair, assignors to I. L. Myers, Plainfield, N. J. Cap forming and applying machine. No. 1,075,796; Oct. 14; Gaz. vol. 195; p. 442.
- Stutz, Edward, Philadelphia, Pa. Loom. No. 1,071,368; Aug. 26; Gaz. vol. 193; p. 880.
- Stutzer, Edward, Brooklyn, N. Y. Nailing-machine. No. 1,060,377; Apr. 29; Gaz. vol. 189; p. 1181.
- Stutzman, Frank, Williamsport, Pa. Circular cutter-head. No. 1,071,970; Sept. 2; Gaz. vol. 194; p. 102.
- Styve, Lucy, Albert Lea, Minn. Head and arm rest. No. 1,080,732; Dec. 9; Gaz. vol. 197; p. 313.
- Sublett, Benjamin T., Danville, Va. Tobacco-plug extractor. No. 1,081,786; Dec. 16; Gaz. vol. 197; p. 705.
- Submarine Signal Company. (See Williams, Robert L., assignor.)
- Submarine Wireless Company. (See Berger, Christian, assignor.)
- Suchanek, Frank J., New York, N. Y. Hydrothermometer. No. 1,054,879; Mar. 4; Gaz. vol. 188; p. 78.
- Suchorzynski, Anton von, Steglitz, near Berlin, Germany. Ear appliance for facilitating hearing. No. 1,077,766; Nov. 4; Gaz. vol. 196; p. 181.
- Sucrofilter- und Wasserreinigungs Gesellschaft mit beschränkter Haftung. (See Herzfeld, Julius, assignor.)
- Suddarth, Archibald C. (See Beverage, Suddarth, and Wood.)
- Suddarth, Lloyd J., Silex, Mo. Automatic weighing-machine. No. 1,061,338; May 13; Gaz. vol. 190; p. 301.
- Sudekum, William, Nashville, Tenn. Metallic packing. No. 1,074,663; Oct. 7; Gaz. vol. 195; p. 27.
- Suekoff, Alexander, Jr., assignor to himself and L. Suekoff, Chicago, Ill. Mattress or cushion. No. 1,053,675; Feb. 18; Gaz. vol. 187; p. 704.
- Suekoff, Louis. (See Suekoff, Alexander, Jr., assignor.)
- Sugden, Albert, Stratford, Ontario, Canada. Aeroplane. No. 1,063,843; June 3; Gaz. vol. 191; p. 232.
- Suggitt, John, Minneapolis, Minn. Reversible side ballast-unloading plow for cars. No. 1,078,755; Nov. 18; Gaz. vol. 196; p. 585.
- Subr, William H., Oelwein, Iowa. Tank-heater. No. 1,073,544; Sept. 16; Gaz. vol. 194; p. 714.
- Suida, Gustav, Vienna, Austria-Hungary. Hydraulic compressor. No. 1,059,232; Apr. 15; Gaz. vol. 189; p. 714.
- Suiter, John D., Iconium, Mo. Egg-tester. No. 1,052,766; Feb. 11; Gaz. vol. 187; p. 346.
- Sullivan, Antonio, Bridgeport, Conn. Filter. No. 1,069,042; July 29; Gaz. vol. 192; p. 1217.
- Sullivan, Clark E., Evansville, Ind. Safety horse-hitching device. No. 1,072,671; Sept. 9; Gaz. vol. 194; p. 371.
- Sullivan, Clement H. (See Allen and Sullivan.)
- Sullivan, Daniel F., assignor of two-thirds to J. J. Sullivan, Lowell, and T. A. Collins, Lawrence, Mass. Quarter-saver for circular spring-needle knitting-machines. No. 1,064,868; June 17; Gaz. vol. 191; p. 649.
- Sullivan, Frank, Port Royal, S. C., assignor of one-half to C. J. Batchelor, Baltimore, Md. Non-refillable bottle. No. 1,062,998; May 27; Gaz. vol. 190; p. 939.
- Sullivan, George, New York, N. Y. Lap-robe. No. 1,074,389; Sept. 30; Gaz. vol. 194; p. 1053.
- Sullivan, J. B., et al. (See Dean, Henry A., assignor.)
- Sullivan, James M., Norfolk, Nebr. Seed-corn tester. No. 1,056,307; Mar. 18; Gaz. vol. 188; p. 627.
- Sullivan, John J., et al. (See Sullivan, Daniel F., assignor.)
- Sullivan, John J., Ipswich, Mass., assignor to The Singer Manufacturing Company. Thread-cutting device. No. 1,066,862; July 8; Gaz. vol. 192; p. 363.
- Sullivan, John M. (See Pezzaglia, Joseph B., assignor.)

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- Sullivan, John R., Ridgewood, N. J., assignor to John Boyle & Company, New York, N. Y. Head-rod holder for awnings. No. 1,059,323; Apr. 15; Gaz. vol. 189; p. 745.
- Sullivan, John T. (See Conroy and Sullivan.)
- Sullivan, John W., assignor of three-sixteenths to F. W. Parkinson and three-sixteenths to W. M. Hatch, New York, N. Y. Indicator and alarm. No. 1,055,099; Mar. 4; Gaz. vol. 188; p. 151.
- Sullivan Machinery Company. (See Ball, Albert, assignor.)
- Sullivan Machinery Company. (See Ball and Officer, assignors.)
- Sullivan Machinery Company. (See Gilman, George H., assignor.)
- Sullivan Machinery Company. (See Holdsworth, Fred D., assignor.)
- Sullivan Machinery Company. (See Mercer, Henry H., assignor.)
- Sullivan, Mark J., Chicago, Ill. Exercising apparatus. No. 1,075,309; Oct. 7; Gaz. vol. 195; p. 251.
- Sullivan, Maude E. (See Brainard, Morell L., assignor.)
- Sullivan, Thomas J., New York, N. Y. Electrical announcing attachment for cash-registers. No. 1,053,116; Feb. 11; Gaz. vol. 187; p. 468.
- Sullivan, William, New York, N. Y. Awning. No. 1,079,894; Nov. 25; Gaz. vol. 196; p. 1010.
- Sullivan, William F., and A. M. Wasbauer, assignors of one-eighth to I. Wasbauer, Paterson, N. J. Rotary fluid-pressure motor. No. 1,077,568; Nov. 4; Gaz. vol. 196; p. 114.
- Sullivan, William H., deceased, by A. S. Chase, administratrix, Kansas City, Mo., assignor of one-half to E. P. Chace, Shawnee, Kans. Steam-engine. No. 1,081,787; Dec. 16; Gaz. vol. 197; p. 705.
- Sulman, Henry L. (See Rees and Sulman.)
- Sulzbach, Jacob, New York, N. Y. Umbra printing device. No. 1,064,180; June 10; Gaz. vol. 191; p. 381.
- Sulzberger, Nathan, New York, N. Y. Peptonized vegetable and animal extract. No. 1,060,296; Apr. 29; Gaz. vol. 189; p. 1153.
- Sulzberger & Sons Company. (See Clair, Edward T., assignor.)
- Sumbulian, Hampartzum, Boston, Mass. Photographic retouching-frame. No. 1,074,664; Oct. 7; Gaz. vol. 195; p. 27.
- Summa, Victor M., assignor to American Car and Foundry Company, St. Louis, Mo. Car-underframe. No. 1,066,544; July 8; Gaz. vol. 192; p. 253.
- Summa, Victor M., assignor to American Car and Foundry Company, St. Louis, Mo. Car-underframe. No. 1,066,545; July 8; Gaz. vol. 192; p. 253.
- Summa, Victor M., assignor to American Car and Foundry Company, St. Louis, Mo. Monosill car-underframe. No. 1,066,546; July 8; Gaz. vol. 192; p. 253.
- Summa, Victor M., assignor to American Car and Foundry Company, St. Louis, Mo. Car-door-operating device. No. 1,066,547; July 8; Gaz. vol. 192; p. 254.
- Summa, Victor M., assignor to American Car and Foundry Company, St. Louis, Mo. Underframe. No. 1,066,548; July 8; Gaz. vol. 192; p. 254.
- Summa, Victor M., assignor to American Car and Foundry Company, St. Louis, Mo. Bolster. No. 1,066,549; July 8; Gaz. vol. 192; p. 254.
- Summa, Victor M., assignor to American Car and Foundry Company, St. Louis, Mo. Car-underframe. No. 1,066,550; July 8; Gaz. vol. 192; p. 255.
- Summa, Victor M., assignor to American Car and Foundry Company, St. Louis, Mo. Railway-car end construction. No. 1,078,222; Nov. 11; Gaz. vol. 196; p. 368.
- Summa, Victor M., assignor to American Car and Foundry Company, St. Louis, Mo. Car-door-operating device. No. 1,078,321; Nov. 11; Gaz. vol. 196; p. 404.
- Summa, Victor M., assignor to American Car and Foundry Company, St. Louis, Mo. Car-roof. No. 1,078,967; Nov. 18; Gaz. vol. 196; p. 656.
- Summa, Victor M., assignor to American Car and Foundry Company, St. Louis, Mo. Car-underframe. No. 1,080,178; Dec. 2; Gaz. vol. 197; p. 90.
- Summeril, Frank H., Denver, Colo., assignor of one-half to H. N. Norton, Mount Vernon, N. Y. Fluid power-transmission apparatus. No. 1,064,562; June 10; Gaz. vol. 191; p. 510.
- Summers, Bertrand S., Port Huron, Mich. Dye and preparing the same. No. 1,053,676; Feb. 18; Gaz. vol. 187; p. 704.
- Summers, Bertrand S., Port Huron, Mich., assignor to Summers Linen Company. Dyeing. No. 1,064,393; June 10; Gaz. vol. 191; p. 454.
- Summers, Bertrand S., Port Huron, Mich., assignor to Summers Linen Company. Mechanism for treating the straw of flax and the like. No. 1,069,202; Aug. 5; Gaz. vol. 193; p. 40.
- Summers, Bertrand S., Port Huron, Mich., assignor to Summers Linen Company. Dyeing apparatus. No. 1,069,827; Aug. 12; Gaz. vol. 193; p. 285.
- Summers, Bertrand S., assignor, by mesne assignments, to Summers Linen Company, Port Huron, Mich. Mechanism for treating the straw of flax and the like. No. 1,082,778; Dec. 30; Gaz. vol. 197; p. 1110.
- Summers, Edgar W., assignor to Summers Steel Car Company, Pittsburgh, Pa. Railway-car. (Reissue.) No. 13,646; Nov. 11; Gaz. vol. 196; p. 503.
- Summers, James F., New York, N. Y. Automatic bowling-machine. No. 1,058,490; Apr. 8; Gaz. vol. 189; p. 421.
- Summers Linen Company. (See Summers, Bertrand S., assignor.)
- Summers Steel Car Company. (See Summers, Edgar W., assignor.) (Reissue.)
- Summerscales, Samuel H., Winnipeg, Manitoba, Canada. Metallic wheel. No. 1,078,522; Nov. 11; Gaz. vol. 196; p. 472.
- Summerson, Charles H., Jr., Pittsburgh, Pa. Railway-tie. No. 1,063,300; June 3; Gaz. vol. 191; p. 44.
- Summey, David L., assignor to Chase Rolling Mill Co., Waterbury, Conn. Method of and machine for extruding metal. (Reissue.) No. 13,562; May 13; Gaz. vol. 190; p. 513.
- Summey, David L., assignor to Chase Rolling Mill Co., Waterbury, Conn. Tube-pointing machine. No. 1,070,379; Aug. 12; Gaz. vol. 193; p. 474.
- Summey, David L., assignor to Chase Rolling Mill Co., Waterbury, Conn. Machine for coiling metal strips. No. 1,079,071; Nov. 18; Gaz. vol. 196; p. 696.
- Summit Rubber Company, The. (See Johnson, Lawrence J., assignor.)
- Sumner, George, New York, N. Y. Supplementary spring for vehicles. No. 1,068,020; July 22; Gaz. vol. 192; p. 825.
- Sumner, James A., Shenandoah, Iowa. Cleaning and waxing pad for sad-irons. No. 1,074,478; Sept. 30; Gaz. vol. 194; p. 1082.
- Sumner, Orlando, St. Margarets-on-Thames, assignor to The International Bleachers' Corporation, Limited, London, England. Apparatus for bleaching and for preparing bleaching, deodorizing, and disinfecting solutions. No. 1,075,873; Oct. 14; Gaz. vol. 195; p. 469.
- Sumpter, Ernest W. (See Carence and Sumpter.)
- Sumrall, Nevada W., and R. C. Bigham, Rogers, Tex. Stalk-cutting attachment for plows. No. 1,081,521; Dec. 16; Gaz. vol. 197; p. 619.
- Sumter Electrical Company. (See Mason, Charles T., assignor.)
- Sumter Electrical Company. (See Remy, Benjamin P. and F. I., assignors.)
- Sumwalt, Clarence A., Sterling, Kans. Hay-harvesting machine. No. 1,070,359; Aug. 12; Gaz. vol. 193; p. 466.
- Sumwalt, Clarence A., Sterling, Kans. Hay-harvesting machine. No. 1,078,468; Nov. 11; Gaz. vol. 196; p. 454.
- Sundbach, Gideon, Hoboken, N. J., assignor to Automatic Hook and Eye Company. Separable fastener. No. 1,060,378; Apr. 29; Gaz. vol. 189; p. 1182.
- Sundberg, Fredolph N., Galva, Ill. Harrow-truck wagon. No. 1,074,991; Oct. 7; Gaz. vol. 195; p. 137.
- Sundby, Hans, Stoughton, Wis. Wagon-axle. No. 1,062,863; May 27; Gaz. vol. 190; p. 895.
- Sundee, John R., assignor to Warner Jewelry Case Company, Buffalo, N. Y. Jewelry-box pad. No. 1,064,108; June 10; Gaz. vol. 191; p. 356.
- Sundee, John R., assignor to Warner Jewelry Case Company, Buffalo, N. Y. Spring-lid box. No. 1,069,299; Aug. 5; Gaz. vol. 193; p. 74.
- Sundelius, Severus. (See Davidson and Sundelius.)
- Sunderland, Charles C., Trenton, N. J., assignor to John A. Roebling's Sons Company. Cableway. No. 1,077,921; Nov. 4; Gaz. vol. 196; p. 233.
- Sunderland, Leo, and G. C. Pillinger, Westminster, London, England. Electric and automatic control of engines, dynamos, and batteries. No. 1,054,368; Feb. 25; Gaz. vol. 187; p. 975.
- Sunderland, Willis A. (See Tilden, Clarence B., assignor.)
- Sundgaard, Olaf J., St. Paul, Minn. Catch-lock. No. 1,076,796; Oct. 28; Gaz. vol. 195; p. 872.
- Sundh, August, Hastings-upon-Hudson, N. Y. Combined friction and spur gearing. No. 1,060,865; May 6; Gaz. vol. 190; p. 104.
- Sundh, August, Yonkers, N. Y., assignor to Otis Elevator Company, Jersey City, N. J. Inductive controlling apparatus. No. 1,052,528; Feb. 11; Gaz. vol. 187; p. 266.
- Sundh, August, Yonkers, N. Y., assignor to Otis Elevator Company, Jersey City, N. J. Multiple-unit power-transmission mechanism. No. 1,055,569; Mar. 11; Gaz. vol. 188; p. 343.
- Sundh, August, Yonkers, N. Y., assignor to Otis Elevator Company, Jersey City, N. J. Alternating-current electromechanical controller. No. 1,055,570; Mar. 11; Gaz. vol. 188; p. 343.
- Sundh, August, Yonkers, N. Y., assignor to Otis Elevator Company, Jersey City, N. J. Hydraulic variable-gear transmission. No. 1,058,271; Apr. 8; Gaz. vol. 189; p. 345.
- Sundh, August, Yonkers, N. Y., assignor to Otis Elevator Company, Jersey City, N. J. Means for winding electromagnets. No. 1,066,676; July 8; Gaz. vol. 192; p. 299.
- Sundh, August, Yonkers, N. Y., assignor to Otis Elevator Company, Jersey City, N. J. Electromagnet-switch. No. 1,066,677; July 8; Gaz. vol. 192; p. 299.
- Sundh, August, Yonkers, N. Y., assignor to Otis Elevator Company, Jersey City, N. J. Car-switch controller for electric elevators. No. 1,066,678; July 8; Gaz. vol. 192; p. 300.

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- Sundh, August, Yonkers, N. Y., assignor to Otis Elevator Company, Jersey City, N. J. Automatic brake mechanism for spool-winding machines. No. 1,077,375; Nov. 4; Gaz. vol. 196; p. 47.
- Sundh, August, Yonkers, N. Y., assignor to Otis Elevator Company, Jersey City, N. J. Mechanical variable power and speed gear for transmission. No. 1,081,636; Dec. 16; Gaz. vol. 197; p. 654.
- Sundman, Lars F. (See Tesreau and Sundman.)
- Sundquist, Claus L., Rockford, Ill. Music-cabinet. No. 1,062,263; May 20; Gaz. vol. 190; p. 656.
- Sundt, Charles. (See Schaller and Sundt.)
- Sunkler, John, Monterey, Cal. Adjustable stand for barrels, &c. No. 1,064,939; June 17; Gaz. vol. 191; p. 671.
- Sunlight Double Glass Sash Company. (See Bodley, William S., assignor.)
- Sunshine, Benjamin, New York, N. Y. Collar for shirts. No. 1,063,747; June 3; Gaz. vol. 191; p. 200.
- Sunshine, Monroe. (See Glasgow and Sunshine.)
- Sunshine Specialty Manufacturing Company. (See Cobb and Shaw, assignors.)
- Sunvold, Herman H. and H. Larson, Sacred Heart, Minn. Shock-absorber. No. 1,061,420; May 13; Gaz. vol. 190; p. 329.
- Super, Frank J., assignor of one-half to J. E. Davis, Portland, Oreg. Automatic take-up lock for safes. No. 1,053,892; Feb. 18; Gaz. vol. 187; p. 774.
- Superior Asbestos Company. (See Ahrens, Emil, assignor.)
- Superior Gas Improvement Company. (See Miller, Commodore R., assignor.)
- Superior Hay Stacker Mfg. Co., The. (See Vroom, Oler P., assignor.)
- Superior Register Company. (See Staples, Albert F., assignor.)
- Suren, Nathan H., Needham, Mass., assignor to The Gamewell Fire-Alarm Telegraph Company, New York, N. Y. Repeating-transmitter for fire-alarm telegraph systems. No. 1,065,478; June 24; Gaz. vol. 191; p. 889.
- Suren, Nathan H., Needham, Mass., assignor to Gamewell Fire-Alarm Telegraph Company, New York, N. Y. Auxiliary-alarmed fire-alarm box. No. 1,077,767; Nov. 4; Gaz. vol. 196; p. 181.
- Surgical Supply Importing Company, The. (See Romeo, Pasquale, assignor.)
- Surmont, Lucien, and J. Montecol, Paris, France. Carborundum composition. No. 1,056,069; Mar. 18; Gaz. vol. 188; p. 546.
- Surrell, John R., New York, N. Y. Boiler-furnace and feed-water heater. No. 1,067,494; July 15; Gaz. vol. 192; p. 615.
- Susemihl, Richard L. (See Carrington and Susemihl.)
- Susemihl, Theodor. (See Carrington and Susemihl.)
- Suspension Bed Spring Manufacturing Co. (See Garmise, Adolph, assignor.)
- Suspension Tire Company. (See Grigg, Thomas H., assignor.)
- Susquehanna Silk Mills. (See Scott, William H., Jr., assignor.)
- Suss, Charles, Rochester, N. Y. Tenpin. No. 1,078,223; Nov. 11; Gaz. vol. 196; p. 369.
- Susskind, Joseph N., Philadelphia, Pa. Cap. No. 1,069,203; Aug. 5; Gaz. vol. 193; p. 41.
- Süssmann, Heinrich, and M. Mayer, assignors to Deutsche Gasglühlicht Aktiengesellschaft, Berlin, Germany. Inverted high-power gas-lamp. No. 1,067,560; July 15; Gaz. vol. 192; p. 636.
- Suszycki, John, Reedsburg, Wis. Street-sweeper. No. 1,061,421; May 13; Gaz. vol. 190; p. 329.
- Sutch, Alfred J., assignor of one-half to W. A. J. Smale, Chicago, Ill. Clamping device. No. 1,077,652; Nov. 4; Gaz. vol. 196; p. 142.
- Suteliffe, Edgar R., Leigh, England. Kiln. No. 1,061,952; May 13; Gaz. vol. 190; p. 508.
- Suter, Jacob, Jersey City, N. J. Door and window check. No. 1,055,829; Mar. 11; Gaz. vol. 188; p. 431.
- Suter, William H., Chicago, Ill. Freight-car door. No. 1,064,394; June 10; Gaz. vol. 191; p. 454.
- Suters, Thomas, Iilon, N. Y., assignor to Library Bureau, Boston, Mass. Locking-clamp. No. 1,053,328; Feb. 18; Gaz. vol. 187; p. 584.
- Sutherland, Alexander K., assignor to The Trumbull Electric Manufacturing Company, Plainville, Conn. Knife-switch blade. No. 1,078,523; Nov. 11; Gaz. vol. 196; p. 472.
- Sutherland, Franklin T. (See Bailey, James F., assignor.)
- Sutherland, Roland E., Portland, Oreg. Wrench. No. 1,066,679; July 8; Gaz. vol. 192; p. 300.
- Sutlive, James H., Keokuk, Iowa. Baton, staff, or cane. No. 1,081,168; Dec. 9; Gaz. vol. 197; p. 460.
- Sutorik, Joseph, Detroit, Mich. Micrometer-gage. No. 1,065,744; June 24; Gaz. vol. 191; p. 979.
- Sutorik, Joseph, and J. Ranjak, Detroit, Mich. Soldering-iron. No. 1,057,684; Apr. 1; Gaz. vol. 189; p. 98.
- Sutphin, Elmer E. E., Davenport, Iowa. Explosive-engine. No. 1,071,823; Sept. 2; Gaz. vol. 194; p. 54.
- Sutro, Harry H., deceased, New York, N. Y.; V. Sutro, administrator, assignor to L. M. Booth Company. Apparatus for treating liquids. No. 1,077,316; Nov. 4; Gaz. vol. 196; p. 26.
- Sutro, Victor, administrator. (See Sutro, Harry H.)
- Sutton, Charles L., Oakland, Iowa. Pneumatic cushioning device for vehicles. No. 1,064,395; June 10; Gaz. vol. 191; p. 454.
- Sutton, David V. (See Anthony, Alfred R., assignor.)
- Sutton, Eleanor P., Ellsworth, Me. Insect catcher and destroyer. No. 1,055,240; Mar. 4; Gaz. vol. 188; p. 195.
- Sutton, George A. K., New York, N. Y. Collapsible revolving door. No. 1,069,739; Aug. 12; Gaz. vol. 193; p. 254.
- Sutton, Harry F., Wyoming, assignor of one-half to J. McNamara, Scranton, Pa. Track-gage and level-board. No. 1,076,797; Oct. 28; Gaz. vol. 195; p. 872.
- Sutton, Henry M., W. L. and E. G. Steele, Dallas, Tex. Separating-table and process of separation. No. 1,073,644; Sept. 23; Gaz. vol. 194; p. 772.
- Sutton, Henry M., W. L. and E. G. Steele, Dallas, Tex. Process of and apparatus for progressive electrostatic separation of comminuted materials. No. 1,073,645; Sept. 23; Gaz. vol. 194; p. 772.
- Sutton, John T., Urbana, Ill. Combined hair-brush and comb. No. 1,065,745; June 24; Gaz. vol. 191; p. 979.
- Sutton, Raymond C., North Attleboro, Mass. Feed-trough for poultry. No. 1,078,524; Nov. 11; Gaz. vol. 196; p. 472.
- Sutton, William S., Rockford, assignor to American Radiator Company, Chicago, Ill. Pump. No. 1,053,677; Feb. 18; Gaz. vol. 187; p. 704.
- Sutton, William S., Rockford, assignor to American Radiator Company, Chicago, Ill. Suction cleaning-tool. No. 1,061,422; May 13; Gaz. vol. 190; p. 329.
- Sutton, Zoa L., Little Rock, Ark. Folding crate. No. 1,066,338; July 1; Gaz. vol. 192; p. 153.
- Suzzi, Taddeo C., assignor, by mesne assignments, to machine. No. 1,060,648; May 6; Gaz. vol. 190; p. 28.
- United Fig & Date Co., Chicago, Ill. Nut-cracking machine. No. 1,060,648; May 6; Gaz. vol. 190; p. 28.
- Svebilus, Henry M., assignor to J. Saltzman, Chicago, Ill. Garment-presser. No. 1,070,203; Aug. 12; Gaz. vol. 193; p. 413.
- Svenson, Charles W., assignor to The American Hardware Corporation, New Britain, Conn. Coaster hub-brake. No. 1,060,511; Apr. 29; Gaz. vol. 189; p. 1228.
- Svensson, Fritz O. (See Hedberg and Svensson.)
- Svistounoff, Boris, St. Petersburg, Russia. Ordnance sighting device. No. 1,058,272; Apr. 8; Gaz. vol. 189; p. 346.
- Svoboda, Bohumil, New York, N. Y. Knockdown crab-trap. No. 1,054,880; Mar. 4; Gaz. vol. 188; p. 79.
- Swaim, Cecil J., Montreal, Quebec, Canada. Paper-holding attachment for type-writers. No. 1,070,636; Aug. 19; Gaz. vol. 193; p. 603.
- Swales, Elizabeth. (See Swales, Frank and E.)
- Swales, Frank and E., Islington, London, England. Horse-bit. No. 1,076,716; Oct. 28; Gaz. vol. 195; p. 844.
- Swallie, Harriet, Sidney, Ohio. Waist-form. No. 1,066,551; July 8; Gaz. vol. 192; p. 255.
- Swallow, Charles A., Buffalo, N. Y. Journal-box lid. No. 1,062,054; May 20; Gaz. vol. 190; p. 583.
- Swan, Ervin D., Glen Ridge, N. J. Cableway. No. 1,074,140; Sept. 30; Gaz. vol. 194; p. 970.
- Swan, George B., Cross Plains, Tex. Lever mechanism for baling-presses. No. 1,082,454; Dec. 23; Gaz. vol. 197; p. 961.
- Swan, Henry R., Huntington, W. Va. Car-coupling. No. 1,081,066; Dec. 9; Gaz. vol. 197; p. 426.
- Swan, John P., assignor to General Fire Extinguisher Company, Providence, R. I. Pipe-hanger. No. 1,062,372; May 20; Gaz. vol. 190; p. 692.
- Swan, John P., assignor to General Fire Extinguisher Company, Providence, R. I. Pipe-hanger. No. 1,062,373; May 20; Gaz. vol. 190; p. 692.
- Swan, Lewis E., Detroit, Mich. Twine and cord holder. No. 1,070,999; Aug. 19; Gaz. vol. 193; p. 721.
- Swan, Thomas, Detroit, Mich., assignor to The Standard Top & Equipment Company, Cleveland, Ohio. Curtain-attaching clip for vehicles. No. 1,054,254; Feb. 25; Gaz. vol. 187; p. 936.
- Swan, William R., Bridgeport, Conn. Treatment of iron and steel to form a permanent black finish thereon. No. 1,079,453; Nov. 25; Gaz. vol. 196; p. 854.
- Swank, Lafa. (See Van Deventer and Swank.)
- Swann, Charles, Gravesend, assignor of one-third to C. F. Townsend and one-third to S. E. Page, London, England. Vacuum cleaning apparatus. No. 1,078,469; Nov. 11; Gaz. vol. 196; p. 455.
- Swanson, Andrew C., Seattle, Wash. Hat. No. 1,062,668; May 27; Gaz. vol. 190; p. 831.
- Swanson, August, Cedar Rapids, Iowa. Conveyer. No. 1,065,746; June 24; Gaz. vol. 191; p. 979.
- Swanson, Benjamin B., Portage, Pa. Safety-barrier for windows. No. 1,082,368; Dec. 23; Gaz. vol. 197; p. 934.
- Swanson, Charles A., and A. B. Brooke, Hancock, Md. Steam-hose. No. 1,052,861; Feb. 11; Gaz. vol. 187; p. 379.
- Swanson, Emil, assignor to Steger & Sons Piano Manufacturing Company, Steger, Ill. Pneumatic action for automatic playing mechanism. No. 1,065,634; June 24; Gaz. vol. 191; p. 942.

Alphabetical list of patentees—Continued.

- Swanson, Emil, assignor to Steger & Sons Piano Manufacturing Company, Steger, Ill. Roll-driving and roll-carriage-adjusting mechanism for automatic players. No. 1,070,637; Aug. 19; Gaz. vol. 193; p. 603.
- Swanson, Emil, assignor to Steger & Sons Piano Manufacturing Company, Steger, Ill. Folding pedal. No. 1,074,222; Sept. 30; Gaz. vol. 194; p. 997.
- Swanson, Emil, assignor to Steger & Sons Piano Manufacturing Company, Steger, Ill. Folding pedal. No. 1,074,223; Sept. 30; Gaz. vol. 194; p. 998.
- Swanson, Emil, assignor to Steger & Sons Piano Manufacturing Company, Steger, Ill. Pneumatic action for automatic playing mechanism. No. 1,079,072; Nov. 18; Gaz. vol. 196; p. 696.
- Swanson, Emil, assignor to Steger & Sons Piano Manufacturing Company, Steger, Ill. Hammer-rest-rail-operating device for player-pianos. No. 1,082,369; Dec. 23; Gaz. vol. 197; p. 935.
- Swanson, Eric. (See Wilcoxson and Swanson.)
- Swanson, Frank A., Chicago, Ill. Window-screen. No. 1,067,075; July 8; Gaz. vol. 192; p. 433.
- Swanson, Hjalmar A., Chicago, Ill. Engine-piston. No. 1,053,678; Feb. 18; Gaz. vol. 187; p. 704.
- Swanson, Hjalmar A., Clay Center, Nebr. Egg-tray. No. 1,063,080; May 27; Gaz. vol. 190; p. 967.
- Swanson, John A. (See Distelhorst, George A., assignor.)
- Swanson, John C., Buffalo, Minn. Sickle-drive for mowing-machines and harvesters. No. 1,082,659; Dec. 30; Gaz. vol. 197; p. 1065.
- Swanson, John C., C. A. Linden, and C. A. Carlson, Jamestown, N. Y. Electric welding-machine. No. 1,079,073; Nov. 18; Gaz. vol. 196; p. 696.
- Swanson, John V., Boston, Mass. Drawer-lock. No. 1,063,844; June 3; Gaz. vol. 191; p. 232.
- Swanson, Levi, New York, N. Y. Telephone-receiver casing. No. 1,067,561; July 15; Gaz. vol. 192; p. 636.
- Swanton, Harvey T., Rubicon, Wis. Fowl-decapitating device. No. 1,081,411; Dec. 16; Gaz. vol. 197; p. 581.
- Swanton, Hugh, Philadelphia, Pa., assignor to F. F. Douds, Canton, Ohio. Air-compressor for blowing organs. No. 1,058,491; Apr. 8; Gaz. vol. 189; p. 421.
- Swart, Philip F., Brockport, N. Y. Extension-ladder. No. 1,066,680; July 8; Gaz. vol. 192; p. 300.
- Swartleslander, Henry, Oil City, Pa. Oil-heater. No. 1,082,370; Dec. 23; Gaz. vol. 197; p. 935.
- Swarts, Harry J., *et al.* (See Corns, John L., assignor.)
- Swartwout, Denton K., Mayfield Heights, assignor to The Ohio Blower Company, Cleveland, Ohio. Ventilator. No. 1,059,010; Apr. 15; Gaz. vol. 189; p. 639.
- Swartz, Louis B. (See Rickman, Ulysses S., assignor.)
- Swedlund, Erick J., Williston, N. D. Gearing. No. 1,062,128; May 20; Gaz. vol. 190; p. 609.
- Sweeley, Edward H., Richmond Hill, N. Y. Boring-bar. No. 1,059,408; Apr. 22; Gaz. vol. 189; p. 811.
- Sweeley, Everett M., Twin Falls, Idaho. Shot-cartridge. No. 1,073,940; Sept. 23; Gaz. vol. 194; p. 875.
- Sweeney, Edward, Trenton, N. J. Toy. No. 1,062,129; May 20; Gaz. vol. 190; p. 610.
- Sweeney, James H. (See Rollings, Sweeney, Nelson, and Trentham.)
- Sweeney, John N., Bowling Green, Ky. Fruit-gatherer. No. 1,070,204; Aug. 12; Gaz. vol. 193; p. 413.
- Sweeney, Joseph, Middletown, Ohio. Book-umbrella. No. 1,080,025; Dec. 2; Gaz. vol. 197; p. 37.
- Sweeney, Josephus L., Franklin, Tenn. Wagon-bed. No. 1,074,535; Sept. 30; Gaz. vol. 194; p. 1099.
- Swaney, Robert D., Garniers, Fla. Power-transmission gearing. No. 1,058,921; Apr. 15; Gaz. vol. 189; p. 608.
- Sweeney, William J., South Chicago, Ill. Cover for sliding-pole holes. No. 1,069,740; Aug. 12; Gaz. vol. 193; p. 254.
- Sweet, Edward J., assignor of three-twelfths to W. T. Jaimeson, Tampa, two-twelfths to T. E. Bryan, and two-twelfths to Bonacker Brothers, Hillsboro county, Fla. Clutch. No. 1,065,635; June 24; Gaz. vol. 191; p. 942.
- Sweet, Henry N. (See Lee, John C., assignor.)
- Sweet, Homer E., Portland, Oreg., assignor to The Modern Manufacturing Company. Cutlery-grinder. (Reissue.) No. 13,628; Oct. 14; Gaz. vol. 195; p. 517.
- Sweet, Lon D. (See Johnston, Robert N., assignor.)
- Sweet, Richard W. (See Morris, James W., assignor.)
- Sweet, Thomas J. (See Wright and Finn, assignors.)
- Sweet, Welcome F. (See Smith, Martin P., assignor.)
- Sweet, Welcome F., St. Louis, Mo. Street-car advertising device. No. 1,053,934; Feb. 18; Gaz. vol. 187; p. 790.
- Sweet, Welcome F., St. Louis, Mo. Street-car advertising device. No. 1,065,320; June 17; Gaz. vol. 191; p. 797.
- Sweet, Welcome F., St. Louis, Mo., assignor to Eddleman's Never Fail Fish Hook and Animal Trap Company, Mineral Wells, Tex. Combined fish-hook and animal-trap. No. 1,072,672; Sept. 9; Gaz. vol. 194; p. 371.
- Sweet, William R., Wakefield, R. I. Combined hinge and lock. No. 1,049,941; Jan. 7; Gaz. vol. 186; p. 211.
- Sweeting, Harry W., Auburn, N. Y. Traffic and rear-end signal-lamp. No. 1,074,024; Sept. 23; Gaz. vol. 194; p. 902.
- Sweigart, H. W. (See Sweigart, Mary B., assignor.)
- Sweigart, Mary B., assignor of one-half to H. W. Sweigart, Lewistown, Pa. Collar-support. No. 1,062,746; May 27; Gaz. vol. 190; p. 856.
- Swem, Louis A., Bellingham, Wash. Spark-arrester. No. 1,065,985; July 1; Gaz. vol. 192; p. 29.
- Swenarton, Waitstill H., Montclair, N. J. Desiccated milk and making the same. No. 1,056,719; Mar. 18; Gaz. vol. 188; p. 769.
- Swender, Albert W., Carroll, Iowa. Chimney-cap. No. 1,060,512; Apr. 29; Gaz. vol. 189; p. 1228.
- Swenson, Carl E., Rockford, Ill. Valve for internal-combustion engines. No. 1,077,317; Nov. 4; Gaz. vol. 196; p. 27.
- Swett, William H., Berkeley, Cal. Projectile. No. 1,049,419; Jan. 7; Gaz. vol. 186; p. 34.
- Sweum, Benuri O., Hamar, N. D. Carpenter's square. No. 1,061,423; May 13; Gaz. vol. 190; p. 329.
- Swick, Wilbert L., Glenwood Springs, Colo. Flume. No. 1,061,424; May 13; Gaz. vol. 190; p. 330.
- Swift, Alvah B., Washington, Iowa. Windmill-coupling. No. 1,070,205; Aug. 12; Gaz. vol. 193; p. 414.
- Swift, Charles B., Centerville, Tenn. Tire-cooler. No. 1,069,300; Aug. 5; Gaz. vol. 193; p. 74.
- Swift, Charles E., Danville, Ill. Binder. No. 1,078,470; Nov. 11; Gaz. vol. 196; p. 455.
- Swift, Frederick W., Wappingers Falls, N. Y. Carrier. No. 1,074,992; Oct. 7; Gaz. vol. 195; p. 137.
- Swift, George W., Jr., Bordentown, N. J. Mechanism for making paper receptacles. No. 1,064,563; June 10; Gaz. vol. 191; p. 511.
- Swift, George W., Jr., Bordentown, N. J. Blank-feeding mechanism. No. 1,065,086; June 17; Gaz. vol. 191; p. 720.
- Swift, William F. (See Hartley, Bernard M., assignor.)
- Swift, Willis C., Coshocton, Ohio. Apparatus for making pipe-molds. No. 1,079,959; Dec. 2; Gaz. vol. 197; p. 12.
- Swigert, Fredrick B., Galesburg, Ill. Saw-filing machine. No. 1,072,788; Sept. 9; Gaz. vol. 194; p. 412.
- Swim, William A., Almena, Kans. Fence-post. No. 1,076,328; Oct. 21; Gaz. vol. 195; p. 653.
- Swinarski, Edward, assignor of two-fifths to W. Tuliowski, Buffalo, N. Y. Trolley. No. 1,059,011; Apr. 15; Gaz. vol. 189; p. 640.
- Swinburne, George W., East Orange, N. J., assignor to Sterilization Company. Method of purifying and sterilizing liquid. No. 1,079,377; Nov. 25; Gaz. vol. 196; p. 829.
- Swindell, Edward, Apalachicola, Fla. Cotton-picker. No. 1,080,127; Dec. 2; Gaz. vol. 197; p. 73.
- Swinehart Tire and Rubber Company, The. (See Edmonds, Charles A., assignor.)
- Swinford, Dwight, Clyde, Mo. Rotary hinged door. No. 1,065,406; June 24; Gaz. vol. 191; p. 864.
- Swing Rolling Truck Co. (See Westlake, Charles T., assignor.) (Reissue.)
- Swinglehurst, Harry, Collingswood, N. J., assignor to Scott & Williams, Inc., Boston, Mass. Dial-positioning mechanism for rib-knitting machines. No. 1,056,133; Mar. 18; Gaz. vol. 188; p. 568.
- Swinglehurst, Harry, Boston, Mass., assignor to Scott & Williams, Incorporated, Camden, N. J. Knitting-machine. No. 1,057,782; Apr. 1; Gaz. vol. 189; p. 132.
- Swinglehurst, Harry, Boston, Mass., assignor to Scott & Williams, Incorporated, Camden, N. J. Web receiver and take-up mechanism for knitting-machines. No. 1,061,024; May 6; Gaz. vol. 190; p. 162.
- Swinglehurst, Harry, Philadelphia, Pa., assignor, by mesne assignments, to Scott & Williams, Incorporated, Camden, N. J. Knitted fabric, hosiery made therefrom, and making same. No. 1,058,492; Apr. 8; Gaz. vol. 189; p. 421.
- Switzer, Edmund A., Lodi, Ohio. Cement-block machine. No. 1,077,376; Nov. 4; Gaz. vol. 196; p. 47.
- Swope, Maurice R., Alton, Ill. Priming composition and preparing the same. No. 1,073,941; Sept. 23; Gaz. vol. 194; p. 875.
- Sword, Charles D., Detroit, Mich. Shock-absorber. No. 1,049,620; Jan. 7; Gaz. vol. 186; p. 105.
- Sykes Steel Roofing Company. (See Rowley, James H., assignor.)
- Syler, John W., Hillyard, Wash. Fruit-grader. No. 1,072,192; Sept. 2; Gaz. vol. 194; p. 178.
- Sylvester, Charles, Fall River, Mass. Dobby. No. 1,062,864; May 27; Gaz. vol. 190; p. 895.
- Sylvester, Charles, assignor to W. C. Wetherell, Fall River, Mass. Machine for stringing tags. No. 1,066,163; July 1; Gaz. vol. 192; p. 91.
- Symes, George, Mason City, Iowa. Railway construction. No. 1,052,983; Feb. 11; Gaz. vol. 187; p. 421.
- Symes, J. B. (See Beasecker, Clarence H., assignor.)
- Symmes, Whitman, Virginia City, Nev. Agitating and mixing apparatus. No. 1,065,852; June 24; Gaz. vol. 191; p. 1015.
- Symmonds, Theophilus, Buffalo, N. Y. Current water-wheel. No. 1,077,318; Nov. 4; Gaz. vol. 196; p. 27.
- Symonds, Irene V., *et al.* (See Symonds, William H., assignor.)

Alphabetical list of patentees—Continued.

- Symonds, William H., Allendale, N. J., assignor of one-half to C. E. Brainard, New Rochelle, N. Y., and one-half to I. V. Symonds, Allendale, N. J. Actuating device for window sashes, shutters, and like movable parts. No. 1,077,768; Nov. 4; Gaz. vol. 196; p. 182.
- Symons Brothers Company. (See Symons, Josiah E., assignor.)
- Symons, Edgar B., Milwaukee, Wis. Crushing-machine. No. 1,069,496; Aug. 5; Gaz. vol. 193; p. 142.
- Symons, Edgar B., Milwaukee, Wis. Crushing-machine. No. 1,072,193; Sept. 2; Gaz. vol. 194; p. 179.
- Symons, Josiah E., Chicago, Ill. Crushing-machine. No. 1,058,114; Apr. 8; Gaz. vol. 189; p. 291.
- Symons, Josiah E., assignor to Symons Brothers Company, Milwaukee, Wis. Single-shaft disks. No. 1,083,229; Dec. 30; Gaz. vol. 197; p. 1256.
- Symons, Mansell. (See Best and Symons.)
- Symons, William H., San Diego, Cal. Proportional fluid-meter. No. 1,054,948; Mar. 4; Gaz. vol. 188; p. 99.
- Symons, Wilson E., Chicago, Ill. Automobile-fender. No. 1,051,030; Jan. 21; Gaz. vol. 186; p. 655.
- Symons, Wilson E., Chicago, Ill. Steel roof for freight-cars. No. 1,078,968; Nov. 18; Gaz. vol. 196; p. 657.
- Synck, Henry, assignor to New Idea Spreader Company, Coldwater, Ohio. Fertilizer distributor and beater. No. 1,053,547; Dec. 18; Gaz. vol. 187; p. 660.
- Synck, Henry, assignor to New Idea Spreader Company, Coldwater, Ohio. Beating-cylinder for manure-spreaders. No. 1,057,896; Apr. 1; Gaz. vol. 189; p. 171.
- Synnestvedt, Paul, Pittsburgh, Pa. Motor-vehicle. No. 1,064,259; June 10; Gaz. vol. 191; p. 408.
- Syp, Ed M., Riverside, Cal. Bed-cover retainer. No. 1,049,942; Jan. 7; Gaz. vol. 186; p. 211.
- Syracuse Chilled Plow Company. (See Lee, William H., assignor.)
- Syracuse Chilled Plow Company. (See Spire, Sheldon S., assignor.)
- Syracuse Chilled Plow Company. (See Wiard and Spire, assignors.)
- Syracuse Faucet & Valve Company, The. (See Woodworth, John B., assignor.)
- Syroth, Johann M., Lindenthal, near Leipzig, Germany. Tilting piece-magazine for automatic turret-machines. No. 1,049,777; Jan. 7; Gaz. vol. 186; p. 157.
- Syverson, Ole, Minot, N. D. Auxiliary car-step. No. 1,075,070; Oct. 7; Gaz. vol. 195; p. 167.
- Szabo, Ferencz, Magdalene, S. D. Vehicle-wheel. No. 1,070,077; Aug. 12; Gaz. vol. 193; p. 368.
- Szabados, Antony, and H. Mueller, New Michel, British Columbia, Canada. Indicating and alarm mechanism for the movements of gases in mines. No. 1,064,869; June 17; Gaz. vol. 191; p. 649.
- Szalay, John. (See Dandás, Julius, assignor.)
- Szuminski, Piotr, assignor of one-fourth to A. Strohan, Hamilton, Ontario, Canada. Railway. No. 1,071,111; Aug. 26; Gaz. vol. 193; p. 795.
- Szwargulski, Mikolaj, St. Louis, Mo. Trolley-guard. No. 1,073,303; Sept. 16; Gaz. vol. 194; p. 633.
- Szydowski, Paul, Boston, Mass. Shock-absorber. No. 1,051,288; Jan. 21; Gaz. vol. 186; p. 741.
- Szymański, George, Attalla, Ala. Combination ice and roller skate. No. 1,068,829; July 29; Gaz. vol. 192; p. 1145.
- Szymońska, Mary, Carlos, Tex. Cuspidor. No. 1,082,371; Dec. 23; Gaz. vol. 197; p. 935.
- T. C. Wheaton Co. (See Steelman, Lewis, assignor.)
- T. L. Smith Company. (See Brackenbury, Edward W., assignor.)
- T. L. Smith Company, The. (See Smith, Thomas L., assignor.)
- T. R. Almond Manufacturing Co. (See Hubbell, Henry S., assignor.)
- T. W. Snow Construction Company. (See Klohs, Sam F., assignor.)
- T. W. & C. B. Sheridan Company *et al.* (See Bredenberg, Alfred, assignor.)
- Taber Pump Co. (See Mitchell and Jones, assignors.)
- Tablet & Ticket Company, The. (See Spielmann, Adolph, assignor.)
- Tabor, Clinton D., New Dorp, N. Y., assignor to Tabor Sash Fixture Company, Newark, N. J. Sash-adjuster. No. 1,063,617; June 3; Gaz. vol. 191; p. 154.
- Tabor, James W., Sumpter, Oreg. Nut-lock. No. 1,062,514; May 20; Gaz. vol. 190; p. 738.
- Tabor Manufacturing Company, The. (See Lewis, Wilfred, assignor.)
- Tabor Manufacturing Company, The. (See Lewis and Ramsden, assignors.)
- Tabor Manufacturing Company, The. (See Ramsden, John T., assignor.)
- Tabor Manufacturing Company, The. (See Taylor, Frederick W., assignor.)
- Tabor Sash Fixture Company. (See Tabor, Clinton D., assignor.)
- Tacoma, Johannes. (See Vleeschouwer and Tacoma.)
- Tadini, Jerome F., New York, N. Y. Safety-lock. No. 1,065,636; June 24; Gaz. vol. 191; p. 943.
- Taenzer, Edward, Reading, Pa. Shoe. No. 1,052,529; Feb. 11; Gaz. vol. 187; p. 267.
- Tafe, Oscar L., Cleveland, Ohio. Door-fastener. No. 1,055,830; Mar. 11; Gaz. vol. 188; p. 432.
- Taff, Frank B., Whitestone Landing, N. Y. Propelling mechanism. No. 1,058,807; Apr. 15; Gaz. vol. 189; p. 566.
- Taff, Frederick N., assignor to Duane H. Nash Inc., Millington, N. J. Cultivator. No. 1,062,374; May 20; Gaz. vol. 190; p. 693.
- Taft, Ira B., Cedar Rapids, Iowa. Door spring and check. No. 1,073,545; Sept. 16; Gaz. vol. 194; p. 714.
- Taft, James M., Halfway, Mo. Hand-car. No. 1,076,717; Oct. 28; Gaz. vol. 195; p. 844.
- Taft, Joel W., Denver, Colo. Detachable spring-back for vehicle-seats. No. 1,064,181; June 10; Gaz. vol. 191; p. 382.
- Taft Machine Company. (See Gardner and Chase, assignors.)
- Taft, Samuel B., *et al.* (See Landry, Louis H., assignor.)
- Tagert, John W., Stamps, Ark. Car-brake. No. 1,069,907; Aug. 12; Gaz. vol. 193; p. 312.
- Taggart, George H., Buffalo, N. Y. Stop mechanism for phonographs. No. 1,080,386; Dec. 2; Gaz. vol. 197; p. 166.
- Taggart, John W., Sr. (See Mitchell and Taggart.)
- Taggart, Thomas O., Morristown, assignor of one-fourth to O. L. Stultz, Zionsville, Ind. Portable power-saw. No. 1,061,702; May 13; Gaz. vol. 190; p. 429.
- Tagliabue, Charles J. (See Nassauer, Joseph W., assignor.)
- Tagliabue, Charles J. (See Schneider, Ralph F., assignor.)
- Tagliamonte, Silverio, Somerville, Mass. Boat. No. 1,072,270; Sept. 2; Gaz. vol. 194; p. 203.
- Tague, James, Chicago, Ill. Micrometer-gage. No. 1,065,637; June 24; Gaz. vol. 191; p. 943.
- Tahara, Yoshizumi, Tokyo, Japan. Tetradotoxin and extracting the same. No. 1,058,643; Apr. 8; Gaz. vol. 189; p. 471.
- Tahl, Frederick J., Chicago, Ill. Button-shank. No. 1,056,070; Mar. 18; Gaz. vol. 188; p. 546.
- Taigman, Max, New York, N. Y. Brake for electric-motor-operated machines. No. 1,080,387; Dec. 2; Gaz. vol. 197; p. 167.
- Taigman, Max, New York, N. Y. Electric-motor driving unit. No. 1,080,388; Dec. 2; Gaz. vol. 197; p. 167.
- Tailor's Accessories Co., The. (See Long, Adam A., assignor.)
- Tainter, Jeremiah R., Menomonie, Wis. Dam. No. 1,082,291; Dec. 23; Gaz. vol. 197; p. 907.
- Tainter, Willis W. (See Freeman and Tainter.)
- Tainton, Uryln C., Manchester, and J. N. Pring, Sandbach, England. Electrodeposition and refining of zinc. No. 1,059,233; Apr. 15; Gaz. vol. 189; p. 715.
- Tait, Edgar W., Bradford, Pa. Making gasolene. No. 1,069,908; Aug. 12; Gaz. vol. 193; p. 312.
- Tait, Godfrey M. S., Washington, D. C. Grate. No. 1,078,071; Nov. 11; Gaz. vol. 196; p. 316.
- Tait, Godfrey M. S., Montclair, N. J., assignor to Interstate Investment Company, Washington, D. C. Apparatus for making gas from liquid fuel. No. 1,049,778; Jan. 7; Gaz. vol. 186; p. 157.
- Tait, Godfrey M. S., Montclair, N. J., assignor to Tait Producer Company, New York, N. Y. Test-burner. No. 1,058,702; Apr. 8; Gaz. vol. 189; p. 493.
- Tait, Godfrey M. S., Montclair, N. J., assignor to Tait Producer Company, New York, N. Y. Charging-hopper. No. 1,061,703; May 13; Gaz. vol. 190; p. 429.
- Tait Producer Company. (See Tait, Godfrey M. S., assignor.)
- Taitt, George R. (See Vogel and Taitt.)
- Takagi, Masayasu, Los Angeles, Cal. Bottle-filling machine. No. 1,069,354; Aug. 5; Gaz. vol. 193; p. 93.
- Takamine, Jokichi, New York, N. Y. Producing diastatic product. No. 1,054,324; Feb. 25; Gaz. vol. 187; p. 959.
- Takamine, Jokichi, New York, N. Y. Diastatic product. No. 1,054,626; Feb. 25; Gaz. vol. 187; p. 1063.
- Takenaga, Henry J., Seattle, Wash. Coupon-bottle. No. 1,057,296; Mar. 25; Gaz. vol. 188; p. 996.
- Takimoto, Roy M., Seattle, Wash. Permutation-padlock. No. 1,052,627; Feb. 11; Gaz. vol. 187; p. 300.
- Talbot, Daniel H., assignor to The American Box Ball Company, Indianapolis, Ind. Game apparatus. No. 1,069,909; Aug. 12; Gaz. vol. 193; p. 312.
- Talbot, Albert F., Christchurch, New Zealand. Braced step-ladder. No. 1,082,832; Dec. 30; Gaz. vol. 197; p. 1127.
- Talbot, Alfred, Rubicon, Mich. Window-screen. No. 1,054,255; Feb. 25; Gaz. vol. 187; p. 936.
- Talbot, Benjamin, Woodburn, Darlington, England. Treating steel ingots. No. 1,055,831; Mar. 11; Gaz. vol. 188; p. 432.
- Talbot, Benjamin, Woodburn, Darlington, England. Steel shape. No. 1,055,832; Mar. 11; Gaz. vol. 188; p. 433.
- Talbot, Benjamin, Woodburn, Darlington, England. Manufacture of steel shapes. No. 1,055,833; Mar. 11; Gaz. vol. 188; p. 433.
- Talbot, Cyrus G., and H. Cupples, Jr., Chicago, Ill. Window-cleaner. No. 1,054,053; Feb. 25; Gaz. vol. 187; p. 868.
- Talbot, Henry P., executor. (See Talbot, Zephaniah.)
- Talbot, Ivan F., assignor to E. O. Atwood, Boise, Idaho. Electric heater. No. 1,079,895; Nov. 25; Gaz. vol. 196; p. 1010.

Alphabetical list of patentees—Continued.

- Talbot, Zephaniah, deceased, Holliston, Mass.; H. P. Talbot, executor. Window-screen. No. 1,061,425; May 13; Gaz. vol. 190; p. 330.
- Talent, Harry, Prestwich, England. Leather packing. No. 1,073,181; Sept. 16; Gaz. vol. 194; p. 589.
- Talking Moving Picture Co., The. (See Mitchell, Richard S. M., assignor.)
- Tall, Peter E., Niobe, N. D. Revolving harrow. No. 1,051,172; Jan. 21; Gaz. vol. 186; p. 703.
- Tall, Peter E., Niobe, N. D. Conveyor apparatus. No. 1,065,282; June 17; Gaz. vol. 191; p. 784.
- Talley, Thurmon H., Crowell, Tex. Tailor's-goose attachment. No. 1,061,140; May 6; Gaz. vol. 190; p. 199.
- Tallmadge, Charles H., Chicago, Ill., assignor, by mesne assignments, to W. R. Heath, Buffalo, N. Y. Calculating-machine. No. 1,051,827; Jan. 28; Gaz. vol. 186; p. 954.
- Tallman, Horace M., Shelbyville, Ill. Sill-brace for baling-presses. No. 1,053,071; Feb. 11; Gaz. vol. 187; p. 451.
- Tamagno, Daniel B., assignor to L. Tamagno, New York, N. Y. Spout-closure for cans. No. 1,056,855; Mar. 25; Gaz. vol. 188; p. 844.
- Tamagno, Daniel B., assignor to L. Tamagno, New York, N. Y. Faucet-closure for cans. No. 1,075,611; Oct. 14; Gaz. vol. 195; p. 380.
- Tamagno, Lydia. (See Tamagno, Daniel B., assignor.)
- Tamassy, Zoltan, Cleveland, Ohio. Automatic speed-controlling means for engines. No. 1,066,235; July 1; Gaz. vol. 192; p. 119.
- Tamburini, Matteo, Paterson, N. J. Combination-lock. No. 1,076,171; Oct. 21; Gaz. vol. 195; p. 598.
- Tampier, René, Paris, France. Steering-gear for aeroplanes. No. 1,062,055; May 20; Gaz. vol. 190; p. 584.
- Tanabe, Hakulyo C., Marysville, Cal. Hog-trap. No. 1,055,953; Mar. 11; Gaz. vol. 188; p. 472.
- Tanabe, Hakulyo C., Marysville, Cal. Rail-joint. No. 1,062,515; May 20; Gaz. vol. 190; p. 738.
- Tanaka, Naokichi, Wilkinsburg, Pa. Apparatus for localizing the radiant point of electromagnetic waves. No. 1,069,355; Aug. 5; Gaz. vol. 193; p. 93.
- Tandy, John L., Kansas City, Mo. Cot or couch. No. 1,050,249; Jan. 14; Gaz. vol. 186; p. 349.
- Tandy, John L., Kansas City, Mo. Convertible furniture. No. 1,061,426; May 13; Gaz. vol. 190; p. 330.
- Tandy, John L., Kansas City, Mo. Spring-mattress. No. 1,073,877; Sept. 23; Gaz. vol. 194; p. 852.
- Tandy, John L., Kansas City, Mo. Wire-mattress fabric. No. 1,079,274; Nov. 18; Gaz. vol. 196; p. 762.
- Tangeman, Cornelius H., New York, N. Y. Rotary combustion-engine. No. 1,060,297; Apr. 29; Gaz. vol. 189; p. 1153.
- Tangeman, Cornelius H., New York, N. Y. Rotary combustion-engine. No. 1,061,025; May 6; Gaz. vol. 190; p. 162.
- Tangjerd, Peder, Eau Claire, Wis. Pocket communion set. No. 1,082,710; Dec. 30; Gaz. vol. 197; p. 1084.
- Tank, Ludwig. (See Hofmann, Coutelle, and Tank.)
- Tannenbaum, Robert, and P. Reichardt, Cincinnati, Ohio. Pressing-machine. No. 1,076,529; Oct. 21; Gaz. vol. 195; p. 724.
- Tannenberg, August O., Oakland, Cal. Combination step-ladder. No. 1,078,072; Nov. 11; Gaz. vol. 196; p. 317.
- Tanner, Albert E., and E. A. Claremont, Manchester, England. Alternating-current cable distributing system. No. 1,050,250; Jan. 14; Gaz. vol. 186; p. 349.
- Tanner, De Witt C., Short Hills, N. J., assignor to Western Electric Company, New York, N. Y. Coin-collector. No. 1,057,507; Apr. 1; Gaz. vol. 189; p. 38.
- Tanner, Frank G. (See Bigbie and Tanner.)
- Tapp, Elias C., Mouette, Ark. Stump-sawing machine. No. 1,067,076; July 8; Gaz. vol. 192; p. 434.
- Tapp, Ernest T. J. (See Crompton and Tapp.)
- Tappenden, William, and C. Schwarz, Hornell, N. Y. Bottle. No. 1,061,882; May 13; Gaz. vol. 190; p. 483.
- Taraud, Albert, and P. Truchot, Paris, France. Manufacture of sulfuric acid. No. 1,068,021; July 22; Gaz. vol. 192; p. 826.
- Tarbell, Frank L. (See Fisher, Milan H., assignor.)
- Tarbet, Charles R., Wellsville, Ohio. Device for delivering messages to moving trains. No. 1,054,472; Feb. 25; Gaz. vol. 187; p. 1012.
- Tarbox, Charles W., et al. (See Edman, John, assignor.)
- Tarbox, Samuel O. (See Dearborn, Richard J., assignor.)
- Tarcea, Gustavus, Litchfield, N. Y. Stanchion. No. 1,077,569; Nov. 4; Gaz. vol. 196; p. 115.
- Tardif, Xavier T., St. Agatha, Me. Machine for bending and punching eyes in hooks. No. 1,060,866; May 6; Gaz. vol. 190; p. 105.
- Tarjan, Andy. (See Puskás, Bálint, assignor.)
- Tarleton, George H., New York, N. Y. Flushing-tank. No. 1,079,615; Nov. 25; Gaz. vol. 196; p. 912.
- Tarleton, Thomas, Wembley Park, England. Holder for pencils, probes, needles, and the like. No. 1,051,524; Jan. 28; Gaz. vol. 186; p. 855.
- Tarrant, William P., Saratoga Springs, N. Y. Asphalt-pump. No. 1,054,722; Mar. 4; Gaz. vol. 188; p. 23.
- Tarrant, William P., Saratoga Springs, N. Y. Asphalt-paving-machine. No. 1,059,647; Apr. 22; Gaz. vol. 189; p. 891.
- Tarro, James, assignor of one-half to W. Walte, Cherry, Ill. Safety-catch for elevators. No. 1,064,027; June 10; Gaz. vol. 191; p. 328.
- Tartrais, Eugène H., Montmorency, France. Rotary-valve packing. No. 1,057,297; Mar. 25; Gaz. vol. 188; p. 997.
- Tartrais, Eugène H., Montmorency, France. Means for lubricating valves. No. 1,071,112; Aug. 26; Gaz. vol. 193; p. 795.
- Tas, Herman, London, England, assignor, by mesne assignments, to Automatic Free Directory Company of America, Dover, Del. Mechanism for displaying advertisements or other information. No. 1,059,784; Apr. 22; Gaz. vol. 189; p. 937.
- Tascano, Peter, et al. (See Genovese, Rosario, assignor.)
- Taschl, Viktor, Wessely-on-the-March, Austria-Hungary. Apparatus for agitating and conveying settled stiff masses, such as starch, clay, or the like. No. 1,057,685; Apr. 1; Gaz. vol. 189; p. 99.
- Tassey, Joe C., Nashville, Tenn. Tube-expander. No. 1,055,571; Mar. 11; Gaz. vol. 188; p. 343.
- Tassey, Joe C., Nashville, Tenn. Tool-stock-driving mechanism. No. 1,058,922; Apr. 15; Gaz. vol. 189; p. 608.
- Tate, Alfred O., Toronto, Ontario, Canada. Bifunctional storage-battery plate. No. 1,060,216; Apr. 29; Gaz. vol. 189; p. 1123.
- Tate, Frank C., et al. (See Cunningham, Edward R., assignor.)
- Tate, James A. (See Brown, Mark A., assignor.)
- Tate, James A., Monticello, Ark. Electric fly-killer. No. 1,062,516; May 20; Gaz. vol. 190; p. 739.
- Tate, Nannie M., Mocksville, N. C. Adjustable receptacle. No. 1,062,669; May 27; Gaz. vol. 190; p. 832.
- Tate, William O., Ashland, Oreg. Elbow-protector. No. 1,065,187; June 17; Gaz. vol. 191; p. 751.
- Tate, William T., Buxton, Iowa. Car-fender. No. 1,079,194; Nov. 18; Gaz. vol. 196; p. 738.
- Tatham, William, Woollahra, New South Wales, Australia. Means for automatically recording in the taximeter extra fares in taxicabs. No. 1,060,144; Apr. 29; Gaz. vol. 189; p. 1099.
- Tatman, Jesse, Hamersville, Ohio. Thill-loop holder. No. 1,055,369; Mar. 11; Gaz. vol. 188; p. 278.
- Tatro, Oliver, Attawaugan, Conn. Umbrella. No. 1,057,897; Apr. 1; Gaz. vol. 189; p. 172.
- Tattu, Radu, New York, N. Y. Joint. No. 1,055,100; Mar. 4; Gaz. vol. 188; p. 152.
- Tattu, Radu, New York, N. Y. Wave-motor. No. 1,071,533; Aug. 26; Gaz. vol. 193; p. 934.
- Tatum, Edward L., Shop Spring, Tenn. Hay-press. No. 1,073,304; Sept. 16; Gaz. vol. 194; p. 633.
- Tatum, George P., Coaling, Ala. Bolt-holding machine. No. 1,051,173; Jan. 21; Gaz. vol. 186; p. 703.
- Tatum, James W., Angier, N. C. Automatic vending-machine. No. 1,066,451; July 1; Gaz. vol. 192; p. 189.
- Tatum, James W., Angier, N. C., assignor of one-sixth to B. N. Duke, one-sixth to W. Fuller, New York, N. Y., one-sixth to E. J. Parrish, one-sixth to J. W. Smith, and one-sixth to R. B. Boone, Durham, N. C. Electric cab signaling system. No. 1,066,681; July 8; Gaz. vol. 192; p. 301.
- Tatum, John J., Baltimore, Md., assignor to P. H. Murphy, Pittsburgh, Pa. Car-roof. No. 1,052,102; Feb. 4; Gaz. vol. 187; p. 90.
- Tatum, Lewis L., assignor to The Cutler-Hammer Mfg. Co., Milwaukee, Wis. Means for controlling electromagnets and solenoids. No. 1,077,319; Nov. 4; Gaz. vol. 196; p. 28.
- Tatum, Smiley M., et al. (See Wells, Elisha F., assignor.)
- Taub, Ludwig. (See Hiemenz and Taub.)
- Taub, Ludwig, assignor to Farbenfabriken vorm. Friedr. Bayer & Co., Elberfeld, Germany. Pharmaceutical product. No. 1,073,942; Sept. 23; Gaz. vol. 194; p. 875.
- Tauleigne, Auguste J. B., Pontigny, and E. Mazo, Paris, France. Photography in colors. No. 1,059,917; Apr. 22; Gaz. vol. 189; p. 978.
- Taunton Knitting Company. (See Rickert, Fred C., assignor.)
- Taurman, Chastian, Cincinnati, Ohio. Motor fire-engine. No. 1,071,275; Aug. 26; Gaz. vol. 193; p. 849.
- Taussig, Maurice, Chicago, Ill. Shoe-salesman's stool. No. 1,049,779; Jan. 7; Gaz. vol. 186; p. 158.
- Tawney, Clark L., Barberton, Ohio. Poultry-feeder. No. 1,078,646; Nov. 18; Gaz. vol. 196; p. 545.
- Taylor, Abram, Eltopia, Wash. Weed-cutter. No. 1,054,256; Feb. 25; Gaz. vol. 187; p. 937.
- Taylor, Adam M., Hancock, Md. Anticreeping rail. No. 1,049,780; Jan. 7; Gaz. vol. 186; p. 158.
- Taylor, Adele W., assignor of one-half to L. M. Schmidt, New Britain, Conn. Garment cast-off. No. 1,065,087; June 17; Gaz. vol. 191; p. 721.
- Taylor, Agnes P. (See Taylor, Clarence W., assignor.)
- Taylor, Aiken C., assignor to Extension Step-Ladder and Specialty Co., Inc., Richmond, Va. Extension step-ladder. No. 1,064,693; June 10; Gaz. vol. 191; p. 556.
- Taylor, Albert H., Easton, Pa., assignor to Ingersoll-Rand Company, New York, N. Y. Pneumatic tool. No. 1,068,711; July 29; Gaz. vol. 192; p. 1102.

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- Taylor, Albert H., Easton, Pa., assignor to Ingersoll-Rand Company, New York, N. Y. Hammer-drill. No. 1,081,637; Dec. 16; Gaz. vol. 197; p. 654.
- Taylor, Albertis C. (See Winfield and Taylor.)
- Taylor, Albertis C., assignor to The Winfield Manufacturing Company, Warren, Ohio. Water-cooled welding-electrode for electric spot-welding machines. No. 1,058,677; Apr. 8; Gaz. vol. 189; p. 484.
- Taylor, Albertis C., assignor to The National Electric Welder Company, Warren, Ohio. Electric welding-machine. No. 1,066,682; July 8; Gaz. vol. 192; p. 301.
- Taylor, Alexander, New York, N. Y. Dry carton. No. 1,050,706; Jan. 14; Gaz. vol. 186; p. 505.
- Taylor, Asa J., Jr., Glencoe, Ill. Mail deliverer and receiver. No. 1,067,077; July 8; Gaz. vol. 192; p. 434.
- Taylor Brothers Churn and Manufacturing Company. (See Zimmer, John H., assignor.)
- Taylor, Carl R., Columbus, Ohio. Corn-popper. No. 1,050,180; Jan. 14; Gaz. vol. 186; p. 326.
- Taylor, Cecil H., Detroit, Mich. Automatic controller for explosion-motor-driven mechanism. No. 1,068,945; July 29; Gaz. vol. 192; p. 1186.
- Taylor, Cecil H., and H. E. Coffin, assignors, by mesne assignments, to Reynolds Motor Company, Detroit, Mich. Rotary valve for explosion-engines. No. 1,052,530; Feb. 11; Gaz. vol. 187; p. 267.
- Taylor, Charles C., *et al.* (See Lake, John L., assignor.)
- Taylor, Charles J., Cicero, Ill. Type-proofing gage. No. 1,076,847; Oct. 28; Gaz. vol. 195; p. 889.
- Taylor, Charles L., San Francisco, Cal. Checkrein-lock. No. 1,083,155; Dec. 30; Gaz. vol. 197; p. 1233.
- Taylor, Charles S., and E. W. Jackson, Springfield, Mass. Fire-extinguisher. No. 1,069,301; Aug. 5; Gaz. vol. 193; p. 74.
- Taylor, Charles W., Los Angeles, Cal. Line-retriever. No. 1,062,202; May 20; Gaz. vol. 190; p. 635.
- Taylor, Charles W., Los Angeles, Cal. Scaling device. No. 1,069,088; July 29; Gaz. vol. 192; p. 1234.
- Taylor, Chester, Paso Robles, Cal. Auxiliary spring or broken-spring repairer. No. 1,053,241; Feb. 18; Gaz. vol. 187; p. 553.
- Taylor, Clara M. (See Easterfield and Taylor.)
- Taylor, Clarence M., Loyal, Wis. Stage-footlighting. No. 1,079,195; Nov. 18; Gaz. vol. 196; p. 738.
- Taylor, Clarence W., assignor to A. P. Taylor, Chicago, Ill. Power-transmission mechanism. No. 1,057,466; Apr. 1; Gaz. vol. 189; p. 23.
- Taylor, Clarence W., assignor to A. P. Taylor, Chicago, Ill. Power-transmission mechanism. No. 1,062,934; May 27; Gaz. vol. 190; p. 919.
- Taylor, Clarence W., Oak Park, assignor to F. M. Lewis, Chicago, Ill. Power-transmission mechanism. No. 1,067,078; July 8; Gaz. vol. 192; p. 434.
- Taylor, Daniel H., Tercio, Colo. Hose-coupling. No. 1,051,174; Jan. 21; Gaz. vol. 186; p. 704.
- Taylor, Daniel J., and W. R. Pruitt, Tallahassee, Ala. Automatic railway-signal. No. 1,064,396; June 10; Gaz. vol. 191; p. 455.
- Taylor, David T., and F. Barker, Davilla, Tex. Attachment for harrows. No. 1,055,498; Mar. 11; Gaz. vol. 188; p. 321.
- Taylor, David W., U. S. Navy. Screw-propeller. No. 1,068,946; July 29; Gaz. vol. 192; p. 1186.
- Taylor, Elbert L., Alexandria, Ohio. Corn-shock loader. No. 1,066,457; July 1; Gaz. vol. 192; p. 192.
- Taylor, Elmer Z., London, England, assignor to American Mono Service Company, Atlantic City, N. J. Paper receptacle. No. 1,064,787; June 17; Gaz. vol. 191; p. 623.
- Taylor, Ernest W., assignor to The Brown Hoisting Machinery Company, Cleveland, Ohio. Device for handling freight. No. 1,056,231; Mar. 18; Gaz. vol. 188; p. 601.
- Taylor, Eugene H., Hyde Park, Mass. Paper-box machine. No. 1,079,275; Nov. 18; Gaz. vol. 196; p. 763.
- Taylor, Eugene H., Hyde Park, Mass. Corner-staying machine for paper boxes. No. 1,079,616; Nov. 25; Gaz. vol. 196; p. 912.
- Taylor, F. L., *et al.* (See Lee, Gregory A., assignor.)
- Taylor, Frederick W., assignor, by mesne assignments, to The Tabor Manufacturing Company, Philadelphia, Pa. Molding-machine. No. 1,057,594; Apr. 1; Gaz. vol. 189; p. 67.
- Taylor, George A., Lynn, Mass. Tool-holder. No. 1,083,230; Dec. 30; Gaz. vol. 197; p. 1256.
- Taylor, George B., Birmingham, England. Gripping-surface of chuck-jaws. No. 1,059,234; Apr. 15; Gaz. vol. 189; p. 715.
- Taylor, George H., Richmond, Va. Index-tag. No. 1,069,828; Aug. 12; Gaz. vol. 193; p. 285.
- Taylor, George H., Richmond, Va. Halter-lock. No. 1,071,824; Sept. 2; Gaz. vol. 194; p. 54.
- Taylor, George P., Clinton, Mass. Multiple-drill holder. No. 1,074,025; Sept. 23; Gaz. vol. 194; p. 903.
- Taylor, Halsey W., Warren, Ohio. Drinking attachment. No. 1,069,910; Aug. 12; Gaz. vol. 193; p. 313.
- Taylor, Harold B., Wilkinsburg, Pa., assignor to Westinghouse Electric and Manufacturing Company. Electrical heater element and making the same. No. 1,075,517; Oct. 14; Gaz. vol. 195; p. 348.
- Taylor, Harold B., Wilkinsburg, Pa., assignor to Westinghouse Electric and Manufacturing Company. Motor-reversing means. No. 1,080,026; Dec. 2; Gaz. vol. 197; p. 37.
- Taylor, Harry, Hamilton, Ontario, assignor to H. W. Burritt, Toronto, Canada. Boat-propeller. No. 1,067,385; July 15; Gaz. vol. 192; p. 577.
- Taylor, Henry J., Boston, Mass. Combination ruler and blotter. No. 1,078,969; Nov. 18; Gaz. vol. 196; p. 657.
- Taylor, Herbert B., assignor to Federal Signal Company, Albany, N. Y. System for electrically controlling and operating railway-traffic-controlling devices. No. 1,077,895; Nov. 4; Gaz. vol. 196; p. 224.
- Taylor, Howard M. (See Deardorff, George A., assignor.)
- Taylor, Huston, Rochester, N. Y. Vacuum-producing device. No. 1,082,568; Dec. 30; Gaz. vol. 197; p. 1034.
- Taylor, Huston, Pittsford, N. Y., and J. H. Taylor, Chicago, Ill., assignors, by mesne assignments, to H. N. Carpenter. Pen-filling device. No. 1,082,711; Dec. 30; Gaz. vol. 197; p. 1085.
- Taylor Instrument Companies. (See Hodgkinson, Edwin, assignor.)
- Taylor Iron & Steel Company. (See Chrystie and Chapman, assignors.)
- Taylor Iron & Steel Company. (See Fish, Samuel W., assignor.)
- Taylor, James H. (See Taylor, Huston and J. H.)
- Taylor, James H., Howell, Tenn. Overcheck-rein. No. 1,054,369; Feb. 25; Gaz. vol. 187; p. 976.
- Taylor, James H., Chicago, Ill. Pipe-coupling. No. 1,078,009; Nov. 11; Gaz. vol. 196; p. 295.
- Taylor, James H., assignor of one-half to H. J. Carroll, Pawtucket, R. I. Horseshoe-calk. No. 1,054,054; Feb. 25; Gaz. vol. 187; p. 868.
- Taylor, James H. and J. B., Toledo, Ohio. Mop-wringer. No. 1,079,454; Nov. 25; Gaz. vol. 196; p. 855.
- Taylor, James M., San Francisco, Cal. Container-forming machine. No. 1,077,496; Nov. 4; Gaz. vol. 196; p. 91.
- Taylor, John, and B. Rodek, New York, N. Y. Centrifugal machine. No. 1,067,887; July 22; Gaz. vol. 192; p. 781.
- Taylor, John, and F. C. Stephens, Lansing, Mich. Stringed musical instrument. No. 1,069,987; Aug. 12; Gaz. vol. 193; p. 338.
- Taylor, John A., assignor of one-half to J. H. Carpenter, Picabo, Idaho. Recoil-operated firearm. No. 1,078,224; Nov. 11; Gaz. vol. 196; p. 369.
- Taylor, John D., Edgewood Park, assignor to The Union Switch & Signal Company, Swissvale, Pa. Electric signaling system. (Reissue.) No. 13,663; Dec. 23; Gaz. vol. 197; p. 973.
- Taylor, John E. and T. G., St. Louis, Mo. Barrel-churn. No. 1,070,078; Aug. 12; Gaz. vol. 193; p. 368.
- Taylor, John W., Granite City, Ill., assignor to Double Body Bolster Company, St. Louis, Mo. Car construction. No. 1,049,621; Jan. 7; Gaz. vol. 186; p. 105.
- Taylor, Joseph Q., Taunton, and C. T. Eaton, Somerville, Mass. Non-refillable bottle. No. 1,062,517; May 20; Gaz. vol. 190; p. 739.
- Taylor, Julius B. (See Taylor, James H. and J. B.)
- Taylor, Milt, *et al.* (See Thomas, Martin E., assignor.)
- Taylor, Perry E., Schoharie, N. Y. Stenographic-book holder. No. 1,082,979; Dec. 30; Gaz. vol. 197; p. 1177.
- Taylor, Ralph G., Davenport, assignor, by mesne assignments, to The Bettendorf Company, Bettendorf, Iowa. Draft-rigging for railway-cars. No. 1,068,187; July 22; Gaz. vol. 192; p. 881.
- Taylor, Robert K., assignor to G. S. Field, Detroit, Mich. Liner for pneumatic tires. No. 1,068,022; July 22; Gaz. vol. 192; p. 826.
- Taylor, Robert W., and R. E. Frobenius, Kalamazoo, Mich. Oven rack or broiler. No. 1,066,552; July 8; Gaz. vol. 192; p. 255.
- Taylor, S. J., *et al.* (See Lee, Gregory A., assignor.)
- Taylor, Thomas B., New York, N. Y. Propelling means for vessels. No. 1,065,479; June 24; Gaz. vol. 191; p. 889.
- Taylor, Thomas G. (See Taylor, John E. and T. G.)
- Taylor, Thomas K., Wesleyville, Pa. Towel-rack. No. 1,052,292; Feb. 4; Gaz. vol. 187; p. 154.
- Taylor, Walter H., Port Arthur, Ontario, Canada. Umbrella. No. 1,066,061; July 1; Gaz. vol. 192; p. 55.
- Taylor, Warren H., assignor to The Yale & Towne Manufacturing Company, Stamford, Conn. Spindle for burglar-proof safe or vault doors. No. 1,053,753; Feb. 18; Gaz. vol. 187; p. 731.
- Taylor, William, assignor of one-half to W. G. Hollinworth, London, England. Stud, solitaire, or the like. No. 1,067,155; July 8; Gaz. vol. 192; p. 462.
- Taylor, William E., Eastport, Me., assignor to American Can Company, New York, N. Y. Solder-fusing machine. No. 1,051,647; Jan. 28; Gaz. vol. 186; p. 896.
- Taylor, William E., Eastport, Me., assignor to American Can Company, New York, N. Y. Sardine-can. No. 1,055,429; Mar. 11; Gaz. vol. 188; p. 298.
- Taylor, William E., Eastport, Me., assignor to American Can Company, New York, N. Y. Sardine-can. No. 1,065,986; July 1; Gaz. vol. 192; p. 29.
- Taylor, William E., Eastport, Me., assignor to American Can Company, New York, N. Y. Sardine-can. No. 1,072,789; Sept. 9; Gaz. vol. 194; p. 412.

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- Taylor, William L. (See Dinkins and Hays, assignors.)
- Taylor, William O. (See Foster, William H., assignor.)
- Taylor-Wilson Manufacturing Company. (See Benning-
hoff, William G., assignor.)
- Teachout, Vern B., Detroit, Mich. Alarm device. No.
1,060,379; Apr. 29; Gaz. vol. 189; p. 1182.
- Teague, Benjamin H., Philadelphia, Pa. Drill-support.
No. 1,052,767; Feb. 11; Gaz. vol. 187; p. 346.
- Teague, Dilmus E., *et al.* (See Dippel, Charles E., as-
signor.)
- Teal, Benjamin F., deceased, Glenside, Pa.; E. R. Teal,
executrix. Automatic temperature-regulator. No.
1,067,627; July 15; Gaz. vol. 192; p. 659.
- Teal, Ella R., executrix. (See Teal, Benjamin F.)
- Teale, Benjamin E., Brooklyn, N. Y. Cigarette. No.
1,054,055; Feb. 25; Gaz. vol. 187; p. 868.
- Tebbetts, Charles F., assignor to Frank Ridlon Company,
Boston, Mass. Fluid-tight joint for rotary valve-stems.
No. 1,054,149; Feb. 25; Gaz. vol. 187; p. 900.
- Tebbetts, Lewis B., 2d, St. Louis, Mo. Composite metal
article. No. 1,079,035; Nov. 18; Gaz. vol. 196; p. 683.
- Tebyrigã, Mario W., Sao Paulo, Brazil. Separating-ma-
chine. No. 1,061,141; May 6; Gaz. vol. 190; p. 199.
- Tebyrigã, Mario W., São Paulo, Brazil. Railway tie and
bed. No. 1,066,767; July 8; Gaz. vol. 192; p. 332.
- Technical Development Co. (See Davis, John T., as-
signor.)
- Technology Sales Co. (See De Neergaard, Lewis E., as-
signor.)
- Tecklenburg, Carl, Dessau, Germany. Explosion-motor.
No. 1,064,109; June 10; Gaz. vol. 191; p. 356.
- Tedford, Joshua. (See Lytton and Tedford.)
- Teegarden, Levi, Knapp, Wis. Stake-holder. No.
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- Teehan, John F., Brockton, Mass. Button-clip. No.
1,060,217; Apr. 29; Gaz. vol. 189; p. 1123.
- Teehan, Michiel, Philadelphia, Pa. Vacuum carpet-
cleaner. No. 1,050,498; Jan. 14; Gaz. vol. 186;
p. 438.
- Teel, Richard C., Goodwater, Ala. Cotton-picker. No.
1,067,691; July 15; Gaz. vol. 192; p. 682.
- Teeter, William B., Meridian, Idaho. Trap. No. 1,049,781;
Jan. 7; Gaz. vol. 186; p. 158.
- Tegelbeckers, Otto, and R. Eslinger, assignors of one-third
to J. H. Miller, Tampa, Fla. Nut-lock. No. 1,066,339;
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- Tegtmeyer, Hermann, Wennigsen, Germany. Wood planing
and dressing machine. No. 1,064,870; June 17; Gaz.
vol. 191; p. 650.
- Teichmann, Albert, Zeitz, Germany. Recovering graphite
from worn-out crucibles. No. 1,080,085; Dec. 2; Gaz.
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- Tekippe, William J., New Hampton, Iowa. Life-boat.
No. 1,078,471; Nov. 11; Gaz. vol. 196; p. 455.
- Tela, David E., Spokane, Wash. Adjustable gage for sew-
ing-machines. No. 1,053,548; Feb. 18; Gaz. vol. 187;
p. 660.
- Tela, David E., Los Angeles, Cal. Sewing-machine attach-
ment. No. 1,053,679; Feb. 18; Gaz. vol. 187; p. 704.
- Teleelectric Company, The. (See Reed, Walter C., as-
signor.)
- Telephone Booth Renting and Sales Co. (See Walsh,
Eugene W., assignor.)
- Telepost Company. (See Delany, Patrick B., assignor.)
- Telfair, Eugene A., Batavia, N. Y., assignor to W. C.
Ritchie & Company, Chicago, Ill. Pasteboard-box ma-
chine. No. 1,054,473; Feb. 25; Gaz. vol. 187; p. 1012.
- Telle, Edwin, New Orleans, La. Manufacturing dental
plates. No. 1,083,156; Dec. 30; Gaz. vol. 197; p. 1233.
- Tellier, Charles, Paris, France. Desiccating. No.
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- Tellier, Jérémie, assignor of one-half to D. Poirier, New
Bedford, Mass. Dobby for looms. No. 1,052,768; Feb.
11; Gaz. vol. 187; p. 346.
- Tempest, Charles A., Hazzard, Pa. Car-wheel lubricator.
No. 1,050,576; Jan. 14; Gaz. vol. 186; p. 464.
- Temple, David L., Chicago, Ill., and C. L. Goodrum, At-
lantic City, N. J., assignors, by mesne assignments, to
American Electric Company. Telephone system. No.
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- Temple, Jesse C., Sallis, Miss. Wire-stretcher. No.
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- Temple, Winfield S., Sidney, Ill. Resilient tire. No.
1,067,949; July 22; Gaz. vol. 192; p. 801.
- Templeton, Eva R. (See Hitchcock, Forrest L., assignor.)
- Templeton, Walter B., Chicago, Ill. Metal sheet-piling.
No. 1,078,970; Nov. 18; Gaz. vol. 196; p. 658.
- Templeton, William G., Colorado Springs, Colo. Dis-
pensing-bin. No. 1,054,804; Mar. 4; Gaz. vol. 188;
p. 52.
- Templin, Joseph H., Philadelphia, Pa. Suction-cleaner.
No. 1,079,378; Nov. 25; Gaz. vol. 196; p. 829.
- Templin, Joseph H., Philadelphia, Pa. Discharging de-
vice for vacuum-cleaners. No. 1,080,789; Dec. 9; Gaz.
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- Templin, William, Glenellyn, Ill. Means for fastening
books to stands. No. 1,077,896; Nov. 4; Gaz. vol. 196;
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- Ten Eyck, Frank E., Boston, Mass. Air-pump. No.
1,075,674; Oct. 14; Gaz. vol. 195; p. 401.
- Tennie, George, Chicago, Ill. Sign-fastening. No.
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- Tennis, Charles C., *et al.* (See Jenkins, Samuel M., as-
signor.)
- Tennis, Marshall F., *et al.* (See Jenkins, Samuel M., as-
signor.)
- Tenny, Henry, Hamlin, N. Y. Buckle attachment. No.
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- Tenny, John W., assignor of one-half to R. A. Pierson,
Ponchatoula, La. Dental drill-holding device. No.
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- Tenow, Adolf J., and C. E. Anderson, assignors to J. & C. G.
Bolinders Mekaniska Verkstads Aktiebolag, Stockholm,
Sweden. Sawing-machine. No. 1,059,235; Apr. 15;
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- Tepel, Herman A., Jeffersonville, Ind. Make-and-break
mechanism. No. 1,074,071; Sept. 23; Gaz. vol. 194;
p. 918.
- Tépins, Alexandre, Paris, France. Electric firearm. No.
1,076,530; Oct. 21; Gaz. vol. 195; p. 725.
- Teppert, Joseph, Buffalo, N. Y. Brace for vehicle-tops.
No. 1,059,504; Apr. 22; Gaz. vol. 189; p. 845.
- Terashima, Noboru, Shinnakadori, Japan. Matting. No.
1,049,943; Jan. 7; Gaz. vol. 186; p. 211.
- Terashima, Noboru, Shinnakadori, Japan. Shuttle. No.
1,081,169; Dec. 9; Gaz. vol. 197; p. 461.
- Teresa, Antonio, San Luis Potosi, Mexico, assignor of one-
fourth to E. H. Haskell, Newton Center, Mass., and
R. Dawes, Frankford, Philadelphia, Pa. Depulping-
machine. No. 1,079,196; Nov. 18; Gaz. vol. 196; p. 739.
- Terhune, Howard, Hartford, Conn. Drop-hammer. No.
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- Terpezone Company, The. (See Hopkins, Nevil M., as-
signor.)
- Terrell, Clyde R., assignor to Terrell Manufacturing Com-
pany, Montesano, Wash. Puncture-repair plug. No.
1,071,595; Aug. 26; Gaz. vol. 193; p. 955.
- Terrell Manufacturing Company. (See Terrell, Clyde R.,
assignor.)
- Terril, Amos B., and M. Canning, Denver, Colo. Beef-
jack. No. 1,051,780; Jan. 28; Gaz. vol. 186; p. 938.
- Terry, Alfred E., Redditch, England. Device for detach-
ably securing articles in position. No. 1,064,788; June
17; Gaz. vol. 191; p. 623.
- Terry, Carleton L., *et al.* (See Bergens, William J., as-
signor.)
- Terry, Frank T., Milwaukee, Wis. Tobacco-spearing ma-
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- Terry, Frederick H. (See Bigwood and Terry.)
- Terry, Helen H., Southampton, N. Y. Combined work-bag
and reticule. No. 1,081,788; Dec. 16; Gaz. vol. 197;
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- Terry, Henry M., Seattle, Wash. Convertible bed. No.
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- Terry, James W., San Antonio, Tex. Stamping-machine.
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- Terry, Louis K., Cooks, N. Mex. Hanger for miners'
lamps. No. 1,082,779; Dec. 30; Gaz. vol. 197; p. 1110.
- Terry, Mosley J., Houston, Tex. Guide device for ironing-
machines. No. 1,058,494; Apr. 8; Gaz. vol. 189; p. 422.
- Terry, Otis N., University Place, Nebr. Spark-arrester.
No. 1,071,369; Aug. 26; Gaz. vol. 193; p. 881.
- Terry Steam Turbine Company, The. (See London,
William J. A., assignor.)
- Terry, Thomas. (See Maher and Terry.)
- Terry, William F. (See Miller, Theodore F., assignor.)
- Terryberry, Edward M., Philadelphia, Pa. Reed. No.
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- Tesdal, Thomas, Portland, Oreg. Life-boat. No. 1,051,781;
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- Tesh, Harry B., Pittsburgh, Pa. Valve-protecting device.
No. 1,076,465; Oct. 21; Gaz. vol. 195; p. 702.
- Tesla, Nikola, New York, N. Y. Fluid propulsion. No.
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- Tesla, Nikola, New York, N. Y. Turbine. No. 1,061,206;
May 6; Gaz. vol. 190; p. 221.
- Tesreau, Robert E., and L. F. Sundman, Doe Run, Mo.
Metal fence-post. No. 1,049,549; Jan. 7; Gaz. vol. 186;
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- Tess, Bernard. (See Kingsland, Le Roy K., assignor.)
- Tesseyman, John E. (See Irwin and Tesseyman.)
- Tessier, Julien, assignor to Lubin Manufacturing Com-
pany, Philadelphia, Pa. Tripod-head. No. 1,082,053;
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- Teste, Etienne, Paris, France. Horn for motor-cars, motor-
cycles, and cycles. No. 1,062,518; May 20; Gaz. vol.
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- Teter, Charles K., and D. A. Davies, assignors to The
Teter Manufacturing Company, Cleveland, Ohio. Ap-
paratus for heating nitrous-oxid-administering appli-
ances. No. 1,082,482; Dec. 23; Gaz. vol. 197; p. 969.
- Teter Manufacturing Company, The. (See Teter and
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- Teters, John R., Sunnyside, Cal. Swimming appliance.
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- Tetschner, Otto, Burwell, Nebr. Reversible egg-tray for incubators. No. 1,071,534; Aug. 26; Gaz. vol. 193; p. 935.
- Teufer, Bernhard, Chemnitz, Germany. Apparatus for dyeing thread and like material. No. 1,074,390; Sept. 30; Gaz. vol. 194; p. 1053.
- Teuscher, Edward C., St. Louis, Mo. Explosive toy. No. 1,057,596; Apr. 1; Gaz. vol. 189; p. 68.
- Teuton, Henry C., Adamsville, Tenn. Wrench. No. 1,065,480; June 24; Gaz. vol. 191; p. 890.
- Tevander, Olof N., assignor of one-half to A. Manierre, Chicago, Ill. Band-making machine. No. 1,078,707; Nov. 18; Gaz. vol. 196; p. 568.
- Tevander, Olof N., and A. Manierre, Chicago, Ill. Apparatus for modifying the size of fastening elements. No. 1,078,705; Nov. 18; Gaz. vol. 196; p. 567.
- Tevander, Olof N., and A. Manierre, Chicago, Ill. Machine for applying closures to receptacles. No. 1,078,706; Nov. 18; Gaz. vol. 196; p. 567.
- Tevander, Swan, Maywood, Ill., assignor to American Can Company, New York, N. Y. Machine for attaching bail-ears to sheet-metal pails or vessels. No. 1,072,790; Sept. 9; Gaz. vol. 194; p. 412.
- Teves, Frederick E. (See Purdy, James M., assignor.)
- Tevis, William S., Jr., San Francisco, Cal. Bridle-bit. No. 1,062,747; May 27; Gaz. vol. 190; p. 856.
- Tewes, William A., Jersey City, N. J., assignor to Peters Cartridge Company, Cincinnati, Ohio. Bullet. No. 1,072,880; Sept. 9; Gaz. vol. 194; p. 446.
- Tewksbury, Russell B., assignor to The Oster Manufacturing Company, Cleveland, Ohio. Thread-cutting tool. No. 1,052,769; Feb. 11; Gaz. vol. 187; p. 347.
- Tewksbury, Russell B., assignor to The Oster Manufacturing Company, Cleveland, Ohio. Die-stock. No. 1,082,292; Dec. 23; Gaz. vol. 197; p. 908.
- Tewksbury, Russell B., and H. W. Oster, assignors to The Oster Manufacturing Company, Cleveland, Ohio. Die-stock. No. 1,082,282; Dec. 23; Gaz. vol. 197; p. 904.
- Texarkana Pipe Company. (See Payne and Moore, assignors.)
- Texas Delinter Company. (See Mullen, Joseph D., assignor.)
- Texas Steel Tie Company, The. (See Grant, James K., assignor.)
- Texin, Reubin. (See Yolin and Texin.)
- Textile Machine Works. (See Janssen and Zwicky, assignors.)
- Thackaberry, Forrest G., Tampico, Ill. Inductance-coil. No. 1,080,605; Dec. 9; Gaz. vol. 197; p. 270.
- Thacker, Warren P. (See Marley, Thacker, and Barnard.)
- Thallmayer, Ludwig, Zürich, assignor to Aktiengesellschaft Brown Boveri & Cie., Baden, Switzerland. Fly-wheel compensating system. No. 1,051,782; Jan. 28; Gaz. vol. 186; p. 938.
- Thallner, Otto, Remscheid, assignor to Elektrostahl G. m. b. H., Remscheid-Hasten, Germany. Improving the quality of malleable iron and steel. No. 1,053,454; Feb. 18; Gaz. vol. 187; p. 627.
- Tharp, C. B. (See Blevins, Christopher D., assignor.)
- Thatcher, Frank, El Paso, Tex. Apparatus for extracting wax from plants. No. 1,056,378; Mar. 18; Gaz. vol. 188; p. 649.
- Thatcher, Frank G., Marion, Ohio. Nut-lock. No. 1,057,298; Mar. 25; Gaz. vol. 188; p. 997.
- Thatcher, James C., Cleveland, Ohio. Railway-tie and fastening device. No. 1,058,495; Apr. 8; Gaz. vol. 189; p. 422.
- Thatcher-Reuter Manufacturing Company, The. (See McKillop, Samuel W., assignor.)
- Thau, William G., assignor of one-half to C. Hermann, Chicago, Ill. Bar-fixture. No. 1,071,114; Aug. 26; Gaz. vol. 193; p. 796.
- Thauss, Alfred, assignor to Farbenfabriken vorm. Friedr. Bayer & Co., Elberfeld, Germany. Blue sulfur dye. No. 1,081,638; Dec. 16; Gaz. vol. 197; p. 654.
- Thayer, Bert. (See O'Boyle, O'Brien, Ryan, and Thayer.)
- Thayer, Clark F., assignor to H. N. Thayer Company, Erie, Pa. Baby-carriage. No. 1,053,455; Feb. 18; Gaz. vol. 187; p. 628.
- Thayer, Dexter J., Pittsburgh, Pa. Cushion-tire. No. 1,051,465; Jan. 28; Gaz. vol. 186; p. 834.
- Thayer, Ellis T., Jr., Charleston, W. Va. Gas cut-off. No. 1,080,389; Dec. 2; Gaz. vol. 197; p. 168.
- Thayer, Emerson D. (See Kenyon and Thayer.)
- Thayer, Frank, Callery, Pa. Wrench. No. 1,058,115; Apr. 8; Gaz. vol. 189; p. 291.
- Thayer, Harry M., Woodhull, Ill. Sectional roof construction for silos. No. 1,083,157; Dec. 30; Gaz. vol. 197; p. 1233.
- Theberath, Joseph C. (See Rowe, Smack, and Theberath.)
- Thein, Maximilian O., New York, N. Y. Dental impression-tray. No. 1,054,999; Mar. 4; Gaz. vol. 188; p. 118.
- Theisen, Hans E., Munich, Germany. Gas-washing apparatus. No. 1,052,188; Feb. 4; Gaz. vol. 187; p. 120.
- Theleen, Oscar H., assignor to The Frost Manufacturing Co., Kenosha, Wis. Valve-operating mechanism. No. 1,066,863; July 8; Gaz. vol. 192; p. 363.
- Thelen, Frank A., assignor to A. Mohler, Kewanee, Ill. Bottle-capping device. No. 1,065,638; June 24; Gaz. vol. 191; p. 943.
- Thelen, Jacob J., assignor of one-half to H. C. Hogan, Schenectady, N. Y. Check-valve. No. 1,072,673; Sept. 9; Gaz. vol. 194; p. 371.
- Theo. A. Kochs Company. (See Pfanschmidt, Charles, assignor.)
- Theobald, Albert, Paris, France. Temperature-regulating apparatus. No. 1,051,525; Jan. 28; Gaz. vol. 186; p. 855.
- Theodore W. Foster & Bro. Co. (See Pond, William H., assignor.)
- Theodore W. Foster & Bro. Company. (See Rea, David G., assignor.)
- Theodore W. Foster & Brother Company. (See Mason, Charles H., assignor.)
- Theriot, Joseph R. (See Stebbins, Anson W., assignor.)
- Thermal Syndicate Limited, The. (See Bottomley, Hutton, and Paget, assignors.) (Reissue.)
- Thermolac Manufacturing Company. (See Maynard, Harlan J., assignor.)
- Therrien, Isidore, Quebec, Quebec, Canada. Smoke-consumer. No. 1,061,143; May 6; Gaz. vol. 190; p. 200.
- Thëtier, René. (See Bourrelly, Gabriel, assignor.)
- Theuerkorn, Paul, Chemnitz, assignor to Mann and Willkomm, Aktiengesellschaft, Heidenau, Dresden, Germany. Apparatus for lining tubes with lead, tin, or the like. No. 1,078,387; Nov. 11; Gaz. vol. 196; p. 428.
- Thew Automatic Shovel Company, The. (See Harris, Hollis H., assignor.)
- Thibault, Edward A., Chicago, Ill. Ironing-board. No. 1,059,087; Apr. 15; Gaz. vol. 189; p. 665.
- Thibault, Eugene E., Butte, Mont. Amalgamator. No. 1,065,563; June 24; Gaz. vol. 191; p. 918.
- Thibeault, Charles, and W. Gagne, Lawrence, Mass. Harness-stop for looms. No. 1,079,455; Nov. 25; Gaz. vol. 196; p. 855.
- Thiebaut, Camille, Paris, France, assignor to X. Pene, Ozone Park, N. Y. Corrugated cardboard for packing purposes. No. 1,065,639; June 24; Gaz. vol. 191; p. 943.
- Thiebaut, Camille, Vitry-sur-Seine, France, assignor to X. Pene, Ozone Park, N. Y. Chain-machine for the manufacture of corrugated cardboard. (Reissue.) No. 1,3583; June 24; Gaz. vol. 191; p. 1039.
- Thiel, Frank N., Syracuse, assignor to R. E. Dietz Company, New York, N. Y. Lantern. No. 1,067,495; July 15; Gaz. vol. 192; p. 616.
- Thiel, Gustav, Berlin, Germany. Talking-machine. No. 1,072,529; Sept. 9; Gaz. vol. 194; p. 322.
- Thiel, Heinrich, Ruhla, assignor to Fried. Krupp Aktiengesellschaft, Essen-on-the-Ruhr, Germany. Mechanical time-fuse. No. 1,077,107; Oct. 28; Gaz. vol. 195; p. 979.
- Thiel, Martin A., assignor to The C. & G. Cooper Co., Mount Vernon, Ohio. Gas-engine valve mechanism. No. 1,066,062; July 1; Gaz. vol. 192; p. 56.
- Thiel, Martin A., assignor to The C. & G. Cooper Co., Mount Vernon, Ohio. Valve-gear for gas-engines. No. 1,070,558; Aug. 19; Gaz. vol. 193; p. 578.
- Thiel, Otto, Landstuhl, Germany. Converter process. No. 1,080,606; Dec. 9; Gaz. vol. 197; p. 270.
- Thiele, Albrecht, assignor to Chemische Fabrik auf Actien (vorm. E. Schering), Berlin, Germany. Pharmaceutical compound. No. 1,082,780; Dec. 30; Gaz. vol. 197; p. 1110.
- Thiele, Albrecht, and G. Wichmann, assignors to Chemische Fabrik auf Actien (vorm. E. Schering), Berlin, Germany. Manufacture of 2-phenylquinolin-4-carboxylic acid. No. 1,075,171; Oct. 7; Gaz. vol. 195; p. 200.
- Thielenhaus, Otto, New York, N. Y. Hat-fastener. No. 1,082,180; Dec. 23; Gaz. vol. 197; p. 866.
- Thielmann, Albert C. (See Shields and Thielmann.)
- Thiem, Walter, assignor to S. Olsen, Halle-on-the-Saale, Germany. Apparatus for the production of air-gas. No. 1,063,081; May 27; Gaz. vol. 190; p. 967.
- Thiem, Walter, assignor to S. Olsen, Halle-on-the-Saale, Germany. Apparatus for the production of air-gas. No. 1,071,276; Aug. 26; Gaz. vol. 193; p. 849.
- Thien, Frank P., and F. G. Guenther, Chicago, Ill. Bake-pan. No. 1,069,204; Aug. 5; Gaz. vol. 195; p. 41.
- Thies, Bernhard W. P., Altona, Germany. Towing-hook for ships and the like. No. 1,056,308; Mar. 18; Gaz. vol. 188; p. 627.
- Thiess, Karl. (See Schmidt and Thiess.)
- Thilges, Peter, assignor to The Simmons Manufacturing Company, Kenosha, Wis. Evaporator. No. 1,058,808; Apr. 15; Gaz. vol. 189; p. 566.
- Thim, Carl J., Logan, Utah. Folding umbrella. No. 1,066,864; July 8; Gaz. vol. 192; p. 364.
- Thimonier, Benoit. (See Mollon and Thimonier.)
- Thiogen Company, The. (See Sanborn, McMahon, Overbury, and Young, assignors.)
- Thissell Company. (See Sawyer, Orren A., assignor.)
- Thobal Electric Company. (See Tibbals, Daniel, assignor.)
- Thoen, John C., Burke, Idaho. Drill sharpener, shaper, and gager. No. 1,056,856; Mar. 25; Gaz. vol. 188; p. 844.
- Thoens, Burchard, and S. S. Shears, New York, N. Y. Multiple still. No. 1,069,829; Aug. 12; Gaz. vol. 193; p. 285.

Alphabetical list of patentees—Continued.

- Thom, Thomas M. (See Lassam and Thom.)
- Thoma, Andrew, Cambridge, Mass., assignor to North Chemical Company, New York, N. Y. Shoe-bottom-filling machine. No. 1,052,428; Feb. 4; Gaz. vol. 187; p. 199.
- Thoma, Andrew, Cambridge, Mass., assignor to Clifton Manufacturing Company, Jersey City, N. J. Machine for treating coated fabrics. No. 1,055,430; Mar. 11; Gaz. vol. 188; p. 298.
- Thoman, William J., Shreveport, La. Faucet. No. 1,059,953; Apr. 22; Gaz. vol. 189; p. 992.
- Thomas, Alexander C., Houston, Miss. Woodworking-tool. No. 1,051,526; Jan. 28; Gaz. vol. 186; p. 856.
- Thomas, Alfred, Bainbridge, Ohio. Elevating-truck for vehicles. No. 1,064,871; June 17; Gaz. vol. 191; p. 650.
- Thomas Andrews Manufacturing Company, The. (See Andrews, Thomas, assignor.)
- Thomas & Armstrong Company, The. (See Hames, Harry C., assignor.)
- Thomas, Arvine N., Canton, Ohio. Embroidery-hoop. No. 1,078,809; Nov. 18; Gaz. vol. 196; p. 604.
- Thomas B. Jeffery Company, The. (See Bayer, Paul, assignor.)
- Thomas & Betts Company. (See McMurtrie, Adnah, assignor.)
- Thomas, Charles, Joliet, Ill. Shaft-boxing. No. 1,082,293; Dec. 23; Gaz. vol. 197; p. 908.
- Thomas, Charles B., Watts, S. C. Tool or implement for removing rivets. No. 1,051,356; Jan. 21; Gaz. vol. 186; p. 763.
- Thomas, Charles B., Watts, S. C. Automatic stabilizer for air-craft. No. 1,051,783; Jan. 28; Gaz. vol. 186; p. 939.
- Thomas, Charles B., Watts, S. C. Planter. No. 1,080,790; Dec. 9; Gaz. vol. 197; p. 335.
- Thomas, Charles R., *et al.* (See Palmer, Charles, assignor.)
- Thomas, Charles W., Lindenwold, N. J. Apparatus for mixing materials. No. 1,075,071; Oct. 7; Gaz. vol. 195; p. 167.
- Thomas Cusack Company. (See Becker, William A. F., assignor.)
- Thomas Cusack Company. (See Loughlin, James M., assignor.)
- Thomas, David A. (See Bennett, Lawrence, assignor.)
- Thomas, David K., Kansas City, Mo. Safe and vault. No. 1,062,056; May 20; Gaz. vol. 190; p. 584.
- Thomas, David S., North Platte, Nebr. Airship. No. 1,064,872; June 17; Gaz. vol. 191; p. 650.
- Thomas De La Rue & Company. (See Farmer, Alfred, assignor.)
- Thomas, E. R., *et al.* (See Ross, James T., assignor.)
- Thomas, Edward G., assignor to Aero Pulverizer Company, New York, N. Y. Pulverizing apparatus. No. 1,054,881; Mar. 4; Gaz. vol. 188; p. 79.
- Thomas, Edward G., Boston, Mass., assignor, by mesne assignments, to Automatic Weighing Machine Company, New York, N. Y. Automatic weighing-machine. No. 1,078,971; Nov. 18; Gaz. vol. 196; p. 658.
- Thomas, Edward L., Valdosta, Ga. Grate-bar. No. 1,075,874; Oct. 14; Gaz. vol. 195; p. 469.
- Thomas, Edward W., assignor, by mesne assignments, to T. B. Littleton, Stockton, Cal. Oil-burning furnace. No. 1,051,031; Jan. 21; Gaz. vol. 186; p. 655.
- Thomas, Edwin. (See Langley and Thomas.)
- Thomas, Edwin M., Birmingham, Ala. Card game. No. 1,073,786; Sept. 23; Gaz. vol. 194; p. 822.
- Thomas, Eleni D. (See Thomas, Reginald C. and E. D.)
- Thomas, Elisha G., Washington, D. C. Wagon. No. 1,071,971; Sept. 2; Gaz. vol. 194; p. 102.
- Thomas, Ernst, Westig, Germany. Dowel-bolt. No. 1,059,578; Apr. 22; Gaz. vol. 189; p. 870.
- Thomas, F. G. (See Bradshaw, Frank F., assignor.)
- Thomas Firth and Sons Limited. (See Hoyle and Brearley, assignors.)
- Thomas, Fred A., Pawtucket, R. I. Bubble drinking-fountain. No. 1,056,471; Mar. 18; Gaz. vol. 188; p. 683.
- Thomas, Fred A., Pawtucket, R. I. Drinking-fountain. No. 1,069,043; July 29; Gaz. vol. 192; p. 1218.
- Thomas, Fred E., Brewer, Me. Lock-seat for fish-line reels. No. 1,065,481; June 24; Gaz. vol. 191; p. 890.
- Thomas, George B., assignor to The Bryant Electric Company, Bridgeport, Conn. Electric-lamp socket. No. 1,072,271; Sept. 2; Gaz. vol. 194; p. 203.
- Thomas, George B., assignor to The Bryant Electric Company, Bridgeport, Conn. Fuse-plug. No. 1,078,472; Nov. 11; Gaz. vol. 196; p. 455.
- Thomas, George B., assignor to The Perkins Electric Switch Manufacturing Company, Bridgeport, Conn. Electric switch. No. 1,081,789; Dec. 16; Gaz. vol. 197; p. 705.
- Thomas, George C., Liscard, England. Printing apparatus. No. 1,058,809; Apr. 15; Gaz. vol. 189; p. 567.
- Thomas, George P., Pittsburgh, Pa. Punching machinery. No. 1,064,397; June 10; Gaz. vol. 191; p. 455.
- Thomas, George P., Glenshaw, Pa. Spacing-table carriage. No. 1,068,465; July 29; Gaz. vol. 192; p. 1018.
- Thomas, Gwilym, Bayonne, N. J. Brush. No. 1,068,372; July 22; Gaz. vol. 192; p. 947.
- Thomas Halton's Sons. (See Morrow, Thomas M., assignor.)
- Thomas, Harry, *et al.* (See Moore, Justus J., assignor.)
- Thomas, Harve P., Sumner, Iowa. Ditching-machine. No. 1,066,553; July 8; Gaz. vol. 192; p. 256.
- Thomas, Henry B., assignor to Thomas and Thorne Mfg. Company, Seattle, Wash. Combination shade-roller and curtain-pole bracket. No. 1,073,372; Sept. 16; Gaz. vol. 194; p. 657.
- Thomas, Henry S., Fargo, Okla. Broom-corn harvester and seeder. No. 1,077,863; Nov. 4; Gaz. vol. 196; p. 212.
- Thomas, Herbert A., Bellaire, Mich. Drying-rack. No. 1,080,086; Dec. 2; Gaz. vol. 197; p. 59.
- Thomas, Herbert S., New York, N. Y. Bundle or package carrier. No. 1,075,997; Oct. 14; Gaz. vol. 195; p. 512.
- Thomas, Howard W., Charleroi, Pa. Pencil-holder. No. 1,063,301; June 3; Gaz. vol. 191; p. 45.
- Thomas, Humphrey N., Arkana, Ark. Horse-detacher. No. 1,070,855; Aug. 19; Gaz. vol. 193; p. 675.
- Thomas, James F., and J. Haney, Odessa, Minn. Grading-scraper. No. 1,061,144; May 6; Gaz. vol. 190; p. 201.
- Thomas, Joel C., Vernon, Ala. File. No. 1,066,340; July 1; Gaz. vol. 192; p. 154.
- Thomas, John, Kingman, Ind. Automatic lamp-adjuster. No. 1,081,522; Dec. 16; Gaz. vol. 197; p. 619.
- Thomas, John, assignor of one-half to A. Panczuk, Winnipeg, Manitoba, Canada. Screw-lock. No. 1,050,084; Jan. 7; Gaz. vol. 186; p. 260.
- Thomas, John, assignor of one-third to J. Hink and one-third to L. Hink, Winnipeg, Manitoba, Canada. Saw. No. 1,056,857; Mar. 25; Gaz. vol. 188; p. 845.
- Thomas, John B., Lakewood, N. J. Shock-absorber. No. 1,078,885; Nov. 18; Gaz. vol. 196; p. 630.
- Thomas, John E., *et al.* (See Schneeloch, August, assignor.)
- Thomas, John G., Lima, Ohio. Communion-service tray. No. 1,061,026; May 6; Gaz. vol. 190; p. 163.
- Thomas, John G. P., Holywell Vicarage, Wales. Winding apparatus. No. 1,076,614; Oct. 21; Gaz. vol. 195; p. 755.
- Thomas, John H. (See Haverland and Thomas.)
- Thomas, John P., Chicago, Ill. Arch-supporter. No. 1,078,708; Nov. 18; Gaz. vol. 196; p. 568.
- Thomas, John W. (See Vance, Dan, assignor.)
- Thomas, John W., and M. A. Dimmitt, Kokomo, Ind. Window-shade fastener. No. 1,070,207; Aug. 12; Gaz. vol. 193; p. 414.
- Thomas, Joseph H., Independence, Colo. Mine-car lubricator. No. 1,080,500; Dec. 2; Gaz. vol. 197; p. 203.
- Thomas, Lindale E., Kermit, W. Va. Switch. No. 1,060,796; May 6; Gaz. vol. 190; p. 79.
- Thomas, Lloyd E., Elton, La. Sash-fastener. No. 1,068,546; July 29; Gaz. vol. 192; p. 1044.
- Thomas, Lorenzo S., Carthage, Mo., assignor to G. A. Gibson, trustee. Oil-burner. No. 1,075,875; Oct. 14; Gaz. vol. 195; p. 469.
- Thomas, Luther B., Shreveport, La. Combined measuring and dispensing attachment for bins. No. 1,065,482; June 24; Gaz. vol. 191; p. 890.
- Thomas Manufacturing Company, The. (See Hall, Henry E., assignor.)
- Thomas Manufacturing Company, The. (See Pelton, Charles H., assignor.)
- Thomas, Martin E., assignor of one-fourth to E. Carter, one-fourth to W. O. Rhodes, and one-fourth to M. Taylor, Bowling Green, Ky. Check-row corn-planter. No. 1,064,028; June 10; Gaz. vol. 191; p. 328.
- Thomas, Moroni H., Ogden, Utah. Buffer for furniture, &c. No. 1,069,911; Aug. 12; Gaz. vol. 193; p. 313.
- Thomas Nelson & Sons. (See Baldauf, Charles L., assignor.)
- Thomas, Norman A., Staples, Minn. Supplemental carstep. No. 1,081,874; Dec. 16; Gaz. vol. 197; p. 735.
- Thomas, Paul R., Conway Springs, Kans. Indicator. No. 1,067,079; July 8; Gaz. vol. 192; p. 435.
- Thomas, Percy H., Montclair, N. J., assignor to Cooper Hewitt Electric Company, New York, N. Y. Vapor electric apparatus. No. 1,054,257; Feb. 25; Gaz. vol. 187; p. 937.
- Thomas, Percy H., Montclair, assignor, by mesne assignments, to Cooper Hewitt Electric Company, Hoboken, N. J. Outfit for alternating-current vapor-lamps. No. 1,079,379; Nov. 25; Gaz. vol. 196; p. 830.
- Thomas, Percy H., Montclair, assignor, by mesne assignments, to Cooper Hewitt Electric Co., Hoboken, N. J. Circuit-interrupter. No. 1,079,380; Nov. 25; Gaz. vol. 196; p. 830.
- Thomas, Pete, assignor of one-half to J. Miller, Albuquerque, N. Mex. Hoof-trimming tool. No. 1,056,379; Mar. 18; Gaz. vol. 188; p. 649.
- Thomas, Reginald C. and E. D., New York, N. Y. Cosmetic cream. No. 1,073,787; Sept. 23; Gaz. vol. 194; p. 823.
- Thomas, Richard H., Chicago, Ill. Reservoir and pump therefor. No. 1,059,409; Apr. 22; Gaz. vol. 189; p. 812.
- Thomas, Robert N., Shenandoah, Iowa. Thumb-stall. No. 1,074,757; Oct. 7; Gaz. vol. 195; p. 59.
- Thomas, Robert R., Oak Hill, W. Va. Bed-rail. No. 1,070,079; Aug. 12; Gaz. vol. 193; p. 369.
- Thomas, Robert T. (See Snyder, Augustus G., assignor.)

Alphabetical list of patentees—Continued.

- Thomas Robinson & Son. (See Pottinger, Thomas, assignor.)
- Thomas-Russell Lock Company. (See Russell and Weiser, assignors.)
- Thomas, Samuel B. (See Batsleer and Thomas.)
- Thomas, Shirley, Marion, Ind. Cash-box. No. 1,061,145; May 6; Gaz. vol. 190; p. 201.
- Thomas, Thackston, Mutual, Okla. Vehicle-wheel. No. 1,051,927; Feb. 4; Gaz. vol. 187; p. 27.
- Thomas, Theodore B., Quincy, Mass. Antiskidding device for automobiles. No. 1,058,204; Apr. 8; Gaz. vol. 189; p. 322.
- Thomas, Theodore B., Quincy, Mass. Antiskidding device. No. 1,078,322; Nov. 11; Gaz. vol. 196; p. 404.
- Thomas and Thorne Mfg. Company. (See Thomas, Henry B., assignor.)
- Thomas, Valentine. (See Baker, Porter C., assignor.)
- Thomas, W. I., *et al.* (See Gould, Fred L., assignor.)
- Thomas W. Pangborn Company. (See Dawley, Clarence A., assignor.)
- Thomas W. Pangborn Company. (See Hull, Foster J., assignor.)
- Thomas, Walter A., New Augusta, Ind. Cultivator-fender. No. 1,079,197; Nov. 18; Gaz. vol. 196; p. 739.
- Thomas, Walter K., New York, N. Y., assignor to himself, as trustee. Internal-combustion engine. No. 1,051,289; Jan. 21; Gaz. vol. 186; p. 741.
- Thomas, Wilber B., Salem, Ohio. Automatic brake mechanism. No. 1,076,466; Oct. 21; Gaz. vol. 195; p. 702.
- Thomas, William D. (See Hanson and Thomas.)
- Thomas, William H., Ontario, Cal. Wave-motor. No. 1,072,272; Sept. 2; Gaz. vol. 194; p. 203.
- Thomas, William L., Wheatley, assignor to The Smoke Eliminator Syndicate Limited, London, England. Apparatus for the treatment of smoke from furnaces and the like. No. 1,082,245; Dec. 23; Gaz. vol. 197; p. 890.
- Thomas, William R., Watertown, Wis. Anticreep railway-rail attachment. No. 1,077,377; Nov. 4; Gaz. vol. 196; p. 47.
- Thomas, William R., Jr. (See Thomas, William R., Sr., and W. R., Jr.)
- Thomas, William R., Sr., and W. R., Jr., Catasauqua, Pa.; said Thomas, Sr., assignor to said Thomas, Jr. Valve mechanism for internal-combustion engines. No. 1,063,082; May 27; Gaz. vol. 190; p. 967.
- Thomas, William S. (See Strasburg and Thomas.)
- Thomaschewski, Paul, Vohwinkel, near Elberfeld, assignor to Farbenfabriken vorm. Friedr. Bayer & Co., Elberfeld, Germany. Yellow wool-dye of the anthraquinone series. No. 1,076,249; Oct. 21; Gaz. vol. 195; p. 624.
- Thomaschewski, Paul, Vohwinkel, near Elberfeld, assignor to Farbenfabriken vorm. Friedr. Bayer & Co., Elberfeld, Germany. Vat dye. No. 1,076,329; Oct. 21; Gaz. vol. 195; p. 653.
- Thomason, Frank, Dimiao, Philippine Islands. Weaving-frame. No. 1,071,277; Aug. 26; Gaz. vol. 193; p. 850.
- Thomason, Louise C., Del Rosa, Cal. Cultivator attachment. No. 1,060,797; May 6; Gaz. vol. 190; p. 79.
- Thomason, Paul E., Charlotte, N. C. Moving-picture screen. No. 1,059,236; Apr. 15; Gaz. vol. 189; p. 715.
- Thomlinson, Christopher E., Lake, S. C., assignor of one-fourth to W. F. L. Steele and one-fourth to R. L. Steele, Rockingham, N. C. Plow. No. 1,059,785; Apr. 22; Gaz. vol. 189; p. 937.
- Thompson, Albert R. (See Anderson and Thompson.)
- Thompson, Albert T., Brookline, Mass. Optical projection apparatus. No. 1,076,077; Oct. 21; Gaz. vol. 195; p. 566.
- Thompson, Albert W., Lowell, assignor to Saco-Lowell Shops, Boston, Mass. Insulation of slasher-cylinders. No. 1,076,330; Oct. 21; Gaz. vol. 195; p. 653.
- Thompson, Andrew C., Plainfield, N. J. Starting device for internal-combustion engines. No. 1,056,380; Mar. 18; Gaz. vol. 188; p. 650.
- Thompson, Andrew C., Plainfield, N. J. Starting device for internal-combustion engines. No. 1,056,381; Mar. 18; Gaz. vol. 188; p. 650.
- Thompson, Anna B., *et al.* (See Smith, Warren, assignor.)
- Thompson, Augustus E., Brookline, Mass. Top-bow clamp. No. 1,061,574; May 13; Gaz. vol. 190; p. 385.
- Thompson Automatic Signal Company, The. (See Thompson, James T., assignor.)
- Thompson & Capper. (See Seacombe, Benjamin, assignor.)
- Thompson, Charles A. (See Crecelius, Louis J., assignor.)
- Thompson, Charles A., Union City, Pa. Rail-joint. No. 1,064,398; June 10; Gaz. vol. 191; p. 455.
- Thompson, Charles E., assignor to Luxury Sales Company, Troy, N. Y. Massage device. No. 1,058,273; Apr. 8; Gaz. vol. 189; p. 346.
- Thompson, Charles M., Yellow Pine, La. Cloth-cabinet. No. 1,067,692; July 15; Gaz. vol. 192; p. 682.
- Thompson, Charles W. (See Caldwell, John C., assignor.)
- Thompson, Charles W., and F. A. Grearson, Barre, Vt. Chisel. No. 1,065,407; June 24; Gaz. vol. 191; p. 865.
- Thompson, Clifford R., Jay, Me. Apple-corer. No. 1,051,175; Jan. 21; Gaz. vol. 186; p. 704.
- Thompson, Clifford R., Jay, Me. Fruit-tree prop. No. 1,081,170; Dec. 9; Gaz. vol. 197; p. 461.
- Thompson, Dewey C., Berlin, Wis., assignor to The Phinney Engineering Co., Chillicothe, Ohio. Vegetable-cutter. No. 1,058,116; Apr. 8; Gaz. vol. 189; p. 291.
- Thompson, Don L., Spokane, Wash. Bath-cabinet. No. 1,065,853; June 24; Gaz. vol. 191; p. 1016.
- Thompson, Earl, Syracuse, N. Y. Loose-leaf binder. No. 1,051,527; Jan. 28; Gaz. vol. 186; p. 856.
- Thompson, Edward H., Cincinnati, Ohio. Mechanically-actuated tool. No. 1,055,572; Mar. 11; Gaz. vol. 188; p. 344.
- Thompson, Elmer E. (See Wallace and Thompson.)
- Thompson, Emery, New Rochelle, assignor to Emery Thompson Machine and Supply Co., New York, N. Y. Ice-cream freezer. No. 1,081,790; Dec. 16; Gaz. vol. 197; p. 706.
- Thompson, Franklin O., Meredith, N. H. Tool for finishing shoe-soles. No. 1,058,644; Apr. 8; Gaz. vol. 189; p. 471.
- Thompson, Fred, F. J. Ludlow, and R. A. McDonald, Sidney Mines, Cape Breton, Nova Scotia, Canada. Pipe-wrench. No. 1,064,182; June 10; Gaz. vol. 191; p. 382.
- Thompson, Fred, F. J. Ludlow, and R. A. McDonald, Sidney Mines, Cape Breton, Nova Scotia, Canada. Attachment for wrenches. No. 1,064,399; June 10; Gaz. vol. 191; p. 455.
- Thompson, Fred C., Granger, Wash. Orchard-spraying machine. No. 1,073,646; Sept. 23; Gaz. vol. 194; p. 773.
- Thompson, Frederick, Tamworth, England. Apparatus for the manufacture of tar macadam and the like. No. 1,052,628; Feb. 11; Gaz. vol. 187; p. 300.
- Thompson, Frederick W., Nottingham, assignor to G. Barclay, Brixton Hill, England. Toilet or like comb. No. 1,053,754; Feb. 18; Gaz. vol. 187; p. 731.
- Thompson, George, Grand Rapids, Mich. Sectional door for cars. No. 1,062,057; May 20; Gaz. vol. 190; p. 585.
- Thompson, George C., East Liverpool, Ohio. Safety-bolt. No. 1,063,083; May 27; Gaz. vol. 190; p. 968.
- Thompson, George F., Minneapolis, Minn. Buggy-shaft. No. 1,051,648; Jan. 28; Gaz. vol. 186; p. 896.
- Thompson, George F., Tucumcari, N. Mex. Sand-tire. No. 1,074,391; Sept. 30; Gaz. vol. 194; p. 1053.
- Thompson, George L., Los Angeles, Cal. Making self-lubricating journals. No. 1,059,954; Apr. 22; Gaz. vol. 189; p. 992.
- Thompson, Glenn T., Santa Barbara, Cal. Waffle-cutter. No. 1,053,755; Feb. 18; Gaz. vol. 187; p. 731.
- Thompson, Grant U., Cedar Falls, Iowa. Cleaning-machine for blackboard-erasers. No. 1,052,697; Feb. 11; Gaz. vol. 187; p. 324.
- Thompson, Grant U., Cedar Falls, Iowa. Machine for cleaning blackboard-erasers. No. 1,070,304; Aug. 12; Gaz. vol. 193; p. 448.
- Thompson, Harrison G., Glen Ridge, N. J., assignor to Safety Car Heating & Lighting Company. Resistance device. No. 1,053,242; Feb. 18; Gaz. vol. 187; p. 553.
- Thompson, Harrison G., Glen Ridge, N. J., assignor to The Safety Car Heating & Lighting Company. System of electrical distribution. No. 1,066,554; July 8; Gaz. vol. 192; p. 256.
- Thompson, Harrison G., Glen Ridge, N. J., assignor to The Safety Car Heating & Lighting Company. Car-lighting system. No. 1,070,080; Aug. 12; Gaz. vol. 193; p. 369.
- Thompson, Harry E., Knoxville, Tenn., assignor to William J. Oliver Manufacturing Company. Dump-car. No. 1,049,622; Jan. 7; Gaz. vol. 186; p. 105.
- Thompson, Hermon E., Anson, Tex. Automatic fire-escape. No. 1,071,655; Aug. 26; Gaz. vol. 193; p. 975.
- Thompson, Jacob M., Fond du Lac, Wis. Concrete keg. No. 1,056,232; Mar. 18; Gaz. vol. 188; p. 602.
- Thompson, James A. (See Mackie and Thompson.)
- Thompson, James A., and E. M. Mackie, assignors to Chicago Pneumatic Tool Company, Chicago, Ill. Rock-drill. No. 1,065,007; June 17; Gaz. vol. 191; p. 693.
- Thompson, James M., Milwaukee, Wis. Grinding-machine. No. 1,063,618; June 3; Gaz. vol. 191; p. 154.
- Thompson, James T., assignor to The Thompson Automatic Signal Company, Chicago, Ill. Railway-train-control apparatus. No. 1,068,023; July 22; Gaz. vol. 192; p. 826.
- Thompson, James T., assignor to The Thompson Automatic Signal Company, Chicago, Ill. Signal or control mechanism for railway-trains. No. 1,068,024; July 22; Gaz. vol. 192; p. 827.
- Thompson, James V., Spencer, W. Va. Lock. No. 1,057,898; Apr. 1; Gaz. vol. 189; p. 172.
- Thompson, James V., Spencer, W. Va. Hasp-lock. No. 1,057,899; Apr. 1; Gaz. vol. 189; p. 172.
- Thompson, James W., *et al.* (See Byrd, Oscar O., assignor.)
- Thompson, James W., Champaign, Ill. Trap-nest. No. 1,068,373; July 22; Gaz. vol. 192; p. 947.
- Thompson, Jefferson D., Washington, D. C. Skylight construction. No. 1,075,388; Oct. 14; Gaz. vol. 195; p. 305.
- Thompson, Jesse C., Westfield, Mass. Vapor-burner. No. 1,060,867; May 6; Gaz. vol. 190; p. 105.

Alphabetical list of patentees—Continued.

- Thompson, John, assignor of forty-nine one-hundredths to G. A. Barr, Taft, Cal. Valve-seat. No. 1,067,284; July 15; Gaz. vol. 192; p. 544.
- Thompson, John A., *et al.* (See Humphrey, Edwin H., assignor.)
- Thompson, John A., Oscaloosa, Iowa. Fuel-vaporizing device. No. 1,065,640; June 24; Gaz. vol. 191; p. 944.
- Thompson, John C., Cincinnati, Ohio. Gearing. No. 1,074,579; Sept. 30; Gaz. vol. 194; p. 1114.
- Thompson, John D., Toronto, Ontario, Canada. Stamp-affixing machine. No. 1,063,226; June 3; Gaz. vol. 191; p. 19.
- Thompson, John L., Vinson, Okla. Grain-thresher. No. 1,063,227; June 3; Gaz. vol. 191; p. 20.
- Thompson, John W., Brent, Ala. Shield for driving-gear of motor-vehicles. No. 1,055,101; Mar. 4; Gaz. vol. 188; p. 152.
- Thompson, John W., Washington, D. C. Muzzle. No. 1,082,372; Dec. 23; Gaz. vol. 197; p. 935.
- Thompson, Joseph T., Hattou, N. D. Composition for stopping leaks. No. 1,070,857; Aug. 19; Gaz. vol. 193; p. 676.
- Thompson, Joseph W., New York, N. Y. Post-card-vending machine. No. 1,064,940; June 17; Gaz. vol. 191; p. 671.
- Thompson, Joseph W., New York, N. Y., assignor to Universal Vending Machine Company. Vending-machine. No. 1,064,941; June 17; Gaz. vol. 191; p. 671.
- Thompson, Juell C., and G. W. Hall, Brainerd, Minn. Lubricating device for car-axes. No. 1,065,641; June 24; Gaz. vol. 191; p. 944.
- Thompson, La Marcus A., assignor to The L. A. Thompson Scenic Railway Company, New York, N. Y. Pleasure-railway. No. 1,070,081; Aug. 12; Gaz. vol. 193; p. 370.
- Thompson, La Marcus A., assignor to The L. A. Thompson Scenic Railway Company, New York, N. Y. Pleasure-railway. No. 1,070,082; Aug. 12; Gaz. vol. 193; p. 370.
- Thompson, La Marcus A., assignor to The L. A. Thompson Scenic Railway Company, New York, N. Y. Pleasure-railway. No. 1,070,208; Aug. 12; Gaz. vol. 193; p. 414.
- Thompson, La Marcus A., assignor to The L. A. Thompson Scenic Railway Company, New York, N. Y. Pleasure-railway. No. 1,070,360; Aug. 12; Gaz. vol. 193; p. 466.
- Thompson, Lewis A. (See Meyer, Charles C., assignor.)
- Thompson, Livingston A., Milwaukee, Wis. Concentrated food product. No. 1,063,302; June 3; Gaz. vol. 191; p. 45.
- Thompson, Love C., Canon City, Colo. Trap. No. 1,052,293; Feb. 4; Gaz. vol. 187; p. 154.
- Thompson, Nelson W. (See Peetz, McDanel, and Thompson.) (Reissue.)
- Thompson, Peter. (See Roshon, Israel A., assignor.)
- Thompson, Ralph P. and W. S., assignors of one-third to O. P. Edwards, Leipsic, Ohio. Automobile. No. 1,072,791; Sept. 9; Gaz. vol. 194; p. 413.
- Thompson, Robert O., Campbell Hall, N. Y. Milk-can cover. No. 1,053,756; Feb. 18; Gaz. vol. 187; p. 731.
- Thompson, Samuel C. (See Thorpe and Thompson.)
- Thompson, Samuel F. (See Dawson, Thomas, assignor.)
- Thompson, Samuel O., assignor of forty one-hundredths to R. M. Williams, Maxton, N. C. Automatic water cut-off. No. 1,075,675; Oct. 14; Gaz. vol. 195; p. 402.
- Thompson, Samuel S. D., Paragould, Ark. Well-bucket and bottom. No. 1,058,923; Apr. 15; Gaz. vol. 189; p. 609.
- Thompson, Stacy C., Manistee, Mich. Knockdown table. No. 1,072,060; Sept. 2; Gaz. vol. 194; p. 133.
- Thompson, Stephen G., Jersey City, N. J. Battery-supporting cradle for vehicles. No. 1,081,706; Dec. 16; Gaz. vol. 197; p. 676.
- Thompson, Thomas, assignor of one-half to W. H. Smith, Pawtucket, R. I. Automatic stopping device for lace-looms. No. 1,076,798; Oct. 28; Gaz. vol. 195; p. 872.
- Thompson, Thomas L., Kingfisher, Okla. Churn. No. 1,083,158; Dec. 30; Gaz. vol. 197; p. 1233.
- Thompson, Thomas R., Duncan, S. C. Railway-clamp. No. 1,055,370; Mar. 11; Gaz. vol. 188; p. 278.
- Thompson, Walter E., Chester, Pa. Attachment for boiler-tubes. No. 1,077,441; Nov. 4; Gaz. vol. 196; p. 71.
- Thompson, Walter S. (See Jensen, Karl V., assignor.)
- Thompson, Watson T., Buffalo, N. Y., assignor to The Barber Asphalt Paving Company, Philadelphia, Pa. Scraping device for road machinery. No. 1,065,188; June 17; Gaz. vol. 191; p. 751.
- Thompson, William D. (See Latta and Thompson.)
- Thompson, William E., Ranger Lake, N. Mex. Washing-machine. No. 1,062,130; May 20; Gaz. vol. 190; p. 610.
- Thompson, William H., assignor to National Display System, Inc., Memphis, Tenn. Electric clock. No. 1,060,380; Apr. 29; Gaz. vol. 189; p. 1182.
- Thompson, William J., New York, N. Y. Plate-holder for cameras. No. 1,049,944; Jan. 7; Gaz. vol. 186; p. 211.
- Thompson, William J., New York, N. Y. Plate-holder for cameras. No. 1,079,810; Nov. 25; Gaz. vol. 196; p. 981.
- Thompson, William S. (See Thompson, Ralph P. and W. S.)
- Thompson, Willis B., Steward, Ill. Vehicle-spring. No. 1,066,164; July 1; Gaz. vol. 192; p. 92.
- Thompson, Willsie A. S. (See Hardison, Gunn, and Thompson.)
- Thompson, Winfield W., Seebert, W. Va. Rotary engine. No. 1,058,496; Apr. 8; Gaz. vol. 189; p. 423.
- Thomson, John, Ricardo, Tex. Cotton-stalk cutter. No. 1,054,882; Mar. 4; Gaz. vol. 188; p. 79.
- Thomson, Peter. (See Schmidt and Thomson.)
- Thomson, Peter, assignor to Schmidt'sche Heissdampf Gesellschaft m. b. H., Cassel-Wilhelmshöhe, Germany. Apparatus for cooling superheater-pipes. No. 1,072,194; Sept. 2; Gaz. vol. 194; p. 179.
- Thomson, Peter, Cassel-Wilhelmshöhe, assignor to Schmidt'sche Heissdampf-Gesellschaft mit beschränkter Haftung, Cassel, Germany. Steam-superheater. No. 1,074,300; Sept. 30; Gaz. vol. 194; p. 1023.
- Thomson, Peter, and E. Doettloff, assignors to Schmidt'sche Heissdampf-Gesellschaft mit beschränkter Haftung, Cassel, Germany. Smoke-tube superheater. No. 1,073,305; Sept. 16; Gaz. vol. 194; p. 633.
- Thomson, Alexander, Lake Charles, La. Lamp-chimney attachment. No. 1,052,984; Feb. 11; Gaz. vol. 187; p. 421.
- Thomson, Alexander A., *et al.* (See Butcher, John A., assignor.)
- Thomson Electric Welding Company. (See Barstow, George E., assignor.)
- Thomson Electric Welding Company. (See Hodges, William H., assignor.)
- Thomson Electric Welding Company. (See Rietzel, Adolph F., assignor.)
- Thomson Electric Welding Company. (See Thomson, Elihu, assignor.)
- Thomson Electric Welding Company. (See Thomson, Roland D., assignor.)
- Thomson, Elihu, Swampscott, Mass. Repairing railway-rails. No. 1,075,738; Oct. 14; Gaz. vol. 195; p. 423.
- Thomson, Elihu, Swampscott, Mass., assignor to General Electric Company. Electrical resistance. No. 1,063,303; June 3; Gaz. vol. 191; p. 45.
- Thomson, Elihu, Swampscott, Mass., assignor to General Electric Company. Steam-power system. No. 1,063,619; June 3; Gaz. vol. 191; p. 155.
- Thomson, Elihu, Swampscott, Mass., assignor to General Electric Company. Electric heater. No. 1,072,530; Sept. 9; Gaz. vol. 194; p. 322.
- Thomson, Elihu, Swampscott, Mass., assignor to General Electric Company. Valve mechanism for engines. No. 1,080,733; Dec. 9; Gaz. vol. 197; p. 313.
- Thomson, Elihu, Swampscott, Mass., assignor to General Electric Company. Condensing apparatus. No. 1,080,734; Dec. 9; Gaz. vol. 197; p. 314.
- Thomson, Elihu, Swampscott, assignor to Thomson Electric Welding Company, Lynn, Mass. Welding. No. 1,076,467; Oct. 21; Gaz. vol. 195; p. 702.
- Thomson, Elihu, Swampscott, assignor, by mesne assignments, to Thomson Electric Welding Company, Lynn, Mass. Electrical welding of sheet metal. No. 1,078,225; Nov. 11; Gaz. vol. 196; p. 369.
- Thomson, John, New York, N. Y. Electric zinc-furnace with integral condenser. No. 1,080,862; Dec. 9; Gaz. vol. 197; p. 361.
- Thomson, John, New York, N. Y. Electric zinc-furnace with integral condenser. No. 1,080,863; Dec. 9; Gaz. vol. 197; p. 361.
- Thomson, John, New York, N. Y. Electric zinc-furnace with integral compound condenser. No. 1,080,864; Dec. 9; Gaz. vol. 197; p. 361.
- Thomson, John, New York, N. Y. Electrical zinc-furnace with integral condenser. No. 1,080,865; Dec. 9; Gaz. vol. 197; p. 362.
- Thomson, John, New York, N. Y. Electric zinc-furnace with integral condenser. No. 1,080,866; Dec. 9; Gaz. vol. 197; p. 362.
- Thomson, John A., assignor of one-third to J. H. Howard and one-third to J. L. Howard, Allentown, Pa. Inner tire. No. 1,082,660; Dec. 30; Gaz. vol. 197; p. 1066.
- Thomson, Julius, Offenbach-on-the-Main, Germany. Apparatus for impressing patterns on leather and like soft materials. No. 1,063,084; May 27; Gaz. vol. 190; p. 968.
- Thomson, Malcolm, Swampscott, Mass., assignor to General Electric Company. Muffler. No. 1,066,341; July 1; Gaz. vol. 192; p. 154.
- Thomson, Robert, Pollokshields, Glasgow, Scotland. Metal-concrete reinforced floor. No. 1,065,322; June 17; Gaz. vol. 191; p. 798.
- Thomson, Robert, Pollokshields, Glasgow, Scotland. Pile, pier, wharf, and like structure. No. 1,081,171; Dec. 9; Gaz. vol. 197; p. 461.
- Thomson, Robert and W. A., Pollokshields, Glasgow, Scotland. Reinforcement of columns, ferroconcrete pillars, and the like. No. 1,065,321; June 17; Gaz. vol. 191; p. 797.
- Thomson, Robert and W. A., Pollokshields, Glasgow, Scotland. Ferroconcrete floor. No. 1,074,072; Sept. 23; Gaz. vol. 194; p. 918.
- Thomson, Roland D., Swampscott, assignor to Thomson Electric Welding Company, Lynn, Mass. Welding. No. 1,078,226; Nov. 11; Gaz. vol. 196; p. 369.
- Thomson, Samuel G. (See Thomson, William P. and S. G.)

Alphabetical list of patentees—Continued.

- Thomson, Thomas N., Scranton, Pa., assignor to International Poultry Sales Company, Brown Mills, N. J. Hover or brooder. No. 1,050,251; Jan. 14; Gaz. vol. 186; p. 349.
- Thomson, Thomas N., Scranton, Pa., assignor, by mesne assignments, to Hover-Incubator Manufacturing Company, Incubator. No. 1,082,980; Dec. 30; Gaz. vol. 197; p. 1178.
- Thomson, William A. (See Thomson, Robert and W. A.)
- Thomson, William B., Chicago, Ill. Bottle closure or seal. No. 1,079,074; Nov. 18; Gaz. vol. 196; p. 697.
- Thomson, William J., Grand View, Manitoba, Canada. Draft-equalizer. No. 1,051,528; Jan. 28; Gaz. vol. 186; p. 856.
- Thomson, William P. and S. G., Philadelphia, Pa., assignors, by mesne assignments, to The 100% Rail Joint Company, New York, N. Y. Washer. No. 1,057,686; Apr. 1; Gaz. vol. 189; p. 99.
- Thomson, William P. and S. G., Philadelphia, Pa., assignors, by mesne assignments, to The 100% Rail Joint Company, New York, N. Y. Rail-splicing structure. No. 1,057,687; Apr. 1; Gaz. vol. 189; p. 99.
- Thomson, William S., assignor to The H. D. Smith & Company, Plantsville, Conn. Wrench. No. 1,061,339; May 13; Gaz. vol. 190; p. 301.
- Thorbahn, Albert A., Niagara Falls, N. Y. Non-refillable bottle. No. 1,067,849; July 22; Gaz. vol. 192; p. 768.
- Thorbjornson, Anna C., Powers, Mich. Burglar and fire alarm. No. 1,052,024; Feb. 4; Gaz. vol. 187; p. 63.
- Thordarson, Chester H., Chicago, Ill. Insulating-bushing. (Reissue.) No. 13,529; Feb. 11; Gaz. vol. 187; p. 479.
- Thordarson, Chester H., Chicago, Ill. Storage-battery power and charging equipment. No. 1,077,175; Oct. 28; Gaz. vol. 195; p. 998.
- Thorell, Justina, Portland, Oreg. Electric massage apparatus. No. 1,079,276; Nov. 18; Gaz. vol. 196; p. 763.
- Thoreson, Harry M., Yankton county, near Irene, S. D. Mechanism to prevent the stripping of transmission-gears. No. 1,081,067; Dec. 9; Gaz. vol. 197; p. 427.
- Thormeyer, Franz E., Hamburg, Germany. Means for recording and reproducing lengthy speeches, compositions, and the like. No. 1,063,085; May 27; Gaz. vol. 190; p. 968.
- Thorn, Jasper B., Gillingham, England. Apparatus for checking and recording receipts and the like. No. 1,076,531; Oct. 21; Gaz. vol. 195; p. 725.
- Thorn, John W., Princeton, W. Va. Sash-lock. No. 1,052,770; Feb. 11; Gaz. vol. 187; p. 347.
- Thorn, Oskar F., assignor of one-third to G. Hullgren, Chicago, Ill. Planing-machine. No. 1,075,739; Oct. 14; Gaz. vol. 195; p. 423.
- Thornburg, George E., Winchester, Ind. Envelop. No. 1,071,189; Aug. 26; Gaz. vol. 193; p. 819.
- Thornburg, Samuel A., assignor of one-half to A. J. Fletcher, Frontenac, Kans. Power-hammer. No. 1,066,063; July 1; Gaz. vol. 192; p. 56.
- Thorne, Carl B., Hawkesbury, Ontario, Canada. Reclaiming system in a sulfate pulp process. No. 1,076,078; Oct. 21; Gaz. vol. 195; p. 567.
- Thorne, George T., Detroit, Mich. Hair-loom. No. 1,069,497; Aug. 5; Gaz. vol. 193; p. 143.
- Thorngren, Elmer S. (See Michels and Thorngren.)
- Thornley, Albert J., assignor to Narragansett Machine Company, Pawtucket, R. I. Vaulting-horse buck. No. 1,052,189; Feb. 4; Gaz. vol. 187; p. 120.
- Thornley, Albert J., assignor to Narragansett Machine Company, Pawtucket, R. I. Gymnasium apparatus. No. 1,063,620; June 3; Gaz. vol. 191; p. 155.
- Thornley, Albert J., assignor to Narragansett Machine Company, Pawtucket, R. I. Rack for holding gymnasium apparatus. No. 1,063,621; June 3; Gaz. vol. 191; p. 156.
- Thornton, Elmer E., *et al.* (See Reed, Arthur, assignor.)
- Thornton, Frank L. (See Cawthon and Thornton.)
- Thornton, George A., Pawtucket, assignor of one-half to A. F. Place, Cranston, R. I. Fire-extinguisher. No. 1,063,228; June 3; Gaz. vol. 191; p. 20.
- Thornton, George A., Pawtucket, assignor of one-half to A. F. Place, Cranston, R. I. Fire-extinguisher. No. 1,063,476; June 3; Gaz. vol. 191; p. 103.
- Thornton, Harold S., Longueuil, Quebec, Canada. Vapor-burner. No. 1,076,718; Oct. 28; Gaz. vol. 195; p. 845.
- Thornton, Harold S., assignor to The Diamond Light and Heating Company of Canada, Limited, Montreal, Quebec, Canada. Burner. No. 1,082,294; Dec. 23; Gaz. vol. 197; p. 908.
- Thornton, John N., Bridgeport, Conn., assignor to New York Adding Typewriter Company, Orange, N. J. Combined adding and type-writing machine. No. 1,058,810; Apr. 15; Gaz. vol. 189; p. 567.
- Thornton, Marcellus E. (See Tommasini, Antonio, assignor.)
- Thornton, Walter J. (See Funkhouser, Howard L., assignor.)
- Thornycroft, John E., Woolston, England. Propulsion of vessels. No. 1,053,243; Feb. 18; Gaz. vol. 187; p. 553.
- Thorp, George F., London, England. Oscillating pen. No. 1,058,924; Apr. 15; Gaz. vol. 189; p. 609.
- Thorp, James M. and V. E., Alameda, Cal. Dredge. No. 1,055,371; Mar. 11; Gaz. vol. 188; p. 278.
- Thorp, Jay E. (See Schroyer and Thorp.)
- Thorp, Roy M. P., assignor of one-third to C. E. Davis, Cambridge, Mass. Tire. No. 1,068,025; July 22; Gaz. vol. 192; p. 827.
- Thorp, Vernon E. ((See Thorp, James M. and V. E.)
- Thorp, William T., Litchfield, Ill. Vehicle-wheel. No. 1,062,519; May 20; Gaz. vol. 190; p. 739.
- Thorpe, Edgar R., and S. C. Thompson, Lakin, Kans. Garbage-incinerator. No. 1,070,209; Aug. 12; Gaz. vol. 193; p. 415.
- Thorsby, Karl J., assignor to California Corrugated Culvert Company, Oakland, Cal. Separable fastening for sectional pipes. No. 1,050,871; Jan. 21; Gaz. vol. 186; p. 598.
- Thorsby, Karl J., assignor to California Corrugated Culvert Company, Oakland, Cal. Slide-gate. No. 1,054,150; Feb. 25; Gaz. vol. 187; p. 900.
- Thorsby, Karl J., assignor to California Corrugated Culvert Company, Oakland, Cal. Joint tightener and spreader for conduits. No. 1,065,408; June 24; Gaz. vol. 191; p. 865.
- Thorsen, Arthur C., Weehawken, N. J. Rail-joint. No. 1,068,948; July 29; Gaz. vol. 192; p. 1187.
- Thorslend, Charly A., Berwyn, Ill. Railway safety appliance. No. 1,059,088; Apr. 15; Gaz. vol. 189; p. 666.
- Thorsen, Gustave N., Overland Park, Kans. Mail-box. No. 1,050,252; Jan. 14; Gaz. vol. 186; p. 350.
- Thos. H. Dallett Co. (See Van Sickle, Wilber H., assignor.)
- Thowless, Arthur J., Newark, N. J. Exhibition illusion. No. 1,064,873; June 17; Gaz. vol. 191; p. 650.
- Thowless, Orlando M., Newark, N. J. Glowler for electrical incandescent lamps. No. 1,074,333; Sept. 30; Gaz. vol. 194; p. 1034.
- Thraenhart, Oskar. (See Koerting and Thraenhart.)
- Threlfall, Richard, Birmingham, England. Electrolytic cell. No. 1,062,058; May 20; Gaz. vol. 190; p. 585.
- Threikeld, Vardry M., Clarksville, Ark. Block. No. 1,055,954; Mar. 11; Gaz. vol. 188; p. 472.
- Thresher, Edward E., Aurora, Ohio. Artificial bird-target. No. 1,075,518; Oct. 14; Gaz. vol. 195; p. 348.
- Thresher, James F., Campbellsport, Wis. Bag-holder. No. 1,067,888; July 22; Gaz. vol. 192; p. 781.
- Thron, Heinrich, Frankfort-on-the-Main, assignor to Vereinigte Chininfabriken Zimmer & Co. G. m. b. H., Frankfort, Germany. Hydrogenizing organic compounds. No. 1,077,442; Nov. 4; Gaz. vol. 196; p. 72.
- Thron, Heinrich, and C. Freund, assignors to Vereinigte Chininfabriken Zimmer & Co., G. m. b. H., Frankfort-on-the-Main, Germany. Manufacture and production of alkyl derivatives and substituted alkyl derivatives of hydrocupreine. No. 1,062,203; May 20; Gaz. vol. 190; p. 635.
- Throne, Robert P., Syracuse, assignor to R. E. Dietz Company, New York, N. Y. Tubular lantern. No. 1,068,026; July 22; Gaz. vol. 192; p. 827.
- Thropp, Peter D., assignor to The De Laski & Thropp Circular Woven Tire Company, Trenton, N. J. Vulcanizing-mold. No. 1,082,373; Dec. 23; Gaz. vol. 197; p. 936.
- Thulander, Konstantine, assignor to National Lock Company, Rockford, Ill. Guard for punch-presses and similar devices. No. 1,060,720; May 6; Gaz. vol. 190; p. 54.
- Thulin, John, assignor of one-fourth to L. A. Ferguson, one-fourth to P. J. Smith, Chicago, Ill., and one-fourth to C. F. Eastman, Monrovia, Cal. Electric-arc lamp. No. 1,060,382; Apr. 29; Gaz. vol. 189; p. 1183.
- Thull, Peter J., Cullebra, Canal Zone. Rail-joint for portable tracks. No. 1,072,273; Sept. 2; Gaz. vol. 194; p. 203.
- Thullen, Louis H., Cincinnati, Ohio. Control system for electric motors. No. 1,070,638; Aug. 19; Gaz. vol. 193; p. 603.
- Thullen, Louis H., Cincinnati, Ohio, assignor to The Union Switch & Signal Company, Swissvale, Pa. Circuit-controlling apparatus. No. 1,054,653; Feb. 25; Gaz. vol. 187; p. 1072.
- Thullen, Louis H., and F. W. Willey, Cincinnati, Ohio; assignors to The Triumph Electric Company. Electric-motor regulation and control. No. 1,074,392; Sept. 30; Gaz. vol. 194; p. 1054.
- Thumm, William G., assignor of one-half to L. M. Keizer, Baltimore, Md. Tool for cutting key-seats in the hubs of wheels. No. 1,070,750; Aug. 19; Gaz. vol. 193; p. 642.
- Thummel, William G., St. Louis, Mo. Internal-combustion engine. No. 1,062,308; May 20; Gaz. vol. 190; p. 671.
- Thun, Alfred, Gevelsberg, and H. Thun, Ludwigshafen, Germany. Means for applying stamps or labels. No. 1,066,342; July 1; Gaz. vol. 192; p. 154.
- Thun, Hermann. (See Thun, Alfred and H.)
- Thurber, Edward J., assignor to Thurber Rotary Starter Co., Incorporated, New Orleans, La. Rotary self-starter. No. 1,058,811; Apr. 15; Gaz. vol. 189; p. 568.
- Thurber, Edward J., assignor to Thurber Rotary Starter Co., New Orleans, La. Valve device. No. 1,064,565; June 10; Gaz. vol. 191; p. 512.
- Thurber, George R., Kenora, Ontario, Canada. Ore-mill. No. 1,059,089; Apr. 15; Gaz. vol. 189; p. 667.
- Thurber Rotary Starter Co. (See Thurber, Edward J., assignor.)

Alphabetical list of patentees—Continued.

- Thurman, Charles R., Parnassas, Va., assignor to Electric Renovator Manufacturing Co., Pittsburgh, Pa. Pneumatic cleaning-tool. No. 1,068,713; July 29; Gaz. vol. 192; p. 1103.
- Thurman, Francis M., Arapaho, Okla. Cork-extractor. No. 1,064,566; June 10; Gaz. vol. 191; p. 513.
- Thurman, John S., and L. I. Lockwood, St. Louis, Mo. Moisture-extracting apparatus. No. 1,054,056; Feb. 25; Gaz. vol. 187; p. 868.
- Thurmann, Otto, Berlin, Germany. Apparatus for manufacturing chocolate. No. 1,076,924; Oct. 28; Gaz. vol. 195; p. 917.
- Thurrow, Carl W., Ramona, S. D. Plow. No. 1,050,314; Jan. 14; Gaz. vol. 186; p. 371.
- Thurston, Charles M., San Francisco, Cal. Adjustable curtain-support. No. 1,069,302; Aug. 5; Gaz. vol. 193; p. 74.
- Thurston, Fredrick A., Lynn, Mass. Buffing-machine. No. 1,076,468; Oct. 21; Gaz. vol. 195; p. 703.
- Thurston, Howard, Coscob, Conn., assignor to The Government of the United States of America. Life-saving device. No. 1,051,649; Jan. 28; Gaz. vol. 186; p. 896.
- Thurston-McCormick Co. (See McCormick, Langdon, assignor.)
- Thwaites, John H., London, England. Refuse-destructer furnace. No. 1,050,253; Jan. 14; Gaz. vol. 186; p. 350.
- Thwaites, John H., London, England. Charging apparatus for destructor-furnaces. No. 1,050,254; Jan. 14; Gaz. vol. 186; p. 350.
- Thwaites, John H., Peterborough, England. Treatment of copper liquors. No. 1,069,205; Aug. 5; Gaz. vol. 193; p. 41.
- Thygeson, George R., Aberdeen, Wash. Adjustable securing device for shoes, gloves, &c. No. 1,071,278; Aug. 26; Gaz. vol. 193; p. 850.
- Tibbals, Alfred L. (See Hess and Tibbals.)
- Tibbals, Daniel, assignor to Thobal Electric Company, St. Louis, Mo. Electric massage-roll. No. 1,059,090; Apr. 15; Gaz. vol. 189; p. 667.
- Tibbals, Walter H., assignor to Fyro Extinguisher Company, Syracuse, N. Y. Holder for hand fire-extinguishers. No. 1,083,159; Dec. 30; Gaz. vol. 197; p. 1234.
- Tibbetts, Milton, assignor, by mesne assignments, to Packard Motor Car Company, Detroit, Mich. Controlling mechanism for motor-vehicles. No. 1,055,834; Mar. 11; Gaz. vol. 188; p. 433.
- Tibbs, Angus, assignor of one-fourth to W. P. Henderson and one-fourth to L. Granger, Uniontown, Pa. Automatic thermal cut-off. No. 1,055,955; Mar. 11; Gaz. vol. 188; p. 472.
- Tibbs, Angus, assignor of one-half to J. F. Page and one-fourth to W. P. Henderson, Uniontown, Pa. Automatic thermal cut-off for gas-burners. No. 1,082,712; Dec. 30; Gaz. vol. 197; p. 1085.
- Tibbs, Homer H., Nashville, Tenn. Bed-lock. &c. No. 1,064,874; June 17; Gaz. vol. 191; p. 650.
- Tibyriçá, Luiz W., São Paulo, Brazil. Conveyer. No. 1,080,501; Dec. 2; Gaz. vol. 197; p. 203.
- Tichay, Paul, New York, N. Y. Attachment for aeroplanes. No. 1,060,958; May 6; Gaz. vol. 190; p. 137.
- Tichenor, Luther M., Owensville, Ind. Emergency automobile-tire. No. 1,076,719; Oct. 28; Gaz. vol. 195; p. 845.
- Tichota, Vencel J., Dodge, Nebr. Draft-equalizer. No. 1,076,331; Oct. 21; Gaz. vol. 195; p. 654.
- Tichy, Joseph, Chicago, Ill. Telephone disinfectant attachment. No. 1,068,949; July 29; Gaz. vol. 192; p. 1187.
- Tickoshinsky, Max. (See Levee and Tickoshinsky.)
- Ticonderoga Machine Works. (See Russell and Mason, assignors.)
- Tidd, Winthrop L., Taunton, Mass. Combined wrist-strap and coin-holder. No. 1,080,240; Dec. 2; Gaz. vol. 197; p. 113.
- Tideman, Frank L., Brooklyn, N. Y. Making hexagonal nuts. No. 1,076,079; Oct. 21; Gaz. vol. 195; p. 567.
- Tiedtke, Gustav, Dortmund, Germany. Process and apparatus for automatically raising water. No. 1,064,567; June 10; Gaz. vol. 191; p. 513.
- Tiefel, Charles G. (See Todd and Tiefel.)
- Tierney, George G. (See Smith, Arthur P., assignor.)
- Tietz, August. (See Truman and Tietz.)
- Tietz, William, Richmond, Va.; R. G. Dashiell, curator of the estate of said William Tietz, deceased. Sectional shelving. No. 1,063,086; May 27; Gaz. vol. 190; p. 969.
- Tietz, William, deceased, Richmond, Va.; R. G. Dashiell, curator. Shelf structure. No. 1,066,165; July 1; Gaz. vol. 192; p. 92.
- Tiffany, Edward L., and F. S. Loomis, Hoboken, N. J. Cadet gun and rifle. No. 1,080,939; Dec. 9; Gaz. vol. 197; p. 387.
- Tift, William A., Friday Harbor, Wash. Gas-engine. No. 1,082,569; Dec. 30; Gaz. vol. 197; p. 1034.
- Tighe, Fredrick F., New York, N. Y. Resilient wheel. No. 1,055,835; Mar. 11; Gaz. vol. 188; p. 434.
- Tighe, Thomas, Claremorris, Ireland. Fastener for purses and bags. No. 1,074,910; Oct. 7; Gaz. vol. 195; p. 110.
- Tilden, Bert O., assignor to American Sanitary Works, New York, N. Y. Flush-tank-operating device. No. 1,061,704; May 13; Gaz. vol. 190; p. 429.
- Tilden, Bert O., assignor to American Sanitary Works, New York, N. Y. Flush-tank-operating mechanism. No. 1,061,705; May 13; Gaz. vol. 190; p. 430.
- Tilden, Bert O., assignor to American Sanitary Works, New York, N. Y. Flush-tank-operating device. No. 1,076,925; Oct. 28; Gaz. vol. 195; p. 918.
- Tilden, Clarence B., assignor to W. A. Sunderland, Madison, Ohio. Single-trigger mechanism for double-barreled guns. No. 1,051,032; Jan. 21; Gaz. vol. 186; p. 655.
- Tilden, Marshall, assignor of one-half to G. W. Randall, Los Angeles, Cal. Hand-stamp. No. 1,069,356; Aug. 5; Gaz. vol. 193; p. 94.
- Tileston, Henry M., deceased, Chicago, Ill.; J. F. Devine, administrator. Axle for vehicle-wheels. No. 1,082,246; Dec. 23; Gaz. vol. 197; p. 890.
- Tilghman, Harry E. (See Mann and Gnoeth, assignors.)
- Tilghman, Walter W., Palatka, Fla. Dispensing-spout. No. 1,076,080; Oct. 21; Gaz. vol. 195; p. 567.
- Tilleman, August L., Bakersfield, Cal. Cornet-mute. No. 1,064,183; June 10; Gaz. vol. 191; p. 382.
- Tilley, William H. (See Randall, John W., assignor.)
- Tillinghast, Wallace E., Worcester, Mass. Thermostatic attachment for steam-valves. No. 1,054,805; Mar. 4; Gaz. vol. 188; p. 52.
- Tillmanne, Carl W., assignor to Utica Cutlery Company, Utica, N. Y. Knife. No. 1,075,519; Oct. 14; Gaz. vol. 195; p. 348.
- Tillquist, Hugo T. (See Fagerlund, Erik A., assignor.)
- Tilson, Charles M., Wilkes-Barre, Pa. Drill. No. 1,068,374; July 22; Gaz. vol. 192; p. 947.
- Tilton, John W., Atlantic City, N. J. Curtain-fastener. No. 1,082,455; Dec. 23; Gaz. vol. 197; p. 961.
- Tilton and Tilton. (See Arndt, Walter R., assignor.)
- Tily, Stephen B., M. O. and J. G. Rehfuß, assignors to J. Wanamaker, Philadelphia, Pa. Cash-register. No. 1,058,645; Apr. 8; Gaz. vol. 189; p. 471.
- Tily, Stephen B., and J. G. and M. O. Rehfuß, assignors to John Wanamaker, Philadelphia, Pa. Card-punching machine. No. 1,061,883; May 13; Gaz. vol. 190; p. 483.
- Tim, Jacob, New York, N. Y. Cap. No. 1,061,884; May 13; Gaz. vol. 190; p. 484.
- Timberlake, Daniel T., Bayleyville, Kans. Traction-engine. No. 1,053,329; Feb. 18; Gaz. vol. 187; p. 584.
- Timby, Theodore G., Chicago, Ill. Producing lead hydrate. No. 1,056,382; Mar. 18; Gaz. vol. 188; p. 650.
- Timby, Theodore G., Chicago, Ill. Recovering lead and silver. No. 1,056,383; Mar. 18; Gaz. vol. 188; p. 650.
- Timm, Edward F., Freeport, Ill. Signal device. No. 1,055,000; Mar. 4; Gaz. vol. 188; p. 118.
- Timm, Johann M., Basel, Switzerland. Perforator with a device for reinforcing the punch-holes by adhesive strips in papers to be filed. No. 1,068,950; July 29; Gaz. vol. 192; p. 1188.
- Timmer, John N., Uniontown, Pa. Valved coupling. No. 1,073,719; Sept. 23; Gaz. vol. 194; p. 801.
- Timmerman, Arthur H. (See Robbins and Timmerman.)
- Timmins, Guy E., assignor of one-half to E. Rennert, Baltimore, Md. Combination pulling-jack. No. 1,064,400; June 10; Gaz. vol. 191; p. 456.
- Tingley, Egbert M., Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Dynamo-electric machine. No. 1,057,386; Mar. 25; Gaz. vol. 188; p. 1025.
- Tink, John H., Mordialloc, Victoria, Australia. Handle for kerosene-tins and the like. No. 1,081,344; Dec. 16; Gaz. vol. 197; p. 558.
- Tinker, David, Lawrence, and G. Boothroyd, Methuen, assignors of one-third to G. W. and S. E. Smith, Lawrence, Mass. Loom. No. 1,052,190; Feb. 4; Gaz. vol. 187; p. 121.
- Tinkham, Francis M., Springfield, Mass. Wire mattress. No. 1,070,083; Aug. 12; Gaz. vol. 193; p. 371.
- Tinnerman, George A., Cleveland, Ohio. Removable gas-burner for ovens. No. 1,062,670; May 27; Gaz. vol. 190; p. 832.
- Tint, Louis J., Chicago, Ill. Means for protecting the contents of receptacles. No. 1,072,674; Sept. 9; Gaz. vol. 194; p. 372.
- Tipp Building and Manufacturing Company, The. (See Ritter, Henry J., assignor.)
- Tips, Maurice, Brussels, Belgium. Valveless rotary combustion-engine. No. 1,051,290; Jan. 21; Gaz. vol. 186; p. 742.
- Tirapani, Alfredo C., Bologna, Italy. Revetment for protecting embankments and banks of streams and the like. No. 1,058,274; Apr. 8; Gaz. vol. 189; p. 346.
- Tironi, Carlo. (See Carboni and Tironi.)
- Tirrill, Leonard A., Lynn, Mass., assignor to General Electric Company. Belt-tightener. No. 1,074,562; Sept. 30; Gaz. vol. 194; p. 1108.
- Tisch, George C. L., L. Jr., and J. H., Elizabeth, N. J. Jacquard-link for knitting-machines. No. 1,059,918; Apr. 22; Gaz. vol. 189; p. 979.

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- Tisch, John H. (See Tisch, George C. L., L., Jr., and J. H.)
- Tisdale, Louis, Jr. (See Tisch, George C. L., L., Jr., and J. H.)
- Tischer, Frank V., Dayton, Ohio. Veneering process. No. 1,064,789; June 17; Gaz. vol. 191; p. 623.
- Tisdale, Denison A., Marshalltown, Iowa. Tank-heater. No. 1,055,684; Mar. 11; Gaz. vol. 188; p. 382.
- Tisdale, John L. (See Smith, Frederick H., assignor.)
- Tish, Clinton E., assignor of one-half to F. W. Loney, Democracy, Ohio. Pipe-wrench. No. 1,060,513; Apr. 29; Gaz. vol. 189; p. 1228.
- Tisher, Zachariah, and C. T. Litchfield, Spokane, Wash. Device for oiling the flanges of car-wheels. No. 1,057,299; Mar. 25; Gaz. vol. 188; p. 997.
- Tisne, Marcel H., assignor to A. Schrader's Son, Incorporated, New York, N. Y. Holder and attacher for feathers. No. 1,077,653; Nov. 4; Gaz. vol. 196; p. 142.
- Tissier, Teófilo, Buenos Aires, Argentina. Dowel. No. 1,073,182; Sept. 16; Gaz. vol. 194; p. 589.
- Titanium Alloy Manufacturing Company, The. (See Rossi, Auguste J., assignor.)
- Titanium Alloy Manufacturing Company, The. (See Rossi and Meredith, assignors.)
- Titanium Alloy Manufacturing Company, The. (See Schroeder, Christian M. E., assignor.)
- Titchener, Charles E., Binghamton, N. Y. Shifting bow for vehicle-tops. No. 1,065,189; June 17; Gaz. vol. 191; p. 752.
- Titcomb, George E., Philadelphia, Pa. Coal-screening tower. No. 1,056,472; Mar. 18; Gaz. vol. 188; p. 683.
- Titlow Waste Heat Power Company. (See Morgan, Edmund C., assignor.)
- Titlow Waste Heat Power Company. (See Morgan, John H., assignor.)
- Titus, Albert C., and C. Leeberg, Spokane, Wash. Sanitary garbage-can. No. 1,058,205; Apr. 8; Gaz. vol. 189; p. 322.
- Titus, Charles B. (See Williams, Titus, and Lindemuth.)
- Titus, Court C., and W. J. Barendscheer, Helena, Mont., assignors to New England Electro-Chemical Metals Company, Boston, Mass. Treating ores. No. 1,069,498; Aug. 5; Gaz. vol. 193; p. 143.
- Titus, Silas W., New York, N. Y. Apparatus for pumping. No. 1,069,353; Aug. 5; Gaz. vol. 193; p. 92.
- Titus, William N., Jr., Watertown, Mass. Screw-driver. No. 1,063,304; June 3; Gaz. vol. 191; p. 45.
- Tizley, Arthur J., assignor to E. F. Caldwell & Co., New York, N. Y. Mold for electrotyping processes. No. 1,063,749; June 3; Gaz. vol. 191; p. 200.
- Tjader, Richard, New York, N. Y. Shock-absorber for vehicles. No. 1,069,589; Aug. 5; Gaz. vol. 193; p. 172.
- Toben, Bernard J. (See Beam, Joseph J., assignor.)
- Tobey, Fred W., Grand Rapids, Mich. Desk-section for sectional bookcases. No. 1,064,110; June 10; Gaz. vol. 191; p. 356.
- Tobey, William L., Winthrop, Mass. Automobile. No. 1,059,579; Apr. 22; Gaz. vol. 189; p. 870.
- Tobey, William L., Winthrop, Mass. Rope-laying machine. No. 1,078,010; Nov. 11; Gaz. vol. 196; p. 295.
- Tobey, William L., Winthrop, Mass. Rope-laying machine. No. 1,078,073; Nov. 11; Gaz. vol. 196; p. 317.
- Tobias, Frank F., assignor of one-half to R. P. Inglis, Chicago, Ill. Fence-post. No. 1,063,142; May 27; Gaz. vol. 190; p. 987.
- Tobias, Hermann B., New York, N. Y. Photographic developing apparatus. No. 1,072,792; Sept. 9; Gaz. vol. 194; p. 413.
- Tobiasson, Tobias A., Irvington, N. J., assignor to Crane & Theurer. Chatelaine-brooch or the like. No. 1,075,131; Oct. 7; Gaz. vol. 195; p. 187.
- Tobin, Edward M., assignor to Trow & Holden Co., Barre, Vt. Bush-chisel. No. 1,066,064; July 1; Gaz. vol. 192; p. 56.
- Tobin, John J., assignor to Mead Cycle Company, Chicago, Ill. Support and lock for cycles. No. 1,060,649; May 6; Gaz. vol. 190; p. 29.
- Tobin, John W., New York, N. Y. Vehicle signaling apparatus. No. 1,059,012; Apr. 15; Gaz. vol. 189; p. 641.
- Tobin, Maurice, Marion, Ohio. Self-locking chain-coupling. No. 1,065,564; June 24; Gaz. vol. 191; p. 918.
- Tobin, Patric H., *et al.* (See Upshaw, Lucius L., assignor.)
- Tobin, Thomas J., Albany, N. Y., assignor to The Bryant Electric Company, Bridgeport, Conn. Strain-relief device. No. 1,065,190; June 17; Gaz. vol. 191; p. 752.
- Tobriner, Marion L., San Francisco, Cal. Liquid-mixer. No. 1,069,912; Aug. 12; Gaz. vol. 193; p. 313.
- Tocaceli, Tito, Rome, Italy. Illuminating-torch. No. 1,065,987; July 1; Gaz. vol. 192; p. 30.
- Toda, Sozaburo, New York, N. Y. Combined mixer and sifter. No. 1,062,059; May 20; Gaz. vol. 190; p. 586.
- Todd, Anna E., Orange, N. J. Hat-pin protector. No. 1,076,720; Oct. 28; Gaz. vol. 195; p. 845.
- Todd & Company, G. W. (See Todd and Tiefel, assignors.)
- Todd, H. Stanley. (See Anderson, Emil, assignor.)
- Todd, Henry B., Meriden, Conn. Eaves-trough hanger. No. 1,054,723; Mar. 4; Gaz. vol. 188; p. 23.
- Todd, James, Sewickley, Pa. Producing so-called ozonized air. No. 1,066,065; July 1; Gaz. vol. 192; p. 57.
- Todd, James, Sewickley, Pa. Explosive-engine. No. 1,076,172; Oct. 21; Gaz. vol. 195; p. 598.
- Todd, John C., Lawrenceburg, Tenn. Belt-tightener. No. 1,075,072; Oct. 7; Gaz. vol. 195; p. 167.
- Todd, John T., assignor to The Register Tracer System, Springfield, Ill. Tracer. No. 1,061,643; May 13; Gaz. vol. 190; p. 407.
- Todd, Libanus M., and C. G. Tiefel, assignors to G. W. Todd & Company, Rochester, N. Y. Printing apparatus. No. 1,061,508; May 13; Gaz. vol. 190; p. 359.
- Todd, Libanus M., and C. G. Tiefel, assignors to G. W. Todd & Company, Rochester, N. Y. Electrically-controlled check-protector. No. 1,062,748; May 27; Gaz. vol. 190; p. 856.
- Todd, Libanus M., and C. G. Tiefel, assignors to G. W. Todd & Company, Rochester, N. Y. Check-protector. No. 1,076,173; Oct. 21; Gaz. vol. 195; p. 599.
- Todhunter, Richard T., Barnesboro, Pa. Nut-lock. No. 1,055,836; Mar. 11; Gaz. vol. 188; p. 434.
- Todt, Frederick W., Elkhart, Ind., assignor to C. G. Conn Co. Brass wind musical instrument. No. 1,061,885; May 13; Gaz. vol. 190; p. 484.
- Todtenhaupt, Friedrich. (See Seifert and Todtenhaupt.)
- Toegel, Rudolf, Buffalo, N. Y. Line-reel. No. 1,058,925; Apr. 15; Gaz. vol. 189; p. 609.
- Toennes, Richard, Boonville, Mo. Apparatus for separating foreign materials from sand. No. 1,060,381; Apr. 29; Gaz. vol. 189; p. 1183.
- Toepper, Gerhart E., Washington, D. C. Water-heater. No. 1,060,959; May 6; Gaz. vol. 190; p. 138.
- Tolchin, Ruby, St. Louis, Mo. Ear-stud fastener. No. 1,080,735; Dec. 9; Gaz. vol. 197; p. 315.
- Toledo Computing Scale Company. (See Bancroft, James E., assignor.)
- Toledo Computing Scale Company. (See De Vilbiss, Allen, Jr., assignor.)
- Toledo Electric Welder Company, The. (See Pierce, Robert C., assignor.)
- Toledo Electric Welder Company, The. (See Warren, Frank, assignor.) (Reissue.)
- Toledo Glass Company, The. (See Bock, William E., assignor.)
- Toledo Parlor Furniture Company, The. (See Klopping, Adolph C., assignor.)
- Toledo Pipe Threading Machine Company, The. (See Vosper, William W., assignor.)
- Toledo Scale Company. (See De Vilbiss, Allen, Jr., assignor.)
- Toledo Scale Company. (See Duquette, Maxim A., assignor.)
- Toledo Scale Company. (See Wetzel, Lewis C., assignor.)
- Toles, Justin K., San Francisco, Cal. Revolving-endless-band oil-burner. No. 1,078,972; Nov. 18; Gaz. vol. 196; p. 658.
- Tollefson, Thomas G., *et al.* (See Mundigler, George L., assignor.)
- Tollerton, William J., Chicago, Ill. Car construction. No. 1,082,247; Dec. 23; Gaz. vol. 197; p. 891.
- Tollstam, Oscar W., assignor to J. N. Murray, Chicago, Ill. Card-case. No. 1,079,960; Dec. 2; Gaz. vol. 197; p. 13.
- Tolman, Scott H., Boston, Mass. Torch. No. 1,082,713; Dec. 30; Gaz. vol. 197; p. 1086.
- Tolputt, Herbert, Sheffield, England. Polishing mixture or composition. No. 1,057,187; Mar. 25; Gaz. vol. 188; p. 960.
- Toltz, Max, St. Paul, Minn. Ore-dock. No. 1,050,357; Jan. 14; Gaz. vol. 186; p. 387.
- Toltz, Max, St. Paul, Minn. Refrigerator-car. No. 1,057,391; Mar. 25; Gaz. vol. 188; p. 1026.
- Toltz, Max, St. Paul, Minn. Ore-dock. No. 1,077,205; Oct. 28; Gaz. vol. 195; p. 1009.
- Tombelaine, Alexander L., Villanuova-Minas, Spain. Miner's lamp. No. 1,055,001; Mar. 4; Gaz. vol. 188; p. 118.
- Tombyll, Thomas H., Montreal, Quebec, Canada. Decorticating-machine. No. 1,064,029; June 10; Gaz. vol. 191; p. 328.
- Tomkins, Alfred, Pittsburgh, Pa. Apparatus for arresting fumes. No. 1,057,783; Apr. 1; Gaz. vol. 189; p. 132.
- Tomkins, Calvin. (See Lange, William, assignor.)
- Tomlinson, Charles E., assignor to A. E. Parsons, trustee, Syracuse, N. Y. Means for holding record-receiving elements. (Reissue.) No. 1,3523; Feb. 4; Gaz. vol. 187; p. 207.
- Tomlinson, Charles E., Syracuse, assignor, by mesne assignments, to International Time Recording Company of New York, Endicott, N. Y. Card-holder for time-recorders. No. 1,069,303; Aug. 5; Gaz. vol. 193; p. 75.
- Tomlinson, Charles E., Syracuse, assignor, by mesne assignments, to International Time Recording Company of New York, Endicott, N. Y. Time-recording machine. No. 1,078,011; Nov. 11; Gaz. vol. 196; p. 295.
- Tomlinson, Charles E., Syracuse, assignor, by mesne assignments, to International Time Recording Company of New York, Endicott, N. Y. Time-recorder. No. 1,078,012; Nov. 11; Gaz. vol. 196; p. 296.

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- Tomlinson, Clarence L., Portland, Oreg., assignor to North-western Wheel & Wagon Company, Bellingham, Wash. Wheel. No. 1,057,300; Mar. 25; Gaz. vol. 188; p. 997.
- Tomlinson, Fenton, assignor of one-half to O. J. Winston, San Diego, Cal. Driving and releasing mechanism. No. 1,056,071; Mar. 18; Gaz. vol. 188; p. 546.
- Tomlinson, Royal D., assignor to Allis-Chalmers Company, Milwaukee, Wis. Steam-condensing apparatus. No. 1,058,392; Apr. 8; Gaz. vol. 189; p. 388.
- Tomlinson, Royal D., assignor to Allis-Chalmers Company, Milwaukee, Wis. Condenser air-pump. No. 1,058,646; Apr. 8; Gaz. vol. 189; p. 472.
- Tomlinson, William C., Butler, Ind. Shears-holder device. No. 1,054,370; Feb. 25; Gaz. vol. 187; p. 976.
- Tommasini, Antonio, New York, N. Y., assignor of one-half to M. E. Thornton, Hickory, N. C. Hydro-electric smelting. No. 1,050,255; Jan. 14; Gaz. vol. 186; p. 351.
- Tompkins, George N., Croton on Hudson, N. Y. Fastener. No. 1,071,825; Sept. 2; Gaz. vol. 194; p. 54.
- Tompkins, Oscar R., Asbury Park, N. J. Game. No. 1,069,741; Aug. 12; Gaz. vol. 193; p. 254.
- Tompkins, Ralph S. (See Parkinson and Tompkins.)
- Tonawanda Advertising Company. (See Redner, Frank A., assignor.)
- Tone, Frank J. (See Allen and Tone.)
- Tone, Frank J. (See Smith and Tone.)
- Tone, Frank J., assignor to The Carborundum Company, Niagara Falls, N. Y. Electric furnace. No. 1,054,371; Feb. 25; Gaz. vol. 187; p. 976.
- Tone, Frank J., assignor to The Carborundum Company, Niagara Falls, N. Y. Silicidizing articles containing carbon. No. 1,054,373; Feb. 25; Gaz. vol. 187; p. 977.
- Tone, Frank J., assignor to The Carborundum Company, Niagara Falls, N. Y. Refractory material. No. 1,078,525; Nov. 11; Gaz. vol. 196; p. 473.
- Tone, Frank J., and T. B. Allen, assignors to The Carborundum Company, Niagara Falls, N. Y. Silicidizing. No. 1,054,372; Feb. 25; Gaz. vol. 187; p. 977.
- Toney, Frederick A., Greenacres, Wash. Combination-planter. No. 1,081,345; Dec. 16; Gaz. vol. 197; p. 559.
- Tonkiewitz, Aleksander, Philadelphia, Pa. Washboiler. No. 1,060,298; Apr. 29; Gaz. vol. 189; p. 1154.
- Toogood, Herbert J., assignor to Robert Dempster & Sons, Limited, Elland, England. Means for heating vertical gas-retorts. No. 1,055,837; Mar. 11; Gaz. vol. 188; p. 434.
- Toole, John W., Bangor, Me. Hose-handler. No. 1,058,926; Apr. 15; Gaz. vol. 189; p. 610.
- Toon, Clifford, Christchurch, New Zealand. Means for temporarily closing gas-mains and the like. No. 1,066,343; July 1; Gaz. vol. 192; p. 155.
- Toope, Robert F., London, England. Incubator. No. 1,057,301; Mar. 25; Gaz. vol. 188; p. 998.
- Tooth, Louis F., London, England. Gas-burner. No. 1,057,302; Mar. 25; Gaz. vol. 188; p. 998.
- Tooth, Percy W., Leanstalk, Cal. Rule-pocket. No. 1,061,886; May 13; Gaz. vol. 190; p. 484.
- Topf, Ludwig, Erfurt, Germany. Apparatus for aerating grains or grain materials. No. 1,058,812; Apr. 15; Gaz. vol. 189; p. 569.
- Topf, Ludwig, Erfurt, Germany. Apparatus for treating malt, seeds, and the like. No. 1,079,153; Nov. 18; Gaz. vol. 196; p. 724.
- Toplis, William G., Philadelphia, Pa. Capsule-filling device. No. 1,064,568; June 10; Gaz. vol. 191; p. 513.
- Topp, Frank. (See Topp, William and F.)
- Topp, William and F., Granby, Quebec, Canada. Automatic fire-alarm. No. 1,057,784; Apr. 1; Gaz. vol. 189; p. 133.
- Töpper, Ernst, Kiel, Germany. Life-saving device. No. 1,070,639; Aug. 19; Gaz. vol. 193; p. 604.
- Toppi, Domenico A., New York, N. Y. Bill of fare. No. 1,068,609; July 29; Gaz. vol. 192; p. 1067.
- Topping Brothers. (See Crabb, Charles L., assignor.)
- Topping, Howell, Brooklyn, N. Y. Oil-sprinkling apparatus. No. 1,052,025; Feb. 4; Gaz. vol. 187; p. 63.
- Topping, John A., Chicago, Ill. Nailing-cleat. No. 1,066,959; July 8; Gaz. vol. 192; p. 396.
- Topton Foundry Company. (See Harpel, Benjamin F., assignor.)
- Torchiani, Harry, Chicago, Ill. Pitching-machine. No. 1,062,131; May 20; Gaz. vol. 190; p. 611.
- Torda, Ludwig, Wilksburg, Pa. Compensated dynamo-electric machine. No. 1,053,680; Feb. 18; Gaz. vol. 187; p. 705.
- Torday, Gustav, South Bethlehem, Pa. Gearing. No. 1,058,275; Apr. 8; Gaz. vol. 189; p. 346.
- Torday, Gustav, South Bethlehem, Pa. Projectile. No. 1,067,080; July 8; Gaz. vol. 192; p. 435.
- Torello, Pietro. (See Contenti, Filiberto, assignor.)
- Torgersen, Hjalmar, Ashby, Minn. Hay-rake. No. 1,064,569; June 10; Gaz. vol. 191; p. 514.
- Torian, William H., Waco, Tex. Fastening device. No. 1,071,190; Aug. 26; Gaz. vol. 193; p. 820.
- Torkington, Alfred W., London, England. Tire for the wheels of road-vehicles. No. 1,072,793; Sept. 9; Gaz. vol. 194; p. 414.
- Tornberg, Knut, Lynn, Mass., assignor to General Electric Company. Electrode. No. 1,057,016; Mar. 25; Gaz. vol. 188; p. 901.
- Torney, John H., assignor of one-third to A. C. Glaize and one-third to W. M. Eller, Washington, D. C. Recorder for use on vehicles. No. 1,050,872; Jan. 21; Gaz. vol. 186; p. 598.
- Torney, John H., assignor of one-third to H. Wilson and one-third to J. C. Rinehart, Washington, D. C. Rifling-machine. No. 1,067,285; July 15; Gaz. vol. 192; p. 544.
- Tornquest, Verner G., Calumet, Mich. Metallic railway-tie. No. 1,070,305; Aug. 12; Gaz. vol. 193; p. 448.
- Tornsjo, Gustaf E., St. Paul, Minn. Nutmeg-grater. No. 1,082,918; Dec. 30; Gaz. vol. 197; p. 1157.
- Torrance, Adam F., St. Louis, Mo. Armored glove. No. 1,055,838; Mar. 11; Gaz. vol. 188; p. 435.
- Torrance, William M., East Orange, N. J., assignor of one-half to W. Cunningham, Savannah, Ga. Filled-in construction. No. 1,067,950; July 22; Gaz. vol. 192; p. 801.
- Torvik, Alfred, Deloro, Ontario, assignor of one-fourth to E. N. Howell, Montreal, Quebec, and one-fourth to T. Melvaer, Deloro, Ontario, Canada. Nut-lock. No. 1,056,605; Mar. 18; Gaz. vol. 188; p. 730.
- Tosco, Agostino, and P. Salina, San Francisco, Cal. Flush-out valve. No. 1,079,036; Nov. 18; Gaz. vol. 196; p. 683.
- Toth, John, Joliet, Ill. Switch-throwing device. No. 1,071,826; Sept. 2; Gaz. vol. 194; p. 54.
- Toth, Steven, Corona, Cal. Wrench. No. 1,070,559; Aug. 19; Gaz. vol. 193; p. 578.
- Tothill, William S., Chicago, Ill. Merry-go-round. No. 1,073,449; Sept. 16; Gaz. vol. 194; p. 684.
- Totten Game & Toy Company. (See Totten, William H., assignor.)
- Totten, Thomas E., assignor of one-half to J. Schunck, Celina, Ohio. Hardy attachment for anvils. No. 1,058,276; Apr. 8; Gaz. vol. 189; p. 347.
- Totten, William H., assignor to Totten Game & Toy Company, Pittsburgh, Pa. Game-board. No. 1,052,771; Feb. 11; Gaz. vol. 187; p. 347.
- Tottle & Co., Wm. A. (See McMillan, Hugh P., assignor.)
- Touceda, Enrique A., and F. Chrysler, Albany, N. Y., assignors to said Touceda. Anti-rail-creeping device. No. 1,069,304; Aug. 5; Gaz. vol. 193; p. 75.
- Touchard, Victor J., Paris, France. Water-heating device. No. 1,072,274; Sept. 2; Gaz. vol. 194; p. 204.
- Tournier, Baptiste. (See Demorey and Tournier.)
- Tout, Edwin J. (See Teut, Sidney E., assignor.)
- Tout, Sidney E., assignor of one-half to E. J. Tout, Toronto, Ontario, Canada. Connecting means for locomotive pilots and footboards. No. 1,076,081; Oct. 21; Gaz. vol. 195; p. 568.
- Toutjian, Robert V., Los Angeles, Cal. Supporting device. No. 1,079,674; Nov. 25; Gaz. vol. 196; p. 931.
- Tower, Caleb E., assignor, by mesne assignments, to Barber-Colman Company, Rockford, Ill. Bobbin-clearer. No. 1,070,751; Aug. 19; Gaz. vol. 193; p. 643.
- Tower, Edwin B. H., Jr., assignor to The Cutler-Hammer Mfg. Co., Milwaukee, Wis. Motor-controller. No. 1,060,299; Apr. 29; Gaz. vol. 189; p. 1154.
- Tower, Justus D., Jr., Mendota, Ill. Attachment for steering-gear of automobiles. No. 1,064,111; June 10; Gaz. vol. 191; p. 357.
- Tower Manufacturing & Novelty Co. (See O'Brien, John J., assignor. (Reissue.)
- Tower, Walter S. (See Frauz, Tower, and Wells.)
- Towers, Ford T. (See Flagg and Towers.)
- Towers & Sullivan Manufacturing Co. (See Word, Arthur M., assignor.)
- Towle, Charles R. (See Webster and Towle.)
- Towle, George C., Dayton, Ohio. Car-truck. No. 1,061,146; May 6; Gaz. vol. 190; p. 201.
- Towle, George C., Dayton, Ohio. Car-truck. No. 1,074,479; Sept. 30; Gaz. vol. 194; p. 1082.
- Towle, Gustavus A. (See Northrop and Towle.)
- Towle, Joseph H., assignor to Ohmer Fare Register Company, Dayton, Ohio. Actuating device for fare-registers. No. 1,067,156; July 8; Gaz. vol. 192; p. 462.
- Towne, Omar A. (See Simond, Walter A., assignor.)
- Townend, Thomas, Winnipeg, Manitoba, Canada. Attachment to wheels. No. 1,062,618; May 27; Gaz. vol. 190; p. 815.
- Townend, William, Philadelphia, Pa., assignor to Richards, Atkinson & Haserick, Boston, Mass. Shuttle. No. 1,062,060; May 20; Gaz. vol. 190; p. 586.
- Towner, Henry C., Bellaire, Ohio. Music-leaf turner. No. 1,077,108; Oct. 28; Gaz. vol. 195; p. 979.
- Towner, Orrin, Creston, British Columbia, Canada. Neck-yoke. No. 1,073,943; Sept. 23; Gaz. vol. 194; p. 876.
- Townley, Charles E., Dryden, N. Y. Thill-coupling. No. 1,062,671; May 27; Gaz. vol. 190; p. 832.
- Townsan, Charles F., Mitchell, S. D. Electric horn. No. 1,078,013; Nov. 11; Gaz. vol. 196; p. 296.
- Townsend, Abraham L., Iola, Kans. Obstetrical instrument. No. 1,063,750; June 3; Gaz. vol. 191; p. 200.
- Townsend, Charles F., et al. (See Swann, Charles, assignor.)
- Townsend, Charles H., G. E. Colling, and D. W. Ligon, Winchester, Ill. Clamping-bar for wire-stretchers. No. 1,055,102; Mar. 4; Gaz. vol. 188; p. 152.
- Townsend, Clinton P., et al. (See Friedberger, Otto, assignor.)

Alphabetical list of patentees—Continued.

- Townsend, Cortez W., Canton, Ohio. Roll-polisher. No. 1,072,195; Sept. 2; Gaz. vol. 194; p. 179.
- Townsend, David. (See Melas, William, assignor.)
- Townsend, David, Philadelphia, Pa. Retort. No. 1,068,610; July 29; Gaz. vol. 192; p. 1067.
- Townsend, George A., Jr., Fort Wayne, Ind., assignor to F. L. Maytag. Mausoleum. No. 1,050,256; Jan. 14; Gaz. vol. 186; p. 351.
- Townsend, George H., II, Haverford, Pa. Procrastinator's calendar. No. 1,070,084; Aug. 12; Gaz. vol. 193; p. 371.
- Townsend, Harry P. (See Bowers and Townsend.)
- Townsend, Harry P., Waterbury, Conn. Riveting-machine. No. 1,064,570; June 10; Gaz. vol. 191; p. 514.
- Townsend, Harry P., assignor to The E. J. Manville Machine Company, Waterbury, Conn. Machine for making wood-screws. No. 1,053,244; Feb. 18; Gaz. vol. 187; p. 554.
- Townsend, Harry P., assignor to The E. J. Manville Machine Company, Waterbury, Conn. Tooling-machine. No. 1,058,813; Apr. 15; Gaz. vol. 189; p. 569.
- Townsend, Isaac W., Teague, Tex. Pneumatic tool. No. 1,062,749; May 27; Gaz. vol. 190; p. 857.
- Townsend, James R. (See Duryea and White, assignors.)
- Townsend, S. L., *et al.* (See Larnee, John B., assignor.)
- Townshend, Helen T., Berkeley, Cal. Refuse-disposal apparatus. No. 1,071,535; Aug. 26; Gaz. vol. 193; p. 935.
- Tozer, Archibald B., Erie, Pa., assignor to The Sabiu-Curtis Machine Company, Cleveland, Ohio. Glove shaping and setting device. No. 1,079,730; Nov. 25; Gaz. vol. 196; p. 951.
- Tozer, Luke, Iola, Kans. Oil-burner. No. 1,073,306; Sept. 16; Gaz. vol. 194; p. 634.
- Tozer, Luke, Iola, Kans. Oil-burner. No. 1,081,994; Dec. 23; Gaz. vol. 197; p. 804.
- Tozzer, Arthur C., Lynn, Mass. Reinforced-concrete building construction. No. 1,049,420; Jan. 7; Gaz. vol. 186; p. 35.
- Trabue, Luther, Girard, Ill. Door-hanger. No. 1,064,875; June 17; Gaz. vol. 191; p. 651.
- Tracey, Ernest C. (See Gross, Angus R., assignor.)
- Trachte, Arthur F. and G. A., Madison, Wis. Tank-heater. No. 1,061,147; May 6; Gaz. vol. 190; p. 201.
- Trachte, George A. (See Trachte, Arthur F. and G. A.)
- Tracy, Edward A., Boston, Mass. Arch-support. No. 1,053,549; Feb. 18; Gaz. vol. 187; p. 660.
- Tracy, Harris A., Boston, Mass. Folding bed. No. 1,080,867; Dec. 9; Gaz. vol. 197; p. 362.
- Tracy, J. Everts. (See Richards, Hubert P., assignor.)
- Tradescot, Daniel A., Priceburg, Pa. Spike for base-ball shoes. No. 1,072,794; Sept. 9; Gaz. vol. 194; p. 414.
- Träger, Karl, assignor to Pyramiden-Fliegenfängerfabrik Max Dametz, Zeitz, Germany. Fly-trap hanger. No. 1,071,041; Aug. 26; Gaz. vol. 193; p. 770.
- Trah, Henry J., Chicago, Ill. Hat-brush. No. 1,077,654; Nov. 4; Gaz. vol. 196; p. 143.
- Traban, Camille, New Bedford, Mass. Railway-signal. No. 1,060,798; May 6; Gaz. vol. 190; p. 79.
- Trainer, Frank M., Weymouth, Mass., assignor to United Shoe Machinery Company, Paterson, N. J. Channel-opening machine. No. 1,075,876; Oct. 14; Gaz. vol. 195; p. 470.
- Tramel, Charles, Hotchkiss, Colo. Wagon-bolster. No. 1,081,346; Dec. 16; Gaz. vol. 197; p. 559.
- Trammell, Erasmus R., Lakeland, Fla. Switch-target. No. 1,054,474; Feb. 25; Gaz. vol. 187; p. 1012.
- Tran, Frank J., Cleveland, Ohio, and F. Cais, Denver, Colo. Workman's time-recorder. No. 1,074,822; Oct. 7; Gaz. vol. 195; p. 80.
- Tranchant, Frank A., *et al.* (See Gundersen, Gilbert S., assignor.)
- Trane, James A., La Crosse, Wis. Heating system. No. 1,062,061; May 20; Gaz. vol. 190; p. 586.
- Transom Draft Gear Company. (See Pfäfer, Harry M., assignor.)
- Transom Draft Gear Company. (See Shallenberger, Charles S., assignor.)
- Transom Draft Gear Company. (See Westlake, Charles T., assignor.)
- Trau, Johannes, Dresden, Germany. Process of producing polychrome photographs and apparatus therefor. No. 1,069,830; Aug. 12; Gaz. vol. 193; p. 285.
- Traub, Aladar, assignor to Patria-Papier-Gesellschaft m. b. H., Vienna, Austria-Hungary. Fastener for paper bags and the like. No. 1,069,044; July 29; Gaz. vol. 192; p. 1218.
- Traube, Wilhelm, Berlin, Germany. Manufacture of cellulose solutions. No. 1,064,260; June 10; Gaz. vol. 191; p. 408.
- Traus, Johannes A. M., Rotterdam, Netherlands. Electric-lamp switch. No. 1,075,953; Oct. 14; Gaz. vol. 195; p. 496.
- Traut & Hine Manufacturing Company, The. (See Hine, Henry C., assignor.)
- Traut & Hine Manufacturing Company, The. (See Humphrey, Ernest N., assignor.)
- Traut & Hine Manufacturing Company, The. (See Humphrey and Goodrich, assignors.)
- Trauth, Walter, assignor of one-half to C. H. Fuller, New York, N. Y. Rivet-catching receptacle. No. 1,058,117; Apr. 8; Gaz. vol. 189; p. 292.
- Traver, Adelbert L., Philmont, N. Y. Machine for sewing looped fabrics. No. 1,054,724; Mar. 4; Gaz. vol. 188; p. 24.
- Traver, Harry G., Woodcliff Lake, N. J., assignor to Park Engineering Company, New York, N. Y. Amusement device. No. 1,065,642; June 24; Gaz. vol. 191; p. 944.
- Travers, Charles J., Chicago, Ill. Chair. No. 1,065,908; June 24; Gaz. vol. 191; p. 1035.
- Travers, William J., Olinda, Cal. Well-drilling apparatus. No. 1,076,469; Oct. 21; Gaz. vol. 195; p. 703.
- Traversaro, Ignatius, San Francisco, Cal. Attachment for pianos. No. 1,073,944; Sept. 23; Gaz. vol. 194; p. 876.
- Traves, Webster F., assignor to W. H. Becker, Cleveland, Ohio. Starting device for explosion-engines. No. 1,064,942; June 17; Gaz. vol. 191; p. 672.
- Travis, Charles S. (See Cazier, Perry H., assignor.)
- Travis, Don C., assignor to The Simmons Manufacturing Company, Kenosha, Wis. Spring-seat. No. 1,051,466; Jan. 28; Gaz. vol. 186; p. 834.
- Travis, Don C., and F. Blackmer, assignors to Simmons Manufacturing Company, Kenosha, Wis. Folding couch. No. 1,050,873; Jan. 21; Gaz. vol. 186; p. 599.
- Travis, Don Carlos, assignor to The Simmons Manufacturing Company, Kenosha, Wis. Spring-mattress frame. No. 1,071,827; Sept. 2; Gaz. vol. 194; p. 55.
- Travis, William O., Hampton, and E. Ault, Bromley, England, assignors to Sterilization Company. Purifying sewage or the like. No. 1,076,721; Oct. 28; Gaz. vol. 195; p. 846.
- Traxel, Charles E., assignor to Rome Wire Company, Rome, N. Y. Braiding-machine. No. 1,058,206; Apr. 8; Gaz. vol. 189; p. 323.
- Traylor, Bruce W., Allentown, Pa., assignor to Traylor Engineering & Manufacturing Company, Crusher. No. 1,062,520; May 20; Gaz. vol. 190; p. 740.
- Traylor Engineering & Manufacturing Company. (See Traylor, Bruce W., assignor.)
- Traylor, Ferdinand C., Nashville, Tenn. Safety-razor. No. 1,069,831; Aug. 12; Gaz. vol. 193; p. 286.
- Trayne, John H., Groton, Mass. Tooth-brush holder and sterilizer. No. 1,070,858; Aug. 19; Gaz. vol. 193; p. 676.
- Trayne, John H., Groton, Mass., assignor to Elma Mfg. Co. Tooth-brush holder. No. 1,079,618; Nov. 25; Gaz. vol. 196; p. 913.
- Treadgold, George H., Port Huron, Mich. Tank-gage. No. 1,065,283; June 17; Gaz. vol. 191; p. 784.
- Treadwell, Claude M., assignor of one-half to C. Bauer, London, England. Device for practising golf-putting. No. 1,076,722; Oct. 28; Gaz. vol. 195; p. 846.
- Treadwell, Victor A., Detroit, Mich. Berth. No. 1,073,002; Sept. 9; Gaz. vol. 194; p. 491.
- Treat, Charles H., Detroit, Mich., assignor, by mesne assignments, to American Blower Company, Green Island, N. Y. Air-propelling mechanism. No. 1,051,852; Jan. 28; Gaz. vol. 186; p. 903.
- Trecker, Theodore. (See Kearney and Trecker.)
- Tredwell, Charles A., assignor to The Horton Manufacturing Company, Bristol, Conn. Telescopic fishing-rod. No. 1,064,030; June 10; Gaz. vol. 191; p. 329.
- Trees, Samuel A. (See Griffith, Charles W., assignor.)
- Trefethen, Charles G., Erie, Pa., assignor to Modern Tool Company. Micrometer-feed for tools. No. 1,066,166; July 1; Gaz. vol. 192; p. 92.
- Trefethen, Charles G., Erie, Pa., assignor to Modern Tool Company. Grinding-machine. No. 1,066,167; July 1; Gaz. vol. 192; p. 93.
- Trefethen, Charles G., assignor to Modern Tool Company, Erie, Pa. Graduating-machine. No. 1,079,306; Nov. 18; Gaz. vol. 196; p. 773.
- Treffers, Pieter. (See Roth, Samuel, assignor.)
- Trego, Frank H., assignor to Packard Motor Car Company, Detroit, Mich. Hydrocarbon-motor. No. 1,073,183; Sept. 16; Gaz. vol. 194; p. 589.
- Tregoning Electric Manufacturing Company, The. (See Tregoning, William C., assignor.)
- Tregoning, William C., assignor to The Tregoning Electric Manufacturing Company, Cleveland, Ohio. Means for fastening electric-lamp sockets. No. 1,075,612; Oct. 14; Gaz. vol. 195; p. 381.
- Tregoning, William C., assignor to The Tregoning Electric Manufacturing Company, Cleveland, Ohio. Socket and terminal connection for electric lamps. No. 1,075,613; Oct. 14; Gaz. vol. 195; p. 381.
- Tregoning, William C., assignor to The Tregoning Electric Manufacturing Company, Cleveland, Ohio. Electric-lamp socket. No. 1,082,181; Dec. 23; Gaz. vol. 197; p. 867.
- Treibacher Chemische Werke Gesellschaft mit beschränkter Haftung. (See Ganz, Charles, assignor.)
- Treiber, Theodore R., Kansas City, Mo. Bed. No. 1,052,698; Feb. 11; Gaz. vol. 187; p. 324.
- Treiber, Theodore R., Kansas City, Mo. Lift for cue-racks. No. 1,066,555; July 8; Gaz. vol. 192; p. 257.
- Treier, Oscar, Brooklyn, N. Y. Engine valve mechanism. No. 1,063,477; June 3; Gaz. vol. 191; p. 103.

Alphabetical list of patentees—Continued.

- Treier, Oscar, New York, N. Y. Engine valve mechanism. No. 1,063,897; June 3; Gaz. vol. 191; p. 248.
- Treitl, Heinrich, Charlottenburg, Germany, assignor to General Electric Company. Tapped turbine. No. 1,063,622; June 3; Gaz. vol. 191; p. 156.
- Tremaine, Edward G., Hackensack, assignor to Automatic Weighing Machine Company, Newark, N. J. Automatic weighing apparatus. No. 1,070,306; Aug. 12; Gaz. vol. 193; p. 449.
- Trembley, Louis E. (See Longstaff and Trembley.)
- Tremmel Art Glass Works, The. (See Tremmel, George M., assignor.)
- Tremmel, George M., assignor to The Tremmel Art Glass Works, Two Rivers, Wis. Glass-beveling machine. No. 1,049,550; Jan. 7; Gaz. vol. 186; p. 79.
- Tremmel, George M., assignor to The Tremmel Art Glass Works, Two Rivers, Wis. Machine for finishing the edges of plate-glass. No. 1,074,141; Sept. 30; Gaz. vol. 194; p. 970.
- Tremoulet, Joseph C. (See Merritt, Paul G., assignor.)
- Tremoulhac, Joseph, St.-Étienne, France. Coffee-roaster. No. 1,064,943; June 17; Gaz. vol. 191; p. 672.
- Trempe, William J. (See Hooker and Trempe.)
- Trench, Walter I., and A. G. Zepp, Baltimore, Md. Ball-last-cleaner. No. 1,074,142; Sept. 30; Gaz. vol. 194; p. 971.
- Trent, Lamartine C., Los Angeles, Cal. Apparatus for separating solids from liquid solutions. No. 1,056,233; Mar. 18; Gaz. vol. 188; p. 602.
- Trent, Walter E., Reno, Nev. Mucking apparatus. No. 1,073,184; Sept. 16; Gaz. vol. 194; p. 589.
- Trent, Walter E., Reno, Nev. Agitating and mixing apparatus. No. 1,073,878; Sept. 23; Gaz. vol. 194; p. 853.
- Trentham, Thomas T. (See Rollings, Sweeney, Nelson, and Trentham.)
- Trentowsky, Albert E., St. John, New Brunswick, Canada. Cooking utensil. No. 1,065,191; June 17; Gaz. vol. 191; p. 752.
- Trenzen, Carl, Cologne-Braunsfeld, Germany. Rendering insufficiently-ductile metals ductile. No. 1,074,993; Oct. 7; Gaz. vol. 195; p. 137.
- Trepa, Stanislaw, Syracuse, N. Y. Elevator. No. 1,057,303; Mar. 25; Gaz. vol. 188; p. 998.
- Trepel, Casper C., New York, N. Y. Flower-holder. No. 1,057,017; Mar. 25; Gaz. vol. 188; p. 901.
- Treppa, Joseph J. (See Binsfeld, Louis E., assignor.)
- Treptow, August, assignor of one-half to R. C. Dudley, Chicago, Ill. Ridge-brace for box-cars. No. 1,070,210; Aug. 12; Gaz. vol. 193; p. 416.
- Trescott, Charles B., assignor of one-half to J. Allerdice, Indianapolis, Ind. Pickling meats. No. 1,052,862; Feb. 11; Gaz. vol. 187; p. 379.
- Treude, Friedrich, Ladspe, Germany. Tin seal. No. 1,067,081; July 8; Gaz. vol. 192; p. 435.
- Trevillion, Edward E., Newellton, La. Nut-lock. No. 1,050,577; Jan. 14; Gaz. vol. 186; p. 465.
- Trevillion, Edward E., Newellton, La. Nut-lock. No. 1,072,275; Sept. 2; Gaz. vol. 194; p. 204.
- Trewbella, Benjamin H., Birmingham, England. Metallic rope-fitting. No. 1,073,720; Sept. 23; Gaz. vol. 194; p. 801.
- Trewhitt, Martin, Ottawa, Ontario, Canada. Brooder. No. 1,051,784; Jan. 28; Gaz. vol. 186; p. 939.
- Tri-Eye Hook & Eye Company. (See Marquand, Philip, assignor.)
- Tribble, William, Alton, Ill., assignor of one-fifth to J. R. Durban, Webster Groves, Mo. Annunciator and signal system. No. 1,052,389; Feb. 4; Gaz. vol. 187; p. 185.
- Trier and Martin Limited. (See Hill, Abner, assignor.)
- Trieschmann, Luther H., assignor of one-half to F. W. Westervelt, Hartford, Conn. Swivel-holder for razor-strops. No. 1,061,250; May 6; Gaz. vol. 190; p. 235.
- Trigg, Emma L., Nashville, Tenn. Shoulder-brace. No. 1,050,257; Jan. 14; Gaz. vol. 186; p. 352.
- Triggs, William S., Jr., Clara, Miss. Rotary steam-engine. No. 1,057,900; Apr. 1; Gaz. vol. 189; p. 172.
- Trick, William J., Hamilton, Ohio. Cupola. No. 1,080,241; Dec. 2; Gaz. vol. 197; p. 113.
- Trill, William L. (See Sheperdson, John W., assignor.)
- Trimble, Alexander F. (See Moffat, William Y., assignor.)
- Trimble, Edward M., Rochester, N. Y. Convertible crib and coop. No. 1,079,675; Nov. 25; Gaz. vol. 196; p. 931.
- Trimble, Joseph M., assignor of one-half to W. K. Burton, Memphis, Tenn. Chewing-gum. No. 1,078,564; Nov. 11; Gaz. vol. 196; p. 485.
- Trimborn, Conrad, Milwaukee, Wis. Metal piling structure. No. 1,074,665; Oct. 7; Gaz. vol. 195; p. 27.
- Trimmer, Frank W. (See Macklin and Trimmer.)
- Trimont Manufacturing Company. (See Whitfield, Arthur J., assignor.)
- Trinder, Claude E., Manlius, N. Y. Valve. No. 1,080,791; Dec. 9; Gaz. vol. 197; p. 335.
- Trinks, Franz, Brunswick, Germany. Calculating-machine. No. 1,051,785; Jan. 28; Gaz. vol. 186; p. 940.
- Trinks, Franz, Brunswick, Germany. Calculating-machine. No. 1,072,324; Sept. 2; Gaz. vol. 194; p. 220.
- Trinks, Franz, Brunswick, Germany. Calculating-machine. No. 1,075,073; Oct. 7; Gaz. vol. 195; p. 168.
- Trinks, Franz, Brunswick, Germany. Calculating-machine. No. 1,081,172; Dec. 9; Gaz. vol. 197; p. 462.
- Trinks, Franz, Brunswick, Germany. Calculating-machine. No. 1,081,791; Dec. 16; Gaz. vol. 197; p. 706.
- Triolo, Joseph, Brooklyn, N. Y. Non-refillable bottle. No. 1,076,532; Oct. 21; Gaz. vol. 195; p. 726.
- Triple "A" Machine Company. (See Anderson, Emil W., assignor.)
- Triplett, James, assignor of one-half to A. D. Patteson, Columbia, Ky. Manuscript-holder. No. 1,080,502; Dec. 2; Gaz. vol. 197; p. 204.
- Triplett, Ray L., assignor, by mesne assignments, to The Diller Manufacturing Company, Bluffton, Ohio. Electrical measuring instrument. No. 1,072,531; Sept. 9; Gaz. vol. 194; p. 322.
- Tripp, Eliphalet A., Beverly, Mass., assignor to United Shoe Machinery Company, Paterson, N. J. Heel-building machine. No. 1,056,720; Mar. 18; Gaz. vol. 188; p. 769.
- Tripp, Eliphalet A., Beverly, Mass., assignor to United Shoe Machinery Company, Paterson, N. J. Heel-attaching machine. No. 1,081,917; Dec. 16; Gaz. vol. 197; p. 748.
- Tripp, Fred, Mount Carroll, Ill. Neck-yoke keeper. No. 1,052,699; Feb. 11; Gaz. vol. 187; p. 324.
- Tripp, Harry G., Auburn, N. Y. Oil-guard for pulleys. No. 1,055,574; Mar. 11; Gaz. vol. 188; p. 344.
- Tripp, Henry C., assignor of one-half to D. E. French, Auburn, N. Y. Tire. No. 1,055,573; Mar. 11; Gaz. vol. 188; p. 344.
- Tripp, William E., New Bedford, Mass. Timber pocket and plate. No. 1,074,823; Oct. 7; Gaz. vol. 195; p. 80.
- Triquet, Paul G., Paris, France. Process and device for lighting submerged ultra-violet-ray sterilizing-lamps. No. 1,059,786; Apr. 22; Gaz. vol. 189; p. 938.
- Triquet, Paul G., Paris, France. Base for electric incandescent lamps. No. 1,064,571; June 10; Gaz. vol. 191; p. 514.
- Trisler, Samuel E., Dayton, Ohio. Lamp. No. 1,081,875; Dec. 16; Gaz. vol. 197; p. 735.
- Trist, Arthur R., London, England. Feed-water regulator for steam-boilers and the like. No. 1,065,565; June 24; Gaz. vol. 191; p. 919.
- Tritico, Leonard, Stone City, Tex. Rail device. No. 1,057,304; Mar. 25; Gaz. vol. 188; p. 998.
- Triumph Electric Company, The. (See Sensius, Sebastian, assignor.)
- Triumph Electric Company, The. (See Thullen and Willey, assignors.)
- Triumph Voting Machine Company. (See Abbott, Charles C., assignor.)
- Triumph Voting Machine Company. (See Christensen, Christ, assignor.)
- Triumph Voting Machine Company. (See Dean, James H., assignor.)
- Triumph Voting Machine Company. (See Lausterer, William J., assignor.)
- Triumph Voting Machine Company. (See Winslow, Lenna R., assignor.)
- Troeller, Wilhelm, Frankfort-on-the-Main, Germany. Treating ores and metallurgical products. No. 1,063,611; July 29; Gaz. vol. 192; p. 1068.
- Troelson, Rasmus, Irwin, Nebr. Attachment for mowing-machines. No. 1,063,305; June 3; Gaz. vol. 191; p. 46.
- Troetel Burglar Alarm-Lock Company. (See Troetel, Elias, assignor.)
- Troetel, Elias, New York, N. Y., assignor to Troetel Burglar Alarm-Lock Company. Safety attachment for doors. No. 1,054,151; Feb. 25; Gaz. vol. 187; p. 901.
- Troetel, Elias, New York, N. Y., assignor to Troetel Burglar Alarm-Lock Company. Combined door-fastener and alarm. No. 1,054,152; Feb. 25; Gaz. vol. 187; p. 901.
- Troetel, Elias, New York, N. Y., assignor to Troetel Burglar Alarm-Lock Company. Auxiliary-bolt sash-fastener. No. 1,061,509; May 13; Gaz. vol. 190; p. 360.
- Trogon, George D., Toccoa, Ga. Sanding-machine. No. 1,064,572; June 10; Gaz. vol. 191; p. 515.
- Tröger, Richard, Charlottenburg, Germany, assignor to General Electric Company. Governing mechanism for centrifugal compressors. No. 1,076,332; Oct. 21; Gaz. vol. 195; p. 654.
- Trojan Machine Company. (See Scovill, James P., assignor.)
- Trollhättans Elektrothermiska Aktiebolag. (See Olausson, Karl O. E., assignor.)
- Trombetti, Agostino, Condove, Italy. Automatic coupling for railway and tramway cars or wagons. No. 1,056,958; Mar. 25; Gaz. vol. 188; p. 881.
- Trompeter, George, Clearwater, Kans. Agricultural machine. No. 1,073,373; Sept. 16; Gaz. vol. 194; p. 657.
- Trompeter, George, Clearwater, Kans. Land-roller. No. 1,075,676; Oct. 14; Gaz. vol. 195; p. 402.
- Trone, George W., Rushville, Ill. Disk-sharpener. No. 1,069,499; Aug. 5; Gaz. vol. 193; p. 143.
- Trood, Samuel, Pittsburgh, Pa., assignor to The Bryant Electric Company, Bridgeport, Conn. Attachment-plug. No. 1,049,945; Jan. 7; Gaz. vol. 186; p. 212.

Alphabetical list of patentees—Continued.

- Trood, Samuel, New York, N. Y., assignor, by mesne assignments, to Plug Connection Electric Company. Lamp-socket. No. 1,054,652; Feb. 25; Gaz. vol. 187; p. 1072.
- Trood, Samuel, New York, N. Y., assignor, by mesne assignments, to Plug Connection Electric Company. Electric chandelier. No. 1,062,619; May 27; Gaz. vol. 190; p. 816.
- Troppman, Charles J., Chicago, Ill., assignor to F. A. Hardy and Company. Mounting for spectacles and eyeglasses. No. 1,078,973; Nov. 18; Gaz. vol. 196; p. 659.
- Trostel, John H., Marion, Ind. Thill-tug. No. 1,059,410; Apr. 22; Gaz. vol. 189; p. 812.
- Trott, Maynard J., Colorado Springs, assignor to The Dorr Cyanide Machinery Company, Denver, Colo. Cleaning screens, filtering fabrics, and the like. No. 1,052,191; Feb. 4; Gaz. vol. 187; p. 121.
- Trott, Rolland S., Denver, Colo. Rotary valve for explosive-engines. No. 1,067,286; July 15; Gaz. vol. 192; p. 545.
- Trotter, Edgar H., Columbus, Ohio. Radiator. No. 1,057,988; Apr. 1; Gaz. vol. 189; p. 202.
- Trotter, Edgar H., Columbus, Ohio. Gas-furnace. No. 1,062,521; May 20; Gaz. vol. 190; p. 740.
- Trotter, Eugene T., Brooklyn, N. Y. Covering for electric conductors and preparing the same. No. 1,067,951; July 22; Gaz. vol. 192; p. 801.
- Trottier, René E., Puteaux, France. Classifier for solid material. No. 1,074,301; Sept. 30; Gaz. vol. 194; p. 1023.
- Trout, Walter C., Lufkin, Tex. Dipping-tank for lumber. No. 1,052,985; Feb. 11; Gaz. vol. 187; p. 422.
- Trow & Holden Co. (See Tobin, Edward M., assignor.)
- Troxell, George R. (See Troxell, Leslie W. and G. R.)
- Troxell, Leslie W. and G. R., Philadelphia, Pa. Mail-bag-catching apparatus. No. 1,068,286; July 22; Gaz. vol. 192; p. 918.
- Troxell, Willoughby H. (See Frantz and Troxell.)
- Troy Laundry Machinery Company. (See Bartholomew, William, assignor.)
- Troyer, Frank, Nampa, Idaho. Trap-door lifter. No. 1,073,003; Sept. 9; Gaz. vol. 194; p. 491.
- Truax, George E., Inglewood, Cal. Ore-car. No. 1,055,575; Mar. 11; Gaz. vol. 188; p. 344.
- Truchot, Paul. (See Taraud and Truchot.)
- Trudeau, Louis, Pittsfield, Mass. Scrubber. No. 1,067,889; July 22; Gaz. vol. 192; p. 781.
- Truesdell, Joseph A., assignor of one-half to F. H. Lexow, Indianapolis, Ind. Excavating apparatus. No. 1,066,683; July 8; Gaz. vol. 192; p. 302.
- Truett, Henry B. (See McLaughlin, Andrew C., assignor.)
- Trufant, Walter E., Whitman, Mass., assignor to Hartford Suspension Company, New York, N. Y. Spring-governor for vehicles. No. 1,054,057; Feb. 25; Gaz. vol. 187; p. 869.
- Truitt, John T., St. Louis, Mo. Collar-ironing apparatus. No. 1,069,988; Aug. 12; Gaz. vol. 193; p. 338.
- Trujillo, Jose T., Malachite, Colo. Bridge. No. 1,064,876; June 17; Gaz. vol. 191; p. 651.
- Trull, Clarence A. (See Trull, Harvey L., assignor.)
- Trull, Harvey L., Mart, assignor of one-half to C. A. Trull, Waco, Tex. Animal-trap. No. 1,072,675; Sept. 9; Gaz. vol. 194; p. 372.
- Trull, Lyman A., Manchester, N. H. Wave-motion motor. No. 1,078,323; Nov. 11; Gaz. vol. 196; p. 404.
- Trull, Lyman A., Manchester, N. H. Wave-motor. No. 1,078,324; Nov. 11; Gaz. vol. 196; p. 405.
- Truman, Ernest, Toledo, Ohio, assignor to Bates Valve Bag Company, Chicago, Ill. Ring-forming machine. No. 1,071,370; Aug. 26; Gaz. vol. 193; p. 881.
- Truman, Ernest, and A. Tietz, Toledo, assignors, by mesne assignments, to Bates Valve Bag Company, Cleveland, Ohio. Bag-tie machine. No. 1,079,075; Nov. 18; Gaz. vol. 196; p. 697.
- Truman, Percival H., Evanston, Ill., assignor to Laas & Sponenburg Co. Device for preventing the spread of railway-rails. No. 1,060,037; Apr. 29; Gaz. vol. 189; p. 1064.
- Trumble, Milton J., Los Angeles, Cal., assignor to Trumble Refining Company. Process of refining petroleum or similar oils and apparatus for carrying on this process. No. 1,070,361; Aug. 12; Gaz. vol. 193; p. 467.
- Trumble Refining Company. (See Trumble, Milton J., assignor.)
- Trumbull Electric Manufacturing Company. (See Clark, Charles A., assignor.)
- Trumbull Electric Manufacturing Company, The. (See Fisher, Harry A., assignor.)
- Trumbull Electric Manufacturing Company, The. (See Sutherland, Alexander K., assignor.)
- Trumper, Frederick J., Cleveland, Ohio. Self-binding cover for unbound matter. No. 1,052,531; Feb. 11; Gaz. vol. 187; p. 267.
- Trumper, Jessie S., Cleveland, Ohio. Self-binding cover for pamphlets and papers. No. 1,052,532; Feb. 11; Gaz. vol. 187; p. 267.
- Trumper, Samuel, New York, N. Y. Cigarette. No. 1,054,058; Feb. 25; Gaz. vol. 187; p. 869.
- Trundle, Edward H., Washington, D. C. Horseshoe-calk. No. 1,073,546; Sept. 16; Gaz. vol. 194; p. 715.
- Trundle, George T., assignor to The American Multi-graph Company, Cleveland, Ohio. Stamp-affixer. No. 1,051,650; Jan. 28; Gaz. vol. 186; p. 897.
- Trussed Concrete Steel Company. (See Kahn, Julius, assignor.)
- Trussed Concrete Steel Company. (See Kane, Thomas H., assignor.)
- Trust, Henry, New York, N. Y. Vegetable-peeler. No. 1,062,935; May 27; Gaz. vol. 190; p. 919.
- Truswall Mfg. Co. (See Higgins, Albert G., assignor.)
- Truxal, Norval W., Erie, assignor, by mesne assignments, to W. P. Lucas, Oil City, Pa. Bank-note cutting and signing machine. No. 1,057,018; Mar. 25; Gaz. vol. 188; p. 902.
- Tscherning, Henry, assignor to Arcade Manufacturing Company, Freeport, Ill. Molding-machine. No. 1,053,681; Feb. 18; Gaz. vol. 187; p. 705.
- Tscherning, Henry, assignor to Arcade Manufacturing Company, Freeport, Ill. Apparatus for jarring and pressing granular materials. No. 1,062,808; May 27; Gaz. vol. 190; p. 876.
- Tschörner, Ludwig, Vienna, Austria-Hungary. Image-transmitting telegraph. No. 1,075,614; Oct. 14; Gaz. vol. 195; p. 381.
- Tschudy, Eugene E., New York, N. Y. Umbrella or parasol. No. 1,079,198; Nov. 18; Gaz. vol. 196; p. 739.
- Tschudy, Frederick, Birmingham, Ala. Air and stack valve for reversing-furnaces. No. 1,069,206; Aug. 5; Gaz. vol. 193; p. 42.
- Tschunkur, Eduard. (See Jonas and Tschunkur.)
- Tsuzuki, Jinnosuke, Ogikubo, near Tokyo, Japan. Preparing an antiberberic. No. 1,058,927; Apr. 15; Gaz. vol. 189; p. 610.
- Tubbs, Lena, Charleston, S. C. Tooth-brush. No. 1,082,919; Dec. 30; Gaz. vol. 197; p. 1158.
- Tubman, Alexander, *et al.* (See Dun Lany, William P., assignor.)
- Tubman, T. H., *et al.* (See Dun Lany, William P., assignor.)
- Tubular Rivet & Stud Company. (See Brown, George W., assignor.)
- Tuck, Joseph, Hawks Nest, W. Va. Machine-jack. No. 1,065,747; June 24; Gaz. vol. 191; p. 980.
- Tucker, Andrew P., Cincinnati, Ohio. Dry-cell-packing machine. No. 1,055,839; Mar. 11; Gaz. vol. 188; p. 435.
- Tucker, Arthur R., Union Center, Wis. Stair-square. No. 1,053,757; Feb. 18; Gaz. vol. 187; p. 732.
- Tucker, Benjamin W., South Orange, N. J. Machine for making window-shades. No. 1,070,640; Aug. 19; Gaz. vol. 193; p. 604.
- Tucker, Charles H., Toledo, Ohio. Equalizing-truck for crane-trolleys. No. 1,050,499; Jan. 14; Gaz. vol. 186; p. 438.
- Tucker, Charles H., Toledo, Ohio. Hoisting and conveying apparatus. No. 1,050,578; Jan. 14; Gaz. vol. 186; p. 465.
- Tucker, Charles H., Toledo, Ohio. Crane or the like. No. 1,076,333; Oct. 21; Gaz. vol. 195; p. 655.
- Tucker, Ernest H., *et al.* (See Fisher, George W., assignor.)
- Tucker, Frank S., and F. M. Laxton, Charlotte, N. C. Shoe-heel protector. No. 1,081,412; Dec. 16; Gaz. vol. 197; p. 581.
- Tucker, Frank W., New York, N. Y. Coin-controlled vending-machine. No. 1,054,153; Feb. 25; Gaz. vol. 187; p. 901.
- Tucker, George W., Bettie, Tex. Harrow. No. 1,060,038; Apr. 29; Gaz. vol. 189; p. 1064.
- Tucker, Harry, assignor of one-half to P. Kovsky, Philadelphia, Pa. Key-duplicating machine. No. 1,081,471; Dec. 16; Gaz. vol. 197; p. 601.
- Tucker, Harry, assignor of one-half to P. Kovsky, Philadelphia, Pa. Key-duplicating clamp. No. 1,081,472; Dec. 16; Gaz. vol. 197; p. 601.
- Tucker, James D., Sierra Madre, Cal. Plug for basins and tubs. No. 1,058,277; Apr. 8; Gaz. vol. 189; p. 347.
- Tucker, James H., Petersburg, Va. Vehicle-tire. No. 1,077,176; Oct. 28; Gaz. vol. 195; p. 999.
- Tucker, James S. (See Stewart and Tucker.)
- Tucker, Joseph L., Helena, Ala. Flying-machine. No. 1,052,986; Feb. 11; Gaz. vol. 187; p. 422.
- Tucker, Martin L. N. (See Laroche and Tucker.)
- Tucker, Mary E., Sweet, Idaho. Strawberry-runner cutter. No. 1,064,790; June 17; Gaz. vol. 191; p. 623.
- Tucker, Olivia W., East Providence, R. I. Portable water-heater. No. 1,067,157; July 8; Gaz. vol. 192; p. 463.
- Tucker, Stanley. (See Chapman and Tucker.)
- Tucker, William H., Boston, Mass. Liquid-receptacle. No. 1,082,661; Dec. 30; Gaz. vol. 197; p. 1066.
- Tueckmantel, Hugo, Newark, N. J. Finger-shield. No. 1,066,556; July 8; Gaz. vol. 192; p. 257.
- Tueckmantel, Hugo, Irvington, N. J., assignor to The R. Neumann Hardware Co. Bag-fastener. No. 1,080,792; Dec. 9; Gaz. vol. 197; p. 336.
- Tuell, Elmer, Tribune, Kans. Drain-valve for pumps. No. 1,057,100; Mar. 25; Gaz. vol. 188; p. 931.
- Tuerk, Gustavus A., Berlin, Ontario, Canada. Concrete-mixer. No. 1,062,936; May 27; Gaz. vol. 190; p. 920.

Alphabetical list of patentees—Continued.

- Tufts, Charles G. (See Blauvelt, Tufts, and Collins.)
 Tufts, Charles G., Syracuse, assignor to Semet-Solvay Company, Solvay, N. Y. Obtaining purified ammonia from coal-gas. No. 1,065,566; June 24; Gaz. vol. 191; p. 919.
 Tufts, Charles G., Syracuse, assignor to Semet-Solvay Company, Solvay, N. Y. Treating coal-gases. No. 1,078,014; Nov. 11; Gaz. vol. 196; p. 297.
 Tufts, Leonard, Center Harbor, N. H. Smoker's pipe. No. 1,065,008; June 17; Gaz. vol. 191; p. 693.
 Tugender, Herman, New York, N. Y. Plate-holding means for printing-machines. No. 1,079,076; Nov. 18; Gaz. vol. 196; p. 698.
 Tuggle, John, Brush Creek, Tenn. Combined planter and fertilizer-dropper. No. 1,068,547; July 29; Gaz. vol. 192; p. 1044.
 Tugwell, George. (See Stanford and Tugwell.)
 Tulimowski, Wacław. (See Swinarski, Edward, assignor.)
 Tully, George L., assignor to American Optical Company, Southbridge, Mass. Trial-frame. No. 1,073,879; Sept. 23; Gaz. vol. 194; p. 853.
 Tuma, Frank, Buffalo, N. Y., assignor of one-half to J. C. Currie, Jersey City, N. J. Spark-arrester and draft-regulator for locomotives. No. 1,060,514; Apr. 29; Gaz. vol. 189; p. 1229.
 Tunes, Manoel F., Rio de Janeiro, Brazil. Carving-machine. No. 1,073,547; Sept. 16; Gaz. vol. 194; p. 715.
 Tunmer, Alfred A., Levallois-Perret, France. Racket for tennis or the like. No. 1,054,059; Feb. 25; Gaz. vol. 187; p. 869.
 Tunnessen, William, Hazleton, Pa. Cover for receptacles. No. 1,051,651; Jan. 28; Gaz. vol. 186; p. 897.
 Tunstall, Albert E., Worcester, Mass. Hand-drill. No. 1,061,706; May 13; Gaz. vol. 190; p. 430.
 Tupper, Albert R., Binghamton, N. Y. Go-cart. No. 1,054,949; Mar. 4; Gaz. vol. 188; p. 100.
 Turbeville, De Kalb, assignor of one-half to S. S. Smith, Roanoke, Ala. Guide attachment for carpenters' planes. No. 1,055,685; Mar. 11; Gaz. vol. 188; p. 382.
 Turbine Sewer Machine Renovating Company, The. (See Sieben and Stevenson, assignors.)
 Turck, Joseph A. V. (See Felt and Turck.)
 Turcotte, Joseph. (See Ledoux and Turcotte.)
 Turek, Ferdinand, Cleveland, Ohio. Beer-cooler. No. 1,077,015; Oct. 28; Gaz. vol. 195; p. 950.
 Turek, Ferdinand, Cleveland, Ohio. Beer-cooler. No. 1,077,016; Oct. 28; Gaz. vol. 195; p. 950.
 Turgeon, Benjamin, Bonesteel, S. D. Tire for automobiles and other vehicles. No. 1,071,191; Aug. 26; Gaz. vol. 193; p. 820.
 Turgeon, Cyrille, St. Charles, Quebec, Canada. Combination-lock. No. 1,058,814; Apr. 15; Gaz. vol. 189; p. 570.
 Turnbo, Annie M. (See Majors, Walter L., assignor.)
 Turnbull, Alexander, Glasgow, Scotland. Tire-armor. No. 1,055,372; Mar. 11; Gaz. vol. 188; p. 279.
 Turnbull, Arthur J. B. (See Turnbull, Davis, and Turnbull.)
 Turnbull, Henry A., Surrey Hills, G. F. F. Davis, Camberwell, and A. J. B. Turnbull, Surrey Hills, Victoria, Australia. Steam-generator. No. 1,071,536; Aug. 26; Gaz. vol. 193; p. 935.
 Turnbull, Percy, Trenton, N. J. Container. No. 1,053,758; Feb. 18; Gaz. vol. 187; p. 732.
 Turner, Arnold, Danbury, Conn. Blocking and finishing hats. No. 1,062,062; May 20; Gaz. vol. 190; p. 586.
 Turner, Charles A., and A. B. Edwards, Hamlet, N. C. Railway-switch. No. 1,077,017; Oct. 28; Gaz. vol. 195; p. 950.
 Turner, Charles J., Monticello, Iowa. Wire-stretcher. No. 1,057,901; Apr. 1; Gaz. vol. 189; p. 173.
 Turner, Charles S., assignor to The Firestone Tire & Rubber Company, Akron, Ohio. Vehicle-tire. No. 1,057,467; Apr. 1; Gaz. vol. 189; p. 24.
 Turner, Clarence C., assignor of one-half to G. Yale, Portland, Oreg. Automatic signaling and train-stopping device. No. 1,080,087; Dec. 2; Gaz. vol. 197; p. 59.
 Turner, Clarence C., assignor of one-half to G. Yale, Portland, Oreg. Automatic signaling and train-stopping combination circuit device. No. 1,080,088; Dec. 2; Gaz. vol. 197; p. 59.
 Turner, Claude A. P., Minneapolis, Minn. Making artificial stone. No. 1,069,832; Aug. 12; Gaz. vol. 193; p. 286.
 Turner, Claude A. P., Minneapolis, Minn. Reinforced concrete construction. No. 1,072,532; Sept. 9; Gaz. vol. 194; p. 323.
 Turner, Claude V., Chicora, Fla. Equipment for automobiles. No. 1,069,590; Aug. 5; Gaz. vol. 193; p. 172.
 Turner, Darwin H., Gloucester, assignor to E. W. Cole, Somerville, Mass. Laundry-iron. No. 1,076,926; Oct. 28; Gaz. vol. 195; p. 918.
 Turner, Edward W., Swansboro, and H. S. Reams, assignors to Richmond Cedar Works, Richmond, Va. Machine for making clothes-pins. No. 1,061,644; May 13; Gaz. vol. 190; p. 408.
 Turner, Edwin B., Bird City, Kans. Cement-tile-making machine. No. 1,075,877; Oct. 14; Gaz. vol. 195; p. 470.
 Turner, Frank F., Little Falls, Minn. Wheat-heater, grain-drier, and conditioner. No. 1,052,390; Feb. 4; Gaz. vol. 187; p. 186.
 Turner, George A., assignor to Holgate Brothers Company, Kane, Pa. Woodworking-machine. No. 1,066,684; July 8; Gaz. vol. 192; p. 302.
 Turner, George A., assignor to Holgate Brothers Company, Kane, Pa. Woodworking-machine. No. 1,066,685; July 8; Gaz. vol. 192; p. 303.
 Turner, George C., administrator. (See Turner, William P.)
 Turner, George E., Falls City, Nebr. Combined self-propelling machine and portable track therefor. No. 1,069,045; July 29; Gaz. vol. 192; p. 1218.
 Turner, George F., et al. (See Turner, William P., assignor.)
 Turner, George T., assignor of one-half to R. B. Hall, Ione, Wash. Fish-spear. No. 1,080,868; Dec. 9; Gaz. vol. 197; p. 363.
 Turner, Harry C., Los Angeles, Cal. Ball-and-socket joint. No. 1,065,483; June 24; Gaz. vol. 191; p. 891.
 Turner, Henry, Richmond, Va. Packing plug-tobacco. No. 1,066,865; July 8; Gaz. vol. 192; p. 364.
 Turner, Henry C., and G. W. Hamm, Represa, Cal. Water-meter. No. 1,071,828; Sept. 2; Gaz. vol. 194; p. 55.
 Turner, James B., Chicago, Ill. Making artificial marble. No. 1,079,077; Nov. 18; Gaz. vol. 196; p. 698.
 Turner, John B., Fort Smith, Ark. Automatic switch-operating mechanism. No. 1,065,484; June 24; Gaz. vol. 191; p. 891.
 Turner, Joseph L., assignor to The H. K. Mulford Company, Philadelphia, Pa. Metallic derivative or compound of the active principle of the suprarenal glands. No. 1,061,148; May 6; Gaz. vol. 190; p. 202.
 Turner, Joseph N., New York, assignor to Eberhard Faber Pencil Company, Brooklyn, N. Y. Pencil. No. 1,051,033; Dec. 21; Gaz. vol. 186; p. 656.
 Turner, Kelley M. (See Andrick, Lowe, and Haff, assignors.)
 Turner, Kelley M., Jamaica, N. Y. Telephone outfit for the deaf. No. 1,073,788; Sept. 23; Gaz. vol. 194; p. 823.
 Turner, Littleton W. (See Vaughan, Louis, assignor.)
 Turner, Mathias E., East Cleveland, and R. A. Fulton, Cleveland, Ohio. Electric switch. No. 1,053,245; Feb. 18; Gaz. vol. 187; p. 554.
 Turner, Paul, McDonough, Ga. Valve for gasoline-tanks. No. 1,050,181; Jan. 14; Gaz. vol. 186; p. 326.
 Turner, Percy S., Chorlton-cum-Hardy, England, assignor to Westinghouse Electric and Manufacturing Company, Controller. No. 1,065,009; June 17; Gaz. vol. 191; p. 694.
 Turner, Robert E., Boston, Mass. Bunion shield or protector. No. 1,073,185; Sept. 16; Gaz. vol. 194; p. 590.
 Turner, Samuel W., Canonbury, London, England, assignor to Yost Writing Machine Company, Iliou, N. Y. Type-writing machine. No. 1,050,315; Jan. 14; Gaz. vol. 186; p. 371.
 Turner, Samuel W., Canonbury, London, England, assignor to Yost Writing Machine Company, Iliou, N. Y. Type-writing machine. No. 1,058,815; Apr. 15; Gaz. vol. 189; p. 570.
 Turner Vaughn & Taylor Company, The. (See Pearson, Morris A., assignor.)
 Turner, Vaughn & Taylor Company, The. (See Wheeler, Harry E., assignor.)
 Turner, Walter V. (See Deems and Turner.)
 Turner, Walter V. (See Miller and Turner.)
 Turner, Walter V., Edgewood, assignor to The Westinghouse Air Brake Company, Pittsburgh, Pa. Load-brake apparatus. No. 1,053,246; Feb. 18; Gaz. vol. 187; p. 555.
 Turner, Walter V., Edgewood, assignor to The Westinghouse Air Brake Company, Pittsburgh, Pa. Triple-valve device. No. 1,053,247; Feb. 18; Gaz. vol. 187; p. 555.
 Turner, Walter V., Edgewood, assignor to The Westinghouse Air Brake Company, Pittsburgh, Pa. Uniform-release triple-valve device. No. 1,055,373; Mar. 11; Gaz. vol. 188; p. 279.
 Turner, Walter V., Edgewood, assignor to The Westinghouse Air Brake Company, Pittsburgh, Pa. Combined automatic emergency and independent brake apparatus. No. 1,057,509; Apr. 1; Gaz. vol. 189; p. 39.
 Turner, Walter V., Edgewood, assignor to The Westinghouse Air Brake Company, Pittsburgh, Pa. Emergency and release valve device. No. 1,057,510; Apr. 1; Gaz. vol. 189; p. 39.
 Turner, Walter V., Edgewood, assignor to The Westinghouse Air Brake Company, Pittsburgh, Pa. Differential-pressure governor for pumps. No. 1,060,650; May 6; Gaz. vol. 190; p. 29.
 Turner, Walter V., Edgewood, assignor to The Westinghouse Air Brake Company, Pittsburgh, Pa. Electropneumatic brake. No. 1,063,623; June 3; Gaz. vol. 191; p. 157.
 Turner, Walter V., Edgewood, assignor to The Westinghouse Air Brake Company, Pittsburgh, Pa. Electric pump-governor. No. 1,067,562; July 15; Gaz. vol. 192; p. 637.

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- Turner, Walter V., Edgewood, assignor to The Westinghouse Air Brake Company, Pittsburgh, Pa. Speed-regulated brake. No. 1,069,357; Aug. 5; Gaz. vol. 193; p. 94.
- Turner, Walter V., Edgewood, assignor to The Westinghouse Air Brake Company, Pittsburgh, Pa. Fluid-pressure brake. No. 1,069,358; Aug. 5; Gaz. vol. 193; p. 94.
- Turner, Walter V., Edgewood, assignor to The Westinghouse Air Brake Company, Pittsburgh, Pa. Pressure-governor for pumps. No. 1,071,829; Sept. 2; Gaz. vol. 194; p. 55.
- Turner, Walter V., Edgewood, assignor to The Westinghouse Air Brake Company, Pittsburgh, Pa. Electric pump-governor. No. 1,071,830; Sept. 2; Gaz. vol. 194; p. 56.
- Turner, Walter V., Edgewood, assignor to The Westinghouse Air Brake Company, Pittsburgh, Pa. Triple-valve device. No. 1,071,831; Sept. 2; Gaz. vol. 194; p. 56.
- Turner, Walter V., Edgewood, assignor to The Westinghouse Air Brake Company, Pittsburgh, Pa. Triple-valve device. No. 1,073,186; Sept. 16; Gaz. vol. 194; p. 590.
- Turner, Walter V., Edgewood, assignor to The Westinghouse Air Brake Company, Pittsburgh, Pa. Double-pressure pump-governor. No. 1,074,224; Sept. 30; Gaz. vol. 194; p. 998.
- Turner, Walter V., Edgewood, assignor to The Westinghouse Air Brake Company, Pittsburgh, Pa. Empty and load brake. No. 1,075,389; Oct. 14; Gaz. vol. 195; p. 305.
- Turner, Walter V., Edgewood, assignor to The Westinghouse Air Brake Company, Pittsburgh, Pa. Retaining-valve device. No. 1,075,797; Oct. 14; Gaz. vol. 195; p. 443.
- Turner, Walter V., Edgewood, assignor to The Westinghouse Air Brake Company, Pittsburgh, Pa. Fluid-pressure brake. No. 1,076,723; Oct. 28; Gaz. vol. 195; p. 846.
- Turner, Walter V., Edgewood, assignor to The Westinghouse Air Brake Company, Pittsburgh, Pa. High-speed brake. No. 1,078,015; Nov. 11; Gaz. vol. 196; p. 297.
- Turner, Walter V., Edgewood, assignor to The Westinghouse Air Brake Company, Pittsburgh, Pa. High-pressure emergency-brake. No. 1,078,016; Nov. 11; Gaz. vol. 196; p. 297.
- Turner, Walter V., Edgewood, assignor to The Westinghouse Air Brake Company, Pittsburgh, Pa. Fluid-pressure-brake device for double-heading. No. 1,078,017; Nov. 11; Gaz. vol. 196; p. 298.
- Turner, Walter V., Edgewood, assignor to The Westinghouse Air Brake Company, Pittsburgh, Pa. Fluid-pressure-brake device. No. 1,078,018; Nov. 11; Gaz. vol. 196; p. 298.
- Turner, Walter V., Edgewood, assignor to The Westinghouse Air Brake Company, Pittsburgh, Pa. Speed-controlled brake-release device. No. 1,078,019; Nov. 11; Gaz. vol. 196; p. 299.
- Turner, Walter V., Edgewood, assignor to The Westinghouse Air Brake Company, Pittsburgh, Pa. Automatic brake-valve device. No. 1,078,021; Nov. 11; Gaz. vol. 196; p. 299.
- Turner, Walter V., Edgewood, assignor to The Westinghouse Air Brake Company, Pittsburgh, Pa. Pressure-retaining-valve device. No. 1,081,347; Dec. 16; Gaz. vol. 197; p. 559.
- Turner, Walter V., Edgewood, assignor to The Westinghouse Air Brake Company, Pittsburgh, Pa. Electropneumatic control-valve mechanism. No. 1,082,295; Dec. 23; Gaz. vol. 197; p. 909.
- Turner, Walter V., Edgewood, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Fluid-pressure brake device. No. 1,082,296; Dec. 23; Gaz. vol. 197; p. 909.
- Turner, Walter V., Wilksburg, assignor to The Westinghouse Air Brake Company, Pittsburgh, Pa. Fluid-pressure brake. No. 1,063,751; June 3; Gaz. vol. 191; p. 201.
- Turner, Walter V., Wilksburg, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Load-brake apparatus. No. 1,075,275; Oct. 7; Gaz. vol. 195; p. 239.
- Turner, Walter V., and W. M. Cady, Edgewood, assignors to The Westinghouse Air Brake Company, Pittsburgh, Pa. Brake-valve device. No. 1,078,020; Nov. 11; Gaz. vol. 196; p. 299.
- Turner, William J. (See Baird and Turner.)
- Turner, William J., Snyder, Tex. Stalk-cutting attachment for plows. No. 1,067,082; July 8; Gaz. vol. 192; p. 435.
- Turner, William P., deceased, Stickney; G. C. Turner, Florenceville, administrator, assignor to J. A. Grant, G. F. Turner, Stickney, New Brunswick, Canada, and F. T. Perry. Combination grab and tie-spacer. No. 1,076,615; Oct. 21; Gaz. vol. 195; p. 755.
- Turner, William W., and J. R. Woods, Surprise, Okla. Weeder. No. 1,056,473; Mar. 18; Gaz. vol. 188; p. 683.
- Turney, Eugene T., New York, N. Y., assignor to American Pneumatic Action Company, Davenport, Iowa. Tempo-controller for piano-players. No. 1,056,234; Mar. 18; Gaz. vol. 188; p. 603.
- Turney, Eugene T., assignor to American Pneumatic Action Company, Davenport, Iowa. Tracker mechanism for piano-players. No. 1,056,858; Mar. 25; Gaz. vol. 188; p. 845.
- Turney, Harry L., Portland, Oreg., and H. A. Kalb, Raymond, Wash. Pneumatic snubbing means. No. 1,051,291; Jan. 21; Gaz. vol. 186; p. 742.
- Turrentine, James M., Pickton, Tex. Harvester for peavines. No. 1,057,688; Apr. 1; Gaz. vol. 189; p. 100.
- Turtle-Back Log Bunk & Car Stake Company. (See Shields, Edward B., assignor.)
- Tuteur, Charles, assignor of one-third to S. Kahn, New York, N. Y. Overhead sash-pulley. No. 1,060,145; Apr. 29; Gaz. vol. 189; p. 1099.
- Tutt, Charles L. (See Wilson and Tutt.)
- Tuttle, Charles B., assignor to Tuttle & Clark, Detroit, Mich. Toe-weight for horses. No. 1,064,031; June 10; Gaz. vol. 191; p. 329.
- Tuttle & Clark. (See Tuttle, Charles B., assignor.)
- Tuttle, Frank H. (See Finster and Tuttle.)
- Tuttle, George H., assignor of forty-nine one-hundredths to F. B. Fleming and twenty-five one-hundredths to W. Van Matre, Lincoln, Nebr. Safety-razor. No. 1,059,648; Apr. 22; Gaz. vol. 189; p. 892.
- Tuttle, George H., assignor of twenty-five one-hundredths to W. Van Matre and forty-nine one-hundredths to F. B. Fleming, Lincoln, Nebr. Vibratory safety-razor. No. 1,069,500; Aug. 5; Gaz. vol. 193; p. 143.
- Tuttle, George H., and F. B. Fleming, Lincoln, Nebr. Electric fan. No. 1,058,278; Apr. 8; Gaz. vol. 189; p. 347.
- Tuttle, Henry A., Taunton, Mass. Shock-absorber. No. 1,073,187; Sept. 16; Gaz. vol. 194; p. 590.
- Tuttle, Henry A., assignor to Evans Stamping & Plating Company, Taunton, Mass. Band-brake. No. 1,051,928; Feb. 4; Gaz. vol. 187; p. 27.
- Tuttle, Henry A., assignor to Evans Stamping & Plating Company, Taunton, Mass. Gearing. No. 1,078,565; Nov. 11; Gaz. vol. 196; p. 485.
- Tuttle, Hosea S., Minneapolis, Minn. Device for jacking up automobiles or other vehicles. No. 1,056,235; Mar. 18; Gaz. vol. 188; p. 603.
- Tuttle, Roy N., assignor to The Good Health Publishing Co., Battle Creek, Mich. Electric-light bath or treatment apparatus. No. 1,059,505; Apr. 22; Gaz. vol. 189; p. 846.
- Tuttle, Washington I., Baltimore, Md., assignor to The American Tobacco Company, New York, N. Y. Metallic box. No. 1,080,179; Dec. 2; Gaz. vol. 197; p. 91.
- Tuttle, Washington I., Baltimore, Md., assignor to The American Tobacco Company, New York, N. Y. Metallic box. No. 1,080,180; Dec. 2; Gaz. vol. 197; p. 91.
- Tuttle, Willis J., Albany, Wyo. Hose-clamp. No. 1,052,103; Feb. 4; Gaz. vol. 187; p. 90.
- Tweedale, John C., Toronto, Ontario, Canada. Penholder. No. 1,062,620; May 27; Gaz. vol. 190; p. 816.
- Twenhoeft, Edmund. (See Reifschneider, John, assignor.)
- Twentieth Century Portable Paving Machine Company (See White and Richards, assignors.)
- Twigg, Ernest. (See Spellman and Twigg.)
- Twining, Charles, Locust Point, N. J. Swivel-joint for electric conductors. No. 1,070,307; Aug. 12; Gaz. vol. 193; p. 449.
- Twining, Ernest C., Clements, Kans. Hay-sling apparatus. No. 1,053,072; Feb. 11; Gaz. vol. 187; p. 452.
- Twitchell, Ernst, Wyoming, Ohio. Manufacturing fatty acids and glycerin. No. 1,082,662; Dec. 30; Gaz. vol. 197; p. 1066.
- Twombly, Minnie S., New York, N. Y. Hat. No. 1,064,261; June 10; Gaz. vol. 191; p. 408.
- Twombly Motors Company. (See Twombly, Willard I., assignor.)
- Twombly, Willard I., New York, N. Y. Safety-harness for aviators. No. 1,050,874; Jan. 21; Gaz. vol. 186; p. 599.
- Twombly, Willard I., assignor to Twombly Motors Company, New York, N. Y. Internal-combustion engine. No. 1,053,759; Feb. 18; Gaz. vol. 187; p. 732.
- Twombly, Willard I., assignor to Twombly Motors Company, New York, N. Y. Lubricating system for rotary engines. No. 1,073,374; Sept. 16; Gaz. vol. 194; p. 657.
- Twyford, Thomas W., Hanley, England. Flushing-valve. No. 1,066,960; July 8; Gaz. vol. 192; p. 396.
- Tyberg, Oluf, assignor to R. L. Patterson and G. Arents, Jr., New York, N. Y. Cigar-machine. No. 1,075,172; Oct. 7; Gaz. vol. 195; p. 200.
- Tyden, Emil. (See Burton, Charles S., assignor.) (Re-issue.)
- Tyden, Emil, Hastings, Mich. Extension-table slide. No. 1,053,117; Feb. 11; Gaz. vol. 187; p. 468.
- Tyden, Emil, Hastings, Mich. Extension-table lock. No. 1,076,174; Oct. 21; Gaz. vol. 195; p. 599.
- Tyden, Emil, Hastings, Mich. Seal-locked can. No. 1,076,334; Oct. 21; Gaz. vol. 195; p. 655.
- Tyden, Emil, Hastings, Mich. Seal-locked can. No. 1,076,616; Oct. 21; Gaz. vol. 195; p. 756.
- Tyden, Emil, Hastings, Mich. Seal. No. 1,080,181; Dec. 2; Gaz. vol. 197; p. 91.

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- Tyden, Emil, Hastings, Mich. Seal-locked can. No. 1,080,183; Dec. 2; Gaz. vol. 197; p. 92.
- Tyden, Emil, Hastings, Mich. Seal for seal-locks. No. 1,080,184; Dec. 2; Gaz. vol. 197; p. 93.
- Tyden, Emil, Hastings, Mich. Seal-lock. No. 1,080,185; Dec. 2; Gaz. vol. 197; p. 93.
- Tyden, Emil, Hastings, Mich. Car-seal lock. No. 1,080,186; Dec. 2; Gaz. vol. 197; p. 93.
- Tyden, Emil, Hastings, Mich. Hasp seal-lock. No. 1,080,242; Dec. 2; Gaz. vol. 197; p. 113.
- Tygard Engine, The, *et al.* (See Tygard, James W., assignor.)
- Tygard, James W., Pittsburgh, Pa., assignor of one-third to H. A. W. Wood, New York, N. Y. Continuous-action rotary engine. No. 1,069,742; Aug. 12; Gaz. vol. 193; p. 255.
- Tygard, James W., assignor of one-third to H. A. W. Wood, New York, N. Y., and two-thirds to The Tygard Engine. Internal progressive-combustion rotary motor. No. 1,060,039; Apr. 29; Gaz. vol. 189; p. 1064.
- Tyler, Albert M., Alexandria, Ohio. Gate-latch. No. 1,071,480; Aug. 26; Gaz. vol. 193; p. 917.
- Tyler, Asa F., Merlin, Oreg. Engine stop and recording device. No. 1,065,192; June 17; Gaz. vol. 191; p. 753.
- Tyler, Charles C., Bridgeport, Conn., assignor to Remington Arms and Ammunition Company, Ilion, N. Y. Magazine-firearm. No. 1,061,789; May 13; Gaz. vol. 190; p. 455.
- Tyler, Clarence E., Newark, N. J. Surface box for sub-surface-pipes. No. 1,070,752; Aug. 19; Gaz. vol. 193; p. 643.
- Tyler, Clarence E., Newark, N. J., assignor to S. E. T. Valve & Hydrant Company, New York, Inc., New York, N. Y. Curb-box. No. 1,081,281; Dec. 9; Gaz. vol. 197; p. 499.
- Tyler, Clifford M. (See Farnum, Dwight, assignor.)
- Tyler, Edward B. (See Staaf, Werner I., assignor.)
- Tyler, George A., El Paso, Tex. Wheelbarrow. No. 1,070,308; Aug. 12; Gaz. vol. 193; p. 450.
- Tyler, George W., assignor of one-half to R. H. Angell, Roanoke, Va. Nut-lock. No. 1,050,182; Jan. 14; Gaz. vol. 186; p. 327.
- Tyler, James E., Danville, Va. Oil-arrester. No. 1,053,760; Feb. 18; Gaz. vol. 187; p. 733.
- Tyler, William C., and E. Nall, assignors to The Goodyear Tire and Rubber Company, Akron, Ohio. Spindle for stock-tolls. No. 1,055,576; Mar. 11; Gaz. vol. 188; p. 345.
- Tyner, James P. (See Littleton and Tyner.)
- Tynes, Minor E., Gloster, Miss. Poultry-shipping coop. No. 1,069,743; Aug. 12; Gaz. vol. 193; p. 255.
- Tynes, William A. (See Price and Tynes.)
- Typograph G. m. b. H. (See Dorneth, Julius, assignor.)
- Tyrell, Richard, Missoula, Mont. Combined automobile fender and lamp-support. No. 1,049,946; Jan. 7; Gaz. vol. 186; p. 212.
- Tyrrrell, George W., *et al.* (See Hervey, Lee A., assignor.)
- Tyrrrell, Jesse W., Mercer, Pa. Wrench. No. 1,059,091; Apr. 15; Gaz. vol. 189; p. 668.
- Tyrrrell, Wallace B. (See Byrnes, Daniel F., assignor.)
- Tyrrrell, Wallace B., assignor to Bradley Knitting Co., Delavan, Wis. Seam for sewed articles. No. 1,074,580; Sept. 30; Gaz. vol. 194; p. 1115.
- Tysko, A. J. (See Bambas, Wladyslaw, assignor.)
- Tyson Company, The. (See Tyson, Frank, assignor.)
- Tyson, Frank, Canton, Ohio. Pump. No. 1,062,375; May 20; Gaz. vol. 190; p. 693.
- Tyson, Frank, assignor to The Tyson Company, Canton, Ohio. Ice-cream freezer. No. 1,071,371; Aug. 26; Gaz. vol. 193; p. 881.
- Tyson, Frank and W. G., Canton, Ohio. Condenser. No. 1,071,481; Aug. 26; Gaz. vol. 193; p. 917.
- Tyson, Horace F., Barto, Pa. Screen for coal-chutes. No. 1,055,499; Mar. 11; Gaz. vol. 188; p. 321.
- Tyson, William G. (See Tyson, Frank and W. G.)
- Tywacana Farms Poultry Company. (See Hammond, Robert O., assignor.)
- U. S. Automatic Advertising Company. (See Van Allen, William C., assignor.)
- U. S. Bobbin & Shuttle Co. (See Allen, Robert N., assignor.)
- U. S. Bobbin & Shuttle Co. (See Hambleton, George, assignor.)
- U. S. Bobbin & Shuttle Company. (See Farnum, William C., assignor.)
- U. S. Expansion Bolt Co. (See Conrad, Joseph R., assignor.)
- U. S. Hame Company. (See Wiedrich, Charles L., assignor.)
- U. S. Mechanical Draft Company, The. (See Harley and Long, assignors.)
- U. S. Sheet & Metal Culvert Co., The. (See Dean, John H., assignor.)
- U. S. Slicing Machine Company. (See Groot, Pieter C. de, assignor.)
- U. S. Slicing Machine Company. (See Stukart, Hendrik, assignor.)
- U. S. Slicing Machine Company. (See Van Berkel, Wilhelmus A., assignor.)
- Ubbelohde, Leo, Karlsruhe, Germany. Electric-resistance furnace. No. 1,060,868; May 6; Gaz. vol. 190; p. 105.
- Überlee, Erich, Grunewald, near Berlin, Germany, assignor to General Electric Company. Regulating device for tapped turbines. No. 1,076,335; Oct. 21; Gaz. vol. 195; p. 656.
- Uchtmann, Weet R., assignor of one-half to O. M. Dahi, Boston, Mass. Float. No. 1,075,074; Oct. 7; Gaz. vol. 195; p. 168.
- Ude, Waldemar, St. Louis, Mo. Cigar-lighter. No. 1,056,236; Mar. 18; Gaz. vol. 188; p. 604.
- Ude, William C., West Haven, Conn. Telephone-fixture. No. 1,050,404; Jan. 14; Gaz. vol. 186; p. 403.
- Udell-Predock Manufacturing Company. (See Predock, George E., assignor.)
- Uebel, Carl, Heidelberg, Germany. Dehalogenization of halogeniferous nitrates. No. 1,082,781; Dec. 30; Gaz. vol. 197; p. 1110.
- Uebersax, Jean, Chaux-de-Fonds, assignor to Wenger & Co., Delémont, Switzerland. Polishing silver utensils. No. 1,063,478; June 3; Gaz. vol. 191; p. 104.
- Ugstad, Alfred, Carlisle township, Ottertail county, Minn. Windmill-regulator. No. 1,062,621; May 27; Gaz. vol. 190; p. 816.
- Uhde, Friedrich, Gerthe, Germany. Production of ammonium nitrate from ammoniacal gases. No. 1,053,456; Feb. 18; Gaz. vol. 187; p. 628.
- Uhde, Otto, Hamburg, Germany. Apparatus for destroying refuse. No. 1,049,947; Jan. 7; Gaz. vol. 186; p. 212.
- Uhde, Otto, Hamburg, Germany. Destroying refuse. No. 1,059,787; Apr. 22; Gaz. vol. 189; p. 938.
- Uhl, Edward L., assignor to Winchester Repeating Arms Co., New Haven, Conn. Mushrooming bullet. No. 1,062,865; May 27; Gaz. vol. 190; p. 895.
- Uhlenhuth, Rudolf. (See Hepp, Uhlenhuth, and Roemer.)
- Uhlich, Clemens, Chemnitz, Germany. Apparatus on vehicles for collecting horse-dung. No. 1,059,506; Apr. 22; Gaz. vol. 189; p. 846.
- Uhlig, Richard W., Rutherford, N. J., assignor to Underwood Typewriter Company, New York, N. Y. Typewriting machine. No. 1,069,359; Aug. 5; Gaz. vol. 193; p. 95.
- Uhlmann, Ernst, Albany, N. Y. Device for branding casks and similar articles. No. 1,057,689; Apr. 1; Gaz. vol. 189; p. 160.
- Ulbrich, Walter, Leipzig, Germany. Soldering apparatus. No. 1,054,060; Feb. 25; Gaz. vol. 187; p. 870.
- Ullery, Gustin C., West Milton, Ohio. Extension leg-brace. No. 1,050,258; Jan. 14; Gaz. vol. 186; p. 352.
- Ullery, Lee, Phoenix, Ariz. Toilet-paper holder. No. 1,079,524; Nov. 25; Gaz. vol. 196; p. 879.
- Ullman, Isaac W. (See Dressler and Ullman.)
- Ullman, Joseph H., New Haven, assignor, by mesne assignments, to The King Machine Company, Bridgeport, Conn. Ironing-machine. No. 1,083,038; Dec. 30; Gaz. vol. 197; p. 1196.
- Ulrich, Georg, Magdeburg, Germany. Magnetic separator. No. 1,067,287; July 15; Gaz. vol. 192; p. 545.
- Ulrich, Georg, Magdeburg, Germany. Magnetic separator. No. 1,072,276; Sept. 2; Gaz. vol. 194; p. 204.
- Ulrich, Georg, Magdeburg, Germany. Apparatus for magnetic separation of ores and other materials. No. 1,072,277; Sept. 2; Gaz. vol. 194; p. 205.
- Ulrich, Georg, assignor to Fried. Krupp Aktiengesellschaft Grusonwerk, Magdeburg, Germany. Separation of substances by the wet magnetic process. No. 1,062,522; May 20; Gaz. vol. 190; p. 740.
- Ulrich, Howard A., Chicago, Ill. Mold for building-blocks. No. 1,070,859; Aug. 19; Gaz. vol. 193; p. 676.
- Ulmer, Frank M., Savannah, Ga. Advertising device. No. 1,052,533; Feb. 11; Gaz. vol. 187; p. 268.
- Ulmer, Frank M., Philadelphia, Pa. Lock-valve. No. 1,069,744; Aug. 12; Gaz. vol. 193; p. 256.
- Ulrich, Alfred, Zurich, Switzerland, assignor to The Hoffmann-La Roche Chemical Works, New York, N. Y. Therapeutical composition containing a bromid. No. 1,054,258; Feb. 25; Gaz. vol. 187; p. 937.
- Ulrich, Charles B., Wausau, Wis. Advertising-sign. No. 1,076,250; Oct. 21; Gaz. vol. 195; p. 625.
- Ulrich, Friedrich, Sr., and F. Jr., Dorchester, Wis. Potato-bug catcher and killer. No. 1,061,027; May 6; Gaz. vol. 190; p. 163.
- Ulrich, John O., Tamaqua, Pa. Lighting and ventilating apparatus. No. 1,064,573; June 10; Gaz. vol. 191; p. 515.
- Ulrich, Julius M., and W. Rahr, Jr., Manitowoc, Wis.; said Ulrich assignor to said Rahr. Carburetor. No. 1,081,258; Dec. 9; Gaz. vol. 197; p. 491.
- Ulrich, Melchior C., assignor of sixteen one-hundredths to G. B. Dunn and thirty-three one-hundredths to G. W. Korte, Seattle, Wash. Nut-lock. No. 1,075,310; Oct. 7; Gaz. vol. 195; p. 251.
- Ulrich, Samuel A., Mendota, Mo. Gearing for stretchers. No. 1,080,503; Dec. 2; Gaz. vol. 197; p. 204.
- Ulrichs, Ernst, Reval, Russia, assignor to Badische Anilin & Soda Fabrik, Ludwigshafen-on-the-Rhine, Germany. Azo coloring-matter. No. 1,077,655; Nov. 4; Gaz. vol. 196; p. 143.
- Ulsaver, Ervin S. (See Clapp and Ulsaver.)

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- Umholtz, Bruce M., Wamego, Kans. Containing and dispensing device. No. 1,071,482; Aug. 26; Gaz. vol. 193; p. 917.
- Umstätter, John, New York, N. Y. Curtain-hanger. No. 1,056,384; Mar. 18; Gaz. vol. 188; p. 650.
- Umstead, Chester R. (See Sandt and Umstead.)
- Umstead, William H. R., Harrison, N. J. Folding umbrella. No. 1,058,928; Apr. 15; Gaz. vol. 189; p. 610.
- Underhill, Charles R. (See Kemble and Underhill.)
- Underpinning & Foundation Co., The. (See Pierce, Leon, assignor.)
- Underpinning & Foundation Company, The. (See Breuchaud, Jules, assignor.) (Reissue.)
- Underwood Automatic Typewriter Pay Station Company. (See Bates, Harry, assignor.)
- Underwood Computing Machine Company. (See Degener and Resch, assignors.)
- Underwood Engineering Company. (See Underwood, John T., assignor.)
- Underwood, George W., Kansas City, Mo. Safety-gate for freight-elevators. No. 1,064,791; June 17; Gaz. vol. 191; p. 624.
- Underwood, James S., Los Angeles, Cal. Door-latch. No. 1,068,466; July 29; Gaz. vol. 192; p. 1018.
- Underwood, John T. (See Hart, Frederick A., assignor.)
- Underwood, John T. (See Main, Fred F., assignor.)
- Underwood, John T. (See Stickney, Burnham C., assignor.)
- Underwood, John T., assignor to Underwood Engineering Company, Detroit, Mich. Burner. No. 1,078,227; Nov. 11; Gaz. vol. 196; p. 369.
- Underwood, Robert L., Denver, Colo. Pipe-wrench. No. 1,080,607; Dec. 9; Gaz. vol. 197; p. 270.
- Underwood, Thomas J., Peoria, Ill. Lawn-trimmer. No. 1,082,570; Dec. 30; Gaz. vol. 197; p. 1035.
- Underwood Typewriter Company. (See Barnard, Walter E., assignor.)
- Underwood Typewriter Company. (See Broughton, Lyman D., assignor.)
- Underwood Typewriter Company. (See Cook, Frank A., assignor.)
- Underwood Typewriter Company. (See Cooper, John J., assignor.)
- Underwood Typewriter Company. (See Corcoran, Cornelius B., assignor.)
- Underwood Typewriter Company. (See Crutchley, Harry, assignor.)
- Underwood Typewriter Company. (See Elliott, Howard, assignor.)
- Underwood Typewriter Company. (See Fengler and Rouillot, assignors.)
- Underwood Typewriter Company. (See Fortin, Benjamin P., assignor.)
- Underwood Typewriter Company. (See Gibbs, Charles, assignor.)
- Underwood Typewriter Company. (See Gill, Charles H., assignor.)
- Underwood Typewriter Company. (See Griffin, George E., assignor.)
- Underwood Typewriter Company. (See Helmond, William F., assignor.)
- Underwood Typewriter Company. (See Hutches, Benjamin F., Jr., assignor.)
- Underwood Typewriter Company. (See Kurowski, Alfred G. F., assignor.)
- Underwood Typewriter Company. (See Kurowski and McKay, assignors.)
- Underwood Typewriter Company. (See Lawrence, Ernald C., assignor.)
- Underwood Typewriter Company. (See Lockwood, Marquis H., assignor.)
- Underwood Typewriter Company. (See Lundeborg, Carl F., assignor.)
- Underwood Typewriter Company. (See Lux, Julius K., assignor.)
- Underwood Typewriter Company. (See McCormack, Harry S., assignor.)
- Underwood Typewriter Company. (See McLaughlin, John C., assignor.)
- Underwood Typewriter Company. (See Morgan, Frank L., assignor.)
- Underwood Typewriter Company. (See Pritzl, Lorenz L., assignor.)
- Underwood Typewriter Company. (See Ramsey, George W., assignor.)
- Underwood Typewriter Company. (See Roberts, Frank C., assignor.)
- Underwood Typewriter Company. (See Roberts, Lyman R., assignor.)
- Underwood Typewriter Company. (See Robinson, Frank A., assignor.)
- Underwood Typewriter Company. (See Smith, Stephen T., Jr., assignor.)
- Underwood Typewriter Company. (See Sokolov, Jacob, assignor.)
- Underwood Typewriter Company. (See Stickney, Burnham C., assignor.)
- Underwood Typewriter Company. (See Uhlig, Richard W., assignor.)
- Underwood Typewriter Company. (See Ursbruck, Frank C., assignor.)
- Underwood Typewriter Company. (See Vogel, Charles H., assignor.)
- Underwood Typewriter Company. (See Young, Frank A., assignor.)
- Unger, Ernst. (See Grosert, Thomas, assignor.)
- Unger, John S., Duquesne, Pa. Treating solids of revolution. No. 1,071,012; Aug. 19; Gaz. vol. 193; p. 726.
- Unglesby, Clifton W., Franklin, Ohio. Funeral-carriage list-book. No. 1,053,073; Feb. 11; Gaz. vol. 187; p. 452.
- Union Bag & Paper Company, The. (See Witham, George S., Sr., assignor.)
- Union Bag & Paper Company, The. (See Witham, George S. and I. J., assignors.)
- Union Bag & Paper Company, The. (See Witham, Isaac J. and G. S., Sr., assignors.)
- Union Carbide Company. (See Marshall, James G., assignor.)
- Union Draft Gear Company. (See Cardwell, James R., assignor.)
- Union Draft Gear Company. (See Jones, Joshua J., assignor.)
- Union Electric Manufacturing Company. (See Watson, Rhine, and Keeney, assignors.)
- Union Fibre Company. (See Lappen, James E., assignor.)
- Union Fibre Company. (See Parkison, Thomas B., assignor.)
- Union Gas Engine Company. (See Corson, William L., assignor.)
- Union Gas Engine Company. (See Page and Belden, assignors.)
- Union Iron Works Co. (See Dahl, Knut M., assignor.)
- Union Lock Stitch Company. (See Merrick, Frank W., assignor.)
- Union Machine Company. (See Bartlett, Frank W., assignor.)
- Union Manufacturing Company, The. (See Gates, Fred-eric P., assignor.)
- Union Metallic Cartridge Company, The. (See Gully, Albert B., assignor.)
- Union Metallic Cartridge Company, The. (See Hoagland, Frank O., assignor.)
- Union Metallic Cartridge Company, The. (See Rylands, Thomas H., assignor.)
- Union Paper Bag Machine Company. (See Lorenz, William A., assignor.)
- Union Paper Bag Machine Company. (See Stilwell, Charles B., assignor.)
- Union Paper Company. (See Anderson, Ernest D., assignor.)
- Union Pearl Works. (See Eshleman, Samuel B., assignor.)
- Union Radiator Company. (See Simler, Oliver P., assignor.)
- Union Special Machine Company. (See Dahl, Harry J., assignor.)
- Union Special Machine Company. (See Hayes, John, assignor.)
- Union Special Machine Company. (See Laurent, Joseph A., assignor.)
- Union Special Machine Company. (See McNeil, Chester, assignor.)
- Union Special Machine Company. (See McNelly, Joseph, assignor.)
- Union Special Machine Company. (See Moffatt, James R., assignor.)
- Union Special Machine Company. (See Moffatt and Kelso, assignors.)
- Union Special Machine Company. (See Onderdonk, Lansing, assignor.)
- Union Special Machine Company. (See Seymour, Dudley S., assignor.)
- Union Special Machine Company. (See Woodward, Russel G., assignor.)
- Union Special Sewing Machine Company. (See Corey, Daniel W., assignor.)
- Union Special Sewing Machine Co. (See Onderdonk, Lansing, assignor.)
- Union Special Sewing Machine Company. (See Woodward, Russel G., assignor.)
- Union Switch & Signal Company, The. (See Coleman, John P., assignor.)
- Union Switch & Signal Company, The. (See Corey, Fred B., assignor.)
- Union Switch and Signal Company, The. (See Hawkins, Laurence A., assignor.)
- Union Switch & Signal Company, The. (See Hobson and Howard, assignors.)
- Union Switch & Signal Company, The. (See Lewis, Lloyd V., assignor.)
- Union Switch & Signal Company, The. (See McCready, Harold, assignor.)
- Union Switch and Signal Company, The. (See Oler, Benjamin F., assignor.)
- Union Switch & Signal Company, The. (See Patenall, Thomas H., assignor.)

Alphabetical list of patentees—Continued.

- Union Switch & Signal Company, The. (See Patenall and Young, assignors.)
 Union Switch and Signal Company, The. (See Potter, William B., assignor.)
 Union Switch & Signal Company, The. (See Struble, Jacob B., assignor.)
 Union Switch & Signal Company, The. (See Taylor, John D., assignor.) (Reissue.)
 Union Switch & Signal Company, The. (See Thullen, Louis H., assignor.)
 Union Switch & Signal Company, The. (See Vencill, Albert L., assignor.)
 Union Trust Company of Pittsburgh, The, trustee. (See Merley, John, assignor.)
 Union Twist Drill Company. (See Boynton, John W., assignor.)
 Union Twist Drill Company. (See MacKay, Simon, assignor.)
 Union Typewriter Company. (See Carpenter, Daniel A., assignor.)
 Union Typewriter Company. (See Felbel, Jacob, assignor.)
 Union Typewriter Company. (See Harris, Joseph, assignor.)
 Union Typewriter Company. (See Maury, Alfred D., assignor.)
 Union Typewriter Company. (See Shepard, Charles H., assignor.)
 Union Typewriter Company. (See Smith, Charles E., assignor.)
 Union Typewriter Company. (See Waldheim, John, assignor.)
 Union Typewriter Company of New Jersey. (See Strother, Robert H., assignor.)
 Union Water Meter Company. (See Larrabee, William H., assignor.)
 Unique Specialty Company. (See Flood, John R., assignor.)
 Unit Construction Company. (See Conzelman, John E., assignor.)
 United Button Company. (See Morrissey, Thomas F., assignor.)
 United Demonstrating Machine Company, The. (See Jaros, Ernest S., assignor.)
 United Electric Company, The. (See Dillon, Charles A., assignor.)
 United Engineering & Foundry Co. (See Heppenstall, Samuel B., assignor.)
 United Fig & Date Co. (See Suzzi, Taddeo C., assignor.)
 United Flexible Metallic Tubing Company Limited, The. (See Berryman and Redgrave, assignors.)
 United Gas Improvement Company, The. (See Evans, Owen B., assignor.)
 United Gas Improvement Company, The. (See Nevanas, Harold H., assignor.)
 United Ice Improvement Company. (See Dodge, Zenas U., assignor.)
 United Injector Company, The. (See Park, William R., assignor.) (Reissue.)
 United Injector Company, The. (See Williston, Belvin T., assignor.)
 United Iron Works. (See Yeatman, John A., assignor.)
 United Iron Works Company. (See Bodine, William I., assignor.)
 United Iron Works Company. (See Holzer, Hiram A., assignor.)
 United Mining & Trust Co. (See Nicholas, Francis C., assignor.)
 United Printing Machinery Co. (See McLaughlin, Robert B., assignor.)
 United Refrigerator and Ice Machine Company. (See Gillespie, Alan K., assignor.)
 United Rim Company, The. (See Shaw, Edwin C., assignor.)
 United Seal Company, The. (See Macklin and Trimmer, assignors.)
 United Shirt and Collar Company. (See Dormandy, Garry J., assignor.)
 United Shoe Machinery Company. (See Alexander, Alexander M., assignor.)
 United Shoe Machinery Company. (See Allen, John V., assignor.)
 United Shoe Machinery Company. (See Allen and Bertrand, assignors.)
 United Shoe Machinery Company. (See Ambler, George A., assignor.)
 United Shoe Machinery Company. (See Ashton, Orrell, assignor.)
 United Shoe Machinery Company. (See Ashworth, Fred, assignor.)
 United Shoe Machinery Company. (See Bates, Arthur, assignor.)
 United Shoe Machinery Company. (See Bates and Cridland, assignors.)
 United Shoe Machinery Company. (See Baxter, William C., assignor.)
 United Shoe Machinery Company. (See Bayard, Emery, assignor.)
 United Shoe Machinery Company. (See Beaumont, Ernest C., assignor.)
 United Shoe Machinery Company. (See Beler, Paul, assignor.)
 United Shoe Machinery Company. (See Bennion, Bates, and Gouldbourn, assignors.)
 United Shoe Machinery Company. (See Bertrand, Frederic E., assignor.)
 United Shoe Machinery Company. (See Bond, William A., assignor.)
 United Shoe Machinery Company. (See Bostock, Thomas, assignor.)
 United Shoe Machinery Company. (See Brock, Matthias, assignor.)
 United Shoe Machinery Company. (See Brogan, Michael F., assignor.)
 United Shoe Machinery Company. (See Brothers, Eli, assignor.)
 United Shoe Machinery Company. (See Casgrain, Louis A., assignor.)
 United Shoe Machinery Company. (See Chase, Augustus C., assignor.)
 United Shoe Machinery Company. (See Clary, Burton N., assignor.)
 United Shoe Machinery Company. See Cosgrove and Erickson, assignors.)
 United Shoe Machinery Company. (See Crisp, Joseph E., assignor.)
 United Shoe Machinery Company. (See Crosier, Fred D., assignor.)
 United Shoe Machinery Company. (See Davenport, Eugene F., assignor.)
 United Shoe Machinery Company. See Davenport, Herman A., assignor.)
 United Shoe Machinery Company. (See Dow, John L., assignor.)
 United Shoe Machinery Company. (See Drey, Wilfred J., assignor.)
 United Shoe Machinery Company. (See Dudley, Charles F., assignor.)
 United Shoe Machinery Company. (See Eaton, William G., assignor.)
 United Shoe Machinery Company. (See Engel, Karl, assignor.)
 United Shoe Machinery Company. (See Enslin, Herbert E., assignor.)
 United Shoe Machinery Company. (See Eppler, Andrew, assignor.)
 United Shoe Machinery Company. (See Erickson and Cosgrove, assignors.)
 United Shoe Machinery Company. (See Flynt, Louis W. G., assignor.)
 United Shoe Machinery Company. (See Forsyth, William R., assignor.)
 United Shoe Machinery Company. (See Foye, Cyrus D., assignor.)
 United Shoe Machinery Company. (See Frasier, Warren, assignor.)
 United Shoe Machinery Company. (See Furber, Frederick M., assignor.)
 United Shoe Machinery Company. (See Glass, Perley R., assignor.) (Reissue.)
 United Shoe Machinery Company. (See Glidden, John E., assignor.)
 United Shoe Machinery Company. (See Goddu, George, assignor.)
 United Shoe Machinery Company. (See Gordon, William, assignor.)
 United Shoe Machinery Company. (See Gouldbourn and Hallam, assignors.)
 United Shoe Machinery Company. (See Hadaway, John B., assignor.)
 United Shoe Machinery Company. (See Harmon, Frank L., assignor.)
 United Shoe Machinery Company. (See Heys, John J., assignor.)
 United Shoe Machinery Company. (See Hill, George S., assignor.)
 United Shoe Machinery Company. (See Holmes, Charles P., assignor.)
 United Shoe Machinery Company. (See Howe, Charles E., assignor.)
 United Shoe Machinery Company. (See Hurd, Edward L., assignor.)
 United Shoe Machinery Company. (See Hyslop, John, assignor.)
 United Shoe Machinery Company. (See Jackson and Pochin, assignors.)
 United Shoe Machinery Company. (See Jacobs, Ernest C., assignor.)
 United Shoe Machinery Company. (See Johnson, Albert E., assignor.)
 United Shoe Machinery Company. (See Keall, Gouldbourn, and Jerram, assignors.)
 United Shoe Machinery Company. (See Keats, Socrates, assignor.)
 United Shoe Machinery Company. (See Kenway, Herbert W., assignor.)
 United Shoe Machinery Company. (See Keyes, Eugene L., assignor.)
 United Shoe Machinery Company. (See King, Frederick G., assignor.)

Alphabetical list of patentees—Continued.

- United Shoe Machinery Company. (See King, William B., assignor.)
 United Shoe Machinery Company. (See La Chapelle, Fred N., assignor.)
 United Shoe Machinery Company. (See Lane, Elmer E., assignor.)
 United Shoe Machinery Company. (See Like, Clark C., assignor.)
 United Shoe Machinery Company. (See Locke, Frank D., assignor.)
 United Shoe Machinery Company. (See Lund, Thomas, assignor.)
 United Shoe Machinery Company. (See Lyon, Harry, assignor.)
 United Shoe Machinery Company. (See MacKenzie, Fred L., assignor.)
 United Shoe Machinery Company. (See Macleod, Albert A., assignor.)
 United Shoe Machinery Company. (See Martin, Charles W., assignor.)
 United Shoe Machinery Company. (See Mayo, Benjamin F., assignor.)
 United Shoe Machinery Company. (See McFeely, Ronald F., assignor.)
 United Shoe Machinery Company. (See McLeod, George T., assignor.) (Reissue.)
 United Shoe Machinery Company. (See Meacham, John H., assignor.)
 United Shoe Machinery Company. (See Meyer, William C., assignor.)
 United Shoe Machinery Company. (See Miller, Leslie V., assignor.)
 United Shoe Machinery Company. (See Mower, Edwin F., assignor.)
 United Shoe Machinery Company. (See Orr, Edward E., assignor.)
 United Shoe Machinery Company. (See Parker, Chandler L., assignor.)
 United Shoe Machinery Company. (See Pearson and Jerram, assignors.)
 United Shoe Machinery Company. (See Perry, Frederick H., assignor.)
 United Shoe Machinery Company. (See Plant, Thomas G., assignor.) (Reissue.)
 United Shoe Machinery Company. (See Pocock, Ebenezer, assignor.)
 United Shoe Machinery Company. (See Pope, Joseph H., assignor.)
 United Shoe Machinery Company. (See Pratt and Pegg, assignors.)
 United Shoe Machinery Company. (See Prenzel, Adam H., assignor.)
 United Shoe Machinery Company. (See Prime, Daniel N., assignor.)
 United Shoe Machinery Company. (See Prime and Ashton, assignors.)
 United Shoe Machinery Company. (See Prindle, Edwin J., assignor.)
 United Shoe Machinery Company. (See Ray, Eugene J., assignor.)
 United Shoe Machinery Company. (See Raymond, Freeborn F., 2d, assignor.)
 United Shoe Machinery Company. (See Reid, Josiah E., assignor.)
 United Shoe Machinery Company. (See Rollins, George L., assignor.)
 United Shoe Machinery Company. (See Ross and Freeman, assignors.)
 United Shoe Machinery Company. (See Russell, Arthur L., assignor.)
 United Shoe Machinery Company. (See Sargent, William H., assignor.)
 United Shoe Machinery Company. (See Scott, Jacob R., assignor.)
 United Shoe Machinery Company. (See Scott, John E., assignor.)
 United Shoe Machinery Company. (See Shaw, Linus H., assignor.)
 United Shoe Machinery Company. (See Simmons, Ralph C., assignor.)
 United Shoe Machinery Company. (See Skinner, Clarence F., assignor.)
 United Shoe Machinery Company. (See Small, Chester C., assignor.)
 United Shoe Machinery Company. (See Smith, Willard A., assignor.)
 United Shoe Machinery Company. (See Stanbon, Charles P., assignor.)
 United Shoe Machinery Company. (See Stewart, William C., assignor.)
 United Shoe Machinery Company. (See Stiggins, Edward A., assignor.)
 United Shoe Machinery Company. (See Stubbs, William A., assignor.)
 United Shoe Machinery Company. (See Stuber, Benjamin F., assignor.)
 United Shoe Machinery Company. (See Trainer, Frank M., assignor.)
 United Shoe Machinery Company. (See Tripp, Eliphalet A., assignor.)
 United Shoe Machinery Company. (See Webster and Towle, assignors.)
 United Shoe Machinery Company. (See Winkley, Erastus E., assignor.)
 United Shoe Machinery Company. (See Winslow, Sidney W., assignor.)
 United Shoe Machinery Company. (See Winslow, Sidney W., Jr., assignor.)
 United Shoe Machinery Company. (See Winter, Henry W., assignor.)
 United Shoe Machinery Company. (See Woodward, Erastus, assignor.)
 United States Air Brake Corporation, The. (See Duke-smith, Frank H., assignor.)
 United States Cast Iron Pipe and Foundry Company. (See James, Roswell G., assignor.)
 United States Electric Signal Company. (See Ruddick, John J., assignor.)
 United States Light & Heating Company, The. (See Ackermann, Alexander H., assignor.)
 United States Light & Heating Company, The. (See Bliss, William L., assignor.)
 United States Metal Products Co. (See Hale, Charles J., assignor.)
 United States Metal Products Company. (See Bennett, Frederick, assignor.)
 United States Metallic Packing Company, The. (See King, Charles W. G., assignor.)
 United States Persian Carpet Company *et al.* (See Clark and Dalkranian, assignors.)
 United States Persian Carpet Company *et al.* (See Cyr and Dalkranian, assignors.)
 United States Persian Carpet Company *et al.* (See Ledoux and Dalkranian, assignors.)
 United States Roller Bearing Company. (See Perkins, Julius A., assignor.)
 United States Sanitary Manufacturing Company. (See Danver, James H., assignor.)
 United States Smelting, Refining & Mining Company. (See Sprague, Clarence B., assignor.)
 United States Smelting, Refining & Mining Company. (See Stevens, Royale H., assignor.)
 United States Stamp Book Company. (See Angell, Edward C., assignor.)
 United States Tire Company, The, *et al.* (See Gilbert, Joseph M., assignor.)
 United States Tire Company, The, *et al.* (See Wagenhorst, James H., assignor.)
 United Steel Company, The. (See Jones, Hang, and McConnell, assignors.)
 United Steel and Wire Company. (See Genebach, George J., assignor.)
 United Telegraph & Cable Company, The. (See Bruce, William M., Jr., assignor.)
 United Vacuum Appliance Company. (See Preston, Ray W., assignor.)
 Unity Cotton Mills, The. (See Austin and Dallis, assignors.)
 Unitytype Company, The. (See Des Jardins, Benjamin M., assignor.)
 Universal Auto-Repair Co. (See Church, William G., assignor.)
 Universal Brush Company. (See Alexander and Bradshaw, assignors.)
 Universal Butter Machine Company. (See Volkmann, Charles, assignor.)
 Universal Car Seal & Appliance Co. (See Martineau, William C., assignor.)
 Universal Caster & Foundry Company. (See Ballenberg, Adolph, assignor.)
 Universal Caster & Foundry Company. (See Diss, Albert B., assignor.)
 Universal Coinwrapping Machine Company. (See Batdorf, Charles S., assignor.)
 Universal Cork Extractor Company. (See Evans and Duryee, assignors.)
 Universal Draft Gear Attachment Co. (See Nash, Charles J., assignor.)
 Universal Electric Storage Battery Company. (See Morrison, William, assignor.)
 Universal Electric Welding Company. (See Aikins, Samuel, assignor.)
 Universal Electric Welding Company. (See Ellinger, Julian O., assignor.)
 Universal Electric Welding Company. (See Lachman, Maurice, assignor.)
 Universal Electric Welding Company. (See Rietzel, Adolph F., assignor.)
 Universal Machine Screw Company, The. (See Zeiser and Pickop, assignors.)
 Universal Mail Dispatcher Company. (See Jones, William H., assignor.)
 Universal Metal Flume Co. (See Mitchell, Arthur K., assignor.)
 Universal Motor Company, The. (See Rhodes, Harry A., assignor.)
 Universal Optical Corporation. (See Searles, Wayne S., assignor.)
 Universal Paper Bottle Company. (See Stellard, Walter, assignor.)

Alphabetical list of patentees—Continued.

- Universal Refrigerating Company. (See Davis, William F., assignor.)
- Universal Rim Company. (See Baker, Erle K., assignor.)
- Universal Safety Elevator Locking Device Co. (See Didier, Edmund, assignor.)
- Universal Screen & Blind Company. (See Lancaster, George W., assignor.)
- Universal Shoe Machinery Company Limited, The. (See Ward and Gent, assignors.)
- Universal Talking Machine Manufacturing Company. (See Babson and Haug, assignors.)
- Universal Turbine Company, The. (See Anderson, Emil, assignor.)
- Universal Vending Machine Company. (See Thompson, Joseph W., assignor.)
- Universal Wave Power Co. (See Melander, August W., assignor.)
- Universal Winding Company. (See Babcock and Rand, assignors.)
- Universal Winding Company. (See Harvey and Ryden, assignors.)
- Universal Winding Company. (See Marcroft, William, assignor.)
- Universal Winding Company. (See Ryden, Claes, assignor.)
- Universal Winding Company. (See Ryden and Babcock, assignors.)
- Unke, Otto C. (See Unke, William H. and O. C.)
- Unke, William H. and O. C., Milwaukee, assignors, by mesne assignments, to Yale Steel Stamping Company, Oostburg, Wis. Exhaust-silencer. No. 1,081,348; Dec. 16; Gaz. vol. 197; p. 560.
- Unruh, Frank, New Orleans, La. Pencil-sharpener. No. 1,074,026; Sept. 23; Gaz. vol. 194; p. 903.
- Unser, George, and G. Warner, Bucklin, Kans. Oil-burner. No. 1,055,840; Mar. 11; Gaz. vol. 188; p. 435.
- Unser, John, Carthage, N. Y. Torch. No. 1,061,575; May 13; Gaz. vol. 190; p. 385.
- Unsinkable Bathing Boat Company. (See Johnson, Claude M., assignor.)
- Unterberg, Gustav, Frankfurt-on-the-Main, Germany. Interrupter for magneto-electric igniters. No. 1,053,248; Feb. 18; Gaz. vol. 187; p. 556.
- Unterholzner, Josef, Zweibrücken, Germany. Condenser-telephone. No. 1,082,248; Dec. 23; Gaz. vol. 197; p. 891.
- Unverricht, Eduard, Hamburg, Germany. Automatic railway safety device. No. 1,050,316; Jan. 14; Gaz. vol. 186; p. 372.
- Unverricht, Eduard, assignor to P. de Chapeaurouge, Hamburg, Germany. Circuit-changer. No. 1,074,911; Oct. 7; Gaz. vol. 195; p. 110.
- Unversaw, Edward A., and L. G. Rexroth, Indianapolis, Ind. Machine for feeding sausage-casings. No. 1,059,411; Apr. 22; Gaz. vol. 189; p. 813.
- Upham, Burt F., Evanston, Ill., assignor to Southgate Machinery Company, Boston, Mass. Feeding attachment for printing-presses. No. 1,082,374; Dec. 23; Gaz. vol. 197; p. 936.
- Upp, William C., Baltimore, Md. View-changing device. No. 1,064,944; June 17; Gaz. vol. 191; p. 673.
- Uppercue, Richard F., Maywood, Ill. Floor-surfacing machine. No. 1,051,467; Jan. 28; Gaz. vol. 186; p. 834.
- Upshaw, Harry A. (See Brewster, William P., assignor.)
- Upshaw, Lucius L., assignor of one-fifth to G. L. Blackford and one-fifth to P. H. Tobin, Denison, Tex. Cotton-harvester. No. 1,079,585; Nov. 25; Gaz. vol. 196; p. 902.
- Upson, Edwin L., Brooklyn, N. Y., and H. W. Pleister, Westfield, assignors to H. B. Newhall, Plainfield, N. J. Implement-handle. No. 1,078,228; Nov. 11; Gaz. vol. 196; p. 370.
- Uptegraff, Alexander G., Lenox, Mass. Non-slip tread. No. 1,068,714; July 29; Gaz. vol. 192; p. 1103.
- Upton, Alva T., Mount Vernon, Ill. Coal-bit sharpener. No. 1,061,149; May 6; Gaz. vol. 190; p. 202.
- Upton, Alva T., Mount Vernon, Ill. Tempering-vat. No. 1,081,473; Dec. 16; Gaz. vol. 197; p. 602.
- Upton, Charles H., La Grande, Oreg. Pin-guard. No. 1,075,520; Oct. 14; Gaz. vol. 195; p. 349.
- Upton, Emory, Benton Harbor, assignor to Upton Machinery Company, St. Joseph, Mich. Power-transmission gearing. No. 1,059,788; Apr. 22; Gaz. vol. 189; p. 938.
- Upton, George, Salem, Mass. Obtaining glue or gelatin. No. 1,063,229; June 3; Gaz. vol. 191; p. 21.
- Upton Machinery Company. (See Upton, Emory, assignor.)
- Upton, Thomas A., Toledo, Ohio. Game apparatus. No. 1,055,983; Mar. 11; Gaz. vol. 188; p. 482.
- Urban, Charles F., Milwaukee, Wis. Truing-tool for lathe-work. No. 1,082,714; Dec. 30; Gaz. vol. 197; p. 1086.
- Urbanek, Wenzel C., Manitowoc, Wis. Porous head for containers. No. 1,054,950; Mar. 4; Gaz. vol. 188; p. 100.
- Uren, Andrew, Seattle, Wash. Snatch-block. No. 1,071,115; Aug. 26; Gaz. vol. 193; p. 796.
- Uren, William W., Savona, British Columbia, Canada. Cartridge-holder. No. 1,073,721; Sept. 23; Gaz. vol. 194; p. 802.
- Urgellés, José M., Baracoa, Cuba. Machine for removing pulp from coffee-beans. No. 1,066,344; July 1; Gaz. vol. 192; p. 155.
- Urie, William T., Independence, Mo. Spring-wheel. No. 1,060,146; Apr. 29; Gaz. vol. 189; p. 1099.
- Urista, Adolfo M., Mexico, Mexico. Boiler. No. 1,078,177; Nov. 11; Gaz. vol. 196; p. 353.
- Urquhart, Benjamin, Plainfield, N. J. Regulated-contact push-button. No. 1,059,013; Apr. 15; Gaz. vol. 189; p. 641.
- Urquhart, Benjamin, Plainfield, N. J. Draft attachment for automobiles. No. 1,076,799; Oct. 28; Gaz. vol. 195; p. 873.
- Urquhart, William E., Moscow, Idaho. Pipe-wrench. No. 1,060,040; Apr. 29; Gaz. vol. 189; p. 1065.
- Urquhart, William E., assignor of one-fifth to C. B. Perry, Elk River, Idaho. Pipe-wrench. No. 1,075,878; Oct. 15; Gaz. vol. 195; p. 470.
- Ursbruck, Frank C., assignor to Underwood Typewriter Company, New York, N. Y. Type-writing machine. No. 1,052,104; Feb. 4; Gaz. vol. 187; p. 90.
- Ursbruck, Frank C., assignor to Underwood Typewriter Company, New York, N. Y. Type-writing machine. No. 1,052,429; Feb. 4; Gaz. vol. 187; p. 200.
- Ursbruck, Frank C., assignor to Underwood Typewriter Company, New York, N. Y. Type-writing machine. No. 1,057,365; Mar. 25; Gaz. vol. 188; p. 1018.
- Ursbruck, Frank C., assignor to Underwood Typewriter Company, New York, N. Y. Type-writing machine. No. 1,058,678; Apr. 8; Gaz. vol. 189; p. 484.
- Ursbruck, Frank C., assignor to Underwood Typewriter Company, New York, N. Y. Type-writing machine. No. 1,064,674; June 10; Gaz. vol. 191; p. 549.
- Ursbruck, John H., Philadelphia, Pa. Dumping-vehicle. No. 1,064,574; June 10; Gaz. vol. 191; p. 515.
- Usinger, Fred, Milwaukee, Wis. Meat-smoking machine. No. 1,053,249; Feb. 18; Gaz. vol. 187; p. 556.
- Ussery, James B. (See Kilburn, Thomas J., assignor.)
- Ussery, Walter R., and E. J. Cook, Cookville, Tex. Combined broom and cloth hanger. No. 1,061,150; May 6; Gaz. vol. 190; p. 202.
- Utahna Development Company. (See Pfeiffer, Otto G., assignor.)
- Utech, William, Sanford, Fla. Harness-buckle. No. 1,064,262; June 10; Gaz. vol. 191; p. 408.
- Utica Cutlery Company. (See Tillmanns, Carl W., assignor.)
- Utlandska Patentaktiebolaget Frigator. (See Andersson, Johan, assignor.)
- Utz, John G., Detroit, Mich. Transmission mechanism. No. 1,079,961; Dec. 2; Gaz. vol. 197; p. 13.
- Utz, John G., assignor to Chalmers-Detroit Motor Company, Detroit, Mich. Lubricator. No. 1,070,753; Aug. 19; Gaz. vol. 193; p. 643.
- Utzman, Winfield A., Toledo, Ohio. Liquid-fuel filter. No. 1,052,629; Feb. 11; Gaz. vol. 187; p. 300.
- Uzzell, Charles V. (See Nichols and Uzzell.)
- V. M. Sales Co. (See Bryant, Cyrus A., assignor.)
- Vaaler, Jens, assignor to The Clemetsen Company, Chicago, Ill. Latch for type-writer-desk platforms. No. 1,061,707; May 13; Gaz. vol. 190; p. 431.
- Vacek, Johanna, Vienna, Austria-Hungary, assignor to H. Bruckner, Berlin-Schöneberg, Germany. Breast-holder. No. 1,075,449; Oct. 14; Gaz. vol. 195; p. 325.
- Vacha, Frank M. (See Kral, Vacha, and Cap.)
- Vachon, George C., Chicago, Ill., assignor to City Weather Proofing Company. Weather-strip. No. 1,082,375; Dec. 23; Gaz. vol. 197; p. 936.
- Vachon, Louis A., Newton Center, Mass. Aeroplane. No. 1,080,664; Dec. 9; Gaz. vol. 197; p. 290.
- Vacuum Car Ventilating Co. (See Cooke, Dwight I., assignor.)
- Vacuum Cleaner Company, The. (See Kenney, David T., assignor.)
- Vacuum Dyeing Machine Company. (See Hey, David M., assignor.)
- Vacuum Engineering Company. (See Guthorn, Seymour L., assignor.)
- Vacuum Hand Blocking Co. (See Stoffel, Fernand, assignor.)
- Vacuum Oil Company. (See Bradfield, George K., assignor.)
- Vacuum Specialty Manufacturing Company, The. (See Duffie, John J., assignor.)
- Vagas, Andrew J. and M. F., Youngstown, Ohio. Storm-coat. No. 1,077,177; Oct. 28; Gaz. vol. 195; p. 999.
- Vagas, Michael F. (See Vagas, Andrew J. and M. F.)
- Vagt, August, Leverkusen, near Cologne, assignor to Farbenfabriken vorm. Friedr. Bayer & Co., Elberfeld, Germany. Producing sulfonic acids of the naphthalene series. No. 1,055,103; Mar. 4; Gaz. vol. 188; p. 152.
- Vahl, William H., and W. J. Petrusek, Chicago, Ill. Stove. No. 1,062,560; May 20; Gaz. vol. 190; p. 752.
- Vail, John E. (See Scott, Henry, assignor.)
- Vail, John W., Chicago, Ill. Bedstead. No. 1,081,639; Dec. 16; Gaz. vol. 197; p. 655.
- Vail, Joseph M., Bryan, Ohio. Rail-stay. No. 1,074,666; Oct. 7; Gaz. vol. 195; p. 28.
- Vail, Joseph M., Bryan, Ohio. Rail-stay. No. 1,074,667; Oct. 7; Gaz. vol. 195; p. 28.

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- Vale, James L., Veness, Wash. Detachable eccentric. No. 1,054,883; Mar. 4; Gaz. vol. 188; p. 79.
- Vale, Thomas B., Rogers, Ohio. Power-transmission mechanism. No. 1,065,643; June 24; Gaz. vol. 191; p. 945.
- Valentin, Auguste. (See Georges, Valentin, and Zerrelss.)
- Valentine, Elmer, Byesville, Ohio. Nut-lock. No. 1,075,521; Oct. 14; Gaz. vol. 195; p. 349.
- Valentine, Ernest J., assignor to The McCaskey Register Company, Alliance, Ohio. Clip. No. 1,067,288; July 15; Gaz. vol. 192; p. 545.
- Valentine, Herbert S., assignor to Reading Crane & Hoist Works, Reading, Pa. Electric hoist. No. 1,058,497; Apr. 8; Gaz. vol. 189; p. 423.
- Valentine, Herbert S., assignor to Reading Crane & Hoist Works, Reading, Pa. Stopping device for electric hoists. No. 1,060,383; Apr. 29; Gaz. vol. 189; p. 1184.
- Valentine, Herbert S., assignor to Reading Crane & Hoist Works, Reading, Pa. Electric brake for hoists. No. 1,060,384; Apr. 29; Gaz. vol. 189; p. 1184.
- Valentine, Robert D., Minneapolis, Minn. Traction-engine. No. 1,070,362; Aug. 12; Gaz. vol. 193; p. 467.
- Valentine, Walter D., East Orange, N. J., assignor to National Rapid Transit Company, New York, N. Y. Monorail system. No. 1,049,782; Jan. 7; Gaz. vol. 186; p. 158.
- Valentine, Walter T., Los Angeles, Cal. Adjustable window-shade hanger. No. 1,080,869; Dec. 9; Gaz. vol. 197; p. 363.
- Valentine, William M., Rochester, N. Y. Combined door holder and stop. No. 1,081,707; Dec. 16; Gaz. vol. 197; p. 677.
- Valerius, Theodore L., Fort Atkinson, Wis., assignor to Creamery Package Manufacturing Company, Chicago, Ill. Bottle filler and capper. No. 1,072,795; Sept. 9; Gaz. vol. 194; p. 414.
- Valerius, Theodore L., and O. Larsen, Fort Atkinson, Wis., assignors to Creamery Package Manufacturing Company. Sediment-tester. No. 1,052,391; Feb. 4; Gaz. vol. 187; p. 186.
- Vallquett, Joseph J., *et al.* (See Roush and Garnett, assignors.)
- Valkelberg, Albert, Hiteman, Iowa. Rail tie and fastener. No. 1,063,087; May 27; Gaz. vol. 190; p. 969.
- Valles, Segismundo G., Habana, Cuba. Trolley. No. 1,077,018; Oct. 28; Gaz. vol. 195; p. 951.
- Valley Foundry and Machine Works. (See Hunt, Ben, assignor.)
- Vallone, Charles, assignor to Barcalo Manufacturing Company, Buffalo, N. Y. Connecting device for bedstead-frame tubes and the like. No. 1,072,278; Sept. 2; Gaz. vol. 194; p. 205.
- Vallone, Charles, and F. R. Rogers, assignors to Barcalo Manufacturing Company, Buffalo, N. Y. Apparatus for heating tubes. No. 1,052,863; Feb. 11; Gaz. vol. 187; p. 380.
- Valois, Felix E., Haverhill, assignor to Hamel Shoe Machinery Company, Lynn, Mass. Shuttle. No. 1,074,758; Oct. 7; Gaz. vol. 195; p. 59.
- Valois, Felix E., Haverhill, assignor to Hamel Shoe Machinery Company, Lynn, Mass. Shoe-sewing machine. No. 1,082,715; Dec. 30; Gaz. vol. 197; p. 1086.
- Valoppi, Eugene. (See Molinari and Valoppi.)
- Valot, Edward B. (See Bair, George R., assignor.)
- Valters, Walter F., Chicago, Ill. Bookbinding. No. 1,059,092; Apr. 15; Gaz. vol. 189; p. 668.
- Valve and Air Brake Company. (See Neal, Spencer G., assignor.)
- Van Aken, John C., Ridgway, Pa. Sled. No. 1,062,204; May 20; Gaz. vol. 190; p. 636.
- Van Allen, William C., assignor to U. S. Automatic Advertising Company, Porterville, Cal. Advertising-machine. No. 1,058,207; Apr. 8; Gaz. vol. 189; p. 323.
- Van Antwerp, Clarence B., Chicago, Ill. Expansion-bolt. No. 1,053,682; Feb. 18; Gaz. vol. 187; p. 705.
- Van Antwerp, Clarence B., Chicago, Ill. Expansion-bolt. No. 1,076,175; Oct. 21; Gaz. vol. 195; p. 600.
- Van Arsdale, George D., East Orange, N. J. Electrolytically refining copper. No. 1,069,305; Aug. 5; Gaz. vol. 193; p. 76.
- Van Arsdol, Court L. (See Albright, Albert A., assignor.)
- Van Asseche, Frank, Jersey City, N. J. Greenhouse-glazing. No. 1,068,287; July 22; Gaz. vol. 192; p. 918.
- Van Auker, Benjamin H., Rahway, N. J. Attachment for combustion-generators, &c. No. 1,063,479; June 3; Gaz. vol. 191; p. 104.
- Van Auker, Benjamin H., Syracuse, N. Y. Water-front for fire-pots of furnaces. No. 1,076,082; Oct. 21; Gaz. vol. 195; p. 568.
- Van Auker, Lansing, Watervliet, N. Y. Automatic fire-extinguishing apparatus. No. 1,078,388; Nov. 11; Gaz. vol. 196; p. 429.
- Van Benthuyssen, Frank, Albany, N. Y. Automatic paper feeding or delivering device. No. 1,053,250; Feb. 18; Gaz. vol. 187; p. 556.
- Van Berkel, Johannes C., Zurich, Switzerland. Meat-slicing machine. No. 1,057,188; Mar. 25; Gaz. vol. 188; p. 960.
- Van Berkel, Wilhelms A., Rotterdam, Netherlands, assignor to U. S. Slicing Machine Company, Chicago, Ill. Device for sharpening the rotary circular knives of meat-slicing machines. No. 1,057,597; Apr. 1; Gaz. vol. 189; p. 68.
- Van Brunt, Abram, Bridgeport, Conn. Glass for water-gages. No. 1,059,580; Apr. 22; Gaz. vol. 189; p. 870.
- Van Buskirk, Abraham L., Idaho Falls, Idaho. Evaporative refrigerator. No. 1,073,375; Sept. 16; Gaz. vol. 194; p. 658.
- Van Buskor, John O., and E. Meier, Dwight, Ill. Water-heater. No. 1,079,811; Nov. 25; Gaz. vol. 196; p. 981.
- Van Calcar, Reinder P., Oegstgeest, J. Ellermann and H. J. Martijn, The Hague, Netherlands. Device for drying and sterilizing air. No. 1,067,693; July 15; Gaz. vol. 192; p. 682.
- Van Curen, Elza K., Bairdstown, assignor to M. S. Van Curen, Santa Monica, Cal. Machine for pulverizing and smoothing sand. No. 1,059,688; Apr. 22; Gaz. vol. 189; p. 905.
- Van Curen, Elza K., Bairdstown, assignor to M. S. Van Curen, Santa Monica, Cal. Trap for rats, gophers, and similar small game. No. 1,078,526; Nov. 11; Gaz. vol. 196; p. 473.
- Van Curen, Mary S. (See Van Curen, Elza K., assignor.)
- Van de Sandt, William. (See Lloyd, Walter J., assignor.)
- Van de Water, Archibald. (See Carhart and Van de Water.)
- Van de Water, George S., Rockville Center, N. Y. Pool and billiard table. No. 1,049,948; Jan. 7; Gaz. vol. 186; p. 213.
- Van Demark, Howard M., Brooklyn, N. Y. Station-indicator for railways. No. 1,053,330; Feb. 18; Gaz. vol. 187; p. 585.
- Van Denberg, Edward D., assignor to Engle and Van Denberg, Reading, Pa. Antisiphon-trap. No. 1,069,655; Aug. 5; Gaz. vol. 193; p. 194.
- Van Der Sprenkel, Jan B., *et al.* (See Weenen, Johannes J. H. W., assignor.)
- Van der Velden, Friedrich, Barmen, assignor to Wickueller Kuepper Brauerei Actiengesellschaft, Elberfeld, Germany. Internally tinning metal vessels. No. 1,072,372; Sept. 2; Gaz. vol. 194; p. 238.
- Van der Wel, John, Seattle, Wash. Book binder or lock. No. 1,064,675; June 10; Gaz. vol. 191; p. 549.
- Van der Werff, John N., Swissvale, Pa. Intermittent grip. No. 1,057,598; Apr. 1; Gaz. vol. 189; p. 69.
- Van Derveer, Clarence A., assignor, by mesne assignments, to Midland Chair & Seating Company, Michigan City, Ind. Chair. No. 1,078,810; Nov. 18; Gaz. vol. 196; p. 605.
- Van Derveer, Clarence A., assignor, by mesne assignments, to Midland Chair & Seating Company, Michigan City, Ind. Car-seat. No. 1,078,811; Nov. 18; Gaz. vol. 196; p. 605.
- Van Deussen, Cary, Crarryville, N. Y. Metal railway-tie. No. 1,077,656; Nov. 4; Gaz. vol. 196; p. 143.
- Van Deventer, Harry R., Sumter, S. C. Protective device for electrical circuits. No. 1,071,279; Aug. 26; Gaz. vol. 193; p. 850.
- Van Deventer, James E., and L. Swank, assignors to Dwiggins Wire Fence Company, Anderson, Ind. Adjustable gate. No. 1,075,233; Oct. 7; Gaz. vol. 195; p. 222.
- Van Deventer, James S., and E. M. Brown, Gary, Ind. Window-guard. No. 1,065,193; June 17; Gaz. vol. 191; p. 753.
- Van Deventer, John H., assignor to Buffalo Forge Company, Buffalo, N. Y. Rotary engine. No. 1,070,085; Aug. 12; Gaz. vol. 193; p. 371.
- Van Deventer, John H., assignor to Buffalo Forge Company, Buffalo, N. Y. Rotary engine. No. 1,070,086; Aug. 12; Gaz. vol. 193; p. 372.
- Van Deventer, John H., assignor to Buffalo Forge Company, Buffalo, N. Y. Metallic packing. No. 1,070,087; Aug. 12; Gaz. vol. 193; p. 373.
- Van Deventer, John H., assignor to Buffalo Forge Company, Buffalo, N. Y. Counterbalanced bearing. No. 1,070,088; Aug. 12; Gaz. vol. 193; p. 373.
- Van Deventer, Judson W., St. Petersburg, Fla. Hydrocarbon-burner. No. 1,066,686; July 8; Gaz. vol. 192; p. 303.
- Van Dorn and Dutton Company, The. (See Schneider, Franklin, assignor.)
- Van Dorn Iron Works Company, The. (See Martin, Arthur, assignor.)
- Van Dorn, William T., Chicago, Ill. Car end. No. 1,070,380; Aug. 12; Gaz. vol. 193; p. 475.
- Van Dorn, William T., Chicago, Ill. Attaching means for car ends. No. 1,074,225; Sept. 30; Gaz. vol. 194; p. 999.
- Van Duzee, Charles E. (See Dye, Glen M., assignor.)
- Van Dyke, Charles B., Muskegon, Mich. Index. No. 1,075,522; Oct. 14; Gaz. vol. 195; p. 349.
- Van Dyke, Elbert M. (See Hepner and Van Dyke.)
- Van Dyke, John W., and W. M. Irish, assignors to The Atlantic Refining Company, Philadelphia, Pa. Process of and apparatus for distilling petroleum. No. 1,073,548; Sept. 16; Gaz. vol. 194; p. 715.
- Van Dyken, Harry, Two Harbors, Minn. Means for indicating fractures in crank-pins and the like. No. 1,052,392; Feb. 4; Gaz. vol. 187; p. 187.

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- Van Epp, Paul N., assignor of one-third to L. E. Owen, Port Clinton, Ohio. Trolley-catcher. No. 1,054,061; Feb. 25; Gaz. vol. 187; p. 870.
- Van Eppen, Charles D., Sidney, Ohio. Paper-feeding mechanism. No. 1,058,500; Apr. 8; Gaz. vol. 189; p. 425.
- Van Fleet, Bruce N., Portland, Me. Ticket-holder. No. 1,076,470; Oct. 21; Gaz. vol. 195; p. 703.
- Van Fossen, Charles L., Hastings-upon-Hudson, assignor to N. Y. Sanitation-Filtration Co., New York, N. Y. Filter-leaf. No. 1,078,812; Nov. 18; Gaz. vol. 196; p. 605.
- Van Gelder, Martinus, Philadelphia, Pa. Wheel-fender. No. 1,050,405; Jan. 14; Gaz. vol. 186; p. 403.
- Van Gelder, Martinus, Philadelphia, Pa. Reflector. No. 1,052,192; Feb. 4; Gaz. vol. 187; p. 121.
- Van Gelderen, Frederik, assignor to Lindsay Light Company, Chicago, Ill. Lamp. No. 1,071,372; Aug. 26; Gaz. vol. 193; p. 882.
- Van Gelderen, Frederik, assignor to Lindsay Light Company, Chicago, Ill. Globe-support. No. 1,071,537; Aug. 26; Gaz. vol. 193; p. 935.
- Van Gorder, Harry R. (See Hites and Van Gorder.)
- Van Hoesen, Benjamin, Snyder, Tex. Lock. No. 1,052,105; Feb. 4; Gaz. vol. 187; p. 91.
- Van Hoofstadt, Edward, New York, assignor to Anita Safety Match Company, Brooklyn, N. Y. Feeding mechanism. No. 1,050,875; Jan. 21; Gaz. vol. 186; p. 599.
- Van Horn, Alva L. (See Brittsan and Van Horn.)
- Van Horn, Vandiver J., assignor of one-half to J. W. O'Neill, Chicago, Ill. Feed mechanism for sewing-machines. No. 1,060,799; May 6; Gaz. vol. 190; p. 80.
- Van Horn, William H. (See Kemp and Van Horn.)
- Van Houten, Frank H., Jr., Fishkill-on-the-Hudson, N. Y. Machine for rounding up lumps of dough in the manufacture of bread. No. 1,067,953; July 22; Gaz. vol. 192; p. 801.
- Van Houten, Fred E., Denver, Colo. Weeding implement. No. 1,073,188; Sept. 16; Gaz. vol. 194; p. 591.
- Van Houweling, Arthur C., Pella, Iowa. Side conveyer for band-cutters and feeders. No. 1,076,533; Oct. 21; Gaz. vol. 195; p. 726.
- Van Houweling, Arthur C., Pella, Iowa. Attachment for lateral conveyers. No. 1,080,940; Dec. 9; Gaz. vol. 197; p. 387.
- Van Houweling, Arthur C., Pella, Iowa. Lateral conveyer for threshing-machine feeders. No. 1,082,716; Dec. 30; Gaz. vol. 197; p. 1087.
- Van Huffel, Nicolaas G., assignor to Naamlooze Vennootschap "Lux", Utrecht, Netherlands. Butter-cutting machine. No. 1,055,463; Mar. 11; Gaz. vol. 188; p. 309.
- Van Iderstine, John J., Kansas City, Mo. Vehicle-wheel. No. 1,067,386; July 15; Gaz. vol. 192; p. 578.
- Van Iderstine, John J., Kansas City, Mo. Vehicle-wheel. No. 1,080,128; Dec. 2; Gaz. vol. 197; p. 74.
- Van Kannel Revolving Door Company. (See Klecak, Bohumil, assignor.)
- Van Katwyk, Jacobus, Brooklyn, N. Y. Cylinder-screw. No. 1,070,560; Aug. 19; Gaz. vol. 193; p. 579.
- Van Kirk, Benjamin R., assignor, by mesne assignments, to The Baldwin Locomotive Works, Philadelphia, Pa. Car-truck. No. 1,060,517; Apr. 29; Gaz. vol. 189; p. 1230.
- Van Lenten, Maurice D., Paterson, N. J. Apparatus for delivering articles, such as mail-bags, from trains or moving bodies. No. 1,074,027; Sept. 23; Gaz. vol. 194; p. 903.
- Van Loy, Alois, Brussels, Belgium. Type-writer. No. 1,079,812; Nov. 25; Gaz. vol. 196; p. 981.
- Van Matre, William, *et al.* (See Tuttle, George H., assignor.)
- Van Ness, Frank W., assignor to F. J. Matchette, Milwaukee, Wis. Vacuum cleaning-tool. No. 1,053,683; Feb. 18; Gaz. vol. 187; p. 706.
- Van Ness, Frederick L., *et al.* (See Sayre, Theodore J., assignor.)
- Van Ness, T. C., Jr. (See De Villa, John F., assignor.)
- Van Noorden, Ezekiel, Boston, Mass. Automatic self-closing attachment for windows. No. 1,073,307; Sept. 16; Gaz. vol. 194; p. 634.
- Van Norman, Frederick D., assignor, by mesne assignments, to Van Norman Machine Tool Company, Springfield, Mass. Tool-holder for lathes. (Reissue.) No. 13,584; June 24; Gaz. vol. 191; p. 1040.
- Van Norman Machine Tool Company. (See Van Norman, Frederick D., assignor.) (Reissue.)
- Van Nordsall, Calvin L., Weir, Kans. Fish-hook. No. 1,055,104; Mar. 4; Gaz. vol. 188; p. 153.
- Van Nuis, Charles S., and J. W. Achard, Philadelphia, Pa. Mechanism for operating distant circuit-breakers. No. 1,051,929; Feb. 4; Gaz. vol. 187; p. 27.
- Van Orden Corset Company. (See Greenfield, William R., assignor.)
- Van Ormer, William O., Osceola, Mo. Door-holder. No. 1,081,795; Dec. 16; Gaz. vol. 197; p. 708.
- Van Osdel, William J., assignor of one-half to R. L. Eddy, Chicago, Ill. Cutting-tool. No. 1,075,450; Oct. 14; Gaz. vol. 195; p. 325.
- Van Patten, Andrew L., Los Angeles, Cal. Ozone-generator. No. 1,060,651; May 6; Gaz. vol. 190; p. 29.
- Van Patten, Andrew L., Los Angeles, Cal. Apparatus for producing medicated gas. No. 1,060,721; May 6; Gaz. vol. 190; p. 55.
- Van Pée, Friedrich W., Magdeburg-Sudenburg, Germany. Safety device for wearing-apparel. No. 1,049,783; Jan. 7; Gaz. vol. 186; p. 159.
- Van Pelt, Ada H., Los Angeles, Cal. Electric water-purifier. No. 1,057,367; Mar. 25; Gaz. vol. 188; p. 1019.
- Van Ranst, Samuel B., assignor to Crouse-Hinds Company, Syracuse, N. Y. Lamp-shade holder. No. 1,076,848; Oct. 28; Gaz. vol. 195; p. 890.
- Van Ristell, Albert E., Allahabad, India. Automatic signal-wire compensator. No. 1,052,534; Feb. 11; Gaz. vol. 187; p. 268.
- Van Roekel, Abraham, Orange City, Iowa. Corn-drying rack. No. 1,069,913; Aug. 12; Gaz. vol. 193; p. 314.
- Van Rooijen, Garrit, Chester, N. J. Trousers-stretcher. No. 1,072,881; Sept. 9; Gaz. vol. 194; p. 446.
- Van Sant, Leport R. (See Van Sant, Ralph N. and L. R.)
- Van Sant, Norman S., Philadelphia, Pa., assignor to Mergenthaler Linotype Company. Border-rule. No. 1,079,078; Nov. 18; Gaz. vol. 196; p. 698.
- Van Sant, Ralph N. and L. R., Peoria, Ill. Device for cutting butter and the like. No. 1,069,591; Aug. 5; Gaz. vol. 193; p. 172.
- Van Scoy, Howard, assignor to Goodwin Car Company, Chicago, Ill. Dump-car attachment. No. 1,074,994; Oct. 7; Gaz. vol. 195; p. 138.
- Van Sickle, George B., Garden City, N. Y., assignor to Edward Miller & Company, Meriden, Conn. Trapping device for gas-burners. No. 1,074,759; Oct. 7; Gaz. vol. 195; p. 60.
- Van Sickle, Wilber H., Philadelphia, Pa., assignor to Thos. H. Dallett Co. Tool-carrier for stone-dressing machines. No. 1,074,912; Oct. 7; Gaz. vol. 195; p. 110.
- Van Sickle, Charles E., Chicago, Ill., assignor of one-half to W. E. Gutenkunst, Jr., Milwaukee, Wis. Device for adjusting sliding-door tracks. No. 1,053,935; Feb. 18; Gaz. vol. 187; p. 790.
- Van Sickle, Richard, Campina, Roumania. Boring process for deep wells. No. 1,065,409; June 24; Gaz. vol. 191; p. 866.
- Van Sinderen, John H., Albany, N. Y. Lubricator. No. 1,080,027; Dec. 2; Gaz. vol. 197; p. 38.
- Van Slyke, John C., Fort Collins, Colo. Time-controlled mechanism for operating electric switches. No. 1,080,608; Dec. 9; Gaz. vol. 197; p. 271.
- Van Tassel, John R., Geneva, assignor, by mesne assignments, to E. Kirstein Sons Company, Rochester, and L. F. Adt, Albany, N. Y. Eyeglasses. (Reissue.) No. 13,537; Feb. 25; Gaz. vol. 187; p. 1078.
- Van Valkenburg, Burt R., Oakland, Cal. Control-valve. No. 1,053,936; Feb. 18; Gaz. vol. 187; p. 791.
- Van Valkenburg, Burt R., Oakland, Cal. Piano-player-operating mechanism. No. 1,054,806; Mar. 4; Gaz. vol. 188; p. 53.
- Van Valkenburg, Burt R., Oakland, Cal. Hammer-action for player musical instruments. No. 1,059,507; Apr. 22; Gaz. vol. 189; p. 847.
- Van Valkenburg, Burt R., Oakland, Cal. Piano-playing mechanism. No. 1,074,563; Sept. 30; Gaz. vol. 194; p. 1108.
- Van Valkenburg, Burt R., Oakland, Cal. Piano-playing mechanism. No. 1,077,206; Oct. 28; Gaz. vol. 195; p. 1009.
- Van Valkenburg, Levi D., Holyoke, Mass. Retainer for fountain-pens and pencils. (Reissue.) No. 13,596; July 15; Gaz. vol. 192; p. 717.
- Van Valkenburg, Randall T., Hagerstown, Md. Transmission mechanism. No. 1,052,772; Feb. 11; Gaz. vol. 187; p. 347.
- Van Valkenburgh, Ralph D., Chicago, Ill. Ice conveyer and elevator. No. 1,049,623; Jan. 7; Gaz. vol. 186; p. 106.
- Van Vechten, George, Rochester, N. Y. Pump-valve. No. 1,052,294; Feb. 4; Gaz. vol. 187; p. 155.
- Van Vleck, Horace R., Montclair, N. J. Lamp. No. 1,078,389; Nov. 11; Gaz. vol. 196; p. 429.
- Van Voorhis, George S., Brookline, Mass. Means for issuing directions concerning care of motor-vehicles. No. 1,077,657; Nov. 4; Gaz. vol. 196; p. 143.
- Van Voorst, Menne, Herreid, S. D. Beet-harvester. No. 1,081,349; Dec. 16; Gaz. vol. 197; p. 560.
- Van Winkle, Walter H., Newark, N. J. Device for preventing excessive pressure in pneumatic tires. No. 1,082,182; Dec. 23; Gaz. vol. 197; p. 867.
- Van Wormer, John R., Toledo, Ohio, assignor to The Weiss-Van Wormer Company, Monroe, Mich. Making paper bottles. No. 1,083,263; Dec. 30; Gaz. vol. 197; p. 1267.
- Van Wye, Garry P., New York, N. Y. Egg-tester. No. 1,064,793; June 17; Gaz. vol. 191; p. 624.
- Van Zante, Dielis P., Pella, Iowa. Stirrup. No. 1,079,813; Nov. 25; Gaz. vol. 196; p. 982.
- Van Zile, Harry L., New York, N. Y. Wind-deflector. No. 1,071,280; Aug. 26; Gaz. vol. 193; p. 850.
- Vanaker, Alfred, *et al.* (See Millet, Félix T., assignor.)
- Vance, Albert J., Chicago, Ill. Folding paper box. No. 1,081,068; Dec. 9; Gaz. vol. 197; p. 427.

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- Vance, Charles E., Pittsburgh, Pa. Blow-off valve. No. 1,072,796; Sept. 9; Gaz. vol. 194; p. 415.
- Vance, Dan, Missouri Valley, Iowa, assignor of nineteen one-hundredths to J. W. Thomas, Kansas City, Kans. Bolt and nut retaining means. No. 1,064,792; June 17; Gaz. vol. 191; p. 624.
- Vance, David T., Plumtree, N. C. Washer-stringer. No. 1,060,515; Apr. 29; Gaz. vol. 189; p. 1229.
- Vance, Grover. (See Denham and Vance.)
- Vance, James T. (See Johnson and Vance.)
- Vance, John G., assignor of thirty-seven and one-half one-hundredths to J. J. Weisner and twenty-five one-hundredths to P. H. Rue, Franklin, Ohio. Rim-finishing machine. No. 1,057,785; Apr. 1; Gaz. vol. 189; p. 133.
- Vance, John G., assignor of thirty-seven and one-half one-hundredths to J. J. Weisner and twenty-five one-hundredths to P. H. Rue, Franklin, Ohio. Rim polishing and finishing machine. No. 1,057,786; Apr. 1; Gaz. vol. 189; p. 133.
- Vance, Thomas W., Columbus, Ohio. Overalls. No. 1,071,483; Aug. 26; Gaz. vol. 193; p. 918.
- Vance, Walter N., Chicago, Ill. Metal shelving. No. 1,057,189; Mar. 25; Gaz. vol. 188; p. 961.
- Vance, William G., Hagie, Wyo. Harrow attachment. No. 1,062,063; May 20; Gaz. vol. 190; p. 587.
- Vance, William L., Cleveland, Ohio. Safety card-record. No. 1,076,083; Oct. 21; Gaz. vol. 195; p. 568.
- Vandagriff, James V., Lyra, Tex. Vending-machine. No. 1,051,786; Jan. 28; Gaz. vol. 186; p. 940.
- Vandal, Marcel, Paris, France. Control of brushes. No. 1,080,390; Dec. 2; Gaz. vol. 197; p. 168.
- Vandaveer Clay Products Company. (See Vandaveer and Stoy, assignors.)
- Vandaveer, Heber C., Harris county, and G. E. Stoy, Galveston county, assignors to Vandaveer Clay Products Company, Houston, Tex. Liquid or gaseous fuel burner. No. 1,059,237; Apr. 15; Gaz. vol. 189; p. 716.
- Vandegriff, James N., assignor to Railway Roller Bearing Company, Syracuse, N. Y. Car-wheel. No. 1,071,000; Aug. 19; Gaz. vol. 193; p. 722.
- Vandehy, Peter. (See Klister and Vandehy.)
- Vandenbergh, John A., East Lynn, Mass. Shoe-pattern for upper-leathers. No. 1,066,866; July 8; Gaz. vol. 192; p. 364.
- Vandercook, Robert O., Chicago, Ill. Proof printing-press. No. 1,076,084; Oct. 21; Gaz. vol. 195; p. 569.
- Vanderhoef, Francis B., New York, N. Y. Hat-press. No. 1,059,238; Apr. 15; Gaz. vol. 189; p. 716.
- Vanderhoef, Francis B., New York, N. Y. Hat-block. No. 1,059,239; Apr. 15; Gaz. vol. 189; p. 716.
- Vanderlip, Louis C., Elkhart, Ind. Explosion-engine. No. 1,066,168; July 1; Gaz. vol. 192; p. 93.
- Vanderpool, Harry. (See Haven and Vanderpool.)
- Vanderveer, David E., Detroit, Mich., assignor to The Cleveland Hardware Company, Cleveland, Ohio. Vehicle top construction. No. 1,065,010; June 17; Gaz. vol. 191; p. 694.
- Vanderveld, Anthony. (See Dodge, Freeman, and Vanderveld.) (Reissue.)
- Vanderveld, Anthony, Grand Rapids, Mich. Brush-making machine. No. 1,058,498; Apr. 8; Gaz. vol. 189; p. 424.
- Vanderveld, Anthony, Grand Rapids, Mich. Brush-making machine. No. 1,058,499; Apr. 8; Gaz. vol. 189; p. 424.
- Vanderveld, Anthony, Grand Rapids, Mich. Brush. No. 1,070,860; Aug. 19; Gaz. vol. 193; p. 677.
- Vanderveld, Anthony, Grand Rapids, Mich. Bristle-bed for brush-machines. No. 1,070,861; Aug. 19; Gaz. vol. 193; p. 677.
- Vanderveld, Anthony, Grand Rapids, Mich. Automatic stop mechanism for power-driven machines. No. 1,080,870; Dec. 9; Gaz. vol. 197; p. 363.
- Vandervell, Charles A. (See Midgley and Vandervell.)
- Vanderwater, Daniel B., Liberty, Tex. Agricultural implement. No. 1,077,443; Nov. 4; Gaz. vol. 196; p. 72.
- Vandewater, Charles G., Akron, Ind. Reinforced-concrete tie. No. 1,082,054; Dec. 23; Gaz. vol. 197; p. 825.
- Vandonk, Cornelius H., Wells, Mich. Car-stake and pocket. No. 1,074,668; Oct. 7; Gaz. vol. 195; p. 28.
- Vanhauter, Peter A., Lodi, N. J. Burglar-alarm. No. 1,060,516; Apr. 29; Gaz. vol. 189; p. 1230.
- Vaniman, Ida L., administratrix. (See Vaniman, Melvin.)
- Vaniman, Melvin, deceased, Gennevilliers, France; I. L. Vaniman, administratrix. Shelter for housing dirigible balloons. No. 1,057,366; Mar. 25; Gaz. vol. 188; p. 1018.
- Vaniman, Melvin, Atlantic City, N. J., assignor to International Aeronautical Construction Company. Making balloons. No. 1,081,792; Dec. 16; Gaz. vol. 197; p. 707.
- Vaniman, Melvin, Atlantic City, N. J., assignor to International Aeronautical Construction Company. Apparatus for building or covering balloons. No. 1,081,793; Dec. 16; Gaz. vol. 197; p. 707.
- Vaniman, Melvin, Atlantic City, N. J., assignor to International Aeronautical Construction Company. Balloon. No. 1,081,794; Dec. 16; Gaz. vol. 197; p. 707.
- Vannyleen, Jean A., Paris, France. Brick-presser with double compression. No. 1,056,959; Mar. 25; Gaz. vol. 188; p. 881.
- Vanskiver, William H., assignor to Auto Machine Company, Leetonia, Ohio. Emergency-spindle for automobiles. No. 1,076,471; Oct. 21; Gaz. vol. 195; p. 704.
- Vapo Company, The. (See Hall, Herman S., assignor.)
- Varcoe, Earl V., Honesdale, Pa. Driving-gear for motor-vehicles. No. 1,072,797; Sept. 9; Gaz. vol. 194; p. 415.
- Vardaman, Albert T. (See Vardaman, Robert M. and A. T.)
- Vardaman, Robert M. and A. T., Ironaton, Ala. Sod-liner. No. 1,072,798; Sept. 9; Gaz. vol. 194; p. 415.
- Varga, Frank, Cleveland, Ohio. Sharpening device. No. 1,081,796; Dec. 16; Gaz. vol. 197; p. 708.
- Varga, Paul, New York, N. Y. Lock. No. 1,050,579; Jan. 14; Gaz. vol. 186; p. 465.
- Vargyas, Eugene von, Pittsburgh, Pa. Rubber compound. No. 1,061,207; May 6; Gaz. vol. 190; p. 222.
- Variety Manufacturing Company. (See Burch and Gervais, assignors.)
- Variety Manufacturing Company. (See Gilmore, Millard, assignor.)
- Varley Duplex Magnet Company. (See Scott, Archibald D., assignor.)
- Varley Duplex Magnet Company. (See Varley, Richard, assignor.)
- Varley, Richard, Englewood, N. J. Electrical system. No. 1,081,413; Dec. 16; Gaz. vol. 197; p. 581.
- Varley, Richard, Englewood, assignor to Varley Duplex Magnet Company, Jersey City, N. J. Ignition system and apparatus. No. 1,071,373; Aug. 26; Gaz. vol. 193; p. 882.
- Varley, Richard, Englewood, assignor to Varley Duplex Magnet Company, Jersey City, N. J. Starter apparatus and system for autovehicles. No. 1,072,279; Sept. 2; Gaz. vol. 194; p. 206.
- Varley, Richard, Englewood, assignor to Varley Duplex Magnet Company, Jersey City, N. J. Making coils. No. 1,073,059; Sept. 9; Gaz. vol. 194; p. 510.
- Varley, Richard, Englewood, assignor to Varley Duplex Magnet Company, Jersey City, N. J. Electric coil. No. 1,073,060; Sept. 9; Gaz. vol. 194; p. 510.
- Varley, Thomas W., New York, N. Y., assignor to Westinghouse Electric and Manufacturing Company. Commutator-brush. No. 1,082,571; Dec. 30; Gaz. vol. 197; p. 1035.
- Varney, Theodore. (See Davis and Varney.)
- Varney, Theodore, Pittsburgh, Pa., assignor to Westinghouse Electric and Manufacturing Company. System of electric-motor control. No. 1,063,400; June 3; Gaz. vol. 191; p. 79.
- Varney, Theodore, Pittsburgh, Pa., assignor to Westinghouse Electric and Manufacturing Company. Anchor structure for overhead lines. No. 1,078,647; Nov. 18; Gaz. vol. 196; p. 546.
- Varnum, Henry, Jacksonville, Fla. Lock for mail-sacks. No. 1,055,002; Mar. 4; Gaz. vol. 188; p. 119.
- Vary, Elmer A., Middleport, N. Y. Fruit-pitting machine. No. 1,074,393; Sept. 30; Gaz. vol. 194; p. 1054.
- Vary, Elmer A., Middleport, N. Y. Gravity-feed can-marking machine. No. 1,080,504; Dec. 2; Gaz. vol. 197; p. 204.
- Vasconcellos, Julio, *et al.* (See Simas, Michael P., assignor.)
- Vashaw, Louis, Bergland, Mich. Saw set and adjusting gage. No. 1,055,984; Mar. 11; Gaz. vol. 188; p. 483.
- Vassen, Wilhelm, Aachen-Forst, Germany. Rolling profile iron with parallel flanges. No. 1,068,467; July 29; Gaz. vol. 192; p. 1018.
- Vaterhaus, Henry, Cooks, Mich. Nut-lock. No. 1,075,523; Oct. 14; Gaz. vol. 195; p. 349.
- Vatne, John. (See Haga, Ottar B., assignor.)
- Vauclain, Andrew C., Philadelphia, Pa. Apparatus for assembling car-trucks. No. 1,059,789; Apr. 22; Gaz. vol. 189; p. 939.
- Vauclain, Andrew C., assignor to Southwark Foundry & Machine Co., Philadelphia, Pa. Steam-turbine. No. 1,070,309; Aug. 12; Gaz. vol. 193; p. 450.
- Vauclain, Jacques L., Philadelphia, Pa., assignor to Locomotive Superheater Company. Superheater. No. 1,057,691; Apr. 1; Gaz. vol. 189; p. 101.
- Vauclain, Samuel M., Philadelphia, Pa., assignor, by mesne assignments, to Locomotive Superheater Company. Smoke-box superheater. No. 1,057,690; Apr. 1; Gaz. vol. 189; p. 100.
- Vauclain, Samuel M., Philadelphia, Pa., assignor to Locomotive Superheater Company. Superheater. No. 1,057,692; Apr. 1; Gaz. vol. 189; p. 101.
- Vauclain, Samuel M., assignor to The Baldwin Locomotive Works, Philadelphia, Pa. Tender-frame. No. 1,070,211; Aug. 12; Gaz. vol. 193; p. 416.
- Vauclain, Samuel M., assignor to The Baldwin Locomotive Works, Philadelphia, Pa. Locomotive-frame. No. 1,076,336; Oct. 21; Gaz. vol. 195; p. 656.
- Vauclain, Samuel M., Philadelphia, Pa., M. Linton, Moorestown, N. J., and G. R. Henderson, assignors to The Baldwin Locomotive Works, Philadelphia, Pa. Geared locomotive. No. 1,077,769; Nov. 4; Gaz. vol. 196; p. 182.
- Vaudt, William, Booneville, Iowa. Seed-corn rack. No. 1,064,401; June 10; Gaz. vol. 191; p. 456.

Alphabetical list of patentees—Continued.

- Vaughan, Bernard G., assignor to National Match Company, Joliet, Ill. Match-splint cleaning and assembling machine. No. 1,072,882; Sept. 9; Gaz. vol. 194; p. 446.
- Vaughan, David F., Haddonfield, N. J. Anticreeper for railway-rails. No. 1,071,116; Aug. 26; Gaz. vol. 193; p. 796.
- Vaughan, Elbert E. and F. T. Klasgrye, Cleveland, Ohio. Fluid transmission for motor-vehicles. No. 1,056,606; Mar. 18; Gaz. vol. 188; p. 730.
- Vaughan, Eliza. (See Black, Josiah, assignor.)
- Vaughan, Henry H. (See Burnett and Vaughan.)
- Vaughan, Henry H., Montreal, Quebec, Canada. Frame connection for articulated locomotives. No. 1,064,032; June 10; Gaz. vol. 191; p. 329.
- Vaughan, Henry H., Montreal, Quebec, Canada. Feed-water heater. No. 1,069,360; Aug. 5; Gaz. vol. 193; p. 95.
- Vaughan, James H., Mobile, Ala. Adjustable car-step. No. 1,062,523; May 20; Gaz. vol. 190; p. 741.
- Vaughan, Louis, Blair, assignor of one-half to L. W. Turner, Lincoln, Nebr. Muffler. No. 1,058,393; Apr. 8; Gaz. vol. 189; p. 388.
- Vaughan Manufacturing Company. (See Bradley and Shattuck, assignors.)
- Vaughn, Francis W., Jr., West Medford, assignor to Vaughn-Upton Company, Boston, Mass. Fountain-pen. No. 1,071,538; Aug. 26; Gaz. vol. 193; p. 936.
- Vaughn, Fred S., Chicago, assignor of one-half to J. R. Brown, Quincy, Ill. Fluid-pressure system and automatic governor therefor. No. 1,050,876; Jan. 21; Gaz. vol. 186; p. 600.
- Vaughn, Jerry A., Montello, Wis. Hoisting device. No. 1,078,756; Nov. 18; Gaz. vol. 196; p. 585.
- Vaughn, John W., Noroton Heights, Conn. Hat, coat, cane, opera-glass, hand-bag, and umbrella holder. No. 1,051,930; Feb. 4; Gaz. vol. 187; p. 28.
- Vaughn, John W., Noroton Heights, Conn. Recorder or register. No. 1,055,577; Mar. 11; Gaz. vol. 188; p. 345.
- Vaughn, John W., Noroton Heights, Conn. Postal scale. No. 1,080,391; Dec. 2; Gaz. vol. 197; p. 168.
- Vaughn, Thomas E., Chicago, Ill., and J. H. Bruninga, assignors to Champion Ventilator Company, St. Louis, Mo. Ventilator for buildings. No. 1,074,143; Sept. 30; Gaz. vol. 194; p. 971.
- Vaughn-Upton Company. (See Vaughn, Francis W., Jr., assignor.)
- Vaught, James C. H., San Francisco, Cal. Chuck for rock-drills. No. 1,068,612; July 29; Gaz. vol. 192; p. 1068.
- Vaught, Silas W., Gorman, Tex. Windmill attachment. No. 1,076,251; Oct. 21; Gaz. vol. 195; p. 625.
- Vautier-Dufour, Auguste, Grandson, Switzerland. Photographic camera. No. 1,051,034; Jan. 21; Gaz. vol. 186; p. 656.
- Vautier-Dufour, Auguste, Grandson, Switzerland. Photographic camera. No. 1,058,501; Apr. 8; Gaz. vol. 189; p. 425.
- Vawter, Frank M., in trust. (See Fraser, John A., assignor.)
- Veaco, William S., Berkeley, and T. J. Bennett, San Francisco, Cal. Mixing apparatus. No. 1,075,524; Oct. 14; Gaz. vol. 195; p. 350.
- Veasey, Albion A. (See Conner and Veasey.)
- Veatch, Marion L. (See Allen and Veatch.)
- Vechinsky, Ladislaus J., Port Edwards, assignor of one-half to G. E. Marvin, Nekoosa, Wis., and one-half to A. B. Marvin, Chicago, Ill. Automatic roll-skipping mechanism. No. 1,057,468; Apr. 1; Gaz. vol. 189; p. 24.
- Vedvig, Martin J. (See Cook and Vedvig.)
- Veeck, Max. (See Reichert and Veeck.)
- Veeder, Curtis H., Hartford, Conn. Hub-odometer. No. 1,081,561; Dec. 16; Gaz. vol. 197; p. 631.
- Veider, Josef, Prague-Lieben, Austria-Hungary. Straw hat. No. 1,071,374; Aug. 26; Gaz. vol. 193; p. 883.
- Veillard, Albert W. A. E. (See Robertson and Veillard.)
- Veiser, Herman, Philadelphia, Pa. Window. No. 1,079,525; Nov. 25; Gaz. vol. 196; p. 879.
- Veit, Josef. (See Behrens and Veit.)
- Veit, Sigmund, Göppingen, Germany. Paper-maker's drying-felt. No. 1,050,406; Jan. 14; Gaz. vol. 186; p. 403.
- Veitch, Thomas. (See Webb and Veitch.)
- Veitl, Albert, assignor to Dakota Farm Machine Company, Deadwood, S. D. Combined planter, pulverizer, and weed-destroyer. No. 1,082,055; Dec. 23; Gaz. vol. 197; p. 825.
- Vellie Carriage Company. (See Ryerson, Daniel, assignor.)
- Vellebit, Ernst R. S. von, Vienna, Austria-Hungary. Ejector for the smoking gases of blast-furnaces and the like. No. 1,071,596; Aug. 26; Gaz. vol. 193; p. 955.
- Vellère, Algernon, Barnes, England. Point-lever for use on railways and the like. No. 1,081,708; Dec. 16; Gaz. vol. 197; p. 677.
- Venches, Frank, assignor of one-third to F. A. Sharpe, Holden, W. Va. Rail-joint. No. 1,051,652; Jan. 28; Gaz. vol. 186; p. 897.
- Vencill, Albert L., Wilksburg, assignor to The Union Switch & Signal Company, Swissvale, Pa. Railway signaling system. No. 1,076,176; Oct. 21; Gaz. vol. 195; p. 600.
- Venn-Severin Machine Co. (See Severin, Frank W., assignor.)
- Venners, James H., assignor of one-fourth to W. L. Millspaugh, one-fourth to W. W. Court, and one-fourth to F. V. Court, Brooklyn, N. Y. Steering mechanism for motor-vehicles. No. 1,049,421; Jan. 7; Gaz. vol. 186; p. 35.
- Vensel, Harry R., Creekside, Pa. Steel railway-tie. No. 1,063,927; June 3; Gaz. vol. 191; p. 260.
- Ver Planck, William E., Erie, Pa., assignor to General Electric Company. Means for supporting engines in self-propelled vehicles. No. 1,080,736; Dec. 9; Gaz. vol. 197; p. 315.
- Ver Planck, William E., Erie, Pa., assignor to General Electric Company. Air-compressor. No. 1,080,737; Dec. 9; Gaz. vol. 197; p. 315.
- Verbeke, Richard, Tryon, N. C. Fountain-brush. No. 1,051,292; Jan. 21; Gaz. vol. 186; p. 742.
- Verbeke, Richard, Tryon, N. C. Track for casters, &c. No. 1,065,989; July 1; Gaz. vol. 192; p. 30.
- Vereinigte Chemische Werke Aktiengesellschaft. (See Schönthan, Hans von, assignor.)
- Vereinigte Chininfabriken Zimmer & Co., G. m. b. H. (See Thron, Heinrich, assignor.)
- Vereinigte Chininfabriken Zimmer & Co., G. m. b. H. (See Thron and Freund, assignors.)
- Vereinigte Glanzstoff-Fabriken A.-G. (See Boos, Eduard, assignor.)
- Vereinigte Glanzstoff Fabriken Aktiengesellschaft. (See Bronnert, Emile, assignor.)
- Vereinigte Kunstseidefabriken A. G. (See Dietler, Friedrich, assignor.)
- Vergason, Charles H. (See Doolittle, Winsor, and Vergason.)
- Verge, Reginald E. (See Cuvelier, Louis, assignor.)
- Verges Manufacturing Co. (See Dennis, William, assignor.)
- Verity, Henry H., and J. Hanson, New York, N. Y. Stair-tread anchor. No. 1,056,607; Mar. 18; Gaz. vol. 188; p. 730.
- Verity, Percy E. (See Gibbs, William, assignor.)
- Verity, Robert H. (See Jones and Verity.)
- Vermersch, Adolphe, Lille, France. Suspension-spring for vehicles. No. 1,082,217; Dec. 23; Gaz. vol. 197; p. 879.
- Vermeulen, George, Bellingham, Wash. Car-roof. No. 1,057,511; Apr. 1; Gaz. vol. 189; p. 40.
- Verner, Samuel P., Bas Obispo, Canal Zone. Animal-trap. No. 1,075,954; Oct. 14; Gaz. vol. 195; p. 496.
- Vernon, Doctor B. (See Bow and Vernon.)
- Vernon-Inkpen, George C., Portsmouth, England. Concrete screw-pile for foundations and similar purposes. No. 1,070,862; Aug. 19; Gaz. vol. 193; p. 677.
- Vernon, James B., assignor to Lee S. Smith & Son Company, Pittsburgh, Pa. Compression and suction machine. No. 1,056,859; Mar. 25; Gaz. vol. 188; p. 845.
- Vernon, James B., assignor to Lee S. Smith & Son Company, Pittsburgh, Pa. Rotary motor and pump. No. 1,082,183; Dec. 23; Gaz. vol. 197; p. 867.
- Verrette, Arthur A., Haverhill, Mass. Knockdown fruit-basket. No. 1,050,407; Jan. 14; Gaz. vol. 186; p. 403.
- Verstraelen, Michael, near Inglewood, assignor of one-half to J. H. Burton, Ocean Park, Cal. Automatic piano-player. No. 1,051,468; Jan. 28; Gaz. vol. 186; p. 835.
- Vertical Drainage Company. (See Beall, Albert E., assignor.)
- Vertrees, William J., Bushnell, Ill. Trough. No. 1,076,724; Oct. 28; Gaz. vol. 195; p. 847.
- Verzani, William A., Newcastle, Nebr. Fly-trap. No. 1,053,251; Feb. 18; Gaz. vol. 187; p. 557.
- Verzier, Antoine, Grand-Croix, assignor to Société Française D'Exploitation de Fours spéciaux à haute température, Paris, France. Reverberatory furnace. No. 1,058,647; Apr. 8; Gaz. vol. 189; p. 472.
- Vescovi, Peter. (See Chiariglione, Vescovi, and Gobatti.)
- Vescovi, Pietro, Pueblo, Colo. Folding safety-boat. No. 1,082,833; Dec. 30; Gaz. vol. 197; p. 1128.
- Vesey, Richard H., Denver, Colo. Lock for garment-hooks. No. 1,067,694; July 15; Gaz. vol. 192; p. 683.
- Vesey, Richard H., Denver, Colo. Coat, hat, and umbrella lock. No. 1,068,951; July 29; Gaz. vol. 192; p. 1188.
- Vesey, Richard H., assignor to The H. & B. Manufacturing Company, Denver, Colo. Journal-lubricator. No. 1,051,293; Jan. 21; Gaz. vol. 186; p. 743.
- Vesta Accumulator Company. (See Heizer, Alexander L., assignor.)
- Vettel, Andrew, Jr., Sandusky, Ohio. Sleigh attachment for power-driven vehicles. No. 1,065,011; June 17; Gaz. vol. 191; p. 695.
- Vetter, Clarence A., Pittsburgh, Pa., assignor, by mesne assignments, to Best Electric Company. Lamp-socket. No. 1,078,813; Nov. 18; Gaz. vol. 196; p. 606.
- Vetter, William S., New York, assignor of one-half to J. J. Barber, Brooklyn, N. Y. Case-making machine. No. 1,078,527; Nov. 11; Gaz. vol. 196; p. 473.

Alphabetical list of patentees—Continued.

- Vezina, Antoine E., Brandon, Manitoba, Canada. Attachment to furnace-doors. No. 1,068,715; July 29; Gaz. vol. 192; p. 1104.
- Viall, William G., assignor to The Ives Manufacturing Corporation, Bridgeport, Conn. Commutator. No. 1,060,722; May 6; Gaz. vol. 190; p. 55.
- Vialleix, Pierre, and F. Perrin, Volvic, France. Apparatus for concentrating sulfuric acid. No. 1,066,557; July 8; Gaz. vol. 192; p. 257.
- Vibber, Wheeler H., assignor of one-half to The Gillette-Vibber Co., New London, Conn. Pipe-conduit fitting for electric installation. No. 1,064,402; June 10; Gaz. vol. 191; p. 456.
- Vibrocel Company, The. (See Lynde and Calthrop, assignors.)
- Vick, Augustas T., St. Louis, Mo. Locomotive-boiler washing-out and refilling system. No. 1,065,644; June 24; Gaz. vol. 191; p. 945.
- Vickers, Edwin J., New Philadelphia, Ohio. Account-file. No. 1,061,340; May 13; Gaz. vol. 190; p. 301.
- Vickers Limited. (See Benthall, John L., assignor.)
- Vickers Limited. (See Dawson and Buckham, assignors.)
- Vickers Limited. (See Dawson and Horne, assignors.)
- Vickers Limited. (See Elia, Giovanni E., assignor.)
- Vickers Limited. (See Maxim, Hiram S., assignor.)
- Vickers Limited. (See McKechnie, James, assignor.)
- Vickers Limited. (See Remington, Alfred A., assignor.)
- Vickers, Roy H., Fayetteville, Ark. Circuit-closer for incandescent-electric-lamp sockets. No. 1,055,578; Mar. 11; Gaz. vol. 188; p. 346.
- Vickery, Thomas F., assignor of one-half to W. H. Cooper, New London, Conn. Foot-rest. No. 1,060,385; Apr. 29; Gaz. vol. 189; p. 1184.
- Vickrey, Eli W., Indianapolis, Ind. Faucet. No. 1,078,325; Nov. 11; Gaz. vol. 196; p. 405.
- Victor, Alexander F., Davenport, Iowa. Stereopticon. No. 1,062,622; May 27; Gaz. vol. 190; p. 816.
- Victor, Alexander F., Davenport, Iowa. Lamp for picture-display machines. No. 1,063,401; June 3; Gaz. vol. 191; p. 79.
- Victor Manufacturing Company. (See Moody, Henry T., assignor.)
- Victor Talking Machine Company. (See Babson and Haug, assignors.)
- Victor Talking Machine Company. (See Dennison, Wilburn N., assignor.)
- Victor Talking Machine Company. (See Diehl, Albert C., assignor.)
- Victor Talking Machine Company, The. (See Elfering, John H., assignor.)
- Victor Talking Machine Company. (See English, John C., assignor.)
- Victor Talking Machine Company. (See Johnson, Eldridge R., assignor.)
- Victor Talking Machine Company. (See Johnson and English, assignors.)
- Victor Talking Machine Company. (See Lumière, Louis, assignor.)
- Victor Talking Machine Company. (See Owen, James W., assignor.)
- Victor Talking Machine Company. (See Rinehart, Bentley L., assignor.)
- Victor Talking Machine Company. (See Wickes, Clarence S., assignor.)
- Victor Typewriter Company. (See Hagerstrom, John A., assignor.)
- Victor Vacuum Cleaning Company. (See Williams, Calvin C., assignor.)
- Victory, William, and W. J. Parsons, Montague, assignors to Millers Falls Company, Millers Falls, Mass. Magazine for automatic machines. No. 1,065,088; June 17; Gaz. vol. 191; p. 721.
- Vidal, Charles H., Chiswick, England. Spring-tire for wheels of vehicles. No. 1,080,129; Dec. 2; Gaz. vol. 197; p. 74.
- Vidinghoff, Charles A., Buffalo, N. Y. Card-delivering device. No. 1,075,173; Oct. 7; Gaz. vol. 195; p. 201.
- Vidy, Louis A., Ogden, Utah. Air-valve. No. 1,066,066; July 1; Gaz. vol. 192; p. 57.
- Viele, James A., Warren, Pa. Motor-car transmission-gearing. No. 1,050,500; Jan. 14; Gaz. vol. 186; p. 438.
- Vierengel, Matthew, Brooklyn, N. Y. Envelop-fastener. No. 1,061,341; May 13; Gaz. vol. 190; p. 302.
- Vierengel, Matthew, Brooklyn, N. Y. Machine for applying patches and fasteners to envelops. No. 1,078,473; Nov. 11; Gaz. vol. 196; p. 456.
- Vierengel, Matthew, assignor, by mesne assignments, to The Autopress Company, New York, N. Y. Printing-press. No. 1,072,883; Sept. 9; Gaz. vol. 194; p. 447.
- Viering, Frederick W., Davis, W. Va. Apparatus for transporting logs. (Reissue.) No. 13,585; June 24; Gaz. vol. 191; p. 1040.
- Viering, Frederick W., Davis, W. Va. Apparatus for transporting logs. No. 1,066,345; July 1; Gaz. vol. 192; p. 155.
- Viertel, Eduard, Treptow, near Berlin, and H. Viertel, assignors to Gebrüder Siemens & Co., Lichtenberg, near Berlin, Germany. Means for joining electrodes. No. 1,049,624; Jan. 7; Gaz. vol. 186; p. 106.
- Viertel, Hermann. (See Viertel, Eduard and H.)
- Vieson, Joseph, Detroit, Mich. Driving mechanism for vibrators. No. 1,080,609; Dec. 9; Gaz. vol. 197; p. 272.
- Vietinghoff, Karl von. (See Bystron, Joseph, assignor.)
- Vigano, Heinrich, Wilmersdorf, near Berlin, Germany. Suction-plate for artificial teeth. No. 1,068,952; July 29; Gaz. vol. 192; p. 1188.
- Viger, Louis, New York, N. Y. Automatic water-sterilizer. No. 1,067,695; July 15; Gaz. vol. 192; p. 683.
- Vigneaux, Georges, Paris, France. Extraction of tartaric salts from waste tartarous materials. No. 1,060,869; May 6; Gaz. vol. 190; p. 106.
- Vilas, Percival M. (See McKee and Vilas.)
- Villere, Gus. (See Larose, Theophile, assignor.)
- Villiger, Joseph, and E. J. Schierer, Metamora, Ill. Fifth-wheel. No. 1,078,709; Nov. 18; Gaz. vol. 196; p. 569.
- Villinger, William E., Williamsport, Pa. Planing-machine. No. 1,083,160; Dec. 30; Gaz. vol. 197; p. 1234.
- Vinal, Joseph W. (See Hentz and Vinal.)
- Vincent, Ernest H., Emeryville, Cal. Auto dumping-truck. No. 1,077,570; Nov. 4; Gaz. vol. 196; p. 115.
- Vincent, Ernest P., Oceanic, N. J. Aeroplane. No. 1,066,346; July 1; Gaz. vol. 192; p. 156.
- Vincent, Ferdinand J. and V. E., Cleveland, Ohio. Expandable pulley. No. 1,068,188; July 22; Gaz. vol. 192; p. 882.
- Vincent, James M. (See Flanders, Otis S., assignor.)
- Vincent, Jesse G., assignor to Burroughs Adding Machine Company, Detroit, Mich. Adding-machine. No. 1,054,154; Feb. 25; Gaz. vol. 187; p. 902.
- Vincent, Jesse G., assignor to Burroughs Adding Machine Company, Detroit, Mich. Power-drive for adding-machines. No. 1,054,628; Feb. 25; Gaz. vol. 187; p. 1063.
- Vincent, Jesse G., assignor to Hudson Motor Car Company, Detroit, Mich. Lubricator. No. 1,063,143; May 27; Gaz. vol. 190; p. 987.
- Vincent, Venantius E. (See Vincent, Ferdinand J. and V. E.)
- Vincent, William W., assignor to The Simmons Manufacturing Company, Kenosha, Wis. Lacquering-machine. No. 1,080,392; Dec. 2; Gaz. vol. 197; p. 169.
- Viney, George, Pittsburgh, Pa. Buttermilk-cooler. No. 1,081,350; Dec. 16; Gaz. vol. 197; p. 560.
- Vingum, Martin. (See Mandt and Vingum.)
- Vinson, James, Tunnel Hill, Ill. Motor. No. 1,078,074; Nov. 11; Gaz. vol. 196; p. 318.
- Vinto, William H. (See Bell and Vinto.)
- Viquerat, Alois, deceased, Lausanne, Switzerland; widow and heirs assignors to Société générale pour l'exploitation de la catalysine et autres produits pharmaceutiques. Medicinal composition. No. 1,081,069; Dec. 9; Gaz. vol. 197; p. 427.
- Viragh, Stephen, Swissvale, Pa. Reversible window. No. 1,082,663; Dec. 30; Gaz. vol. 197; p. 1067.
- Virden Manufacturing Company, The. (See Aspinwall, Robert S., assignor.)
- Virginia Aerial Manufacturing Company. (See Johnston, Greenhow, assignor.)
- Virginia Laboratory Company. (See Kügelgen and Seward, assignors.)
- Virtue, George, New Philadelphia, Ohio. Fire-escape. No. 1,052,773; Feb. 11; Gaz. vol. 187; p. 348.
- Virtue, Thomas J., Chauncey, Pa. Cross-rein buckle. No. 1,080,665; Dec. 9; Gaz. vol. 197; p. 290.
- Viscol Company, The. (See Buckley, John, assignor.)
- Vite-A-Type Company. (See Brand, William E., assignor.)
- Vivian, Alfred J., assignor of three-tenths to R. B. McConney, Denver, Colo. Box-car loader. No. 1,073,376; Sept. 16; Gaz. vol. 194; p. 658.
- Vlach, John J. (See Balko, Pal, assignor.)
- Vleeschouwer, Camille de, and J. Tacoma, Amsterdam, Netherlands. Desk, table, or cabinet. No. 1,079,962; Dec. 2; Gaz. vol. 197; p. 14.
- Vocalstyle Music Company, The. (See Beinkamp, Frank B., assignor.)
- Vocatone Mfg. Co. Inc. (See Hayes, Albert, assignor.)
- Voegelé, Frank A. (See Muth, George E., assignor.)
- Voegelé, Frank A. (See Muth and Voegelé.)
- Voegtlin, John E., Fort Wayne, Ind. Railway-rail fastener. No. 1,055,956; Mar. 11; Gaz. vol. 188; p. 473.
- Voelker, August, Beuel, near Bonn, Germany. Making transparent quartz glass. No. 1,051,035; Jan. 21; Gaz. vol. 186; p. 656.
- Voelker, August, Beuel, near Bonn, Germany. Electric-resistance melting-furnace. No. 1,051,036; Jan. 21; Gaz. vol. 186; p. 657.
- Voelker, August, Beuel, near Bonn, and N. Meurer, Cologne, Germany. Apparatus for producing hollow quartz bodies. No. 1,068,716; July 29; Gaz. vol. 192; p. 1104.
- Voelkner, Charles G. (See Brusky and Voelkner.)
- Voellinger, Peter, Belleville, Ill. Shock-mover. No. 1,057,787; Apr. 1; Gaz. vol. 189; p. 134.
- Vogan, Frank M., Canton, Ohio. Sheet-metal manufacture. No. 1,056,072; Mar. 18; Gaz. vol. 188; p. 547.

Alphabetical list of patentees—Continued.

- Vogel, Charles H., Vancouver, British Columbia, Canada, assignor to Underwood Typewriter Company, New York, N. Y. Type-writing machine. No. 1,063,624; June 3; Gaz. vol. 191; p. 157.
- Vogel, Charles H., Vancouver, British Columbia, Canada, assignor to Underwood Typewriter Company, New York, N. Y. Type-writing machine. No. 1,066,442; July 1; Gaz. vol. 192; p. 186.
- Vogel, Charles H., Vancouver, British Columbia, Canada, assignor to Underwood Typewriter Company, New York, N. Y. Type-writing machine. No. 1,079,526; Nov. 25; Gaz. vol. 196; p. 879.
- Vogel, Charles H., Vancouver, British Columbia, Canada, assignor to Underwood Typewriter Company, New York, N. Y. Type-writing machine. No. 1,079,731; Nov. 25; Gaz. vol. 196; p. 951.
- Vogel, Charles H., Vancouver, British Columbia, Canada, assignor to Underwood Typewriter Company, New York, N. Y. Type-writing machine. No. 1,079,963; Dec. 2; Gaz. vol. 197; p. 14.
- Vogel, Charles H., Vancouver, British Columbia, Canada, assignor to Underwood Typewriter Company, New York, N. Y. Type-writing machine. No. 1,080,028; Dec. 2; Gaz. vol. 197; p. 38.
- Vogel, Charles H., and G. R. Taitt, Vancouver, British Columbia, Canada. Suspended-cable tramway. No. 1,076,337; Oct. 21; Gaz. vol. 195; p. 657.
- Vogel, Ernest H., Gordonville, Mo. Station-indicator. No. 1,051,176; Jan. 21; Gaz. vol. 186; p. 704.
- Vogel, Frederick M., Pittsfield, Mass., assignor to General Electric Company. Heating unit. No. 1,077,658; Nov. 4; Gaz. vol. 196; p. 143.
- Vogel, John C., Philadelphia, Pa. Ground-joint clamp. No. 1,053,684; Feb. 18; Gaz. vol. 187; p. 706.
- Vogel, John C., Philadelphia, Pa., assignor to The Fairmount Electric and Manufacturing Company. Ground-joint connection for electric conductors. (Reissue.) No. 13,589; July 1; Gaz. vol. 192; p. 195.
- Vogel, Joseph A., Wilmington, Del. Flushing mechanism. No. 1,083,161; Dec. 30; Gaz. vol. 197; p. 1234.
- Vogel, Louis E., assignor to Wisconsin Machinery and Manufacturing Co., Milwaukee, Wis. Motor-propeller. No. 1,070,089; Aug. 12; Gaz. vol. 193; p. 374.
- Vogelpohl, William C., Addieville, Ill. Finger-moistener. No. 1,056,134; Mar. 18; Gaz. vol. 188; p. 569.
- Vogelsang, Fritz. (See Schiff, Ludwig, assignor.)
- Voges, Herman, Jr. (See Mitchell and Neer, assignors.)
- Voggenreiter, Louis, New York, N. Y. Rule. No. 1,081,995; Dec. 23; Gaz. vol. 197; p. 804.
- Voggenreiter, Louis, assignor of one-half to C. A. Faissolle, New York, N. Y. Window-lock. No. 1,066,347; July 1; Gaz. vol. 192; p. 156.
- Voglesong, Clyde C., Oakland, assignor to himself, and P. A. McKenzie, San Francisco, Cal., trustees. Fare-box. No. 1,080,738; Dec. 9; Gaz. vol. 197; p. 316.
- Voglesong, John W., Elyria, Ohio, assignor to Pittsburgh Plate Glass Company, Pittsburgh, Pa. Plaster-board composition. No. 1,066,867; July 8; Gaz. vol. 192; p. 364.
- Vogt, Adolf, Tulse Hill, Surrey, England. Internal-combustion engine. No. 1,066,768; July 8; Gaz. vol. 192; p. 332.
- Vogt, Ernest O. L., Philadelphia, Pa. Swaging and compressing tool. No. 1,052,193; Feb. 4; Gaz. vol. 187; p. 122.
- Vogt, Ernest O. L., Philadelphia, Pa. Adjustable delay device for percussion-fuses. No. 1,057,305; Mar. 25; Gaz. vol. 188; p. 999.
- Vogtländische Maschinen-Fabrik (vormals J. C. & H. Dietrich) Actiengesellschaft. (See Egli, Arnold, assignor.)
- Vohland, Henry, Gibbon, Nebr. Cylinder-tooth. No. 1,079,964; Dec. 2; Gaz. vol. 197; p. 15.
- Voight, Henry G., New Britain, Conn. Concealed transom-operator. No. 1,051,357; Jan. 21; Gaz. vol. 186; p. 763.
- Voight, Henry G., New Britain, Conn. Door-controlling means. No. 1,058,679; Apr. 8; Gaz. vol. 189; p. 485.
- Voight, Henry G., New Britain, Conn. Controlling means for sectional sliding doors. No. 1,069,074; July 29; Gaz. vol. 192; p. 1228.
- Voight, Henry G., New Britain, Conn. Locking device for emergency exit-doors. No. 1,069,075; July 29; Gaz. vol. 192; p. 1228.
- Voight, Henry G., New Britain, Conn. Door-controlling means. No. 1,069,076; July 29; Gaz. vol. 192; p. 1229.
- Voight, Henry G., New Britain, Conn. Door-controlling means. No. 1,069,077; July 29; Gaz. vol. 192; p. 1230.
- Voight, Henry G., New Britain, Conn. Elevator-door stop. No. 1,069,078; July 29; Gaz. vol. 192; p. 1230.
- Voight, Henry G., New Britain, Conn. Check for sliding doors. No. 1,069,079; July 29; Gaz. vol. 192; p. 1230.
- Voight, Henry G., New Britain, Conn. Adjustment for door-controlling means. No. 1,070,363; Aug. 12; Gaz. vol. 193; p. 468.
- Voight, Henry G., New Britain, Conn. Sliding-door operator and lock. No. 1,070,364; Aug. 12; Gaz. vol. 193; p. 468.
- Voight, Henry G., New Britain, Conn. Fire-door lock. No. 1,070,365; Aug. 12; Gaz. vol. 193; p. 468.
- Voight, Henry G., New Britain, Conn. Locking and controlling means for double doors. No. 1,070,366; Aug. 12; Gaz. vol. 193; p. 469.
- Voight, Henry G., New Britain, Conn. Unlatch-lock construction. No. 1,070,367; Aug. 12; Gaz. vol. 193; p. 469.
- Voight, Henry G., New Britain, Conn. Door-controlling means. No. 1,070,368; Aug. 12; Gaz. vol. 193; p. 470.
- Voight, Henry G., New Britain, Conn. Fire-door lock. No. 1,071,656; Aug. 26; Gaz. vol. 193; p. 975.
- Voight, Henry G., New Britain, Conn. Electrically-controlled lock. No. 1,071,657; Aug. 26; Gaz. vol. 193; p. 976.
- Voight, Henry G., and N. B. Hurd, assignors, by mesne assignments, to The American Hardware Corporation, New Britain, Conn. Lock. (Reissue.) No. 13,601; July 22; Gaz. vol. 192; p. 960.
- Voigt, Gustav, Stettin, Germany. Flying apparatus. No. 1,054,374; Feb. 25; Gaz. vol. 187; p. 977.
- Voigt, Philip H. (See Dubuque and Voigt.)
- Voigtlaender & Sohn, Aktiengesellschaft, Brunswick, Germany. (See Heidecke, Reinhold, assignor.)
- Voigtmann, Frank, et al. (See Iman, Orla H., assignor.)
- Voiles, Frank A. and O. M., Chicago, Ill. Gas-turbine. No. 1,065,410; June 24; Gaz. vol. 191; p. 866.
- Voiles, Oscar M. (See Voiles, Frank A. and O. M.)
- Völckers, Guillermo, San Juan, Porto Rico. Making coffee-extract tablets. No. 1,058,279; Apr. 8; Gaz. vol. 189; p. 347.
- Vold, Lars H., Westville, N. J., assignor to William Sellers & Company, Incorporated, Philadelphia, Pa. Loading and unloading apparatus. No. 1,072,533; Sept. 9; Gaz. vol. 194; p. 323.
- Vold, Lars H., Westville, N. J., assignor to William Sellers & Company, Incorporated, Philadelphia, Pa. Work-feeding mechanism. No. 1,080,793; Dec. 9; Gaz. vol. 197; p. 336.
- Volk, John H., Post Falls, Idaho. Rail-fastener. No. 1,050,580; Jan. 14; Gaz. vol. 186; p. 466.
- Volk, Maxwell L., New York, N. Y. Breast-supporter. No. 1,067,289; July 15; Gaz. vol. 192; p. 546.
- Volkers, Emil, Berlin, Germany. Field-magnet. No. 1,052,535; Feb. 11; Gaz. vol. 187; p. 268.
- Volkman, Charles, assignor to Universal Butter Machine Company, Chicago, Ill. Butter making and molding machine. No. 1,065,284; June 17; Gaz. vol. 191; p. 785.
- Volkmar, Bernhard, assignor to C. Hubert, New York, N. Y. Fare-recording register. No. 1,053,252; Feb. 18; Gaz. vol. 187; p. 557.
- Volkmar, Bernhard, assignor to C. Hubert, New York, N. Y. Fare-register. No. 1,053,253; Feb. 18; Gaz. vol. 187; p. 558.
- Volland, Ernst, Sürth-on-the-Rhine, near Cologne, Germany. Refrigerating apparatus. No. 1,050,877; Jan. 21; Gaz. vol. 186; p. 600.
- Völler, Karl, Dusseldorf, assignor to Rheinische Metallwaaren- und Maschinenfabrik, Dusseldorf-Derendorf, Germany. Gun with recoiling barrel. No. 1,059,093; Apr. 15; Gaz. vol. 189; p. 668.
- Völler, Karl, Dusseldorf, assignor to Rheinische Metallwaaren- und Maschinenfabrik, Dusseldorf-Derendorf, Germany. Combination-fuse for universal projectiles. No. 1,061,887; May 13; Gaz. vol. 190; p. 485.
- Völler, Karl, Dusseldorf, assignor to Rheinische Metallwaaren- und Maschinenfabrik, Dusseldorf-Derendorf, Germany. Hydraulic brake for guns having a recoiling barrel. No. 1,082,717; Dec. 30; Gaz. vol. 197; p. 1087.
- Völler, Karl, Dusseldorf, assignor to Rheinische Metallwaaren- und Maschinenfabrik, Dusseldorf-Derendorf, Germany. Gun having a recoiling barrel. No. 1,082,718; Dec. 30; Gaz. vol. 197; p. 1087.
- Völler, Karl, and C. Waninger, Dusseldorf, Germany. Support of pivoted guns. No. 1,073,061; Sept. 9; Gaz. vol. 194; p. 511.
- Völler, Karl, and E. Müller, Dusseldorf, assignors to Rheinische Metallwaaren- und Maschinenfabrik, Dusseldorf-Derendorf, Germany. Means for altering the charges in cartridges for guns. No. 1,074,995; Oct. 7; Gaz. vol. 195; p. 138.
- Vollers, Albert, Guide Rock, Nebr. Tined scraper. No. 1,065,748; June 24; Gaz. vol. 191; p. 980.
- Vollman, John, Racine, Wis. Concealed hinge. No. 1,070,754; Aug. 19; Gaz. vol. 193; p. 644.
- Vollmer, Gustav C., St. Louis, Mo. Knife-sharpener. No. 1,061,708; May 13; Gaz. vol. 190; p. 431.
- Vollmer, Joseph, Berlin, Germany. Explosion-motor. No. 1,062,132; May 20; Gaz. vol. 190; p. 611.
- Vollmer, Karl. (See Zenneck and Vollmer.)
- Vollmer, Wilhelm, New York, N. Y. Metal-bending machine. No. 1,080,309; Dec. 2; Gaz. vol. 197; p. 136.
- Vollmer, William, and A. F. Gibboney, assignors to The Standard Steel Works Company, Burnham, Pa. Ingot-mold. No. 1,051,787; Jan. 28; Gaz. vol. 186; p. 940.
- Volmer, Joseph, assignor of one-half to H. B. France and one-half to C. Engle, Decatur, Ind. Cuff-fastener. No. 1,059,790; Apr. 22; Gaz. vol. 189; p. 939.
- Volney, Carl W., deceased, Keyport, N. J.; S. L. G. Volney, executrix. Sterilization of liquids. No. 1,050,707; Jan. 14; Gaz. vol. 186; p. 505.
- Volney, Carl W., deceased; S. L. G. Volney, executrix, Keyport, N. J. Manufacture of acetate of lime and wood-alcohol. No. 1,052,446; Feb. 4; Gaz. vol. 187; p. 206.

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- Volney, Sarah L. G., executrix. (See Volney, Carl W.)
- Volpe, Joseph, New York, N. Y. Aeroplane. No. 1,063,306; June 3; Gaz. vol. 191; p. 46.
- Volponi, Louis S. (See Ferrero, John, assignor.)
- Voltz, Georg F., Hornau, assignor to Firm of E. P. Lehmann, Brandenburg-on-the-Havel, Germany. Toy. No. 1,073,880; Sept. 23; Gaz. vol. 194; p. 853.
- Volvox Machine Company. (See Stelter, Francis, assignor.)
- Volz, Charles A., Pigeon, Mich., and C. L. Volz, Toledo, Ohio. Beet-blocker and cotton-chopper. No. 1,065,485; June 24; Gaz. vol. 191; p. 891.
- Volz, Christian L. (See Volz, Charles A. and C. L.)
- Volz, Frank J., Albany, N. Y. Fleeced knitted fabric. No. 1,067,952; July 22; Gaz. vol. 192; p. 801.
- Volz, Gottlieb W., assignor of one-half to L. L. Bassett, Washucna, Wash. Locomotive or traction-engine. No. 1,074,028; Sept. 23; Gaz. vol. 194; p. 904.
- Volz, Otto, Omaha, Nebr. Safety device for elevators. No. 1,076,085; Oct. 21; Gaz. vol. 195; p. 569.
- Volz, William J., St. Louis, Mo. Mold for forming irregular bricks and tiles. No. 1,068,613; July 29; Gaz. vol. 192; p. 1069.
- Von der Crone, August, Berlin, Germany. Self-closing funnel. No. 1,061,888; May 13; Gaz. vol. 190; p. 485.
- Voorhees, Frank D., Montclair, N. J. Hose. No. 1,052,106; Feb. 4; Gaz. vol. 187; p. 91.
- Voorhees, Gardner T., Boston, Mass. Heating process and apparatus. No. 1,066,348; July 1; Gaz. vol. 192; p. 157.
- Voorhees, Raymond E. (See Hobbs, Arthur H., assignor.)
- Voorhees, Walter K., and J. H. Osgood, Cedar Falls, Iowa. Machine for forming loops in wires. No. 1,073,189; Sept. 16; Gaz. vol. 194; p. 591.
- Voris, Anthony, New York, N. Y. Camera. No. 1,081,173; Dec. 9; Gaz. vol. 197; p. 462.
- Vorraber, Josef, Cologne-Lindenthal, Germany. Apparatus for the treatment of ammonium sulfate. No. 1,066,067; July 1; Gaz. vol. 192; p. 57.
- Vorraber, Josef, assignor to Märkische Maschinenbauanstalt "Teutonia," Gesellschaft mit beschränkter Haftung, Frankfort-on-the-Oder, Germany. Ball-bearing. No. 1,078,474; Nov. 11; Gaz. vol. 196; p. 456.
- Vosburgh, Charles C., Norwood, Ohio. Window-furnishing. No. 1,076,086; Oct. 21; Gaz. vol. 195; p. 570.
- Vosburgh, Cornelius S., and J. L. G. Blouin, Waterbury, Conn. Rotary bar-scalper. No. 1,072,061; Sept. 2; Gaz. vol. 194; p. 133.
- Vosburgh, Henri H., Belle Plaine, Saskatchewan, Canada. Seat attachment. No. 1,059,791; Apr. 22; Gaz. vol. 189; p. 939.
- Vose, Louis E. (See Glaser and Edson, assignors.)
- Vose, Louis E. (See Lamb and Vose.)
- Vose & Son Piano Company. (See Stephenson, William C., assignor.)
- Vosper, Sydney C., Petersfield, England. Artist's easel. No. 1,072,534; Sept. 9; Gaz. vol. 194; p. 324.
- Vosper, William W., assignor to The Toledo Pipe Threading Machine Company, Toledo, Ohio. Power transmission and control mechanism. No. 1,060,723; May 6; Gaz. vol. 190; p. 55.
- Vosper, William W., assignor to The Toledo Pipe Threading Machine Company, Toledo, Ohio. Pipe-cutting machine. No. 1,074,334; Sept. 30; Gaz. vol. 194; p. 1034.
- Voss, Antoinette, assignor to H. Du Brock, Chicago, Ill. Sanitary garment-shield. No. 1,076,252; Oct. 21; Gaz. vol. 195; p. 625.
- Voss, Herman F., *et al.* (See Jasiecki and Glowacki, assignors.)
- Voss, John H., Walnut, Iowa. Victim-set animal-trap. No. 1,051,469; Jan. 28; Gaz. vol. 186; p. 835.
- Voss, Peter, assignor to The McCaskey Register Company, Alliance, Ohio. Filing appliance. No. 1,071,375; Aug. 26; Gaz. vol. 193; p. 883.
- Voss, Richard von, Westend, near Berlin, assignor to Siemens & Halske A. G., Berlin, Germany. Recording measuring instrument. No. 1,071,192; Aug. 26; Gaz. vol. 193; p. 820.
- Voss, William, Wilmington, Del., assignor to American Car and Foundry Company, St. Louis, Mo. Car-roof. No. 1,052,774; Feb. 11; Gaz. vol. 187; p. 348.
- Voss, William H., Davenport, Iowa. Mechanical movement for washing-machines. No. 1,079,456; Nov. 25; Gaz. vol. 196; p. 856.
- Votaw, Homer S., Laurier, Wash., and H. G. Coulson, Portland, Ind. Station-indicator. No. 1,058,816; Apr. 15; Gaz. vol. 189; p. 571.
- Votaw, Homer S., Laurier, Wash., and H. G. Coulson, Portland, Ind. Station-indicator. No. 1,058,817; Apr. 15; Gaz. vol. 189; p. 571.
- Votey, Edwin S., Summit, N. J., assignor to Aeolian Company, New York, N. Y. Recording device. No. 1,076,338; Oct. 21; Gaz. vol. 195; p. 657.
- Votey, Edwin S., Summit, N. J., assignor to The Aeolian Company, New York, N. Y. Means for operating musical instruments. No. 1,082,218; Dec. 23; Gaz. vol. 197; p. 879.
- Vouga, Maurice, Neuchâtel, Switzerland. Process of and apparatus for manufacturing dried food products. No. 1,054,650; Feb. 25; Gaz. vol. 187; p. 1071.
- Vouga, Maurice, Cortaillod, Switzerland. Manufacturing condensed milk. No. 1,062,133; May 20; Gaz. vol. 190; p. 611.
- Vought, Harry H., Jr., Mount Vernon, N. Y. Construction of walls and partitions of buildings. No. 1,052,775; Feb. 11; Gaz. vol. 187; p. 349.
- Vought, Henry H., Jr., Williams Bridge, N. Y., assignor of one-third to F. Squires, Plainfield, and one-third to A. Atkinson, New Brunswick, N. J. Floor construction. No. 1,074,760; Oct. 7; Gaz. vol. 195; p. 60.
- Vraney, Frank, Manitowoc, Wis., assignor to Shinola Company, Rochester, N. Y. Box-opener. No. 1,054,062; Feb. 25; Gaz. vol. 187; p. 871.
- Vredenburg, Peter B., Mechanicsville, N. Y. Brick-kiln. No. 1,067,083; July 8; Gaz. vol. 192; p. 436.
- Vroman, Ernest M., *et al.* (See Dolley, Charles W., assignor.)
- Vroman, George W., Hartshorne, Okla. Cross-tie. No. 1,070,863; Aug. 19; Gaz. vol. 193; p. 677.
- Vroom, Oler P., assignor to The Superior Hay Stacker Mfg. Co., Linneus, Mo. Corn-harvesting machine. No. 1,073,572; Sept. 16; Gaz. vol. 194; p. 725.
- Vrooman, Arba E. and H. F., Painesville, Ohio. Rotary weeder and cultivator. No. 1,076,398; Oct. 21; Gaz. vol. 195; p. 678.
- Vrooman, Harry S., Chicago, Ill. Screening and separating machinery. No. 1,067,204; July 8; Gaz. vol. 192; p. 479.
- Vrooman, Howard F. (See Vrooman, Arba E. and H. F.)
- Vuilleumier, Rudolph, New Rochelle, assignor to Pintsch Compressing Company, New York, N. Y. Generating high-pressure oil-gas. No. 1,053,074; Feb. 11; Gaz. vol. 187; p. 452.
- Vukasovich, Nickilo, New Orleans, La. Guiding attachment for seines. No. 1,078,566; Nov. 11; Gaz. vol. 196; p. 486.
- Vukovich, John, Oakland, Cal. Waterproof caisson for concrete-forms. No. 1,068,027; July 22; Gaz. vol. 192; p. 828.
- Vulcan Box Toe Process Co., The. (See Clausing, George, assignor.)
- Vulcan Electric Heating Company. (See Holmes, Frank J., assignor.)
- Vye, Benjamin D., assignor of thirty-nine one-hundredths to Empire Steel Ladder Company and ten one-hundredths to W. S. Bowness, Moncton, New Brunswick, Canada. Sectional brake-shoe. No. 1,050,408; Jan. 14; Gaz. vol. 186; p. 404.
- W. A. Plummer Manufacturing Company. (See Stuart, John L., assignor.)
- W. C. Horn Bro. & Co. *et al.* (See Zaiden, Davis, assignor.)
- W. C. Ritchie & Company. (See Telfair, Eugene A., assignor.)
- W. D. Allen Manufacturing Company. (See Allen, William D., assignor.)
- W. D. Smith Ordnance Company. (See Smith, William D., assignor.)
- W. & E. T. Fitch Co., The. (See Wright, Louis W., assignor.)
- W. G. Wilson Company. (See Wilson, Wylie G., assignor.)
- W. H. Bundy Recording Company. (See Bundy, Willard H., assignor.)
- W. H. McElwain Company. (See Rollins, George L., assignor.)
- W. H. Miner Company. (See O'Connor, Martin A., assignor.)
- W. H. Nicholson and Company *et al.* (See Armstrong, John B., assignor.)
- W. J. Young Machinery Company. (See Grover, George B., assignor.)
- W. & L. E. Gurley. (See Schulte, Edward D. N., assignor.)
- W. O. Hickok Manufacturing Co., The. (See Kepple, Anderson, and Hickok, assignors.)
- W. R. Ostrander & Company. (See Wurster, George B., assignor.)
- W. S. Gilkey Printing Company, The. (See Gilkey and Ogden, assignors.)
- W. S. Tyler Company. (See Reynolds, Morley P., assignor.)
- W. W. Kimball Company. (See Hiscock, Emory C., assignor.)
- W. W. Kimball Company. (See Kinder, Halsey G., assignor.)
- W. W. Sly Manufacturing Company, The. (See Colling, Charles J., Jr., assignor.)
- W. W. Sly Manufacturing Company, The. (See Lawrence, George R., assignor.)
- Waara, Daniel, Deep River, Wash. Rail-joint. No. 1,071,484; Aug. 26; Gaz. vol. 193; p. 918.
- Wabash Cabinet Company. (See Morrell, Robert E., assignor.)
- Wabo, Louis S., West Hoboken, N. J. Speed-accelerator and propeller-guard. No. 1,065,089; June 17; Gaz. vol. 191; p. 721.
- Wachsmuth, Franz, Rohrbach, near Heidelberg, Germany. Coin-wrapper. No. 1,057,512; Apr. 1; Gaz. vol. 189; p. 40.

Alphabetical list of patentees—Continued.

- Wachsmuth, William J. (See Specht and Wachsmuth.)
 Wachtel, August von, and C. Woegerer, Philadelphia, Pa. Clarifying raw sugar. No. 1,067,890; July 22; Gaz. vol. 192; p. 781.
 Wachtel, Charles, Jamaica, N. Y. Pocket cigar-lighter. No. 1,069,207; Aug. 5; Gaz. vol. 193; p. 42.
 Wachtel, Max, Donora, Pa. Cable-clamp. No. 1,051,358; Jan. 21; Gaz. vol. 186; p. 764.
 Wachtel, Max, Donora, Pa. Cable-clamp. No. 1,060,386; Apr. 29; Gaz. vol. 189; p. 1185.
 Wachter, George L., St. Louis, Mo. Milk-bottle safety-receptacle. No. 1,069,501; Aug. 5; Gaz. vol. 193; p. 144.
 Wachter, Louis E. F., Hartford, Conn. Strap for wrist-watches, &c. No. 1,055,579; Mar. 11; Gaz. vol. 188; p. 346.
 Wachter, Louis E. F., Hartford, Conn. Watch screw-driver. No. 1,057,101; Mar. 25; Gaz. vol. 188; p. 931.
 Wacker, Charles H. (See Bauroth, Leonhard, assignor.)
 Wackershauser, Charles W., *et al.* (See Fisher, George W., assignor.)
 Waddell, A. L. (See Campbell, Joseph E., assignor.)
 Waddell, Frederick W. (See O'Brien and Waddell.)
 Waddell, John A. L., and J. L. Harrington, Kansas City, Mo. Lift-bridge. No. 1,049,422; Jan. 7; Gaz. vol. 186; p. 36.
 Waddell, Joseph A., Jr., assignor to Spencer Heater Company, Scranton, Pa. Water-jacket furnace. No. 1,063,088; May 27; Gaz. vol. 190; p. 969.
 Waddell, Martin M. (See Young and Waddell.)
 Waddington, Florence, Baltimore, Md. Toy-figure blank. No. 1,057,019; Mar. 25; Gaz. vol. 188; p. 902.
 Waddington, Florence, Baltimore, Md. Cut toy figure. No. 1,066,769; July 8; Gaz. vol. 192; p. 333.
 Waddle, Calvin H., and E. C. Robertson, Lohn, Tex. Railway-signal. No. 1,054,155; Feb. 25; Gaz. vol. 187; p. 902.
 Waddle, James B. (See Kugler, John H., assignor.)
 Wade, Charles E., Masonville, and C. J. Lagerwall, New York, N. Y. Wheel. No. 1,057,902; Apr. 1; Gaz. vol. 189; p. 173.
 Wade, Edwin T., assignor of one-fourth to C. W. Payne, Jackson, Miss. Combined rail-joint and nut-lock. No. 1,077,770; Nov. 4; Gaz. vol. 196; p. 183.
 Wade, Evan H. (See Loedige, Frederick, assignor.)
 Wade, Fred V., East Bridgewater, Mass. Suspenders. No. 1,054,156; Feb. 25; Gaz. vol. 187; p. 903.
 Wade, Joe, Russellville, Ark. Mail-bag catcher. No. 1,059,792; Apr. 22; Gaz. vol. 189; p. 940.
 Wade, Robert C., Malden, Mo. Sectional smoke-burner. No. 1,057,020; Mar. 25; Gaz. vol. 188; p. 903.
 Wadewitz, Alfred H., Racine, Wis. Chase-lock. No. 1,078,594; Nov. 11; Gaz. vol. 196; p. 496.
 Wadewitz, Otto E., Racine, Wis. Spring-power engine-starter. No. 1,066,868; July 8; Gaz. vol. 192; p. 364.
 Wadleigh, George E., assignor to Buffalo Pitts Company, Buffalo, N. Y. Keying device for blades. No. 1,049,949; Jan. 7; Gaz. vol. 186; p. 213.
 Wadley, Henry L., Sentinel, Okla. Hydrocarbon-burner. No. 1,049,950; Jan. 7; Gaz. vol. 186; p. 213.
 Wadsworth, Frank L. O., Pittsburgh, Pa. Treating metal. No. 1,050,878; Jan. 21; Gaz. vol. 186; p. 601.
 Wadsworth, Frank L. O., Sewickley, Pa. Densifying metal. No. 1,050,879; Jan. 21; Gaz. vol. 186; p. 601.
 Wadsworth, Frank L. O., Sewickley, Pa. Uniting metals. No. 1,050,880; Jan. 21; Gaz. vol. 186; p. 601.
 Wadsworth, Frank L. O., Sewickley, Pa. Plunger mechanism. No. 1,064,794; June 17; Gaz. vol. 191; p. 625.
 Wadsworth, Frank L. O., Sewickley, Pa. Water-heater construction. No. 1,069,046; July 29; Gaz. vol. 192; p. 1219.
 Wadsworth, Frank L. O., Sewickley, Pa. Means for densifying metallic surfaces. No. 1,074,824; Oct. 7; Gaz. vol. 195; p. 80.
 Wadsworth, George R., assignor to The Peerless Motor Car Company, Cleveland, Ohio. Priming device for internal-combustion engines. No. 1,069,502; Aug. 5; Gaz. vol. 193; p. 144.
 Wadsworth, George R., assignor to The Peerless Motor Car Company, Cleveland, Ohio. Top-support. No. 1,071,485; Aug. 26; Gaz. vol. 193; p. 918.
 Wadsworth, Harry E., Vancouver, Wash. Spike-pulling jack. No. 1,078,178; Nov. 11; Gaz. vol. 196; p. 353.
 Wadsworth, Henry L. (See Miller, Alfred K., assignor.)
 Wadsworth, James M., and E. G. Brua, Oakland, Cal. Map-filing cabinet. No. 1,050,409; Jan. 14; Gaz. vol. 186; p. 404.
 Wadsworth Watch Case Company, The. (See Jeffery, Harold L., assignor.)
 Wafer, William, Oak Park, Ill. Automatic safety-valve. No. 1,071,972; Sept. 2; Gaz. vol. 194; p. 103.
 Waffen und Maschinenfabriks Actiengesellschaft. (See Einicher, Anton, assignor.)
 Wagandt, Charles L., assignor to National Enameling and Stamping Company, Baltimore, Md. Cylindric can-cover. No. 1,077,235; Oct. 28; Gaz. vol. 195; p. 1019.
 Wagar, William D., Michigan, N. D. Dental engine. No. 1,083,039; Dec. 30; Gaz. vol. 197; p. 1196.
 Wagener, Gustav, Schlebusch-Manfort, Germany, assignor to E. I. du Pont de Nemours Powder Company, Wilmington, Del. Electrode for producing arcs. No. 1,055,003; Mar. 4; Gaz. vol. 188; p. 119.
 Wagener, Gustav, Schlebusch-Manfort, Germany, assignor to E. I. du Pont de Nemours Powder Company, Wilmington, Del. Electrode for producing arcs. No. 1,055,295; Mar. 4; Gaz. vol. 188; p. 213.
 Wagenhorst, James H., Akron, Ohio. Vehicle wheel-rim. No. 1,063,480; June 3; Gaz. vol. 191; p. 104.
 Wagenhorst, James H., Akron, Ohio, assignor, by mesne assignments, of two-fifths to The B. F. Goodrich Company, New York, N. Y., one-fifth to The Goodyear Tire & Rubber Company, Akron, Ohio, and one-fifth to The United States Tire Company, New York, N. Y. Wrench for demountable rims and the like. No. 1,078,567; Nov. 11; Gaz. vol. 196; p. 486.
 Wagg, Howard N., *et al.* (See Betz, William G., assignor.)
 Waggoner, George E., Vacaville, Cal. Means for controlling fumes or smoke. No. 1,077,771; Nov. 4; Gaz. vol. 196; p. 183.
 Waggoner, William I., Burlington, Ind. Fly-trap. No. 1,073,190; Sept. 16; Gaz. vol. 194; p. 592.
 Wagner, Adam. (See Horn and Wagner.)
 Wagner, Adam, assignor to Wagner Manufacturing Co., Cedar Falls, Iowa. Door-hanger. No. 1,066,458; July 1; Gaz. vol. 192; p. 192.
 Wagner, Albert F., New York, N. Y. Motor-cleaner. No. 1,067,891; July 22; Gaz. vol. 192; p. 782.
 Wagner, Allen G., Akron, Ohio. Armored tire. No. 1,067,563; July 15; Gaz. vol. 192; p. 637.
 Wagner, Charles E., Cedar Rapids, Iowa. Acetylene-generator. No. 1,069,592; Aug. 5; Gaz. vol. 193; p. 173.
 Wagner Electric Manufacturing Company. (See Fynn, Valère A., assignor.)
 Wagner Electric Manufacturing Company. (See Robbins and Timmerman, assignors.)
 Wagner Electric Manufacturing Company. (See Welchsel and Webster, assignors.)
 Wagner, Ernest G., Lewiston, Idaho. Apparatus for regulating the flow of water into sewer flush-tanks. No. 1,055,841; Mar. 11; Gaz. vol. 188; p. 436.
 Wagner, Frank, New York, N. Y. Floor-planing machine. No. 1,060,041; Apr. 29; Gaz. vol. 189; p. 1065.
 Wagner, Frank, St. Louis, Mo. Multiple-joint miter-clamp. No. 1,073,549; Sept. 16; Gaz. vol. 194; p. 717.
 Wagner, Franz, Cassel, Germany. Gas-lighter. No. 1,069,047; July 29; Gaz. vol. 192; p. 1219.
 Wagner, Frederick H., assignor to The Bartlett Hayward Company, Baltimore, Md. Apparatus for extracting tar from gas. No. 1,067,774; July 15; Gaz. vol. 192; p. 709.
 Wagner, Henry J., Dellwood, N. Y. Reinforcing means for building-walls. No. 1,055,242; Mar. 4; Gaz. vol. 188; p. 196.
 Wagner, Henry J., Dellwood, N. Y. Ventilating system for buildings. No. 1,057,599; Apr. 1; Gaz. vol. 189; p. 69.
 Wagner, Henry J., Dellwood, N. Y. Fireproof building construction. No. 1,069,503; Aug. 5; Gaz. vol. 193; p. 145.
 Wagner, Herman A., New York, N. Y. Electrolytic diaphragm. No. 1,077,444; Nov. 4; Gaz. vol. 196; p. 72.
 Wagner, Hermann, assignor to Farbwerke vorm. Meister Lucius & Brüning, Höchst-on-the-Main, Germany. Mono-azo dyestuffs and making same. No. 1,082,719; Dec. 30; Gaz. vol. 197; p. 1088.
 Wagner, Hermann, and J. Kohlhaas, assignors to Farbwerke vorm. Meister Lucius & Brüning, Höchst-on-the-Main, Germany. Color-lakes. No. 1,071,832; Sept. 2; Gaz. vol. 194; p. 57.
 Wagner, Hermann, and J. Kohlhaas, assignors to Farbwerke vorm. Meister Lucius & Brüning, Höchst-on-the-Main, Germany. Red wool dyestuffs and making same. No. 1,071,833; Sept. 2; Gaz. vol. 194; p. 57.
 Wagner, Ira G., Lancaster, Pa. Damper-regulator. No. 1,071,281; Aug. 26; Gaz. vol. 193; p. 851.
 Wagner, John, Mount Vernon, S. D. Draft appliance. No. 1,052,107; Feb. 4; Gaz. vol. 187; p. 92.
 Wagner, John S., Red Wing, Minn. Rail-straightening device. No. 1,077,019; Oct. 28; Gaz. vol. 195; p. 951.
 Wagner, Joseph, Baltimore, Md. Placard apparatus. No. 1,051,788; Jan. 28; Gaz. vol. 186; p. 940.
 Wagner, Joseph F., assignor to Arnold-Wagner Electric Co., South Bend, Ind. Junction-box. No. 1,064,033; June 10; Gaz. vol. 191; p. 330.
 Wagner Manufacturing Co. (See Wagner, Adam, assignor.)
 Wagner Manufacturing Co. (See Wells, Elmer J., assignor.)
 Wagner Manufacturing Company. (See Horn and Wagner.)
 Wagner Manufacturing Company. (See Schwene, William, assignor.)
 Wagner, Michael, assignor, by mesne assignments, to S. S. Newman, Pittsburgh, Pa. Saw-clamp. No. 1,069,745; Aug. 12; Gaz. vol. 193; p. 256.
 Wagner, Myron E., Bridgeport, Ill. Fifth-wheel. No. 1,080,941; Dec. 9; Gaz. vol. 197; p. 387.
 Wagner, Paul, Charlottenburg, Germany, assignor to General Electric Company. Elastic-fluid turbine. No. 1,049,784; Jan. 7; Gaz. vol. 186; p. 159.

Alphabetical list of patentees—Continued.

- Wagner, Paul, Charlottenburg, Germany, assignor to General Electric Company. Apparatus for measuring the thrust or pull on shafts. No. 1,063,626; June 3; Gaz. vol. 191; p. 158.
- Wagner, Paul, Charlottenburg, Germany, assignor to General Electric Company. Thrust-bearing. No. 1,076,399; Oct. 21; Gaz. vol. 195; p. 678.
- Wagner, Paul, Berlin, Germany, assignor to General Electric Company. Apparatus for measuring the axial thrust acting upon a shaft. No. 1,063,625; June 3; Gaz. vol. 191; p. 157.
- Wagner, Robert. (See Kratz and Wagner.)
- Wagner, Robert, assignor to Firm of R. Bosch, Stuttgart, Germany. Circuit-interrupter for electric ignition systems. No. 1,065,567; June 24; Gaz. vol. 191; p. 919.
- Wagner, Victor, assignor to Drew Carrier Company, Waterloo, Wis. Switch for elevated trolley-tracks. No. 1,059,412; Apr. 22; Gaz. vol. 189; p. 813.
- Wagner, Warren, Burkburnett, Tex. Underreamer. No. 1,080,666; Dec. 9; Gaz. vol. 197; p. 290.
- Wagner, Wilhelm, Ronsdorf, Germany. Reed. No. 1,069,989; Aug. 12; Gaz. vol. 193; p. 339.
- Wagnitz, John A., Columbus, Ohio. Folding box. No. 1,080,610; Dec. 9; Gaz. vol. 197; p. 272.
- Wahl Adding Machine Company. (See Wahl, John C., assignor.)
- Wahl, John C., Chicago, Ill., assignor, by mesne assignments, to Wahl Adding Machine Company, Wilmington, Del. Calculating-machine. No. 1,062,309; May 20; Gaz. vol. 190; p. 672.
- Wahl, Martin D., Allston, Mass. Folding garment-hanger. No. 1,058,394; Apr. 8; Gaz. vol. 189; p. 389.
- Wahl, Robert, Chicago, Ill. Manufacture of malt. No. 1,068,028; July 22; Gaz. vol. 192; p. 828.
- Wahlberg, Alfred G. (See Anderson and Wahlberg.)
- Wahle, Adolph, assignor to Davenport Washing Machine Company, Davenport, Iowa. Gearing. No. 1,052,776; Feb. 11; Gaz. vol. 187; p. 349.
- Wahlert, Henry A., assignor to Acme Pipe Clamp Company, St. Louis, Mo. Angle-cock holder. No. 1,064,112; June 10; Gaz. vol. 191; p. 357.
- Wahlquist, Charles J. (See Barzee and Wahlquist.)
- Wahlstrom Tool Company. (See Wahlstrom, Verner J., assignor.)
- Wahlstrom, Verner J., Brooklyn, assignor, to Wahlstrom Tool Company, New York, N. Y. Chuck. No. 1,075,174; Oct. 7; Gaz. vol. 195; p. 201.
- Wahra, Walter E., assignor to Milwaukee Net Company, Milwaukee, Wis. Fly-net for horses. No. 1,078,022; Nov. 11; Gaz. vol. 196; p. 300.
- Waidlich, Walter, Detroit, Mich. Rail-joint. No. 1,075,879; Oct. 14; Gaz. vol. 195; p. 471.
- Wailles, William S. H., Pecos, Tex. Aerating-churn. No. 1,054,807; Mar. 4; Gaz. vol. 188; p. 54.
- Walndzioch, Anton J., Detroit, Mich. Engine-tester. No. 1,051,931; Feb. 4; Gaz. vol. 187; p. 28.
- Waing, Nikolaus, New York, N. Y. Lock. No. 1,060,960; May 6; Gaz. vol. 190; p. 138.
- Wainwright, Charles, Erie, Pa. Combined vacuum-breaker and proportional unloader. No. 1,081,174; Dec. 9; Gaz. vol. 197; p. 462.
- Wainwright, Charles, Erie, Pa. Fluid-compressor. No. 1,081,175; Dec. 9; Gaz. vol. 197; p. 463.
- Wainwright, Charles, Erie, Pa. Fluid-compressor. No. 1,081,176; Dec. 9; Gaz. vol. 197; p. 463.
- Wainwright, Charles, Erie, Pa. Governing device for fluid-compressors. No. 1,081,177; Dec. 9; Gaz. vol. 197; p. 463.
- Wainwright, Charles, and F. J. Carney, Erie, Pa. Governing device for fluid-compressors. No. 1,061,208; May 6; Gaz. vol. 190; p. 222.
- Wainwright, Jacob T., Chicago, Ill. Motive-power turbine. No. 1,050,410; Jan. 14; Gaz. vol. 186; p. 404.
- Wait, Alfred, Hamilton, Ontario, Canada. Needle-valve. No. 1,075,798; Oct. 14; Gaz. vol. 195; p. 443.
- Wait, Henry H., Chicago, Ill. Electric generating system. No. 1,078,179; Nov. 11; Gaz. vol. 196; p. 353.
- Wait, Henry H., Chicago, Ill., assignor, by mesne assignments, to Rateau Battu Smoot Company. Laminated core for electric generators and motors. No. 1,080,611; Dec. 9; Gaz. vol. 197; p. 272.
- Wait, John S., Jr., and A. Halliday, Two Harbors, Minn. Bolt. No. 1,082,376; Dec. 23; Gaz. vol. 197; p. 937.
- Wait, William B., New York, N. Y. Device for bridging recesses in cylinders of embossing-presses. No. 1,050,411; Jan. 14; Gaz. vol. 186; p. 405.
- Wait, William B., New York, N. Y. Marginal holding device. No. 1,060,387; Apr. 29; Gaz. vol. 189; p. 1185.
- Waite, Andrew W., Guelph, Ontario, Canada. Stove-burner. No. 1,053,457; Feb. 18; Gaz. vol. 187; p. 629.
- Waite, Fred, Otley, England. Rotary lithographic offset and other printing-machine. No. 1,051,653; Jan. 28; Gaz. vol. 186; p. 898.
- Waite, Fred, Otley, England, assignor to Auto Falcon & Waite Die Press Company, Limited, Chicago, Ill. Die-press. No. 1,082,572; Dec. 30; Gaz. vol. 197; p. 1036.
- Waite, Harry C., Lewistown, Mont. Grain-drill. No. 1,073,826; Sept. 23; Gaz. vol. 194; p. 835.
- Waite, Harry C., Lewistown, Mont. Disk plow. No. 1,073,827; Sept. 23; Gaz. vol. 194; p. 835.
- Waite, Harry F., New York, N. Y. X-ray system. No. 1,061,428; May 13; Gaz. vol. 190; p. 331.
- Waite, Harry S., Yucca, Ariz. Tool. No. 1,062,310; May 20; Gaz. vol. 190; p. 672.
- Waite, James H., Malden, Mass. Luggage-box for vehicles. No. 1,049,951; Jan. 7; Gaz. vol. 186; p. 214.
- Waite, John H., Brockton, Mass. Shank-piece for boots and shoes. No. 1,068,089; July 22; Gaz. vol. 192; p. 848.
- Waite, Walter. (See Tarro, James, assignor.)
- Waite, William T., assignor to The Orpheola Company, LaPorte, Ind. Piano-player mechanism. (Reissue.) No. 13,603; Aug. 5; Gaz. vol. 193; p. 199.
- Waite, William T., assignor of one-third to S. M. Henley and one-third to A. Steinmetz, Kansas City, Mo. Piano-player mechanism. No. 1,064,575; June 10; Gaz. vol. 191; p. 516.
- Waitt, Arthur M., Sharon, Conn., and W. H. Waitt, New York, N. Y. Car-door mechanism. No. 1,082,664; Dec. 30; Gaz. vol. 197; p. 1067.
- Waitt, George L., Buffalo, N. Y. Chaplet. No. 1,050,259; Jan. 14; Gaz. vol. 186; p. 352.
- Waitt, Weymer H. (See Waitt, Arthur M. and W. H.)
- Waitz, Charles A., Rouseville, Pa. Sucker-rod packing for oil-well tubings. No. 1,060,961; May 6; Gaz. vol. 190; p. 138.
- Wajda, Floryan, East Hammond, Ind., assignor of one-half to B. J. Gliniski, Chicago, Ill. Metallic tie and rail-fastener. No. 1,062,424; May 20; Gaz. vol. 190; p. 709.
- Wajda, Floryan, assignor of one-half to A. M. Bakala, Hammond, Ind. Metallic tie and rail-fastener. No. 1,062,425; May 20; Gaz. vol. 190; p. 709.
- Wakefield, Albert, Washington, D. C. Conveyer. No. 1,080,243; Dec. 2; Gaz. vol. 197; p. 114.
- Wakefield, Francis J., assignor to A. A. McRae and C. P. Keeler, Attleboro, Mass. Locket. No. 1,057,513; Apr. 1; Gaz. vol. 189; p. 40.
- Wakefield, Frederick W., assignor to The F. W. Wakefield Brass Company, Vermilion, Ohio. Lighting-fixture. No. 1,054,951; Mar. 4; Gaz. vol. 188; p. 100.
- Wakefield, William, *et al.* (See Jury, Ruben, assignor.)
- Wakeman, Abram, New York, N. Y. Vehicle license-tag. No. 1,073,004; Sept. 9; Gaz. vol. 194; p. 492.
- Wakeman, Charles A., assignor of one-half to W. Dichmann, Oshkosh, Wis. Furniture packing-pad. No. 1,078,390; Nov. 11; Gaz. vol. 196; p. 429.
- Wakfer, William H., South Norwood, assignor of one-half to S. Peck, Calbourne, Wallington, England. File. No. 1,068,548; July 29; Gaz. vol. 192; p. 1045.
- Wakfer, William H., South Norwood, assignor to himself, and S. Peck, Calbourne, England. File. No. 1,082,219; Dec. 23; Gaz. vol. 197; p. 880.
- Walberg, Gustaf L., Cokato, Minn. Coupling for collar-straps and neck-yokes. No. 1,066,169; July 1; Gaz. vol. 192; p. 94.
- Walbridge, Elizabeth, Washington, D. C. Door-weight. No. 1,057,306; Mar. 25; Gaz. vol. 188; p. 999.
- Walcher, Louis P., Pittsburgh, Pa. Scarf-pin. No. 1,077,109; Oct. 28; Gaz. vol. 195; p. 979.
- Walcott, Henry J. (See Pisor, Jacob H., assignor.)
- Wald, Michael J., Eugene, Oreg. Coaster-brake for bicycles, motor-cycles, or the like. No. 1,058,280; Apr. 8; Gaz. vol. 189; p. 348.
- Waldberg, Alexandre. (See Levy, Alfred, assignor.)
- Waldeck, Charles A., Baltimore, Md. Vaporizing apparatus. No. 1,068,288; July 22; Gaz. vol. 192; p. 919.
- Walden, Albert E., Baltimore, Md. Ozone-generator. No. 1,050,260; Jan. 14; Gaz. vol. 186; p. 352.
- Walden, Albert E., Baltimore, Md. Sterilizer. No. 1,077,020; Oct. 28; Gaz. vol. 195; p. 951.
- Walden Manufacturing Company. (See Bellows, Warren S., assignor.)
- Waldheim, John, Newark, assignor to Union Typewriter Company, Jersey City, N. J. Type-writing machine. No. 1,054,725; Mar. 4; Gaz. vol. 188; p. 24.
- Waldheim, John, Newark, N. J., assignor, by mesne assignments, to Remington Typewriter Company, Ilion, N. Y. Type-writing machine. No. 1,064,403; June 10; Gaz. vol. 191; p. 457.
- Waldheim, John, Newark, N. J., assignor, by mesne assignments, to Remington Typewriter Company, Ilion, N. Y. Type-writing machine. No. 1,066,443; July 1; Gaz. vol. 192; p. 186.
- Waldman, Samuel S., assignor to Emil Grossman Company, New York, N. Y. Automobile-buffer. No. 1,059,413; Apr. 22; Gaz. vol. 189; p. 813.
- Waldmann, Henry C., Wapakoneta, Ohio. Pigeon-trap. No. 1,051,470; Jan. 28; Gaz. vol. 186; p. 836.
- Waldner, Frederick, Alexandria, S. D. Wrench. No. 1,072,535; Sept. 9; Gaz. vol. 194; p. 324.
- Waldo, Albert V., Degraff, Ohio. Internal-combustion engine. No. 1,078,392; Nov. 11; Gaz. vol. 196; p. 430.
- Waldo, Lucius O., Bellingham, Wash. Fish-trapping device. No. 1,049,551; Jan. 7; Gaz. vol. 186; p. 80.
- Waldon, Sidney D., assignor to Packard Motor Car Company, Detroit, Mich. Hydrocarbon-motor. No. 1,054,808; Mar. 4; Gaz. vol. 188; p. 54.
- Waldron, Frederick A., Plainfield, N. J. Apparatus for grinding wood. No. 1,074,144; Sept. 30; Gaz. vol. 194; p. 971.

Alphabetical list of patentees—Continued.

- Waldron, Ivan M., assignor of one-half to H. Grimes, Gilchrist, Mich. Wrench. No. 1,074,394; Sept. 30; Gaz. vol. 194; p. 1055.
- Waldron, Ivan M., Gilchrist, and M. Wilson, Viola, Mich. Ink-receptacle. No. 1,058,818; Apr. 15; Gaz. vol. 189; p. 571.
- Waldrop, A. S. (See Scroggins, James L., assignor.)
- Waldschmitt, Franz, Jr., Rockaway Beach, N. Y. Dress-suit case and like receptacle. No. 1,068,189; July 22; Gaz. vol. 192; p. 882.
- Wale, Alfred E., Birmingham, England. Making tires. No. 1,083,231; Dec. 30; Gaz. vol. 197; p. 1256.
- Wales, Edward H., Hyde Park, N. Y. Shoe form or last. No. 1,054,259; Feb. 25; Gaz. vol. 187; p. 938.
- Wales, John H., New York, N. Y. Filler for ice-cream. No. 1,063,481; June 3; Gaz. vol. 191; p. 105.
- Wales, Nathaniel B., Boston, Mass. Vaporizer for internal-combustion engines. No. 1,060,042; Apr. 29; Gaz. vol. 189; p. 1065.
- Wales, Nathaniel B., Boston, Mass. Gas-turbine. No. 1,075,677; Oct. 14; Gaz. vol. 195; p. 402.
- Wales, Nathaniel B., Boston, Mass. Heating apparatus. No. 1,077,378; Nov. 4; Gaz. vol. 196; p. 48.
- Wales, Nathaniel B., Boston, Mass. Heating apparatus. No. 1,077,379; Nov. 4; Gaz. vol. 196; p. 48.
- Wales, Nathaniel B., Braintree, Mass., assignor to G. B. Collier, Kinderhook, N. Y. Four-cycle engine. No. 1,054,157; Feb. 25; Gaz. vol. 187; p. 903.
- Wales, Nathaniel B., Braintree, Mass., assignor to G. B. Collier, Kinderhook, N. Y. Heating apparatus. No. 1,079,381; Nov. 25; Gaz. vol. 196; p. 830.
- Wales, Samuel S. (See Reese and Wales.)
- Wales, Samuel S., Munhall, assignor to Carnegie Steel Company, Pittsburgh, Pa. Treating armor-plate. No. 1,064,034; June 10; Gaz. vol. 191; p. 330.
- Walk, Frank E., Allentown, assignor of one-half to P. J. Boyle, Hazleton, Pa. Culinary utensil. No. 1,077,946; Nov. 4; Gaz. vol. 196; p. 243.
- Walker, Alfred, Huyton, England. Holder or carrier for toilet-paper rolls. No. 1,070,641; Aug. 19; Gaz. vol. 193; p. 604.
- Walker, Alonzo. (See Dashner and Jacobs, assignors.)
- Walker, Arthur B., Republic, Wash. Pack-hitch. No. 1,059,240; Apr. 15; Gaz. vol. 189; p. 717.
- Walker, Arthur W., Boston, Mass., and F. Will, Rochester, N. Y. Stove-damper. No. 1,066,962; July 8; Gaz. vol. 192; p. 397.
- Walker and Bennett Manufacturing Company. (See Bennett, Frederick, assignor.)
- Walker, Cassius M., Pueblo, Colo., assignor to The Miller Electric Switch Company. Controlling-cam. No. 1,075,799; Oct. 14; Gaz. vol. 195; p. 444.
- Walker, Charles, Knoxville, Tenn. Combined stop and drain valve. No. 1,053,075; Feb. 11; Gaz. vol. 187; p. 453.
- Walker, Charles, Knoxville, Tenn. Turning-plug. No. 1,062,524; May 20; Gaz. vol. 190; p. 741.
- Walker, Charles R., Newburgh, N. Y. Drying system. No. 1,074,302; Sept. 30; Gaz. vol. 194; p. 1024.
- Walker, Edwin, Erie, Pa. Automatic cork-puller. No. 1,057,021; Mar. 25; Gaz. vol. 188; p. 903.
- Walker, Frank, Los Angeles, Cal. Electrical water-heater. No. 1,053,076; Feb. 11; Gaz. vol. 187; p. 453.
- Walker, Frank H., Laporte, Ind. Air-pump. No. 1,055,004; Mar. 4; Gaz. vol. 188; p. 119.
- Walker, Frederick W., Port Washington, Wis. Electric generating, transmitting, and distributing system. No. 1,080,029; Dec. 2; Gaz. vol. 197; p. 59.
- Walker, Fredrick J., and F. C. Loeffler, Des Moines, Iowa. Spark-plug. No. 1,080,089; Dec. 2; Gaz. vol. 197; p. 59.
- Walker, George, assignor to Landers, Frary and Clark, New Britain, Conn. Weighing-scale. No. 1,060,043; Apr. 29; Gaz. vol. 189; p. 1066.
- Walker, George A., assignor to The Oak Park Trust & Savings Bank, trustee, Oak Park, Ill. Shade. No. 1,053,254; Feb. 18; Gaz. vol. 187; p. 559.
- Walker, George F., and W. S. Mathes, Bazine, Kans. Concrete-block machine. No. 1,050,881; Jan. 21; Gaz. vol. 186; p. 602.
- Walker, George R., Roanoke, Va. Sprayer. No. 1,069,306; Aug. 5; Gaz. vol. 193; p. 76.
- Walker, George S., Boston, Mass. Valve for hydrants. No. 1,056,860; Mar. 25; Gaz. vol. 188; p. 846.
- Walker, Harold S., Prestwich, assignor to W. F. Goodrich, London, and D. Wilson, Manchester, England. Apparatus for heating and cooling liquids. No. 1,056,385; Mar. 18; Gaz. vol. 188; p. 651.
- Walker, Harry, Jr., Modena, Pa. Fluid-pressure valve. No. 1,065,285; June 17; Gaz. vol. 191; p. 785.
- Walker, Harry A. (See Flagg, Joseph W., assignor.)
- Walker, Henry M., Chicago, Ill. Ironing-table. No. 1,072,884; Sept. 9; Gaz. vol. 194; p. 447.
- Walker, Jackson L., Crafton, Tex. Steam cotton-baling tamper. No. 1,075,234; Oct. 7; Gaz. vol. 195; p. 223.
- Walker, James, Poplar, London, England. Stuffing-box packing. No. 1,050,184; Jan. 14; Gaz. vol. 186; p. 327.
- Walker, Jasper R., Jacksonville, Fla. Turpentine-condenser. No. 1,057,788; Apr. 1; Gaz. vol. 189; p. 134.
- Walker, John, Jr., London, England. Book. No. 1,054,260; Feb. 25; Gaz. vol. 187; p. 938.
- Walker, Louis C., Muskegon, Mich. Desk. No. 1,072,280; Sept. 2; Gaz. vol. 194; p. 206.
- Walker, Otto, Zurich, Switzerland. Inhaling apparatus. No. 1,062,750; May 27; Gaz. vol. 190; p. 857.
- Walker, Robert B., Strathcona, Alberta, Canada. Cattle-guard. No. 1,052,864; Feb. 11; Gaz. vol. 187; p. 380.
- Walker, Robert L., Cochran, Ga. Agricultural implement. No. 1,065,990; July 1; Gaz. vol. 192; p. 30.
- Walker, Samuel F., Bozeman, and A. W. Walton, Butte, Mont.; said Walker assignor to said Walton. Trolley. No. 1,069,208; Aug. 5; Gaz. vol. 193; p. 42.
- Walker, Sylvester J., Meadville, Pa. Stay-bolt for boilers. No. 1,070,755; Aug. 19; Gaz. vol. 193; p. 644.
- Walker, Thomas W., Monrovia, Cal. Solar heater. No. 1,056,861; Mar. 25; Gaz. vol. 188; p. 846.
- Walker Tire Chain Company, The. (See Carter, Maurice A., assignor.)
- Walker Tire Chain Company, The. (See Smith, Charles E., assignor.)
- Walker, Walter, Admiral, Tex. Cotton-spray. No. 1,071,486; Aug. 26; Gaz. vol. 193; p. 919.
- Walker, Willard R., Syracuse, N. Y. Broaching-die. No. 1,070,561; Aug. 19; Gaz. vol. 193; p. 579.
- Walker, Willard R., Syracuse, N. Y. Dish-washer. No. 1,070,562; Aug. 19; Gaz. vol. 193; p. 579.
- Walker, William E., New Orleans, La. Orthodontist's pliers. No. 1,064,404; June 10; Gaz. vol. 191; p. 457.
- Walker, William G., Westminster, London, England. Turbine. No. 1,063,089; May 27; Gaz. vol. 190; p. 970.
- Walker, William H., Johnstown, Pa. Accounting card system. No. 1,051,932; Feb. 4; Gaz. vol. 187; p. 29.
- Walker, William H., Johnstown, Pa. Mine-car appliance. No. 1,064,795; June 17; Gaz. vol. 191; p. 625.
- Walker, William H., Somerset, Ohio. Heating apparatus for metallic tires. No. 1,066,869; July 8; Gaz. vol. 192; p. 365.
- Walker, William R., New York, N. Y. Manufacture of steel. (Reissue.) No. 13,538; Feb. 25; Gaz. vol. 187; p. 1080.
- Walkup, Samuel T., New York, N. Y. Means for handling web-rolls and webs for printing-presses. No. 1,050,047; Jan. 7; Gaz. vol. 186; p. 247.
- Wall, Arthur W., Birmingham, England. Vehicle-frame. No. 1,056,073; Mar. 18; Gaz. vol. 188; p. 547.
- Wall, Clarence F., Holton, Kans. Automatic grain un-loader and elevator. No. 1,062,205; May 20; Gaz. vol. 190; p. 636.
- Wall, David E., Cumberland Furnace, Tenn. Spring-motor. No. 1,059,414; Apr. 22; Gaz. vol. 189; p. 814.
- Wall, Ellis W., Medford, Oreg. Outdoor cooking-crane. No. 1,071,834; Sept. 2; Gaz. vol. 194; p. 57.
- Wall, Enos A., Salt Lake City, Utah. Cam-and-tappet mechanism. No. 1,049,552; Jan. 7; Gaz. vol. 186; p. 81.
- Wall, Enos A., Salt Lake City, Utah. Hopper for crushing and grinding rolls. No. 1,050,183; Jan. 14; Gaz. vol. 186; p. 327.
- Wall, John D., Minneapolis, Minn. Framing attachment for carpenters' squares. No. 1,060,388; Apr. 29; Gaz. vol. 189; p. 1186.
- Wall, John H., Bristol, R. I. Device for manipulating explosive-engine valves. No. 1,065,749; June 24; Gaz. vol. 191; p. 980.
- Wall, William L., Philadelphia, Pa. Display-cabinet for eye-testing cards. No. 1,072,799; Sept. 9; Gaz. vol. 194; p. 416.
- Wall, William T., Houston, Tex. Hydrocarbon-burner. No. 1,075,678; Oct. 14; Gaz. vol. 195; p. 403.
- Wallace, Archie B., Keithsburg, Ill. Machine for cutting button-blanks. No. 1,062,672; May 27; Gaz. vol. 190; p. 832.
- Wallace, Charles F., New Brighton, N. Y. Ozonizer. No. 1,059,014; Apr. 15; Gaz. vol. 189; p. 642.
- Wallace, Christopher, Irondale, Mo. Fifth-wheel. No. 1,079,277; Nov. 18; Gaz. vol. 196; p. 763.
- Wallace, Edward M., New Orleans, La. Bag closure and carrier. No. 1,079,527; Nov. 25; Gaz. vol. 196; p. 880.
- Wallace, Elbert C., et al. (See Smith, Warren, assignor.)
- Wallace, Frank W., Chattanooga, Tenn. Machine for cutting grass from railway-tracks. No. 1,051,933; Feb. 4; Gaz. vol. 187; p. 29.
- Wallace, Frank W., Chattanooga, Tenn. Dental tool. No. 1,067,696; July 15; Gaz. vol. 192; p. 683.
- Wallace, Fred, and F. Ernst, Eden, N. Y. Safety feed-water controller for boilers. No. 1,074,536; Sept. 30; Gaz. vol. 194; p. 1099.
- Wallace, Frederick L. (See Johnston, Browne, and Wallace.)
- Wallace, George. (See Graham and Wallace.)
- Wallace, George E. (See Kilburn, John F., assignor.)
- Wallace, George G. (See Payne and Wallace.)
- Wallace, Harry J., Havana, Ill. Binder. No. 1,052,630; Feb. 11; Gaz. vol. 187; p. 301.
- Wallace, Isaac B., Independence, Kans. Railway-tie fastener. No. 1,072,281; Sept. 2; Gaz. vol. 194; p. 206.
- Wallace, James, Obenheim, Alsace, Germany. Coat-hanger. No. 1,059,649; Apr. 22; Gaz. vol. 189; p. 892.
- Wallace, James E., Paducah, Ky. Baking-pan attachment. No. 1,063,144; May 27; Gaz. vol. 190; p. 988.

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- Wallace, John A. (See Ponninghaus, Wilhelm B. D., assignor.)
- Wallace, John E., Varna, Ill. Developing-tube. No. 1,051,789; Jan. 28; Gaz. vol. 186; p. 941.
- Wallace, John N., La Crosse, Wis., assignor to Western Electric Company, New York, N. Y. Electric switch. No. 1,080,871; Dec. 9; Gaz. vol. 197; p. 364.
- Wallace, John W., Rutherford, N. J. Seaming device and seam. No. 1,053,458; Feb. 18; Gaz. vol. 187; p. 629.
- Wallace, Joseph H., New York, N. Y. Pulp-mill apparatus. No. 1,049,423; Jan. 7; Gaz. vol. 186; p. 36.
- Wallace, Roger W., and E. Wassmer, London, England. Preparation of metallic magnesium. No. 1,079,079; Nov. 18; Gaz. vol. 196; p. 698.
- Wallace, Roger W., and E. Wassmer, London, England. Production of ammonia. No. 1,083,232; Dec. 30; Gaz. vol. 197; p. 1257.
- Wallace, Squire A., *et al.* (See Hudgins, William F., assignor.)
- Wallace, Thomas, Valparaiso, Ind. Apparatus for cleaning chalk-board erasers. No. 1,062,311; May 20; Gaz. vol. 190; p. 672.
- Wallace, Venemon L., Salt Lake City, Utah. Vehicle-sign. No. 1,065,854; June 24; Gaz. vol. 191; p. 1016.
- Wallace, William C. (See White and Wallace.)
- Wallace, William H., Vici, and E. E. Thompson, Chester, Okla. Animal-poke. No. 1,053,077; Feb. 11; Gaz. vol. 187; p. 454.
- Wallbillich, Anthony F., assignor to The Bryant Electric Company, Bridgeport, Conn. Safety mechanism for stamping-presses and the like. No. 1,078,391; Nov. 11; Gaz. vol. 196; p. 430.
- Wallbillich, Gustav, Brown Station, N. Y. Ejector. No. 1,061,429; May 13; Gaz. vol. 190; p. 331.
- Wallem, Axel B., Cynwyd, assignor to Harrison Safety Boiler Works, Philadelphia, Pa. Liquid-measuring apparatus. No. 1,062,937; May 27; Gaz. vol. 190; p. 920.
- Wallen, Firman T., Bismarck, Mo. Dental instrument. No. 1,076,534; Oct. 21; Gaz. vol. 195; p. 726.
- Wallenthin, Nils C., Attleboro, Mass. Joint for bracelets. No. 1,056,074; Mar. 18; Gaz. vol. 188; p. 548.
- Wallenthin, Nils C., Attleboro, Mass. Pin. No. 1,080,872; Dec. 9; Gaz. vol. 197; p. 364.
- Waller, Carl R., Trenton, N. J., assignor to De Laval Steam Turbine Company, New York, N. Y. Governing mechanism. No. 1,064,877; June 17; Gaz. vol. 191; p. 651.
- Waller, Charles W., assignor of one-fifth to C. M. Peterman, Chicago, Ill. Apparatus for preserving perishable articles. No. 1,064,796; June 17; Gaz. vol. 191; p. 625.
- Waller, Fred, Lyons, Ill. Cooking utensil. No. 1,056,237; Mar. 18; Gaz. vol. 188; p. 604.
- Waller, Thomas S., assignor to Diamond Power Specialty Company, Detroit, Mich. Blower for boilers. No. 1,060,809; May 6; Gaz. vol. 190; p. 80.
- Wallin, Gustaf A. (See Marsh and Wallin.)
- Wallin, Gustaf A., assignor to A. Kimball Company, New York, N. Y. Pinless marking-ticket. No. 1,073,828; Sept. 23; Gaz. vol. 194; p. 836.
- Wallin, Van A., *et al.* (See Simpson, Tracy W., assignor.)
- Walling, Frederick J., Minneapolis, Minn. Hot-water and steam boiler. No. 1,058,298; Apr. 8; Gaz. vol. 189; p. 323.
- Walling, William F., Los Angeles, Cal. Machine for making imitation-tile flooring. No. 1,063,752; June 3; Gaz. vol. 191; p. 201.
- Wallis, Charles W., Toronto, Ontario, Canada. Life-boat. No. 1,071,835; Sept. 2; Gaz. vol. 194; p. 58.
- Wallis, Harry. (See Stinchcomb and Wallis.)
- Wallmann, Henning F., Chicago, Ill. Gas-producer. No. 1,072,536; Sept. 9; Gaz. vol. 194; p. 324.
- Wallos, Joseph, Los Angeles, Cal. Mechanism for browning flour. No. 1,064,263; June 10; Gaz. vol. 191; p. 409.
- Wallos, Joseph, Los Angeles, Cal. Browning flour. No. 1,079,676; Nov. 25; Gaz. vol. 196; p. 931.
- Walls, John A., Mount Washington, Md. Pencil. No. 1,075,880; Oct. 14; Gaz. vol. 195; p. 471.
- Walraven, Francis W., and C. E. Calkins, Las Cascadas, Canal Zone. Water-gage. No. 1,075,881; Oct. 14; Gaz. vol. 195; p. 471.
- Walrow, Hans F. (See Smith, Albert H., assignor.)
- Wals, André, Glasgow, Scotland. Lady's hat-pin. No. 1,073,881; Sept. 23; Gaz. vol. 194; p. 854.
- Walser, Joseph J., assignor to The Goss Printing Press Company, Chicago, Ill. Chases. No. 1,068,468; July 29; Gaz. vol. 192; p. 1019.
- Walser, Joseph J., assignor to The Goss Printing Press Company, Chicago, Ill. Printing-press. No. 1,073,450; Sept. 16; Gaz. vol. 194; p. 684.
- Walsh-Baker Corporation. (See Walsh, Thomas P., assignor.) (Reissue.)
- Walsh, Eugene W., assignor to Telephone Booth Renting and Sales Co., New York, N. Y. Door. No. 1,052,108; Feb. 4; Gaz. vol. 187; p. 92.
- Walsh, Frank C., assignor to The Sharp Spark Plug Company, Cleveland, Ohio. Spark-plug for explosion-engines. No. 1,076,535; Oct. 21; Gaz. vol. 195; p. 727.
- Walsh, George J., Brooklyn, N. Y. Shovel attachment. No. 1,058,819; Apr. 15; Gaz. vol. 189; p. 572.
- Walsh, George W., Boston, Mass. High and low water alarm apparatus. No. 1,072,062; Sept. 2; Gaz. vol. 194; p. 134.
- Walsh, James D., Brooklyn, N. Y. Display-stand. No. 1,074,669; Oct. 7; Gaz. vol. 195; p. 29.
- Walsh, James H., South Framingham, Mass. Fire-alarm. No. 1,068,469; July 29; Gaz. vol. 192; p. 1019.
- Walsh, James L., U. S. Army. Powder-grain. No. 1,077,320; Nov. 4; Gaz. vol. 196; p. 28.
- Walsh, James P., Marengo, Iowa. Engine-valve. No. 1,063,482; June 3; Gaz. vol. 191; p. 105.
- Walsh, James P., Marengo, Iowa. Bucket for excavating-machines. No. 1,065,286; June 17; Gaz. vol. 191; p. 786.
- Walsh, John J., Yonkers, N. Y. Cable-hanger. No. 1,080,130; Dec. 2; Gaz. vol. 197; p. 74.
- Walsh, John L., assignor to Ideal Machinery Company, Chicago, Ill. Unwinding device for spools. No. 1,080,739; Dec. 9; Gaz. vol. 197; p. 316.
- Walsh, Julius S., St. Louis, Mo. Headlight. No. 1,083,162; Dec. 30; Gaz. vol. 197; p. 1235.
- Walsh, Michael J., Mahanoy City, Pa. Valve. No. 1,052,536; Feb. 11; Gaz. vol. 187; p. 268.
- Walsh-Standard Store Service. (See Chism, Louis W., assignor.)
- Walsh, Thomas P., Worcester, Mass., assignor to Walsh-Baker Corporation, Portland, Me. Loom for weaving knotted fabrics. No. 1,063,627; June 3; Gaz. vol. 191; p. 158.
- Walsh, Thomas P., Worcester, Mass., assignor to Walsh-Baker Corporation, Portland, Me. Loom for tying oriental knots. No. 1,064,405; June 10; Gaz. vol. 191; p. 458.
- Walsh, Thomas P., Worcester, Mass., assignor to Walsh-Baker Corporation, Portland, Me. Loom for weaving knotted fabrics. No. 1,067,205; July 8; Gaz. vol. 192; p. 479.
- Walsh, Thomas P., Boston, Mass., assignor to Walsh-Baker Corporation, Portland, Me. Loom. No. 1,069,651; Aug. 5; Gaz. vol. 193; p. 192.
- Walsh, Thomas P., Boston, Mass., assignor to Walsh-Baker Corporation, Portland, Me. Means for selecting, spooling, shearing, and drawing in yarn for Axminster looms. No. 1,069,914; Aug. 12; Gaz. vol. 193; p. 314.
- Walsh, Thomas P., Boston, Mass., assignor to Walsh-Baker Corporation, Portland, Me. Loom for weaving oriental knotted fabrics. No. 1,071,973; Sept. 2; Gaz. vol. 194; p. 103.
- Walsh, Thomas P., Boston, Mass., assignor to Walsh-Baker Corporation, Portland, Me. Loom for weaving oriental knotted fabrics. No. 1,072,885; Sept. 9; Gaz. vol. 194; p. 448.
- Walsh, Thomas P., Boston, Mass., assignor to Walsh-Baker Corporation, Portland, Me. Machine for selecting, spooling, shearing, and drawing in yarn for Axminster looms. (Reissue.) No. 13,640; Nov. 4; Gaz. vol. 196; p. 252.
- Walsh, Vincent D., *et al.* (See Hoyt, George W., assignor.)
- Walsh, W. G., *et al.* (See Hoyt, George W., assignor.)
- Walsh, Walter W., Pittsburgh, Pa. Curtain-rod holder. No. 1,074,825; Oct. 7; Gaz. vol. 195; p. 80.
- Walsh, William, Jr., Avoca, Pa. Attachment for vehicles. No. 1,064,797; June 17; Gaz. vol. 191; p. 626.
- Walsh, William L., New York, N. Y. Car-ventilator. No. 1,056,608; Mar. 18; Gaz. vol. 188; p. 731.
- Walston, John T., Springfield, Mo. Gearing. No. 1,055,105; Mar. 4; Gaz. vol. 188; p. 153.
- Walstrom, Lee W. (See Froisig and Walstrom.)
- Walte, Charles, Louisville, Ky. Tripod. No. 1,064,798; June 17; Gaz. vol. 191; p. 626.
- Waltensperger, Alexander L., Detroit, Mich. Seat-actuating mechanism for water-closets. No. 1,079,732; Nov. 25; Gaz. vol. 196; p. 952.
- Walter A. Wood Mowing and Reaping Machine Company (See Percy, James E., assignor.)
- Walter, Anton E., Sultan, Wash. Support for punching-bags. No. 1,050,501; Jan. 14; Gaz. vol. 186; p. 439.
- Walter, Benjamin, Livermore, Pa. Tire. No. 1,050,581; Jan. 14; Gaz. vol. 186; p. 466.
- Walter, Bruce, Pittsburgh, assignor of one-half to G. H. Smith, Aspinwall, Pa. Gas-cleaner. No. 1,074,913; Oct. 7; Gaz. vol. 195; p. 110.
- Walter, Charles P., Harrisburg, Pa. Pavement. No. 1,073,647; Sept. 23; Gaz. vol. 194; p. 773.
- Walter, Edward C., New York, N. Y., assignor to H. T. Ambrose, Orange, N. J. Type-writer. No. 1,056,721; Mar. 18; Gaz. vol. 188; p. 770.
- Walter, Edward C., New York, N. Y., assignor to H. T. Ambrose, Orange, N. J. Type-writer. No. 1,073,573; Sept. 16; Gaz. vol. 194; p. 725.
- Walter, George W., assignor to E. G. Walthall, New York, N. Y. Trick-card. No. 1,061,576; May 13; Gaz. vol. 190; p. 385.
- Walter, Gotthold J., Detroit, Mich. Traction device for vehicle-wheels. No. 1,053,893; Feb. 18; Gaz. vol. 187; p. 775.
- Walter, Harrison B., assignor to National Fibre Box Company, Danville, Ill. Solid-end box. No. 1,055,243; Mar. 4; Gaz. vol. 188; p. 196.

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 Walter, John, Yates Center, Kans. Attachment for mowing-machines. No. 1,053,459; Feb. 18; Gaz. vol. 187; p. 629.
 Walter, Joseph, Alameda, Cal. Hygienic cuspidor. No. 1,059,793; Apr. 22; Gaz. vol. 189; p. 940.
 Walter, Max C., Talmage, Nebr. Ironing-board cabinet. No. 1,074,226; Sept. 30; Gaz. vol. 194; p. 999.
 Walter, Otto, Hanover, Germany. Vulcanizing distinct parts or surfaces of rubber. No. 1,052,430; Feb. 4; Gaz. vol. 187; p. 200.
 Walter, Otto W., Baltimore, Md. Umbrella attachment. No. 1,062,206; May 20; Gaz. vol. 190; p. 636.
 Walter, Sanford F. (See Lyons and Gruenberg, assignors.)
 Walter, Thomas C., Gravesend, England. Counter apparatus for displaying and dispensing beer. No. 1,056,238; Mar. 18; Gaz. vol. 188; p. 604.
 Walters, George, Dixfield, Me. Sewing kit. No. 1,081,070; Dec. 9; Gaz. vol. 197; p. 427.
 Walters, John. (See Bertina and Walters.)
 Walters, Joseph A., assignor of one-half to R. L. Ferguson. Poages Mill, Va. Apple sorter and cleaner. No. 1,081,640; Dec. 16; Gaz. vol. 197; p. 655.
 Walters, Julius W., Glens Falls, assignor to Mechanical Devices Co., Incorporated, Watervliet, N. Y. Shaft-hanger. No. 1,067,892; July 22; Gaz. vol. 192; p. 782.
 Walters, Mary E. (See Walters, Warren E. and M. E.)
 Walters, Nels P., Fort Madison, Iowa. Rail-joint splice. No. 1,064,945; June 17; Gaz. vol. 191; p. 673.
 Walters, S. Earl. (See Hooks, William L., assignor.)
 Walters, Samuel, Warren, Pa. Car-door. No. 1,051,790; Jan. 28; Gaz. vol. 186; p. 941.
 Walters, Warren E. and M. E., Los Angeles, Cal. Indicator and power device therefor. No. 1,075,882; Oct. 14; Gaz. vol. 195; p. 471.
 Walthall, Edgar G. (See Walter, George W., assignor.)
 Waltham Watch Company. (See Marsh, Edward A., assignor.)
 Walther, Carl, Chemnitz, Germany. Embroidering-machine. No. 1,052,194; Feb. 4; Gaz. vol. 187; p. 122.
 Walther Carl, Zella St. Bl., Thuringia, Germany. Pistol. No. 1,059,581; Apr. 22; Gaz. vol. 189; p. 871.
 Walther, Robert E., Werdau, Germany. Device for opening preserve-tins. No. 1,071,974; Sept. 2; Gaz. vol. 194; p. 104.
 Walther, Robert E., Werdau, Germany. Ball-bearing for spinning-machine spindles. No. 1,080,393; Dec. 2; Gaz. vol. 197; p. 169.
 Walton, Albert W. (See Walker and Walton.)
 Walton, Allyn B., Lorain, Ohio. Water-level-indicating system. No. 1,049,952; Jan. 7; Gaz. vol. 186; p. 214.
 Walton, Charles N., Monroe, N. Y. Weed-puller. No. 1,079,619; Nov. 25; Gaz. vol. 196; p. 913.
 Walton, Charles W., Lodi, Cal. Oil-burner. No. 1,052,537; Feb. 11; Gaz. vol. 187; p. 269.
 Walton, Christopher M., Rochester, N. Y. Spirit-level. No. 1,067,158; July 8; Gaz. vol. 192; p. 463.
 Walton, Edgar M., Kansas City, Mo. Cement shingle structure. No. 1,077,321; Nov. 4; Gaz. vol. 196; p. 28.
 Walton, Jerrold F., Sturgis, Mich. Adjustable chair. No. 1,079,528; Nov. 25; Gaz. vol. 196; p. 880.
 Walton, Oscar L. (See Mayer and Walton.)
 Walton, Robert, Racine, Wis. Necktie-clasp. No. 1,056,609; Mar. 18; Gaz. vol. 188; p. 731.
 Walton, William R., et al. (See Snyder, William H., assignor.)
 Walts, Frank M., New York, N. Y. Optical reflector. No. 1,074,145; Sept. 30; Gaz. vol. 194; p. 972.
 Waltz, Claud M., Summitville, Ind. Vehicle-spring. No. 1,061,342; May 13; Gaz. vol. 190; p. 302.
 Waltz, Frederick W., Allentown, Pa. Gas-jet. No. 1,066,349; July 1; Gaz. vol. 192; p. 157.
 Waltz, John J. (See Partridge, Charles E., assignor.)
 Walworth Manufacturing Company. (See Earle, Harry C., assignor.)
 Walworth, Richard. (See Ramsey, George W., assignor.)
 Walworth, Richard, Waltham, Mass. Bobbin-stripping machine. No. 1,080,794; Dec. 9; Gaz. vol. 197; p. 337.
 Walworth, Richard, Waltham, Mass. Bobbin-stripper. No. 1,080,942; Dec. 9; Gaz. vol. 197; p. 388.
 Wambsgans, Jacob, Peoria, Ill. Hinge-joint for artificial legs. No. 1,069,209; Aug. 5; Gaz. vol. 193; p. 43.
 Wanamaker, John. (See Tily and Rehfuß, assignors.)
 Wand, Leo, Elizabeth, Ill. Vehicle-support. No. 1,077,445; Nov. 4; Gaz. vol. 196; p. 72.
 Wand, Thomas C., et al. (See McCormick, William, assignor.)
 Wander, Alfred K., and R. Dalmar, Chicago, Ill. Trousers-belt. No. 1,078,974; Nov. 18; Gaz. vol. 196; p. 659.
 Wandersleb, Ernst, assignor to Firm of C. Zeiss, Jena, Germany. Photographic objective. No. 1,073,789; Sept. 23; Gaz. vol. 194; p. 823.
 Wandtke, Frank F., Superior, Wis. Grain-car door. No. 1,067,084; July 8; Gaz. vol. 192; p. 436.
 Wanek, Hans. (See Forster and Wanek.)
 Wangelin, Friedrich G., Dresden, Germany. Water-supply or flush tank. No. 1,082,056; Dec. 23; Gaz. vol. 197; p. 826.
 Waninger, Carl. (See Völler and Waninger.)
 Waninger, Carl, Dusseldorf, assignor to Rheinische Metallwaren- und Maschinenfabrik, Dusseldorf-Derendorf, Germany. Gearing. No. 1,072,282; Sept. 2; Gaz. vol. 194; p. 207.
 Wannewetsch, Andrew T., Buffalo, N. Y. Folding child's carriage. No. 1,076,087; Oct. 21; Gaz. vol. 195; p. 570.
 Wanz, Arthur H., and P. E. Johnson, San Francisco, Cal. Door-lock. No. 1,066,770; July 8; Gaz. vol. 192; p. 333.
 Wappler Electric Manufacturing Company. (See Wappler, Reinhold H., assignor.)
 Wappler, Reinhold H., assignor to American Cystoscope Makers, Inc., New York, N. Y. Headlight. No. 1,068,717; July 29; Gaz. vol. 192; p. 1105.
 Wappler, Reinhold H., assignor to Wappler Electric Manufacturing Co., Inc., New York, N. Y. Therapeutic electrode. No. 1,074,146; Sept. 30; Gaz. vol. 194; p. 972.
 Wappler, Reinhold H., assignor to Wappler Electric Manufacturing Company, New York, N. Y. Electric spark-gap. No. 1,075,075; Oct. 7; Gaz. vol. 195; p. 168.
 Warcup, Frank, Westernville, N. Y. Door-lock. No. 1,077,021; Oct. 28; Gaz. vol. 195; p. 952.
 Ward, Abram D., Chicago, Ill. Excavating-machine. No. 1,074,480; Sept. 30; Gaz. vol. 194; p. 1082.
 Ward, Albert. (See Ward, Karl and A.)
 Ward, Alfred, Port Huron, Mich. Blacking-box case. No. 1,074,914; Oct. 7; Gaz. vol. 195; p. 111.
 Ward, Arthur, and A. S. Gent, assignors to The Universal Shoe Machinery Company Limited, Northampton, England. Machine for sewing boots and shoes. No. 1,064,406; June 10; Gaz. vol. 191; p. 458.
 Ward, Charles W., Hancock, Mich. Valve. No. 1,062,064; May 20; Gaz. vol. 190; p. 587.
 Ward, Charles W., Lakewood, Ohio. Track-contactors. No. 1,082,184; Dec. 23; Gaz. vol. 197; p. 867.
 Ward, Cyrus J., Wheaton, Ill. Moistening device. No. 1,060,518; Apr. 29; Gaz. vol. 189; p. 1230.
 Ward, Daniel O., deceased, Oak Park, Ill.; N. L. Ward, administratrix. Self-locking nut and making the same. No. 1,077,022; Oct. 28; Gaz. vol. 195; p. 952.
 Ward, Daniel O., deceased, Oak Park, Ill.; N. L. Ward, administratrix. Self-locking nut. No. 1,077,023; Oct. 28; Gaz. vol. 195; p. 953.
 Ward, David H., Vancouver, British Columbia, Canada. Street-car indicator. No. 1,063,753; June 3; Gaz. vol. 191; p. 202.
 Ward, Edward C., Sioux Falls, S. D. Leaf for filing-books or file-cases. No. 1,056,135; Mar. 18; Gaz. vol. 188; p. 569.
 Ward, Edward C., Sioux Falls, S. D. Filing-case. No. 1,062,673; May 27; Gaz. vol. 190; p. 833.
 Ward, Edward C., Sioux Falls, S. D. Clip for leaves of filing-books. No. 1,069,210; Aug. 5; Gaz. vol. 193; p. 43.
 Ward, Edward F., Trumansburg, N. Y. Egg-carton. No. 1,077,322; Nov. 4; Gaz. vol. 196; p. 29.
 Ward, Ernest N. and F. J., assignors of one-third to S. M. West, Baxter Springs, Kans. Pneumatically-operated pump. No. 1,072,886; Sept. 9; Gaz. vol. 194; p. 448.
 Ward, Eugene S., Portland, Oreg. Search-light attachment for shotguns and the like. No. 1,080,795; Dec. 9; Gaz. vol. 197; p. 337.
 Ward, Frederick H., Brooklyn, N. Y. Staff-holder. No. 1,053,255; Feb. 18; Gaz. vol. 187; p. 559.
 Ward, Frederick H., Brooklyn, N. Y. Electric-box connection. No. 1,056,239; Mar. 18; Gaz. vol. 188; p. 604.
 Ward, Frederick H., Brooklyn, N. Y. Electric-box connection. No. 1,069,635; Aug. 5; Gaz. vol. 193; p. 188.
 Ward, Frederick J. (See Ward, Ernest N. and F. J.)
 Ward, Henry C., Newark, N. J. Stud. No. 1,060,044; Apr. 29; Gaz. vol. 189; p. 1066.
 Ward, Henry C., Newark, N. J. Eyeglasses. No. 1,070,756; Aug. 19; Gaz. vol. 193; p. 644.
 Ward, Ira J., Angora, Okla. Drag. No. 1,061,709; May 13; Gaz. vol. 190; p. 431.
 Ward, Isaac E., Mount Hope, Kans. Automatic tier for hay-presses. No. 1,078,023; Nov. 11; Gaz. vol. 196; p. 300.
 Ward, James A., Fort Smith, Ark. Kitchen-cabinet. No. 1,058,502; Apr. 8; Gaz. vol. 189; p. 425.
 Ward, John E., New York, N. Y., assignor to Standard Heat and Ventilation Company, Inc. Ventilator for railway-cars. No. 1,059,241; Apr. 15; Gaz. vol. 189; p. 717.
 Ward, John E., New York, N. Y., assignor to Standard Heat and Ventilation Company, Inc. Steam-heating system. No. 1,065,568; June 24; Gaz. vol. 191; p. 920.
 Wård, Karl and A., Stockholm, Sweden. Separator. No. 1,052,777; Feb. 11; Gaz. vol. 187; p. 349.
 Ward, Marzy J., Unadilla, N. Y. Tying device. No. 1,067,387; July 15; Gaz. vol. 192; p. 578.
 Ward, Nellie H., Milwaukee, Wis. Lady's hat-case. No. 1,073,191; Sept. 16; Gaz. vol. 194; p. 592.
 Ward, Nellie L., administratrix. (See Ward, Daniel O.)
 Ward, Norris C., Chicago, Ill. Internal-combustion engine. No. 1,079,307; Nov. 18; Gaz. vol. 196; p. 773.
 Ward Pump Company. (See Johnson, Oscar W., assignor.)

Alphabetical list of patentees—Continued.

- Ward, Thomas E., Attleboro, Mass., assignor to R. F. Simmons Company. Bracelet. No. 1,051,934; Feb. 4; Gaz. vol. 187; p. 30.
- Ward, Walter H., San Juan, Porto Rico. Gage. No. 1,062,525; May 20; Gaz. vol. 190; p. 741.
- Ward, Walter P., Austin, Tex. Protractor. No. 1,082,377; Dec. 23; Gaz. vol. 197; p. 937.
- Ward, William, *et al.* (See Davies, Alfred H., assignor.)
- Ward, William A., assignor to American Tag Company, Chicago, Ill. Tag. No. 1,052,865; Feb. 11; Gaz. vol. 187; p. 380.
- Ward, William H., Cumberland, Md. Car-replacer. No. 1,068,953; July 29; Gaz. vol. 192; p. 1189.
- Ward, William L., assignor of one-fourth to B. H. Harman, Watauga Falls, N. C. Safety-stirrup. No. 1,074,481; Sept. 30; Gaz. vol. 194; p. 1083.
- Ward, William M., St. Joseph, Mo. Buckle. No. 1,079,080; Nov. 18; Gaz. vol. 196; p. 698.
- Ward, Ziba G., Estes, Tex. Mechanical movement. No. 1,059,015; Apr. 15; Gaz. vol. 189; p. 642.
- Wardell, Fred. (See Stecker, Alfred J., assignor.)
- Wardell, Henry R., New York, N. Y., assignor to H. W. Johns-Manville Company. Road surface and preservative. No. 1,058,503; Apr. 8; Gaz. vol. 189; p. 426.
- Warden, John T. (See MacMahon and Warden.)
- Warden, William W., Jr., Eads, Colo. Magazine tobacco-pipe. No. 1,055,842; Mar. 11; Gaz. vol. 188; p. 436.
- Warder, Walter J., Jr., Chicago, Ill., assignor to The Adams & Westlake Company. Electric signaling device. No. 1,073,192; Sept. 16; Gaz. vol. 194; p. 592.
- Wardwell Braiding Machine Company. (See Wardwell and Brink, assignors.)
- Wardwell, Simon W., Providence, R. I. Braiding-machine. No. 1,064,407; June 10; Gaz. vol. 191; p. 458.
- Wardwell, Simon W., Providence, R. I. Supply-carrier for braiding-machines. No. 1,072,800; Sept. 9; Gaz. vol. 194; p. 416.
- Wardwell, Simon W., Providence, R. I. Braiding-machine. No. 1,073,308; Sept. 16; Gaz. vol. 194; p. 635.
- Wardwell, Simon W., Providence, R. I. Speed-changing device. No. 1,075,800; Oct. 14; Gaz. vol. 195; p. 444.
- Wardwell, Simon W., Providence, R. I. Braiding-machine. No. 1,081,474; Dec. 16; Gaz. vol. 197; p. 602.
- Wardwell, Simon W., Providence, R. I. Braiding-machine. No. 1,082,981; Dec. 30; Gaz. vol. 197; p. 1178.
- Wardwell, Simon W., and C. A. Brink, Providence, R. I., assignors to Wardwell Braiding Machine Company, Portland, Me. Holder for cop-tubes, bobbins, spools, or the like. No. 1,078,393; Nov. 11; Gaz. vol. 196; p. 431.
- Wardy, Harry A., St. Louis, Mo. Touch-system index. No. 1,058,118; Apr. 8; Gaz. vol. 189; p. 292.
- Ware, George C., Plainville, Mass. Box-cover fastener. No. 1,063,628; June 3; Gaz. vol. 191; p. 159.
- Ware, Stephen, Hornsby, New South Wales, Australia. Machine for teasing and cleaning fibrous materials. No. 1,075,076; Oct. 7; Gaz. vol. 195; p. 168.
- Ware, Walter F., Haddonfield, N. J. Folding box. No. 1,056,474; Mar. 18; Gaz. vol. 188; p. 684.
- Ware, Walter F., Haddonfield, N. J. Suspensory bandage. No. 1,057,693; Apr. 1; Gaz. vol. 189; p. 102.
- Wareham, Percy, Hudson, Mich. Waste-paper press. No. 1,058,281; Apr. 8; Gaz. vol. 189; p. 348.
- Waring, Edward M., Brooklyn, N. Y. Electric cloth-cutting machine. No. 1,053,331; Feb. 18; Gaz. vol. 187; p. 585.
- Waring, Florence P. (See Hafemann, Louis, assignor.)
- Waring, Stewart, Evanston, assignor to Sears, Roebuck and Company, Chicago, Ill. Paper-winding mechanism. No. 1,081,933; Dec. 16; Gaz. vol. 197; p. 754.
- Warland, William E., administrator. (See Rampini, Christian.)
- Warmbrunn, Quilitz & Co. (See Kaufmann, Ludwig, assignor.)
- Warne, Alfred, Miami, Fla. Cuspidor. No. 1,080,090; Dec. 2; Gaz. vol. 197; p. 60.
- Warner, Alonzo A., assignor to Landers, Frary & Clark, New Britain, Conn. Detachable handle. No. 1,058,119; Apr. 8; Gaz. vol. 189; p. 293.
- Warner, Alonzo A., assignor to Landers, Frary & Clark, New Britain, Conn. Plug connection for electrical work. No. 1,059,650; Apr. 22; Gaz. vol. 189; p. 892.
- Warner, Alonzo A., assignor to Landers, Frary & Clark, New Britain, Conn. Electric toaster. No. 1,080,667; Dec. 9; Gaz. vol. 197; p. 291.
- Warner, Alonzo A., assignor to Landers, Frary & Clark, New Britain, Conn. Electric heating element. No. 1,081,414; Dec. 16; Gaz. vol. 197; p. 582.
- Warner, Andrew J. (See Roderick and Warner.)
- Warner, Arthur E., Vermillion, Kans. Railway-tie and rail-fastener. No. 1,051,037; Jan. 21; Gaz. vol. 186; p. 657.
- Warner Brothers Company. (See Warner, De Ver H., assignor.)
- Warner Brothers Company, The. (See Wilson, Clarence C., assignor.)
- Warner, Charles H., assignor to Warner Instrument Company, Beloit, Wis. Automatic timing device. No. 1,053,685; Feb. 18; Gaz. vol. 187; p. 707.
- Warner, Charles H., assignor to Warner Instrument Company, Beloit, Wis. Means for adjusting tachometers for temperature compensation. No. 1,054,375; Feb. 25; Gaz. vol. 187; p. 978.
- Warner, Charles W., Middletown, Conn., assignor to Good Manufacturing Company, New York, N. Y. Shelf and bar bracket. No. 1,067,850; July 22; Gaz. vol. 192; p. 768.
- Warner, De Ver H., assignor to Warner Brothers Company, Bridgeport, Conn. Buckle. No. 1,064,113; June 10; Gaz. vol. 191; p. 357.
- Warner, Frederick A., Halifax, Nova Scotia, Canada. Sounding device. No. 1,055,244; Mar. 4; Gaz. vol. 188; p. 197.
- Warner, Frederick E., Bridgeport, Conn. Tumbling-barrel. No. 1,073,945; Sept. 23; Gaz. vol. 194; p. 876.
- Warner, Frederick E., assignor to The King Machine Company, Bridgeport, Conn. Ironing-machine. No. 1,078,394; Nov. 11; Gaz. vol. 196; p. 431.
- Warner, George B., Fitchburg, assignor to P. T. Jackson, Jr., Boston, Mass. Mandrel for paper-winding machines. No. 1,067,564; July 15; Gaz. vol. 192; p. 637.
- Warner, George B., Fitchburg, assignor to P. T. Jackson, Jr., Boston, Mass. Mandrel for paper-winding machines. No. 1,076,536; Oct. 21; Gaz. vol. 195; p. 727.
- Warner, Gilbert W., Kenmore, Ohio. Rail-joint. (Reissue.) No. 13,639; Nov. 4; Gaz. vol. 196; p. 251.
- Warner, Glen. (See Unser and Warner.)
- Warner, Herbert, Sayner, Wis. Anchor. No. 1,057,600; Apr. 1; Gaz. vol. 189; p. 70.
- Warner Instrument Company. (See Warner, Charles H., assignor.)
- Warner Jewelry Case Company. (See Sundee, John R., assignor.)
- Warner, John F., Ashburn, Va. Bouquet-holder for burial-caskets. No. 1,052,109; Feb. 4; Gaz. vol. 187; p. 92.
- Warner, John F., Muncie, Ind. Pump. No. 1,079,308; Nov. 18; Gaz. vol. 196; p. 774.
- Warner, Ludo J., Chicago, Ill. Freight-car or the like. No. 1,072,887; Sept. 9; Gaz. vol. 194; p. 449.
- Warner, Ralph B., and M. L. Shroat, Marion, Ind. Oil-burner. No. 1,077,178; Oct. 28; Gaz. vol. 195; p. 999.
- Warner, Robert B. (See McLane, Friedrich, and Warner.)
- Warner, Robert L., Concord, Mass. Sight for firearms. No. 1,051,791; Jan. 28; Gaz. vol. 186; p. 941.
- Warnock, Wallace S., Chicago, Ill. Printer's clamping device. No. 1,060,218; Apr. 29; Gaz. vol. 189; p. 1124.
- Warrell, John D., Deweyville, Tex. Rail-tie. No. 1,078,075; Nov. 11; Gaz. vol. 196; p. 318.
- Warren, Albert J., Corridon, Mo. Stump-puller. No. 1,075,883; Oct. 14; Gaz. vol. 195; p. 472.
- Warren, Barnett, Mobile, Ala. Water-tube boiler. No. 1,054,726; Mar. 4; Gaz. vol. 188; p. 25.
- Warren Brothers Company. (See Ash, Horace W., assignor.)
- Warren, Charles H., Cathlamet, Wash. Can-washing machine. No. 1,055,843; Mar. 11; Gaz. vol. 188; p. 436.
- Warren, Clarence S., Milford, Ohio. Individual telephone-mouthpiece. No. 1,072,537; Sept. 9; Gaz. vol. 194; p. 325.
- Warren, David, Lewiston, Me. Steam-trap. No. 1,057,469; Apr. 1; Gaz. vol. 189; p. 25.
- Warren, Floyd E. (See Kendall and Warren.)
- Warren, Frank, assignor to The Toledo Electric Welder Company, Cincinnati, Ohio. Electric welding-machine. (Reissue.) No. 13,530; Feb. 11; Gaz. vol. 187; p. 480.
- Warren, Frank D., Colorado Springs, Colo. Electrical fly-killer. No. 1,058,680; Apr. 8; Gaz. vol. 189; p. 485.
- Warren, Fred P., Evanston, Ill. Fastening device. No. 1,080,030; Dec. 2; Gaz. vol. 197; p. 39.
- Warren, George E., Boston, Mass., assignor to Campbell Bosworth Machinery Company, Portland, Me. Sewing-machine. No. 1,070,369; Aug. 12; Gaz. vol. 193; p. 471.
- Warren, Homer, trustee. (See Harrington, John A., assignor.)
- Warren, John F., Charleston, S. C. Mail-delivery box. No. 1,055,106; Mar. 4; Gaz. vol. 188; p. 153.
- Warren, John J., Brownville, N. Y. Wire-guide. No. 1,066,687; July 8; Gaz. vol. 192; p. 304.
- Warren, Lyman E., New York, N. Y. Apparatus for generating and transmitting power. No. 1,069,361; Aug. 5; Gaz. vol. 193; p. 96.
- Warren, Mycagah C., Coffeyville, Kans. Carbon-holder for arc-lamps. No. 1,054,063; Feb. 25; Gaz. vol. 187; p. 871.
- Warren, Mycagah C., Coffeyville, Kans. Electric fuse. No. 1,056,862; Mar. 25; Gaz. vol. 188; p. 847.
- Warren, N. A., *et al.* (See Ross, James T., assignor.)
- Warren Steam Pump Company. (See Gage, Burt O., assignor.)
- Warren Webster & Company. (See Fitts, James L., assignor.)
- Warren Webster & Company. (See Osbourn, Millard P., assignor.)
- Warren, William O. (See Bailey and Warren.)
- Warrick, Oliver C., Pittsboro, Ind. Land-anchor. No. 1,052,700; Feb. 11; Gaz. vol. 187; p. 324.
- Warter, Frank A., Perth Amboy, N. J. Rope-clamp. No. 1,057,307; Mar. 25; Gaz. vol. 188; p. 999.

Alphabetical list of patentees—Continued.

- Wartman, George H., Montezano, Wash. Dust-pan attachment. No. 1,076,177; Oct. 21; Gaz. vol. 195; p. 600.
- Warwick, Arthur W., Colorado Springs, Colo., assignor to A. C. Shenstone, deceased, New York, N. Y.; J. N. and E. M. Shenstone, executors. Ore-agitator. No. 1,054,629; Feb. 25; Gaz. vol. 187; p. 1063.
- Warwick, Charles, Vancouver, British Columbia, Canada. Spring vehicle-wheel. No. 1,081,415; Dec. 16; Gaz. vol. 197; p. 582.
- Warwick, George T., assignor to International Machine and Screw Company, Springfield, Mass. Mechanism for slotting the heads of screws. No. 1,082,720; Dec. 30; Gaz. vol. 197; p. 1088.
- Warwick, Randolph T. (See Holmes, Edwin S., Jr., assignor.)
- Wasbauer, Alfred M. (See Sullivan and Wasbauer.)
- Wasbauer, Isidore. (See Sullivan and Wasbauer, assignors.)
- Washable Shoe Company. (See Fulton, Henry C., assignor.)
- Washburn, Arthur W., and C. D. Keeler, Memphis, Tenn. Resilient tire. No. 1,057,514; Apr. 1; Gaz. vol. 189; p. 41.
- Washburn, Frank S., Nashville, Tenn. Rendering calcium cyanamid non-dusting. No. 1,049,953; Jan. 7; Gaz. vol. 186; p. 214.
- Washburn, Frank S., Nashville, Tenn. Treating commercial calcium cyanamid. No. 1,053,761; Feb. 18; Gaz. vol. 187; p. 733.
- Washburn, Frederick, Michigan City, Ind. Curtain-bracket. No. 1,080,612; Dec. 9; Gaz. vol. 197; p. 272.
- Washburn, Herbert C., Suffern, N. Y. Vehicle-brake. No. 1,074,482; Sept. 30; Gaz. vol. 194; p. 1083.
- Washburn, James M., Chicago, Ill. Support for cards, pictures, and the like. No. 1,071,836; Sept. 2; Gaz. vol. 194; p. 58.
- Washburn, Reginald, and A. L. Comtois, Worcester, Mass., assignors to Woods-Sherwood Company. Culinary utensil. No. 1,067,290; July 15; Gaz. vol. 192; p. 546.
- Washburn, Samuel D., Boston, Mass. Paper drinking-cup. No. 1,065,486; June 24; Gaz. vol. 191; p. 892.
- Washburn, Thomas E., Coalinga, Cal. Composite-picture device. No. 1,064,576; June 10; Gaz. vol. 191; p. 516.
- Washburne, James V., Fulton, N. Y. Shade-roller. No. 1,053,460; Feb. 18; Gaz. vol. 187; p. 629.
- Washington Iron Works Company. (See Watt, Sern P., assignor.)
- Washington, William H., Ercildoun, Pa. Lamp-chimney holder. No. 1,058,282; Apr. 8; Gaz. vol. 189; p. 349.
- Wasmus, Adolf, Hamburg, assignor to Gesellschaft für Drahtlose Telegraphie, m. b. H., Berlin, Germany. Means for producing Röntgen rays. No. 1,067,851; July 22; Gaz. vol. 192; p. 769.
- Wass, Knut A., and B. A. E. Johnson, assignors to Aktiebolaget Gehr. Arehns Mekaniska Verkstad, Stockholm, Sweden. Automatic stopping device for box-making machines. No. 1,057,102; Mar. 25; Gaz. vol. 188; p. 932.
- Wassberg, Albert, Coscob, Conn. Hinge-seat-mortising tool. No. 1,080,310; Dec. 2; Gaz. vol. 197; p. 137.
- Wassell, Clifford R., Ocean Springs, Miss. Hydrocarbon-burner. No. 1,071,117; Aug. 26; Gaz. vol. 193; p. 797.
- Wassenberg, Theodor. (See Böcker, Jacob, assignor.)
- Wasserman, Edwin A., San Francisco, Cal. Candy-packing machine. No. 1,078,180; Nov. 11; Gaz. vol. 196; p. 354.
- Wassermann, August von, Berlin, and E. Wassermann, Frankfurt-on-the-Main, Germany. Preparation of colored seleniferous and telluriferous substances. No. 1,061,889; May 13; Gaz. vol. 190; p. 485.
- Wassermann, Ernst. (See Wassermann, August von and E.)
- Wassmer, Eugène. (See Wallace and Wassmer.)
- Wassmund, Hermann A., and E. Müller, assignors to Patent-Besteck-Werke, G. M. B. H., Berlin, Germany. Tangs. No. 1,071,282; Aug. 26; Gaz. vol. 193; p. 851.
- Wasson, David B., Bradford, Pa. Vehicle top-securing device. No. 1,054,475; Feb. 25; Gaz. vol. 187; p. 1013.
- Wasson, John B., Newton, Iowa. Ice-cutting machine. No. 1,070,930; Aug. 19; Gaz. vol. 193; p. 698.
- Watanabe, Tetsusaburo, New York, N. Y. Protective device for envelopes. No. 1,065,012; June 17; Gaz. vol. 191; p. 695.
- Watchorn, Robert F., Millbury, Mass. Dobby. No. 1,074,670; Oct. 7; Gaz. vol. 195; p. 29.
- Water Power Vacuum Cleaner Co. (See Clifton, James P., assignor.)
- Water & Sewage Purification Company. (See Leet, Lynn T., assignor.)
- Waterbury Button Company. (See Smith, Joseph R., assignor.)
- Waterbury Farrel Foundry and Machine Company, The. (See Candee, Zenas P., assignor.)
- Waterbury, George N., Jr., Washington, D. C. Battery-holder. No. 1,076,927; Oct. 28; Gaz. vol. 195; p. 918.
- Waterbury Manufacturing Co. (See Wellington, Arthur W., assignor.)
- Waterbury Mfg. Co. (See Goetz, Henry F., assignor.)
- Waterbury Mfg. Co. (See Recker, Adolph C., assignor.)
- Waterbury Mfg. Co., The. (See Smith, Frederic C., assignor.)
- Waterbury Tool Company, The. (See Janney, Reynolds, assignor.)
- Waterbury Tool Company. (See Williams and Janney, assignors.)
- Waterloo Cement Machinery Corporation, The. (See Ahlborn, Theodore, assignor.)
- Waterloo Register Company, The. (See Carter, William L., assignor.)
- Waterman, Frank N. (See Stillwell and Waterman.)
- Waterman, Fred W., Elyria, Ohio, assignor to National Tube Company, Pittsburgh, Pa. Looping device for rolling-mills. No. 1,072,676; Sept. 9; Gaz. vol. 194; p. 372.
- Waterman, Helen M., Orange, N. J. Polisher for eye-glasses. No. 1,074,671; Oct. 7; Gaz. vol. 195; p. 30.
- Waterman, Ira, assignor, by mesne assignments, to J. W. Page, Adrian, Mich. Voting-machine. No. 1,076,088; Oct. 21; Gaz. vol. 195; p. 570.
- Waterman, Lewis E., assignor to Emerson-Brantingham Company, Rockford, Ill. Plow. No. 1,063,928; June 3; Gaz. vol. 191; p. 260.
- Waterman, Lewis E., assignor to Emerson-Brantingham Company, Rockford, Ill. Lister. No. 1,064,264; June 10; Gaz. vol. 191; p. 409.
- Waterman, Lewis E., assignor to Emerson-Brantingham Company, Rockford, Ill. Land-roller. No. 1,064,265; June 10; Gaz. vol. 191; p. 409.
- Waterman, Lewis E., assignor to Emerson-Brantingham Company, Rockford, Ill. Riding attachment for harrows. No. 1,064,266; June 10; Gaz. vol. 191; p. 409.
- Waterman, Lewis E., assignor to Emerson-Brantingham Company, Rockford, Ill. Seat-support. No. 1,064,267; June 10; Gaz. vol. 191; p. 410.
- Waterman, Lewis E., assignor to Emerson-Brantingham Company, Rockford, Ill. Hay rake and tedder. No. 1,072,677; Sept. 9; Gaz. vol. 194; p. 373.
- Waterman, Lewis E., assignor to Emerson-Brantingham Company, Rockford, Ill. Power-lift plow. No. 1,072,678; Sept. 9; Gaz. vol. 194; p. 373.
- Waterman, Lewis E., assignor to Emerson-Brantingham Company, Rockford, Ill. Clutch mechanism. No. 1,077,497; Nov. 4; Gaz. vol. 196; p. 92.
- Waterman, Lewis E., assignor to Emerson-Brantingham Company, Rockford, Ill. Harrow. No. 1,081,918; Dec. 16; Gaz. vol. 197; p. 749.
- Waterman, Raymond, Minneapolis, Minn. Grading-machine. No. 1,060,652; May 6; Gaz. vol. 190; p. 30.
- Waters, Beverly L., assignor to Lyon Metallic Manufacturing Company, Aurora, Ill. Tire-rack. No. 1,075,801; Oct. 14; Gaz. vol. 195; p. 444.
- Waters, Edwin, Elgin, Ill. Indicator. No. 1,070,563; Aug. 19; Gaz. vol. 193; p. 580.
- Waters, John F., Kansas City, Mo. Tire-gage. No. 1,079,965; Dec. 2; Gaz. vol. 197; p. 15.
- Waters, John K., Banning, Cal. Door-hinge. No. 1,062,623; May 27; Gaz. vol. 190; p. 817.
- Waters, John K., and W. C. Winchester, Banning, Cal. Hinge. No. 1,059,415; Apr. 22; Gaz. vol. 189; p. 814.
- Waters, Otis M., Mount Vernon, Ill. Stock and poultry drinking-fountain. No. 1,052,631; Feb. 11; Gaz. vol. 187; p. 301.
- Waters, Richard H., Rosebud, Tex. Wrench. No. 1,072,283; Sept. 2; Gaz. vol. 194; p. 207.
- Waters, Samuel B., assignor to National Radiator Company, Johnstown, Pa. Steam and water heater or boiler. No. 1,061,890; May 13; Gaz. vol. 190; p. 485.
- Waterson, Henry, trustee. (See Emerson, George E., assignor.)
- Watertown Specialty Company. (See Clelland, William J., assignor.)
- Waterworth, Charles E., Las Cascadas, Canal Zone. Umbrella. No. 1,053,762; Feb. 18; Gaz. vol. 187; p. 734.
- Waterworth, Charles E., Las Cascadas, Canal Zone. Ratchet-wrench. No. 1,057,903; Apr. 1; Gaz. vol. 189; p. 174.
- Watkins, Edward F., Covington, La. Catafalque. No. 1,075,077; Oct. 7; Gaz. vol. 195; p. 169.
- Watkins, Frank M., Cincinnati, Ohio. Laundry-drier. No. 1,060,801; May 6; Gaz. vol. 190; p. 81.
- Watkins, George A., Columbus, Ohio. Form for concrete cisterns. No. 1,080,187; Dec. 2; Gaz. vol. 197; p. 94.
- Watkins, John W. (See Brogden and Watkins.)
- Watkins, Orla H., assignor to himself, J. A. and W. J. Kelly, Clinton, Iowa. Worm-gear driving mechanism. No. 1,060,802; May 6; Gaz. vol. 190; p. 81.
- Watkins, Orla H., assignor to himself, J. A. and W. J. Kelly, Clinton, Iowa. Driving mechanism for washing-machines. No. 1,074,073; Sept. 23; Gaz. vol. 194; p. 919.
- Watkins, Orla H., assignor to himself, J. A. and W. J. Kelly, Clinton, Iowa. Driving mechanism for washing-machines. No. 1,075,175; Oct. 7; Gaz. vol. 195; p. 202.
- Watkins, Robert L., New York, N. Y. Rheostat. No. 1,082,982; Dec. 30; Gaz. vol. 197; p. 1178.
- Watkins, Samuel J., Avondale, Colo. Boring-bit. No. 1,073,005; Sept. 9; Gaz. vol. 194; p. 492.
- Watkins, Thomas J., Richmond, Va. Boring-machine. No. 1,056,610; Mar. 18; Gaz. vol. 188; p. 731.

Alphabetical list of patentees—Continued.

- Watkins, Washington S., Farmington, Wash. Broom-holder. No. 1,051,471; Jan. 28; Gaz. vol. 186; p. 836.
- Watkins, William J., assignor of one-half to N. G. Drumm, Fort Worth, Tex., and one-fourth to J. A. Wisherd, Stanton, Nebr. Puncture-closing compound. No. 1,062,426; May 20; Gaz. vol. 190; p. 709.
- Watkins, Zedok P., *et al.* (See Julien, Ernest E., assignor.)
- Watres, Lewis S., assignor to Hull Manufacturing Company, Scranton, Pa. Feed-water controller and low-water alarm for boilers. No. 1,050,185; Jan. 14; Gaz. vol. 186; p. 327.
- Watrigan, Henri L. A. M. (See Guignard and Watrigan.)
- Watrous, Earl G., Chicago, Ill. Tire-fastener. No. 1,051,975; Feb. 4; Gaz. vol. 187; p. 44.
- Watrous, Earl G., Chicago, Ill. Basin-cock. No. 1,063,230; June 3; Gaz. vol. 191; p. 21.
- Watrous, Earl G., Chicago, Ill. Flushing-valve. No. 1,066,350; July 1; Gaz. vol. 192; p. 157.
- Watrous, Earl G., Chicago, Ill. Liquid-soap fixture. No. 1,082,249; Dec. 23; Gaz. vol. 197; p. 891.
- Watrous, Earl G., Chicago, Ill. Lavatory-fixture. No. 1,082,250; Dec. 23; Gaz. vol. 197; p. 892.
- Watrous, Edward L., Des Moines, Iowa, assignor to D. B. Gann, Chicago, Ill. Sash-hanger. No. 1,055,431; Mar. 11; Gaz. vol. 188; p. 299.
- Watrous, Edward L., Des Moines, Iowa, assignor to D. B. Gann, Chicago, Ill. Agitator for washing-machines. No. 1,069,504; Aug. 5; Gaz. vol. 193; p. 145.
- Watskey, Claire V. (See Jackson, Salo J., assignor.)
- Watson, Alexander, Beaumont, assignor of one-half to B. C. Leavitt, Duxbury, and one-half to P. H. Delano, Kingston, Mass. Valve. No. 1,057,308; Mar. 25; Gaz. vol. 188; p. 1000.
- Watson, Cecil, London, England. Buffing and draft gear for railway and other rolling-stock. No. 1,062,312; May 20; Gaz. vol. 190; p. 673.
- Watson, Clarke D., and C. D. Hayward, assignors to Kuns, Hayward, Watson Co., Los Angeles, Cal. Collapsible go-cart. No. 1,071,376; Aug. 26; Gaz. vol. 193; p. 883.
- Watson, David S., Canastota, N. Y. Fire-shield for belt-openings. No. 1,058,283; Apr. 8; Gaz. vol. 189; p. 349.
- Watson, Edward A., Springfield, Ill. Surgical appliance. No. 1,050,261; Jan. 14; Gaz. vol. 186; p. 353.
- Watson, Edward J., and R. F. Downey; said Downey assignor of one-half of his right to W. O. Sisson, Milwaukee, Wis. Tire-inflating mechanism. No. 1,082,983; Dec. 30; Gaz. vol. 197; p. 1179.
- Watson-Electric Co. (See Flagg and Towers, assignors.)
- Watson, Frank L. (See Watson, George and F. L.)
- Watson, Frank L., Lynchburg, Va. Radiator-valve. No. 1,053,763; Feb. 18; Gaz. vol. 187; p. 734.
- Watson, George, London, and F. L. Watson, Pershore, England. Fire-grate for refuse-destructors and other furnaces. No. 1,050,317; Jan. 14; Gaz. vol. 186; p. 373.
- Watson, George E., Hickory Point, Tenn. Corn and pea planter. No. 1,078,395; Nov. 11; Gaz. vol. 196; p. 431.
- Watson, George W. (See Esse and Watson.)
- Watson, James M. (See Mitchell, James W., assignor.)
- Watson, John, assignor of one-half to F. W. Kellar, Moultrieville, S. C. Lock. No. 1,070,757; Aug. 19; Gaz. vol. 193; p. 644.
- Watson, Joseph R., and R. M. Liston, Tiltonsville, Ohio. Combined railway-tie and fastener. No. 1,079,677; Nov. 25; Gaz. vol. 196; p. 932.
- Watson Manufacturing Company. (See Johnson, Otto T., assignor.)
- Watson Manufacturing Company. (See Watson and Carlson, assignors.)
- Watson, Richard M., Detroit, Mich. Loose-leaf binder. No. 1,049,785; Jan. 7; Gaz. vol. 186; p. 159.
- Watson, Richard M., Detroit, Mich. Loose-leaf binder. No. 1,057,103; Mar. 25; Gaz. vol. 188; p. 932.
- Watson, Richard M., Detroit, Mich. Loose-leaf binder. No. 1,075,740; Oct. 14; Gaz. vol. 195; p. 424.
- Watson, Robert C., Washington, assignor of one-half to J. A. Stuart, Congress Heights, D. C. Railway-tie and fastening device. No. 1,057,309; Mar. 25; Gaz. vol. 188; p. 1000.
- Watson-Stillman Company, The. (See Wigtel, Carl, assignor.)
- Watson, Susan E. (See Commerford and Watson.)
- Watson, Thomas S., C. A. Rhine, and C. H. Keeney, assignors to Union Electric Manufacturing Company, Milwaukee, Wis. Switch. No. 1,059,416; Apr. 22; Gaz. vol. 189; p. 815.
- Watson, Wilbur J., East Cleveland, Ohio. Centering for concrete or masonry arches. No. 1,071,118; Aug. 26; Gaz. vol. 193; p. 797.
- Watson, William A., Medford Hillside, assignor to National Piano Company, Boston, Mass. Pneumatic attachment for pianos. No. 1,059,324; Apr. 15; Gaz. vol. 189; p. 746.
- Watson, William A., Medford, assignor to National Piano Company, Boston, Mass. Key-rail for player-pianos. No. 1,061,430; May 13; Gaz. vol. 190; p. 332.
- Watson, William H., assignor of one-fourth to Z. H. Hutchins and one-fourth to J. T. Butler, Los Angeles, Cal. Automatic block system. No. 1,068,614; July 29; Gaz. vol. 192; p. 1069.
- Watson, William T., Vancouver, British Columbia, Canada. Car-fender. No. 1,062,526; May 20; Gaz. vol. 190; p. 741.
- Watson, William W. (See Gschwind, Leon, assignor.)
- Watson, William W., and H. Carlson, assignors to Watson Manufacturing Company, Jamestown, N. Y. Follower for vertical filing-drawers. No. 1,068,190; July 22; Gaz. vol. 192; p. 883.
- Watson, William W., and H. Carlson, assignors to Watson Manufacturing Company, Jamestown, N. Y. Filing-case drawer. No. 1,071,487; Aug. 26; Gaz. vol. 193; p. 919.
- Watson, William W., and J. G. Carlson, assignors to Watson Manufacturing Company, Jamestown, N. Y. Suspension for filing-drawers. No. 1,068,375; July 22; Gaz. vol. 192; p. 948.
- Watson, Winfield S., Memphis, Tenn. Wax-extracting apparatus. No. 1,058,648; Apr. 8; Gaz. vol. 189; p. 473.
- Watt, Bruce A., Moorcroft, Wyo. Four-wheel scraper. No. 1,056,611; Mar. 18; Gaz. vol. 188; p. 731.
- Watt, Bruce A., Moorcroft, Wyo. Safety neck-yoke. No. 1,056,612; Mar. 18; Gaz. vol. 188; p. 732.
- Watt, George F., assignor to Elliott-Fisher Company, Harrisburg, Pa. Tally attachment for type-writing machines. No. 1,082,057; Dec. 23; Gaz. vol. 197; p. 826.
- Watt, James A., New York, N. Y., assignor to A. S. Gustafson, Lowell, Mass. Tooth-brush. No. 1,059,508; Apr. 22; Gaz. vol. 189; p. 847.
- Watt, Sern P., Seattle, Wash. Gas mixer and heater for explosive-engines. No. 1,056,760; Mar. 18; Gaz. vol. 188; p. 784.
- Watt, Sern P., assignor to Washington Iron Works Company, Seattle, Wash. Gearing. No. 1,072,538; Sept. 9; Gaz. vol. 194; p. 325.
- Wattebled, Fernand, Hersin-Coupigny, France. Feeding mechanism for kilns. No. 1,052,393; Feb. 4; Gaz. vol. 187; p. 187.
- Watters, Isaac H., Galesburg, Ill. Hinge. No. 1,052,701; Feb. 11; Gaz. vol. 187; p. 325.
- Watterson, William L., Baskerville, Va. Shaft-support. No. 1,080,031; Dec. 2; Gaz. vol. 197; p. 40.
- Wattie, William, Worcester, Mass., assignor to Crompton & Knowles Loom Works. Loop-cutting mechanism for pile-fabric looms. No. 1,054,952; Mar. 4; Gaz. vol. 188; p. 101.
- Watts, Augustus C., assignor of one-half to A. Winter and F. Oestreicher and one-half to W. B. Forsythe, Columbus, Ohio. Non-refillable bottle. No. 1,080,311; Dec. 2; Gaz. vol. 197; p. 137.
- Watts, Charles H., North Braddock, Pa. Hydraulic packing-shield. No. 1,073,550; Sept. 16; Gaz. vol. 194; p. 718.
- Watts, George W., Oneonta, N. Y. Vessel construction. No. 1,081,876; Dec. 16; Gaz. vol. 197; p. 736.
- Watts, Lewis H., assignor of one-half to E. T. McCarthy, Kansas City, Mo. Automatic magazine-sign. No. 1,082,378; Dec. 23; Gaz. vol. 197; p. 937.
- Watts, Oscar J., Kensington, Kans. Pencil or pen holder. No. 1,052,702; Feb. 11; Gaz. vol. 187; p. 325.
- Watts, Samuel D., MacLeod, Alberta, Canada. Stamp-carrier for fountain-pens and the like. No. 1,069,746; Aug. 12; Gaz. vol. 193; p. 256.
- Watts, Thomas H. (See Stiffler, Boyd, assignor.)
- Watts, Walter, Midland Junction, Western Australia, Australia. Switch-rail. No. 1,068,954; July 29; Gaz. vol. 192; p. 1189.
- Watts, Warren, Hayes township, Clay county, Kans. Feed-regulator. No. 1,073,193; Sept. 16; Gaz. vol. 194; p. 592.
- Watts, William H., Philadelphia, Pa. Brick. No. 1,056,136; Mar. 18; Gaz. vol. 188; p. 569.
- Watzelhan, Joseph, New York, N. Y. Setting mechanism for automobile-lamps. No. 1,068,191; July 22; Gaz. vol. 192; p. 883.
- Watzlawik, Fritz, Schöneberg, assignor to Berliner Jute-Spinnerei & Weberei, Straulau, near Berlin, Germany. Machine for automatically removing the full pirns in spinning and twisting frames. No. 1,079,154; Nov. 18; Gaz. vol. 196; p. 724.
- Waugh, Daniel S., assignor, by mesne assignments, to The Denver Rock Drill Manufacturing Company, Denver, Colo. Rock-drilling machine. No. 1,067,388; July 15; Gaz. vol. 192; p. 578.
- Waugh, Daniel S., Denver, Colo., assignor, by mesne assignments, to The Denver Rock Drill Manufacturing Company. Drill-rotating mechanism. No. 1,081,351; Dec. 16; Gaz. vol. 197; p. 561.
- Waugh, David H., Buffalo, N. Y. Account-register. No. 1,054,727; Mar. 4; Gaz. vol. 188; p. 25.
- Wagh Draft Gear Company. (See Forsyth, George H., assignor.)
- Waugh, James M., Chicago, Ill. Platform-buffer. No. 1,056,863; Mar. 25; Gaz. vol. 188; p. 847.
- Waugh, James M., Chicago, Ill. Draft-rigging. No. 1,075,741; Oct. 14; Gaz. vol. 195; p. 424.

Alphabetical list of patentees—Continued.

- Waverley Company, The. (See Kennedy, Harold H., assignor.)
- Waverley Company, The. (See Maxim, Hiram P., assignor.)
- Waverley Manufacturing Company. (See Kitlitschko, Frank, assignor.)
- Way, Arthur G., London, England. Electric-arc lamp. No. 1,062,809; May 27; Gaz. vol. 190; p. 877.
- Way, James R. (See Fergusson and Way.)
- Waycott, Albert K., New York, N. Y. Rod-packing. No. 1,072,679; Sept. 9; Gaz. vol. 194; p. 374.
- Wayditch, Aloys, assignor to Stereo-Kinema Film Co., New York, N. Y. Attachment for taking-cameras for making stereoscopic moving-picture films. No. 1,071,837; Sept. 2; Gaz. vol. 194; p. 58.
- Wayland, Frank, Salem, Mass. Leather-working machine. No. 1,077,207; Oct. 28; Gaz. vol. 195; p. 1010.
- Waymire, Austin, Dayton, Ohio. Mop-holder. No. 1,076,800; Oct. 28; Gaz. vol. 195; p. 873.
- Wayne Manufacturing Company. (See Marth, Charles J., assignor.)
- Wayne Process Company. (See Donnelly, John R., assignor.)
- Wayte, Walter J., San Francisco, Cal. Driving mechanism for centrifugal machines. No. 1,061,343; May 13; Gaz. vol. 190; p. 302.
- Weakley, Raymond D., assignor of fifty-one one-hundredths to E. W. Grove, St. Louis, Mo. Key-device-transfer means for concrete structures. No. 1,053,256; Feb. 18; Gaz. vol. 187; p. 559.
- Weakley, Raymond D., assignor of fifty-one one-hundredths to E. W. Grove, St. Louis, Mo. Disposing key devices in concrete structures. No. 1,053,257; Feb. 18; Gaz. vol. 187; p. 559.
- Weakley, Raymond D., assignor to Plastic Products Company, St. Louis, Mo. Key-base for side walls and ceilings. No. 1,076,725; Oct. 28; Gaz. vol. 195; p. 847.
- Wear, Francis A., Sallisaw, Okla. Horse-releaser. No. 1,050,882; Jan. 21; Gaz. vol. 186; p. 602.
- Wearne, Richard L., assignor to Binghamton Washing Machine Co., Binghamton, N. Y. Reversible power-transmission mechanism for wringers. No. 1,071,119; Aug. 26; Gaz. vol. 193; p. 797.
- Weaser, William H., Pittsfield, Mass. Gaiter. No. 1,061,510; May 13; Gaz. vol. 190; p. 360.
- Weatherby, Joseph, assignor, by mesne assignments, to Electric Ore Separator Company, New Cumberland, Pa. Magnetic separator. No. 1,071,838; Sept. 2; Gaz. vol. 194; p. 58.
- Weatherby, Joseph, assignor to The Electric Ore Separator Company, New Cumberland, Pa. Ore-concentrator. No. 1,071,839; Sept. 2; Gaz. vol. 194; p. 59.
- Weatherby, Joseph, assignor, by mesne assignments, to Electric Ore Separator Company, New Cumberland, Pa. Ore-concentrator. No. 1,071,975; Sept. 2; Gaz. vol. 194; p. 104.
- Weatherford, Frank W., assignor of one-half to R. L. Weatherford, Temple, Tex. Door-check. No. 1,065,411; June 24; Gaz. vol. 191; p. 867.
- Weatherford, Robert L. (See Weatherford, Frank W., assignor.)
- Weathersby, Fred R., Houston, Tex. Drill. No. 1,077,772; Nov. 4; Gaz. vol. 196; p. 183.
- Weatherspoon, Benjamin W., Snyder, Okla. Gate. No. 1,051,654; Jan. 28; Gaz. vol. 186; p. 898.
- Weaver, Allen R., Batesville, Ark. Vehicle-wheel. No. 1,053,332; Feb. 18; Gaz. vol. 187; p. 586.
- Weaver, Allen R., Batesville, Ark. Vehicle-wheel. No. 1,081,416; Dec. 16; Gaz. vol. 197; p. 582.
- Weaver, Allison U. and S. E., Santa Anna, Tex. Electric alarm system. No. 1,052,538; Feb. 11; Gaz. vol. 187; p. 269.
- Weaver, Bent L. (See Reinoehl and Weaver.)
- Weaver, Cartter, Pittsburgh, Pa. Elastic armband. No. 1,070,642; Aug. 19; Gaz. vol. 193; p. 605.
- Weaver, Cartter, Pittsburgh, Pa. Infant yard or pen. No. 1,071,283; Aug. 26; Gaz. vol. 193; p. 851.
- Weaver, Clarence C. (See Marden and Weaver.)
- Weaver, Clayton B. (See Irenius and Weaver.)
- Weaver, Ira A., assignor to Racine-Sattley Company, Springfield, Ill. Two-row cultivator. No. 1,054,884; Mar. 4; Gaz. vol. 188; p. 80.
- Weaver, James A., Miles City, Mont. Fire-escape. No. 1,075,176; Oct. 7; Gaz. vol. 195; p. 202.
- Weaver, Jasper D. (See Weaver and Hensley.)
- Weaver, Jesse, Oakland, Nebr. Tire-chain. No. 1,080,394; Dec. 2; Gaz. vol. 197; p. 169.
- Weaver, John A., Greeley, Colo. Beet-topper. No. 1,075,884; Oct. 14; Gaz. vol. 195; p. 472.
- Weaver, John R., assignor of one-half to T. J. Fikes, Gatesville, Tex. Cotton-chopper. No. 1,051,792; Jan. 28; Gaz. vol. 186; p. 942.
- Weaver, Joseph H. (See Weaver, Lowell T. and J. H.)
- Weaver, Lowell T., Cincinnati, and J. H. Weaver, Williamsburg, Ohio. Dental flask. No. 1,083,163; Dec. 30; Gaz. vol. 197; p. 1235.
- Weaver, Marvin S., Johnson City, Tenn. Machine for sharpening cutting instruments. No. 1,076,801; Oct. 28; Gaz. vol. 195; p. 873.
- Weaver, Morries, Jonestown, assignor to J. T. Buckwalter, Lancaster, Pa. Grain-separating machine. No. 1,073,451; Sept. 16; Gaz. vol. 194; p. 685.
- Weaver, Otmer L., and J. D. and J. M. Hensley, Hartford, W. Va. Combined tape and plumb line. No. 1,069,593; Aug. 5; Gaz. vol. 193; p. 173.
- Weaver, Robert H., Jersey City, N. J. Awning-fixture. No. 1,054,476; Feb. 25; Gaz. vol. 187; p. 1013.
- Weaver, Spencer E. (See Weaver, Allison U. and S. E.)
- Weaver, Thomas W., assignor of one-half to B. S. Rankin, Tunnelton, W. Va. Dumping-car. No. 1,051,378; Jan. 21; Gaz. vol. 186; p. 771.
- Weaver, William, Salt Lake City, Utah. Hay-buncher for attachment to horse-rakes. No. 1,055,580; Mar. 11; Gaz. vol. 188; p. 346.
- Weaver, Willis, near Sealy, Tex. Seed-tester. No. 1,074,826; Oct. 7; Gaz. vol. 195; p. 81.
- Webb, Albert C., assignor to The Webb Motor Fire Apparatus Company, St. Louis, Mo. Piston-pump for automobile fire apparatus. No. 1,061,511; May 13; Gaz. vol. 190; p. 360.
- Webb, Barrach, Greenview, Ill. Soil-pulverizer. No. 1,056,864; Mar. 25; Gaz. vol. 188; p. 848.
- Webb, Charles. (See Chambers, McCoy, Anderson, and Webb.)
- Webb, Christopher F. (See Coldman and Webb.)
- Webb, Edgar B., Binghamton, N. Y. Nut-lock. No. 1,067,389; July 15; Gaz. vol. 192; p. 578.
- Webb, Emma P. (See Alphin, Christopher, assignor.)
- Webb, Ernest, Hotchkiss, Colo. Permutation-lock. No. 1,050,883; Jan. 21; Gaz. vol. 186; p. 602.
- Webb, George R. (See Crapo, Henry T., assignor.)
- Webb, George R. (See Stunz, William P., assignor.)
- Webb, Harry J., Detroit, Mich. Buffing-machine. No. 1,052,110; Feb. 4; Gaz. vol. 187; p. 93.
- Webb, Hartwell W., Cresskill, and T. Veitch, Dumont, N. J. Starting device for internal-combustion engines. No. 1,058,209; Apr. 8; Gaz. vol. 189; p. 324.
- Webb, James F., Frankville, Nova Scotia, Canada. Seal. No. 1,059,689; Apr. 22; Gaz. vol. 189; p. 906.
- Webb, James R., New York, N. Y. Shoe construction. No. 1,060,300; Apr. 29; Gaz. vol. 189; p. 1154.
- Webb, Jean F., New York, N. Y. Air-anchor for parachutes. No. 1,055,245; Mar. 4; Gaz. vol. 188; p. 197.
- Webb, Jean F., Jr., assignor to Electric Signagraph & Semaphore Co., Incorporated, New York, N. Y. Train signaling and controlling system. No. 1,052,632; Feb. 11; Gaz. vol. 187; p. 301.
- Webb, John L., assignor of one-half to S. H. Stiefel, Los Angeles, Cal. Bicycle prop and lock. No. 1,055,581; Mar. 11; Gaz. vol. 188; p. 347.
- Webb, Kate, West Conshohocken, Pa. Oven. No. 1,081,475; Dec. 16; Gaz. vol. 197; p. 602.
- Webb Manufacturing Company. (See Fuller, Eugene, assignor.)
- Webb Motor Fire Apparatus Company, The. (See Webb, Albert C., assignor.)
- Webb, Rives D., Charleston, S. C. Pay-as-you-enter car. No. 1,056,613; Mar. 18; Gaz. vol. 188; p. 732.
- Webb, Robert D. (See Webb, Samuel J.)
- Webb, Samuel F., Wichita, Kans. Stock-feeder. No. 1,061,710; May 13; Gaz. vol. 190; p. 431.
- Webb, Samuel J.; R. D. Webb, Minden, La., by inheritance and by mesne assignments, owner of entire title. Gas-engine. No. 1,062,999; May 27; Gaz. vol. 190; p. 940.
- Webb Talking Pictures Company, The. (See Crapo, Henry T., assignor.)
- Webb, William, Ypsilanti, Mich. Acetylene-gas generator. No. 1,067,565; July 15; Gaz. vol. 192; p. 637.
- Webb, William E., Jr., Larchmont, N. Y. Neckwear. No. 1,079,382; Nov. 25; Gaz. vol. 196; p. 831.
- Webb, Wilmer M., Philadelphia, Pa. Record-indicating file. No. 1,061,790; May 13; Gaz. vol. 190; p. 455.
- Webber, Clinton R., and G. W. Blood, Spokane, Wash. Hoop for tanks. No. 1,071,120; Aug. 26; Gaz. vol. 193; p. 798.
- Webel, Franz, Mannheim, assignor to Badische Anilin & Soda Fabrik, Ludwigshafen-on-the-Rhine, Germany. Producing isoprene. No. 1,083,164; Dec. 30; Gaz. vol. 197; p. 1235.
- Webel, Franz, assignor to Badische Anilin & Soda Fabrik, Ludwigshafen-on-the-Rhine, Germany. Producing isoprene. No. 1,083,165; Dec. 30; Gaz. vol. 197; p. 1235.
- Webendorfer, John F., Dover, N. H. Finishing-machine. No. 1,057,190; Mar. 25; Gaz. vol. 188; p. 961.
- Weber, Albert, Union, N. Y. Folding umbrella. No. 1,068,376; July 22; Gaz. vol. 192; p. 948.
- Weber, Albert, Cleveland, Ohio. Sifter. No. 1,081,919; Dec. 16; Gaz. vol. 197; p. 749.
- Weber, August, Sr., and J., assignors to Weber Electric Company, Schenectady, N. Y. Case for incandescent-electric-lamp sockets. No. 1,066,963; July 8; Gaz. vol. 192; p. 398.
- Weber, August, Sr., and J., assignors to Weber Electric Company, Schenectady, N. Y. Case for incandescent-electric-lamp sockets. No. 1,066,964; July 8; Gaz. vol. 192; p. 398.
- Weber, August, Sr., and J., assignors to Weber Electric Company, Schenectady, N. Y. Case for incandescent-electric-lamp sockets. No. 1,068,192; July 22; Gaz. vol. 192; p. 884.

Alphabetical list of patentees—Continued.

- Weber, Carl, Berlin - Wilmersdorf, Germany. Driving and braking device or releasing device for photographic shutters. No. 1,076,253; Oct. 21; Gaz. vol. 195; p. 625.
- Weber, Carl, Chicago, Ill., assignor to Alphons Custodis Chimney Construction Company, New York, N. Y. Rope-securing device. No. 1,055,246; Mar. 4; Gaz. vol. 188; p. 197.
- Weber, Christopher J. M., St. Paul, Minn. Mail-bag-delivering apparatus. No. 1,077,323; Nov. 4; Gaz. vol. 196; p. 29.
- Weber Electric Company. (See Weber, August, Sr., and J., assignors.)
- Weber, Frank J., Fond du lac, Wis. Illuminable advertising device. No. 1,075,177; Oct. 7; Gaz. vol. 195; p. 203.
- Weber, Fridolin, Wagenhausen, Switzerland. Hinge. No. 1,075,451; Oct. 14; Gaz. vol. 195; p. 325.
- Weber, George A., Stamford, Conn., assignor to The Rail Joint Company, New York, N. Y. Insulated rail-joint. No. 1,050,262; Jan. 14; Gaz. vol. 186; p. 353.
- Weber, George J., Kansas City, Mo. Making gas. No. 1,076,849; Oct. 28; Gaz. vol. 195; p. 890.
- Weber, Henry, assignor to Latham Machinery Company, Chicago, Ill. Cutting mechanism for wire-stitching machines. No. 1,071,121; Aug. 26; Gaz. vol. 193; p. 798.
- Weber, Henry, assignor to Latham Machinery Company, Chicago, Ill. Wire-stitcher. No. 1,074,564; Sept. 30; Gaz. vol. 194; p. 1108.
- Weber, Henry, assignor to Latham Machinery Company, Chicago, Ill. Feeding mechanism for wire-stitching machines. No. 1,078,024; Nov. 11; Gaz. vol. 196; p. 300.
- Weber, Henry C., Milwaukee, Wis. Suspenders. No. 1,077,571; Nov. 4; Gaz. vol. 196; p. 115.
- Weber, John. (See Weber, August, Sr., and J.)
- Weber, John A., Toledo, Ohio. Reversible friction-gearing. No. 1,063,231; June 3; Gaz. vol. 191; p. 22.
- Weber, Peter, Orange, assignor, by mesne assignments, to Thomas A. Edison, Incorporated, West Orange, N. J. Diaphragm for talking-machines. No. 1,056,475; Mar. 18; Gaz. vol. 188; p. 684.
- Weber, Peter, Orange, assignor, by mesne assignments, to Thomas A. Edison, Incorporated, West Orange, N. J. Phonograph. No. 1,058,284; Apr. 8; Gaz. vol. 189; p. 349.
- Weber, Peter, Orange, N. J., assignor to Bates Manufacturing Company, New York, N. Y. Numbering-machine. No. 1,063,232; June 3; Gaz. vol. 191; p. 22.
- Weber, Peter, Orange, assignor to New Jersey Patent Company, West Orange, N. J. Phonograph. No. 1,081,352; Dec. 16; Gaz. vol. 197; p. 561.
- Weber, Peter J., Chicago, Ill. Post-cap. No. 1,059,417; Apr. 22; Gaz. vol. 189; p. 815.
- Weber, Walter. (See Henkel and Weber.)
- Webre, Alfred L., assignor to J. H. Murphy, New Orleans, La. Multiple effect. No. 1,049,424; Jan. 7; Gaz. vol. 186; p. 36.
- Webre, Alfred L., assignor to J. H. Murphy, New Orleans, La. Evaporating apparatus. No. 1,049,425; Jan. 7; Gaz. vol. 186; p. 37.
- Webre, Alfred L., assignor to J. H. Murphy, New Orleans, La. Evaporating apparatus. No. 1,049,426; Jan. 7; Gaz. vol. 186; p. 37.
- Webster, Charles B., assignor of one-half to J. K. Lanning, Fall River, Mass. Mechanism for forming thread-guiding slots in weaving-shuttles. No. 1,072,196; Sept. 2; Gaz. vol. 194; p. 180.
- Webster, Charles E., Winthrop, Minn. Silo. No. 1,059,794; Apr. 22; Gaz. vol. 189; p. 940.
- Webster, Charles L., Providence, R. I. Cuff-button. No. 1,079,620; Nov. 25; Gaz. vol. 196; p. 914.
- Webster, Edwin A., Groveland, assignor to Haverhill Shoe Machinery Company, Haverhill, Mass. Chain-stitch shoe-sewing machine. No. 1,059,919; Apr. 22; Gaz. vol. 189; p. 979.
- Webster, Edwin A., and C. R. Towle, Haverhill, Mass., assignors to United Shoe Machinery Company, Paterson, N. J. Cementing attachment for heel-nailing machines. No. 1,064,114; June 1; Gaz. vol. 191; p. 357.
- Webster, Fred W., Spooner, Wis. Whiffletree. No. 1,081,353; Dec. 16; Gaz. vol. 197; p. 562.
- Webster, Fredrick H., Kansas City, Kans. Concrete pavement and making same. No. 1,064,408; June 10; Gaz. vol. 191; p. 459.
- Webster, George, Christiana, assignor to Leader Supply Company, Lancaster, Pa. Suction-producing apparatus. No. 1,056,865; Mar. 25; Gaz. vol. 188; p. 848.
- Webster, George M., Port Dodge, Iowa. Sprocket-gearing. No. 1,056,240; Mar. 18; Gaz. vol. 188; p. 605.
- Webster, Glenn C. (See Love and Webster.)
- Webster, Harry A., Lancaster, Pa. Drafting instrument. No. 1,072,539; Sept. 9; Gaz. vol. 194; p. 325.
- Webster, Harry G., Chicago, Ill., assignor, by mesne assignments, to Kellogg Switchboard & Supply Company. Circuit-changing mechanism. No. 1,056,866; Mar. 25; Gaz. vol. 188; p. 848.
- Webster, Harry G., Chicago, Ill., assignor, by mesne assignments, to Kellogg Switchboard & Supply Company. Signaling system. No. 1,078,229; Nov. 11; Gaz. vol. 196; p. 370.
- Webster, John A. (See Kelly and Webster.)
- Webster, John A., Rutherford, N. J., assignor to Autosales Gum and Chocolate Company, New York, N. Y. Vending-machine. No. 1,080,873; Dec. 9; Gaz. vol. 197; p. 364.
- Webster, John E., Falls Church, Va. Bed. No. 1,081,877; Dec. 16; Gaz. vol. 197; p. 736.
- Webster, John E., Pittsburgh, Pa., assignor to Westinghouse Electric and Manufacturing Company. Locomotive driving connection. No. 1,070,564; Aug. 19; Gaz. vol. 193; p. 580.
- Webster, John E., Pittsburgh, Pa., assignor to Westinghouse Electric and Manufacturing Company. Locomotive-bearing. No. 1,080,032; Dec. 2; Gaz. vol. 197; p. 40.
- Webster, John H., Carrickfergus, Ireland. Manufacture of salt. No. 1,052,703; Feb. 11; Gaz. vol. 187; p. 325.
- Webster, Joseph D., Astoria, N. Y. Hat-pin guard. No. 1,055,582; Mar. 11; Gaz. vol. 188; p. 347.
- Webster, Melvin L., Independence, Iowa. Display-case. No. 1,071,597; Aug. 26; Gaz. vol. 193; p. 955.
- Webster Mfg Company, The. (See Welch, Frank M., assignor.)
- Webster, Nathan, Melrose, Mass. Couch-bed. No. 1,080,740; Dec. 9; Gaz. vol. 197; p. 317.
- Webster, Samuel T. (See Weichsel and Webster.)
- Weckesser, William, *et al.* (See Difo, Harry, assignor.)
- Weddemann, Fred J. (See Johnson, Frank A., assignor.)
- Wedderburn, Augustus, Vienna, Va., assignor to Deming Apparatus Company, New York, N. Y. Apparatus for defecation. No. 1,052,195; Feb. 4; Gaz. vol. 187; p. 122.
- Wedderburn, Gertrude F., Chevy Chase, Md. Card-support for dummy hands. No. 1,076,850; Oct. 28; Gaz. vol. 195; p. 891.
- Weddington, William H., Lankershim, Cal. Tread for auto-tires. No. 1,051,038; Jan. 21; Gaz. vol. 186; p. 658.
- Wedemeyer, Wilhelm H. A. R., Hamburg, Germany. Dust-chute. No. 1,079,529; Nov. 25; Gaz. vol. 196; p. 881.
- Wedge, Utley, Ardmore, Pa. Apparatus for charging furnaces or ovens. No. 1,079,081; Nov. 18; Gaz. vol. 196; p. 699.
- Wedge, Utley, Ardmore, assignor to The Furnace Patent Company, Philadelphia, Pa. Metallurgical furnace. No. 1,060,389; Apr. 29; Gaz. vol. 189; p. 1186.
- Wedge, Utley, Ardmore, assignor to The Furnace Patent Company, Philadelphia, Pa. Recovering copper from its ores. No. 1,063,629; June 3; Gaz. vol. 191; p. 159.
- Wedge, Utley, Ardmore, assignor to The Furnace Patent Company, Philadelphia, Pa. Rabble-arm for roasting-furnaces. No. 1,068,955; July 29; Gaz. vol. 192; p. 1189.
- Wedmark, Paul H., Lindstrom, Minn. Photographic-print drier. No. 1,049,427; Jan. 7; Gaz. vol. 186; p. 37.
- Wedmore, Daniel A., Philadelphia, Pa. Bottle-basket. No. 1,070,212; Aug. 12; Gaz. vol. 193; p. 416.
- Wedmore, Edmund B., and W. P. Hamlyn, Rugby, England, assignors to General Electric Company. Reverse-current relay. No. 1,060,724; May 6; Gaz. vol. 190; p. 56.
- Weeber, Christian F., Albany, N. Y. Rail. No. 1,077,236; Oct. 28; Gaz. vol. 195; p. 1019.
- Weed, Arthur E., Berkeley, Cal. Thermostatic switch. No. 1,052,987; Feb. 11; Gaz. vol. 187; p. 422.
- Weed Chain Tire Grip Company. (See Strong, Frederick A., assignor.)
- Weed, Harry D., Syracuse, N. Y. Antiskidding grip-tread. No. 1,051,472; Jan. 28; Gaz. vol. 186; p. 836.
- Weed, Harry D., Syracuse, N. Y. Tread-section for antiskidding devices. No. 1,079,907; Nov. 25; Gaz. vol. 196; p. 1014.
- Weed, Louis I., Clipper Mills, Cal. Can and faucet for same. No. 1,070,864; Aug. 19; Gaz. vol. 193; p. 678.
- Weed, William G., Stamford, Conn. Thermometer-holder for incubators. No. 1,080,131; Dec. 2; Gaz. vol. 197; p. 74.
- Weeden, Arthur W., Somerville, Mass. Shift mechanism for type-writers. No. 1,071,976; Sept. 2; Gaz. vol. 194; p. 104.
- Weedon, William S., assignor to E. I. du Pont de Nemours Powder Company, Wilmington, Del. Dissolved carbohydrate esters and making the same. No. 1,082,573; Dec. 30; Gaz. vol. 197; p. 1036.
- Weekes, William, and D. E. Absolom, Footscray, Victoria, Australia. Transmission mechanism. No. 1,067,697; July 15; Gaz. vol. 192; p. 684.
- Weeks, Charles A., and R. M. Hunter, assignors to T. R. Patton and F. C. Mencke, Philadelphia, Pa. Treating gases. No. 1,083,233; Dec. 30; Gaz. vol. 197; p. 1257.
- Weeks, Charles M. (See Jones and Weeks.)
- Weeks, Frank A., Plainfield, N. J. Memorandum-pad calendar. No. 1,049,428; Jan. 7; Gaz. vol. 186; p. 37.
- Weeks, Frank A., Plainfield, N. J. Inkstand. No. 1,050,884; Jan. 21; Gaz. vol. 186; p. 603.
- Weeks, Frank A., Plainfield, N. J. Inkstand. No. 1,063,630; June 3; Gaz. vol. 191; p. 159.
- Weeks, Joseph B. (See Fairfield, Alexander, assignor.)
- Weeks, William H., New York, N. Y. Electric sign. No. 1,060,519; Apr. 29; Gaz. vol. 189; p. 1230.

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- Weeman, Frederick L., Portland, Me. Oil-burner. No. 1,078,475; Nov. 11; Gaz. vol. 196; p. 457.
- Weenen, Johannes J. H. W., assignor of one-third to K. W. G. J. Stoffels and one-third to J. B. Van Der Sprenkel, Amsterdam, Netherlands. Contact device. No. 1,072,540; Sept. 9; Gaz. vol. 194; p. 325.
- Wefel, William C. H., assignor of forty-nine one-hundredths to S. R. Whitaker, H. D. Bartlett, and A. S. Whitaker, Denver, Colo. Lantern. No. 1,068,718; July 29; Gaz. vol. 192; p. 1105.
- Wege, Peter M., Grand Rapids, Mich. Sheet-metal safe or cabinet. No. 1,054,325; Feb. 25; Gaz. vol. 187; p. 959.
- Weger, Bernard J. (See Herman and Weger.)
- Wegmann, John, *et al.* (See Atkins, Herbert C., assignor.)
- Wegner, Fred, Fairport, N. Y. Conveying and feeding mechanism. No. 1,069,362; Aug. 5; Gaz. vol. 193; p. 96.
- Wegner, Casper, Central City, S. D. Implement for destroying revenue-stamps on beer-casks. No. 1,080,312; Dec. 2; Gaz. vol. 197; p. 137.
- Wegner, Lewis, Madison, Wis. Equalizing system for steam-shovels and the like. No. 1,075,178; Oct. 7; Gaz. vol. 195; p. 203.
- Weichsel, Hans, and S. T. Webster, assignors to Wagner Electric Manufacturing Company, St. Louis, Mo. Dynamo-electric machine. No. 1,075,452; Oct. 14; Gaz. vol. 195; p. 326.
- Weidemeyer, John P., Coal Grove, Ohio. Attachment for sawing-machines. No. 1,064,946; June 17; Gaz. vol. 191; p. 673.
- Weidenbach, Herman A., Buffalo, N. Y. Multiple centrifugal governor. No. 1,072,888; Sept. 9; Gaz. vol. 194; p. 449.
- Weidenheim, Theodor F. K. von. (See Kunert and Weidenheim.)
- Weidhaas, Gustave A. (See Daly and Weidhaas.)
- Weidler, William L., Camden, N. J. License-tag holder. No. 1,063,090; May 27; Gaz. vol. 190; p. 970.
- Weidman, U. Grant, Indianapolis, Ind. Spring-wheel. No. 1,060,147; Apr. 29; Gaz. vol. 189; p. 1100.
- Weidmann Silk Dyeing Co. (See Meili, Ernest, assignor.)
- Weidrich, Orrin, Hamilton, Ontario, Canada. Sliding-door hanger and track. No. 1,054,376; Feb. 25; Gaz. vol. 187; p. 978.
- Weidrich, Orrin, Hamilton, Ontario, Canada. Sliding-door hanger and track. No. 1,054,377; Feb. 25; Gaz. vol. 187; p. 978.
- Weigand, Ludwig, Metternich, near Koblenz, Germany. Device for setting tops, gigs, and the like in motion. No. 1,056,309; Mar. 18; Gaz. vol. 188; p. 627.
- Weigel, Albert P., assignor to Kokomo Nail and Drill Company, Kokomo, Ind. Feed mechanism for drill-presses. No. 1,071,539; Aug. 26; Gaz. vol. 193; p. 936.
- Weigel, Arnold A. (See Woods and Weigel.)
- Weikel, Roy B., Milton, Pa. Curve-scriber. No. 1,053,686; Feb. 18; Gaz. vol. 187; p. 707.
- Weikersheimer, Gebr. (See Rubland, Josef, assignor.)
- Weikert, Elizabeth, Winston, Mont. Weeding-tool. No. 1,056,614; Mar. 18; Gaz. vol. 188; p. 732.
- Weil, Maximilian, New York, N. Y. Telephone-muffler. No. 1,058,120; Apr. 8; Gaz. vol. 189; p. 293.
- Weil, Nathan, Chaux-de-Fonds, Switzerland. Advertising-clock. No. 1,064,577; June 10; Gaz. vol. 191; p. 516.
- Weil, Otto. (See Goldschmidt and Weil.)
- Weil, Sidney S., San Francisco, Cal. Pressure expansion safety venting device. No. 1,068,193; July 22; Gaz. vol. 192; p. 884.
- Weil, William A., Glencoe, Ohio. Force-feed lubricator. No. 1,083,166; Dec. 30; Gaz. vol. 197; p. 1235.
- Weiler, Max, assignor to Farbenfabriken vorm. Friedr. Bayer & Co., Elberfeld, Germany. Manufacture and production of oxycarboxydiarylcarbinols. No. 1,082,574; Dec. 30; Gaz. vol. 197; p. 1036.
- Weiler, Nicholas, assignor of one-half to B. L. Shrader, Fort Collins, Colo. Disk gang-plow. No. 1,054,885; Mar. 4; Gaz. vol. 188; p. 80.
- Weiler, Nicholas, assignor of one-half to B. L. Shrader, Fort Collins, Colo. Wheeled gang-plow. No. 1,055,583; Mar. 11; Gaz. vol. 188; p. 347.
- Weimar, Otto L., Philadelphia, Pa. Safety-envelop. No. 1,077,773; Nov. 4; Gaz. vol. 196; p. 183.
- Weimer, David P. (See Hurl, Charles W., assignor.)
- Weimer, Henry, Winona, Minn. Bed-support for hospitals or sick-rooms. No. 1,073,194; Sept. 16; Gaz. vol. 194; p. 593.
- Weinberg, Joe, Greenville, Miss. Combined collar-fastener and necktie-holder. No. 1,083,167; Dec. 30; Gaz. vol. 197; p. 1236.
- Weinberg, Louis, and M. Maren, Chicago, Ill. Detachable billiard-cue tip and holder. No. 1,082,782; Dec. 30; Gaz. vol. 197; p. 1111.
- Weinman, Christian J., Dayton, Ohio. Clutch. No. 1,052,866; Feb. 11; Gaz. vol. 187; p. 381.
- Weintraub, Ezechiel, Lynn, Mass., assignor to General Electric Company. Incandescent lamp. No. 1,049,786; Jan. 7; Gaz. vol. 186; p. 160.
- Weintraub, Ezechiel, Lynn, Mass., assignor to General Electric Company. Refractory container. No. 1,063,483; June 3; Gaz. vol. 191; p. 105.
- Weintraub, Ezechiel, Lynn, Mass., assignor to General Electric Company. Vapor electric device. No. 1,064,115; June 10; Gaz. vol. 191; p. 358.
- Weintraub, Ezechiel, Lynn, Mass., assignor to General Electric Company. Vapor electric device. No. 1,064,116; June 10; Gaz. vol. 191; p. 358.
- Weintraub, Ezechiel, Lynn, Mass., assignor to General Electric Company. Electric furnace and operating the same. No. 1,068,615; July 29; Gaz. vol. 192; p. 1069.
- Weintraub, Ezechiel, Lynn, Mass., assignor to General Electric Company. Electrolytic meter. No. 1,069,211; Aug. 5; Gaz. vol. 193; p. 43.
- Weintraub, Ezechiel, Lynn, Mass., assignor to General Electric Company. Metalloidal material. No. 1,074,672; Oct. 7; Gaz. vol. 195; p. 30.
- Weintraub, Ezechiel, Lynn, Mass., assignor to General Electric Company. Vapor electric device. No. 1,075,615; Oct. 14; Gaz. vol. 195; p. 382.
- Weintraub, Ezechiel, Lynn, Mass., assignor to General Electric Company. Thermo-electric couple. No. 1,079,621; Nov. 25; Gaz. vol. 196; p. 914.
- Weintraub, Ezechiel, Schenectady, N. Y., assignor to General Electric Company. Electrical illumination. No. 1,074,303; Sept. 30; Gaz. vol. 194; p. 1024.
- Weintraub, George, and H. Rush, Lynn, Mass., assignors to General Electric Company. Process and apparatus for sintering refractory materials. No. 1,071,488; Aug. 26; Gaz. vol. 193; p. 919.
- Weintz, Jacob, Cleveland, Ohio. Burner. No. 1,075,742; Oct. 14; Gaz. vol. 195; p. 424.
- Weintz, Jacob, assignor to The Strong, Carlisle & Hammond Company, Cleveland, Ohio. Furnace. No. 1,055,247; Mar. 4; Gaz. vol. 188; p. 198.
- Weinzler, Joseph T. (See Sturtevant and Weinzler.)
- Weinzler, Joseph T., and J. Sturtevant, New Kensington, Pa. Spring-wheel. No. 1,058,395; Apr. 8; Gaz. vol. 189; p. 389.
- Weiper, Henry B., Eau Claire, Wis. Sepulcher-cover. No. 1,073,377; Sept. 16; Gaz. vol. 194; p. 659.
- Weir, Frank, Silver Lake, Kans. Sweet-potato setter. No. 1,058,396; Apr. 8; Gaz. vol. 189; p. 389.
- Weir Frog Company, The. (See Goldsmith, Nathaniel O., assignor.)
- Weir Frog Company, The. (See Goldsmith and Metzger, assignors.)
- Weir, Harry B., and J. L. Fyke, Milwaukee, Wis. Damper-regulating apparatus. No. 1,082,920; Dec. 30; Gaz. vol. 197; p. 1153.
- Weir, Max W., Newark, N. J. Means for transmitting power. No. 1,078,710; Nov. 18; Gaz. vol. 196; p. 569.
- Weir, William, Cathcart, Scotland. Feed-water-heating arrangement on steamships. No. 1,056,075; Mar. 18; Gaz. vol. 188; p. 548.
- Weir, William, Cathcart, Glasgow, Scotland. Pumping condensed-steam water to elevated feed-heaters. No. 1,065,194; June 17; Gaz. vol. 191; p. 753.
- Weir, William, Cathcart, Glasgow, Scotland. Evaporating and distilling plant. No. 1,079,966; Dec. 2; Gaz. vol. 197; p. 15.
- Weis, Albert H., Sparkill, assignor to L. N. Littauer, Gloversville, N. Y. Needle-loop take-up for sewing-machines. No. 1,061,645; May 13; Gaz. vol. 190; p. 408.
- Weis, Alwin W. D., Waterloo, Iowa. Cell-case machine. No. 1,059,325; Apr. 15; Gaz. vol. 189; p. 746.
- Weis, Charles, Huntingdon, Pa. Interchangeable heel for shoes. No. 1,061,028; May 6; Gaz. vol. 190; p. 163.
- Weis, Frank N. and W. C. Monroe, Mich., assignors to The Weis-Van Wormer Company. Paper-bottle-sealing machine. No. 1,069,915; Aug. 12; Gaz. vol. 193; p. 314.
- Weis, John P., Nyack, N. Y. Feeding mechanism for sewing-machines. No. 1,055,584; Mar. 11; Gaz. vol. 188; p. 348.
- Weis, John P., Nyack, N. Y. Ornamental-stitch machine. No. 1,058,820; Apr. 15; Gaz. vol. 189; p. 572.
- Weis, John P., Nyack, N. Y. Trimming mechanism for sewing-machines. No. 1,059,795; Apr. 22; Gaz. vol. 189; p. 940.
- Weis, John P., assignor to Metropolitan Sewing Machine Company, Nyack, N. Y. Convertible ruffling and collar-sewing machine. No. 1,069,363; Aug. 5; Gaz. vol. 193; p. 96.
- Weis, John P., Brooklyn, N. Y., assignor, by mesne assignments, to Metropolitan Sewing Machine Company. Sewing and trimming machine. No. 1,081,797; Dec. 16; Gaz. vol. 197; p. 708.
- Weis, Julius, St. Paul, Minn. Flush-tank. No. 1,070,213; Aug. 12; Gaz. vol. 193; p. 416.
- Weis-Van Wormer Company, The. (See Van Wormer, John R., assignor.)
- Weis-Van Wormer Company, The. (See Weis, Frank N. and W. C., assignors.)
- Weis, William C. (See Weis, Frank N. and W. C.)

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- Weiser, Abraham G. (See Russell and Weiser.)
- Weisglass, Samuel. (See Piersteien, Meier, assignor.)
- Weishaupt, Frederick W. H., Washington, D. C. Bed-spring fabric. No. 1,064,578; June 10; Gaz. vol. 191; p. 517.
- Weisman, William. (See Flügeltaub, Herman, assignor.)
- Weismantel, Joseph W., Newark, N. J., assignor to M. W. Schloss, New York, N. Y. Powder-box. No. 1,063,484; June 3; Gaz. vol. 191; p. 105.
- Weisner, Jacob J., *et al.* (See Vance, John G., assignor.)
- Weiss, Albert T., assignor to Yawman & Erbe Manufacturing Company, Rochester, N. Y. Covered receptacle. No. 1,065,412; June 24; Gaz. vol. 171; p. 867.
- Weiss, Alfred H., assignor to Kellogg Switchboard & Supply Company, Chicago, Ill. Frequency pole-changer. No. 1,058,009; Apr. 1; Gaz. vol. 189; p. 210.
- Weiss, Clark S., Belleville, N. J. Gasolene-separator. No. 1,063,754; June 3; Gaz. vol. 191; p. 202.
- Weiss, David, Cleveland, Ohio. Tooth-brush. No. 1,060,962; May 6; Gaz. vol. 190; p. 139.
- Weiss, David, Cleveland, Ohio. Tooth-brush. No. 1,074,761; Oct. 7; Gaz. vol. 195; p. 60.
- Weiss, Feri F., Winthrop, Mass. Hinge for brushes. No. 1,054,477; Feb. 25; Gaz. vol. 187; p. 1013.
- Weiss, Frederick B., Newark, N. J. Jewelry. No. 1,074,673; Oct. 7; Gaz. vol. 195; p. 30.
- Weiss, George, Chicago, Ill. Green-corn-husking machine. No. 1,055,957; Mar. 11; Gaz. vol. 188; p. 473.
- Weiss, George F., assignor of one-half to L. E. Wheeler, Springfield, Ill. Rotary engine. No. 1,062,866; May 27; Gaz. vol. 190; p. 896.
- Weiss, Joseph, Weehawken, N. J. Carriage-washing apparatus. No. 1,050,318; Jan. 14; Gaz. vol. 186; p. 373.
- Weiss, Joseph W., Baltimore, Md. Paper caddy. No. 1,058,929; Apr. 15; Gaz. vol. 189; p. 610.
- Weiss, Joseph W., Baltimore, Md. Collapsible or knock-down box. No. 1,063,845; June 3; Gaz. vol. 191; p. 232.
- Weiss, Ludwig, Berlin-Charlottenburg, Germany. Manufacturing alloys. No. 1,065,855; June 24; Gaz. vol. 191; p. 1016.
- Weiss, Morris Z. (See Greenwald, Blaustein, Weiss, and Selkovits.)
- Weiss, Samuel, Chicago, Ill. Toy or film-burster. No. 1,051,294; Jan. 21; Gaz. vol. 186; p. 743.
- Weiss, Samuel, Chicago, Ill. Toy or film-burster. No. 1,056,761; Mar. 18; Gaz. vol. 188; p. 785.
- Weissberg, Ernst. (See Bitter and Weissberg.)
- Weissenborn, Albert B., Appleton, Wis. Loom tensioning device. No. 1,053,333; Feb. 18; Gaz. vol. 187; p. 586.
- Weissenborn, Albert B., Appleton, Wis. Fourdrinier-wire seam. No. 1,065,991; July 1; Gaz. vol. 192; p. 31.
- Weissenborn, Oscar A., Jersey City, N. J. Means for identifying motor or other vehicles in case of accident. No. 1,071,540; Aug. 26; Gaz. vol. 193; p. 936.
- Weissenhanner, Alfred L., Bayonne, N. J. Receptacle-closure. No. 1,049,625; Jan. 7; Gaz. vol. 186; p. 107.
- Weist, Edward, Ludden, N. D. Detachable teeth for gear-wheels. No. 1,081,996; Dec. 23; Gaz. vol. 197; p. 804.
- Weist, Martin S., assignor of one-half to H. Hall, Sedalia, Mo. Vehicle-wheel. No. 1,061,344; May 13; Gaz. vol. 190; p. 303.
- Welbanks, Wallace P., Duluth, Minn. Drafting-board. No. 1,055,374; Mar. 11; Gaz. vol. 188; p. 279.
- Welch, Allie R. and F. S., Pontiac, Mich. Finishing castings. No. 1,058,210; Apr. 8; Gaz. vol. 189; p. 324.
- Welch, Andrew H., assignor of one-third to A. R. Friedmann and one-third to L. C. Lambert, Anderson, Ind. Gas-generating apparatus. No. 1,051,177; Jan. 21; Gaz. vol. 186; p. 704.
- Welch Automatic Trimmer Co. (See Welch, Thomas C., assignor.)
- Welch, C. C. (See Guthrie, Nehemiah, assignor.)
- Welch, Charles K., Coventry, England. Wheel of road-vehicles. No. 1,076,178; Oct. 21; Gaz. vol. 195; p. 601.
- Welch, Frank M., assignor to The Webster M'fg Company, Tiffin, Ohio. Revolving screen. No. 1,066,558; July 8; Gaz. vol. 192; p. 257.
- Welch, Fred S. (See Welch, Allie R. and F. S.)
- Welch, George R., Detroit, Mich. Terminal for electric wires. No. 1,050,885; Jan. 21; Gaz. vol. 186; p. 603.
- Welch, George S. (See Lawson, Alfred L., assignor.)
- Welch, Harry R., and C. H. Case, Logansport, Ind. Mechanism for automatically controlling the speed of and stopping engines. No. 1,060,803; May 6; Gaz. vol. 190; p. 81.
- Welch, James M., Shepherdstown, Ohio. Adjustable measuring-scoop. No. 1,050,502; Jan. 14; Gaz. vol. 186; p. 439.
- Welch, John F., Bloomington, Ill. Mop. No. 1,077,498; Nov. 4; Gaz. vol. 196; p. 92.
- Welch, John W., assignor of one-fourth to E. L. Chott and one-fourth to H. J. Chott, Chicago, Ill. Dental-engine stone and mandrel. No. 1,077,572; Nov. 4; Gaz. vol. 196; p. 116.
- Welch, Joseph W., Ogden, Utah. Pipe construction. No. 1,052,112; Feb. 4; Gaz. vol. 187; p. 93.
- Welch, Joseph W., Ogden, Utah. Pipe construction. No. 1,074,395; Sept. 30; Gaz. vol. 194; p. 1055.
- Welch, Norman E., Los Angeles, Cal. Disappearing bed. No. 1,065,287; June 17; Gaz. vol. 191; p. 786.
- Welch, Riley O., Lyons, Kans. Grain loader and unloader. No. 1,067,450; July 15; Gaz. vol. 192; p. 599.
- Welch, Robert L., Chicago, Ill., assignor to A. G. Spalding & Bros., New York, N. Y. Base-ball mask. No. 1,081,798; Dec. 16; Gaz. vol. 197; p. 708.
- Welch, Rosia W., Baltimore, Md., assignor of one-half to J. T. Burwell, Millwood, Va. Rice-hulling machine. No. 1,077,659; Nov. 4; Gaz. vol. 196; p. 144.
- Welch, Thomas C., Chicago, Ill., assignor to Welch Automatic Trimmer Co. Automatic continuous book-trimming machine. No. 1,076,726; Oct. 28; Gaz. vol. 195; p. 848.
- Welch, Walter H., assignor to Harvey Frost & Company Limited, London, England. Electrical vulcanizer. No. 1,057,904; Apr. 1; Gaz. vol. 189; p. 174.
- Welch, William H., Berkeley, assignor of one-half to G. Ash, Williams, Cal. Single hitch for orchard and vineyard harness. No. 1,075,885; Oct. 14; Gaz. vol. 195; p. 472.
- Welch, William P. (See Gibford and Welch.)
- Welch, William P., Adrian, Mich. Combined tooth-brush and holder. No. 1,052,539; Feb. 11; Gaz. vol. 187; p. 269.
- Welcomb Machine Company. (See Berry, Harry F., assignor.)
- Weld, Charles, Stanwood, Mich. Funnel. No. 1,052,111; Feb. 4; Gaz. vol. 187; p. 93.
- Weld, George A., Winchester, Mass. Valve-controlling appliance. No. 1,056,867; Mar. 25; Gaz. vol. 188; p. 848.
- Welday, Joseph B., Dennison, Ohio. Adjustable rail-brace. No. 1,055,107; Mar. 4; Gaz. vol. 188; p. 153.
- Welden, William S., Dallas, Ga. Back-band for harness. No. 1,060,045; Apr. 29; Gaz. vol. 189; p. 1066.
- Welever, Clarence E. (See Cook and Welever.)
- Welfe, Joseph, Hamler, Ohio. Fence-post. No. 1,075,290; Oct. 14; Gaz. vol. 195; p. 306.
- Welfey, Lawrence P., Hinton, W. Va. Screw-plug for grease-cups. No. 1,060,520; Apr. 29; Gaz. vol. 189; p. 1231.
- Welfey, Lawrence P., Hinton, W. Va. Gage-cock. No. 1,076,727; Oct. 28; Gaz. vol. 195; p. 848.
- Welin, Peter, Worcester, Mass., assignor, by mesne assignments, to The Krell Auto-Grand Piano Co. of America, Connerville, Ind. Combination-piano. No. 1,059,094; Apr. 15; Gaz. vol. 189; p. 669.
- Welin, Peter, New Castle, assignor, by mesne assignments, to The Krell Auto-Grand Piano Co. of America, Connerville, Ind. Pneumatically-controlled music-playing device. No. 1,063,898; June 3; Gaz. vol. 191; p. 249.
- Welker, Alexander H., Berlin, Ontario, Canada. Traction-engine. No. 1,063,307; June 3; Gaz. vol. 191; p. 46.
- Welker, Alexander H., Berlin, Ontario, Canada, assignor to Hawthorne Manufacturing Company, Inc., Bridgeport, Conn. Lamp. No. 1,067,085; July 8; Gaz. vol. 192; p. 436.
- Welker, Alvin D., Wadsworth, and L. E. and H. H. Snyder, Barberton, Ohio. Potato-cutting apparatus. No. 1,058,821; Apr. 15; Gaz. vol. 189; p. 572.
- Welker, Robert E. (See Gudeman, Reynolds, and Welker.)
- Well, Hugo C., assignor of one-half to F. A. B. Meinhardt, New York, N. Y. Aeroplane. No. 1,077,774; Nov. 4; Gaz. vol. 196; p. 184.
- Wellen, Carl, Düsseldorf, Germany. Grating, lattice structure, or the like. No. 1,081,476; Dec. 16; Gaz. vol. 197; p. 603.
- Wellens, Harry W. A., Pittsburgh, Pa. Lubricator. No. 1,067,852; July 22; Gaz. vol. 192; p. 769.
- Weller, George L., assignor of three-fourths to W. G. Sharp, Elyria, Ohio. Water-meter. No. 1,058,121; Apr. 8; Gaz. vol. 189; p. 293.
- Weller, Thomas B., Vinita, Okla. Stock-watering tank. No. 1,073,195; Sept. 16; Gaz. vol. 194; p. 593.
- Welles, Henry S., New York, N. Y. Artificial bait. No. 1,078,886; Nov. 18; Gaz. vol. 196; p. 630.
- Welles, Richard H., Kenosha, Wis. Cataloguing-chart. No. 1,058,690; Apr. 8; Gaz. vol. 189; p. 488.
- Welles, Richard H., assignor to The Badger Brass Manufacturing Company, Kenosha, Wis. Electrical connector. No. 1,054,809; Mar. 4; Gaz. vol. 188; p. 54.
- Welles, Richard H., assignor to The Badger Brass Manufacturing Company, Kenosha, Wis. Electrical connector. No. 1,054,810; Mar. 4; Gaz. vol. 188; p. 55.
- Welles, Richard H., assignor to The Badger Brass Manufacturing Company, Kenosha, Wis. Electrical Connector. (Reissue.) No. 13,605; Aug. 12; Gaz. vol. 193; p. 477.
- Welling, Matthew J., assignor of one-half to J. H. McElroy, Chicago, Ill. Feeding mechanism. No. 1,075,276; Oct. 7; Gaz. vol. 195; p. 239.
- Wellington, Arthur W., assignor to Waterbury Manufacturing Co., Waterbury, Conn. Shade or globe holder. No. 1,070,644; Aug. 19; Gaz. vol. 193; p. 605.
- Wellington, Quincy W., *et al.* (See Ferguson, Lyman H., assignor.)
- Welliver, Wilmot H., Elmira, N. Y. Cabinet. No. 1,061,646; May 13; Gaz. vol. 190; p. 409.

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- Wellman, Holley G., Cleveland, Ohio. Quick-break switching mechanism. No. 1,077,380; Nov. 4; Gaz. vol. 196; p. 49.
- Wellman, Samuel T., assignor to The Liquid Forged Steel Company, Cleveland, Ohio. Manufacture of ingots. No. 1,081,997; Dec. 23; Gaz. vol. 197; p. 805.
- Wellman, Samuel T., and H. W. Lash, assignors to The Liquid Forged Steel Company, Cleveland, Ohio. Apparatus for handling ingot-molds. No. 1,073,196; Sept. 16; Gaz. vol. 194; p. 593.
- Wellman-Seaver-Morgan Company, The. (See Douglas, Paul H., assignor.)
- Wellman-Seaver-Morgan Company, The. (See Hulett, George H., assignor.)
- Wells, Albert R., Southington, and F. N. Wells, New Britain, assignors to The Beaton & Corbin Mfg. Co., Southington, Conn. Floor or ceiling plate. No. 1,066,559; July 8; Gaz. vol. 192; p. 257.
- Wells, Alpherd P. and J. C., East Stone Gap, assignors of one-eighteenth to J. Goodloe, one-eighteenth to W. Goodloe, one-eighteenth to E. Goodloe, and one-sixth to A. H. Reeder, Big Stone Gap, Va. Bit-stock. No. 1,059,242; Apr. 15; Gaz. vol. 189; p. 718.
- Wells, Archibald H. (See Franz, Tower, and Wells.)
- Wells, Brooks H. (See Goodyear, Nelson, assignor.)
- Wells, Byron B., assignor to The American Cash Register Company, Columbus, Ohio. Account attachment for cash-registers. No. 1,052,778; Feb. 11; Gaz. vol. 187; p. 350.
- Wells, D., *et al.* (See Ray, Albert J., assignor.)
- Wells, Edward H., Montclair, assignor to The Babcock & Wilcox Company, Bayonne, N. J. Water-tube boiler. No. 1,080,613; Dec. 9; Gaz. vol. 197; p. 273.
- Wells, Elisha F., assignor of one-third to S. M. Tatum and one-third to M. A. Milam, Miami, Fla. Engine-starter. No. 1,075,525; Oct. 14; Gaz. vol. 195; p. 350.
- Wells, Elmer J., Grinnell, assignor to Wagner Manufacturing Co., Cedar Falls, Iowa. Door-hanger. No. 1,066,236; July 1; Gaz. vol. 192; p. 119.
- Wells, Frank N. (See Wells, Albert R. and F. N.)
- Wells, Frederic E., Greenfield, Mass. Flexible die-holder. No. 1,083,040; Dec. 30; Gaz. vol. 197; p. 1197.
- Wells, G. Russell, *et al.* (See Gundersen, Gilbert S., assignor.)
- Wells, Horace L., New Haven, Conn., and T. C. King, deceased, (M. H. King, executrix,) East Orange, N. J.; said Wells assignor to said King. Electrolytically recovering nickel. No. 1,067,698; July 15; Gaz. vol. 192; p. 684.
- Wells, Joel C., Southbridge, Mass. Guard. No. 1,079,733; Nov. 25; Gaz. vol. 196; p. 952.
- Wells, Joseph C. (See Wells, Alpherd P. and J. C.)
- Wells, Joseph U., Fallen Leaf, Cal. Pneumatic vehicle-wheel. No. 1,079,082; Nov. 18; Gaz. vol. 196; p. 699.
- Wells, Robert J., *et al.* (See Wells and Lewis, assignors.)
- Wells Stamp Co., The. (See Wells, Wilfred, assignor.)
- Wells, Wilfred, assignor to The Wells Stamp Co., Philadelphia, Pa. Impression-stamp. No. 1,060,521; Apr. 29; Gaz. vol. 189; p. 1231.
- Wells, William, Cleveland, Ohio. Hot-water heater. No. 1,052,295; Feb. 4; Gaz. vol. 187; p. 155.
- Wells, William C., assignor of one-half to T. J. McGrath, Waterbury, Conn. Fountain-brush. No. 1,060,046; Apr. 29; Gaz. vol. 189; p. 1067.
- Wells, William J., *et al.* (See Wells and Lewis, assignors.)
- Wells, William J., and D. Lewis, Cananea, Mexico, assignors of one-sixth to D. Lewis, one-third to W. J. Wells, one-third to R. J. Wells, and one-sixth to J. Reutimann, Airship. No. 1,067,086; July 8; Gaz. vol. 192; p. 437.
- Wells, William S. (See Sipp and Wells.)
- Wells, William S., Fountain Hill, Pa., assignor to The Sipp Electric and Machine Co., Paterson, N. J. Tension device. No. 1,055,108; Mar. 4; Gaz. vol. 188; p. 154.
- Welman, Charles W., Cleveland, Ohio. Autovalve. No. 1,076,647; Oct. 21; Gaz. vol. 195; p. 768.
- Wels, Paul O., Los Angeles, Cal. Centrifugal concentrator. No. 1,064,184; June 10; Gaz. vol. 191; p. 383.
- Welsbach Light Company. (See Knoedler, Elmer L., assignor.)
- Welsbach Light Company. (See Little, Thomas J., Jr., assignor.)
- Welsbach Light Company. (See Lyon, Howard, assignor.)
- Welsbach Light Company. (See Yardley, Harry, assignor.)
- Welsch, Wilhelm, Berlin, Germany, assignor to General Electric Company. Potential-regulator. No. 1,078,076; Nov. 11; Gaz. vol. 196; p. 318.
- Welsh, Edward, and R. Hughes, Edgar, Wis. Chimney-cleaning device. No. 1,066,688; July 8; Gaz. vol. 192; p. 304.
- Welsh, Henry W., assignor to Avery Scale Company, North Milwaukee, Wis. Automatic weighing-machine. No. 1,072,541; Sept. 9; Gaz. vol. 194; p. 326.
- Welsh, James M., assignor to The Spirella Company, Meadville, Pa. Corset-stay. No. 1,064,947; June 17; Gaz. vol. 191; p. 674.
- Welsh, John, Berkeley, Cal. Folding bed. No. 1,050,319; Jan. 14; Gaz. vol. 186; p. 374.
- Welsh, John, West Berkeley, Cal. Folding bed. No. 1,057,191; Mar. 25; Gaz. vol. 188; p. 961.
- Welsh, John. Green Bay, Wis. Paper-cabinet. No. 1,069,747; Aug. 12; Gaz. vol. 193; p. 257.
- Welsh, William H., Collingswood, N. J., assignor of one-half to H. E. Kendig, Philadelphia, Pa. Preparing matrices for electrotyping. No. 1,049,787; Jan. 7; Gaz. vol. 186; p. 160.
- Welsh, William J., *et al.* (See Seessle, Charles, assignor.)
- Welshans, Henry M., Sparta, Ill. Hose-clamp. No. 1,076,851; Oct. 28; Gaz. vol. 195; p. 891.
- Welt, William C., Albia, Iowa. Railway-tie. No. 1,071,674; Aug. 26; Gaz. vol. 193; p. 980.
- Welter, Grover C., Roswell, N. Mex. Folding box. No. 1,053,258; Feb. 18; Gaz. vol. 187; p. 560.
- Welter, Grover C., Roswell, N. Mex. Fly-catcher and garbage-can combination. No. 1,082,103; Dec. 23; Gaz. vol. 197; p. 841.
- Welter, William F., assignor to J. J. Lanzit, Chicago, Ill. Bailing-machine. No. 1,056,868; Mar. 25; Gaz. vol. 188; p. 849.
- Welton, Alfred. (See Bears, Charles D., assignor.)
- Welton, Alfred, Sr. (See Garner, Daniel B., assignor.)
- Welton, Samuel D., Craigsville, Pa. Window shade and curtain hanger. No. 1,072,889; Sept. 9; Gaz. vol. 194; p. 450.
- Welty, Albert B., Racine, Wis., assignor to The Indiana Manufacturing Company, Indianapolis, Ind. Automatic reversing mechanism. No. 1,051,655; Jan. 28; Gaz. vol. 186; p. 899.
- Welty, William F., Cumberland, N. Mex. Orchard-heater. No. 1,051,473; Jan. 28; Gaz. vol. 186; p. 837.
- Welty, William F., Cumberland, N. Mex. Gate-operating mechanism. No. 1,071,284; Aug. 26; Gaz. vol. 193; p. 852.
- Wenborne-Karpen Dryer Co., The. (See Rummler, Eugene A., assignor.)
- Wende, Charles and W., assignors to Chaswill Manufacturing Company, St. Louis, Mo. Bottle-cleaning machine. No. 1,074,674; Oct. 7; Gaz. vol. 195; p. 30.
- Wende, William. (See Wende, Charles and W.)
- Wendt, Gustave A., Spokane, Wash. Current-motor. No. 1,062,624; May 27; Gaz. vol. 190; p. 817.
- Wendt, Gustave A., Tacoma, Wash. Flying-machine. No. 1,082,143; Dec. 23; Gaz. vol. 197; p. 853.
- Wener, Nils H., assignor to Aktiebolaget Ingeniorsfirma Fritz Egnell, Stockholm, Sweden. Measuring instrument. No. 1,063,091; May 27; Gaz. vol. 190; p. 970.
- Wenger & Co. (See Uebersax, Jean, assignor.)
- Wennberg, Sven, Södertelje, Sweden, assignor to The De Laval Separator Company, New York, N. Y. Central feed-pipe for centrifugal lowis. No. 1,064,579; June 10; Gaz. vol. 191; p. 517.
- Wennersten, Henning, Chicago, Ill. Closure for receptacles for fermenting gaseous liquids. No. 1,056,241; Mar. 18; Gaz. vol. 188; p. 605.
- Wennerstrom, Frederick A., Grand Rapids, Mich. Eccentric chuck. No. 1,056,476; Mar. 18; Gaz. vol. 188; p. 684.
- Wenning, Jean C. A., assignor to Firm of Société Alsacienne de Constructions Mécaniques Mülhausen, Germany. Heilmann combing-machine. No. 1,056,137; Mar. 18; Gaz. vol. 188; p. 569.
- Wensinger, Charles F., Fremont, Ohio. Storm-shield for vehicles. No. 1,080,033; Dec. 2; Gaz. vol. 197; p. 40.
- Wentworth, Leslie C., Oxford, Mass. Pull-protector for boots and shoes. No. 1,062,751; May 27; Gaz. vol. 190; p. 857.
- Wentz, Frank A., and A. L. Curtis, Swanton, Ohio. Metal weather-strip. No. 1,065,569; June 24; Gaz. vol. 191; p. 920.
- Wentz, George F., assignor to Spotless Steam-Sponger Co., Cleveland, Ohio. Sponging, shrinking, and re-finishing machine. No. 1,058,122; Apr. 8; Gaz. vol. 189; p. 294.
- Wentz, William H., Cleveland, Ohio. Rail-coupling device. No. 1,059,243; Apr. 15; Gaz. vol. 189; p. 718.
- Wenzel, Albert, Newark, N. J. Packing-ring. No. 1,064,799; June 17; Gaz. vol. 191; p. 626.
- Wenzel, Albert W., Newark, N. J., assignor to American Piston Ring Company. Packing-ring. No. 1,074,675; Oct. 7; Gaz. vol. 195; p. 31.
- Wenzel, George W. (See Kees, Frederick, assignor.)
- Wenzel, Robert E., and W. M. Shouler, Los Angeles, Cal. Beer-package. No. 1,052,704; Feb. 11; Gaz. vol. 187; p. 325.
- Wenzelburger, Carl, Antwerp, Belgium. Internally coating vessels suitable for containing oil and oleaginous products. No. 1,049,626; Jan. 7; Gaz. vol. 186; p. 107.
- Wenzelmann, Gustave, Galesburg, Ill. Baling-press. No. 1,054,630; Feb. 25; Gaz. vol. 187; p. 1064.
- Werber, Isidor, Vienna, Austria-Hungary. Method of and means for manufacturing mantles for incandescent gas-lighting. No. 1,077,922; Nov. 4; Gaz. vol. 196; p. 233.
- Werd, William E., and F. Stevens, assignors of one-fourth to A. R. Hagar, Roundup, Mont. Foot-power motor. No. 1,059,244; Apr. 15; Gaz. vol. 189; p. 718.
- Werden, Edward W. (See Coe and Werden.)
- Werden, Henrietta T. (See Coe and Werden.)

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- Werle, Catherine A., Nazareth, Pa. Garment construction. No. 1,068,956; July 29; Gaz. vol. 192; p. 1190.
- Werlin, Louis, Philadelphia, Pa. Crate for metal cylinders. No. 1,060,522; Apr. 29; Gaz. vol. 189; p. 1231.
- Wern, Gustav P., New York, N. Y. Screw-operated lever. No. 1,070,931; Aug. 19; Gaz. vol. 193; p. 699.
- Wernentin, Fred, Jr. (See Fanning, Charles E., assignor.)
- Werner, Adolph, and W. H. Fetter, Turtle Creek, Pa. Collar-buttoning device. No. 1,063,092; May 27; Gaz. vol. 190; p. 971.
- Werner, Carl G. E., Bremen, assignor to Bremer Linoleumwerke Delmenhorst, Delmenhorst, Germany. Producing lincresta, linoleum, or like diapered-like cloth. No. 1,074,915; Oct. 7; Gaz. vol. 195; p. 111.
- Werner, Hans, Hanover, Germany. Transmission-gearing. No. 1,061,711; May 13; Gaz. vol. 190; p. 432.
- Werner, Henry E. (See Dixon and Werner.)
- Werner, John A., Altoona, Pa. Drip cup or trap for refrigerator-cars. No. 1,060,047; Apr. 29; Gaz. vol. 189; p. 1067.
- Werner, John A., assignor to The National Cash Register Company, Dayton, Ohio. Cash and autographic register. No. 1,051,474; Jan. 28; Gaz. vol. 186; p. 837.
- Werner, John A., and C. W. Green, assignors to The National Cash Register Company, Dayton, Ohio. Multiple cash-register. No. 1,074,676; Oct. 7; Gaz. vol. 195; p. 31.
- Werner, Lothar. (See Gottschalk, Werner, and Gast.)
- Werner, Philippe, and E. Juillard, assignors to Ateliers H. Cuénod Société Anonyme, Châtelaine, near Geneva, Switzerland. Automatic electric regulator. No. 1,077,024; Oct. 28; Gaz. vol. 195; p. 953.
- Werner, Robert, Ludwigshafen-on-the-Rhine, Germany. Strontium salt of cholic acid. No. 1,081,178; Dec. 9; Gaz. vol. 197; p. 464.
- Werner, William J., Kiel, Wis. Metal container. No. 1,082,783; Dec. 30; Gaz. vol. 197; p. 1111.
- Wernet, George L., and H. A. Collett, Philadelphia, Pa. Dental crown and bridge structure. No. 1,057,192; Mar. 25; Gaz. vol. 188; p. 962.
- Wernimont, Anna M. (See Wernimont, Henry G., assignor.)
- Wernimont, Henry G., assignor to A. M. Wernimont, Washington, D. C. Combination-tool. No. 1,079,997; Dec. 2; Gaz. vol. 197; p. 27.
- West, Johannes J., Delft, P. M. H. L. Collée, and J. M. Egmond, Rotterdam, Netherlands. Separating fibrous matter from admixtures. No. 1,083,234; Dec. 30; Gaz. vol. 197; p. 1258.
- Wert, Albirtus B., Nevada, Mo. Rail-joint. No. 1,077,775; Nov. 4; Gaz. vol. 196; p. 184.
- Wertenbaker, Milton T., Parkersburg, W. Va. Tension device for band-saws. No. 1,069,748; Aug. 12; Gaz. vol. 193; p. 257.
- Werth, Federico, Milan, Italy. Apparatus for uniformly coating strips of metal, wire, and the like under continuous action. No. 1,065,090; June 17; Gaz. vol. 191; p. 721.
- Werth, Walter, New York, N. Y. Attachment for weighing and slicing machines. No. 1,062,065; May 20; Gaz. vol. 190; p. 587.
- Wertheim, Ludwig, New York, N. Y. Bag-lock. No. 1,074,074; Sept. 23; Gaz. vol. 194; p. 919.
- Wertheimer, Milton, Baltimore, Md. Wrapping-machine. No. 1,057,193; Mar. 25; Gaz. vol. 188; p. 962.
- Wertheimer, Milton, Baltimore, Md. Machine for rotating wrapped articles to enable the wrapper ends to be twisted. No. 1,057,194; Mar. 25; Gaz. vol. 188; p. 963.
- Wertman, George L. (See Higgins, Warren P., assignor.)
- Werts, Nelson, St. Marys, Ohio. Envelop-fastener. No. 1,050,582; Jan. 14; Gaz. vol. 186; p. 466.
- Wertsner, Clayton S., assignor to Williams, Brown and Earle, Inc., Philadelphia, Pa. Screen-mount for projection-machine work and similar purposes. No. 1,057,470; Apr. 1; Gaz. vol. 189; p. 25.
- Wertz, Daniel, Toledo, Ohio. Hose or garment supporter. No. 1,072,542; Sept. 9; Gaz. vol. 194; p. 326.
- Wertz, Frank, assignor to The Lorain Steel Company, Johnstown, Pa. Railway-switch construction. No. 1,063,308; June 3; Gaz. vol. 191; p. 47.
- Wertz, William B., Greenville, S. C. Water-heating attachment. No. 1,059,796; Apr. 22; Gaz. vol. 189; p. 941.
- Wertz, William K., and M. A. Prugh, Greensburg, Pa. Railway-frog. No. 1,067,699; July 15; Gaz. vol. 192; p. 684.
- Weschler, Daniel D., Milwaukee, Wis. Malt-turning machine. No. 1,056,869; Mar. 25; Gaz. vol. 188; p. 849.
- Wescott, Edmund L., Toronto, Ontario, Canada. Combined rack and seal for submerged milk-containers. No. 1,076,852; Oct. 28; Gaz. vol. 195; p. 891.
- Wescott, Willis L., et al. (See Lipps, Louis P., assignor.)
- Wesener, John A., Chicago, Ill. Improving the condition of flour. No. 1,071,977; Sept. 2; Gaz. vol. 194; p. 105.
- Wesley, Harold G., Adrian, Mich. Lace measuring and reeling mechanism. No. 1,075,453; Oct. 14; Gaz. vol. 195; p. 326.
- Wesley, Joseph J., Douglaston, N. Y., assignor to Metropolitan Electric M'fg. Co. Flush switch. No. 1,061,647; May 13; Gaz. vol. 190; p. 409.
- Wesley, Miles, Bethelridge, Ky. Fastener for crate-covers. No. 1,056,477; Mar. 18; Gaz. vol. 188; p. 685.
- Wesner, Frank W., Brookline, Mass. Garment-hanger. No. 1,066,170; July 1; Gaz. vol. 192; p. 94.
- Wessel, Fredrick, Houston, Tex. Rail-fastener. No. 1,049,954; Jan. 7; Gaz. vol. 186; p. 214.
- Wessinger, William E., Duluth, Minn. Switch-operating mechanism. No. 1,078,975; Nov. 18; Gaz. vol. 196; p. 659.
- Wessoleck, Augustus W., assignor to The American Hardware Corporation, New Britain, Conn. Speedometer-driving-pinion support. No. 1,058,930; Apr. 15; Gaz. vol. 189; p. 611.
- Wessoleck, Augustus W., assignor to The American Hardware Corporation, New Britain, Conn. Driving-gear for speedometers. No. 1,067,700; July 15; Gaz. vol. 192; p. 685.
- Wessoleck, Augustus W., assignor to The American Hardware Corporation, New Britain, Conn. Driving-pinion support. No. 1,074,581; Sept. 30; Gaz. vol. 194; p. 1115.
- Wessoleck, Augustus W., assignor to The American Hardware Corporation, New Britain, Conn. Clutch for speedometers and the like. No. 1,081,934; Dec. 16; Gaz. vol. 197; p. 754.
- Wesson, Isaac A., Wingo, Ky. Linear measure. No. 1,079,457; Nov. 25; Gaz. vol. 196; p. 856.
- Wesson, Joseph H., Springfield, Mass. Cartridge. No. 1,079,083; Nov. 18; Gaz. vol. 196; p. 699.
- Wesson, Joseph H., Springfield, Mass., assignor to Smith & Wesson, Incorporated. Automatic pistol. No. 1,059,245; Apr. 15; Gaz. vol. 189; p. 719.
- West, Arthur J., Bethlehem, Pa. Valve for gas compressors and pumps. No. 1,052,540; Feb. 11; Gaz. vol. 187; p. 269.
- West, Arthur J., Bethlehem, Pa. Gas compressor and pump. No. 1,052,541; Feb. 11; Gaz. vol. 187; p. 270.
- West, Augustus A., New York, N. Y., assignor to West Electric Hair Curler Co., Philadelphia, Pa. Hair-curler. No. 1,082,784; Dec. 30; Gaz. vol. 197; p. 1111.
- West, Augustus A., Brooklyn, N. Y., and W. H. Gatchell, Philadelphia, Pa., assignors to W. H. Gatchell. Hair-curler. No. 1,077,897; Nov. 4; Gaz. vol. 196; p. 224.
- West, Charles B., assignor to J. M. and E. A. Carson and A. H. Jones, Los Angeles, Cal. Vending-machine. No. 1,056,960; Mar. 25; Gaz. vol. 188; p. 881.
- West, Charles H., Pittsburgh, Pa. Railway-tie and plate. No. 1,059,582; Apr. 22; Gaz. vol. 189; p. 871.
- West, Charles W., assignor of one-half to S. J. Hamshaw, Kansas City, Mo. Fountain-brush. No. 1,068,719; July 29; Gaz. vol. 192; p. 1105.
- West Coast Iron Company, The. (See Lash, Horace W., assignor.)
- West Disinfecting Company. (See Marcuse, Moses M., assignor.)
- West Electric Hair Curler Co. (See West, Augustus A., assignor.)
- West, Elmer S., Ewing, Ky. Poultry-house. No. 1,051,935; Feb. 4; Gaz. vol. 187; p. 30.
- West, Frank. (See Body and Leftwich, assignors.)
- West, Frank P., Port Orchard, Wash. Curtain-holder. No. 1,072,063; Sept. 2; Gaz. vol. 194; p. 134.
- West, Frank P., Orting, Wash. Corn-rack. No. 1,078,814; Nov. 18; Gaz. vol. 196; p. 606.
- West, Fredrick J., and H. W. Darby, Winnipeg, Manitoba, Canada. Circuit-controlling device. No. 1,066,965; July 8; Gaz. vol. 192; p. 398.
- West, Fredrick J., and H. W. Darby, Winnipeg, Manitoba, Canada. Riveter. No. 1,074,396; Sept. 30; Gaz. vol. 194; p. 1055.
- West, Grafton. (See Goodrich and West.)
- West, Harry H., Plymouth, Pa. Attachment for knitting-machines. No. 1,064,185; June 10; Gaz. vol. 191; p. 383.
- West Haven Mfg. Co., The. (See Bradley, Frank S., assignor.)
- West, Henry F. (See Harvey, Moses W., assignor.)
- West, John. (See Glover and West.)
- West, Joseph M., Rockport, Mo. Amusement device. No. 1,079,678; Nov. 25; Gaz. vol. 196; p. 932.
- West, Max A., Blind Slough, Oreg. Self-dumping scraper. No. 1,061,791; May 13; Gaz. vol. 190; p. 455.
- West, Owen A., Sabina, assignor of one-third to J. Mathews and one-third to F. E. Sears, Clinton county, Ohio. Chisel. No. 1,082,379; Dec. 23; Gaz. vol. 197; p. 938.
- West, Ross R., Windsor, Ontario, Canada. Window-operating device. No. 1,050,073; Jan. 7; Gaz. vol. 186; p. 256.
- West, Samuel M. (See Ward, Ernest N. and F. J., assignors.)
- West, Thomas D., Cleveland, Ohio. Mold for making metal castings. No. 1,056,961; Mar. 25; Gaz. vol. 188; p. 882.
- West, Thomas J. (See McKenzie and West.)
- West, Vego M., et al. (See Mundigler, George L., assignor.)
- West Virginia Malleable Iron Co. (See Woelfel, Ernest H., assignor.)
- West, William H. R., Winchester, England. Stand and fork for toasting. No. 1,061,431; May 13; Gaz. vol. 190; p. 332.

Alphabetical list of patentees—Continued.

- Westaway, Walter C., Rockford, assignor to Chicago Pneumatic Tool Company, Chicago, Ill. Vaporizing-valve. No. 1,068,830; July 29; Gaz. vol. 192; p. 1146.
- Westberg, Andrew E., Five Creeks township, Clay county, Kans. Lariat-oose clip. No. 1,075,179; Oct. 7; Gaz. vol. 195; p. 203.
- Westbrook, Edmund H., Liberty, Miss. Nut-lock. No. 1,066,870; July 8; Gaz. vol. 192; p. 365.
- Westbrook, Luther J., Waleska, Ga. Rule. No. 1,059,797; Apr. 22; Gaz. vol. 189; p. 941.
- Westby, Adolph C., Porter, Minn. Beating and mixing machine. No. 1,074,397; Sept. 30; Gaz. vol. 194; p. 1056.
- Westby, Nikolay, St. Paul, Minn. Hinge. No. 1,066,560; July 8; Gaz. vol. 192; p. 258.
- Westensee, Adolph, Galva, Iowa. Car-ticket holder. No. 1,075,132; Oct. 7; Gaz. vol. 195; p. 187.
- Wester, Arthur A., Boone, Iowa. Poultry-fountain. No. 1,082,921; Dec. 30; Gaz. vol. 197; p. 1158.
- Westerbeck, Frederick, St. Louis, Mo. Sheet-metal box. No. 1,054,326; Feb. 25; Gaz. vol. 187; p. 960.
- Westerberg, Nils, *et al.* (See Carpenter, Hezekiah, assignor.)
- Westerfield, Newton C., Oregon City, Oreg., assignor to International Manufacturing & Equipping Co. Separator. No. 1,081,282; Dec. 9; Gaz. vol. 197; p. 499.
- Westergard, Christ, Everett, Wash. Forming cement blocks. No. 1,063,899; June 3; Gaz. vol. 191; p. 249.
- Western Automatic Fender Co. (See Hild and Flateboe, assignors.)
- Western Cartridge Company. (See Clyne, Robert G., assignor.)
- Western Clock Co. (See Kern, George, assignor.)
- Western Door Control Company. (See Mills, Edward N., assignor.)
- Western Electric Company. (See Aldendorff, Fritz, assignor.)
- Western Electric Company. (See Anderson, Victor, assignor.)
- Western Electric Company. (See Atwood, George F., assignor.)
- Western Electric Company. (See Barrett, William J., assignor.)
- Western Electric Company. (See Beck, William O., assignor.)
- Western Electric Company. (See Bewlay, Henry, assignor.)
- Western Electric Company. (See Chapin, Frederick R., assignor.)
- Western Electric Company. (See Craft, Edward B., assignor.)
- Western Electric Company. (See Craft and Dixon, assignors.)
- Western Electric Company. (See Craft and Reynolds, assignors.)
- Western Electric Company. (See Dixon, Amos F., assignor.)
- Western Electric Company. (See Egerton, Henry C., assignor.)
- Western Electric Company. (See Erikson, Per E., assignor.)
- Western Electric Company. (See Hosford, William F., assignor.)
- Western Electric Company. (See Ireland and Gilson, assignors.)
- Western Electric Company. (See Lundquist, Frank A., assignor.)
- Western Electric Company. (See Lyng, John J., assignor.)
- Western Electric Company. (See McBerty, Frank R., assignor.)
- Western Electric Company. (See McConnell, Charles P., assignor.)
- Western Electric Company. (See Reynolds, John N., assignor.)
- Western Electric Company. (See Reynolds and Dixon, assignors.)
- Western Electric Company. (See Rinker, Jacob C., assignor.)
- Western Electric Company. (See Roberts, John G., assignor.)
- Western Electric Company. (See Scribner, Charles E., assignor.)
- Western Electric Company. (See Scribner and Adams, assignors.)
- Western Electric Company. (See Scribner, McQuarrie and Craft, assignors.)
- Western Electric Company. (See Shreeve, Herbert E., assignor.)
- Western Electric Company. (See Spamer, Richard F., assignor.)
- Western Electric Company. (See Tanner, De Witt C., assignor.)
- Western Electric Company. (See Wallace, John N., assignor.)
- Western Electric Company. (See Wöhler, Friedrich, assignor.)
- Western Implement & Motor Company. (See Appleby, John F., assignor.)
- Western Mail Transfer Company. (See Priddy, Edwin S., assignor.)
- Western Manufacturing Co. (See Martin, James D., assignor.)
- Western Refrigerator & Mfg. Co. (See Wittkopf, Gustave F., assignor.)
- Western Stopper Company. (See Olsen, Waldemar J. P., assignor.)
- Western Sugar Refining Company. (See Murray, Warren E., assignor.)
- Western Surgical Supply Company, The. (See Hasenzahl, Ferdinand, assignor.)
- Western Wheeled Scraper Company. (See McKnight, Thomas R., assignor.)
- Westervelt, Frank W. (See Trieschmann, Luther H., assignor.)
- Westfield, George S., Keyser, W. Va. Grapple or tongs. No. 1,056,478; Mar. 18; Gaz. vol. 188; p. 685.
- Westin, Karl R., Sandviken, Sweden. Means for loosening the tube from the mandril in the manufacture of tubes. No. 1,068,549; July 29; Gaz. vol. 192; p. 1045.
- Westinghouse Air Brake Company, The. (See Augur, Robert C., assignor.)
- Westinghouse Air Brake Company, The. (See Boyden, George A., assignor.)
- Westinghouse Air Brake Company, The. (See Cass, Christopher P., assignor.)
- Westinghouse Air Brake Company, The. (See Cloud, John W., assignor.)
- Westinghouse Air Brake Company, The. (See Dewson, Edward H., assignor.)
- Westinghouse Air Brake Company, The. (See Farmer, Clyde C., assignor.)
- Westinghouse Air Brake Company, The. (See Harris, Joseph D., assignor.)
- Westinghouse Air Brake Company, The. (See Mahoney, Joseph N., assignor.)
- Westinghouse Air Brake Company, The. (See Murphy, Howard M. P., assignor.)
- Westinghouse Air Brake Company, The. (See Oppermann, Georg, assignor.)
- Westinghouse Air Brake Company, The. (See Parke, Robert A., assignor.)
- Westinghouse Air Brake Company, The. (See Stone, Louis G., assignor.) (Reissue.)
- Westinghouse Air Brake Company, The. (See Turner, Walter V., assignor.)
- Westinghouse Air Brake Company, The. (See Turner and Cady, assignors.)
- Westinghouse Air Brake Company, The. (See Westinghouse, George, assignor.)
- Westinghouse Air Brake Company, The. (See Westinghouse, Henry H., assignor.)
- Westinghouse Air Brake Company, The. (See Woernley, Harry F., assignor.)
- Westinghouse Air Spring Company, The. (See Liebau, Richard, assignor.)
- Westinghouse Automatic Air and Steam Coupler Company. (See Adreon, Robert E., assignor.)
- Westinghouse Electric and Manufacturing Company. (See Aalborg, Christian, assignor.)
- Westinghouse Electric and Manufacturing Company. (See Adams, James L., Jr., assignor.)
- Westinghouse Electric & Manufacturing Company. (See Aspinwall and Bright, assignors.)
- Westinghouse Electric and Manufacturing Company. (See Baehr, George, assignor.)
- Westinghouse Electric and Manufacturing Company. (See Baerlocher, Robert F., assignor.)
- Westinghouse Electric & Manufacturing Company. (See Bradshaw, William M., assignor.)
- Westinghouse Electric & Manufacturing Company. (See Burns, James A., assignor.)
- Westinghouse Electric and Manufacturing Company. (See Chubb, Lewis W., assignor.)
- Westinghouse Electric & Manufacturing Company. (See Chubb and Edgecomb, assignors.)
- Westinghouse Electric and Manufacturing Company. (See Colby, Ora A., assignor.)
- Westinghouse Electric and Manufacturing Company. (See Conrad, Frank, assignor.)
- Westinghouse Electric and Manufacturing Company. (See Conrad and Sakai, assignors.)
- Westinghouse Electric and Manufacturing Company. (See Cooper, William, assignor.)
- Westinghouse Electric and Manufacturing Company. (See Crouse, John L., assignor.)
- Westinghouse Electric and Manufacturing Company. (See Davis, Joseph L., assignor.)
- Westinghouse Electric & Manufacturing Company. (See Davis and Varney, assignors.)
- Westinghouse Electric and Manufacturing Company. (See Eaton, George M., assignor.)
- Westinghouse Electric and Manufacturing Company. (See Edgecomb, Henry R., assignor.)
- Westinghouse Electric and Manufacturing Company. (See Elers, Karl F., assignor.)
- Westinghouse Electric and Manufacturing Company. (See Ergenzinger and Day, assignors.)
- Westinghouse Electric and Manufacturing Company. (See Forrer, Joseph D., assignor.)
- Westinghouse Electric and Manufacturing Company. (See Fortescue, Charles L., assignor.)

Alphabetical list of patentees—Continued.

- Westinghouse Electric and Manufacturing Company. (See Garcelon, George H., assignor.)
- Westinghouse Electric & Manufacturing Company. (See Godber, William, assignor.)
- Westinghouse Electric and Manufacturing Company. (See Griffin, George B., assignor.)
- Westinghouse Electric and Manufacturing Company. (See Hadaway, William S., Jr., assignor.)
- Westinghouse Electric and Manufacturing Company. (See Haefely, Emil, assignor.)
- Westinghouse Electric and Manufacturing Company. (See Hall, Fred C., assignor.)
- Westinghouse Electric & Manufacturing Company. (See Harris, Ford W., assignor.)
- Westinghouse Electric and Manufacturing Company. (See Hellmund, Rudolf E., assignor.)
- Westinghouse Electric and Manufacturing Company. (See Jackson, Ray P., assignor.)
- Westinghouse Electric & Manufacturing Company. (See James, Henry D., assignor.)
- Westinghouse Electric & Manufacturing Company. (See Johannesen, Svend E., assignor.)
- Westinghouse Electric and Manufacturing Company. (See Kingsbury, Albert, assignor.)
- Westinghouse Electric and Manufacturing Company. (See Klinck, John H., assignor.)
- Westinghouse Electric and Manufacturing Company. (See Kraeuter and Kintner, assignors.)
- Westinghouse Electric and Manufacturing Company. (See Lamme, Benjamin G., assignor.)
- Westinghouse Electric and Manufacturing Company. (See Lewis, Harry A., assignor.)
- Westinghouse Electric and Manufacturing Company. (See Lewis, Joseph W., assignor.)
- Westinghouse Electric & Manufacturing Company. (See Little, George M., assignor.)
- Westinghouse Electric and Manufacturing Company. (See MacGahan, Paul, assignor.)
- Westinghouse Electric and Manufacturing Company. (See Mahoney, Joseph N., assignor.)
- Westinghouse Electric and Manufacturing Company. (See Mahoney, Myles, assignor.)
- Westinghouse Electric & Manufacturing Company. (See Mateer, Jesse E., assignor.)
- Westinghouse Electric and Manufacturing Company. (See Murray, William S., assignor.)
- Westinghouse Electric and Manufacturing Company. (See Peale, Walter O., assignor.)
- Westinghouse Electric and Manufacturing Company. (See Renshaw, Clarence, assignor.)
- Westinghouse Electric and Manufacturing Company. (See Rose, Edward E., assignor.)
- Westinghouse Electric & Manufacturing Company. (See Rypinski, Maurice C., assignor.)
- Westinghouse Electric and Manufacturing Company. (See Sakai, Yasudiro, assignor.)
- Westinghouse Electric and Manufacturing Company. (See Sanborn, John R., assignor.)
- Westinghouse Electric and Manufacturing Company. (See Scheible, Harold M., assignor.)
- Westinghouse Electric and Manufacturing Company. (See Schwarz, Elmer H., assignor.)
- Westinghouse Electric & Manufacturing Company. (See Scott, Thomas S., assignor.)
- Westinghouse Electric & Manufacturing Company. (See Skinner and Scott, assignors.)
- Westinghouse Electric & Manufacturing Company. (See Smith, Harold E., assignor.)
- Westinghouse Electric and Manufacturing Company. (See Steen, Halfdan A., assignor.)
- Westinghouse Electric and Manufacturing Company. (See Storer, Norman W., assignor.)
- Westinghouse Electric & Manufacturing Company. (See Stott, Henry G., assignor.)
- Westinghouse Electric and Manufacturing Company. (See Taylor, Harold B., assignor.)
- Westinghouse Electric & Manufacturing Company. (See Tingley, Egbert M., assignor.)
- Westinghouse Electric and Manufacturing Company. (See Turner, Percy S., assignor.)
- Westinghouse Electric and Manufacturing Company. (See Varley, Thomas W., assignor.)
- Westinghouse Electric and Manufacturing Company. (See Varney, Theodore, assignor.)
- Westinghouse Electric and Manufacturing Company. (See Webster, John E., assignor.)
- Westinghouse Electric and Manufacturing Company. (See Wikander, Ragnar, assignor.)
- Westinghouse Electric & Manufacturing Company. (See Wurts, Alexander J., assignor.)
- Westinghouse, George. Pittsburgh, Pa. Dynamometer. No. 1,050,186; Jan. 14; Gaz. vol. 186; p. 328.
- Westinghouse, George. Pittsburgh, Pa. Blade-mounting. No. 1,050,187; Jan. 14; Gaz. vol. 186; p. 328.
- Westinghouse, George. Pittsburgh, Pa. Blades. No. 1,061,648; May 13; Gaz. vol. 190; p. 409.
- Westinghouse, George, Pittsburgh, Pa. Cooling means for internal-combustion engines. No. 1,073,197; Sept. 16; Gaz. vol. 194; p. 594.
- Westinghouse, George, assignor, by mesne assignments, to The Colonial Trust Company, trustee, Pittsburgh, Pa. Elastic-fluid turbine. No. 1,061,792; May 13; Gaz. vol. 190; p. 456.
- Westinghouse, George, assignor to The Westinghouse Air Brake Company, Pittsburgh, Pa. Pipe-coupling device. No. 1,063,755; June 3; Gaz. vol. 191; p. 203.
- Westinghouse, Henry H., New York, N. Y., assignor to The Westinghouse Air Brake Company, Pittsburgh, Pa. Interlock for a combined car and electric coupling. No. 1,063,631; June 3; Gaz. vol. 191; p. 159.
- Westinghouse Lamp Company. (See Beadle, George W., assignor.)
- Westinghouse Lamp Company. (See Dunning, Herbert S., assignor.)
- Westinghouse Lamp Company. (See Dunning and Houskeeper, assignors.)
- Westinghouse Lamp Company. (See Henderson, Robert H., assignor.)
- Westinghouse Lamp Company. (See Houskeeper, William G., assignor.)
- Westinghouse Lamp Company. (See Knight, Arthur S., assignor.)
- Westinghouse Lamp Company. (See Lederer, Anton, assignor.)
- Westinghouse Lamp Company. (See Madden, Harry D., assignor.)
- Westinghouse Lamp Company. (See Schairer, Otto S., assignor.)
- Westinghouse Machine Company, The. (See Flanders, Warren B., assignor.)
- Westinghouse Machine Company, The. (See Herr, Herbert T., assignor.)
- Westinghouse Machine Company, The. (See Hodgkinson, Francis, assignor.)
- Westinghouse Machine Company. (See Kando, Koloman de, assignor.)
- Westinghouse Machine Company, The. (See Snyder, John E., assignor.)
- Westlake, Charles T. (See Howard and Westlake.)
- Westlake, Charles T., St. Louis, Mo., assignor to Swing Rolling Truck Co. Car-truck. (Reissue.) No. 13,576; June 10; Gaz. vol. 191; p. 562.
- Westlake, Charles T., assignor to Swing Rolling Truck Co., St. Louis, Mo. Car-truck. No. 1,079,458; Nov. 25; Gaz. vol. 196; p. 856.
- Westlake, Charles T., assignor to Swing Rolling Truck Co., St. Louis, Mo. Car-truck. No. 1,079,459; Nov. 25; Gaz. vol. 196; p. 857.
- Westlake, Charles T., assignor to Flory Carry Iron Company, St. Louis, Mo. End sill. No. 1,065,645; June 24; Gaz. vol. 191; p. 946.
- Westlake, Charles T., assignor to Flory Carry Iron Company, St. Louis, Mo. Carry-iron. No. 1,065,646; June 24; Gaz. vol. 191; p. 946.
- Westlake, Charles T., assignor to Transom Draft Gear Company, St. Louis, Mo. Car-underframe. No. 1,066,171; July 1; Gaz. vol. 192; p. 94.
- Westlake, Charles T., assignor to Commonwealth Steel Company, St. Louis, Mo. Car-truck. No. 1,078,648; Nov. 18; Gaz. vol. 196; p. 546.
- Westlake, Charles T., and C. F. Frede, assignors to Double Body Bolster Company, St. Louis, Mo. Buffing mechanism for car-platforms. No. 1,049,627; Jan. 7; Gaz. vol. 186; p. 107.
- Westlake, Charles T., and C. F. Frede, assignors to Double Body Bolster Company, St. Louis, Mo. Buffing mechanism for car-platforms. No. 1,050,188; Jan. 14; Gaz. vol. 186; p. 328.
- Westlake, Charles T., and C. F. Frede, assignors to Double Body Bolster Company, St. Louis, Mo. Buffing mechanism for car-platforms. No. 1,051,039; Jan. 21; Gaz. vol. 186; p. 658.
- Westlake, Charles T., and C. F. Frede, assignors to Double Body Bolster Company, St. Louis, Mo. Buffing mechanism for car-platforms. No. 1,054,953; Mar. 4; Gaz. vol. 188; p. 101.
- Westland, George M., Wenatchee, Wash. Box-making machine. No. 1,081,071; Dec. 9; Gaz. vol. 197; p. 428.
- Westly, Jens, Sulitjelma, Norway. Electrometallurgical furnace. No. 1,050,189; Jan. 14; Gaz. vol. 186; p. 329.
- Westman, Anders A., assignor to J. & C. G. Bolinders Mekaniska Verkstads Aktiebolag, Stockholm, Sweden. Machine for manufacturing plates of boards. No. 1,057,471; Apr. 1; Gaz. vol. 189; p. 25.
- Weston, Clarence B. (See King and Weston.)
- Weston, Clarence J., Fort Dodge, Iowa. Dump-car. No. 1,058,649; Apr. 8; Gaz. vol. 189; p. 473.
- Weston, Edward, Newark, assignor to Weston Electrical Instrument Company, Waverly Park, N. J. Index needle or hand for use with electrical measuring instruments. No. 1,070,310; Aug. 12; Gaz. vol. 193; p. 450.
- Weston, Edward, Newark, assignor to Weston Electrical Instrument Company, Waverly Park, N. J. Index needle or hand for use with electrical measuring instruments. No. 1,070,311; Aug. 12; Gaz. vol. 193; p. 451.
- Weston Electrical Instrument Company. (See Romain, Burchard P., assignor.)

Alphabetical list of patentees—Continued.

- Weston Electrical Instrument Company. (See Weston, Edward, assignor.)
- Weston, Folke W., New York, N. Y. Printer's plate-holding device. No. 1,073,378; Sept. 16; Gaz. vol. 194; p. 659.
- Weston, Folke W., New York, assignor to F. Wesel Manufacturing Company, Brooklyn, N. Y. Register-hook. No. 1,059,798; Apr. 22; Gaz. vol. 189; p. 942.
- Weston, Folke W., New York, assignor to F. Wesel Manufacturing Company, Brooklyn, N. Y. Plate-holding device. No. 1,076,928; Oct. 28; Gaz. vol. 195; p. 919.
- Weston, Oliver, Cleveland, Ohio. Wrench. No. 1,080,132; Dec. 2; Gaz. vol. 197; p. 75.
- Weston, Ralph M., Southbridge, Mass. Machine for making temples for spectacles. No. 1,054,631; Feb. 25; Gaz. vol. 187; p. 1064.
- Weston, Roddy V., assignor of one-third to H. Whitehart and one-third to T. Gangwer, Athens, Tenn. Spike for shoes. No. 1,058,504; Apr. 8; Gaz. vol. 189; p. 426.
- Weston, William S., Chicago, Ill. Adjustable curve-scriber. No. 1,061,345; May 13; Gaz. vol. 190; p. 303.
- Westrich, Alphons L., Salt Lake City, Utah. Pressure-driven drill. No. 1,055,844; Mar. 11; Gaz. vol. 188; p. 436.
- Wetherbee, Herbert E. (See Grant and Wetherbee.)
- Wetherbee, Herbert E., assignor of one-half to R. F. Grant, Cleveland, Ohio. Apparatus for separating solids from liquids. No. 1,069,048; July 29; Gaz. vol. 192; p. 1219.
- Wetherell, Anson B., Pittsburgh, Pa. Vehicle-tire. No. 1,050,886; Jan. 21; Gaz. vol. 186; p. 603.
- Wetherell, Winford C. (See Sylvester, Charles, assignor.)
- Wetherill, Robert, assignor to Robert Wetherill & Company, Incorporated, Chester, Pa. Valve-gear for steam-engines. No. 1,077,898; Nov. 4; Gaz. vol. 196; p. 225.
- Wetherill Separating Company. (See Rowand, Lewis G., assignor.)
- Wettengel, Charles A., St. Louis, Mo. Retort-press. No. 1,054,064; Feb. 25; Gaz. vol. 187; p. 871.
- Wetter Numbering Machine Company. (See Nolan, John R., assignor.)
- Wetterau, William N. (See Phillips, Charles H., assignor.)
- Wetteroth, Frank. (See Schultz and Wetteroth.)
- Wettstine, Henry A., Hazleton, Pa. Dental instrument. No. 1,066,966; July 8; Gaz. vol. 192; p. 399.
- Wetz, Edward A. (See Jackson, Louis I., assignor.)
- Wetzel, Andrew, Los Angeles, Cal. Telephone-receiver holder. No. 1,069,307; Aug. 5; Gaz. vol. 193; p. 76.
- Wetzel, Lewis C., assignor to Toledo Scale Company, Toledo, Ohio. Weighing and computing scale. No. 1,068,616; July 29; Gaz. vol. 192; p. 1069.
- Wetzel, Richard, New York, N. Y. Smoking-pipe. No. 1,054,261; Feb. 25; Gaz. vol. 187; p. 938.
- Wetzel, Rose A., Buckhannon, W. Va. Jar-holder. No. 1,060,048; Apr. 29; Gaz. vol. 189; p. 1067.
- Wetzel, Wilbur H. (See Little, Nelson T., assignor.)
- Wetzer, Oskar E., Hersbruck, Germany. Railway-sleeper. No. 1,075,616; Oct. 14; Gaz. vol. 195; p. 382.
- Wexler, Benjamin, Brooklyn, assignor to The Peele Co., New York, N. Y. Latch for elevator-doors. No. 1,072,064; Sept. 2; Gaz. vol. 194; p. 134.
- Weyenberg, Albert, West De Pere, Wis. Combined bench and wringer-support. No. 1,075,526; Oct. 14; Gaz. vol. 195; p. 351.
- Weyrich, Rudolph, Milwaukee, Wis. Package-securing device. No. 1,068,029; July 22; Gaz. vol. 192; p. 828.
- Whalen, Daniel M., Lincoln, Me. Digester. No. 1,051,530; Jan. 28; Gaz. vol. 186; p. 857.
- Whalen, Daniel M., Lincoln, Me. Auxiliary combustion-chamber for sulfur-burners. No. 1,065,750; June 24; Gaz. vol. 191; p. 981.
- Whalen, Thomas J., New Brunswick, assignor, by mesne assignments, to H. M. Marble, Newark, N. J. Tire-making machine. No. 1,064,035; June 10; Gaz. vol. 191; p. 330.
- Whalton, Hilary F., and J. R. Stowers, Key West, Fla. Winding mechanism. No. 1,066,237; July 1; Gaz. vol. 192; p. 119.
- Whannell, Daniel C. (See Laughton, George W., assignor.)
- Wharran, William H., Curtis Bay, and C. T. Maxon, South Baltimore, Md. Track structure. No. 1,071,122; Aug. 26; Gaz. vol. 193; p. 798.
- Wharton, Joseph S. L., *et al.* (See Gamble, Joseph W., assignor.)
- Wharton, Warren C., Fremont, Iowa. Road-drag. No. 1,054,065; Feb. 25; Gaz. vol. 187; p. 871.
- Whealon, Francis O., St. Paul, Minn. Drifting device for locomotives. No. 1,058,018; Apr. 1; Gaz. vol. 189; p. 213.
- Wheary, George H., Racine, Wis. Wardrobe-trunk. No. 1,051,936; Feb. 4; Gaz. vol. 187; p. 31.
- Wheary, George H., Racine, Wis. Wardrobe-trunk. No. 1,051,937; Feb. 4; Gaz. vol. 187; p. 31.
- Wheary, George H., Racine, Wis. Trunk. No. 1,051,938; Feb. 4; Gaz. vol. 187; p. 32.
- Wheary, George H., Racine, Wis. Wardrobe-trunk. No. 1,057,195; Mar. 25; Gaz. vol. 188; p. 963.
- Wheary, Joseph R., East Radford, Va. Gage-cock. No. 1,064,409; June 10; Gaz. vol. 191; p. 459.
- Wheat, Frederick, London, England, assignor to Burroughs Adding Machine Company, Detroit, Mich. Adding-machine. No. 1,053,687; Feb. 18; Gaz. vol. 187; p. 707.
- Wheatley, Arthur, Philadelphia, Pa. Car-seat. No. 1,051,040; Jan. 21; Gaz. vol. 186; p. 658.
- Wheatley, Arthur, Philadelphia, Pa. Car-seat. No. 1,069,246; Apr. 15; Gaz. vol. 189; p. 719.
- Wheatley, Charles S., Needham Heights, Mass. Game apparatus. No. 1,063,756; June 3; Gaz. vol. 191; p. 203.
- Wheatley, Harry D., Baltimore, Md. Awning blind hinge. No. 1,069,505; Aug. 5; Gaz. vol. 193; p. 145.
- Wheaton, Abram W., Newark, N. J. Faucet. No. 1,052,296; Feb. 4; Gaz. vol. 187; p. 155.
- Wheaton, Charles A., Stockton, Cal. Spring-tire. No. 1,068,720; July 29; Gaz. vol. 192; p. 1106.
- Wheaton, Harold J., London, England, assignor to C. J. Blair, Chicago, Ill. Water-motor. No. 1,064,410; June 10; Gaz. vol. 191; p. 460.
- Wheelen, John J., Gardner, Mass. Sled. No. 1,060,523; Apr. 29; Gaz. vol. 189; p. 1231.
- Wheeler, Archer E. (See Bondy, James H., assignor.)
- Wheeler, Archer E. (See Wiggin and Wheeler.)
- Wheeler, Archer E., and M. W. Krejčí, Great Falls, Mont. Forming furnace-linings. No. 1,068,470; July 29; Gaz. vol. 192; p. 1019.
- Wheeler, Edwin B., Philadelphia, Pa. Metallic structural joint. No. 1,064,580; June 10; Gaz. vol. 191; p. 517.
- Wheeler, Enoch S., Centralia, Wash. Frying-pan. No. 1,055,500; Mar. 11; Gaz. vol. 188; p. 321.
- Wheeler, Frank, assignor to Genesee Valley Manufacturing Company, Mount Morris, N. Y. Furrow-opener for seed-ing-machines. No. 1,056,386; Mar. 18; Gaz. vol. 188; p. 651.
- Wheeler, George L., St. Louis, Mo. Automobile and car fender. No. 1,064,948; June 17; Gaz. vol. 191; p. 674.
- Wheeler, Harold S., Manistee, Mich. Means for cooling combustion-engines. No. 1,064,581; June 10; Gaz. vol. 191; p. 518.
- Wheeler, Harry E., assignor to The Turner, Vaughn & Taylor Company, Cuyahoga Falls, Ohio. Baling-machine. No. 1,062,066; May 20; Gaz. vol. 190; p. 588.
- Wheeler, Harry R., *et al.* (See Seamon, Percy R., assignor.)
- Wheeler, James A., Somerset county, N. J. Fireproof door. No. 1,049,429; Jan. 7; Gaz. vol. 186; p. 38.
- Wheeler, James F. (See Wheeler, Johnson, and Wheeler.)
- Wheeler, James F., Southport, assignor of one-half to A. Boice, Indianapolis, Ind. Shock-former. No. 1,080,034; Dec. 2; Gaz. vol. 197; p. 41.
- Wheeler, Joel N., Geneva, Ill. Child's sulky. No. 1,062,867; May 27; Gaz. vol. 190; p. 896.
- Wheeler, Joel N., Geneva, Ill. Child's sulky. No. 1,062,938; May 27; Gaz. vol. 190; p. 921.
- Wheeler, John R., A. C. Johnson, and J. F. Wheeler, Grand Valley, Colo. Gate. No. 1,053,259; Feb. 18; Gaz. vol. 187; p. 560.
- Wheeler, L. E. (See Weiss, George F., assignor.)
- Wheeler, Monroe M., Catawba, N. Y. Wine-clearing apparatus. No. 1,082,297; Dec. 23; Gaz. vol. 197; p. 910.
- Wheeler, Nelson A., and F. S. Holley, Stockton, Cal. Transmission mechanism. No. 1,049,628; Jan. 7; Gaz. vol. 186; p. 107.
- Wheeler, Newton T., Clearwater, Kans. Rake-cleaner. No. 1,070,214; Aug. 12; Gaz. vol. 193; p. 417.
- Wheeler, Omar A., Portland, Oreg. Mechanism for turning cuff-plies and the like. No. 1,050,074; Jan. 7; Gaz. vol. 186; p. 257.
- Wheeler, Orrin A., assignor of one-third to E. D. Lowenthal and one-third to B. Lowenthal, Chicago, Ill. Reclaiming rubber products. No. 1,049,955; Jan. 7; Gaz. vol. 186; p. 215.
- Wheeler & Schebler. (See Grimes, Charles P., assignor.)
- Wheeler, Seth, Castleton, N. Y. Paper-holder. No. 1,058,822; Apr. 15; Gaz. vol. 189; p. 573.
- Wheeler, Seth, Castleton, N. Y. Paper-roll holder. No. 1,060,049; Apr. 29; Gaz. vol. 189; p. 1067.
- Wheeler, Seth, Castleton, N. Y. Dispensing-cabinet. No. 1,060,725; May 6; Gaz. vol. 190; p. 56.
- Wheeler, Truzy, Alvarado, Tex. Cotton-chopper. No. 1,062,674; May 27; Gaz. vol. 190; p. 833.
- Wheeler, Walter, Des Moines, Iowa. Resilient wheel. No. 1,076,254; Oct. 21; Gaz. vol. 195; p. 626.
- Wheeler, William A. (See Hartlett and Wheeler.)
- Wheeler, William A. (See Siverd, William, assignor.)
- Wheeler, William H., Ennis, Tex. Food-tongs. No. 1,049,956; Jan. 7; Gaz. vol. 186; p. 215.
- Wheeler, William L., Scottville, Ill. Internal-combustion engine. No. 1,062,675; May 27; Gaz. vol. 190; p. 834.
- Wheeler, William L., Montgomery, Mo. Internal-combustion turbine-engine. No. 1,059,509; Apr. 22; Gaz. vol. 189; p. 847.
- Wheeler, William W., Meriden, Conn. Rotary engine. No. 1,060,390; Apr. 29; Gaz. vol. 189; p. 1186.
- Wheeling Corrugating Company. (See Crotsly, Ashel W., assignor.)
- Wheeling Corrugating Company. (See Hunker, Martin L., assignor.)

Alphabetical list of patentees—Continued.

- Wheeling Corrugating Company, The. (See Sawyer, Will M., assignor.)
- Wheeling Corrugating Company. (See Silk, Thomas, assignor.)
- Wheeling Stamping Company. (See Edwards, Alonzo L., assignor.)
- Wheelock, Carl M., Milwaukee, Wis., assignor to New Process Specialty Company. Combination gas and electric outlet clamp. No. 1,073,722; Sept. 23; Gaz. vol. 194; p. 802.
- Wheelock, De Forest A., assignor to Hammond Engineering Company, Warren, Pa. Liquid-purification apparatus. No. 1,065,992; July 1; Gaz. vol. 192; p. 31.
- Wheelock, Dickinson O. (See Wheelock, Edwin M., E. F., and D. O.)
- Wheelock, Edwin M., Winona, Minn. Traction-engine. No. 1,052,867; Feb. 11; Gaz. vol. 187; p. 381.
- Wheelock, Edwin M., Winona, Minn. Automatic steering device for motor-propelled vehicles. No. 1,052,868; Feb. 11; Gaz. vol. 187; p. 382.
- Wheelock, Edwin M., Winona, Minn. Automatic steering device for traction-engines. No. 1,052,869; Feb. 11; Gaz. vol. 187; p. 382.
- Wheelock, Edwin M., Winona, Minn. Wagon. No. 1,080,035; Dec. 2; Gaz. vol. 197; p. 41.
- Wheelock, Edwin M., Minneapolis, E. F. Wheelock, Northfield, and D. O. Wheelock, Minneapolis, Minn. Guide-wheel for plow-motors. No. 1,052,870; Feb. 11; Gaz. vol. 187; p. 382.
- Wheelock, Emery F. (See Wheelock, Edwin M., E. F., and D. O.)
- Wheelock, Frank H., Washington, D. C. Self-heating sad-iron. No. 1,070,645; Aug. 19; Gaz. vol. 193; p. 605.
- Wheelwright, Charles, Cincinnati, Ohio. Fold-up step-ladder. No. 1,067,853; July 22; Gaz. vol. 192; p. 769.
- Wheelwright, Joseph W. (See Ferguson and Wheelwright.)
- Wheildon, William M., Ashland, assignor to American Soda Fountain Company, Boston, Mass. Soda-fountain. No. 1,055,432; Mar. 11; Gaz. vol. 188; p. 299.
- Wheildon, William M., Ashland, assignor, by mesne assignments, to E. A. Filene, Boston, Mass. Combination-lock. No. 1,068,194; July 22; Gaz. vol. 192; p. 884.
- Whelan, Edward J., Washington, D. C. Playing-cards. No. 1,064,268; June 10; Gaz. vol. 191; p. 410.
- Whelan, Martin J. (See Frank, Gustav, assignor.)
- Welchel, Bert, assignor to A. C. Ayres, Indianapolis, Ind. Magneto construction. No. 1,050,503; Jan. 14; Gaz. vol. 186; p. 439.
- Whichello, Norman, Muskegon, Mich. Power-driven trolley for fixed-tongue-switch track systems. No. 1,064,411; June 10; Gaz. vol. 191; p. 460.
- Whigham, William, Pittsburgh, Pa. Tie-plate for railway-track constructions. No. 1,059,799; Apr. 22; Gaz. vol. 189; p. 942.
- Whipp, John, Rochdale, England. Means for attaching wheels to shafts. No. 1,050,190; Jan. 14; Gaz. vol. 186; p. 329.
- Whipple, Allen D., Milwaukee, Wis. Means for constructing concrete walls. No. 1,075,454; Oct. 14; Gaz. vol. 195; p. 326.
- Whipple, Allen D., and F. Christiansen, Milwaukee, Wis. Guide for concrete-forms. No. 1,053,461; Feb. 18; Gaz. vol. 187; p. 630.
- Whipple, Charles H., Detroit, Mich. Eccentric boring-tool holder. No. 1,051,531; Jan. 28; Gaz. vol. 186; p. 857.
- Whipple, Charles N., Grangeville, Idaho. Friction-gearing. No. 1,081,799; Dec. 16; Gaz. vol. 197; p. 709.
- Whipple, Dorris, New York, N. Y., assignor to Standard Chemical Company, Bayonne, N. J. Producing a resinous compound. No. 1,083,168; Dec. 30; Gaz. vol. 197; p. 1236.
- Whipple, Dorris, New York, N. Y., assignor to Standard Chemical Company, Bayonne, N. J. Resinous compound. No. 1,083,169; Dec. 30; Gaz. vol. 197; p. 1236.
- Whipple, Dorris, New York, N. Y., assignor to Standard Chemical Company, Bayonne, N. J. Resinous compound. No. 1,083,170; Dec. 30; Gaz. vol. 197; p. 1236.
- Whipple, Henry D., Brooklyn, N. Y. Reinforced-concrete retaining-wall. No. 1,058,211; Apr. 8; Gaz. vol. 189; p. 324.
- Whipple, Raymond T., San Jose, Cal. Automobile cut-out. No. 1,074,762; Oct. 7; Gaz. vol. 195; p. 61.
- Whisner, Samuel E., Verona, Pa. Perforation device for wall-paper. No. 1,072,890; Sept. 9; Gaz. vol. 194; p. 450.
- Whistler, David B. (See Ohmer, Whistler, and McAllister.)
- Whistler, Thomas D., Pimlico, London, England. Fishing-rod. No. 1,056,870; Mar. 25; Gaz. vol. 188; p. 850.
- Whistler, Thomas D., Pimlico, London, England. Fishing-rod. No. 1,063,402; June 3; Gaz. vol. 191; p. 79.
- Whitacre, James E., Rockford, Ill. Carbureter. No. 1,063,900; June 3; Gaz. vol. 191; p. 250.
- Whitaker, Albert S., *et al.* (See Wefel, William C. H., assignor.)
- Whitaker, Frank M., Vivian, S. D. Draft appliance. No. 1,067,701; July 15; Gaz. vol. 192; p. 685.
- Whitaker, Louis P. (See Whiting and Whitaker.)
- Whitaker, Louis P., New York, N. Y., assignor to S. R. Dresser Manufacturing Company, Bradford, Pa. Wrought-metal ring for pipe-couplings. No. 1,061,712; May 13; Gaz. vol. 190; p. 432.
- Whitaker, Richard, assignor, by mesne assignments, to The Emergency Horseshoe Company, New Brunswick, N. J. Horse-overshoe. No. 1,068,471; July 29; Gaz. vol. 192; p. 1019.
- Whitaker, Samuel R., *et al.* (See Wefel, William C. H., assignor.)
- Whitaker, Samuel T., assignor of one-third to T. W. Bates and one-third to E. B. Reed, Columbus, Ga. Foot-rest. No. 1,051,656; Jan. 28; Gaz. vol. 186; p. 899.
- Whitaker, Samuel T., assignor of one-third to T. W. Bates and one-third to E. B. Reed, Columbus, Ga. Cabinet-table. No. 1,051,793; Jan. 28; Gaz. vol. 186; p. 942.
- Whitaker, Samuel T., assignor of one-third to T. W. Bates and one-third to E. B. Reed, Columbus, Ga. Article of furniture. No. 1,055,109; Mar. 4; Gaz. vol. 188; p. 154.
- Whitaker, Vance, St. Louis, Mo. Street-car fare-box. No. 1,072,891; Sept. 9; Gaz. vol. 194; p. 450.
- Whitaker, William A., Springfield, Mo. Propelling device of polycycles. No. 1,058,123; Apr. 8; Gaz. vol. 189; p. 294.
- Whitall-Tatum Company. (See Meinecke, Christian W., assignor.)
- Whitall, William V. (See Carlson, Gustave, assignor.)
- Whitbeck, Neal W., Detroit, Mich. Valve. No. 1,060,219; Apr. 29; Gaz. vol. 189; p. 1125.
- Whitcomb, Alonzo W., Worcester, Mass. Friction-clutch. No. 1,049,957; Jan. 7; Gaz. vol. 186; p. 215.
- Whitcomb, Alonzo W., Worcester, Mass., assignor to Whitcomb-Blaisdell Machine Tool Company. Automatic compensating magnetic clutch. No. 1,056,242; Mar. 18; Gaz. vol. 188; p. 605.
- Whitcomb, Alonzo W., Worcester, Mass., assignor to Whitcomb-Blaisdell Machine Tool Company. Double-acting clutch. No. 1,056,243; Mar. 18; Gaz. vol. 188; p. 605.
- Whitcomb-Blaisdell Machine Tool Company. (See Whitcomb, Alonzo W., assignor.)
- Whitcomb, Guy M., Lynn, Mass. Can-opener. No. 1,052,297; Feb. 4; Gaz. vol. 187; p. 155.
- Whitcomb, Harris M., Albany, Wis. Shop-door latch. No. 1,064,800; June 17; Gaz. vol. 191; p. 626.
- Whitcomb, Lawrence, Brookline, assignor to The Cork Insert Company, Boston, Mass. Friction member for clutches. No. 1,081,998; Dec. 23; Gaz. vol. 197; p. 805.
- Whitcomb, Lawrence, Brookline, assignor to The Cork Insert Company, Boston, Mass. Friction device. No. 1,081,999; Dec. 23; Gaz. vol. 197; p. 805.
- Whitcomb, Marcellus L., Seattle, Wash. Filing-case. No. 1,073,198; Sept. 16; Gaz. vol. 194; p. 594.
- Whitcomb, Russell, Elizabeth, N. J. Animated sign. No. 1,082,785; Dec. 30; Gaz. vol. 197; p. 1111.
- Whitcomb, William C. (See Eckert and Whitcomb.)
- Whitcomb, William C., Rochelle, Ill., assignor to G. D. Whitcomb Co. Mine-locomotive. No. 1,055,845; Mar. 11; Gaz. vol. 188; p. 436.
- Whitcomb, William W., Brookline, Mass. Friction device. No. 1,082,834; Dec. 30; Gaz. vol. 197; p. 1128.
- White, Alexander P., Caldwell, N. J. Lathing. No. 1,049,629; Jan. 7; Gaz. vol. 186; p. 108.
- White, Alexander P., Caldwell, N. J. Building material. No. 1,049,630; Jan. 7; Gaz. vol. 186; p. 108.
- White, Alexander P., Caldwell, N. J. Building material. No. 1,049,631; Jan. 7; Gaz. vol. 186; p. 108.
- White, Arthur, Sheboygan Falls, Wis. Reinforced structural building-section. No. 1,067,854; July 22; Gaz. vol. 192; p. 770.
- White, Ben C., Shinnston, W. Va. Nut-lock. No. 1,058,124; Apr. 8; Gaz. vol. 189; p. 295.
- White, Benjamin F., Philadelphia, Pa., assignor, by mesne assignments, to International Window Manufacturing Company, Dover, Del. Window-pivot. No. 1,055,110; Mar. 4; Gaz. vol. 188; p. 154.
- White, Charles, Baltimore, Md. Piston-packing. No. 1,064,269; June 10; Gaz. vol. 191; p. 411.
- White, Charles, Baltimore, Md. Gas-engine governor. No. 1,071,193; Aug. 26; Gaz. vol. 193; p. 821.
- White, Charles E., Moline, Ill. Side-delivery hay-rake. No. 1,055,846; Mar. 11; Gaz. vol. 188; p. 437.
- White, Charles E., assignor to Deere & Mansur Company, Moline, Ill. Beet-cultivator. No. 1,057,022; Mar. 25; Gaz. vol. 188; p. 903.
- White, Charles E., and G. Elliott, Washington, D. C. Article-holding device. No. 1,072,680; Sept. 9; Gaz. vol. 194; p. 374.
- White, Charles J., assignor to C. J. White Manufacturing Company, New Britain, Conn. Elastic fabric or webbing. (Reissue.) No. 13,606; Aug. 12; Gaz. vol. 193; p. 477.
- White, Charles S., Oakland, assignor of one-half to A. Hunker, Berkeley, Cal. Faucet. No. 1,082,575; Dec. 30; Gaz. vol. 197; p. 1037.
- White, Clarence H. (See Lanoue, John B., assignor.)
- White Company, The. (See Entz, Justus B., assignor.)
- White Company, The. (See White, Rollin H., assignor.)
- White, Cora M., *et al.* (See White, Thomas J., assignor.)
- White, Edmond R., Plattsburg, N. Y. Spring-wheel. No. 1,082,380; Dec. 23; Gaz. vol. 197; p. 938.

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- White, Edward E. (See Mineart and White.)
- White, Edward E., Brighton, Iowa. Land-marking attachment for corn-planters. No. 1,053,078; Feb. 11; Gaz. vol. 187; p. 454.
- White, Edward E., Brighton, Iowa. Fly-paper holder. No. 1,066,351; July 1; Gaz. vol. 192; p. 158.
- White, Edward Y., San Antonio, Tex. Frame for motorcycles. No. 1,075,886; Oct. 14; Gaz. vol. 195; p. 472.
- White, Ellis, Hoquiam, Wash. Attachment for flat-cars. No. 1,073,006; Sept. 9; Gaz. vol. 194; p. 492.
- White, Elizabeth, Boone, Iowa. Fly-screen. No. 1,057,310; Mar. 25; Gaz. vol. 188; p. 1001.
- White, Ernest M., Globe, Ariz. Oiling system for engines. No. 1,060,653; May 6; Gaz. vol. 190; p. 30.
- White, Ernest M., Globe, Ariz. Splash system of lubrication. (Reissue.) No. 13,651; Nov. 18; Gaz. vol. 196; p. 782.
- White, Ernest V., Welland, Ontario, Canada. Earpiece for eyeglasses. No. 1,069,833; Aug. 12; Gaz. vol. 193; p. 286.
- White, Floyd H., Duke, Okla. Spring-wheel. No. 1,062,676; May 27; Gaz. vol. 190; p. 834.
- White, Frank C., assignor to The Wilcox & White Company, Meriden, Conn. Automatic pedal-folder for player-pianos and the like. No. 1,077,499; Nov. 4; Gaz. vol. 196; p. 92.
- White, Frank C., assignor to The Wilcox & White Company, Meriden, Conn. Governor and regulator for mechanical music-playing instruments. No. 1,082,665; Dec. 30; Gaz. vol. 197; p. 1068.
- White, Frank C., assignor to The Wilcox & White Company, Meriden, Conn. Regulator for a pneumatic circuit. No. 1,082,666; Dec. 30; Gaz. vol. 197; p. 1068.
- White, Franklin R., assignor to The Platt Brothers and Company, Waterbury, Conn. Button. No. 1,053,260; Feb. 18; Gaz. vol. 187; p. 561.
- White, Franklin R., Watertown, assignor to The Patent Button Company, Waterbury, Conn. Button. No. 1,071,123; Aug. 26; Gaz. vol. 193; p. 799.
- White, Franklin R., assignor to Patent Button Company, Waterbury, Conn. Button-feeding mechanism for bar-button-attaching machines. No. 1,079,967; Dec. 2; Gaz. vol. 197; p. 16.
- White, Franklin R., Watertown, assignor to Patent Button Company, Waterbury, Conn. Button and staple feeding mechanism for button-attaching machines. No. 1,079,968; Dec. 2; Gaz. vol. 197; p. 16.
- White, Gaston D., Partola, Cal. Car-fender. No. 1,050,412; Jan. 14; Gaz. vol. 186; p. 405.
- White, George C., Trenton, N. J. Hat-retainer. No. 1,068,550; July 29; Gaz. vol. 192; p. 1045.
- White, George J., Washington, Pa. Wrench. No. 1,062,207; May 20; Gaz. vol. 190; p. 637.
- White, Harry B., Canton, Ohio. Hammer. No. 1,061,512; May 13; Gaz. vol. 190; p. 361.
- White, Harry B., assignor to The Gilliam Manufacturing Company, Canton, Ohio. Saddle-tree. No. 1,055,248; Mar. 4; Gaz. vol. 188; p. 198.
- White, Henry. (See Jennings and White.)
- White, Henry. (See Lawrence and White.)
- White, Henry J., Morristown, N. J., assignor to T. M. Duche & Sons, New York, N. Y. Machine for slitting and winding sheet metal. No. 1,075,679; Oct. 14; Gaz. vol. 195; p. 403.
- White, Henry J., Morristown, N. J., assignor to T. M. Duche & Sons, New York, N. Y. Expansible mandrel. No. 1,077,110; Oct. 28; Gaz. vol. 195; p. 980.
- White, Henry L., et al. (See Hollingsworth, Ross, assignor.)
- White, Herbert E., assignor to The General Fireproofing Company, Youngstown, Ohio. Sheet-metal slitting and punching machine. No. 1,049,632; Jan. 7; Gaz. vol. 186; p. 108.
- White, Herbert E., assignor to The General Fireproofing Company, Youngstown, Ohio. Making ribbed sheet metal. No. 1,056,871; Mar. 25; Gaz. vol. 188; p. 850.
- White, Herbert E., assignor to The General Fireproofing Company, Youngstown, Ohio. Machine for making ribbed sheet metal. No. 1,056,962; Mar. 25; Gaz. vol. 188; p. 882.
- White, Herbert E., assignor to The General Fireproofing Company, Youngstown, Ohio. Manufacturing expanded-metal structures. No. 1,057,694; Apr. 1; Gaz. vol. 189; p. 102.
- White, Herbert E., assignor to The General Fireproofing Company, Youngstown, Ohio. Metal-expanding machine. No. 1,061,953; May 13; Gaz. vol. 190; p. 508.
- White, Herbert E., assignor to The General Fireproofing Company, Youngstown, Ohio. Clip for fastening certain forms of metallic lathing to beams, girders, and the like in building constructions. No. 1,075,802; Oct. 14; Gaz. vol. 195; p. 445.
- White, Herbert H., Brookline, assignor to Auto Wind Shield Company, Cambridge, Mass. Wind-shield. No. 1,059,017; Apr. 15; Gaz. vol. 189; p. 642.
- White, Howard J., San Francisco, Cal. Telephone system. No. 1,058,505; Apr. 8; Gaz. vol. 189; p. 426.
- White, Howard J., San Francisco, Cal. Box for electric conduits. No. 1,078,181; Nov. 11; Gaz. vol. 196; p. 354.
- White, James, Philadelphia, Pa. Soldering-iron. No. 1,065,195; June 17; Gaz. vol. 191; p. 754.
- White, James C., Sewickley, Pa. Building-block. No. 1,073,723; Sept. 23; Gaz. vol. 194; p. 802.
- White, James D., Niagara Falls, N. Y. Storage battery. No. 1,050,887; Jan. 21; Gaz. vol. 186; p. 603.
- White, Jesse A., Wilsey, Kans. Wire-stretcher. No. 1,062,939; May 27; Gaz. vol. 190; p. 921.
- White, Jesse M., Philadelphia, Pa. Valve-operating mechanism for internal-combustion engines. No. 1,073,882; Sept. 23; Gaz. vol. 194; p. 854.
- White, John E., Rochester, N. Y. Device for removing hairs. No. 1,071,978; Sept. 2; Gaz. vol. 194; p. 105.
- White, John F., Pittsburgh, Pa. Mechanical piano-player. No. 1,055,847; Mar. 11; Gaz. vol. 188; p. 437.
- White, John F., Chicago, Ill. Collapsible berry-box. No. 1,069,834; Aug. 12; Gaz. vol. 193; p. 286.
- White, John G., Newberry, Fla. Variable-speed-transmission mechanism. No. 1,050,888; Jan. 21; Gaz. vol. 186; p. 604.
- White, John H., assignor of one-half to T. Edvenson, Gallipolis, Ohio. Nut-lock. No. 1,057,311; Mar. 25; Gaz. vol. 188; p. 1001.
- White, Joseph, Piscataway township, Middlesex county, N. J. Sheet-gripper mechanism. No. 1,050,191; Jan. 14; Gaz. vol. 186; p. 329.
- White, Joseph, Piscataway township, Middlesex county, assignor to Hall Printing Press Company, Dunellen, N. J. Sheet-delivery mechanism. No. 1,080,036; Dec. 2; Gaz. vol. 197; p. 41.
- White, Joseph A., assignor to The Moore and White Company, Philadelphia, Pa. Lay-boy. No. 1,057,601; Apr. 1; Gaz. vol. 189; p. 70.
- White, Joseph A., assignor to The Moore and White Company, Philadelphia, Pa. Paper slitting and winding machine. No. 1,063,093; May 27; Gaz. vol. 190; p. 971.
- White, Joseph C., Chelsea, assignor to White-Merrill Company, Boston, Mass. Firearm. No. 1,052,394; Feb. 4; Gaz. vol. 187; p. 187.
- White, Joseph C., Chelsea, assignor to White-Merrill Company, Boston, Mass. Firearm. No. 1,073,452; Sept. 16; Gaz. vol. 194; p. 685.
- White, Kirk H., Oswego, assignor of one-half to M. S. Ely, New York, N. Y. Union suit. No. 1,057,602; Apr. 1; Gaz. vol. 189; p. 71.
- White, Leonard E. (See Lasares, George C., assignor.)
- White, Lester E., et al. (See Daoust, John, assignor.)
- White, Linn, and H. S. Richards, assignors to Twentieth Century Portable Paving Machine Company, Chicago, Ill. Apparatus for preparing paving material. No. 1,058,342; Apr. 8; Gaz. vol. 189; p. 370.
- White, Lorin E., Guthrie, Okla. Rail-spike. No. 1,055,375; Mar. 11; Gaz. vol. 188; p. 280.
- White-Merrill Company. (See White, Joseph C., assignor.)
- White, Morris C. (See Duryea and White.)
- White, Morris C., and O. C. Duryea, Chicago, Ill. Power device. No. 1,054,728; Mar. 4; Gaz. vol. 188; p. 25.
- White, Morris C., and O. C. Duryea, Chicago, Ill. Forging-press. No. 1,063,632; June 3; Gaz. vol. 191; p. 160.
- White, Morris C., and O. C. Duryea, Chicago, Ill. Power device. No. 1,068,195; July 22; Gaz. vol. 192; p. 885.
- White, Richard P., Chicago, Ill. Tank-car for transporting granulated sugar in bulk. No. 1,050,889; Jan. 21; Gaz. vol. 186; p. 604.
- White, Robert, St. Paul, Minn. Vegetable-picker. No. 1,072,065; Sept. 2; Gaz. vol. 194; p. 135.
- White, Rollin H., Cleveland Heights Village, assignor to The White Company, Cleveland, Ohio. Carbureter. No. 1,051,041; Jan. 21; Gaz. vol. 186; p. 659.
- White, Rollin H., assignor to The White Company, Cleveland, Ohio. Hydrocarbon-burner. No. 1,054,066; Feb. 25; Gaz. vol. 187; p. 872.
- White, Rollin H., assignor to The White Company, Cleveland, Ohio. Automobile-brake. No. 1,063,485; June 3; Gaz. vol. 191; p. 106.
- White, Rollin H., Cleveland Heights, assignor to The White Company, Cleveland, Ohio. Dumping-truck. No. 1,069,749; Aug. 12; Gaz. vol. 193; p. 258.
- White, Rollin H., assignor to The White Company, Cleveland, Ohio. Automobile wheel-brake. No. 1,078,976; Nov. 18; Gaz. vol. 196; p. 660.
- White, Roscoe B., Syracuse, N. Y. Music-leaf turner. No. 1,067,954; July 22; Gaz. vol. 192; p. 802.
- White, Samuel T., Davenport, Iowa. Mechanical movement for washing-machines. No. 1,056,872; Mar. 25; Gaz. vol. 188; p. 851.
- White, Samuel T., Davenport, Iowa. Mechanical movement for washing-machines. No. 1,079,460; Nov. 25; Gaz. vol. 196; p. 857.
- White Sewing Machine Company, The. (See Grothe and Huffman, assignors.)
- White-Stone Marble Company. (See Pratt, Nathaniel P., assignor.)
- White, Thomas F., assignor of one-half to O. Fuhrman, Washington, D. C. Music-leaf turner. No. 1,059,800; Apr. 22; Gaz. vol. 189; p. 943.
- White, Thomas H., Pendleton, Salford, England. Hot-water injector. No. 1,082,220; Dec. 23; Gaz. vol. 197; p. 880.

Alphabetical list of patentees—Continued.

- White, Thomas J., assignor of one-fourth to J. D. Gazzolo and three-fourths to C. M. White, Chicago, Ill. Face-mask. No. 1,060,220; Apr. 29; Gaz. vol. 189; p. 1125.
- White, Tilman, Berkeley, assignor of two-thirds to G. C. Morgan, Oakland, Cal. Valve. No. 1,076,802; Oct. 28; Gaz. vol. 195; p. 874.
- White, Ulysses G., Boulder, Mont. Airship. No. 1,059,247; Apr. 15; Gaz. vol. 189; p. 719.
- White, Walter T., St. John, New Brunswick, Canada. Vacuum-cleaner. No. 1,064,412; June 10; Gaz. vol. 191; p. 461.
- White, William, London, England, assignor of one-half to F. E. Brown, Sydney, New South Wales, Australia. Cooking-stove. No. 1,079,084; Nov. 18; Gaz. vol. 196; p. 699.
- White, William A. (See Keller, Eugene W., assignor.)
- White, William A., New York, N. Y. Furnace-front. No. 1,082,835; Dec. 30; Gaz. vol. 197; p. 1128.
- White, William A., and W. F. Schmidt, East Rand, Transvaal. Tube-mill lining. No. 1,068,289; July 22; Gaz. vol. 192; p. 919.
- White, William A., and W. C. Wallace, New York, N. Y.; said Wallace assignor to said White. Furnace-front. No. 1,082,576; Dec. 30; Gaz. vol. 197; p. 1037.
- White, William B., *et al.* (See Hollingsworth, Ross, assignor.)
- White, William H., assignor of one-half to W. B. White, Hazleton, and one-third to J. M. and M. Schappert, Dorranceton, Pa. Tempering copper. No. 1,062,067; May 20; Gaz. vol. 190; p. 588.
- White, William H., Milwaukee, Wis. Hydraulic nozzle. No. 1,062,958; Mar. 11; Gaz. vol. 188; p. 473.
- White, William M., Milwaukee, Wis. Life-saving device. No. 1,061,209; May 6; Gaz. vol. 190; p. 222.
- White, William M., Milwaukee, Wis. Spiral casing. No. 1,076,617; Oct. 21; Gaz. vol. 195; p. 756.
- White, William N., Fortyfort, Pa. Traveling chute for coal-pockets. No. 1,061,151; May 6; Gaz. vol. 190; p. 202.
- White, Winifred B., *et al.* (See White, William H., assignor.)
- Whited, O. O., *et al.* (See Brown, Haughton, assignor.)
- Whiteford, David, Chicago, Ill. Water-heater. No. 1,060,148; Apr. 29; Gaz. vol. 189; p. 1100.
- Whitehart, Howard, *et al.* (See Weston, Roddy V., assignor.)
- Whitehead, Charles E., Bellevue borough, Pa. Nut-lock structure. No. 1,075,617; Oct. 14; Gaz. vol. 195; p. 382.
- Whitehead & Hoag Company, The. (See Whitehead, Raymond B., assignor.)
- Whitehead, Hugh H., Anna Maria, Fla. Mechanical movement. No. 1,076,179; Oct. 21; Gaz. vol. 195; p. 601.
- Whitehead, John, assignor to The Payson Manufacturing Company, Chicago, Ill. Mechanism for operating windows in series. No. 1,075,618; Oct. 14; Gaz. vol. 195; p. 382.
- Whitehead, John B., Baltimore, Md. High-voltage-measuring instrument. No. 1,059,095; Apr. 15; Gaz. vol. 189; p. 669.
- Whitehead, John B., Baltimore, Md. System of electrical transmission. No. 1,078,711; Nov. 18; Gaz. vol. 196; p. 570.
- Whitehead, Leo S., Wheeling, W. Va. Wrench. No. 1,053,079; Feb. 11; Gaz. vol. 187; p. 454.
- Whitehead, Leo S., Wheeling, W. Va. Vise. No. 1,055,959; Mar. 11; Gaz. vol. 188; p. 474.
- Whitehead, Mary J., Philadelphia, Pa. Attachment for umbrellas and the like. No. 1,061,029; May 6; Gaz. vol. 190; p. 164.
- Whitehead, Raymond B., assignor to The Whitehead & Hoag Company, Newark, N. J. Watch-fob. No. 1,077,025; Oct. 28; Gaz. vol. 195; p. 954.
- Whitehead, Samuel. (See Klaber and Whitehead.)
- Whitehead, Thomas, Blackpool, England. Elastic wheel. No. 1,051,178; Jan. 21; Gaz. vol. 186; p. 705.
- Whitehill, David B., North Clarendon, Pa. Clutch-actuating device. No. 1,062,625; May 27; Gaz. vol. 190; p. 817.
- Whitehouse, John N., New York, N. Y. Toy. No. 1,063,403; June 3; Gaz. vol. 191; p. 79.
- Whitehurst, G. A., *et al.* (See Burling, Charles S., assignor.)
- Whiteman, George W., Philadelphia, Pa. Tie. No. 1,065,647; June 24; Gaz. vol. 191; p. 946.
- Whiteman, Owen L., Cossackie, N. Y. Check-valve. No. 1,052,633; Feb. 11; Gaz. vol. 187; p. 302.
- Whitfield, Arthur J., Boston, assignor to Trimont Manufacturing Company, Roxbury, Mass. Chain-wrench. No. 1,064,036; June 10; Gaz. vol. 191; p. 331.
- Whitfield, William, Chicago, Ill. Can-opener. No. 1,052,298; Feb. 4; Gaz. vol. 187; p. 156.
- Whitford, John W., Jersey City, N. J., assignor to Davis-Bournonville Company, New York, N. Y. Machine for cutting and welding metals by means of gases. No. 1,068,721; July 29; Gaz. vol. 192; p. 1106.
- Whitin, George M., assignor to The Whitin Machine Works, Whitinsville, Mass. Spindle. No. 1,074,996; Oct. 7; Gaz. vol. 195; p. 138.
- Whitin, James E., *et al.*, trustees. (See Felton, William H. D., assignor.)
- Whitin, James E., *et al.*, trustees. (See Whittall, Matthew J., assignor.)
- Whitin Machine Works. (See Jeffers, Jesse, assignor.)
- Whitin Machine Works, The. (See Owen, Henry A., assignor.)
- Whitin Machine Works, The. (See Rooney, Edwin A., assignor.)
- Whitin Machine Works, The. (See Rooney, Elwin H., assignor.)
- Whitin Machine Works, The. (See Rooney, Luke H., assignor.)
- Whitin Machine Works, The. (See Whitin, George M., assignor.)
- Whiting, Charles D., Nashua, N. H., assignor to Draper Company, Hopedale, Mass. Loom-temple. No. 1,055,585; Mar. 11; Gaz. vol. 188; p. 348.
- Whiting, Edmund H., Providence, R. I. Vehicle-wheel. No. 1,076,255; Oct. 21; Gaz. vol. 195; p. 626.
- Whiting, Guy F., and L. P. Whitaker, assignors to The Pneumatic Tobacco Stemmer Co., Washington, D. C. Feeding device for tobacco-leaves. No. 1,058,823; Apr. 15; Gaz. vol. 189; p. 573.
- Whiting, Horatio, New York, N. Y. Making collars. No. 1,066,967; July 8; Gaz. vol. 192; p. 399.
- Whiting, John H., Buffalo, N. Y. Engine-governor. No. 1,070,646; Aug. 19; Gaz. vol. 193; p. 606.
- Whiting, Lewis S., and W. M. Koppes, assignors to The Aultman & Taylor Machinery Company, Mansfield, Ohio. Auxiliary cleaning means for bean and pea hullers. No. 1,074,227; Sept. 30; Gaz. vol. 194; p. 1000.
- Whiting, Max A., Schenectady, N. Y., assignor to General Electric Company. Motor control. No. 1,071,840; Sept. 2; Gaz. vol. 194; p. 59.
- Whiting, Nathan C., assignor of one-fourth to C. C. Hairston, Glouster, Ohio. Motor-tricycle. No. 1,055,960; Mar. 11; Gaz. vol. 188; p. 474.
- Whiting, Richard R., Norwood, Ohio. Card-exhibiting device. No. 1,062,068; May 20; Gaz. vol. 190; p. 588.
- Whitley, Alfred A., East View, Bury, England. Clip for use in stentering-machines. No. 1,050,755; Jan. 14; Gaz. vol. 186; p. 521.
- Whitlock, Wilmore B., Richmond, Va. Supporter. No. 1,074,147; Sept. 30; Gaz. vol. 194; p. 973.
- Whitman Agricultural Co. (See Secord and Orr, assignors.)
- Whitman, Alfred R., Berkeley, Cal. Reel-actuating device for cameras. No. 1,062,313; May 20; Gaz. vol. 190; p. 673.
- Whitman, Charles R., Chicago, Ill. Collar attachment. No. 1,079,085; Nov. 18; Gaz. vol. 196; p. 700.
- Whitman & Co., Clarence. (See Schoenfeldt, Alfred, assignor.)
- Whitman, Frank, Ypsilanti, Mich. Emergency-nut. No. 1,071,841; Sept. 2; Gaz. vol. 194; p. 60.
- Whitman, Frank B., and A. D. Roberts, Rock Falls, Ill. Carousel. No. 1,068,472; July 29; Gaz. vol. 192; p. 1020.
- Whitman, Henry L., St. Louis, Mo. Baling-press. No. 1,059,248; Apr. 15; Gaz. vol. 189; p. 720.
- Whitmer, Arthur K., Canton, Ohio. Fireless cooker. No. 1,049,633; Jan. 7; Gaz. vol. 186; p. 109.
- Whitmer, Earl C., Wilton Junction, Iowa. Burial casing or vault. No. 1,060,050; Apr. 29; Gaz. vol. 189; p. 1068.
- Whitmore, Edward E. (See Forsyth and Whitmore.)
- Whitmore, Edward E., assignor to The Curtain Supply Company, Chicago, Ill. Window-sash balance. No. 1,058,824; Apr. 15; Gaz. vol. 189; p. 574.
- Whitmore, Edward E., assignor to The Curtain Supply Company, Chicago, Ill. Extensible curtain-roller. No. 1,068,030; July 22; Gaz. vol. 192; p. 829.
- Whitmore, Edward E., Chicago, Ill., assignor to The Curtain Supply Company, Newark, N. J. Curtain-roller. No. 1,076,728; Oct. 28; Gaz. vol. 195; p. 848.
- Whitmore, Edward E., Chicago, Ill., assignor to The Curtain Supply Company, Newark, N. J. Vestibule-curtain mounting. No. 1,077,660; Nov. 4; Gaz. vol. 196; p. 144.
- Whitmore, Edward E., Chicago, Ill., assignor to The Curtain Supply Company, Newark, N. J. Hood for car-diaphragms. No. 1,078,757; Nov. 18; Gaz. vol. 196; p. 586.
- Whitmore, Edward E., Chicago, Ill., assignor to The Curtain Supply Company, Newark, N. J. Car-diaphragm. No. 1,078,758; Nov. 18; Gaz. vol. 196; p. 586.
- Whitmore, Fred A., Philadelphia, Pa., assignor to Crompton & Knowles Loom Works. Color-carriage-operating mechanism for tapestry-printing drums. No. 1,050,075; Jan. 7; Gaz. vol. 186; p. 257.
- Whitmore, Fred A., Philadelphia, Pa., assignor to Crompton & Knowles Loom Works. Shipping and brake mechanism for looms. No. 1,070,215; Aug. 12; Gaz. vol. 193; p. 417.
- Whitmore, Frederick C., New York, N. Y., assignor to Display Vending Co. Vending-machine. No. 1,075,527; Oct. 14; Gaz. vol. 195; p. 351.
- Whitney, Arthur E. (See Whitney, Robert F., assignor.)

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- Whitney, Asa N., Melbourne, Victoria, Australia. Rifle-range, target, and the like. No. 1,061,577; May 13; Gaz. vol. 190; p. 386.
- Whitney Duplicating Check Company. (See Whitney, Linwood G., assignor.)
- Whitney, Eddy R., Lynn, Mass., assignor to General Electric Company. Attachment for planers, &c. No. 1,057,023; Mar. 25; Gaz. vol. 188; p. 904.
- Whitney, Eddy R., assignor to Commercial Truck Company of America, Philadelphia, Pa. Motor-vehicle. No. 1,065,413; June 24; Gaz. vol. 191; p. 867.
- Whitney, Eddy R., and E. S. Hare, assignors to Commercial Truck Company of America, Philadelphia, Pa. Lamp-trimmer's wagon. No. 1,053,080; Feb. 11; Gaz. vol. 187; p. 455.
- Whitney, Edwin H., Somerville, assignor to American Water-Supply Company of New England, Boston, Mass. Automatic machine for making paper drinking-cups. No. 1,082,836; Dec. 30; Gaz. vol. 197; p. 1128.
- Whitney, Henry B., assignor to F. E. Long, Detroit, Mich. Device for assembling ball-bearings. No. 1,074,228; Sept. 30; Gaz. vol. 194; p. 1000.
- Whitney, Horace E., Cambridge, Mass., assignor to Dover Stamping & Manufacturing Company, Portland, Me. Tire-tube tester. No. 1,071,124; Aug. 26; Gaz. vol. 193; p. 799.
- Whitney, Linwood G., assignor to Whitney Duplicating Check Company, New York, N. Y. Manifolding sales-book. No. 1,065,751; June 24; Gaz. vol. 191; p. 981.
- Whitney, Marion T., Chitwood, Oreg. Automatic shade-roller. No. 1,057,603; Apr. 1; Gaz. vol. 189; p. 71.
- Whitney Metal Tool Company. (See Whitney, William A., assignor.)
- Whitney Refrigeration Company. (See Whitney, William C., assignor.)
- Whitney, Robert F., Winchester, Mass. Hide-working machine. No. 1,068,032; July 22; Gaz. vol. 192; p. 829.
- Whitney, Robert F., Winchester, Mass. Hide-working machine. No. 1,075,887; Oct. 14; Gaz. vol. 195; p. 473.
- Whitney, Robert F., assignor of one-half to A. E. Whitney, Winchester, Mass. Hide-working machine. No. 1,068,031; July 22; Gaz. vol. 192; p. 829.
- Whitney, William A., Rockford, Ill., assignor to Whitney Metal Tool Company. Ratchet-wrench. No. 1,050,583; Jan. 14; Gaz. vol. 186; p. 466.
- Whitney, William A., Rockford, Ill., assignor to Whitney Metal Tool Company. Hand metal-punch. No. 1,065,752; June 24; Gaz. vol. 191; p. 982.
- Whitney, William A., Rockford, Ill., assignor to Whitney Metal Tool Company. Hand metal-shears. No. 1,065,753; June 24; Gaz. vol. 191; p. 982.
- Whitney, William C., Newburgh, N. Y., assignor to Whitney Refrigeration Company. Motor mechanism. No. 1,063,168; May 27; Gaz. vol. 190; p. 996.
- Whitney, William M. (See Sawyer, Willard N., assignor.)
- Whitney, Willis R., Schenectady, N. Y., assignor to General Electric Company. Means for providing constant and known high temperatures. No. 1,064,037; June 10; Gaz. vol. 191; p. 331.
- Whiton, Lucius E., New London, Conn. Forming bearings. No. 1,049,958; Jan. 7; Gaz. vol. 186; p. 215.
- Whitridge, John C., and G. T. Johnson, assignors to The Buckeye Steel Castings Company, Columbus, Ohio. Car-truck. No. 1,079,199; Nov. 18; Gaz. vol. 196; p. 740.
- Whitright, Samuel L., Waterbury, Conn. Dental cotton-holder. No. 1,078,230; Nov. 11; Gaz. vol. 196; p. 370.
- Whitson, James T. (See Hayes, John, assignor.)
- Whittaker, Arnold R. (See Jeavons and Whittaker.)
- Whittaker, John. (See Mitchell, Barker, and Whittaker.)
- Whittaker, Sallie F., et al. (See Byrd, Oscar O., assignor.)
- Whittaker, Samuel F., et al. (See Byrd, Oscar O., assignor.)
- Whittall, Matthew J., et al., trustees. (See Felton, William H. D., assignor.)
- Whittall, Matthew J., Worcester, Mass. Rug and making it. No. 1,082,837; Dec. 30; Gaz. vol. 197; p. 1129.
- Whittall, Matthew J., assignor to M. J. and M. P. Whittall, Worcester, and J. E. Whittin, Uxbridge, Mass., trustees. Weaving. No. 1,066,689; July 8; Gaz. vol. 192; p. 304.
- Whittall, Matthew P., et al., trustees. (See Felton, William H. D., assignor.)
- Whittall, Matthew P., et al., trustees. (See Whittall, Matthew J., assignor.)
- Whitted, Eddie G. (See Whitted, Thomas and E. G.)
- Whitted, Thomas and E. G., Narcoossee, Fla. Rake. No. 1,078,231; Nov. 11; Gaz. vol. 196; p. 371.
- Whitteker, Ari C. (See Beck, Astridge, and Whitteker.)
- Whitten, Eugene A., Maricopa, Cal. Hydrocarbon-burner. No. 1,080,244; Dec. 2; Gaz. vol. 197; p. 114.
- Whitten, William W. (See Hall, Alfred, assignor.)
- Whittingham, George H. (See Holmes and Whittingham.)
- Whittingham, George H., Pikesville, Md., assignor to Monitor Manufacturing Company of Baltimore City, Baltimore, Md. Reversible electric motor. No. 1,070,647; Aug. 19; Gaz. vol. 193; p. 606.
- Whittingham, George H., assignor to Monitor Manufacturing Company of Baltimore City, Baltimore, Md. Control system for induction-motors. No. 1,070,648; Aug. 19; Gaz. vol. 193; p. 607.
- Whittinghill, James, and E. W. Richmond, Advance, Mo. Rotary explosive-engine. No. 1,054,729; Mar. 4; Gaz. vol. 188; p. 26.
- Whittington, George W., assignor to The Indiana Machine and Wire Company, Indianapolis, Ind. Wire-fabric machine. No. 1,061,432; May 13; Gaz. vol. 190; p. 332.
- Whittington, George W., assignor to The Indiana Machine and Wire Company, Indianapolis, Ind. Wire-fence machine. No. 1,066,561; July 8; Gaz. vol. 192; p. 258.
- Whittington, James A., Lanark, Ark. Log-wagon. No. 1,053,261; Feb. 18; Gaz. vol. 187; p. 561.
- Whittington, John A., Spartanburg, S. C. Printing-press. No. 1,062,573; May 20; Gaz. vol. 190; p. 757.
- Whittington, Virginia, Valdosta, Ga. Lady's negligée undergarment. No. 1,073,724; Sept. 23; Gaz. vol. 194; p. 802.
- Whittington, Wade H., Los Angeles, Cal. Railway-rail construction. No. 1,059,510; Apr. 22; Gaz. vol. 189; p. 848.
- Whittlesey, Frank R., Oakland, Cal. Electric heating pad, blanket, robe, and the like. No. 1,058,825; Apr. 15; Gaz. vol. 189; p. 574.
- Whitton, Alexander, Miltineague, Mass. Watermarking apparatus for paper-machines. No. 1,058,826; Apr. 15; Gaz. vol. 189; p. 574.
- Whitton, William W., Goldfield, Nev. Concentrator. No. 1,065,288; June 17; Gaz. vol. 191; p. 786.
- Whitworth, George W., Cedar Falls, Iowa. Rack for seed-corn. No. 1,071,842; Sept. 2; Gaz. vol. 194; p. 60.
- Whitworth, George W., Cedar Falls, Iowa. Concrete-mixer. No. 1,082,000; Dec. 23; Gaz. vol. 197; p. 805.
- Whitworth, James H., Portsmouth, Ohio. Buttonhole-marking machine. No. 1,052,395; Feb. 4; Gaz. vol. 187; p. 188.
- Whitworth, Joseph E., Jeanerette, La. Band-mill-lining device. No. 1,056,615; Mar. 18; Gaz. vol. 188; p. 733.
- Whyland, Frank V., Buffalo, N. Y. Swaging-machine. No. 1,074,398; Sept. 30; Gaz. vol. 194; p. 1036.
- Whyte, John, Everett, Wash. Countersink attachment for bits. No. 1,072,543; Sept. 9; Gaz. vol. 194; p. 327.
- Whytock, Daniel D. S., Bethlehem, Pa. Drum drying mechanism for lace and insertion. No. 1,068,551; July 29; Gaz. vol. 192; p. 1045.
- Wiard, Frederick, Detroit, Mich. Drill-chuck. No. 1,056,076; Mar. 18; Gaz. vol. 188; p. 549.
- Wiard, Harry, and A. J. Spire, said Spire assignor to Syracuse Chilled Plow Company, Syracuse, N. Y. Reversible plow. No. 1,069,835; Aug. 12; Gaz. vol. 193; p. 287.
- Wiard, Myron W., San Diego, assignor of one-half to C. O. Nichols, Bostonia, Cal. Separable key. No. 1,074,075; Sept. 23; Gaz. vol. 194; p. 919.
- Wiberg, Georg, Stockholm, Sweden. Machine for bottling liquids. No. 1,051,179; Jan. 21; Gaz. vol. 186; p. 705.
- Wiberg, Georg, Stockholm, Sweden. Coin counting and packaging device. No. 1,071,194; Aug. 26; Gaz. vol. 193; p. 821.
- Wiberg, Georg, Stockholm, Sweden. Apparatus for automatically and continuously collecting counted coins or the like into equal lots. No. 1,071,285; Aug. 26; Gaz. vol. 193; p. 852.
- Wiberley, Frank, New York, assignor to Barthels Mfg. Company, Brooklyn, N. Y. Shirt-waist supporter. No. 1,053,764; Feb. 18; Gaz. vol. 187; p. 734.
- Wich, Bernard, Mechanicsville, N. Y. Nut-lock. No. 1,055,961; Mar. 11; Gaz. vol. 188; p. 474.
- Wichers, Johannes, Hamburg, Germany. Securing device for windows. No. 1,063,404; June 3; Gaz. vol. 191; p. 80.
- Wichertjes, Arend, Chicago, Ill. Fire-escape. No. 1,078,759; Nov. 18; Gaz. vol. 196; p. 586.
- Wichmann, Georg. (See Thiele and Wichmann.)
- Wick, Edward, Kiel, Wis. Horse-rake. No. 1,061,649; May 13; Gaz. vol. 190; p. 410.
- Wicker, Hugh M., New York, N. Y. Electrical heating apparatus. No. 1,061,433; May 13; Gaz. vol. 190; p. 333.
- Wicker, William B. (See Blakeslee and Wicker.)
- Wickersham, Elmer E., Newman, Cal. Automatic liquid-fuel control. No. 1,060,221; Apr. 29; Gaz. vol. 189; p. 1126.
- Wickersheim, Karl, New York, N. Y. Hat-stretcher. No. 1,065,856; June 24; Gaz. vol. 191; p. 1016.
- Wicks, Clarence S., Merchantville, N. J., assignor to Victor Talking Machine Company. Sound-record for talking-machines. No. 1,059,418; Apr. 22; Gaz. vol. 189; p. 816.
- Wicklund, Anton E., and J. B. Grobey, Middle River, Minn. Folding seat. No. 1,052,299; Feb. 4; Gaz. vol. 187; p. 156.
- Wicklund, John, Seattle, Wash. Indicator. No. 1,076,180; Oct. 21; Gaz. vol. 195; p. 601.
- Wicks, Frederick H., and C. Goodman, Roanoke, Va. Lathe. No. 1,061,891; May 13; Gaz. vol. 190; p. 486.
- Wicks, Milton O., Glen Cove, N. Y. Wall-plug. No. 1,056,387; Mar. 18; Gaz. vol. 188; p. 652.

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- Wicksteed, Charles, Kettering, England. Sawing-machine. No. 1,067,955; July 22; Gaz. vol. 192; p. 802.
- Wicksteed, Charles and R., Kettering, England. Machine-saw. No. 1,062,069; May 20; Gaz. vol. 190; p. 589.
- Wicksteed, Ralph. (See Wicksteed, Charles and R.)
- Wickstrum, Peter M., Lincoln, Nebr. Antithreshold automatic weather-strip. No. 1,054,158; Feb. 25; Gaz. vol. 187; p. 903.
- Wickueller Kuepper Brauerei Actiengesellschaft. (See Van der Velden, Friedrich, assignor.)
- Widdifield, Watson P. (See Button and Widdifield.)
- Widdeen, John. (See Carlson and Widdeen.)
- Widgren, Emil H. and K. A., Alby, Sweden. Means for controlling electric apparatus. No. 1,054,811; Mar. 4; Gaz. vol. 188; p. 55.
- Widgren, Klas A. (See Widgren, Emil H. and K. A.)
- Widkind, Edgar, Dusseldorf, Germany. Apparatus for drying and heating ladies, &c. No. 1,057,905; Apr. 1; Gaz. vol. 189; p. 174.
- Widera, Pawel J., Chicago, Ill. Pedal-propelled vehicle. No. 1,072,284; Sept. 2; Gaz. vol. 194; p. 207.
- Widmer, Adolph, Paterson, N. J. Driving mechanism for looms. No. 1,052,542; Feb. 11; Gaz. vol. 187; p. 270.
- Widmer, Adolph, Paterson, N. J. Driving mechanism for looms. No. 1,052,634; Feb. 11; Gaz. vol. 187; p. 302.
- Widmer, Adolph, Paterson, N. J. Batten structure for narrow-ware looms. No. 1,066,771; July 8; Gaz. vol. 192; p. 333.
- Widmer, Charles J., Franklin, Pa. Automobile motor-starter. No. 1,051,976; Feb. 4; Gaz. vol. 187; p. 45.
- Widner, John A., Alpena, Mich. Metallic railway-tie. No. 1,058,506; Apr. 8; Gaz. vol. 189; p. 427.
- Widney, Stanley W., Chicago, Ill. Piano-pedal. No. 1,078,025; Nov. 11; Gaz. vol. 196; p. 301.
- Wiede, Sigurd, Brooklyn, N. Y., assignor, by mesne assignments, to M. C. Hathaway, Richmond, Va. Mixing and measuring apparatus. No. 1,060,804; May 6; Gaz. vol. 190; p. 82.
- Wiede, Sigurd, Brooklyn, N. Y., assignor, by mesne assignments, to M. C. Hathaway, Richmond, Va. Apparatus for hydrating lime and the like. No. 1,060,805; May 6; Gaz. vol. 190; p. 82.
- Wiechert, Frank T., assignor to The Wise Soda Apparatus Company, Bellevue, Ohio. Metallic structure for soda-fountains. No. 1,059,651; Apr. 22; Gaz. vol. 189; p. 893.
- Wiechert, Frank T., assignor to The Wise Soda Apparatus Company, Bellevue, Ohio. Metallic structure for soda-fountains. No. 1,074,076; Sept. 23; Gaz. vol. 194; p. 920.
- Wiechmann, Ferdinand G., New York, assignor to Fenofarm Corporation, Hastings-upon-Hudson, N. Y. Plastic material and preparing such plastic material. No. 1,061,346; May 13; Gaz. vol. 190; p. 303.
- Wiechmann, Ferdinand G., New York, assignor to Fenofarm Corporation, Hastings-upon-Hudson, N. Y. Plastic material and preparing such plastic material. No. 1,067,855; July 22; Gaz. vol. 192; p. 770.
- Wiechmann, Ferdinand G., New York, assignor to Fenofarm Corporation, Hastings-upon-Hudson, N. Y. Plastic compound and making said compound. No. 1,067,856; July 22; Gaz. vol. 192; p. 771.
- Wiechmann, Ferdinand G., New York, assignor to Fenofarm Corporation, Hastings-upon-Hudson, N. Y. Making an anhydrous reaction product of phenol and formaldehyde. No. 1,080,188; Dec. 2; Gaz. vol. 197; p. 94.
- Wieczoreck, Clemens, Union, N. J., assignor to Peerless Rubber Manufacturing Company, New York, N. Y. Presser-foot. No. 1,069,836; Aug. 12; Gaz. vol. 193; p. 287.
- Wiedeke, Gustav. (See Wiedeke, Otto, assignor.)
- Wiedeke, Otto, assignor of one-half to G. Wiedeke, Dayton, Ohio. Tube-cutter. No. 1,082,984; Dec. 30; Gaz. vol. 197; p. 1179.
- Wiedenmann, Herman C., Philadelphia, Pa. Pen or pencil holder. No. 1,053,334; Feb. 18; Gaz. vol. 187; p. 587.
- Wieder, Franz, Bliersheim, assignor to Fried. Krupp Aktiengesellschaft, Essen-on-the-Ruhr, Germany. Iron piling. No. 1,079,814; Nov. 25; Gaz. vol. 196; p. 982.
- Wiedersheim, John A., et al. (See Hammes, Frederic J., assignor.)
- Wiediger, William. (See Lathrop, Frank S., assignor.)
- Wiedrich, Charles L., assignor to U. S. Hame Company, Buffalo, N. Y. Tool. No. 1,062,626; May 27; Gaz. vol. 190; p. 818.
- Wiegand, Henry J. (See Benjamin and Wiegand.)
- Wiegand, Henry J., Milwaukee, Wis. Electric switch. No. 1,056,310; Mar. 18; Gaz. vol. 188; p. 628.
- Wiegand, Henry J., Milwaukee, Wis. Resistance-grid. No. 1,071,843; Sept. 2; Gaz. vol. 194; p. 60.
- Wiegand, Henry J., Milwaukee, Wis. Reinforced-grid resistance. No. 1,071,844; Sept. 2; Gaz. vol. 194; p. 61.
- Wiegand, Henry J., assignor to The Cutler-Hammer Mfg. Co., Milwaukee, Wis. Terminal lug. No. 1,067,702; July 15; Gaz. vol. 192; p. 685.
- Wiegand, Henry J., assignor to The Cutler-Hammer Mfg. Co., Milwaukee, Wis. Limit-switch. No. 1,078,815; Nov. 18; Gaz. vol. 196; p. 606.
- Wiegert, Adolph, Greenleaf, Wis. Feeding mechanism for threshing-machines. No. 1,056,138; Mar. 18; Gaz. vol. 188; p. 570.
- Wiehl, Samuel, Sisters, Oreg. Dead-fall trap. No. 1,075,235; Oct. 7; Gaz. vol. 195; p. 223.
- Wiehl, Samuel, Sisters, Oreg. Animal-trap. No. 1,075,236; Oct. 7; Gaz. vol. 195; p. 223.
- Wiehl, Samuel, Sisters, Oreg. Preventive intercourse-apron. No. 1,075,237; Oct. 7; Gaz. vol. 195; p. 224.
- Wieland, George A., and W. F. Aldrich, San Francisco, Cal. Wall structure. No. 1,073,829; Sept. 23; Gaz. vol. 194; p. 836.
- Wieland, Herman J., Virginia, Minn. Cuspidor. No. 1,052,026; Feb. 4; Gaz. vol. 187; p. 63.
- Wielgolaski, Frans H. A., Christiania, Norway. Method and apparatus for producing long electrical arcs. No. 1,054,886; Mar. 4; Gaz. vol. 188; p. 80.
- Wielgolaski, Frans H. A., Christiania, Norway. Method and apparatus for the production of long electric arcs for the treatment of gases. No. 1,061,892; May 13; Gaz. vol. 190; p. 486.
- Wienand, Heinrich A., Frankfort-on-the-Main, Germany. Casting artificial teeth. No. 1,082,058; Dec. 23; Gaz. vol. 197; p. 826.
- Wiener, Clarence, Philadelphia, Pa. Military multiple-purpose spade. No. 1,051,042; Jan. 21; Gaz. vol. 186; p. 659.
- Wienholtz, Georg, assignor to Fried. Krupp Aktiengesellschaft, Essen-on-the-Ruhr, Germany. Gun-carriage. No. 1,079,815; Nov. 25; Gaz. vol. 196; p. 982.
- Wienholtz, Georg, assignor to Fried. Krupp Aktiengesellschaft, Essen-on-the-Ruhr, Germany. Wheeled gun-carriage. No. 1,079,816; Nov. 25; Gaz. vol. 196; p. 983.
- Wiens, Adolph R. (See Allis and Wiens.)
- Wierum, Howard F., Upper Montclair, N. J. Obtaining values from copper-bearing material. No. 1,063,486; June 3; Gaz. vol. 191; p. 106.
- Wiesbauer, Andrew, and J. Gocus, Buffalo, N. Y. Display-platform. No. 1,052,543; Feb. 11; Gaz. vol. 187; p. 270.
- Wiese, Ernest E. and H. F., Brecksville, Ohio. Rail-support. No. 1,064,801; June 17; Gaz. vol. 191; p. 627.
- Wiese, Henry F. (See Wiese, Ernest E. and H. F.)
- Wiese, Hermann, Wallaceburg, Ontario, Canada. Refining sugar. No. 1,052,113; Feb. 4; Gaz. vol. 187; p. 94.
- Wiesen, John G., Milwaukee, Wis. Mouse-trap. No. 1,074,916; Oct. 7; Gaz. vol. 195; p. 111.
- Wieser, Karl, Bredene, assignor to Fried. Krupp Aktiengesellschaft, Essen-on-the-Ruhr, Germany. Percussion-fuse. No. 1,062,810; May 27; Gaz. vol. 190; p. 877.
- Wieser, Karl, Bredene, assignor to Fried. Krupp Aktiengesellschaft, Essen-on-the-Ruhr, Germany. Projectile. No. 1,063,094; May 27; Gaz. vol. 190; p. 971.
- Wieser, Karl, Bredene, assignor to Fried. Krupp Aktiengesellschaft, Essen-on-the-Ruhr, Germany. Impact-fuse. No. 1,063,095; May 27; Gaz. vol. 190; p. 972.
- Wieser, Karl, Bredene, assignor to Fried. Krupp Aktiengesellschaft, Essen-on-the-Ruhr, Germany. Percussion-fuse for projectiles. No. 1,072,544; Sept. 9; Gaz. vol. 194; p. 327.
- Wieser, Karl, Bredene, assignor to Fried. Krupp Aktiengesellschaft, Essen-on-the-Ruhr, Germany. Mechanical time-fuse. No. 1,072,545; Sept. 9; Gaz. vol. 194; p. 328.
- Wieser, Karl, Bredene, assignor to Fried. Krupp Aktiengesellschaft, Essen-on-the-Ruhr, Germany. Impact-fuse. No. 1,072,546; Sept. 9; Gaz. vol. 194; p. 328.
- Wieser, Karl, Bredene, assignor to Fried. Krupp Aktiengesellschaft, Essen-on-the-Ruhr, Germany. Projectile with visible trajectory. No. 1,075,391; Oct. 14; Gaz. vol. 195; p. 306.
- Wieser, Karl, Bredene, assignor to Fried. Krupp Aktiengesellschaft, Essen-on-the-Ruhr, Germany. Delayed-action device for impact-fuses. No. 1,079,383; Nov. 25; Gaz. vol. 196; p. 831.
- Wiesner, Julius, Hlinsko, Austria-Hungary. Waterproof blanketing, felt, and the like. No. 1,058,827; Apr. 15; Gaz. vol. 189; p. 575.
- Wiesner, Moritz, assignor to Yawman & Erbe Manufacturing Company, Rochester, N. Y. Card or label holder. No. 1,065,414; June 24; Gaz. vol. 191; p. 863.
- Wigert, David, assignor to David Wigert Boiler Works, Galesburg, Ill. Boiler. No. 1,071,286; Aug. 26; Gaz. vol. 193; p. 852.
- Wigert, David, assignor to David Wigert Boiler Works, Galesburg, Ill. Boiler connection. No. 1,071,287; Aug. 26; Gaz. vol. 193; p. 853.
- Wiggen, Peter, assignor to J. P. Seeburg Piano Company, Chicago, Ill. Coin-operated mechanism. No. 1,077,962; Nov. 4; Gaz. vol. 196; p. 248.
- Wiggers, Otto, Hooper, Utah. Burglar-alarm. No. 1,078,476; Nov. 11; Gaz. vol. 196; p. 457.
- Wiggin, Albert E., assignor of one-third to U. A. Garred and one-third to F. Laist, Anaconda, Mont. Multiple-deck concentrator. No. 1,078,977; Nov. 18; Gaz. vol. 196; p. 660.
- Wiggin, Albert E., and A. E. Wheeler, Great Falls, Mont., assignors of one-third to R. H. Richards, Boston, Mass. Ore-classifier. No. 1,058,828; Apr. 15; Gaz. vol. 189; p. 575.

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- Wiggins, William H. (See Holland and Wiggins.)
- Wigginton, George P., Kalamazoo, Mich. Index system. No. 1,070,566; Aug. 19; Gaz. vol. 193; p. 581.
- Wigham, John and J. R., South Hylton, Sunderland, England. Control device for steam-engines. No. 1,061,932; May 13; Gaz. vol. 190; p. 501.
- Wigham, John R. (See Wigham, John and J. R.)
- Wight, Arthur M., New York, N. Y. Banding-tool. No. 1,070,567; Aug. 19; Gaz. vol. 193; p. 581.
- Wight, Edward H., Quincy, Mass. Gas-mixing burner. No. 1,050,756; Jan. 14; Gaz. vol. 186; p. 521.
- Wightman, Clarence D., Glenwood Springs, Colo. Telephone-receiver support. No. 1,065,570; June 24; Gaz. vol. 191; p. 921.
- Wigle, Wilson B., Santa Maria, Cal. Cementing the walls of a hole. No. 1,057,789; Apr. 1; Gaz. vol. 189; p. 134.
- Wigley, Robert J., Centralia, Wash. Handy hook. No. 1,072,285; Sept. 2; Gaz. vol. 194; p. 207.
- Wigtel, Carl, assignor to The Watson-Stillman Company, New York, N. Y. Hydraulic apparatus. No. 1,075,317; Oct. 7; Gaz. vol. 195; p. 254.
- Wijnberg, Abraham, Amsterdam, Netherlands. Regenerating of decolorizing-carbon. No. 1,074,337; Sept. 30; Gaz. vol. 194; p. 1035.
- Wijnberg, Abraham, and J. N. A. Sauer, Amsterdam, Netherlands. Manufacturing of raffinade (white sugar) direct from raw sugar-juices. No. 1,070,654; Aug. 19; Gaz. vol. 193; p. 609.
- Wikander, Gustavus A., Portland, Oreg. Electromagnetic device for operating type-writers. No. 1,067,566; July 15; Gaz. vol. 192; p. 638.
- Wikander, Ragnar, Pittsburgh, Pa., assignor to Westinghouse Electric and Manufacturing Company. Electric switching device. No. 1,082,615; Dec. 30; Gaz. vol. 197; p. 1051.
- Wikel, Henry S. (See Bunn, Joseph D., assignor.)
- Wilber, William P., Providence, R. I. Self-closing compartment-doors. No. 1,071,845; Sept. 2; Gaz. vol. 194; p. 61.
- Wilbur, Bert E. (See Macy and Wilbur.)
- Wilbur, Peter L. (See MacGregor, Peter G., assignor.)
- Wilbur, Samuel P., Pittsburgh, Pa., assignor to Nernst Lamp Company. Guard for springs. No. 1,081,072; Dec. 9; Gaz. vol. 197; p. 428.
- Wilbuschewitsch, Mose, Nischinowgorod, Kanavino, Russia. Apparatus for converting fats, oils, and fish-oils into like bodies of higher melting-points. No. 1,079,278; Nov. 18; Gaz. vol. 196; p. 763.
- Wilcke-Armstrong Company, The. (See Christian, Gilbert, assignor.)
- Wilcomb, Frank, assignor to Wilcomb Machine Company, Norristown, Pa. Driving mechanism for knitting-machines. No. 1,049,553; Jan. 7; Gaz. vol. 186; p. 81.
- Wilcomb, Frank, assignor to Wilcomb Machine Company, Norristown, Pa. Circular-knitting machine. No. 1,054,067; Feb. 25; Gaz. vol. 187; p. 872.
- Wilcomb, Frank, assignor to Wilcomb Machine Company, Norristown, Pa. Pattern mechanism for knitting-machines. No. 1,054,478; Feb. 25; Gaz. vol. 187; p. 1014.
- Wilcomb, Frank, assignor to Wilcomb Machine Company, Norristown, Pa. Needle-protector and let-off for knitting-machines. No. 1,054,479; Feb. 25; Gaz. vol. 187; p. 1014.
- Wilcomb, Frank, assignor to Wilcomb Machine Company, Norristown, Pa. Knitting-machine. No. 1,073,309; Sept. 16; Gaz. vol. 194; p. 635.
- Wilcomb Machine Company. (See Wilcomb, Frank, assignor.)
- Wilcovitz, Charles, New York, assignor of one-third to M. Isbutsky and one-third to H. Isbutsky, Brooklyn, N. Y. Non-refillable bottle. No. 1,074,148; Sept. 30; Gaz. vol. 194; p. 973.
- Wilcox, Charles E. (See Willard and Wilcox.)
- Wilcox, Elbert F., Kansas City, Mo. Building construction. No. 1,053,462; Feb. 18; Gaz. vol. 187; p. 630.
- Wilcox, Frank E. (See Hickok, Lester E., assignor.)
- Wilcox, Frank G., assignor of three-fourths to W. C. Renfrow, Kansas City, Mo. Photographic paper. No. 1,052,779; Feb. 11; Gaz. vol. 187; p. 350.
- Wilcox, Frederick G., Rome, N. Y. Cloth-supporting attachment for sewing-machines. No. 1,069,212; Aug. 5; Gaz. vol. 193; p. 44.
- Wilcox, Henry M., Chicago, Ill. Apparatus for recovering copper from its ores. No. 1,066,968; July 8; Gaz. vol. 192; p. 399.
- Wilcox, Ithamore G., McGuffey, Ohio. Gang seeding-drill. No. 1,067,956; July 22; Gaz. vol. 192; p. 802.
- Wilcox, John M. (See Doty, Burner, and Wilcox.)
- Wilcox, Ralph D. (See Bennett, Ashley C., assignor.)
- Wilcox, Sidney F., Garden City, N. Y. Tire-armor. No. 1,062,070; May 20; Gaz. vol. 190; p. 589.
- Wilcox, Walter, New York, N. Y. Faucet. No. 1,063,757; June 3; Gaz. vol. 191; p. 203.
- Wilcox & White Company, The. (See White, Frank C., assignor.)
- Wilcox, William B., Ypsilanti, Mich. Crutch-tip. No. 1,055,111; Mar. 4; Gaz. vol. 188; p. 155.
- Wilcoxon, John E., assignor to The Studebaker Corporation, South Bend, Ind. Molding apparatus. No. 1,059,249; Apr. 15; Gaz. vol. 189; p. 720.
- Wilcoxon, John E., assignor to The Studebaker Corporation, South Bend, Ind. Molding apparatus. No. 1,059,250; Apr. 15; Gaz. vol. 189; p. 721.
- Wilcoxon, John E., assignor to The Studebaker Corporation, South Bend, Ind. Molding apparatus. No. 1,059,251; Apr. 15; Gaz. vol. 189; p. 721.
- Wilcoxon, Earl C., and E. Swanson, Denver, Colo. Jeweler's vise. No. 1,077,661; Nov. 4; Gaz. vol. 196; p. 145.
- Wild, Günther P., Philadelphia, Pa. Brake for talking-machines. No. 1,072,066; Sept. 2; Gaz. vol. 194; p. 135.
- Wild, Günther P., Philadelphia, Pa. Expansible roller. No. 1,072,067; Sept. 2; Gaz. vol. 194; p. 135.
- Wild, Laurent H., assignor of one-half to C. A. Loomis, Utica, N. Y. Extensible spacer. No. 1,050,890; Jan. 21; Gaz. vol. 186; p. 605.
- Wild, Merton G., and F. J. Aikin, Loveland, Colo. Cooling apparatus. No. 1,065,415; June 24; Gaz. vol. 191; p. 868.
- Wildau, Michael F., Buffalo, N. Y. Lamp-chimney cleaner. No. 1,052,871; Feb. 11; Gaz. vol. 187; p. 383.
- Wilde, Arthur E., New York, N. Y. Toy. No. 1,079,200; Nov. 18; Gaz. vol. 196; p. 740.
- Wilde, Arthur E., New York, N. Y. Syringe. No. 1,080,395; Dec. 2; Gaz. vol. 197; p. 170.
- Wilde, Arthur E., assignor to Arthur E. Wilde Manufacturing and Sales Company, Inc., New York, N. Y. Safety ink-well. No. 1,059,801; Apr. 22; Gaz. vol. 189; p. 943.
- Wilde, Daniel, Washington, Iowa. Shoveling-board. No. 1,072,286; Sept. 2; Gaz. vol. 194; p. 208.
- Wilde, Frank B., Boston, Mass. Mop-wringer. No. 1,064,802; June 17; Gaz. vol. 191; p. 627.
- Wilde, Louis. (See Wilde, Peter and L.)
- Wilde, Otto W., Wichita, Kans. Combined whip, rein, and lap-robe lock for vehicles. No. 1,079,530; Nov. 25; Gaz. vol. 196; p. 881.
- Wilde, Peter and L., Fort Laramie, Wyo. Cutter-bar. No. 1,079,279; Nov. 18; Gaz. vol. 196; p. 764.
- Wildeblood, Henry S., Lucknow, India. Means for improving the stability of aeroplanes. No. 1,078,477; Nov. 11; Gaz. vol. 196; p. 457.
- Wilder, Allen B. (See Wilder, Edward B. and A. B.)
- Wilder, Edward B. and A. B., St. Louis, Mo. Die-cutting wood and similar materials. No. 1,082,985; Dec. 30; Gaz. vol. 197; p. 1179.
- Wilder, Edward B. and A. B., St. Louis, Mo. Die for cutting wood and similar materials. No. 1,082,986; Dec. 30; Gaz. vol. 197; p. 1180.
- Wilder-Strong Implement Company. (See Stoner, Frank H., assignor.)
- Wilder, William H., Gardner, Mass., assignor to Central Oil and Gas Stove Company. Oil-stove. No. 1,062,677; May 27; Gaz. vol. 190; p. 834.
- Wilder, William S. A., Anderson, Cal. Device for removing and replacing railway-ties. No. 1,078,182; Nov. 11; Gaz. vol. 196; p. 354.
- Wilderman, Loren E. (See Nold and Wilderman.)
- Wilderson, Clinton G. (See Harrold and Wilderson.)
- Wildman, Frank B., Norristown, Pa. Knitting-machine. No. 1,071,979; Sept. 2; Gaz. vol. 194; p. 106.
- Wildman, Frank B., Norristown, Pa. Circular-knitting machine. No. 1,081,179; Dec. 9; Gaz. vol. 197; p. 464.
- Wildman, Frank B., and E. W. Bortman, assignors to Wildman Mfg. Company, Norristown, Pa. Grinding attachment for cloth-cutters and the like. No. 1,050,891; Jan. 21; Gaz. vol. 186; p. 605.
- Wildman, Frank B., and G. L. Ballard, assignors to Wildman Mfg. Co., Norristown, Pa. Pattern mechanism for knitting-machines. No. 1,065,487; June 24; Gaz. vol. 191; p. 892.
- Wildman, Frank B., and G. L. Ballard, Norristown, Pa., assignors to Wildman Mfg. Co. Stop-motion for knitting-machines. No. 1,081,180; Dec. 9; Gaz. vol. 197; p. 464.
- Wildman Mfg. Co. (See Ballard, George L., assignor.)
- Wildman Mfg. Co. (See Wildman and Ballard, assignors.)
- Wildman Mfg. Company. (See Wildman and Bortman, assignors.)
- Wildrick, Warren H., Phillipsburg, N. J. Sack-cleaner. No. 1,058,507; Apr. 8; Gaz. vol. 189; p. 427.
- Wile, Raymond S., Pittsburgh, Pa. Melting metals and alloys. No. 1,070,568; Aug. 19; Gaz. vol. 193; p. 581.
- Wiles, Frederick W. (See Wiles, Macleod, and Wiles.)
- Wiles, William F., T. Macleod, and F. W. Wiles, Brisbane, Queensland, Australia. Aeroplane. No. 1,076,339; Oct. 21; Gaz. vol. 195; p. 657.
- Wiley, Ed. C., Nogo, Ark. Rail-joint. No. 1,081,878; Dec. 16; Gaz. vol. 197; p. 736.
- Wiley, Edgar C., Lynchburg, Va. Blower. No. 1,050,892; Jan. 21; Gaz. vol. 186; p. 606.
- Wiley, Edgar C., Lynchburg, Va. Filter plant. No. 1,060,870; May 6; Gaz. vol. 190; p. 106.
- Wiley, Edgar C., Lynchburg, Va. Water-seal radiator-trap. No. 1,072,287; Sept. 2; Gaz. vol. 194; p. 208.
- Wiley, Edgar C., assignor of one-half to Lynchburg Foundry Co., Lynchburg, Va. Drying-oven. No. 1,067,087; July 8; Gaz. vol. 192; p. 437.

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- Wiley, Harry M., Spokane, Wash. Burner. No. 1,073,830; Sept. 23; Gaz. vol. 194; p. 836.
- Wiley, Roy R. and W. K., Buffalo, N. Y., and W. S. Hough, Jr., St. Catharines, Ontario, Canada. Illuminated sign. No. 1,081,800; Dec. 16; Gaz. vol. 197; p. 709.
- Wiley, Roy R. and W. K., Buffalo, N. Y., and W. S. Hough, Jr., St. Catharines, Ontario, Canada, assignors to Plexume Sign Company, Buffalo, N. Y. Illuminated sign. (Reissue.) No. 1,3558; Apr. 29; Gaz. vol. 189; p. 1249.
- Wiley, Samuel E., Nashville, Tenn. Sliding-door fastener. No. 1,070,865; Aug. 19; Gaz. vol. 193; p. 678.
- Wiley, Wallace K. (See Wiley and Hough.) (Reissue.)
- Wiley, Walter S., Omaha, Nebr. Combination tractor and plow. No. 1,057,172; Apr. 1; Gaz. vol. 189; p. 26.
- Willey, Arthur R., Denver, Colo. Concentrator. No. 1,056,888; Mar. 18; Gaz. vol. 188; p. 652.
- Wilford, Edward B. (See Schramm and Wilford.)
- Wilgus, Charles V., Kingston, assignor to The Adder Machine Company, Wilkes-Barre, Pa. Ribbon mechanism. No. 1,063,405; June 3; Gaz. vol. 191; p. 80.
- Wilgus, Charles V., Kingston, assignor to The Adder Machine Company, Wilkes-Barre, Pa. Keyboard for calculating-machines. No. 1,066,690; July 8; Gaz. vol. 192; p. 305.
- Wilhelm, John F., Williamsport, assignor of one-half to E. H. Young, Lock Haven, Pa. Game apparatus. No. 1,063,233; June 3; Gaz. vol. 191; p. 22.
- Wilke, Frank J., Little Rock, Ark. Elastic-fluid turbine. No. 1,075,528; Oct. 14; Gaz. vol. 195; p. 351.
- Wilke, Henry E., New York, N. Y. Car-wheel. No. 1,067,628; July 15; Gaz. vol. 192; p. 660.
- Wilkins, Friedrich, assignor to Bremer Linoleumwerke Delmenhorst, Delmenhorst, Germany. Apparatus for feeding a web carrying linoleum into inlaid-linoleum presses. No. 1,053,335; Feb. 18; Gaz. vol. 187; p. 587.
- Wilkins, Henry, Racine, Wis. Portable walk. No. 1,050,584; Jan. 14; Gaz. vol. 186; p. 467.
- Wilkinson, John E., Dallas, Oreg. Sack-filling device. No. 1,065,754; June 24; Gaz. vol. 191; p. 982.
- Wilkes, Alfred L., Santa Ana, Cal. Combined topping-knife and pick. No. 1,066,871; July 8; Gaz. vol. 192; p. 366.
- Wilkes, Clarence H., Gloversville, N. Y. Glove-sewing machine. No. 1,049,430; Jan. 7; Gaz. vol. 186; p. 38.
- Wilkie, Robert J. (See Schuh, Charles F., assignor.)
- Wilkin, William M., Erie, Pa. Sawmill head-block. No. 1,065,993; July 1; Gaz. vol. 192; p. 32.
- Wilkins, Albert J., Coal Center, Pa. Smoke-consumer. No. 1,081,417; Dec. 16; Gaz. vol. 197; p. 583.
- Wilkins, Ball E. (See Quinn, Ashford L., assignor.)
- Wilkins, George E., and J. C. B. Richards, Wednesbury, England. Lifting-jack. No. 1,060,963; May 6; Gaz. vol. 190; p. 139.
- Wilkins, Harry, assignor of one-half to J. P. Wilson, Evansville, Ind. Railway-switch. No. 1,067,703; July 15; Gaz. vol. 192; p. 685.
- Wilkins, James H. (See Nevius and Wilkins.)
- Wilkins, Joseph N., Centralia, Wash. Combined shovel and scraper. No. 1,066,562; July 8; Gaz. vol. 192; p. 258.
- Wilkins, Thomas M., East Randolph, assignor to Wilkins Valve Company, Salamanca, N. Y. Diaphragm. No. 1,057,196; Mar. 25; Gaz. vol. 188; p. 963.
- Wilkins Valve Company. (See Wilkins, Thomas M., assignor.)
- Wilkins, William J. (See Bell and Wilkins.)
- Wilkinson, Cicero P., Riverside, Cal. Fumigating apparatus. No. 1,065,013; June 17; Gaz. vol. 191; p. 695.
- Wilkinson, Clarence R. (See Neilsen and Wilkinson.)
- Wilkinson, Clarence R. (See Nolan, Oliver, assignor.)
- Wilkinson, Duke A., and B. A. Austin, Shamrock, Tex. Hog-trough. No. 1,055,376; Mar. 11; Gaz. vol. 188; p. 280.
- Wilkinson, Elmer E., and S. Aronson, New York, N. Y.; said Aronson assignor to said Wilkinson. Winding and setting mechanism for clocks. No. 1,070,216; Aug. 12; Gaz. vol. 193; p. 417.
- Wilkinson, Irene O., Charleston, W. Va. Toilet-receptacle. No. 1,057,906; Apr. 1; Gaz. vol. 189; p. 175.
- Wilkinson, James, Boston, Mass., assignor to General Electric Company. Extracting steam from turbines. No. 1,063,487; June 3; Gaz. vol. 191; p. 106.
- Wilkinson, James, Boston, Mass., assignor to General Electric Company. Emergency-governor. No. 1,076,472; Oct. 21; Gaz. vol. 195; p. 704.
- Wilkinson, James, Boston, Mass., assignor to General Electric Company. Combined electric indicator and steam-flow meter. No. 1,076,473; Oct. 21; Gaz. vol. 195; p. 705.
- Wilkinson, James, Boston, Mass., assignor to General Electric Company. Fluid-flow meter. No. 1,080,396; Dec. 2; Gaz. vol. 197; p. 170.
- Wilkinson, James, Schenectady, N. Y., assignor to General Electric Company. Shaft-packing. No. 1,063,633; June 3; Gaz. vol. 191; p. 160.
- Wilkinson, James, Providence, R. I., assignor, by mesne assignments, to General Electric Company. Balancing-machine. No. 1,082,001; Dec. 23; Gaz. vol. 197; p. 806.
- Wilkinson, John F., Gloucester, Mass. Universal joint. No. 1,071,377; Aug. 26; Gaz. vol. 193; p. 884.
- Wilkinson, Louis H., assignor to Manning, Bowman & Company, Meriden, Conn. Percolating device. No. 1,067,206; July 8; Gaz. vol. 192; p. 479.
- Wilkinson, T. B., *et al.* (See Blount, Lewis, assignor.)
- Wilkinson, Thomas B., Los Angeles, Cal. Valve for well-pumps. No. 1,067,496; July 15; Gaz. vol. 192; p. 616.
- Wilkinson, William J., New York, N. Y. Producing half-tone relief printing-plates. No. 1,055,790; Mar. 4; Gaz. vol. 188; p. 48.
- Wilkinson, William S., Aurora, S. D. Belt-coupling. No. 1,075,078; Oct. 7; Gaz. vol. 195; p. 169.
- Wilks, John B. (See Burghoff and Wilks.)
- Will, Anthony, Syracuse, N. Y. Candle-holder. No. 1,061,347; May 13; Gaz. vol. 190; p. 304.
- Will & Baumer Company. (See Markert, Anthony N., assignor.)
- Will, Daniel R., Ava, Ill. Rail tie and fastener. No. 1,065,416; June 24; Gaz. vol. 191; p. 868.
- Will, Frederick. (See Walker and Will.)
- Willard, Arthur G., Los Angeles, and C. E. Wilcox, Bakersfield, Cal. Well-boring apparatus. No. 1,064,270; June 10; Gaz. vol. 191; p. 411.
- Willard, Charles A., Madison, Conn. Supplemental control for motive power. No. 1,078,232; Nov. 11; Gaz. vol. 196; p. 371.
- Willard, Jay L. (See MacLaughlin and Willard.)
- Willard, Louie E., Chula, Ark. Strainer. No. 1,079,280; Nov. 18; Gaz. vol. 196; p. 764.
- Willard Storage Battery Company, The. (See Willard, Theodore A., assignor.)
- Willard, Theodore A., Cleveland, Ohio, assignor to The Willard Storage Battery Company. Terminal for battery-plates. No. 1,050,893; Jan. 21; Gaz. vol. 186; p. 606.
- Willard, Will W., Saginaw, Mich. Tie-plate. No. 1,053,336; Feb. 18; Gaz. vol. 187; p. 588.
- Willbrandt, Mary A., Washington, Kans. Garment-fastener. No. 1,074,229; Sept. 30; Gaz. vol. 194; p. 1000.
- Wilcox, George B., Saginaw, Mich. Receptacle. No. 1,053,688; Feb. 18; Gaz. vol. 187; p. 708.
- Wilcox, Roderick H., Columbus, Ohio. Vehicle door-fastener. No. 1,079,969; Dec. 2; Gaz. vol. 197; p. 17.
- Wille, Carl, Tempelhof, near Berlin, Germany. Drying apparatus. No. 1,051,359; Jan. 21; Gaz. vol. 186; p. 764.
- Willemin, Paul A., Providence, R. I. Locket. No. 1,075,529; Oct. 14; Gaz. vol. 195; p. 351.
- Willoms, George H., Roanoke, assignor, by mesne assignments, to Power Washing Machine Co., Peoria, Ill. Driving mechanism and support therefor. No. 1,066,068; July 1; Gaz. vol. 192; p. 58.
- Willott, Thomas C., Adams, Tenn. Accelerator for internal-combustion engines. No. 1,049,959; Jan. 7; Gaz. vol. 186; p. 216.
- Willetts, Charles W., Tacoma, Wash. Sawmill set-works. No. 1,073,310; Sept. 16; Gaz. vol. 194; p. 636.
- Willetts, William R., assignor to American Pin Company, Waterbury, Conn. Flush-valve. (Reissue.) No. 1,3658; Dec. 16; Gaz. vol. 197; p. 757.
- Willey, Edgar E. (See Kerr, Frank L., assignor.)
- Willey, Frank W. (See Thullen and Willey.)
- Willey, Guy A., *et al.* (See Couch, Royden O., assignor.)
- Willford, Joseph L., assignor of one-half to B. A. O'Neill, Minneapolis, Minn. Adjustable feeder and mixer. No. 1,061,348; May 13; Gaz. vol. 190; p. 304.
- Willford, Joseph L., Gladstone, Mich., assignor of two-fifths to A. C. Paul, Minneapolis, Minn. Preparing grain for milling. No. 1,061,933; May 13; Gaz. vol. 190; p. 502.
- Willi, Andrew B., Rochester, N. Y. Curtain-stretcher. No. 1,055,112; Mar. 4; Gaz. vol. 188; p. 155.
- William A. Hall Lumber & Fibre Company. (See Hall, William A., assignor.)
- William Carter Co., The. (See Drumbeller, William P., assignor.)
- William Carter Company, The. (See Carter, William H., assignor.)
- William Crabb & Company. (See Crabb, Robert, assignor.)
- William Davies Company, The. (See Cohoe and Fox, assignors.)
- William F. Taubel, Incorporated. (See Killian, August F., assignor.)
- William Galloway Company, The. (See Mandt, Gunder G., assignor.)
- William Galloway Company, The. (See Wilson and Tutt, assignors.)
- William H. Horstmann Company. (See Kohler, John J., assignor.)
- William J. Paul Co. (See Paul, William J., assignor.)
- William J. Oliver Manufacturing Company. (See Thompson, Harry E., assignor.)
- William L. Dines, Jr., Co. (See Dines, William L., Jr., assignor.)
- William M. Crane Company. (See Brock, John M., assignor.)

Alphabetical list of patentees—Continued.

- William M. Crane Company. (See Erskine, James, assignor.)
- William M. Crane Company. (See O'Dowd, Henry W., assignor.)
- William Schollhorn Company, The. (See Bernard, William A., assignor.)
- William Sellers & Company. (See Kneass, Strickland L., assignor.)
- William Sellers & Company. (See Vold, Lars H., assignor.)
- William Tod Company, The. (See Keller, John M., assignor.)
- William Underwood Company. (See Cleveland, Francis D., assignor.)
- William Wharton, Jr., & Company. (See Cooke, Warner B., assignor.)
- William Wharton, Jr., & Company. (See Psilander, Charles A., assignor.)
- Williams, Albert, assignor of one-half to F. Strodt, St. Louis, Mo. Paper-hanging machine. No. 1,065,755; June 24; Gaz. vol. 191; p. 983.
- Williams, Alfred H., Hyde Park, South Australia, Australia. Manufacture of incandescent mantles for gas-lighting. No. 1,057,312; Mar. 25; Gaz. vol. 188; p. 1001.
- Williams, Appleton P. (See Shattuck, Burt E., assignor.)
- Williams, Appleton P. (See Winder, Samuel E., assignor.)
- Williams, Bengeman F. (See Day and Williams.)
- Williams, Bennett. (See Hughes, Robert O., assignor.)
- Williams, Brown and Earle. (See Balderston, Caleb C., assignor.)
- Williams, Brown and Earle. (See Holst, Lodewyk J. R., assignor.)
- Williams, Brown and Earle. (See Wertsner, Clayton S., assignor.)
- Williams, Calvin C., Philadelphia, Pa., assignor to Victor Vacuum Cleaning Company. Vacuum-cleaner pump. No. 1,072,547; Sept. 9; Gaz. vol. 194; p. 329.
- Williams, Charles C., Cleveland, Ohio. Clam-shell bucket. No. 1,062,208; May 20; Gaz. vol. 190; p. 637.
- Williams, Charles C., *et al.* (See Schrier, Adolph B., assignor.)
- Williams, Charles E. B., *et al.* (See Lewis, William W., assignor.)
- Williams, Charles F. and I. C., Coldwater, Mich. Fluid-hydrocarbon burner. No. 1,072,548; Sept. 9; Gaz. vol. 194; p. 329.
- Williams, Charles H. (See Eagar and Williams.)
- Williams, Charles H., Jr., assignor to Chicago Railway Equipment Company, Chicago, Ill. Lever-guide. No. 1,056,479; Mar. 18; Gaz. vol. 188; p. 685.
- Williams, Charles H., Jr., assignor to Chicago Railway Equipment Company, Chicago, Ill. Gage for brake-beams. No. 1,078,649; Nov. 18; Gaz. vol. 196; p. 546.
- Williams, Charles H., Jr., assignor to Chicago Railway Equipment Company, Chicago, Ill. Brake-beam third-point-suspension mount. No. 1,080,741; Dec. 9; Gaz. vol. 197; p. 317.
- Williams, Charles I., Utica, N. Y. Mixing-machine. No. 1,066,772; July 8; Gaz. vol. 192; p. 333.
- Williams, Chester A., Blair, Ill. Salting-trough. No. 1,070,758; Aug. 19; Gaz. vol. 193; p. 645.
- Williams, David. (See McGlashan and Williams.)
- Williams, David T., Paterson, N. J., assignor of one-half to F. L. Connable, Wilmington, Del. Feed-water heater. No. 1,078,026; Nov. 11; Gaz. vol. 196; p. 301.
- Williams, Dick B., New Orleans, La., assignor to C. E. Brower, trustee, Memphis, Tenn. Hand wire-tying tool. No. 1,067,790; July 15; Gaz. vol. 192; p. 714.
- Williams, Eden B., Chamberlain, La. Releasing device for grapples. No. 1,071,489; Aug. 26; Gaz. vol. 193; p. 920.
- Williams, Edgar V., assignor to Williams Mill Manufacturing Company, Ronda, N. C. Sifter. No. 1,051,295; Jan. 21; Gaz. vol. 186; p. 743.
- Williams, Edward R. (See Williams, Joseph, W. H., and E. R.) (Reissue.)
- Williams, Edward T., Brooklyn, N. Y. Ice making and harvesting apparatus. No. 1,051,296; Jan. 21; Gaz. vol. 186; p. 743.
- Williams, Edward T., Brooklyn, N. Y. Ice making and harvesting apparatus. No. 1,051,297; Jan. 21; Gaz. vol. 186; p. 744.
- Williams, Edward T., Brooklyn, N. Y. Ice making and harvesting apparatus. No. 1,051,298; Jan. 21; Gaz. vol. 186; p. 744.
- Williams, Edward T., Brooklyn, N. Y. Ice making and harvesting apparatus. No. 1,051,299; Jan. 21; Gaz. vol. 186; p. 745.
- Williams, Edward T., Brooklyn, N. Y. Ice making and harvesting apparatus. No. 1,051,300; Jan. 21; Gaz. vol. 186; p. 745.
- Williams, Edward T., Brooklyn, N. Y., and H. T. Bernhard, West Hoboken, N. J. Automatic refrigerating system. No. 1,050,894; Jan. 21; Gaz. vol. 186; p. 606.
- Williams, Edwin F., Erie, Pa. Governor control of steam-engine valves. No. 1,069,990; Aug. 12; Gaz. vol. 193; p. 339.
- Williams, Edwin F., Erie, Pa. Steam-engine valve. No. 1,076,256; Oct. 21; Gaz. vol. 195; p. 627.
- Williams, Edwin F., assignor to The Skinner Engine Company, Erie, Pa. Valve-controlling mechanism for steam-engines. No. 1,070,932; Aug. 19; Gaz. vol. 193; p. 699.
- Williams, Elisha L., Little Rock, Ark. Machine for applying spoke-protectors. No. 1,083,171; Dec. 30; Gaz. vol. 197; p. 1236.
- Williams, Ensley E. (See Sherland, Mark E., assignor.)
- Williams, Ernest G., Huntington, W. Va. Copy-holder. No. 1,052,396; Feb. 4; Gaz. vol. 187; p. 188.
- Williams, Ernest J., St. Louis, Mo. Combined eye-shade and fan. No. 1,082,987; Dec. 30; Gaz. vol. 197; p. 1180.
- Williams, Eugene B., assignor to B. F. Sturtevant Company, Boston, Mass. Centrifugal fan. No. 1,049,431; Jan. 7; Gaz. vol. 186; p. 38.
- Williams, Eugene B., assignor to B. F. Sturtevant Company, Boston, Mass. Centrifugal fan. No. 1,059,802; Apr. 22; Gaz. vol. 189; p. 913.
- Williams, Eugene B., assignor to B. F. Sturtevant Company, Boston, Mass. Centrifugal fan. No. 1,072,549; Sept. 9; Gaz. vol. 194; p. 330.
- Williams, Fairfax, Bakersfield, Cal. Match-box. No. 1,049,788; Jan. 7; Gaz. vol. 186; p. 160.
- Williams Folding Box Company. (See Williams, Henry J., assignor.)
- Williams, Frank E., Los Angeles, Cal. Reinforcing device for the backs of paper-covered books. No. 1,067,704; July 15; Gaz. vol. 192; p. 685.
- Williams, Frank H., Buffalo, N. Y. Twisting-die. No. 1,053,081; Feb. 11; Gaz. vol. 187; p. 455.
- Williams, Frank H., Buffalo, N. Y. Clutch. No. 1,055,433; Mar. 11; Gaz. vol. 188; p. 299.
- Williams, Frank O. (See Witsil, Charles W., assignor.)
- Williams, George H. (See Kunkel and Williams.)
- Williams, George H. C., Metuchen, assignor to Otis Elevator Company, Jersey City, N. J. Spiral gravity-conveyer. No. 1,069,049; July 29; Gaz. vol. 192; p. 1220.
- Williams, George W., New York, assignor of one-half to T. E. Clark, Brooklyn, N. Y. Tie-holder. No. 1,058,650; Apr. 8; Gaz. vol. 189; p. 474.
- Williams, Grant B., Seattle, Wash. Templet device. No. 1,065,994; July 1; Gaz. vol. 192; p. 32.
- Williams, Guy V. (See Farkas, Karl, assignor.)
- Williams, Harry L. (See Bente, Henry K., assignor.)
- Williams, Harry R., assignor to The Johns-Pratt Company, Hartford, Conn. Inclosed fuse. No. 1,054,068; Feb. 25; Gaz. vol. 187; p. 872.
- Williams, Harry S., San Diego, assignor of two-thirds to J. McMillen, Teralta, San Diego, Cal. Vaginal syringe. No. 1,067,497; July 15; Gaz. vol. 192; p. 616.
- Williams, Harvey C. (See Harrison, David M., assignor.)
- Williams, Harvey D., and R. Janney, New York, N. Y. Oscillation-control mechanism. No. 1,062,561; May 20; Gaz. vol. 190; p. 753.
- Williams, Harvey D., and R. Janney, New York, N. Y., assignors to Waterbury Tool Company, Waterbury, Conn. Speed-adjusting means for rotary hydraulic devices. No. 1,062,071; May 20; Gaz. vol. 190; p. 589.
- Williams, Henry C., Milwaukee, Wis. Sewer-trap. No. 1,081,354; Dec. 16; Gaz. vol. 197; p. 562.
- Williams, Henry J., assignor to Williams Folding Box Company, Chicago, Ill. Folding box. No. 1,054,378; Feb. 25; Gaz. vol. 187; p. 979.
- Williams, Henry S., *et al.* (See Holst, Lodewyk J. R., assignor.)
- Williams, Hiram O. (See Gunn, Selim W., assignor.)
- Williams, Ira C. (See Williams, Charles F. and I. C.)
- Williams, J. Harry, *et al.* (See Gregory, Horace B. and I. F., assignors.)
- Williams, James E. and W. L., Willimantic, Conn. Train control. No. 1,075,133; Oct. 7; Gaz. vol. 195; p. 188.
- Williams, James P., assignor to The De Long Hook and Eye Company, Philadelphia, Pa. Snap-fastener. No. 1,080,614; Dec. 9; Gaz. vol. 197; p. 273.
- Williams, John, Colt, Ark. Shredder. No. 1,058,010; Apr. 1; Gaz. vol. 189; p. 210.
- Williams, John B., assignor of one-half to E. Blomquist, San Francisco, Cal. Reversible flush-valve. No. 1,062,868; May 27; Gaz. vol. 190; p. 896.
- Williams, John F., Wassaic, N. Y. Acetylene-gas generator. No. 1,057,989; Apr. 1; Gaz. vol. 189; p. 202.
- Williams, John F., Detroit, Mich. Sanding device for automobiles. No. 1,081,477; Dec. 16; Gaz. vol. 197; p. 603.
- Williams, John J., Pocatello, Idaho. Razor. No. 1,059,016; Apr. 15; Gaz. vol. 189; p. 642.
- Williams, John L. (See Chapman, James W., assignor.)
- Williams, John L., Philadelphia, Pa. Gas-burner. No. 1,058,125; Apr. 8; Gaz. vol. 189; p. 295.
- Williams, John L., Los Angeles, Cal. Flushing-valve. No. 1,078,113; Nov. 11; Gaz. vol. 196; p. 331.
- Williams, John L., Jr., Jackson, Tenn. Sanitary drinking-fountain. No. 1,062,209; May 20; Gaz. vol. 190; p. 637.
- Williams, John M., Jr., Greenwich, Conn. Illuminated sign. No. 1,054,954; Mar. 4; Gaz. vol. 188; p. 101.
- Williams, John N., Derby, Conn. Flying-machine. No. 1,076,803; Oct. 28; Gaz. vol. 195; p. 874.

Alphabetical list of patentees—Continued.

- Williams, John P., and H. Huhn, New York, N. Y., assignors to Electric Bank Protection Company. Automatic resetting alarm cut-out for electric burglar-alarm systems. No. 1,082,667; Dec. 30; Gaz. vol. 197; p. 1069.
- Williams, John R. (See Schuh, Frank, assignor.)
- Williams, John T., *et al.* (See Gregory, Horace B. and I. F., assignors.)
- Williams, John T., Sans Souci, N. C. Logging-car. No. 1,069,050; July 29; Gaz. vol. 192; p. 1220.
- Williams, John T., Swansea, Wales. Clutch mechanism. No. 1,077,776; Nov. 4; Gaz. vol. 196; p. 184.
- Williams, John T. B., assignor of one-half to C. R. Custard, Vicksburg, Miss. Permutation-padlock. No. 1,074,029; Sept. 23; Gaz. vol. 194; p. 904.
- Williams, John W., San Antonio, Tex. Oven. No. 1,056,077; Mar. 18; Gaz. vol. 188; p. 549.
- Williams, John W., Dixon, Tex. Fly-fan. No. 1,074,917; Oct. 7; Gaz. vol. 195; p. 112.
- Williams, Joseph. (See Nispel, Norman C., assignor.)
- Williams, Joseph, W. H., and E. R., Sharpsburg, Pa. Disinfecter or deodorizer. (Reissue.) No. 13,551; Apr. 8; Gaz. vol. 189; p. 494.
- Williams, Joseph S., Riverton, N. J. Pier or wharf. No. 1,049,432; Jan. 7; Gaz. vol. 186; p. 39.
- Williams, Joseph S., Riverton, N. J. Transportation system. No. 1,050,320; Jan. 14; Gaz. vol. 186; p. 374.
- Williams, Joseph S., Riverton, N. J. Waterway concrete and reinforced concrete construction. No. 1,051,043; Jan. 21; Gaz. vol. 186; p. 659.
- Williams, Joseph S., Riverton, N. J. Constructing subaqueous tunnels. No. 1,072,068; Sept. 2; Gaz. vol. 194; p. 136.
- Williams, Laura A., Hazel Creek, Cal. Canopy-support. No. 1,053,337; Feb. 18; Gaz. vol. 187; p. 588.
- Williams, Lee B., Lemon Grove, Cal. Artificially coloring citrus fruit. No. 1,061,253; May 6; Gaz. vol. 190; p. 236.
- Williams, Leon, Toledo, Ohio. Radiator. No. 1,055,434; Mar. 11; Gaz. vol. 188; p. 300.
- Williams, Louis, Denver, Colo. Locking-hook. No. 1,065,857; June 24; Gaz. vol. 191; p. 1017.
- Williams, Louis, Denver, Colo. Locking device for umbrellas, &c. No. 1,065,858; June 24; Gaz. vol. 191; p. 1017.
- Williams, Louis N. D. (See Butz, Walter D., assignor.)
- Williams, Lutan A., Marietta, N. C. Heat-distributing apparatus. No. 1,077,324; Nov. 4; Gaz. vol. 196; p. 29.
- Williams, Maurice O., Detroit, assignor, by mesne assignments, to Daisy Manufacturing Company, Plymouth, Mich. Razor-strop. No. 1,072,288; Sept. 2; Gaz. vol. 194; p. 209.
- Williams Mill Manufacturing Company. (See Williams, Edgar V., assignor.)
- Williams, Milton F., assignor to Williams Patent Crusher and Pulverizer Company, St. Louis, Mo. Feeding mechanism for pulverizers. No. 1,051,044; Jan. 21; Gaz. vol. 186; p. 660.
- Williams, Milton F., assignor to Williams Patent Crusher & Pulverizer Company, St. Louis, Mo. Pulverizer. No. 1,055,686; Mar. 11; Gaz. vol. 188; p. 382.
- Williams, Milton F., assignor to Williams Patent Crusher & Pulverizer Company, St. Louis, Mo. Shredding-hammer. No. 1,078,650; Nov. 18; Gaz. vol. 196; p. 547.
- Williams, Nathaniel, Owosso, Mich. Scaffold-jack. No. 1,050,585; Jan. 14; Gaz. vol. 186; p. 467.
- Williams Patent Crusher and Pulverizer Company. (See Williams, Milton F., assignor.)
- Williams, Peter P., Malvern, Iowa, assignor of one-half to W. A. Airis, Chicago, Ill. Twine-holder. No. 1,054,730; Mar. 4; Gaz. vol. 188; p. 26.
- Williams, Price H., Seattle, Wash. Vaporizer and burner. No. 1,052,635; Feb. 11; Gaz. vol. 187; p. 303.
- Williams, Raymond H., Shamokin, Pa. Safety device for cable-railways. No. 1,055,249; Mar. 4; Gaz. vol. 188; p. 198.
- Williams, Reuben, C. B. Titus, and H. W. Lindenmuth, Harrisburg, Ill. Separator. No. 1,067,088; July 8; Gaz. vol. 192; p. 437.
- Williams, Richard P., Brooklyn, N. Y. Rail-joint. No. 1,065,488; June 24; Gaz. vol. 191; p. 892.
- Williams, Robert L., Newton, Mass., assignor to Submarine Signal Company, Waterville, Me. Sound-screen. No. 1,067,207; July 8; Gaz. vol. 192; p. 480.
- Williams, Rufus M. (See Thompson, Samuel O., assignor.)
- Williams, Samuel D., Newport, Wales. Enumeration of telephone-calls. No. 1,074,677; Oct. 7; Gaz. vol. 195; p. 32.
- Williams, Samuel D., and H. C. Sanders, Newport, England. Bread and butter cutting machine. No. 1,070,217; Aug. 12; Gaz. vol. 193; p. 418.
- Williams, Sarah E., Brooklyn, and T. A. Campbell, New York, N. Y. Holding and expelling device for collapsible tubes. No. 1,073,007; Sept. 9; Gaz. vol. 194; p. 493.
- Williams, Sidney, San Francisco, Cal. Extracting precious metals from their ores. No. 1,056,311; Mar. 18; Gaz. vol. 188; p. 628.
- Williams, Theodore V., Greer, S. C., assignor to W. C. Rector, Hendersonville, N. C. Shaft-holder. No. 1,050,413; Jan. 14; Gaz. vol. 186; p. 406.
- Williams, Thomas B. (See Smith and Williams.)
- Williams, Thomas H., Buxton, Iowa. Transmission device. No. 1,061,893; May 13; Gaz. vol. 190; p. 487.
- Williams, Wade W., Providence, R. I. Cuff-pin. No. 1,066,352; July 1; Gaz. vol. 192; p. 158.
- Williams, Wilbur S., Minneapolis, Minn. Steering device for traction-engines. No. 1,076,340; Oct. 21; Gaz. vol. 195; p. 658.
- Williams, William E., Chicago, Ill. Chewing-gum composition. No. 1,052,872; Feb. 11; Gaz. vol. 187; p. 383.
- Williams, William E., Chicago, Ill. Machine for making shredded-wheat biscuits or similar articles. No. 1,062,627; May 27; Gaz. vol. 190; p. 818.
- Williams, William G., Vinita, Okla. Attachment for suitcases and the like. No. 1,062,752; May 27; Gaz. vol. 190; p. 858.
- Williams, William H. (See Williams, Joseph, W. H., and E. R.) (Reissue.)
- Williams, William J., and J. C. Bowman, Chicago, Ill. Force-pump. No. 1,069,750; Aug. 12; Gaz. vol. 193; p. 258.
- Williams, William L. (See Williams, James E. and W. L.)
- Williams, William R. (See Freeman and Williams.)
- Williams, William W., Indianapolis, Ind., assignor to W. J. Garrett, Chicago, Ill. Child's carriage. No. 1,073,379; Sept. 16; Gaz. vol. 194; p. 659.
- Williams, Winfield B., Waxahachie, Tex. Juice-extractor. No. 1,054,731; Mar. 4; Gaz. vol. 188; p. 27.
- Williamson, Chester, San Francisco, Cal. Signal apparatus. No. 1,078,978; Nov. 18; Gaz. vol. 196; p. 661.
- Williamson, Edward, Chicago, Ill. Vehicle-tire. No. 1,060,301; Apr. 29; Gaz. vol. 189; p. 1154.
- Williamson, Ernest A. and I. W., Greeneville, Tenn. Broom. No. 1,064,271; June 10; Gaz. vol. 191; p. 411.
- Williamson, George S., Elk Grove, Cal. Irrigating apparatus. No. 1,079,817; Nov. 25; Gaz. vol. 196; p. 983.
- Williamson, George S., assignor of one-third to A. T. Johnston, McKeesport, Pa. Signal system. No. 1,063,096; May 27; Gaz. vol. 190; p. 972.
- Williamson, Glenn S. (See Egnor, Theodore L., assignor.)
- Williamson, Ira W. (See Williamson, Ernest A. and I. W.)
- Williamson, James C., Dudley, Ga. Stump-puller. No. 1,057,473; Apr. 1; Gaz. vol. 189; p. 26.
- Williamson, James F., *et al.* (See Pearson, John, assignor.)
- Williamson, John, New York, assignor of one-half to N. J. Mokler, Brooklyn, N. Y. Computing device. No. 1,076,929; Oct. 28; Gaz. vol. 195; p. 919.
- Williamson, John W., New York, N. Y. Safety hair cutter. No. 1,074,678; Oct. 7; Gaz. vol. 195; p. 32.
- Williamson Machinery Company. (See Williamson, Romeo, assignor.)
- Williamson, Newton H., assignor of one-third to W. T. Aydelott and one-third to W. C. Deuberry, Greenfield, Tenn. Rail-joint. No. 1,066,563; July 8; Gaz. vol. 192; p. 258.
- Williamson, Riley B. (See Sibley, William P., assignor.)
- Williamson, Robert B. (See Powell and Williamson.)
- Williamson, Robert B., Milwaukee, Wis., assignor to Allis-Chalmers Company. Filter. No. 1,049,789; Jan. 7; Gaz. vol. 186; p. 161.
- Williamson, Romeo, assignor to Williamson Machinery Company, Milwaukee, Wis. Machine for forming hollow glassware. No. 1,080,742; Dec. 9; Gaz. vol. 197; p. 317.
- Willich, John G., assignor of one-fourth to C. Steele, Elm Creek, Nebr. Attachment for cash-registers. No. 1,081,478; Dec. 16; Gaz. vol. 197; p. 603.
- Willigerod, Oscar, *et al.* (See Sayre, Theodore J., assignor.)
- Willis, Albert C., Columbus, Ohio. Churn. No. 1,072,801; Sept. 9; Gaz. vol. 194; p. 416.
- Willis, Charles G. (See Alexander, Jesse, assignor.)
- Willis Electric Meter Co., The. (See Crook, Charles M., assignor.)
- Willis, Elmer E., assignor of one-half to A. St. Amont, Minnetto, N. Y. Concrete-mixer. No. 1,074,918; Oct. 7; Gaz. vol. 195; p. 112.
- Willis, Francis M., Ithaca, N. Y. Amalgam-mixer. No. 1,066,691; July 8; Gaz. vol. 192; p. 305.
- Willis, George M., Chicago, Ill. Electric horn. No. 1,076,181; Oct. 21; Gaz. vol. 195; p. 602.
- Willis, Leland, assignor to Bateman Manufacturing Company, Grenloch, N. J. Duplex seeding device. No. 1,049,960; Jan. 7; Gaz. vol. 186; p. 216.
- Willis, Leland, assignor to Bateman Manufacturing Company, Grenloch, N. J. Barrel-truck. No. 1,050,895; Jan. 21; Gaz. vol. 186; p. 607.
- Willis, Leland, assignor to Bateman Manufacturing Company, Grenloch, N. J. Pumping apparatus. No. 1,081,181; Dec. 9; Gaz. vol. 197; p. 464.
- Willis, Prior F., St. Louis, Mo. Torch. No. 1,070,866; Aug. 19; Gaz. vol. 193; p. 678.
- Willis, Robert F., Gotebo, Okla. Windrower attachment for mowers. No. 1,080,397; Dec. 2; Gaz. vol. 197; p. 170.
- Willis, Robert W., Sapulpa, Okla. Combined gas, wood, or coal stove. No. 1,050,586; Jan. 14; Gaz. vol. 186; p. 467.

Alphabetical list of patentees—Continued.

- Willison, Ella K., Chicago, Ill. Multiple-needle holder for electrolysis. No. 1,070,370; Aug. 12; Gaz. vol. 193; p. 471.
- Willison, John, Derby, England, assignor to The National Malleable Castings Company, Cleveland, Ohio. Car-coupling mechanism. No. 1,060,571; Apr. 29; Gaz. vol. 189; p. 1249.
- Willison, John, Derby, England, assignor to The National Malleable Castings Company, Cleveland, Ohio. Car-coupling mechanism. No. 1,073,453; Sept. 16; Gaz. vol. 194; p. 685.
- Williston, Belvin T., Somerville, Mass., assignor to The United Injector Company, New York, N. Y. Water-heater. No. 1,072,197; Sept. 2; Gaz. vol. 194; p. 180.
- Willits, Albert H., Indianapolis, Ind. Plow. No. 1,052,544; Feb. 11; Gaz. vol. 187; p. 271.
- Willits, Robert L., Corona, assignor to G. D. Parker, Riverside, Cal. Elevating-conveyer. No. 1,070,759; Aug. 19; Gaz. vol. 193; p. 645.
- Willits, William P. (See Singiser, John P., assignor.)
- Willman, Herman V., Chicago, Ill. Lighting-fixture. No. 1,053,689; Feb. 18; Gaz. vol. 187; p. 708.
- Willmann, Joseph, Derby, Conn. Homogenizer. No. 1,070,218; Aug. 12; Gaz. vol. 193; p. 418.
- Willmann, Joseph, assignor to Dairy Machinery and Construction Company, Incorporated, Derby, Conn. Treating butter-fat and converting same into cream. No. 1,058,508; Apr. 8; Gaz. vol. 189; p. 427.
- Willmann, Paul, Berlin, Germany. Spring-controlled mechanism. No. 1,068,290; July 22; Gaz. vol. 192; p. 919.
- Willmer, Arnold, Hanover-Kleeefeld, Germany. Piston for internal-combustion engines. No. 1,065,289; June 17; Gaz. vol. 191; p. 786.
- Willmott, Charles, Smethwick, England. Solder for aluminium. No. 1,078,114; Nov. 11; Gaz. vol. 196; p. 332.
- Willock, Andrew D., Mason City, Ill. Harrow. No. 1,064,038; June 10; Gaz. vol. 191; p. 331.
- Willoughby, Alfred B. (See Brandt, Charles M., assignor.)
- Willoughby, John, New York, assignor of one-half to G. W. Bayley, Brooklyn, N. Y. Internal-combustion engine. No. 1,077,381; Nov. 4; Gaz. vol. 196; p. 49.
- Willoughby, John, New York, assignor of one-half to G. W. Bayley, Brooklyn, N. Y. Internal-combustion engine. No. 1,079,622; Nov. 25; Gaz. vol. 196; p. 914.
- Willoughby, Victor, Jeffersonville, Ind., assignor to American Car and Foundry Company, St. Louis, Mo. Centering device. No. 1,052,780; Feb. 11; Gaz. vol. 187; p. 350.
- Willoughby, Victor, Jeffersonville, Ind., assignor to American Car and Foundry Company, St. Louis, Mo. Mail-pouch rack. No. 1,052,781; Feb. 11; Gaz. vol. 187; p. 351.
- Willour, Le Roy, assignor to The Ashland Manufacturing Company, Ashland, Ohio. Tire-saver. No. 1,071,378; Aug. 26; Gaz. vol. 193; p. 884.
- Willows, Ernest T., Cardiff, England. Airship, aeroplane, or aerostat. No. 1,061,434; May 13; Gaz. vol. 190; p. 333.
- Wills, Albert P., New York, N. Y. Gearing. No. 1,081,642; Dec. 16; Gaz. vol. 197; p. 656.
- Wills, Albert P., New York, N. Y. Gearing. No. 1,081,643; Dec. 16; Gaz. vol. 197; p. 656.
- Wills, Edgar B., Mendota, Ill. Studding support or holder. No. 1,051,301; Jan. 21; Gaz. vol. 186; p. 746.
- Wills, Edgar B., Mendota, Ill. Disk-colter mounting. No. 1,069,636; Aug. 5; Gaz. vol. 193; p. 188.
- Wills, Edgar B., Mendota, Ill. Furrow-gage. No. 1,074,763; Oct. 7; Gaz. vol. 195; p. 61.
- Wills, Edwin C., Frederick, Md. Casting apparatus. No. 1,064,949; June 17; Gaz. vol. 191; p. 675.
- Wills, Edwin C., Frederick, Md. Clutch mechanism. No. 1,082,381; Dec. 23; Gaz. vol. 197; p. 938.
- Wills, Stephen H., Le Grand, Cal. Signal-base for baseball fields. No. 1,066,773; July 8; Gaz. vol. 192; p. 334.
- Wills, Walter B., Baltimore, Md. Sifter. No. 1,067,567; July 15; Gaz. vol. 192; p. 639.
- Willsea, Jasper B., Fruita, Colo. Alarm. No. 1,067,159; July 8; Gaz. vol. 192; p. 463.
- Willsey, Hannah P., Pasadena, Cal. Fabric fence. No. 1,055,586; Mar. 11; Gaz. vol. 188; p. 348.
- Willshaw, D'Arcy A., Carnoustie, Scotland. Apparatus for governing and operating valves. No. 1,066,069; July 1; Gaz. vol. 192; p. 58.
- Willson, Charles C. T., Altoona, Pa. Automatic drop-door rigging. No. 1,080,796; Dec. 9; Gaz. vol. 197; p. 338.
- Willson, Thomas L. (See Haff, Maximilian M., assignor.)
- Willson, Thomas L. (See Haff and Willson.)
- Willson, Thomas L., and M. M. Haff, Ottawa, Ontario, Canada; said Haff assignor to said Willson. Manufacturing an ammonium superphosphate fertilizer. No. 1,062,869; May 27; Gaz. vol. 190; p. 897.
- Willson, Thomas L., and M. M. Haff, Ottawa, Ontario, Canada; said Haff assignor to said Willson. Manufacturing double superphosphate. No. 1,078,887; Nov. 18; Gaz. vol. 196; p. 630.
- Willwerscheid, Theodor R., St. Paul, Minn. Lamp-socket. No. 1,075,318; Oct. 7; Gaz. vol. 195; p. 255.
- Willy, John, San Francisco, Cal. Wave-motor. No. 1,055,378; Mar. 11; Gaz. vol. 188; p. 280.
- Wilmarth Show Case Co. (See Morris, Edmund, assignor.)
- Wilmer, Richard H., Shandon, Ohio. Stamp-molstener. No. 1,076,930; Oct. 28; Gaz. vol. 195; p. 920.
- Wilmer, Walter M. (See Day, William A., assignor.)
- Wilmot, Frank A., Bridgeport, Conn. Rolling-mill. No. 1,071,846; Sept. 2; Gaz. vol. 194; p. 61.
- Wilmot, George W., Hazelton, Pa. Conveyer. No. 1,068,722; July 29; Gaz. vol. 192; p. 1106.
- Wilshusen, John, Chicago, Ill. Soap-holder. No. 1,050,504; Jan. 14; Gaz. vol. 186; p. 440.
- Wilson, Abraham. (See Zeeman, Flad, and Willson.)
- Wilson, Alfred J., Evansville, Ind., assignor of one-third to L. McAlpin and one-third to G. R. Carroll. Switch. No. 1,082,251; Dec. 23; Gaz. vol. 197; p. 892.
- Wilson, Allison H., Hamilton, Ohio. Collapsible box. No. 1,063,488; June 3; Gaz. vol. 191; p. 107.
- Wilson, Almond E., Indianapolis, Ind. Smoke-consumer. No. 1,060,051; Apr. 29; Gaz. vol. 189; p. 1068.
- Wilson, Alvin I. V., Atlanta, assignor of one-third to C. C. Hudson, East Point, Ga. Electromagnetic motor. No. 1,077,179; Oct. 28; Gaz. vol. 195; p. 1000.
- Wilson, Andrew, *et al.* (See Ker, Charles A., assignor.)
- Wilson, Asa B. (See Struck, Philip, assignor.)
- Wilson, Ben H., Portland, Oreg. Clothes-pounder. No. 1,078,183; Nov. 11; Gaz. vol. 196; p. 355.
- Wilson, Ben T., and W. F. Ratcliff, Nacogdoches, Tex. Device for filling ice-cream cones. No. 1,062,940; May 27; Gaz. vol. 190; p. 921.
- Wilson, Benjamin F., Hastings, Nebr. Straw-spreader. No. 1,051,847; Jan. 28; Gaz. vol. 186; p. 961.
- Wilson, Benjamin F., Hastings, Nebr. Portable automobile-elevator. No. 1,077,180; Oct. 28; Gaz. vol. 195; p. 1000.
- Wilson, Charles D., Toledo, Ohio. Firearm. No. 1,054,069; Feb. 25; Gaz. vol. 187; p. 872.
- Wilson, Charles E., assignor to The Shaw-Walker Company, Muskegon, Mich. Desk. No. 1,073,574; Sept. 16; Gaz. vol. 194; p. 725.
- Wilson, Charles E., assignor to The Shaw-Walker Company, Muskegon, Mich. Filing-tray. No. 1,077,500; Nov. 4; Gaz. vol. 196; p. 93.
- Wilson, Charles E., assignor to The Shaw-Walker Company, Muskegon, Mich. Base for filing-cabinets and the like. No. 1,080,874; Dec. 9; Gaz. vol. 197; p. 365.
- Wilson, Charles H., New York, N. Y., assignor, by mesne assignments, to M. C. Baker, Stamford, Conn. Apparatus for graphically portraying games or other events. No. 1,068,377; July 22; Gaz. vol. 192; p. 949.
- Wilson, Clarence C., assignor to The Warner Brothers Company, Bridgeport, Conn. Non-heat-conducting receptacle. No. 1,076,804; Oct. 28; Gaz. vol. 195; p. 875.
- Wilson, Clifton C., Eureka, Cal. Folding table. No. 1,072,550; Sept. 9; Gaz. vol. 194; p. 330.
- Wilson, Dalton K., and C. L. Tutt, assignors to The William Galloway Company, Waterloo, Iowa. Variable-speed-transmission mechanism. No. 1,051,475; Jan. 28; Gaz. vol. 186; p. 837.
- Wilson, David, *et al.* (See Walker, Harold S., assignor.)
- Wilson, David, Kansas City, Mo. Earth-auger. No. 1,074,304; Sept. 30; Gaz. vol. 194; p. 1024.
- Wilson, David H., *et al.*, trustees. (See Wilson, David H., assignor.)
- Wilson, David H., Chicago, Ill. Electric battery. No. 1,072,551; Sept. 9; Gaz. vol. 194; p. 330.
- Wilson, David H., assignor, by mesne assignments, to D. H. Wilson and R. Bines, trustees, New York, N. Y. Telephone-repeater. No. 1,059,690; Apr. 22; Gaz. vol. 189; p. 906.
- Wilson, Dennis M., assignor of one-half to F. S. Saunders, Muncie, Ind. Ignition-timing device for magnetos. No. 1,060,871; May 6; Gaz. vol. 190; p. 106.
- Wilson, Earl M. (See McCuningham and Wilson.)
- Wilson, Edward B., Worland, Wyo. Ditching-machine. No. 1,077,777; Nov. 4; Gaz. vol. 196; p. 184.
- Wilson, Edward E., Cleveland, Ohio. Advertising device. No. 1,057,197; Mar. 25; Gaz. vol. 188; p. 964.
- Wilson, Edwin B., Brooklyn, N. Y., and C. I. Robinson, Pittsburgh, Pa. Advertising-order record. No. 1,079,461; Nov. 25; Gaz. vol. 196; p. 858.
- Wilson, Edwin H., Oxford, Mass. Reversible wardrobe. No. 1,067,291; July 15; Gaz. vol. 192; p. 546.
- Wilson, Ellis F., *et al.* (See Honey, William B., assignor.)
- Wilson, Ervon J. (See Cook and Wilson.)
- Wilson, Fergus F., Brooklyn, N. Y., assignor to Mergenthaler Linotype Company. Printing bar or slug. No. 1,079,086; Nov. 18; Gaz. vol. 196; p. 700.
- Wilson, Francis P., Chicago, Ill. Boiler-tube cleaner. No. 1,062,941; May 27; Gaz. vol. 190; p. 922.
- Wilson, Frank E., Dayton, Ohio. Map rolling and reversing device. No. 1,081,644; Dec. 16; Gaz. vol. 197; p. 657.
- Wilson, Frank T., Stillwater, Minn. Cabinet-stand for electric picture-projection apparatus. No. 1,065,756; June 24; Gaz. vol. 191; p. 983.
- Wilson, Frank T., Stillwater, Minn. Machine for projecting pictures by sunlight. No. 1,065,757; June 24; Gaz. vol. 191; p. 984.

Alphabetical list of patentees—Continued.

- Wilson, Franklin A., Hagerman, Idaho. Reinforced-concrete railway-tie. No. 1,078,712; Nov. 18; Gaz. vol. 196; p. 570.
- Wilson, Fred C., Palouse, Wash. Can-opener. No. 1,081,645; Dec. 16; Gaz. vol. 197; p. 657.
- Wilson, Frederick A., New York, N. Y. Ventilating-register. No. 1,070,312; Aug. 12; Gaz. vol. 193; p. 451.
- Wilson, Frederick E., Bradford, Pa. Antiseptic sewage-vault for closets. No. 1,079,970; Dec. 2; Gaz. vol. 197; p. 17.
- Wilson, George, Boston, Mass. Recording mechanism. No. 1,056,748; Mar. 18; Gaz. vol. 188; p. 780.
- Wilson, George, assignor to Emerson-Brantingham Company, Rockford, Ill. Mowing-machine. No. 1,081,920; Dec. 16; Gaz. vol. 197; p. 749.
- Wilson, George E., Stillwater, Minn., assignor to M. Rumely Company, Laporte, Ind. Wrist-pin and fastener for pistons. No. 1,054,262; Feb. 25; Gaz. vol. 187; p. 938.
- Wilson, George E., Stillwater, Minn., assignor to M. Rumely Company, Laporte, Ind. Combined safety cranking device, clutch, and pulley for explosive-engines. No. 1,069,751; Aug. 12; Gaz. vol. 193; p. 258.
- Wilson, George L. (See Cherney, Anton F., assignor.)
- Wilson, George W., Pittsburgh, Pa. Game apparatus. No. 1,051,045; Jan. 21; Gaz. vol. 186; p. 660.
- Wilson, George W., Vineland, N. J. Feeding device for animals. No. 1,057,104; Mar. 25; Gaz. vol. 188; p. 932.
- Wilson, Harold. (See Kerr and Wilson.)
- Wilson, Harry, *et al.* (See Torney, John H., assignor.)
- Wilson, Harry, Vancouver, British Columbia, Canada. Sheave-block. No. 1,050,896; Jan. 21; Gaz. vol. 186; p. 607.
- Wilson, Harry D., Jackson, Mich. Cutter. No. 1,055,587; Mar. 11; Gaz. vol. 188; p. 348.
- Wilson, Harry L., Cleveland, Ohio, assignor, by mesne assignments, to The Lamson Company, Boston, Mass. Parcel-elevator mechanism. No. 1,081,259; Dec. 9; Gaz. vol. 197; p. 491.
- Wilson, Harry T., Chicago, Ill. Wrench. No. 1,070,569; Aug. 19; Gaz. vol. 193; p. 582.
- Wilson, Herbert S., St. Louis, Mo. Machinery for production of liquid and moisture proof packages. No. 1,070,933; Aug. 19; Gaz. vol. 193; p. 699.
- Wilson-Hoyt Company. (See Wilson, John, assignor.)
- Wilson, Hubert W. (See Nance, James W., assignor.)
- Wilson, James A., Arkansas City, Kans. Irrigating-tile. No. 1,070,760; Aug. 19; Gaz. vol. 193; p. 645.
- Wilson, James D., San Diego, Cal. Wrench. No. 1,060,391; Apr. 29; Gaz. vol. 189; p. 1187.
- Wilson, James M., assignor to H. C. Stevenson, trustee, Toronto, Ontario, Canada. Rotary pump and motor. No. 1,079,384; Nov. 25; Gaz. vol. 196; p. 831.
- Wilson, James P. (See Wilkins, Harry, assignor.)
- Wilson, James S., Chelsea, Mass. Apparatus for vulcanizing rubber articles and the like. No. 1,062,072; May 20; Gaz. vol. 190; p. 590.
- Wilson, John, assignor to Wilson-Hoyt Company, Short Hills, N. J. Apparatus for forming benches for green-houses. No. 1,065,417; June 24; Gaz. vol. 191; p. 869.
- Wilson, John, assignor of one-half to J. Aun, Chicago, Ill. Power-press. No. 1,073,831; Sept. 23; Gaz. vol. 194; p. 836.
- Wilson, John H., New Kensington, Pa. Cooking utensil. No. 1,072,892; Sept. 9; Gaz. vol. 194; p. 451.
- Wilson, John M., Montclair, assignor to Wilson Remover Company, Newark, N. J. Making finish-removers. No. 1,074,305; Sept. 30; Gaz. vol. 194; p. 1025.
- Wilson, John T., Jersey Shore, Pa. Piston-valve. No. 1,072,681; Sept. 9; Gaz. vol. 194; p. 374.
- Wilson, John T., Jersey Shore, Pa. Piston-valve. No. 1,072,682; Sept. 9; Gaz. vol. 194; p. 375.
- Wilson, John T., Jersey Shore, Pa. Packing for piston-valves. No. 1,072,683; Sept. 9; Gaz. vol. 194; p. 375.
- Wilson, John W., Boston, Mass. Flying-machine. No. 1,055,379; Mar. 11; Gaz. vol. 188; p. 281.
- Wilson, Joseph O., Chester, Pa. Key-puller. No. 1,060,872; May 6; Gaz. vol. 190; p. 107.
- Wilson, Leonard B., Otter Creek, Fla. Switch. No. 1,071,980; Sept. 2; Gaz. vol. 194; p. 106.
- Wilson, Levi B., Philadelphia, Pa. Automobile-wheel. No. 1,057,907; Apr. 1; Gaz. vol. 189; p. 175.
- Wilson, Loren B. (See Stephenson and Wilson.)
- Wilson, Luloff, Chicago, Ill. Mud-guard support. No. 1,069,506; Aug. 5; Gaz. vol. 193; p. 146.
- Wilson, Luther D., Booneville, Ark. Preserving-house. No. 1,059,803; Apr. 22; Gaz. vol. 189; p. 943.
- Wilson, Luther M., Houston, Tex. Tree-heater. No. 1,054,955; Mar. 4; Gaz. vol. 188; p. 101.
- Wilson, Lydell L., Randolph, N. Y. Ice-manufacturing apparatus. No. 1,068,723; July 29; Gaz. vol. 192; p. 1107.
- Wilson, Lydell L., Randolph, N. Y. Water-cooling apparatus. No. 1,079,087; Nov. 18; Gaz. vol. 196; p. 700.
- Wilson, Minnie. (See Waldron and Wilson.)
- Wilson Motor Starter Company. (See Spohrer, Gregory J., assignor.)
- Wilson, Pinkney H., Pilot Grove, Mo. Gate-latch. No. 1,061,793; May 13; Gaz. vol. 190; p. 456.
- Wilson Re-Enforced Concrete Co., The. (See Allen and Busch, assignors.)
- Wilson Re-Enforced Concrete Company. (See Allen, Charles C., assignor.)
- Wilson Remover Company. (See Wilson, John M., assignor.)
- Wilson, Richard T., assignor of one-half to A. E. Johnson, Hastings, Mich. Artificial bait. No. 1,060,873; May 6; Gaz. vol. 190; p. 107.
- Wilson, Robert M., Victoria Island, Cal. Apparatus for swinging booms. No. 1,062,376; May 20; Gaz. vol. 190; p. 693.
- Wilson, Roland A., Tampa, Fla. Humidor. No. 1,054,159; Feb. 25; Gaz. vol. 187; p. 904.
- Wilson, Roscoe C., *et al.* (See Cooper, Benson P., assignor.)
- Wilson, Roy. (See Garman, Harry B., assignor.)
- Wilson, Samuel E., Vancouver, British Columbia, Canada. Molding device. No. 1,082,382; Dec. 23; Gaz. vol. 197; p. 939.
- Wilson, Sid E., *et al.* (See Black, Albert G., assignor.)
- Wilson-Snyder Centrifugal Pump Company. (See Guy, Albert E., assignor.)
- Wilson, Stella M., *et al.* (See Honey, William B., assignor.)
- Wilson, Stephen G., Philadelphia Pa. Two-part whisk. No. 1,067,292; July 15; Gaz. vol. 192; p. 546.
- Wilson, Wallace, Seattle, Wash. Oil-burner. No. 1,060,149; Apr. 29; Gaz. vol. 189; p. 1100.
- Wilson, Walter R. (See Hopkins and Wilson.)
- Wilson, Willets, *et al.* (See Cooper, Benson P., assignor.)
- Wilson, William, Oakland, Cal. Bottle. No. 1,061,794; May 13; Gaz. vol. 190; p. 456.
- Wilson, William, Oakland, Cal. Bottle-closure. No. 1,066,872; July 8; Gaz. vol. 192; p. 366.
- Wilson, William A. (See Woodhull and Wilson.)
- Wilson, William A., Dallas, Tex. Peanut-planter. No. 1,072,552; Sept. 9; Gaz. vol. 194; p. 330.
- Wilson, William H., St. Paul, Minn. Lateral-motion car-truck. No. 1,057,990; Apr. 1; Gaz. vol. 189; p. 202.
- Wilson, William H., St. Paul, Minn. Lock for freight-car doors. No. 1,058,829; Apr. 15; Gaz. vol. 189; p. 575.
- Wilson, William H., New Bedford, Mass. Loom-Shuttle. No. 1,059,252; Apr. 15; Gaz. vol. 189; p. 722.
- Wilson, William L., Stephens, Ark. Heel-sweep setter. No. 1,058,651; Apr. 8; Gaz. vol. 189; p. 474.
- Wilson, William P. (See Wood and Wilson.)
- Wilson, William W., Los Angeles, Cal. Underreamer. No. 1,078,568; Nov. 11; Gaz. vol. 196; p. 487.
- Wilson, Winnie M., St. Louis, Mo. Hat-pin guard. No. 1,059,691; Apr. 22; Gaz. vol. 189; p. 906.
- Wilson, Wylie G., Elizabeth, assignor to W. G. Wilson Company, Montclair, N. J. Machine for moving and depositing concrete and other material. No. 1,069,308; Aug. 5; Gaz. vol. 193; p. 76.
- Wilson, Wylie G., Elizabeth, assignor to W. G. Wilson Company, Montclair, N. J. Conveying and discharging apparatus. No. 1,069,507; Aug. 5; Gaz. vol. 193; p. 146.
- Wilson, Wylie G., Elizabeth, assignor to W. G. Wilson Company, Montclair, N. J. Magnetically-operated conveying and discharging apparatus. No. 1,071,847; Sept. 2; Gaz. vol. 194; p. 61.
- Wilt, Clinton, Springfield, Mo. Minnow. No. 1,073,199; Sept. 16; Gaz. vol. 194; p. 594.
- Wilt, Dorab W., San Diego, Cal. Electric-circuit lock. No. 1,059,583; Apr. 22; Gaz. vol. 189; p. 871.
- Wiltmann, Franz, Peckeloh, Germany. Apparatus for holding animals while stunning same. No. 1,058,509; Apr. 8; Gaz. vol. 189; p. 428.
- Wilton, George, Hendon, England. Furnace. No. 1,081,073; Dec. 9; Gaz. vol. 197; p. 428.
- Wilton, Ralph P. (See Young and Wilton.)
- Wilton, Ralph P., Wrightsville, Pa. Coin-package. No. 1,076,400; Oct. 21; Gaz. vol. 195; p. 678.
- Wiltse, William J., Lisbon, N. D. Gate-closer. No. 1,063,151; May 27; Gaz. vol. 190; p. 990.
- Wiltz, Clark G., assignor to T. Rubovits, Chicago, Ill. Amusement device. No. 1,076,257; Oct. 21; Gaz. vol. 195; p. 627.
- Wimbish, Glenn R., Hayden, Ariz. Electrified wire-mesh screen. No. 1,059,253; Apr. 15; Gaz. vol. 189; p. 722.
- Wimmer, Alexander W., Chicago, Ill. Artificial tooth. No. 1,070,219; Aug. 12; Gaz. vol. 193; p. 419.
- Wimmer, Karl H., Bremen, Germany, and E. B. Higgins, Wallasey, England. Reduction or hydrogenation of organic compounds, especially the fatty acids and their compounds. No. 1,081,182; Dec. 9; Gaz. vol. 197; p. 465.
- Wimmers, Henry. (See Romer, Wimmers, and Ranley.)
- Wimsett, Smith M., Saylor Park, Ohio. Field-desk. No. 1,049,790; Jan. 7; Gaz. vol. 186; p. 161.
- Winand, Paul, Cologne, Germany. Apparatus for decomposing oxides of nitrogen and the like. No. 1,059,584; Apr. 22; Gaz. vol. 189; p. 871.
- Winandy, Michael, Chicago, Ill. Bench for greenhouses. No. 1,052,545; Feb. 11; Gaz. vol. 187; p. 271.
- Winans, Daniel M. (See Winans, Thomas J. and D. M.)

Alphabetical list of patentees—Continued.

- Winans, George H., Salt Lake City, Utah. Heat-regulator for cars. No. 1,072,408; Sept. 2; Gaz. vol. 194; p. 252.
- Winans, Jonathan C. (See Connor and Winans.)
- Winans Machine Company, The. (See Winans, Thomas J. and D. M., assignors.)
- Winans, R. K. (See Sandidge, John H., assignor.)
- Winans, Thomas J. and D. M., assignors to The Winans Machine Company, Binghamton, N. Y. Vacuum cleaning apparatus. No. 1,078,651; Nov. 18; Gaz. vol. 196; p. 547.
- Winarsky, Edmund, assignor to R. Maurer, Brunswick, Germany. Automatic draining device. No. 1,074,591; Sept. 30; Gaz. vol. 194; p. 1119.
- Winborn, Arthur T., Crumlin, Wales. Apparatus for use by persons working in irrespirable atmospheres or under water. No. 1,077,181; Oct. 28; Gaz. vol. 195; p. 1001.
- Winchel, Rudolph, Webb City, Mo. Barrel-cover. No. 1,057,604; Apr. 1; Gaz. vol. 189; p. 71.
- Winchell, George H. (See Bingman and Winchell.)
- Winchester, Ellis C., Thermopolis, Wyo. Night guard or alarm. No. 1,055,687; Mar. 11; Gaz. vol. 188; p. 383.
- Winchester, Ellis C., Billings, Mont. Machine for topping beets. No. 1,074,827; Oct. 7; Gaz. vol. 195; p. 81.
- Winchester, Fred F., Ellwood City, Pa. Vehicle-axle. No. 1,069,213; Aug. 5; Gaz. vol. 193; p. 44.
- Winchester Repeating Arms Co. (See Bennett, Winchester, assignor.)
- Winchester Repeating Arms Co. (See Johnson, Thomas C., assignor.)
- Winchester Repeating Arms Co. (See Starkweather, Henry W., assignor.)
- Winchester Repeating Arms Co. (See Stevenson, Charles H., assignor.)
- Winchester Repeating Arms Co. (See Uhl, Edward L., assignor.)
- Winchester, Winfred C. (See Waters and Winchester.)
- Wincroft Stove Works. (See Genthner, Charles M., assignor.)
- Winde, Oswald, Lutzschena-Leipzig, Germany. Grain-steeping tank. No. 1,061,713; May 13; Gaz. vol. 190; p. 432.
- Windel, Theodore, Brooklyn, N. Y. Automatic stabilizer for aeroplanes. No. 1,078,888; Nov. 18; Gaz. vol. 196; p. 631.
- Windeler, George E. (See Day and Windeler.)
- Winder, Samuel E., Waltham, Mass., assignor of forty-nine one-hundredths to H. C. Daubenspeck, Washington, Pa. Device for cooling plungers of bottle-blowing machines. No. 1,057,198; Mar. 25; Gaz. vol. 188; p. 964.
- Winder, Samuel E., Waltham, assignor to A. P. Williams, West Upton, Mass. Automatic bottle-blowing machine. No. 1,072,553; Sept. 9; Gaz. vol. 194; p. 331.
- Windhoff, Hans, Berlin, Germany. Rotary motor. No. 1,055,005; Mar. 4; Gaz. vol. 188; p. 120.
- Windle, John, Fostoria, Ohio. Lawn-mower-sharpening device. No. 1,071,195; Aug. 26; Gaz. vol. 193; p. 821.
- Windnagle, Thomas W. (See Guile and Windnagle.)
- Windom, Charles E., Sterling, Ill. Cooling-board. No. 1,057,695; Apr. 1; Gaz. vol. 189; p. 102.
- Window Glass Machine Company, The. (See Maynard, Oliver E., assignor.)
- Window Glass Machine Company. (See Pierce, Lonnie J., assignor.)
- Windsor, Charles H., Palmyra, N. J. Union. No. 1,069,916; Aug. 12; Gaz. vol. 193; p. 315.
- Windsor, Frederick E., Los Angeles, Cal. Clock-dial. No. 1,072,554; Sept. 9; Gaz. vol. 194; p. 331.
- Windsor-Richards, Edgar J., and T. Lewis, Glengarnock, Scotland. Charging apparatus for blast-furnaces. No. 1,061,349; May 13; Gaz. vol. 190; p. 304.
- Windsor-Richards, Walter E., London, England. Manufacture of india-rubber goods. No. 1,069,508; Aug. 5; Gaz. vol. 193; p. 146.
- Windsor, Rufus P., Elkton, and C. H. Boehler, Cripple Creek, Colo. Chuck for rock-drilling machines. No. 1,057,605; Apr. 1; Gaz. vol. 189; p. 72.
- Windus, Fred A., Portage, Wis. Jack. No. 1,065,196; June 17; Gaz. vol. 191; p. 754.
- Windus, Gerald A., Buenos Aires, Argentina. Dehorning apparatus. No. 1,067,451; July 15; Gaz. vol. 192; p. 599.
- Wine Railway Appliance Company, The. (See Wine, William E., assignor.)
- Wine, William E., Wilmington, N. C., assignor to The Wine Railway Appliance Company. Ladder and hand-hold for railway-cars. No. 1,075,455; Oct. 14; Gaz. vol. 195; p. 327.
- Winegarden, Arey V., assignor of one-half to A. J. Palmer, Eldorado, Kans. Folding car step and door. No. 1,052,636; Feb. 11; Gaz. vol. 187; p. 303.
- Winegarden, Arey V., assignor of one-half to A. J. Palmer, Eldorado, Kans. Folding car step and door. No. 1,081,879; Dec. 16; Gaz. vol. 197; p. 736.
- Winegarden, Arey V., assignor of one-half to A. Shelden, Eldorado, Kans. Starting device for explosion-engines. No. 1,052,782; Feb. 11; Gaz. vol. 187; p. 351.
- Wineman, Parker, Chicago, Ill. Fastening device. No. 1,060,726; May 6; Gaz. vol. 190; p. 56.
- Wines, Cephas D., Chicago, Ill. Wheel. No. 1,082,668; Dec. 30; Gaz. vol. 197; p. 1070.
- Winfield Electric Welding Machine Co., The. (See Winfield and Taylor, assignors.)
- Winfield, Joseph H. (See Niederauer and Winfield.)
- Winfield Manufacturing Company, The. (See Taylor, Albertis C., assignor.)
- Winfield Manufacturing Company, The. (See Winfield and Taylor, assignors.)
- Winfield, William C., and A. C. Taylor, assignors to The Winfield Electric Welding Machine Co., Warren, Ohio. Electric spot-welding machine. No. 1,063,097; May 27; Gaz. vol. 190; p. 972.
- Winfield, William C., and A. C. Taylor, assignors to The Winfield Manufacturing Company, Warren, Ohio. Bending and welding machine. No. 1,071,490; Aug. 26; Gaz. vol. 193; p. 920.
- Winfield, William C., and A. C. Taylor; said Taylor assignor to The National Electric Welder Co. and said Winfield assignor to The Winfield Manufacturing Company, Warren, Ohio. Electric welding-machine. No. 1,068,473; July 29; Gaz. vol. 192; p. 1020.
- Winfree, Douglas E. (See Mackorell and Winfree.)
- Winfrey, Edgar M., Wichita Falls, Tex. Coaster-brake. No. 1,066,353; July 1; Gaz. vol. 192; p. 158.
- Wing, Daniel B., assignor to H. E. Hagglund, Chicago, Ill. Mop-holder. No. 1,056,963; Mar. 25; Gaz. vol. 188; p. 883.
- Wing, George C., et al. (See Lipps, Louis P., assignor.)
- Wing, Joseph S. (See Clark and Wing.)
- Winger, Leland D., Stevensville, Ontario, Canada. Cooking-table. No. 1,051,180; Jan. 21; Gaz. vol. 186; p. 706.
- Winger, William W., Wolcott, Ind. Gearing. No. 1,070,761; Aug. 19; Gaz. vol. 193; p. 645.
- Wingett, John N., Denver, assignor of one-half to H. W. Brougher, Eldora, Colo. Separator. No. 1,069,214; Aug. 5; Gaz. vol. 193; p. 44.
- Wingfield, Walter, Ealing, England. Carbureter for petrol-motors. No. 1,052,397; Feb. 4; Gaz. vol. 187; p. 188.
- Winholt, Einar, Alpha, Ill. Condenser and feed-water heater. No. 1,052,988; Feb. 11; Gaz. vol. 187; p. 423.
- Winiacki, Tadeus, Raymond, Wash. Cork-extractor. No. 1,055,377; Mar. 11; Gaz. vol. 188; p. 280.
- Winkel, Christopher, assignor to National Sewing Machine Company, Belvidere, Ill. Revolving-hook sewing-machine. No. 1,049,791; Jan. 7; Gaz. vol. 186; p. 161.
- Winkelman, William. (See Hood, Irwin L., assignor.)
- Winkelmann, Henry F., Nebraska City, Nebr. Roof construction. No. 1,073,551; Sept. 16; Gaz. vol. 194; p. 718.
- Winkelmann, Paul W., Chicago, Ill. Milk-jar holder. No. 1,058,126; Apr. 8; Gaz. vol. 189; p. 295.
- Winkelmeyer, Edward F., Beacon Hill, Mich. Front head for drills. No. 1,061,795; May 13; Gaz. vol. 190; p. 457.
- Winkle, William, Waitsburg, Wash. Ratchet-wrench. No. 1,060,874; May 6; Gaz. vol. 190; p. 107.
- Winkler, Franz, assignor to Schweinfurter Präzisions-Kugel-Lager-Werke Fichtel & Sachs, Schweinfurt, Germany. Four-speed planet-gearing. No. 1,058,510; Apr. 8; Gaz. vol. 189; p. 428.
- Winkler, Frederick G., assignor, by mesne assignments, to B. J. Burns and C. A. Cutler, Buffalo, N. Y. Spring. No. 1,074,582; Sept. 30; Gaz. vol. 194; p. 1115.
- Winkler, Joseph, Neuburg, Germany. Bottle. No. 1,060,052; Apr. 29; Gaz. vol. 189; p. 1068.
- Winkler, Karl, Jersey City, N. J. Bristle-feeding attachment for brush-making machines. No. 1,074,399; Sept. 30; Gaz. vol. 194; p. 1056.
- Winkler, Karl, Schwarzenberg, Germany. Drilling and filling attachment for brush-making machines. No. 1,081,709; Dec. 16; Gaz. vol. 197; p. 677.
- Winkler, Oscar S., assignor of one-third to T. Mass and one-third to A. Blumke, Baltimore, Md. Spoke-tractor. No. 1,059,254; Apr. 15; Gaz. vol. 189; p. 722.
- Winkler, Otto, Cöpenick, Germany, assignor to General Electric Company. Carbureter. No. 1,060,053; Apr. 29; Gaz. vol. 189; p. 1069.
- Winkley, Erastus E., Lynn, Mass. Jack for shoe machinery. No. 1,054,732; Mar. 4; Gaz. vol. 188; p. 27.
- Winkley, Erastus E., Lynn, Mass. Automatic jack. No. 1,054,733; Mar. 4; Gaz. vol. 188; p. 27.
- Winkley, Erastus E., Lynn, Mass. Lasting-machine. No. 1,057,606; Apr. 1; Gaz. vol. 189; p. 72.
- Winkley, Erastus E., Lynn, Mass. Lasting-machine. No. 1,057,607; Apr. 1; Gaz. vol. 189; p. 72.
- Winkley, Erastus E., Lynn, Mass. Automatic shoe-machine. No. 1,067,089; July 8; Gaz. vol. 192; p. 438.
- Winkley, Erastus E., Lynn, Mass. Machine for lacing shoe-uppers. No. 1,075,530; Oct. 14; Gaz. vol. 195; p. 352.
- Winkley, Erastus E., Lynn, Mass. Sole-laying machine. No. 1,081,355; Dec. 16; Gaz. vol. 197; p. 562.
- Winkley, Erastus E., Lynn, Mass. Automatic shoe-machine. No. 1,082,185; Dec. 23; Gaz. vol. 197; p. 868.
- Winkley, Erastus E., Lynn, Mass. Automatic die-press. No. 1,082,669; Dec. 30; Gaz. vol. 197; p. 1070.

Alphabetical list of patentees—Continued.

- Winkley, Erastus E., Lynn, Mass., assignor to United Shoe Machinery Company, Paterson, N. J. Automatic sole-leveling machine. No. 1,054,263; Feb. 25; Gaz. vol. 187; p. 939.
- Winkley, Erastus E., Lynn, Mass., assignor to United Shoe Machinery Company, Paterson, N. J. Sole-pressing machine. No. 1,057,790; Apr. 1; Gaz. vol. 189; p. 135.
- Winkley, Erastus E., Lynn, Mass., assignor to United Shoe Machinery Company, Paterson, N. J. Sole-leveling machine. No. 1,057,908; Apr. 1; Gaz. vol. 189; p. 175.
- Winkley, Frank D., Madison, Wis. Igniter for internal-combustion engines. No. 1,070,649; Aug. 19; Gaz. vol. 193; p. 607.
- Winkley, Frank D., assignor to Madison-Kipp Lubricator Company, Madison, Wis. Lubricator. No. 1,066,238; July 1; Gaz. vol. 192; p. 120.
- Winkmann, William, and E. Miller, Pittsburgh, Pa. Hat-pin-point protector. No. 1,065,197; June 17; Gaz. vol. 191; p. 754.
- Winkstern, Ernest, assignor of two-thirds to P. Yordon, one-twelfth to E. Gallagher, one-twelfth to G. S. Foster, and two-twelfths to W. Miller and M. Littlebetter, Medina, N. Y. Railway-joint. No. 1,064,803; June 17; Gaz. vol. 191; p. 627.
- Winn, Charles F., Milwaukee, Wis., assignor to Joseph T. Ryerson & Son, Chicago, Ill. Cylinder-boring apparatus. No. 1,064,676; June 10; Gaz. vol. 191; p. 550.
- Winn, Charles S., Rockford, Ill. Window-ventilator. No. 1,060,727; May 6; Gaz. vol. 190; p. 56.
- Winn, David J., Sumter, S. C. Wire-stretcher for fences, &c. No. 1,064,413; June 10; Gaz. vol. 191; p. 461.
- Winn, Richard T., Cliftondale, assignor to Leslie Manufacturing Company, Boston, Mass. Receptacle for safety-razor blades. No. 1,057,387; Mar. 25; Gaz. vol. 188; p. 1025.
- Winn, William F., Butte, Mont. Mold. No. 1,069,509; Aug. 5; Gaz. vol. 193; p. 146.
- Winnie, William E., and J. E. Seeley, Los Angeles, Cal. Dry ore-concentrator. No. 1,083,172; Dec. 30; Gaz. vol. 197; p. 1237.
- Winnier, Albert, Dorchester, Mass. Combustion-engine. No. 1,066,564; July 8; Gaz. vol. 192; p. 259.
- Winona Wagon Company. (See Wyman, Alton L., assignor.)
- Winkvist, Victor, assignor of one-third to V. Norrlander and one-third to J. A. Anderson, Rockford, Ill. Pumping mechanism for vacuum-cleaners. No. 1,055,250; Mar. 4; Gaz. vol. 188; p. 198.
- Winsall, George P., Burlington, Wis. Silo. No. 1,076,729; Oct. 28; Gaz. vol. 195; p. 848.
- Winship, Clarence H., Sunrise, Wyo. Folding ax. No. 1,074,764; Oct. 7; Gaz. vol. 195; p. 61.
- Winslow Bro. Company, The. (See Kail, Jackson L., assignor.)
- Winslow, Francis A., Chicago, Ill. Stair. No. 1,081,074; Dec. 9; Gaz. vol. 197; p. 428.
- Winslow, Henry L., Fall River, Mass. Pall. No. 1,080,668; Dec. 9; Gaz. vol. 197; p. 291.
- Winslow, Lenna R., Chicago, Ill., assignor to Triumph Voting Machine Company, Pittsfield, Mass. Voting-machine. No. 1,070,090; Aug. 12; Gaz. vol. 193; p. 374.
- Winslow, Sidney W., Orleans, Mass., assignor to United Shoe Machinery Company, Paterson, N. J. Top lift. No. 1,078,652; Nov. 18; Gaz. vol. 196; p. 547.
- Winslow, Sidney W., Jr., Beverly, Mass., assignor to United Shoe Machinery Company, Paterson, N. J. Gripper. No. 1,053,958; Feb. 18; Gaz. vol. 187; p. 798.
- Winslow, William H., assignor to The Steam Power Devices Company, Chicago, Ill. Muffler. No. 1,049,433; Jan. 7; Gaz. vol. 186; p. 39.
- Winslow, William H., assignor to The Steam Power Devices Company, Chicago, Ill. Flash-boiler. No. 1,065,418; June 24; Gaz. vol. 191; p. 869.
- Winslow, William H., River Forest, assignor to The Steam Power Devices Company, Chicago, Ill. Flash-boiler. No. 1,065,419; June 24; Gaz. vol. 191; p. 869.
- Winsor, Clifford S. (See Doolittle, Winsor, and Vergason.)
- Winsor, Harvey S., New York, N. Y. Siphon-charging mechanism. No. 1,063,145; May 27; Gaz. vol. 190; p. 988.
- Winsor, Paul, Weston, Mass. Corner-piece for window-sashes. No. 1,069,309; Aug. 5; Gaz. vol. 193; p. 77.
- Winstead, Robert E. (See McHenry, John E., assignor.)
- Winston, Oliver J. (See Tomlinson, Fenton, assignor.)
- Winsworth, William H., Youngstown, assignor to The Columbus Railway Supply Company, Columbus, Ohio. Rail-anchor. No. 1,060,728; May 6; Gaz. vol. 190; p. 57.
- Winsworth, William H., Youngstown, assignor to The Columbus Railway Supply Company, Columbus, Ohio. Combined tie-plate and rail-anchor. No. 1,060,729; May 6; Gaz. vol. 190; p. 57.
- Wintemute, Augustus A., Fresno, Cal. Crude-oil burner. No. 1,062,073; May 20; Gaz. vol. 190; p. 590.
- Winter, Andrew, *et al.* (See Watts, Augustus C., assignor.)
- Winter, Arthur F. (See Kade, Charles F., assignor.)
- Winter, Gabriel, Vienna, Austria-Hungary, and F. Eichberg, Berlin, Germany, assignors to General Electric Company. Controlling system for alternating-current machines. No. 1,073,200; Sept. 16; Gaz. vol. 194; p. 595.
- Winter, Gabriel, deceased, (O. Wolfrum, administrator, Vienna, Austria-Hungary,) and F. Eichberg, Berlin, Germany; said Winter and said Eichberg assignors to General Electric Company. Dynamo-electric machine. No. 1,073,201; Sept. 16; Gaz. vol. 194; p. 595.
- Winter, Gabriel, deceased, (O. Wolfrum, administrator, Vienna, Austria-Hungary,) and F. Eichberg, Berlin, Germany; said Winter and said Eichberg assignors to General Electric Company. Dynamo-electric machine. No. 1,073,311; Sept. 16; Gaz. vol. 194; p. 636.
- Winter, Henry W., Washington, D. C. Cuff-holder. No. 1,059,804; Apr. 22; Gaz. vol. 189; p. 944.
- Winter, Henry W., Methuen, Mass., assignor to United Shoe Machinery Company, Paterson, N. J. Leather-rolling machine. No. 1,080,943; Dec. 9; Gaz. vol. 197; p. 388.
- Winter, Henry W., Methuen, Mass., assignor to United Shoe Machinery Company, Paterson, N. J. Leather-rolling machine. No. 1,081,479; Dec. 16; Gaz. vol. 197; p. 604.
- Winter, Hermann, New York, assignor to F. Wesel Manufacturing Company, Brooklyn, N. Y. Machine for trimming curved plates. No. 1,059,805; Apr. 22; Gaz. vol. 189; p. 944.
- Winter, John R., assignor to Detroit Utensil Company, Detroit, Mich. Box. No. 1,075,456; Oct. 14; Gaz. vol. 195; p. 327.
- Winter, Louis F. (See Lowry and Winter.)
- Winter, Rudolph G., Milwaukee, Wis. Suspension-hinge. No. 1,069,364; Aug. 5; Gaz. vol. 193; p. 97.
- Winter, Stephen, Bridgeport, Conn. Car-detaching mechanism. No. 1,060,302; Apr. 29; Gaz. vol. 189; p. 1155.
- Winter, William G. (See Price and Winter.)
- Winter, William G., St. Louis, Mo. Bottle holder and tray. No. 1,061,152; May 6; Gaz. vol. 190; p. 203.
- Winterhoff, Firm of C. H. (See Crolla and Schmitz, assignors.)
- Wintermayr, Josef, Vienna, Austria-Hungary. Powerloom. No. 1,054,734; Mar. 4; Gaz. vol. 188; p. 28.
- Wintermayr, Josef, Vienna, Austria-Hungary. Construction of power-looms. No. 1,080,091; Dec. 2; Gaz. vol. 197; p. 60.
- Winters, David L., Chicago, Ill. Water storing and heating apparatus for boilers. No. 1,079,623; Nov. 25; Gaz. vol. 196; p. 914.
- Winterstein, George. (See Johnson and Winterstein.)
- Winterton Manufacturing Company. (See McQuillan, Isaac G., assignor.)
- Winterton Manufacturing Company. (See McQuillan, Jacob M., assignor.)
- Winthers, Henry, Hampton, Iowa. Crutch. No. 1,063,846; June 3; Gaz. vol. 191; p. 232.
- Winthrop, G. L. (See Anderson, John, assignor.)
- Winton, Alexander, assignor to The Winton Gas Engine and Manufacturing Company, Cleveland, Ohio. Speed-governor. No. 1,082,383; Dec. 23; Gaz. vol. 197; p. 939.
- Winton, Alexander, and H. B. Anderson, assignors to The Winton Motor Carriage Company, Cleveland, Ohio. Two-cycle engine. No. 1,061,796; May 13; Gaz. vol. 190; p. 457.
- Winton Gas Engine and Manufacturing Company, The. (See Winton, Alexander, assignor.)
- Winton Motor Carriage Company, The. (See Winton and Anderson, assignors.)
- Wintroath, John A., assignor to Layne & Bowler Corporation, Los Angeles, Cal. Well mechanism. No. 1,079,679; Nov. 25; Gaz. vol. 196; p. 932.
- Wintroath, John A., assignor to Layne & Bowler Corporation, Los Angeles, Cal. Bearing. No. 1,079,680; Nov. 25; Gaz. vol. 196; p. 933.
- Wintroath, John A., assignor to Layne & Bowler Corporation, Los Angeles, Cal. Boring-stem. No. 1,079,681; Nov. 25; Gaz. vol. 196; p. 933.
- Wintroath, John A., assignor to The Layne & Bowler Corporation, Los Angeles, Cal. Bearing system for rotary well-pumps. No. 1,079,682; Nov. 25; Gaz. vol. 196; p. 934.
- Winzenburg, Frederick C., Chicago, Ill. Toilet-mirror structure. No. 1,050,321; Jan. 14; Gaz. vol. 186; p. 374.
- Wipfler, Eugene, Brooklyn, N. Y. Non-refillable bottle. No. 1,070,220; Aug. 12; Gaz. vol. 193; p. 419.
- Wippermann, Wilhelm. (See Neumann, Louis, assignor.)
- Wippler, Oswald B., St. Louis, Mo. Motor-vehicle. No. 1,064,582; June 10; Gaz. vol. 191; p. 518.
- Wireless Specialty Apparatus Company. (See Pickard, Greenleaf W., assignor.)
- Wireless Vibrator Company. (See Dormont, Frank C., assignor.)
- Wirsching Organ Company, The. (See Wirsching, Philipp, assignor.)
- Wirsching, Philipp, assignor to The Wirsching Organ Company, Salem, Ohio. Musical instrument. No. 1,072,198; Sept. 2; Gaz. vol. 194; p. 181.

Alphabetical list of patentees—Continued.

- Wirsching, Philipp, assignor to The Wirsching Organ Company, Salem, Ohio. Tracker-bar for self-playing musical instruments. No. 1,074,335; Sept. 30; Gaz. vol. 194; p. 1035.
- Wirsing, Andrew, Milwaukee, Wis. Hoisting-bucket. No. 1,060,730; May 6; Gaz. vol. 190; p. 57.
- Wirt, Charles, Germantown, Pa., assignor, by mesne assignments, to The Cutler-Hammer Mfg. Co., Milwaukee, Wis. Hand-wheel. No. 1,056,873; Mar. 25; Gaz. vol. 188; p. 851.
- Wirth, William M., St. Louis, Mo. Separable rim for automobile-wheels. No. 1,076,730; Oct. 28; Gaz. vol. 195; p. 849.
- Wirz, Walter, Lucerne, Switzerland. Door-mat. No. 1,056,139; Mar. 18; Gaz. vol. 188; p. 570.
- Wischhusen, Heinrich, and A. Hepke, Berlin, Germany. Push-button switch. No. 1,061,578; May 13; Gaz. vol. 190; p. 386.
- Wischner, Heinrich O., Leipzig-Entritzsch, Germany. Apparatus for separating oil from steam. No. 1,062,264; May 20; Gaz. vol. 190; p. 656.
- Wisconsin Machinery and Manufacturing Co. (See Vogel, Louis E., assignor.)
- Wisdom, George P., assignor of one-third to W. H. Perry and one-third to J. C. Anderson, Denver, Colo. Air-pump. No. 1,051,360; Jan. 21; Gaz. vol. 186; p. 764.
- Wise, Charles W., Pittsburgh, Pa. Cellular member for egg-cases. No. 1,078,396; Nov. 11; Gaz. vol. 196; p. 432.
- Wise, Frank K., Crawfordsville, Ind. Portable advertising device. No. 1,064,039; June 10; Gaz. vol. 191; p. 331.
- Wise-Harrod Electric Company, The. (See Harrod, Harmon H., assignor.)
- Wise, Henry A., assignor to Rockwell Furniture Company, Rockwell, N. C. Casket-top. No. 1,060,654; May 6; Gaz. vol. 190; p. 30.
- Wise, John F., Onawa, Iowa. Filter. No. 1,074,679; Oct. 7; Gaz. vol. 195; p. 33.
- Wise, John G., Elgin, Ill. Indexing means for record-books. No. 1,069,092; July 29; Gaz. vol. 192; p. 1236.
- Wise Soda Apparatus Company, The. (See Wiechert, Frank T., assignor.)
- Wise, William D., Fargo, N. D. Concrete-mixer. No. 1,071,848; Sept. 2; Gaz. vol. 194; p. 62.
- Wise, William E., Williamsport, Pa. Combination sleigh and wheeled vehicle. No. 1,079,201; Nov. 18; Gaz. vol. 196; p. 740.
- Wiseman, Haldon R., Sawtelle, Cal. Door-securer. No. 1,074,230; Sept. 30; Gaz. vol. 194; p. 1001.
- Wiseman, Philip S., deceased; S. F. Wiseman, executrix. Springfield, Ohio. Padlock. No. 1,081,710; Dec. 16; Gaz. vol. 197; p. 678.
- Wiseman, Sarah F., executrix. (See Wiseman, Philip S.)
- Wishard, John A. (See Hunter, John S., assignor.)
- Wisherd, John A. (See Gregson, William, assignor.)
- Wisherd, John A., et al. (See Watkins, William J., assignor.)
- Wismar, Emil, Los Angeles, Cal. Lawn-sprinkler. No. 1,074,336; Sept. 30; Gaz. vol. 194; p. 1035.
- Wismer, George A., New York, N. Y. Automatic packing. No. 1,052,705; Feb. 11; Gaz. vol. 187; p. 325.
- Wisner, Michael W., Doylestown, Pa. Reinforcement for collar-buttonholes. No. 1,074,077; Sept. 23; Gaz. vol. 194; p. 920.
- Wisniewski, Vincent, assignor to Luftschiffsantrieb Gesellschaft mit beschränkter Haftung, Berlin, Germany. Propelling means for aerial and like vessels. No. 1,063,809; June 3; Gaz. vol. 191; p. 47.
- Wisotzky, Philipp, Frankfort-on-the-Main, Germany. Vent for nursing-nipples. No. 1,066,873; July 8; Gaz. vol. 192; p. 366.
- Wisotzky, Solomon, New York, N. Y. Trousers. No. 1,070,867; Aug. 19; Gaz. vol. 193; p. 679.
- Wissler, Adolph, St. Louis, Mo. Air-gun. No. 1,073,454; Sept. 16; Gaz. vol. 194; p. 686.
- Wissler, Adolph, St. Louis, Mo. Air-gun. No. 1,073,455; Sept. 16; Gaz. vol. 194; p. 686.
- Wissler, Adolph, St. Louis, Mo. Air-gun. No. 1,079,908; Nov. 25; Gaz. vol. 196; p. 1015.
- Wiswell, Ozro N., Snoqualmie, Wash. Electric-switch-operating mechanism. No. 1,067,452; July 15; Gaz. vol. 192; p. 600.
- Wiswell, Ozro N., Snoqualmie, Wash. Electrical switch. No. 1,075,238; Oct. 7; Gaz. vol. 195; p. 224.
- Witham, George S. and I. J., Hudson Falls, N. Y., assignors to The Union Bag & Paper Company. Apparatus for delivering and trimming pulp articles. No. 1,052,114; Feb. 4; Gaz. vol. 187; p. 94.
- Witham, George S., Jr., Hoosick Falls, N. Y. Pulp-wood grinder. No. 1,057,791; Apr. 1; Gaz. vol. 189; p. 135.
- Witham, George S., Sr. (See Witham, Isaac J. and G. S., Sr.)
- Witham, George S., Sr., Hudson Falls, N. Y. Machine for making sheets of paper-pulp. No. 1,072,555; Sept. 9; Gaz. vol. 194; p. 332.
- Witham, George S., Sr., Hudson Falls, N. Y. Pulp-strainer. No. 1,079,818; Nov. 25; Gaz. vol. 196; p. 983.
- Witham, George S., Sr., Hudson Falls, N. Y., assignor to The Union Bag & Paper Company. Machine for making paper or fiber tubes or cores. No. 1,074,680; Oct. 7; Gaz. vol. 195; p. 33.
- Witham, Isaac J. (See Witham, George S. and I. J.)
- Witham, Isaac J. and G. S., Sr., Hudson Falls, N. Y., assignors to The Union Bag & Paper Company. Sheet-delivery feed. No. 1,077,923; Nov. 4; Gaz. vol. 196; p. 234.
- Witherbee Sherman & Co. (See Cheeseman, Lewis, assignor.)
- Withrow, Paul C. (See Bashaw, Cook, and Withrow.)
- Witkowski, Louis C., Washington, D. C. Merchandise-carrying post-card. No. 1,058,830; Apr. 15; Gaz. vol. 189; p. 576.
- Witkowski, Wladyslaw, Pasieczna, near Nadworna, Austria-Hungary. Forging-press. No. 1,055,962; Mar. 11; Gaz. vol. 188; p. 475.
- Witmer, Joel, assignor to Witmer Record Company, Kansas City, Mo. Register system. No. 1,071,491; Aug. 26; Gaz. vol. 193; p. 920.
- Witmer Record Company. (See Witmer, Joel, assignor.)
- Witmer, Robert, Vernal, Utah. Stovepipe-fastener. No. 1,064,950; June 17; Gaz. vol. 191; p. 675.
- Witsil, Charles W., East Stroudsburg, assignor of one-half to F. O. Williams, Analomink, Pa. Means for operating gates. No. 1,073,552; Sept. 16; Gaz. vol. 194; p. 718.
- Witt, Anthony, Danville, Va. Locking device for tack-raceways. No. 1,074,997; Oct. 7; Gaz. vol. 195; p. 139.
- Witt, Otto J. J., Hamburg, Germany. Inhaler. No. 1,063,406; June 3; Gaz. vol. 191; p. 80.
- Witt, Warren E., Raymond, Ill. Swingletree-hook. No. 1,061,435; May 13; Gaz. vol. 190; p. 334.
- Witt, William E., Wichita, assignor of one-half to H. L. Cox, Cedar Vale, Kans. Hay-tester. No. 1,062,678; May 27; Gaz. vol. 190; p. 835.
- Witte, Erhard, Gross-Lichterfelde, near Berlin, assignor to Chemische Fabrik auf Actien, (vorm. E. Schering,) Berlin, Germany. Manufacture of acetyl derivatives of the alkylated iminopyrimidins. No. 1,053,690; Feb. 18; Gaz. vol. 187; p. 708.
- Witte, Frank, Covington, Ky. Paper-holding device for barbers' chairs. No. 1,052,115; Feb. 4; Gaz. vol. 187; p. 94.
- Witte, John E., Melbourne, Iowa. Animal-poke. No. 1,051,181; Jan. 21; Gaz. vol. 186; p. 706.
- Wittman, Adam P., Philadelphia, Pa. Crank-shaft support. No. 1,080,797; Dec. 9; Gaz. vol. 197; p. 338.
- Wittmann, Adolph D. (See Wittmann, Charles R. and A. D.)
- Wittmann, Charles R. and A. D., New York, N. Y. Flying-machine. No. 1,077,111; Oct. 28; Gaz. vol. 195; p. 980.
- Wittenberg, Benjamin W., Riga, Russia. Pneumatic tire. No. 1,069,365; Aug. 5; Gaz. vol. 193; p. 97.
- Witter, William S., Toledo, Iowa. Spark-plug. No. 1,077,325; Nov. 4; Gaz. vol. 196; p. 29.
- Wittich, Frederick A., assignor to The Ashtabula Bow Socket Company, Ashtabula, Ohio. Lock-nut. No. 1,081,356; Dec. 16; Gaz. vol. 197; p. 563.
- Wittich, William F., Erie, Pa. Amusement device. No. 1,062,314; May 20; Gaz. vol. 190; p. 673.
- Wittkopf, Gustave F., assignor to Western Refrigerator & Mfg. Co., St. Louis, Mo. Partition for refrigerators and the like. No. 1,081,418; Dec. 16; Gaz. vol. 197; p. 583.
- Wittkopf, William, Baltimore, Md. Lubricator. No. 1,060,303; Apr. 29; Gaz. vol. 189; p. 1155.
- Wittkowski, Harry B. (See Markowski and Wittkowski.)
- Wittkowski, Leguel A. (See Didschuneit, Julius, assignor.)
- Wittmann, Joseph H., Kansas City, Mo., assignor to Pitless Auto Turntable Company. Automatic turn-table. No. 1,065,091; June 17; Gaz. vol. 191; p. 722.
- Wittnauer & Co., A. (See Giset, Olaf E., assignor.)
- Wittrock, William H., St. Louis, Mo. Roller. No. 1,055,113; Mar. 4; Gaz. vol. 188; p. 155.
- Witty, George, assignor of one-half to S. S. Spruks, Scranton, Pa. Wall-plastering. No. 1,073,008; Sept. 9; Gaz. vol. 194; p. 493.
- Witty, George, assignor of one-half to S. S. Spruks, Scranton, Pa. Street-car. No. 1,079,202; Nov. 18; Gaz. vol. 196; p. 740.
- Witwer, Cornelius. (See Ferrell and Witwer.)
- Witz, Robert K., Chicago, Ill. Illuminating device. No. 1,081,646; Dec. 16; Gaz. vol. 197; p. 657.
- Witzel, Charles J. (See Kreuzkamp, August J., assignor.)
- Witzel, Paul, Berlin-Weissensee, Germany. Autoplane. No. 1,073,648; Sept. 23; Gaz. vol. 194; p. 773.
- Witzenmann, Emil, Pforzheim, Germany. Brake-pipe for railway-cars. No. 1,051,046; Jan. 21; Gaz. vol. 186; p. 660.
- Witzig, Homer A., and J. A. Fremon, Leeper, Mo. Temporary tie-holding device. No. 1,056,078; Mar. 18; Gaz. vol. 188; p. 549.
- Wixel, Samuel M., Sioux City, Iowa. Hay-loader. No. 1,073,649; Sept. 23; Gaz. vol. 194; p. 773.

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- Wixel, Samuel M., Marcus, Iowa. Automatic hitching mechanism for vehicles. No. 1,073,650; Sept. 23; Gaz. vol. 194; p. 774.
- Wixel, Samuel M., Marcus, Iowa. Automatic hitching mechanism. No. 1,073,651; Sept. 23; Gaz. vol. 194; p. 774.
- Wixon, Howard H., assignor to Stromberg Motor Devices Company, Chicago, Ill. Magneto ignition device. No. 1,075,531; Oct. 14; Gaz. vol. 195; p. 352.
- Wixon, Howard H., assignor to Stromberg Motor Devices Company, Chicago, Ill. Interrupter for ignition-dynamos. No. 1,078,233; Nov. 11; Gaz. vol. 196; p. 371.
- Wlodzimirski, Julien, Kielce, Russia. Registering the course and speed of ships. No. 1,073,832; Sept. 23; Gaz. vol. 194; p. 837.
- Wm. B. Mershon & Co. (See Rhinevaunt, Glenn G., assignor.)
- Wm. B. Scaife & Sons Company. (See Davidson, John M., assignor.)
- Wm. Bros Boiler & Mfg. Co. (See Bros, William, assignor.)
- Wm. Cramp & Sons Ship & Engine Building Company, The. (See Metten, John F., assignor.)
- Wm. E. Slaughter Co. (See Schwartz, Edward, assignor.)
- Wm. H. Rich & Son. (See Loughton, John, assignor.)
- Wm. L. Gilbert Clock Company. (See Owen, George B., assignor.)
- Wobst, Paul F., Milwaukee, Wis. Resilient tire. No. 1,051,939; Feb. 4; Gaz. vol. 187; p. 32.
- Woerber, Adam, Denver, Colo. Tip for vehicle shafts, poles, and the like. No. 1,061,436; May 13; Gaz. vol. 190; p. 334.
- Woegerer, Carl. (See Wachtel and Woegerer.)
- Woelfel, Ernest H., assignor to West Virginia Malleable Iron Co., Point Pleasant, W. Va. Corner-post fastener. No. 1,074,919; Oct. 7; Gaz. vol. 195; p. 112.
- Woerheide, William H., St. Louis, Mo. Ready-roofing material. No. 1,055,848; Mar. 11; Gaz. vol. 188; p. 437.
- Woerner, Eugen, Cannstatt, assignor to Firm of R. Bosch, Stuttgart, Germany. Lubricating system. No. 1,062,377; May 20; Gaz. vol. 190; p. 694.
- Woerner, Eugen, Cannstatt, assignor to The Firm of R. Bosch, Stuttgart, Germany. Pump for lubricating systems. No. 1,078,889; Nov. 18; Gaz. vol. 196; p. 631.
- Woerner, Eugen, Cannstatt, assignor to The Firm of R. Bosch, Stuttgart, Germany. Pump for lubricating systems. No. 1,078,890; Nov. 18; Gaz. vol. 196; p. 631.
- Woernley, Harry F., assignor to The Westinghouse Air Brake Company, Pittsburgh, Pa. Uncoupling mechanism. No. 1,071,849; Sept. 2; Gaz. vol. 194; p. 62.
- Wofford, Hosea E., New York, N. Y. Automatic damper-controlled outlet or flue for drying-kilns. No. 1,064,951; June 17; Gaz. vol. 191; p. 675.
- Wogan, Jules M. (See Craig, James A., assignor.)
- Wogenstahl, Leo J., San Antonio, Tex. Lamp-operating mechanism. No. 1,078,115; Nov. 11; Gaz. vol. 196; p. 332.
- Woble Mineral Oil Products (1910) Limited, The. (See Wohle, Salo, assignor.)
- Wohle, Salo, assignor to The Wohle Mineral Oil Products (1910) Limited, London, England. Treating petroleum or other hydrocarbon oils. No. 1,081,801; Dec. 16; Gaz. vol. 197; p. 710.
- Wöhler, Friedrich, Hanover-Linden, Germany, assignor to Western Electric Company, New York, N. Y. Automatic telephone-exchange system. No. 1,054,887; Mar. 4; Gaz. vol. 188; p. 81.
- Wohlfahrt, Theodor. (See Bazlen, Rieger, and Wohlfahrt.)
- Woitinek, Julius, Posen, Germany. Chart for teaching music. No. 1,058,831; Apr. 15; Gaz. vol. 189; p. 576.
- Wojdkow, Louis, assignor to New York Stamping Company, Brooklyn, N. Y. Alcohol-lamp. No. 1,050,587; Jan. 14; Gaz. vol. 186; p. 468.
- Wojdkow, Louis, assignor to New York Stamping Company, Brooklyn, N. Y. Alcohol-lamp. No. 1,070,650; Aug. 19; Gaz. vol. 193; p. 607.
- Wolber, John, Hamilton, Ohio. Trousers-stretcher. No. 1,065,995; July 1; Gaz. vol. 192; p. 32.
- Wolcott, Darwin S., trustee. (See Lyons, David E., assignor.)
- Wolcott, John A., Bandon, Oreg. Concentrator. No. 1,071,492; Aug. 26; Gaz. vol. 193; p. 920.
- Wold, Norman J., Mont Nebo, Saskatchewan, Canada. Rotary engine. No. 1,068,378; July 22; Gaz. vol. 192; p. 949.
- Woldert Grocery Co. (See Gradick, Wiley, Sr., assignor.)
- Woldert Grocery Company. (See Gradick, Wiley N., assignor.)
- Wolf, Andrew C., Sterling, Ill. Fertilizer-distributor. No. 1,069,752; Aug. 12; Gaz. vol. 193; p. 259.
- Wolf, Austin M., New York, N. Y. Internal-combustion engine. No. 1,067,090; July 8; Gaz. vol. 192; p. 438.
- Wolf Electrical Promoting Company, The. (See Meyer, Henry A., assignor.)
- Wolf, Ernest P. A., New York, N. Y. Loose-leaf book. No. 1,078,116; Nov. 11; Gaz. vol. 196; p. 332.
- Wolf, Franz E., Nowawes, near Potsdam, Germany. Differential manometer. No. 1,074,306; Sept. 30; Gaz. vol. 194; p. 1025.
- Wolf, Fred W., Jr. (See Southworth and Wolf.)
- Wolf, Fred W., Jr., and H. H. Southworth, assignors to Iceless Refrigerator Company, Chicago, Ill. Refrigerating apparatus. No. 1,068,617; July 29; Gaz. vol. 192; p. 1070.
- Wolf, Fred W., Jr., and H. H. Southworth, assignors to Iceless Refrigerator Company, Chicago, Ill. Refrigerating apparatus. No. 1,068,618; July 29; Gaz. vol. 192; p. 1070.
- Wolf, Fred W., Jr., and H. H. Southworth, Cleveland, Ohio, assignors, by mesne assignments, to C. E. Mehlihope, Chicago, Ill. Refrigerating apparatus. No. 1,076,537; Oct. 21; Gaz. vol. 195; p. 727.
- Wolf, Hans. (See Bosch, Mittasch, Wolf, and Stern.)
- Wolf, Jacob, Seattle, Wash. Buckle. No. 1,057,363; Mar. 25; Gaz. vol. 188; p. 1019.
- Wolf, John. (See Hawn, Andrew P., assignor.)
- Wolf, John J., San Antonio, Tex. Pencil-sharpener. No. 1,077,778; Nov. 4; Gaz. vol. 196; p. 184.
- Wolf, John L., New York, N. Y. Vehicle-wheel. No. 1,070,570; Aug. 19; Gaz. vol. 193; p. 582.
- Wolf, Linus, Zurich, Switzerland. Apparatus for making ice. No. 1,064,272; June 10; Gaz. vol. 191; p. 412.
- Wolf, Max. (See Schnarr and Wolf.)
- Wolf, Mitchel, and H. Cowen, New York, N. Y. Food product. No. 1,074,483; Sept. 30; Gaz. vol. 194; p. 1083.
- Wolf, Paul, Zwickau, Germany. Igniting device for miners' safety-lamps. No. 1,052,783; Feb. 11; Gaz. vol. 187; p. 352.
- Wolf, Ralph, Franktown, assignor of one-fourth to J. P. McInroy, Larkspur, Colo. Lock-nut. No. 1,073,009; Sept. 9; Gaz. vol. 194; p. 493.
- Wolf, Samuel T., Salt Lake City, Utah. Permutation door-lock. No. 1,067,957; July 22; Gaz. vol. 192; p. 803.
- Wolf, Wilhelm, Gütersloh, Germany. Cartridge-belt for machine-guns. No. 1,067,857; July 22; Gaz. vol. 192; p. 771.
- Wolfe, Arthur P., Vineland, N. J. Tomato-coring machine. No. 1,077,446; Nov. 4; Gaz. vol. 196; p. 73.
- Wolfe, David A., Turin, Iowa. Ship structure. No. 1,061,153; May 6; Gaz. vol. 190; p. 203.
- Wolfe, Edward H., Camas, Wash. Saw-swage. No. 1,077,573; Nov. 4; Gaz. vol. 196; p. 116.
- Wolfe, Jacob C., New York, and E. W. Morton, White Plains, assignors to Automata Company, New York, N. Y. Adding attachment for type-writers. No. 1,062,870; May 27; Gaz. vol. 190; p. 897.
- Wolfe, Jacob M., Lathrop, Cal. Rodent-trap. No. 1,049,634; Jan. 7; Gaz. vol. 186; p. 109.
- Wolfe, Leonard F., North Weymouth, Mass. Blacking-brush. No. 1,060,524; Apr. 29; Gaz. vol. 189; p. 1232.
- Wolfe, Virgil A. (See Sells, George, assignor.)
- Wolfe, William, *et al.*, trustees. (See Dobyne, George A., assignor.)
- Wolfe, William W., Brooksville, Fla. Coupling or clasp for suspenders. No. 1,076,182; Oct. 21; Gaz. vol. 195; p. 602.
- Wolfermann, Carl, New York, N. Y. Folding top for vehicles. No. 1,065,092; June 17; Gaz. vol. 191; p. 722.
- Wolfe, Louis F., Clifton Forge, Va., assignor of one-half to D. F. Harris, Washington, D. C. Visible-draft-bolt chamber. No. 1,049,434; Jan. 7; Gaz. vol. 186; p. 40.
- Wolfe, Otto, Darmstadt, Germany. N-halogenalkyl-C-C-dialkylbarbituric acids and preparation of the same. No. 1,073,380; Sept. 16; Gaz. vol. 194; p. 660.
- Wolfe, Otto, Darmstadt, Germany. N-halogenalkyl-C-C-dialkylbarbituric acids and preparation of the same. No. 1,074,030; Sept. 23; Gaz. vol. 194; p. 904.
- Wolff, Albert, Cologne, Germany. Preparation of formates of chromium, aluminium, and iron. No. 1,054,735; Mar. 4; Gaz. vol. 188; p. 28.
- Wolff, Franklyn J., Minneapolis, Minn., assignor to L. Wolff Manufacturing Company, Chicago, Ill. Faucet. No. 1,082,988; Dec. 30; Gaz. vol. 197; p. 1180.
- Wolff, Hugo, Mannheim, assignor to Badische Anilin & Soda Fabrik, Ludwigshafen-on-the-Rhine, Germany. Blue-green vat coloring-matter. No. 1,054,888; Mar. 4; Gaz. vol. 188; p. 81.
- Wolff, Hugo, Mannheim, assignor to Badische Anilin & Soda Fabrik, Ludwigshafen-on-the-Rhine, Germany. Dyes containing sulfur and making them. No. 1,061,714; May 13; Gaz. vol. 190; p. 433.
- Wolff, Hugo, assignor to Badische Anilin & Soda Fabrik, Ludwigshafen-on-the-Rhine, Germany. Anthracene dyes and making the same. No. 1,063,000; May 27; Gaz. vol. 190; p. 940.
- Wolff Truck Frame Company. (See Rohlfing, John M., assignor.)
- Wolff, Wallace B., assignor to American Slicing Machine Company, Chicago, Ill. Slicing-machine. No. 1,054,736; Mar. 4; Gaz. vol. 188; p. 28.

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- Wolff, Wallace B., assignor to American Slicing Machine Company, Chicago, Ill. Sharpening device for slicing-machines. No. 1,063,098; May 27; Gaz. vol. 190; p. 973.
- Wolff, Wallace B., assignor to American Slicing Machine Company, Chicago, Ill. Gearing. No. 1,075,888; Oct. 14; Gaz. vol. 195; p. 473.
- Wolff, William H., assignor of one-half to C. R. Olmsted, Nestor, Cal. Transplanting-tool. No. 1,062,679; May 27; Gaz. vol. 190; p. 835.
- Wolffenstein, Richard, Berlin, Germany. Acridylsalicylic acid ester and making same. No. 1,063,099; May 27; Gaz. vol. 190; p. 973.
- Wolffenstein, Richard, Berlin, Germany. Esters of polyhalogen compounds of alcohols with therapeutically-active acids. No. 1,072,289; Sept. 2; Gaz. vol. 194; p. 209.
- Wolfradt, William von, Cleveland, Ohio. Window-operating mechanism. No. 1,072,893; Sept. 9; Gaz. vol. 194; p. 451.
- Wolfinger, John F., Boynton, Okla. Cotton huller, cleaner, and feeder. No. 1,070,934; Aug. 19; Gaz. vol. 193; p. 700.
- Wolfram, John C. (See Kronenberg, Samuel T., assignor.)
- Wolfrum, Firm of C. (See Simmchen, Wilhelm, assignor.)
- Wolfrum, Otto, administrator. (See Winter and Eichberg.)
- Wolfsen, Albert L., and A. N. Hammerston, New York, N. Y. Turbine-blower. No. 1,050,505; Jan. 14; Gaz. vol. 186; p. 440.
- Wolhaupter, Benjamin, New York, N. Y. Anticreeping device. No. 1,058,127; Apr. 8; Gaz. vol. 189; p. 296.
- Wolhaupter, Benjamin, New York, N. Y. Expanded-metal reinforcing structure and producing same. No. 1,081,647; Dec. 16; Gaz. vol. 197; p. 658.
- Wolkarte, Charles J., Houston, Tex. Ventilator. No. 1,065,420; June 24; Gaz. vol. 191; p. 870.
- Wolfe, Hartley C., and E. F. Kenney, Westmont borough, Pa. Utilizing fine ores, fine-dust, and the like. No. 1,073,381; Sept. 16; Gaz. vol. 194; p. 660.
- Wollmann, Karl H., Unionville, Conn. Tool-handle. No. 1,070,221; Aug. 12; Gaz. vol. 193; p. 419.
- Woloshin, Aaron, New York, N. Y. Interlocking floor. No. 1,054,070; Feb. 25; Gaz. vol. 187; p. 873.
- Wolpert, Joseph, assignor to J. F. Wolpert and E. A. Meagher, New Brunswick, N. J. Shock-absorber for vehicles. No. 1,057,105; Mar. 25; Gaz. vol. 188; p. 932.
- Wolpert, Joseph F., *et al.* (See Wolpert, Joseph, assignor.)
- Wolter, Josef, Rorschach, and A. Belz, Untergoldach, assignors to Rapid A. G., St. Gallen, Switzerland. Device for cutting embroidery along an embroidered edge. No. 1,069,837; Aug. 12; Gaz. vol. 193; p. 288.
- Wolters, Gustav, Weitmar, near Bochum, Germany. Treating peat, slime, and like substances. No. 1,074,400; Sept. 30; Gaz. vol. 194; p. 1057.
- Wolvin, John F., St. Clair, Mich. Boiler-furnace. No. 1,063,489; June 3; Gaz. vol. 191; p. 107.
- Woman's Friend Manufacturing Company, The. (See Brooks, Samuel A., assignor.)
- Womble, Cornelious E., Cedar Hill, assignor of one-half to H. G. Martin, Arlington, Tex. Combined plow and cultivator. No. 1,074,681; Oct. 7; Gaz. vol. 195; p. 33.
- Wommelsdorf, Heinrich, Schöneberg, near Berlin, Germany. Influence electric machine. No. 1,071,196; Aug. 26; Gaz. vol. 193; p. 822.
- Wonner, William W., York, Pa. Turbine. No. 1,065,571; June 24; Gaz. vol. 191; p. 921.
- Wood, Ada M., North Yakima, Wash. Ice-chipper. No. 1,074,307; Sept. 30; Gaz. vol. 194; p. 1025.
- Wood, Albert B., New Orleans, La. Hydraulic turbine. No. 1,055,588; Mar. 11; Gaz. vol. 188; p. 349.
- Wood, Alfred. (See Salmave, Dewey A., assignor.)
- Wood, Alfred F., and A. G. Steer, assignors to The Dairymens Supply Company, Lansdowne, Pa. Bottle-filling machine. No. 1,072,290; Sept. 2; Gaz. vol. 194; p. 209.
- Wood, Arthur W., Houston, Minn. Grate. No. 1,055,114; Mar. 4; Gaz. vol. 188; p. 155.
- Wood, Ben S., Russell, Kans. Lathe attachment. No. 1,052,116; Feb. 4; Gaz. vol. 187; p. 95.
- Wood, Benjamin A., trustee. (See Ash, Harry B., assignor.)
- Wood, Charles O., Chambersburg, Pa. Molding-jacket. No. 1,077,779; Nov. 4; Gaz. vol. 196; p. 185.
- Wood, Clarence E., and W. P. Wilson, Mattoon, assignors to American Generator Company, Shelbyville, Ill. Acetylene-gas generator. No. 1,070,091; Aug. 12; Gaz. vol. 193; p. 374.
- Wood, David W., Brazil, Ind. Automatic chuck. No. 1,081,183; Dec. 9; Gaz. vol. 197; p. 465.
- Wood, Earl D., Irvington, N. J. Rope-fastener. No. 1,072,556; Sept. 9; Gaz. vol. 194; p. 332.
- Wood, Edmund L., Lindale, Tex. Dasher for churns. No. 1,064,040; June 10; Gaz. vol. 191; p. 332.
- Wood, Elbert L., Nevada, Iowa. Steering mechanism for automobiles. No. 1,064,804; June 17; Gaz. vol. 191; p. 628.
- Wood, Frank E. (See Inglis and Wood.)
- Wood, Frank W., Newport News, Va., assignor, by mesne assignments, to Charles Cory & Son, Inc., New York, N. Y. Telegraph display-signal. No. 1,067,629; July 15; Gaz. vol. 192; p. 660.
- Wood, Frank W., assignor, by mesne assignments, to Charles Cory & Son, Inc., New York, N. Y. Ship's telegraph. No. 1,078,653; Nov. 18; Gaz. vol. 196; p. 548.
- Wood, Frederick W., assignor to The Berry-Wood Piano Player Company, Kansas City, Mo. Drum. No. 1,055,688; Mar. 11; Gaz. vol. 188; p. 383.
- Wood, Frederick W., assignor to The Berry-Wood Piano Player Company, Kansas City, Mo. Snare-drum. No. 1,055,689; Mar. 11; Gaz. vol. 188; p. 383.
- Wood, Frederick W., assignor to The Berry-Wood Piano Player Company, Kansas City, Mo. Music-sheet roller mechanism. No. 1,055,690; Mar. 11; Gaz. vol. 188; p. 384.
- Wood, Frederick W., Kansas City, Mo., and E. D. Carney, New York, N. Y., assignors to The Berry-Wood Piano Player Company, Kansas City, Mo. Musical instrument. No. 1,067,958; July 22; Gaz. vol. 192; p. 804.
- Wood, George, Cleveland, Ohio. Body-rest. No. 1,060,655; May 6; Gaz. vol. 190; p. 31.
- Wood, George, Kansas City, Mo., assignor to Dean Rapid Telegraph Co. System of telegraphy. No. 1,064,805; June 17; Gaz. vol. 191; p. 628.
- Wood, George A., Elmira, N. Y. Handcuff. No. 1,056,079; Mar. 18; Gaz. vol. 188; p. 549.
- Wood, George D., Belmont, Mass. Sad-iron holder. No. 1,082,838; Dec. 30; Gaz. vol. 197; p. 1129.
- Wood, George E., Southington, Conn. Forming tools. No. 1,069,215; Aug. 5; Gaz. vol. 193; p. 45.
- Wood, George O., Danielson, Conn. Locking whip-socket. No. 1,051,532; Jan. 28; Gaz. vol. 186; p. 858.
- Wood, George P., Peekskill, N. Y. Beehive. No. 1,068,196; July 22; Gaz. vol. 192; p. 885.
- Wood, George W., Syracuse, N. Y. Clip-head for anchor-rods. No. 1,058,511; Apr. 8; Gaz. vol. 189; p. 428.
- Wood, George W., Indianapolis, Ind. Shirt-cuff. No. 1,081,802; Dec. 16; Gaz. vol. 197; p. 710.
- Wood, Harry B. (See Beverage, Suddarth, and Wood.)
- Wood, Henry A. W., *et al.* (See Tygard, James W., assignor.)
- Wood, Henry A. W., New York, N. Y., assignor, by mesne assignments, to The Autoplate Company of America, Jersey City, N. J. Sheet-delivery mechanism. No. 1,049,435; Jan. 7; Gaz. vol. 186; p. 40.
- Wood, Henry A. W., New York, N. Y., assignor, by mesne assignments, to The Autoplate Company of America, Jersey City, N. J. Steam-table. No. 1,058,397; Apr. 8; Gaz. vol. 189; p. 390.
- Wood, Henry A. W., New York, N. Y., assignor, by mesne assignments, to The Autoplate Company of America, Jersey City, N. J. Combined molding-machine and steam-table. No. 1,060,875; May 6; Gaz. vol. 190; p. 108.
- Wood, Henry A. W., New York, N. Y., assignor, by mesne assignments, to The Autoplate Company of America, Jersey City, N. J. Stereotype-printing-plate-finishing mechanism. (Reissue.) No. 13,633; Oct. 21; Gaz. vol. 195; p. 788.
- Wood, Henry A. W., assignor, by mesne assignments, to Wood & Nathan Company, New York, N. Y. Machine for printing from intaglio printing-plates. No. 1,074,765; Oct. 7; Gaz. vol. 195; p. 62.
- Wood, Henry A. W., assignor to Wood & Nathan Company, New York, N. Y. Slug-delivery for slug-casting machines. No. 1,075,180; Oct. 7; Gaz. vol. 195; p. 204.
- Wood, Henry A. W., assignor to Wood & Nathan Company, New York, N. Y. Mold for slug-casting machines. No. 1,082,059; Dec. 23; Gaz. vol. 197; p. 826.
- Wood, Henry E., Denver, Colo. Book-holder. No. 1,051,047; Jan. 21; Gaz. vol. 186; p. 660.
- Wood, Henry E., Denver, Colo. Ore-concentrator. No. 1,071,850; Sept. 2; Gaz. vol. 194; p. 62.
- Wood, Henry E., Newark, assignor to The Coloroll Manufacturing Company, Orange, N. J. Expanding core or arbor. No. 1,056,480; Mar. 18; Gaz. vol. 188; p. 635.
- Wood, James, Noblesville, Ind. Machine for forming heel-calks on horseshoes. No. 1,055,006; Mar. 4; Gaz. vol. 188; p. 120.
- Wood, James A., Wyncote, Pa. Non-refillable bottle. No. 1,055,501; Mar. 11; Gaz. vol. 188; p. 322.
- Wood, James H., Chicago, Ill. Chimney-protector. No. 1,072,199; Sept. 2; Gaz. vol. 194; p. 181.
- Wood, James I., Denver, Colo. Liquid-fuel-oil-feeding governor for internal-combustion engines. No. 1,063,490; June 3; Gaz. vol. 191; p. 108.
- Wood, James I., Denver, Colo., assignor to The Simple Oil Engine Company. Internal-combustion engine. No. 1,051,977; Feb. 4; Gaz. vol. 187; p. 45.
- Wood, James J., Fort Wayne, Ind., assignor to General Electric Company. Liquid-mixer. No. 1,057,024; Mar. 25; Gaz. vol. 188; p. 904.
- Wood, James J., Fort Wayne, Ind., assignor to General Electric Company. Alternating-current regulator. No. 1,070,651; Aug. 19; Gaz. vol. 193; p. 608.
- Wood, James J., Fort Wayne, Ind., assignor to General Electric Company. Arc-lamp. No. 1,075,532; Oct. 14; Gaz. vol. 195; p. 353.

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- Wood, James N., Blackshear, Ga., assignor to Neely Compress & Cotton Company, Richmond, Va. Baling-press. No. 1,079,683; Nov. 25; Gaz. vol. 196; p. 934.
- Wood, John, New York, N. Y. Crimping-tool. No. 1,067,160; July 8; Gaz. vol. 192; p. 464.
- Wood & Nathan Company. (See Johnston, Robert T., assignor.)
- Wood & Nathan Company. (See Wood, Henry A. W., assignor.)
- Wood, Neal E., Chanute, Kans. Sugar-dispensing device. No. 1,050,192; Jan. 14; Gaz. vol. 186; p. 330.
- Wood, Nelson, Hamilton, Ontario, Canada. Stenciling-machine. No. 1,071,658; Aug. 26; Gaz. vol. 193; p. 976.
- Wood, Robert, Westmount, Quebec, Canada, assignor to Nathan Manufacturing Co., New York, N. Y. Automatic lubricator. No. 1,082,002; Dec. 23; Gaz. vol. 197; p. 806.
- Wood, Robert C., New York, N. Y. Battery. No. 1,049,961; Jan. 7; Gaz. vol. 186; p. 217.
- Wood, Robert M., and W. R. Sargent, Randolph, Vt. Friction-clutch. No. 1,065,489; June 24; Gaz. vol. 191; p. 893.
- Wood, Sydney, and D. F. Burrage; said Wood assignor to O. P. Davies, London, England. Garment stretcher and hanger. No. 1,051,048; Jan. 21; Gaz. vol. 186; p. 661.
- Wood, William T., Nashville, Tenn. Oil-burner. No. 1,065,583; June 10; Gaz. vol. 191; p. 518.
- Wood, Williard, San Francisco, Cal. Attachment for telephone instruments. No. 1,078,117; Nov. 11; Gaz. vol. 196; p. 332.
- Woodall, Daniel R., Jr., assignor of one-half to R. G. Nicholson, Chestertown, Md. Fertilizer-distributor. No. 1,053,463; Feb. 18; Gaz. vol. 187; p. 630.
- Woodall, Harold W., Wimborne, and A. M. Duckham, Upper Parkstone, England, assignors to Isbell-Porter Company, Newark, N. J. Apparatus for discharging substantially vertical retorts for the destructive distillation of coal. No. 1,065,572; June 24; Gaz. vol. 191; p. 921.
- Woodall, Robert B., Traskwood, Ark. Street-railway switch. No. 1,056,245; Mar. 18; Gaz. vol. 188; p. 606.
- Woodard, Charles B., Springfield, Tenn. Safety-exit. No. 1,056,140; Mar. 18; Gaz. vol. 188; p. 570.
- Woodard, William E. (See Gilmore and Woodard.)
- Woodard, William E., Schenectady, N. Y. Truck for railway rolling-stock. No. 1,060,222; Apr. 29; Gaz. vol. 189; p. 1126.
- Woodbridge, Howard C., assignor of one-third to M. G. McInerney and one-third to J. P. Reynolds, Rochester, N. Y. Rail-shim. No. 1,060,656; May 6; Gaz. vol. 190; p. 31.
- Woodbridge, James E. (See De Fevre and Woodbridge.)
- Woodbridge, James E., Bridgehampton, assignor, by mesne assignments, to F. I. A. T., Poughkeepsie, N. Y. Trunnion suspension for radiators. No. 1,056,874; Mar. 25; Gaz. vol. 188; p. 851.
- Woodbridge, Joseph L., Philadelphia, Pa. System of electrical distribution. No. 1,051,940; Feb. 4; Gaz. vol. 187; p. 32.
- Woodbridge, Joseph L., Philadelphia, Pa. Means for rectifying alternating currents. No. 1,051,941; Feb. 4; Gaz. vol. 187; p. 33.
- Woodbridge, Joseph L., Philadelphia, Pa. System of electrical distribution. No. 1,058,832; Apr. 15; Gaz. vol. 189; p. 576.
- Woodbridge, Joseph L., Philadelphia, Pa. Car-axle lighting system. No. 1,067,630; July 15; Gaz. vol. 192; p. 660.
- Woodbridge, Joseph L., Philadelphia, Pa. System of electrical distribution. No. 1,067,631; July 15; Gaz. vol. 192; p. 661.
- Woodbridge, Joseph L., Philadelphia, Pa. Electrical system of distribution. No. 1,078,654; Nov. 18; Gaz. vol. 196; p. 548.
- Woodbury and Company Incorporated. (See Woodbury, John C. and J. E., assignors.)
- Woodbury, John C. and J. E., assignors of one-half to Woodbury and Company Incorporated, Worcester, Mass. Extension-support. No. 1,054,737; Mar. 4; Gaz. vol. 188; p. 29.
- Woodbury, John E. (See Woodbury, John C. and J. E.)
- Wooden, Earle M., assignor of one-third to A. B. Cavanagh, New York, N. Y. Shutter mechanism. No. 1,049,554; Jan. 7; Gaz. vol. 186; p. 81.
- Wooden, Earle M., assignor of one-third to A. B. Cavanagh, New York, N. Y. Arc-lamp. No. 1,049,555; Jan. 7; Gaz. vol. 186; p. 82.
- Woodhead, Daniel, assignor to Central Electric Company, Chicago, Ill. Car construction. No. 1,071,851; Sept. 2; Gaz. vol. 194; p. 63.
- Woodhull, Byron E., Webster, and W. A. Wilson, Lockport, N. Y. Culvert-mold. No. 1,055,380; Mar. 11; Gaz. vol. 188; p. 281.
- Woodhull, Charles R. (See Woodhull, Walter A. and C. R.)
- Woodhull, Walter A., Monroe, and C. R. Woodhull, Newburgh, N. Y. Non-refillable bottle. No. 1,076,538; Oct. 21; Gaz. vol. 195; p. 728.
- Woodin, Elmer E., Mechanicsville, N. Y. Road grading and leveling device. No. 1,067,091; July 8; Gaz. vol. 192; p. 438.
- Woodin, William H. (See Handy, Levin G., assignor.)
- Woodin, William H. (See King, George I., assignor.)
- Wooding, Benjamin F., assignor to The Wooding Railway Warning Device Company, Denver, Colo. Housed track-contact for railway signaling systems. No. 1,069,089; July 29; Gaz. vol. 192; p. 1235.
- Wooding Railway Warning Device Company, The. (See Wooding, Benjamin F., assignor.)
- Woodland, Frank O., Worcester, Mass. Glue-supply mechanism for labeling-machines. No. 1,056,141; Mar. 18; Gaz. vol. 188; p. 571.
- Woodland, Frank O., Worcester, Mass. Shock-absorber. No. 1,058,128; Apr. 8; Gaz. vol. 189; p. 296.
- Woodland, William C., Warren, Ohio. System of electrical supply. No. 1,049,962; Jan. 7; Gaz. vol. 186; p. 217.
- Woodlee, Elmer G., Altamont, Tenn. Spring-wheel. No. 1,063,100; May 27; Gaz. vol. 190; p. 973.
- Woodley, Samuel P., Creswell, N. C. Collapsible container. No. 1,060,304; Apr. 29; Gaz. vol. 189; p. 1155.
- Woodley, Whitford W., Elizabeth City, N. C. Implement for punching and cutting belts. No. 1,062,753; May 27; Gaz. vol. 190; p. 858.
- Woodley, William T. (See Henry, Beulah L., assignor.)
- Woodlock, Festus G., St. Louis, Mo. Strain-insulator. No. 1,069,051; July 29; Gaz. vol. 192; p. 1220.
- Woodman, Frederic S., Fairfield, Me. Wheel attachment for horse-hoes. No. 1,061,437; May 13; Gaz. vol. 190; p. 334.
- Woodman, George A. (See Carscadin and Woodman.)
- Woodman, George A., assignor to Kirby Equipment Company, Chicago, Ill. Journal-box. No. 1,062,680; May 27; Gaz. vol. 190; p. 835.
- Woodman, George A., assignor to Kirby Equipment Company, Chicago, Ill. Journal-box lid. No. 1,076,853; Oct. 28; Gaz. vol. 195; p. 891.
- Woodmansee, Fay. (See Sessions, Edson O., assignor.)
- Woodring, Isaac, Waverly, Iowa. Feeding device for corn-husking machines. No. 1,077,899; Nov. 4; Gaz. vol. 196; p. 225.
- Woodroffe, Frank K. (See Drayton and Woodroffe.)
- Woodrom, George A., assignor of one-third to D. F. Ford and one-third to W. H. Baker, Loving, Tex. Cotton-chopper. No. 1,071,493; Aug. 26; Gaz. vol. 193; p. 921.
- Woodroof, Ashley W., Roanoke, Va. Reach-rod support. No. 1,056,312; Mar. 18; Gaz. vol. 188; p. 628.
- Woodrow, Charles O., assignor of one-fourth to W. McDerment, Nelson, British Columbia, Canada. Portable oven. No. 1,076,731; Oct. 28; Gaz. vol. 195; p. 849.
- Woodruff, H. L., et al. (See Morton, Frank M., assignor.)
- Woodruff, John L., Selinsgrove, Pa. Gearing for washing-machines. No. 1,076,089; Oct. 21; Gaz. vol. 195; p. 571.
- Woodruff, Leonidas D., Hattiesburg, Miss. Turn-table for couplings. No. 1,066,354; July 1; Gaz. vol. 192; p. 159.
- Woodruff, Leonidas D., Hattiesburg, Miss. Turn-table. No. 1,066,355; July 1; Gaz. vol. 192; p. 159.
- Woods, Arthur R. T. (See Simpson, Fred, assignor.)
- Woods, Arthur R. T. (See Simpson and Woods.)
- Woods, Carl, Kansas City, Mo. Block system for railways. No. 1,053,338; Feb. 18; Gaz. vol. 187; p. 588.
- Woods, Charles G., assignor of one-fourth to F. Grutzner, one-fourth to G. Haynes, and one-fourth to J. H. Brogan, St. Louis, Mo. Cut-off and drain for house-plumbing. No. 1,049,792; Jan. 7; Gaz. vol. 186; p. 161.
- Woods, Charles G., assignor of one-fourth to F. Grutzner, one-fourth to G. Haynes, and one-fourth to J. H. Brogan, St. Louis, Mo. Valve. No. 1,049,793; Jan. 7; Gaz. vol. 186; p. 162.
- Woods, Charles H., Decatur, Ill. Fare-collecting apparatus. No. 1,062,134; May 20; Gaz. vol. 190; p. 612.
- Woods & Chatellier. (See Mitchell, Augustin, assignor.)
- Woods, David M., Sacramento, Cal. Oil-burner. No. 1,055,115; Mar. 4; Gaz. vol. 188; p. 155.
- Woods, Douglass H. (See Pippin, John W., assignor.)
- Woods, Edwin S., Chicago, Ill. Center-bearing. No. 1,057,792; Apr. 1; Gaz. vol. 189; p. 135.
- Woods, Edwin S., Chicago, Ill. Humidor. No. 1,059,693; Apr. 22; Gaz. vol. 189; p. 307.
- Woods, Edwin S., and A. A. Weigel, Chicago, Ill.; said Weigel assignor to said Woods. Antifriction side bearing for railway-cars. No. 1,059,692; Apr. 22; Gaz. vol. 189; p. 906.
- Woods, Edwin S., and A. A. Weigel, Chicago, Ill.; said Weigel assignor to said Woods. Antifriction-bearing. No. 1,059,694; Apr. 22; Gaz. vol. 189; p. 907.
- Woods, George E., assignor of one-half to H. S. Jacobson, Pittsburgh, Pa. Folding box. No. 1,069,052; July 29; Gaz. vol. 192; p. 1220.
- Woods, Green K., Lovelock, Nev. Trap. No. 1,052,398; Feb. 4; Gaz. vol. 187; p. 189.
- Woods, James B., et al. (See Dewees, Benjamin F., assignor.)
- Woods, James R. (See Turner and Woods.)
- Woods, Joseph, Herbert, Saskatchewan, Canada. Grain-door. No. 1,073,202; Sept. 16; Gaz. vol. 194; p. 595.

Alphabetical list of patentees—Continued.

- Woods, Joseph, Herbert, Saskatchewan, Canada. Plow. No. 1,077,237; Oct. 28; Gaz. vol. 195; p. 1020.
- Woods, Leonard, St. Louis, Mo. Pistol. No. 1,073,312; Sept. 16; Gaz. vol. 194; p. 636.
- Woods, Leonard G., Pittsburgh, Pa. Journal-box. No. 1,052,546; Feb. 11; Gaz. vol. 187; p. 272.
- Woods, Nelson T., Portland, Oreg., assignor to R. W. M. McNair, Vancouver, British Columbia, Canada. Air-strainer. No. 1,062,942; May 27; Gaz. vol. 190; p. 922.
- Woods, Robert, Grand Fork, N. D. Grain-shocker. No. 1,073,456; Sept. 16; Gaz. vol. 194; p. 686.
- Woods, Robert L., St. Louis, Mo. Chair. No. 1,069,216; Aug. 5; Gaz. vol. 193; p. 45.
- Woods-Sherwood Company. (See Washburn and Comtois, assignors.)
- Woods, Stephen, New York, N. Y. Cigar-cutter. No. 1,067,390; July 15; Gaz. vol. 192; p. 579.
- Woods, W. C. (See Hopkins, James R., assignor.)
- Woods, Walter A., Wilmington, N. C. Attachment for looms. No. 1,074,682; Oct. 7; Gaz. vol. 195; p. 34.
- Woods, Walter J. (See Brunton, Arthur G., assignor.)
- Woods, William C. (See Hopkins, James R., assignor.)
- Woodsend, Leslie E., Denver, Colo. Internal-combustion engine. No. 1,051,794; Jan. 28; Gaz. vol. 186; p. 942.
- Woodstrom, Herbert C., and C. T. Hastedt, Chicago, Ill. Window-cleaning device. No. 1,052,637; Feb. 11; Gaz. vol. 187; p. 303.
- Woodward, Alban C., Detroit, Mich. Collar-fastener. No. 1,081,075; Dec. 9; Gaz. vol. 197; p. 429.
- Woodward, Alfred H. (See Zimmerman, Rudolph V., assignor.)
- Woodward, Erastus, Somerville, Mass., assignor to United Shoe Machinery Company, Paterson, N. J. Leveling-machine jack. No. 1,076,618; Oct. 21; Gaz. vol. 195; p. 756.
- Woodward, Frank R. (See Eastman, Walter W., assignor.)
- Woodward, Henry R., Leesburg, Va. Nostril-expander. No. 1,077,574; Nov. 4; Gaz. vol. 196; p. 116.
- Woodward, Irving C., Chicago, Ill. Shirt-waist belt. No. 1,079,624; Nov. 25; Gaz. vol. 196; p. 915.
- Woodward, John. (See Young, Walter H., assignor.)
- Woodward, Lewis E., Waco, Tex. Surgical appliance. No. 1,066,356; July 1; Gaz. vol. 192; p. 160.
- Woodward, Mark R., Washington, D. C., and E. G. Dean, assignors to Automatic Liquid Box Company, Niagara Falls, N. Y. Box-machine. No. 1,055,007; Mar. 4; Gaz. vol. 188; p. 120.
- Woodward, Mark R., Washington, D. C., and E. G. Dean, assignors to Automatic Liquid Box Company, Niagara Falls, N. Y. Box. No. 1,055,116; Mar. 4; Gaz. vol. 188; p. 156.
- Woodward, Martin J., Chanute, Kans. Holdback. No. 1,077,382; Nov. 4; Gaz. vol. 196; p. 49.
- Woodward, Mortimer L., San Angelo, Tex. Powder-blower. No. 1,057,696; Apr. 1; Gaz. vol. 189; p. 102.
- Woodward, Noel P., and L. Burn, London, England. Fountain for decorative purposes. No. 1,066,565; July 8; Gaz. vol. 192; p. 259.
- Woodward, Oscar. (See Dudley, George W., assignor.) (Reissue.)
- Woodward, Robert S., Jr., Haverford, assignor to Standard Roller Bearing Company, Philadelphia, Pa. Rail-file. No. 1,051,533; Jan. 28; Gaz. vol. 186; p. 858.
- Woodward, Russel G., Waukegan, assignor to Union Special Machine Company, Chicago, Ill. Take-up for sewing-machines. No. 1,064,186; June 10; Gaz. vol. 191; p. 383.
- Woodward, Russel G., Waukegan, assignor to Union Special Machine Company, Chicago, Ill. Edge-guide and stitch-finger for sewing-machines. No. 1,071,598; Aug. 26; Gaz. vol. 193; p. 955.
- Woodward, Russel G., Waukegan, assignor to Union Special Machine Company, Chicago, Ill. Needle-clamp. No. 1,075,743; Oct. 14; Gaz. vol. 195; p. 425.
- Woodward, Russel G., Waukegan, assignor to Union Special Sewing Machine Company, Chicago, Ill. Thread-controlling device for sewing-machines. No. 1,067,293; July 15; Gaz. vol. 192; p. 547.
- Woodward, Russel G., Waukegan, assignor to Union Special Sewing Machine Company, Chicago, Ill. Thread-controlling device for sewing-machines. No. 1,072,291; Sept. 2; Gaz. vol. 194; p. 209.
- Woodward, Walter E., Malden, Mass. Legging. No. 1,070,652; Aug. 19; Gaz. vol. 193; p. 608.
- Woodward, William, Chicago, Ill. Explosive-engine cooler. No. 1,081,880; Dec. 16; Gaz. vol. 197; p. 737.
- Woodward, William R., and F. E. Crompton, Brooklyn, assignors to The Signature Company, New York, N. Y. Setting-up device for document-binders. No. 1,078,979; Nov. 18; Gaz. vol. 196; p. 662.
- Woodwell, John K. (See Woodwell, William E., assignor.)
- Woodwell, William E., assignor of one-fourth to J. K. Woodwell, Pittsburgh, Pa. Device for adjusting tire-chains. No. 1,065,758; June 24; Gaz. vol. 191; p. 984.
- Woodworth, Charles B., Niagara Falls, N. Y. Protector for pneumatic tires. No. 1,052,873; Feb. 11; Gaz. vol. 187; p. 383.
- Woodworth, Charles C., Portland, Oreg. Safety seam-ripper. No. 1,081,357; Dec. 16; Gaz. vol. 197; p. 563.
- Woodworth, Elijah H., San Francisco, Cal. Carbureter. No. 1,050,322; Jan. 14; Gaz. vol. 186; p. 375.
- Woodworth, John B., assignor to The Syracuse Faucet & Valve Company, Syracuse, N. Y. Valve. No. 1,055,117; Mar. 4; Gaz. vol. 188; p. 156.
- Woolf, Ellis J., assignor to The Woolf Valve Gear Company, Minneapolis, Minn. Two-cycle explosive-engine. No. 1,075,889; Oct. 14; Gaz. vol. 195; p. 474.
- Woolf, James W., Tempe, Ariz. Mold for plastic material. No. 1,049,436; Jan. 7; Gaz. vol. 186; p. 40.
- Woolf Valve Gear Company, The. (See Woolf, Ellis J., assignor.)
- Woolley, Edward W., Jersey City, N. J. Air-brake and appurtenances for vehicles. No. 1,050,414; Jan. 14; Gaz. vol. 186; p. 406.
- Woolmington, Samuel E., Philadelphia, Pa. Non-refillable bottle. No. 1,059,419; Apr. 22; Gaz. vol. 189; p. 816.
- Woolsey, Charles A. (See Burch and Woolsey.)
- Wooster, Adney. (See Hoyt, Sarosi, and Wooster.)
- Wooster, Warren W., Berlin, N. J. Game apparatus. No. 1,060,392; Apr. 29; Gaz. vol. 189; p. 1187.
- Wootan, John M. and L. M., Smiths Turn Out, S. C. Wrench. No. 1,070,571; Aug. 19; Gaz. vol. 193; p. 582.
- Wootan, Lawrence M. (See Wootan, John M. and L. M.)
- Worcester, Albert, New York, N. Y. Box-covering machine. No. 1,067,092; July 8; Gaz. vol. 192; p. 439.
- Worcester, Henry C., et al. (See Skeen, Samuel T., assignor.)
- Worcester Metal Goods Company. (See Latons, Charles A., assignor.)
- Worcester Polytechnic Institute. (See Bird and Rawson, assignors.)
- Word, Arthur M., assignor to Towers & Sullivan Manufacturing Co., Rome, Ga. Fertilizer-distributer. No. 1,067,775; July 15; Gaz. vol. 192; p. 709.
- Word, John B., Latrobe, assignor of one-half to W. F. Deaner, Amador City, Cal. Chambering attachment for rock-drills. No. 1,061,210; May 6; Gaz. vol. 190; p. 222.
- Worgan, Henry H., Carnegie, and W. Worgan, Crafton, Pa. Toy. No. 1,083,041; Dec. 30; Gaz. vol. 197; p. 1197.
- Worgan, William. (See Worgan, Henry H. and W.)
- Worgan, William, Crafton, Pa. Feed-bag. No. 1,058,129; Apr. 8; Gaz. vol. 189; p. 296.
- Work, Irby E., St. Louis, Mo. Pipe. No. 1,071,197; Aug. 26; Gaz. vol. 193; p. 822.
- Work, Robert G., Homer City, Pa. Dumping-car. No. 1,075,744; Oct. 14; Gaz. vol. 195; p. 425.
- Workhoven, Harry A., and J. L. Bouma, Orange City, Iowa. Dump and safety-lock therefor. No. 1,060,525; Apr. 29; Gaz. vol. 189; p. 1232.
- Workman Manufacturing Company. (See Hughes, Joseph D., assignor.)
- Workman, Seigel, et al. (See Miller, Henry M., assignor.)
- Worliczek, Stefan, Zolkiew, Austria-Hungary. Alarm device for measuring instruments. No. 1,057,313; Mar. 25; Gaz. vol. 188; p. 1001.
- Wormbrodt, William, et al. (See Hunter, John F., assignor.)
- Wormeley, Philip L., Washington, D. C. Safety interlocking mechanism. No. 1,050,323; Jan. 14; Gaz. vol. 186; p. 375.
- Worms & Loeb. (See Eiseman, Moses H., assignor.)
- Worms, Sidney. (See Kellner and Worms.)
- Wormser, Alfred G., Harrisburg, Pa. Safety-razor. No. 1,074,149; Sept. 30; Gaz. vol. 194; p. 973.
- Worst, Warren H., Fargo, N. D. Sash-cord fastener. No. 1,071,852; Sept. 2; Gaz. vol. 194; p. 63.
- Worstman, Albin F. J. (See Poe and Worstman.)
- Worth, Elvin P., assignor, by mesne assignments, to Steel Specialties Company, Boston, Mass. Nut-lock. No. 1,059,420; Apr. 22; Gaz. vol. 189; p. 816.
- Worth, John S., et al. (See Fairweather, Charles B., assignor.)
- Worth, John S., assignor of one-half to W. P. Worth, Coatesville, Pa. Dishing metallic plates. No. 1,061,797; May 13; Gaz. vol. 190; p. 457.
- Worth, Theodore F. (See Green, Ellis, assignor.)
- Worth, William O., Kankakee, Ill. Four-wheel drive and transmission therefor. No. 1,068,957; July 29; Gaz. vol. 192; p. 1190.
- Worth, William P., et al. (See Fairweather, Charles B., assignor.)
- Worth, William P. (See Worth, John S., assignor.)
- Wortham, John W., Decatur, Ala. Coal-loading machine. No. 1,066,566; July 8; Gaz. vol. 192; p. 260.
- Wortham, John W., Decatur, Ala. Apparatus for automatically loading coal-bins. No. 1,083,042; Dec. 30; Gaz. vol. 197; p. 1197.
- Worthen, Burt L., Tucson, Ariz., assignor of one-half to B. Cameron, New York, N. Y. Apparatus for burning oil. No. 1,050,193; Jan. 14; Gaz. vol. 186; p. 330.
- Worthington, Albert P., Los Angeles, Cal. Lawn-rake. No. 1,070,868; Aug. 19; Gaz. vol. 193; p. 679.
- Worthington, Arnold V., Oakland, Cal. Street-railway switch. No. 1,068,831; July 29; Gaz. vol. 192; p. 1146.

Alphabetical list of patentees—Continued.

- Worthington, Charles C., Dunnfield, N. J. Condensing apparatus for steam motor-carriages. No. 1,072,894; Sept. 9; Gaz. vol. 194; p. 452.
- Worthington, Charles G. (See Haskins, William, assignor.)
- Worthington Cotton-Harvester Company. (See Straus, Theodore E., assignor.)
- Worthington, Hamilton L., Sydney, New South Wales, Australia. Rat-trap for use on ships' hawsers. No. 1,052,547; Feb. 11; Gaz. vol. 187; p. 272.
- Worthington, James P., assignor to Concrete Monument Company, Kansas City, Mo. Mold for casting plastic monuments. No. 1,065,421; June 24; Gaz. vol. 191; p. 870.
- Wortman, Frederick P., Albany, Ga. Gin-brush. No. 1,069,366; Aug. 5; Gaz. vol. 193; p. 97.
- Wortman, Raymond B., Okemah, Okla. Carbureting apparatus. No. 1,064,273; June 10; Gaz. vol. 191; p. 412.
- Wortmann, Wilhelm, Mayence, Germany. Electrically-driven machine for tilling the ground. No. 1,050,085; Jan. 7; Gaz. vol. 186; p. 260.
- Wortmann, Wilhelm, Mainz, Germany. Means for electrically driving motor agricultural machines. No. 1,066,774; July 8; Gaz. vol. 192; p. 334.
- Wosnig, Walter E. (See Perry and Wosnig.)
- Wotherspoon, William W., New York, N. Y. Air-tight hatch-covering. No. 1,083,043; Dec. 30; Gaz. vol. 197; p. 1198.
- Woticky, Charles B. (See Sindeband and Woticky.)
- Wottle, Hans, Vienna, Austria-Hungary. Apparatus for manufacturing rims for wooden belt-pulleys. No. 1,062,135; May 20; Gaz. vol. 190; p. 612.
- Wottle, Hans, Vienna, Austria-Hungary. Manufacture of wooden belt-pulleys. No. 1,066,452; July 1; Gaz. vol. 192; p. 190.
- Wotton, James A., Atlanta, Ga., assignor to Electric Products Co., Cleveland, Ohio. System of charging secondary batteries. No. 1,059,096; Apr. 15; Gaz. vol. 189; p. 669.
- Wotton, James A., Montclair, N. J., assignor to Electric Products Co., Cleveland, Ohio. System for charging secondary batteries. No. 1,059,255; Apr. 15; Gaz. vol. 189; p. 723.
- Wozniak, Michel J., Seattle, Wash. Car-fender. No. 1,061,438; May 13; Gaz. vol. 190; p. 334.
- Wozniak, Michel J., Seattle, Wash. Tooth for excavator buckets or shovels. No. 1,078,184; Nov. 11; Gaz. vol. 196; p. 355.
- Wragg, John U., *et al.* (See McKibbin, John B., assignor.)
- Wratchford, Walter F. (See Cross and Wratchford.)
- Wray, Dudley C., *et al.* (See Flatau, Louis S., assignor.)
- Wray, James L., Kewanee, Ill. Water-elevating apparatus. No. 1,068,197; July 22; Gaz. vol. 192; p. 886.
- Wray, Llewellyn A., *et al.* (See Flatau, Louis S., assignor.)
- Wray, T. Allen, *et al.* (See Flatau, Louis S., assignor.)
- Wray, William A., *et al.* (See Grove, Martin L., assignor.)
- Wren, Edward C., county of Devon, England. Combined camp-bed and valise. No. 1,079,971; Dec. 2; Gaz. vol. 197; p. 17.
- Wren, Julian T., Steedman, Mo. Gate-latch. No. 1,053,765; Feb. 18; Gaz. vol. 187; p. 734.
- Wriborg, George P., Athelstane, Wis. Coin-actuated telephone attachment. No. 1,065,014; June 17; Gaz. vol. 191; p. 695.
- Wright, Alcinous Y. (See Greenidge and Wright.)
- Wright, Arthur H., Dunedin, New Zealand. Apparatus for displaying advertisements, information-sheets, and the like. No. 1,052,874; Feb. 11; Gaz. vol. 187; p. 383.
- Wright, Arthur H., Sydney, New South Wales, Australia. Advertising apparatus. No. 1,063,929; June 3; Gaz. vol. 191; p. 260.
- Wright, Bert R., Poughkeepsie, N. Y., assignor to The De Laval Separator Company. Driving mechanism. No. 1,058,833; Apr. 15; Gaz. vol. 189; p. 577.
- Wright, Charles E., Kenilworth, N. J. Band-saw guide. No. 1,054,738; Mar. 4; Gaz. vol. 188; p. 29.
- Wright, Charles E., Newark, N. J. Band-saw machine. No. 1,072,200; Sept. 2; Gaz. vol. 194; p. 181.
- Wright, Charles W. (See Arave and Wright.)
- Wright, Charles W. (See Graham and Shay, assignors.)
- Wright, Charles W., Washington, D. C. Concentrating-table. No. 1,051,049; Jan. 21; Gaz. vol. 186; p. 661.
- Wright, Charles W., Blaine, Wash. Registering branding-hammer. No. 1,073,203; Sept. 16; Gaz. vol. 194; p. 596.
- Wright, Clark D., Hutsonville, Ill. Rail-joint. No. 1,066,775; July 8; Gaz. vol. 192; p. 334.
- Wright, Clarren E., Bonilla, and J. J. Borah, Huron, S. D. Automatic lowering device. No. 1,056,616; Mar. 18; Gaz. vol. 188; p. 733.
- Wright Company, The. (See Wright, Orville and W., assignors.)
- Wright, Crystal S. (See Shier and Wright.)
- Wright, Curtis, Jr., Oakland, Cal. Bed construction. No. 1,065,573; June 24; Gaz. vol. 191; p. 922.
- Wright, Curtis, Jr., Oakland, Cal. Mattress-holding means for beds. No. 1,071,125; Aug. 26; Gaz. vol. 193; p. 799.
- Wright, Edward E., *et al.* (See McAllister, John E., assignor.)
- Wright, Edward M., Madison Heights, Va. Device for connecting core-arbors. No. 1,073,010; Sept. 9; Gaz. vol. 194; p. 493.
- Wright, Elisha B., St. Helena, Cal. Bicycle-pump. No. 1,056,617; Mar. 18; Gaz. vol. 188; p. 733.
- Wright, Elmer D., *et al.* (See Bennett, Charles D., assignor.)
- Wright, Elmer M., and R. W. Hall, Lents, Oreg. Electric water-heater. No. 1,053,550; Feb. 18; Gaz. vol. 187; p. 661.
- Wright Engine Company. (See Wright, William J., assignor.)
- Wright, Francis, Luton, England. Straw hat. No. 1,082,060; Dec. 23; Gaz. vol. 197; p. 827.
- Wright, Francis M., *et al.*, trustees. (See Converse, Newton B., assignor.)
- Wright, Frank C., assignor to E. and T. Fairbanks & Company, St. Johnsbury, Vt. Scoop-balance scale. No. 1,080,398; Dec. 2; Gaz. vol. 197; p. 171.
- Wright, Fred W. (See Pearce, Parker, and Wright.)
- Wright, Frederic E., Richmond Hill, N. Y. Torch. No. 1,060,393; Apr. 29; Gaz. vol. 189; p. 1187.
- Wright, Garrett O. (See Gibford and Welch, assignors.)
- Wright, George, Jr., *et al.* (See McKibbin, John B., assignor.)
- Wright, George A. (See Baughn and Wright.)
- Wright, George M., assignor to Wright Wire Company, Worcester, Mass. Apparatus for coating metal. No. 1,050,897; Jan. 21; Gaz. vol. 186; p. 608.
- Wright, George S. (See Bonson, William W., assignor.)
- Wright, George W. (See Drury and Wright.)
- Wright, Gilbert, Schenectady, N. Y., assignor to General Electric Company. Lamp-socket. No. 1,057,025; Mar. 25; Gaz. vol. 188; p. 905.
- Wright, Gilbert, Schenectady, and H. P. Ball, New York, N. Y., assignors, by mesne assignments, to General Electric Company. Door-lock switch. No. 1,075,955; Oct. 14; Gaz. vol. 195; p. 497.
- Wright, Herbert C., Los Angeles, Cal. Attachment for drill-presses. No. 1,065,574; June 24; Gaz. vol. 191; p. 922.
- Wright Hinge & Lock Co. (See Wright and Lawson, assignors.)
- Wright, Howard. (See Hysert, Frank, assignor.)
- Wright, Jacob P. (See Denmead and Wright.)
- Wright, Jacob P., and F. Schafer, Barberton, Ohio, assignors to The Diamond Match Company, Chicago, Ill. Machine for cleaning and polishing match-splints. No. 1,070,092; Aug. 12; Gaz. vol. 193; p. 375.
- Wright, James, assignor of three-eighths to W. S. Stacey, Hamilton, Ontario, Canada. Safety-guard for power-presses. No. 1,067,632; July 15; Gaz. vol. 192; p. 662.
- Wright, James, assignor of three-eighths to W. S. Stacey, Hamilton, Ontario, Canada. Safety-guard for power-presses. (Reissue.) No. 13,647; Nov. 11; Gaz. vol. 196; p. 504.
- Wright, John B., and F. O. Lawson, assignors to Wright Hinge & Lock Co., Greensboro, N. C. Shutter-hinge latch. No. 1,077,780; Nov. 4; Gaz. vol. 196; p. 185.
- Wright, John E., New York, N. Y. Telegraph-transmitter. No. 1,052,548; Feb. 11; Gaz. vol. 187; p. 272.
- Wright, John E., assignor to The Columbia Carriage Company, Hamilton, Ohio. Vehicle. No. 1,074,078. Sept. 23; Gaz. vol. 194; p. 920.
- Wright, John E., and J. P. Smith, Seattle, Wash. Cannery exhaust-box. No. 1,079,819; Nov. 25; Gaz. vol. 196; p. 984.
- Wright, John T. (See Hall and Wright.)
- Wright, Joseph. (See Wright, Wilson D. C., assignor.)
- Wright, Louis W., assignor to The W. & E. T. Fitch Co., New Haven, Conn. Buckle. No. 1,055,008; Mar. 4; Gaz. vol. 188; p. 121.
- Wright, Louis W., assignor to The W. & E. T. Fitch Co., New Haven, Conn. Buckle. No. 1,055,009; Mar. 4; Gaz. vol. 188; p. 121.
- Wright, Melbourne R. (See Hinds and Wright.)
- Wright, Morris S., Worcester, Mass. Pneumatic action for musical instruments. No. 1,057,474; Apr. 1; Gaz. vol. 189; p. 27.
- Wright, Morris S., Worcester, Mass. Pneumatic cleaning-machine. No. 1,078,397; Nov. 11; Gaz. vol. 196; p. 432.
- Wright Orville and W., Dayton, Ohio, assignors to The Wright Company. Flying-machine. No. 1,075,533; Oct. 14; Gaz. vol. 195; p. 353.
- Wright, Parvin F. (See Duke and Wright.)
- Wright, Philip G. (See Brumfiel and Wright.)
- Wright, R. H. (See Manley, Howard L., assignor.)
- Wright, Richard H. (See Craggs, Ross V., assignor.)
- Wright, Richard H. (See Fischer, Louis, assignor.)
- Wright, Robert F. and T. E., Circleville, Ohio. Rubbing-post. No. 1,080,037; Dec. 2; Gaz. vol. 197; p. 42.
- Wright, Samson D., Cleveland, Ohio. Turn-table car. No. 1,056,246; Mar. 18; Gaz. vol. 188; p. 607.
- Wright, Samson D., Cleveland, Ohio. Drier-car. No. 1,064,187; June 10; Gaz. vol. 191; p. 384.

Alphabetical list of patentees—Continued.

- Wright, Stephen G., Oak Park, Ill. Roofing material. No. 1,075,745; Oct. 14; Gaz. vol. 195; p. 425.
- Wright, Thomas, Jersey City, N. J. Body-elevating mechanism. No. 1,059,511; Apr. 22; Gaz. vol. 189; p. 848.
- Wright, Thomas, Jersey City, N. J. Side-delivery dump-body. No. 1,059,512; Apr. 22; Gaz. vol. 189; p. 848.
- Wright, Thomas C., Denver, Colo. Automatic trip for hoisting-skips. No. 1,050,898; Jan. 21; Gaz. vol. 186; p. 608.
- Wright, Thomas E. (See Wright, Robert F. and T. E.)
- Wright, Thomas W., Anderson, Ind. Fence-post. No. 1,081,076; Dec. 9; Gaz. vol. 197; p. 429.
- Wright, Thomas W., Anderson, Ind. Post for fencing and the like. No. 1,081,077; Dec. 9; Gaz. vol. 197; p. 429.
- Wright, Walter, assignor to The Dunlop Pneumatic Tyre Company, Limited, Coventry, England. Wheel for road-vehicles. No. 1,070,653; Aug. 19; Gaz. vol. 193; p. 608.
- Wright, Walter L. (See Huntton, Rolfe, and Wright.)
- Wright, Walter S., New York, N. Y. Invisible rug-holder. No. 1,071,659; Aug. 26; Gaz. vol. 193; p. 977.
- Wright, Walter W., Pant Ruabon, England. Apparatus for crushing and amalgamating gold or silver ores. No. 1,051,795; Jan. 28; Gaz. vol. 186; p. 943.
- Wright, Wilbur. (See Wright, Orville and W.)
- Wright, William. (See Jordan and Wright.)
- Wright, William C., assignor to F. E. Lack, Paducah, Ky. Machine for uniting knit fabrics. No. 1,057,106; Mar. 25; Gaz. vol. 188; p. 933.
- Wright, William D., Providence, R. I. Fender-operating mechanism. No. 1,068,474; July 29; Gaz. vol. 192; p. 1020.
- Wright, William D., Providence, R. I. Fender-operating mechanism. No. 1,068,475; July 29; Gaz. vol. 192; p. 1021.
- Wright, William D., and J. T. Finn; said Finn assignor of one-fourth to T. J. Sweet, Albion, N. Y. Switch. No. 1,072,409; Sept. 2; Gaz. vol. 194; p. 252.
- Wright, William H., Duluth, Minn. Speed-governor. No. 1,057,909; Apr. 1; Gaz. vol. 189; p. 176.
- Wright, William J., Franklin, Pa. Internal-combustion engine. No. 1,059,421; Apr. 22; Gaz. vol. 189; p. 816.
- Wright, William J., Franklin, assignor to Wright Engine Company, Pittsburgh, Pa. Internal-combustion engine. No. 1,073,652; Sept. 23; Gaz. vol. 194; p. 775.
- Wright, William J., Franklin, assignor to Wright Engine Company, Pittsburgh, Pa. Internal-combustion engine. No. 1,076,090; Oct. 21; Gaz. vol. 195; p. 571.
- Wright, William J., Franklin, assignor to Wright Engine Company, Pittsburgh, Pa. Internal-combustion engine. No. 1,076,854; Oct. 28; Gaz. vol. 195; p. 892.
- Wright, Wilson D. C., assignor of one-half to J. Wright, Philadelphia, Pa. Atomizing and mixing valve. No. 1,078,816; Nov. 18; Gaz. vol. 196; p. 607.
- Wright Wire Company. (See Wright, George M., assignor.)
- Wrigley, James P. (See Howard and Wrigley.)
- Wronker, Hermann, Frankfort-on-the-Main, Germany. Ticket or label printing apparatus. No. 1,058,130; Apr. 8; Gaz. vol. 189; p. 297.
- Wuebbenherst, Martin A., Berry Creek, Alberta, Canada. Wire-reel. No. 1,068,291; July 22; Gaz. vol. 192; p. 919.
- Wuggenig, Franz, Feldkirch, Austria-Hungary. Machine for cutting sheet metal. No. 1,050,194; Jan. 14; Gaz. vol. 186; p. 330.
- Wugk, Ernst, assignor to Farbwerke vorm. Meister Lucius & Brüning, Höchst-on-the-Main, Germany. Producing dyeings on cotton. No. 1,056,080; Mar. 18; Gaz. vol. 188; p. 550.
- Wülfing, Johann A. von. (See Lauch and Quade, assignors.)
- Wülfing, Johann A. von. (See Quade, Fritz, assignor.)
- Wülfing, Johann A. von. (See Ueber, Heinrich, assignor.)
- Wulfange, John A., assignor to The Fred J. Meyers Manufacturing Company, Hamilton, Ohio. Sifter. No. 1,071,379; Aug. 26; Gaz. vol. 193; p. 884.
- Wunnenberg, Henry M. L., Klausthal, Germany, assignor to Arota, Gesellschaft mit beschränkter Haftung, Hamburg, Germany. Composition of matter to be used as an oil-paint. No. 1,057,199; Mar. 25; Gaz. vol. 188; p. 964.
- Wurfschmidt, Hugo H., Vienna, Austria-Hungary. Fountain-brush. No. 1,082,839; Dec. 30; Gaz. vol. 197; p. 1129.
- Wurmb, Theodore H., and R. Baumann, assignors to National Clock & Electric Manufacturing Co., St. Louis, Mo. Automatic electric release for fire-doors. No. 1,057,608; Apr. 1; Gaz. vol. 189; p. 73.
- Wurmb, Theodore H., and R. Baumann, assignors to The National Clock and Electric Mfg. Co., St. Louis, Mo. Thermostat. No. 1,062,136; May 20; Gaz. vol. 190; p. 613.
- Wurmb, Theodore H., and R. Baumann, assignors to National Clock & Electric Manufacturing Co., St. Louis, Mo. Self-recording thermometer. No. 1,069,594; Aug. 5; Gaz. vol. 193; p. 174.
- Wurster, Amsy L. (See Colley, John I., assignor.)
- Wurster, George B., assignor to W. R. Ostrander & Company, New York, N. Y. Electric-bell mechanism. No. 1,054,379; Feb. 25; Gaz. vol. 187; p. 979.
- Wurts, Alexander J., Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Lightning-arrester. No. 1,069,310; Aug. 5; Gaz. vol. 193; p. 77.
- Wurts, L. A., *et al.* (See Buttress, George, assignor.)
- Wutke, Frank C., Chicago, Ill. Wrench. No. 1,077,575; Nov. 4; Gaz. vol. 196; p. 116.
- Wutzler, Ernst M., deceased; M. M. Wutzler, administrator, assignor to Metallstanzwerk G. m. b. H., Schwarzenberg, Germany. Drawing-pin. No. 1,052,196; Feb. 4; Gaz. vol. 187; p. 123.
- Wutzler, Ernst M., deceased; M. M. Wutzler, *née* Weissfog, administratrix, assignor to Metallstanzwerk G. m. b. H., Schwarzenberg, Saxony, Germany. Drawing-pin. No. 1,059,256; Apr. 15; Gaz. vol. 189; p. 723.
- Wutzler, Milda M., administrator. (See Wutzler, Ernst M.)
- Wutzler, *née* Weissfog, Milda M., administratrix. (See Wutzler, Ernst M.)
- Wyatt, George H., *et al.* (See Gorton, William E., assignor.)
- Wyatt, George H., *et al.* (See Osborn, Homer A., assignor.)
- Wyatt, George M., *et al.* (See Skeen, Samuel T., assignor.)
- Wyatt, James A., and J. Simpson, Vancouver, British Columbia, Canada. Street-indicator for cars. No. 1,058,398; Apr. 8; Gaz. vol. 189; p. 390.
- Wyckoff Excavating and Ditching Company. (See Wyckoff, Joseph E., assignor.)
- Wyckoff, Fred, Thermopolis, Wyo. Type-writer desk. No. 1,050,324; Jan. 14; Gaz. vol. 186; p. 375.
- Wyckoff, Joseph E., Los Angeles, Cal., assignor to Wyckoff Excavating and Ditching Company. Digging or excavating apparatus. No. 1,078,234; Nov. 11; Gaz. vol. 196; p. 372.
- Wyckoff, Spofford F., Stamford, Conn. Joint for wooden columns, conduits, and the like. No. 1,070,572; Aug. 19; Gaz. vol. 193; p. 583.
- Wyer, William W., Augusta, Me. Separable union suit. No. 1,073,833; Sept. 23; Gaz. vol. 194; p. 837.
- Wygant, Lewis B., Vincennes, Ind. Baling-press. No. 1,065,648; June 24; Gaz. vol. 191; p. 946.
- Wygant, Lewis B., Vincennes, Ind. Baling-press packer. No. 1,072,069; Sept. 2; Gaz. vol. 194; p. 136.
- Wygant, Lewis B., Vincennes, Ind. Block-placer for baling-presses. No. 1,073,382; Sept. 16; Gaz. vol. 194; p. 661.
- Wygodsky Engine Company. (See Wygodsky, Leon, assignor.)
- Wygodsky, Leon, assignor to Wygodsky Engine Company, New York, N. Y. Internal-combustion engine. No. 1,076,619; Oct. 21; Gaz. vol. 195; p. 757.
- Wykoff, William B., Omaha, Nebr. Door-lock. No. 1,070,093; Aug. 12; Gaz. vol. 193; p. 375.
- Wylie, Peter, and J. H. Hooper, Vancouver, British Columbia, Canada. Garbage-destroying furnace. No. 1,064,414; June 10; Gaz. vol. 191; p. 461.
- Wylie, Richard, Napa, Cal. Broom-scoop collector. No. 1,071,494; Aug. 26; Gaz. vol. 193; p. 921.
- Wylie, Thomas B., assignor to Equitable Meter Company, Pittsburgh, Pa. Proportional meter. No. 1,076,855; Oct. 28; Gaz. vol. 195; p. 893.
- Wylie, Thomas B., assignor to Equitable Meter Company, Pittsburgh, Pa. Proportional meter. No. 1,077,208; Oct. 28; Gaz. vol. 195; p. 1010.
- Wylie, Thomas E., Seattle, Wash. Pruning-shears. No. 1,074,766; Oct. 7; Gaz. vol. 195; p. 62.
- Wyly, Emanuel M., Chattanooga, Tenn. Fastening device for freight-car doors. No. 1,068,198; July 22; Gaz. vol. 192; p. 886.
- Wyman, Alton L., Minneapolis, assignor to Winona Wagon Company, Winona, Minn. Combined traction-engine and motor-wagon. No. 1,083,044; Dec. 30; Gaz. vol. 197; p. 1198.
- Wyman, Charles A., Gaston, Oreg. Portable poultry-coop. No. 1,054,071; Feb. 25; Gaz. vol. 187; p. 873.
- Wyman, George R. (See Bird and Wyman.)
- Wyman, Horace, Worcester, Mass., assignor to Crompton & Knowles Loom Works. Weft-replenishing loom. No. 1,058,691; Apr. 8; Gaz. vol. 189; p. 488.
- Wyman, Horace, and G. F. Hutchins, Worcester, Mass., assignors to Crompton & Knowles Loom Works. Weft-replenishing loom. No. 1,051,657; Jan. 28; Gaz. vol. 186; p. 900.
- Wyner, Auguste, *née* Guttmann, Vienna, Austria-Hungary, assignor to H. Joachim, Paris, France. Gas-kindling device. No. 1,052,197; Feb. 4; Gaz. vol. 187; p. 123.
- Wynn, John, Jr. (See Grossman and Wynn.)
- Wynn, Robert J., Sault Ste. Marie, Mich. Pneumatic tire. No. 1,068,619; July 29; Gaz. vol. 192; p. 1071.
- Wynne, Frank, Burlington, Vt. Spike. No. 1,064,415; June 10; Gaz. vol. 191; p. 462.
- Wyre, Harry D., Orrville, Ohio. Culvert-pipe. No. 1,052,198; Feb. 4; Gaz. vol. 187; p. 123.
- Wysocki, Charles, Whiting, Ind. Fan. No. 1,074,401; Sept. 30; Gaz. vol. 194; p. 1057.
- Wysocki, Frank, Chicago, Ill. Flash-light. No. 1,079,088; Nov. 18; Gaz. vol. 196; p. 700.
- Wysong, Olmedo C., Greensboro, N. C. Mortising-machine. No. 1,053,339; Feb. 18; Gaz. vol. 187; p. 588.

Alphabetical list of patentees—Continued.

- Wysong, Olmedo C., Greensboro, N. C. Polishing curved surfaces. No. 1,082,670; Dec. 30; Gaz. vol. 197; p. 1071.
- Wyss, John, Johnstown, Colo. Harrow. No. 1,072,292; Sept. 2; Gaz. vol. 194; p. 210.
- Xicovich, Victor, Seattle, Wash. Adhesive compound. No. 1,077,576; Nov. 4; Gaz. vol. 196; p. 117.
- Yaack, George A., Decatur, Ill. Bicycle-lock. No. 1,082,616; Dec. 30; Gaz. vol. 197; p. 1051.
- Yaeger, Henry C., Canadian, Tex. Sash-fastener. No. 1,050,899; Jan. 21; Gaz. vol. 186; p. 609.
- Yale, George. (See Turner, Clarence C., assignor.)
- Yale Steel Stamping Company. (See Unke, William H. and O. C., assignors.)
- Yale & Towne Manufacturing Company, The. (See Augenbraun, Peter F., assignor.)
- Yale & Towne Manufacturing Company, The. (See Bock, Alfred C. O., assignor.)
- Yale & Towne Manufacturing Company, The. (See Cline, Jerome G., assignor.)
- Yale & Towne Manufacturing Company, The. (See Horne, Joseph A., assignor.)
- Yale & Towne Manufacturing Company, The. (See Huhn, Hermann and H. R., assignors.)
- Yale & Towne Manufacturing Company, The. (See Resch, Joseph S., assignor.)
- Yale & Towne Manufacturing Company, The. (See Rose, Edward, assignor.)
- Yale & Towne Manufacturing Company, The. (See Schoell, Reinhold, assignor.)
- Yale & Towne Manufacturing Company, The. (See Stadtmiller, Henry R., assignor.)
- Yale & Towne Manufacturing Company, The. (See Taylor, Warren H., assignor.)
- Yamamoto, Takejiro, assignor to Y. Hitaka, Tokyo, Japan. Interlocked netting. No. 1,066,969; July 8; Gaz. vol. 192; p. 400.
- Yancey, James H., Adona, Ark. Burial-casket. No. 1,054,072; Feb. 25; Gaz. vol. 187; p. 874.
- Yancey, Samuel H., South Bend, Ind. Shock-absorber. No. 1,058,834; Apr. 15; Gaz. vol. 189; p. 577.
- Yancey, William O., and C. C. Du Mesnil, Chicago, Ill. Hat-pin. No. 1,079,625; Nov. 25; Gaz. vol. 196; p. 915.
- Yank, Fred, Seattle, Wash. Lawn-mower. No. 1,077,182; Oct. 27; Gaz. vol. 195; p. 1001.
- Yankee Wizard Clock Company. (See Gage, Edward E., assignor.)
- Yardley, Harry, assignor to Welsbach Light Company, Gloucester City, N. J. Clamping device or jig. No. 1,066,357; July 1; Gaz. vol. 192; p. 160.
- Yarnall, David R., Philadelphia, Pa. Apparatus for heating and measuring water. No. 1,064,806; June 17; Gaz. vol. 191; p. 628.
- Yarrow, Alfred F., Blaneffield, Scotland. Propeller chamber or tunnel for shallow-draft vessels. No. 1,059,806; Apr. 22; Gaz. vol. 189; p. 944.
- Yassenoff, Isidor, Columbus, assignor to The Coffield Motor Washer Co., Dayton, Ohio. Water-motor. No. 1,082,477; Dec. 23; Gaz. vol. 197; p. 967.
- Yates, Allen A., Lake Benton, Minn. Windmill-coupling. No. 1,064,584; June 10; Gaz. vol. 191; p. 519.
- Yates, Charles R. (See Hatfield and Yates.)
- Yates, S. E., *et al.* (See Strow and McMillan, assignors.)
- Yates, William, Glen Rock, N. J. Hinge. No. 1,077,447; Nov. 4; Gaz. vol. 196; p. 73.
- Yates, William C., New York, N. Y., assignor to General Electric Company. Motor-control system. No. 1,077,662; Nov. 4; Gaz. vol. 196; p. 145.
- Yaw, Clio B., Arlington, N. J., assignor, by mesne assignments, to Remington Typewriter Company, Ilion, N. Y. Type-writing machine. No. 1,062,265; May 20; Gaz. vol. 190; p. 656.
- Yaw, Clio B., Arlington, N. J., assignor, by mesne assignments, to Remington Typewriter Company, Ilion, N. Y. Type-writing machine. No. 1,070,655; Aug. 19; Gaz. vol. 193; p. 609.
- Yaw, Clio B., Arlington, N. J., assignor to Remington Typewriter Company, Ilion, N. Y. Type-writing machine. No. 1,071,126; Aug. 26; Gaz. vol. 193; p. 799.
- Yaw, Clio B., Arlington, N. J., assignor, by mesne assignments, to Remington Typewriter Company, Ilion, N. Y. Type-writing machine. No. 1,071,495; Aug. 26; Gaz. vol. 193; p. 922.
- Yawman & Erbe Manufacturing Company. (See Burckhart, Henry B., assignor.)
- Yawman & Erbe Manufacturing Company. (See Neff, Herbert B., assignor.)
- Yawman & Erbe Manufacturing Company. (See Weiss, Albert T., assignor.)
- Yawman & Erbe Manufacturing Company. (See Wiesner, Moritz, assignor.)
- Yawman & Erbe Mfg. Company. (See Yawman, Philip H., assignor.)
- Yawman, Philip H., assignor to Yawman & Erbe Mfg. Company, Rochester, N. Y. Index-tab. No. 1,063,310; June 3; Gaz. vol. 191; p. 47.
- Yaxley, Ernest E., Chicago, Ill. Pneumatic cleaner. No. 1,074,920; Oct. 7; Gaz. vol. 195; p. 112.
- Ybarra, Samuel, St. Louis, Mo. Explosive-engine. No. 1,068,724; July 29; Gaz. vol. 192; p. 1107.
- Ybarra, Samuel, St. Louis, Mo. Internal-combustion engine. No. 1,068,725; July 29; Gaz. vol. 192; p. 1107.
- Ybarrondo, Vincent C. de, and F. D. Botiller, Los Angeles, Cal. Semaphore. No. 1,058,212; Apr. 8; Gaz. vol. 189; p. 325.
- Yeadicke, Charles, Kankakee, Ill. Railway-tie. No. 1,050,708; Jan. 14; Gaz. vol. 186; p. 506.
- Yeager, Carl, Birdsboro, Pa. Shock-absorber. No. 1,077,781; Nov. 4; Gaz. vol. 196; p. 186.
- Yeager, George W., and C. J. Lamm, Reading, Pa. Liquid door-check. No. 1,057,200; Mar. 25; Gaz. vol. 188; p. 965.
- Yeakel, Levi G., Bath, Pa. Mail-box support. No. 1,053,082; Feb. 11; Gaz. vol. 187; p. 455.
- Yearneau, Richard, Clark, S. D. Rent-collecting means for telephone service. No. 1,052,989; Feb. 11; Gaz. vol. 187; p. 423.
- Yearta, William W., Bainbridge, Ga. Combined churn cover clamp and dasher rod. No. 1,052,549; Feb. 11; Gaz. vol. 187; p. 273.
- Yeates, Ernest G., Hamilton, Ontario, Canada. Driving-dog for car-wheel lathes. No. 1,057,107; Mar. 25; Gaz. vol. 188; p. 934.
- Yeatman, John A., assignor to United Iron Works, Oakland, Cal. Centrifugal pump. No. 1,050,588; Jan. 14; Gaz. vol. 186; p. 468.
- Yeganian, Rose, Yonkers, N. Y. Tooth-powder. No. 1,073,725; Sept. 23; Gaz. vol. 194; p. 803.
- Yeganian, Rose, Yonkers, N. Y. Garment. No. 1,073,726; Sept. 23; Gaz. vol. 194; p. 803.
- Yeganian, Rose, Yonkers, N. Y. Corset. No. 1,081,007; Dec. 9; Gaz. vol. 197; p. 408.
- Yelf, Henry H., Southsea, Portsmouth, England. Silencing and anticoncussive support for type-writing machines and the like. No. 1,079,037; Nov. 18; Gaz. vol. 196; p. 684.
- Yelton, Charles B. (See Haley and Yelton.)
- Yelton, John W., Florence, Colo. Figure toy and harmonica-demonstrator. No. 1,059,807; Apr. 22; Gaz. vol. 189; p. 945.
- Yemiker, John, assignor of forty-nine one-hundredths to R. H. Fowler, Akron, Ohio. Collapsible core. No. 1,079,038; Nov. 18; Gaz. vol. 196; p. 684.
- Yemiker, John, and F. S. Stiles, assignors to The Faultless Machine and Manufacturing Company, Akron, Ohio. Collapsible core. No. 1,063,491; June 3; Gaz. vol. 191; p. 108.
- Yenjo, Hanuemon, Nihonbashi-Ku, Tokyo, Japan. Producing digestive ferment. No. 1,065,575; June 24; Gaz. vol. 191; p. 922.
- Yentzer, George W., assignor to J. E. Porter Company, Ottawa, Ill. Barn-door-banger track. No. 1,079,734; Nov. 25; Gaz. vol. 196; p. 952.
- Yeo, Frederic W., and A. J. Bohl, Milwaukee, Wis. Safety fare-box for street-cars. No. 1,063,758; June 3; Gaz. vol. 191; p. 203.
- Yeomans, Wallace C., Pe Ell, Wash. Spark-arrester. No. 1,079,586; Nov. 25; Gaz. vol. 196; p. 902.
- Yerkey, Alvy C., Chicago, Ill. Blow-off valve. No. 1,067,959; July 22; Gaz. vol. 192; p. 804.
- Yerks, William E., Yonkers, N. Y. Lumber-jack. No. 1,071,198; Aug. 26; Gaz. vol. 193; p. 822.
- Yerzley, William A., Hartford, Conn., assignor, by mesne assignments, to Nagle Re Blade Knife Company, Newark, N. J. Knife. No. 1,056,081; Mar. 18; Gaz. vol. 188; p. 550.
- Yoakam, David, Lacona, Iowa. Rail-joint. No. 1,079,820; Nov. 25; Gaz. vol. 196; p. 984.
- Yoakum, Burt, Kansas City, Kans. Headlight. No. 1,078,891; Nov. 18; Gaz. vol. 196; p. 632.
- Yoast, James S., Cincinnati, Ohio. Combination fender and bumper device. No. 1,060,395; Apr. 29; Gaz. vol. 189; p. 1188.
- Yocom, James, Philadelphia, Pa. Variable-speed gear. No. 1,078,398; Nov. 11; Gaz. vol. 196; p. 432.
- Yocum, George C. (See Milford, Walter, assignor.)
- Yoder, Lorenzo T., Pittsburgh, Pa. Child's playhouse. No. 1,078,027; Nov. 11; Gaz. vol. 196; p. 302.
- Yoder, Menno S., Shipshewana, Ind. Cultivator. No. 1,064,585; June 10; Gaz. vol. 191; p. 519.
- Yokel, Frank, *et al.* (See Gabrys, Georg, assignor.)
- Yolin, Aaron. (See Finkel and Yolin.)
- Yolin, Aaron, and R. Texin, New York, N. Y. Means for protecting articles of food. No. 1,081,711; Dec. 16; Gaz. vol. 197; p. 678.
- Yolland, Charles W. (See Covey, Frank E., assignor.)
- Yordon, Peter, *et al.* (See Winkstern, Ernest, assignor.)
- Yorger, Charles, Indianapolis, Ind. Twine-holder. No. 1,079,896; Nov. 25; Gaz. vol. 196; p. 1010.
- York, David A., Northgrove, Ind. Resilient tire. No. 1,077,782; Nov. 4; Gaz. vol. 196; p. 186.
- York, James E., New York, N. Y. Rolling ingots. No. 1,078,119; Nov. 11; Gaz. vol. 196; p. 333.
- York, James E., New York, N. Y., assignor to York Rolling Process Company. Altering elongated steel shapes. No. 1,078,118; Nov. 11; Gaz. vol. 196; p. 333.
- York, John B., Spanish Fort, Tex. Pumping attachment. No. 1,075,956; Oct. 14; Gaz. vol. 195; p. 497.

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- York, William H. (See Lockwood and York.)
- Yost Electric Manufacturing Company, The. (See Chapman and Kenney, assignors.)
- Yost, Frederick W., Chicago, Ill. Treating materials. No. 1,074,150; Sept. 30; Gaz. vol. 194; p. 973.
- Yost, John E., Arkansas City, Kans. Box-fastener. No. 1,056,313; Mar. 18; Gaz. vol. 188; p. 628.
- Yost, Winfield H., Montreal, Quebec, Canada, assignor to Rodger Ballast Car Company, Chicago, Ill. Car. No. 1,053,118; Feb. 11; Gaz. vol. 187; p. 468.
- Yost, Winfield H., Montreal, Quebec, Canada, assignor to Rodger Ballast Car Company, Chicago, Ill. Ballast-car. No. 1,064,807; June 17; Gaz. vol. 191; p. 629.
- Yost, Winfield H., Montreal, Quebec, Canada, assignor to National Dump Car Company, Chicago, Ill. Dump-car. No. 1,072,684; Sept. 9; Gaz. vol. 194; p. 375.
- Yost Writing Machine Company. (See Smith, Arthur W., assignor.)
- Yost Writing Machine Company. (See Turner, Samuel W., assignor.)
- Yousmans, William R., Columbus, Ohio, assignor to The Jeffrey Manufacturing Company. Resistance. No. 1,065,015; June 17; Gaz. vol. 191; p. 696.
- Young, Ada H., *et al.*, executors. (See Hudson, Samuel T.)
- Young, Albert E., Christchurch, New Zealand. Means for folding and wrapping newspapers and the like. No. 1,071,853; Sept. 2; Gaz. vol. 194; p. 63.
- Young, Albert E., and G. G. Holmes, Christchurch, New Zealand. Device for sealing envelopes. No. 1,058,131; Apr. 8; Gaz. vol. 189; p. 297.
- Young, Alexander, Detroit, Mich. Fence-post. No. 1,050,589; Jan. 14; Gaz. vol. 186; p. 469.
- Young, Bengt J., Minneapolis, Minn. Shock-loader. No. 1,068,552; July 29; Gaz. vol. 192; p. 1046.
- Young, Benjamin J., San Antonio, Tex. Folding feed-box. No. 1,049,963; Jan. 7; Gaz. vol. 186; p. 217.
- Young, Champ C., assignor of one-third to J. F. Chappell and one-third to H. H. McClusky, McClusky, Ill. Nut-lock. No. 1,070,094; Aug. 12; Gaz. vol. 193; p. 376.
- Young, Charles B., New York, N. Y., assignor to Eden Mfg. Co., Philadelphia, Pa. Rug. No. 1,059,097; Apr. 15; Gaz. vol. 189; p. 670.
- Young, Charles D., Altoona, Pa. Car-truck side frame. No. 1,071,127; Aug. 26; Gaz. vol. 193; p. 800.
- Young, Charles D., Altoona, Pa. Superheater. No. 1,073,204; Sept. 16; Gaz. vol. 194; p. 596.
- Young, Charles D., Altoona, Pa. Superheater. No. 1,073,205; Sept. 16; Gaz. vol. 194; p. 597.
- Young, Charles T., Hillsboro, Oreg. Combined ruler and blotter. No. 1,058,652; Apr. 8; Gaz. vol. 189; p. 475.
- Young, Charles W. (See Moist and Young.)
- Young, Charles W., Omaha, Nebr. Floor construction. No. 1,068,090; July 22; Gaz. vol. 192; p. 849.
- Young, Clarence H. (See Hammond and Young.)
- Young, Clarence H., Dorchester, Mass. Boot or shoe. No. 1,059,695; Apr. 22; Gaz. vol. 189; p. 907.
- Young, Daniel K. (See Young, Edwin A., assignor.)
- Young, Edward H. (See Wilhelm, John F., assignor.)
- Young, Edward T., Boston, assignor of one-half to E. E. Badger, Hyde Park, Mass. Internal-combustion engine. No. 1,073,553; Sept. 16; Gaz. vol. 194; p. 718.
- Young, Edwin A., assignor of one-half to D. K. Young, Lander, Wyo. Hen's nest. No. 1,061,154; May 6; Gaz. vol. 190; p. 203.
- Young, Eli, East Auburn, assignor of one-half to J. Johnson, Auburn, Cal. Wire-stretcher. No. 1,056,481; Mar. 18; Gaz. vol. 188; p. 686.
- Young, Floyd B., Ludlow, Ill. Heating-stove. No. 1,065,093; June 17; Gaz. vol. 191; p. 722.
- Young, Frank, Newark, N. J. Antiskid device for wheels. No. 1,056,082; Mar. 18; Gaz. vol. 188; p. 550.
- Young, Frank A., assignor to Underwood Typewriter Company, New York, N. Y. Type-writing machine. No. 1,054,327; Feb. 25; Gaz. vol. 187; p. 960.
- Young, Frank A., assignor to Underwood Typewriter Company, New York, N. Y. Type-writing machine. No. 1,054,328; Feb. 25; Gaz. vol. 187; p. 961.
- Young, Frank A., assignor to Underwood Typewriter Company, New York, N. Y. Type-writing machine. No. 1,054,739; Mar. 4; Gaz. vol. 188; p. 29.
- Young, Frank A., assignor to Underwood Typewriter Company, New York, N. Y. Type-writing machine. No. 1,054,956; Mar. 4; Gaz. vol. 188; p. 102.
- Young, Frank A., assignor to Underwood Typewriter Company, New York, N. Y. Type-writing machine. No. 1,060,806; May 6; Gaz. vol. 190; p. 82.
- Young, Frank A., assignor to Underwood Typewriter Company, New York, N. Y. Type-writing machine. No. 1,062,266; May 20; Gaz. vol. 190; p. 657.
- Young, Frank A., assignor to Underwood Typewriter Company, New York, N. Y. Type-writing machine. No. 1,062,681; May 27; Gaz. vol. 190; p. 835.
- Young, Frank A., assignor to Underwood Typewriter Company, New York, N. Y. Type-writing machine. No. 1,064,586; June 10; Gaz. vol. 191; p. 519.
- Young, Franklin K., Winthrop Highlands, Mass. Firearm. No. 1,058,132; Apr. 8; Gaz. vol. 189; p. 297.
- Young, Frederick H., Wilmington, and G. N. Cameron, Marshallton, Del. Headlight-steering mechanism. No. 1,058,835; Apr. 15; Gaz. vol. 189; p. 578.
- Young, George C. G., and M. M. Waddell, Ballymena, Ireland. Spinning. No. 1,051,361; Jan. 21; Gaz. vol. 186; p. 765.
- Young, George J., Reno, Nev. Filter. No. 1,057,475; Apr. 1; Gaz. vol. 189; p. 27.
- Young, George L., Frankfort, Ind. Lock-nut. No. 1,065,759; June 24; Gaz. vol. 191; p. 985.
- Young, Gust, Mora, Minn. Neck-yoke. No. 1,063,759; June 3; Gaz. vol. 191; p. 204.
- Young, Harrison R., Catasauqua, Pa. Removable calk for horseshoes. No. 1,069,311; Aug. 5; Gaz. vol. 193; p. 77.
- Young, Harry W., Chicago, Ill. Fuse-holder. No. 1,067,498; July 15; Gaz. vol. 192; p. 617.
- Young, Harry W., Chicago, Ill. Electrical fuse. No. 1,067,568; July 15; Gaz. vol. 192; p. 639.
- Young, Henry S. (See Patenall and Young.)
- Young, Herbert W., assignor to Delta-Star Electric Company, Chicago, Ill. Insulating-support for lamp-sockets and reactance-coils. No. 1,050,196; Jan. 14; Gaz. vol. 186; p. 331.
- Young, Isaac, Boston, Mass. Jacketed kettle. No. 1,049,794; Jan. 7; Gaz. vol. 186; p. 162.
- Young, Jacob E., Cleveland, Ohio, assignor to The American Steel and Wire Company of New Jersey, Hoboken, N. J. Heading-up, setting-up, and windlassing machine. No. 1,065,490; June 24; Gaz. vol. 191; p. 893.
- Young, James H., Brownsville, Ky. Box or receptacle. No. 1,057,369; Mar. 25; Gaz. vol. 188; p. 1019.
- Young, James P., Hackleburg, Ala. Gin-saw cleaner. No. 1,078,399; Nov. 11; Gaz. vol. 196; p. 433.
- Young, Jefferson D., Chattanooga, Okla., assignor to The Bottless Rail Joint Company, Wilmington, Del. Rail-chair. No. 1,054,957; Mar. 4; Gaz. vol. 188; p. 102.
- Young, John, Chillicothe, Ohio. Power-transmission mechanism. No. 1,075,746; Oct. 14; Gaz. vol. 195; p. 425.
- Young, John B., North Crystal Lake, Ill. Vacuum-cleaner. No. 1,075,957; Oct. 14; Gaz. vol. 195; p. 497.
- Young, John K., Philadelphia, Pa. Door-check. No. 1,074,151; Sept. 30; Gaz. vol. 194; p. 974.
- Young, John M., San Francisco, Cal., assignor to American Can Company. Can-syruping apparatus. No. 1,069,838; Aug. 12; Gaz. vol. 193; p. 288.
- Young, John M., San Francisco, Cal., assignor to American Can Company. Organized apparatus for preserving food products. No. 1,070,095; Aug. 12; Gaz. vol. 193; p. 376.
- Young, John W. (See Harris, Charles W., assignor.)
- Young, John W. (See Roberts, Young, and James.)
- Young, John W., Hutchinson, Kans. Closet-seat cover. No. 1,064,274; June 10; Gaz. vol. 191; p. 412.
- Young, John W., Memphis, Tenn. Dust-catcher for air-pipes. No. 1,080,399; Dec. 2; Gaz. vol. 197; p. 171.
- Young, Joseph D. C., Salt Lake City, Utah. Drafting appliance. No. 1,064,878; June 17; Gaz. vol. 191; p. 651.
- Young, Leonard A. (See Phelps, Bessie M. A., assignor.)
- Young, Leonard A., Detroit, Mich. Spring-seat structure. No. 1,050,900; Jan. 21; Gaz. vol. 186; p. 609.
- Young, Leonard A., Detroit, Mich. Upholstery-spring construction. No. 1,058,285; Apr. 8; Gaz. vol. 189; p. 349.
- Young, Leonard A., Detroit, Mich. Foldable spring hammock or cot. No. 1,071,541; Aug. 26; Gaz. vol. 193; p. 937.
- Young, Lorin W., New York, N. Y. Lighting-fixture. No. 1,065,094; June 17; Gaz. vol. 191; p. 723.
- Young, Lorin W., New York, N. Y. Lighting-fixture. No. 1,067,391; July 15; Gaz. vol. 192; p. 579.
- Young, Lucy A. (See Young, William W., assignor.)
- Young, Marcus, Port Huron, Mich. Resilient wheel. No. 1,071,288; Aug. 26; Gaz. vol. 193; p. 853.
- Young, Marion F., Pueblo, Colo. Electrical switch. No. 1,052,550; Feb. 11; Gaz. vol. 187; p. 273.
- Young, Marvin S., Washington, D. C. Account-book. No. 1,053,464; Feb. 18; Gaz. vol. 187; p. 631.
- Young, Otis W., Schenectady, N. Y. Steam-engine valve-gear. No. 1,071,854; Sept. 2; Gaz. vol. 194; p. 64.
- Young, Robert, Fitchburg, Mass. Holder. No. 1,058,836; Apr. 15; Gaz. vol. 189; p. 578.
- Young Safety Razor Company. (See Cobb, Lyman H., assignor.) (Reissue.)
- Young, Samuel, Cedar Point, Ill. Pick-holder. No. 1,062,527; May 20; Gaz. vol. 190; p. 742.
- Young, Samuel M., New York, N. Y. Automatic system of block-signaling for electric railways. No. 1,082,840; Dec. 30; Gaz. vol. 197; p. 1130.
- Young, Sarah J. (See Illingworth, John W., assignor.)
- Young, Stewart W. (See Sanborn, McMahon, Overbury, and Young.)
- Young, Thomas H., New York, N. Y. Protective lock for gas-pipes. No. 1,057,609; Apr. 1; Gaz. vol. 189; p. 73.
- Young, Walter H., deceased, (J. L. Eadie, Jr., executor,) assignor of one-half to J. Woodward, Pittsfield, Mass. Spinning-machine. No. 1,076,805; Oct. 28; Gaz. vol. 195; p. 875.
- Young, Walter T., Sheridan, Wyo. Air-discharging and condensation-returning apparatus. No. 1,066,776; July 8; Gaz. vol. 192; p. 335.

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- Young, William H., Atlanta, Ga. Cotton-seed planter. No. 1,054,889; Mar. 4; Gaz. vol. 188; p. 81.
- Young, William H., Decatur, Ga. Salt-shaker. No. 1,057,697; Apr. 1; Gaz. vol. 189; p. 103.
- Young, William H., and R. P. Wilton, Wrightsville, Pa.; said Young assignor to said Wilton. Coin-package. No. 1,076,474; Oct. 21; Gaz. vol. 195; p. 705.
- Young, William J. G., Baltimore, Md. Rat-trap. No. 1,074,998; Oct. 7; Gaz. vol. 195; p. 139.
- Young, William W., assignor, by mesne assignments, to L. A. Young, Agawam, Mass. Acoustic diaphragm. No. 1,061,211; May 6; Gaz. vol. 190; p. 223.
- Youngberg, Eloy J., Canon City, Colo. Seeder. No. 1,080,038; Dec. 2; Gaz. vol. 197; p. 42.
- Youngblood, David F., San Antonio, Tex. Culvert. No. 1,059,585; Apr. 22; Gaz. vol. 189; p. 872.
- Youngblood, David F., San Antonio, Tex. Jail. No. 1,065,422; June 24; Gaz. vol. 191; p. 870.
- Youngerman, Frank C., Grimes, Iowa. Gearing. No. 1,073,313; Sept. 16; Gaz. vol. 194; p. 637.
- Younggren, Oscar A., Kewanee Ill. Catcher's mask. No. 1,072,802; Sept. 9; Gaz. vol. 194; p. 417.
- Youngquist, Lawrence E., Glendive, Mont. Self-steering mechanism for traction-engines. No. 1,081,881; Dec. 16; Gaz. vol. 197; p. 737.
- Youns, Arthur, Newburgh, N. Y. Hand-grip. No. 1,064,587; June 10; Gaz. vol. 191; p. 520.
- Youngstown Sheet and Tube Company, The. (See Connor, John J., assignor.)
- Younie, Lewis E. (See Ball and Younie.)
- Yourtee, Ralph F., St. Louis, Mo. Concrete garage. No. 1,061,798; May 13; Gaz. vol. 190; p. 457.
- Yourtree, Livingston H., Chester, Ill. Gasolene-filter. No. 1,058,133; Apr. 8; Gaz. vol. 189; p. 297.
- Youtsey, William H., Monroe township, Miami county, Ohio. Lubricant-distributor. No. 1,081,419; Dec. 16; Gaz. vol. 197; p. 583.
- Yudelzon, Alexander C., Chicago, Ill. Hood-cap. No. 1,057,202; Mar. 25; Gaz. vol. 188; p. 965.
- Yudelzon, Alexander C., Chicago, Ill. Combined cap, face-protector, and muffler. No. 1,057,203; Mar. 25; Gaz. vol. 188; p. 965.
- Yudelzon, Alexander C., Chicago, Ill. Convertible cap and muff. No. 1,057,204; Mar. 25; Gaz. vol. 188; p. 966.
- Yudelzon, Alexander C., Chicago, Ill. Combined cap and muffler. No. 1,057,205; Mar. 25; Gaz. vol. 188; p. 966.
- Yule, Alexander, St. Louis, Mo. Railway-crossing. No. 1,051,050; Jan. 21; Gaz. vol. 186; p. 661.
- Yüngling, Paul F., Los Angeles, Cal. Perforator for well casings or tubes. No. 1,080,313; Dec. 2; Gaz. vol. 197; p. 138.
- Yüngling, Paul F., Los Angeles, Cal. Elevator for well tubes or casings. No. 1,082,786; Dec. 30; Gaz. vol. 197; p. 1112.
- Zabielski, Joseph, Chicago, Ill. Safety-pocket. No. 1,080,314; Dec. 2; Gaz. vol. 197; p. 138.
- Zabrenas, Peter, New York, assignor of one-half to A. M. Martus, Brooklyn, N. Y. Safety bottle-holder. No. 1,050,709; Jan. 14; Gaz. vol. 186; p. 506.
- Zabriskie, Albert T., Passaic, N. J. Automatic calendar. No. 1,073,206; Sept. 16; Gaz. vol. 194; p. 597.
- Zabriskie, Henry L., Westfield, assignor to Diehl Manufacturing Company, Elizabeth, N. J. Alternating-current motor. No. 1,074,152; Sept. 30; Gaz. vol. 194; p. 974.
- Zace, Philip A. (See Folz and Zace.)
- Zachara, Ladislaus, Sandpoint, Idaho. Combined chair and mirror. No. 1,071,599; Aug. 26; Gaz. vol. 193; p. 956.
- Zacharias, Harrison E., Humbert, Pa. Railway-spike. No. 1,080,189; Dec. 2; Gaz. vol. 197; p. 94.
- Zachmann, William H., Woodhaven, N. Y., assignor to American Ever Ready Company. Transmission device. No. 1,053,119; Feb. 11; Gaz. vol. 187; p. 469.
- Zachmann, William H., Woodhaven, N. Y., assignor to American Ever Ready Company. Registering device. No. 1,053,120; Feb. 11; Gaz. vol. 187; p. 469.
- Zachmann, William H., Woodhaven, N. Y., assignor to American Ever Ready Company. Speedometer. No. 1,067,453; July 15; Gaz. vol. 192; p. 600.
- Zackey, William W., Philadelphia, Pa., assignor of forty-nine one-hundredths to C. B. Hewitt, Burlington, N. J. Sound recording and reproducing machine. No. 1,067,569; July 15; Gaz. vol. 192; p. 640.
- Zackey, William W., Philadelphia, Pa., assignor of forty-nine one-hundredths to C. B. Hewitt, Burlington, N. J. Sound-box arm for talking-machines. No. 1,083,045; Dec. 30; Gaz. vol. 197; p. 1198.
- Zadora, Joseph, Lake Ann, Mich. Nose-bag. No. 1,053,766; Feb. 18; Gaz. vol. 187; p. 734.
- Zager, Robert E., Hardy, Cal. Traction-vehicle. No. 1,055,010; Mar. 4; Gaz. vol. 188; p. 121.
- Zahl, Hjalmar, assignor of three-eighths to C. S. Olson and one-eighth to H. Gujer, Duluth, Minn. Hopper-bottom dump-car. No. 1,078,478; Nov. 11; Gaz. vol. 196; p. 457.
- Zahm, Edward, assignor to Zahm Manufacturing Company, Buffalo, N. Y. Filtration. No. 1,077,448; Nov. 4; Gaz. vol. 196; p. 73.
- Zahm Manufacturing Company. (See Zahm, Edward, assignor.)
- Zahn, Friedrich, Hanau, Germany. Means for making cigar-fillers. No. 1,060,876; May 6; Gaz. vol. 190; p. 108.
- Zahn, Oswald F., Detroit, Mich. Roller-bearing. No. 1,055,849; Mar. 11; Gaz. vol. 188; p. 438.
- Zahn, Robert, Plauen, Germany. Automatic stop mechanism for jacquard embroidering-machines. No. 1,049,556; Jan. 7; Gaz. vol. 186; p. 82.
- Zahn, Robert, Plauen, Germany. Jacquard embroidering-machine. No. 1,063,492; June 3; Gaz. vol. 191; p. 109.
- Zahn, Robert, Plauen, Germany. Jacquard embroidering-machine. No. 1,065,095; June 17; Gaz. vol. 191; p. 723.
- Zahn, Robert, Plauen, Germany. Jacquard mechanism for embroidering-machines. No. 1,074,565; Sept. 30; Gaz. vol. 194; p. 1109.
- Zahn, Robert, Plauen, Germany. Oscillatory shuttle. No. 1,082,003; Dec. 23; Gaz. vol. 197; p. 807.
- Zahn, Robert, Plauen, Germany. Shuttle embroidering-machine. No. 1,082,456; Dec. 23; Gaz. vol. 197; p. 961.
- Zahorski, Boleslas, New York, N. Y. Producing citric acid. No. 1,066,358; July 1; Gaz. vol. 192; p. 160.
- Zähringer, Arnold, assignor to Firm of R. Bosch, Stuttgart, Germany. Ball-and-socket joint. No. 1,079,531; Nov. 25; Gaz. vol. 196; p. 881.
- Zähringer, Arnold, assignor to Firm of R. Bosch, Stuttgart, Germany. Adjustable timing apparatus for electric ignition systems. No. 1,079,532; Nov. 25; Gaz. vol. 196; p. 882.
- Zaiden, Davis, New York, assignor of one-half to L. Levine, Brooklyn, and one-half to W. C. Horn Bro. & Co., New York, N. Y. Device for molding hollow heads of figures. No. 1,055,502; Mar. 11; Gaz. vol. 188; p. 322.
- Zak, John F., Chicago, Ill. Detachable button. No. 1,071,855; Sept. 2; Gaz. vol. 194; p. 64.
- Zalkin, Harry, New York, N. Y., assignor to Follow-Up System Co. Guide. No. 1,057,515; Apr. 1; Gaz. vol. 189; p. 41.
- Zander, John, Chicago, Ill. Automatic check-valve for gas. No. 1,067,633; July 15; Gaz. vol. 192; p. 662.
- Zander, Oscar A., Stockholm, Sweden. Method and apparatus for magnetic separation. No. 1,074,999; Oct. 7; Gaz. vol. 195; p. 140.
- Zane, James L., Farmington, Iowa. Toe-calk shears. No. 1,058,134; Apr. 8; Gaz. vol. 189; p. 298.
- Zanetti, Andrew and J., San Francisco, Cal. Paper-cutting machine. No. 1,062,427; May 20; Gaz. vol. 190; p. 709.
- Zanetti, Joseph. (See Zanetti, Andrew and J.)
- Zapf, Daniel P., Canastota, N. Y. Controlling means for automobiles. No. 1,055,435; Mar. 11; Gaz. vol. 188; p. 300.
- Zapfe, Oscar. (See Nelson, Black and Zapfe.)
- Zarbock, Ernst F., Centralia, Ill. Hydrocarbon-burner. No. 1,060,305; Apr. 29; Gaz. vol. 189; p. 1156.
- Zaremba Company. (See Mantius, Otto, assignor.)
- Zarker, John J., Wiconisco, Pa. Cigar-holder. No. 1,073,457; Sept. 16; Gaz. vol. 194; p. 687.
- Zart, Arthur. (See Desamari and Zart.)
- Zart, Arthur. (See Schweitzer and Zart.)
- Zart, Arthur. (See Desamari, Günther, Schweitzer, and Zart.)
- Zart, Arthur, Vohwinkel, near Elberfeld, and K. Desamari, assignors to Farbenfabriken vorm. Friedr. Bayer & Co., Elberfeld, Germany. Monoazo dye. No. 1,058,692; Apr. 8; Gaz. vol. 189; p. 489.
- Zarth, Otto, Aurora, Ill. Vehicle-wheel. No. 1,050,506; Jan. 14; Gaz. vol. 186; p. 441.
- Zarth, Otto, Aurora, Ill. Repair-spoke for wheels. No. 1,059,098; Apr. 15; Gaz. vol. 189; p. 670.
- Zawistowski, Martin, et al. (See Perlman, David, assignor.)
- Zdanowich, Antony, Antrim, Pa. Acetylene-lamp. No. 1,049,437; Jan. 7; Gaz. vol. 186; p. 41.
- Zeamans, Harold R., New York, N. Y. Liquid-dispensing device. No. 1,078,028; Nov. 11; Gaz. vol. 196; p. 302.
- Zecher, Frank J., assignor to The Barry and Zecher Co. Iron Founders and Machinist, Lancaster, Pa. Pump. No. 1,049,964; Jan. 7; Gaz. vol. 186; p. 218.
- Zeckendorf, Alois. (See Hentschel, Oswald, assignor.)
- Zeckendorf, Alois, Cincinnati, Ohio. Regaining alcohol from air passed through fermenting-vats or the like. No. 1,051,051; Jan. 21; Gaz. vol. 186; p. 662.
- Zeckhauser, Ezekiel, Mount Pleasant, Pa. Lock. No. 1,083,173; Dec. 30; Gaz. vol. 197; p. 1237.
- Zederbohm, Willy, Charlottenburg, assignor to Siemens-Schuckert-Werke, G. m. b. H., Berlin, Germany. Means for switching booster-transformers. No. 1,065,760; June 24; Gaz. vol. 191; p. 985.
- Zeeman, Louis, G. F. Flad, and A. Wilson, Philadelphia, Pa. Cigar-wrapper-cutting machine. No. 1,052,300; Feb. 4; Gaz. vol. 187; p. 156.
- Zeglenski, Ludwig. (See Smith and Zeglenski.)
- Zeh, Edmund W., Newark, N. J. Power-press. No. 1,076,931; Oct. 28; Gaz. vol. 195; p. 920.

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- Zehner, Joseph S. (See Cleary, Joseph N., assignor.)
- Zehntner, Ernst, assignor to Dye Works, formerly L. Durand, Huguenin & Co., Basel, Switzerland. Disazo dyestuffs and making same. No. 1,075,134; Oct. 7; Gaz. vol. 195; p. 188.
- Zeidler, Paul M., Mount Vernon, N. Y. Fall-board for pianos. No. 1,050,507; Jan. 14; Gaz. vol. 186; p. 441.
- Zeigler, Nellie T., Reno, Nev. Electric-lamp bracket. No. 1,066,423; June 24; Gaz. vol. 191; p. 871.
- Zeigler, Perry D., Dubois, Pa. Toy gun. No. 1,058,931; Apr. 15; Gaz. vol. 189; p. 611.
- Zeller, John L., Clayton, Mo. Apparatus for closing and sealing bottle-tops. No. 1,050,325; Jan. 14; Gaz. vol. 186; p. 376.
- Zeller, John L., Orosi, Cal. Apparatus for filling bottles. No. 1,064,677; June 10; Gaz. vol. 191; p. 550.
- Zeller, John L., Orosi, Cal. Apparatus for filling and closing bottles. No. 1,070,222; Aug. 12; Gaz. vol. 193; p. 419.
- Zeimet, Carlo, New York, N. Y. Sectional concrete building. No. 1,072,293; Sept. 2; Gaz. vol. 194; p. 210.
- Zeise, Alfred T., Altona-Othmarschen, Germany. Flying-machine. No. 1,052,199; Feb. 4; Gaz. vol. 187; p. 123.
- Zeiser, William A., and G. B. Pickop, assignors to The Universal Machine Screw Company, Hartford, Conn. Driving mechanism for multiple-spindle screw-machines. No. 1,053,465; Feb. 18; Gaz. vol. 187; p. 631.
- Zeiss, Firm of Carl. (See Eppenstein, Otto, assignor.)
- Zeiss, Firm of Carl. (See König, Albert, assignor.)
- Zeiss, Firm of Carl. (See Mackensen, Otto, assignor.)
- Zeiss, Firm of Carl. (See Straubel, Rudolf, assignor.)
- Zeiss, Firm of Carl. (See Wandersleb, Ernst, assignor.)
- Zeidler, Max. (See Reiff, William H., assignor.)
- Zeitlin, Joseph, South Kensington, London, England. Vacuum-pump. No. 1,069,510; Aug. 5; Gaz. vol. 193; p. 147.
- Zeitz, John J., assignor to The American Multigraph Company, Cleveland, Ohio. Type-transfer device. No. 1,049,965; Jan. 7; Gaz. vol. 186; p. 218.
- Zeitz, Otto R. H., Kiel, Germany. Machine for the manufacture of roof-tiles or other similar articles. No. 1,063,234; June 3; Gaz. vol. 191; p. 23.
- Zeleny, Anthony, Minneapolis, Minn. Device for indicating moisture in grain, &c. No. 1,059,099; Apr. 15; Gaz. vol. 189; p. 670.
- Zellar, Frederick J., assignor of one-half to Dake Engine Co., Grand Haven, Mich. Engine. No. 1,067,705; July 15; Gaz. vol. 192; p. 686.
- Zeller, Fritz, Renton, Wash. Shoe-lace fastener. No. 1,052,551; Feb. 11; Gaz. vol. 187; p. 273.
- Zeller, Reilly W., Shepton, Pa. Fire-door. No. 1,073,554; Sept. 16; Gaz. vol. 194; p. 719.
- Zellers, Louisa C., executrix. (See Zellers, William H.)
- Zellers, William H., deceased; L. C. Zellers, executrix, assignor to J. W. Hepworth, Philadelphia, Pa. Machine for sewing knitted fabrics. No. 1,069,367; Aug. 5; Gaz. vol. 193; p. 98.
- Zellner, Henry H. (See Korper, Simon, assignor.) (Re-issue.)
- Zelma, Isiah Z., Andalusia, Ala. Clutch. No. 1,058,681; Apr. 8; Gaz. vol. 189; p. 486.
- Zelner, Otto S. (See Newkirk and Zelner.)
- Zeman, Louis, Tobias, Nebr. Combined brace and clamp element. No. 1,069,511; Aug. 5; Gaz. vol. 193; p. 147.
- Zenneck, Jonathan, Danzig-Langfuhr, and K. Vollmer, Jena, Germany, assignors to Norsk Hydro Elektrisk Kvaestofaktieselskab, Christiania, Norway. Production of long stable electric arcs. No. 1,063,760; June 3; Gaz. vol. 191; p. 204.
- Zepp, Artimus G. (See Trench and Zepp.)
- Zerbe, Lewis E., Flint, Mich. Restaurant equipment. No. 1,081,358; Dec. 16; Gaz. vol. 197; p. 563.
- Zerk Manufacturing Company, The. (See Zerk, Oscar, assignor.)
- Zerk, Oscar, assignor to The Zerk Manufacturing Company, Cleveland, Ohio. Grease-cup. No. 1,057,793; Apr. 1; Gaz. vol. 189; p. 136.
- Zerk, Oscar, assignor to The Zerk Manufacturing Company, Cleveland, Ohio. Lubricating spring-bolt. No. 1,066,970; July 8; Gaz. vol. 192; p. 400.
- Zerreiss, Jean. (See Georges, Valentin, and Zerreiss.)
- Zesbaugh, Lawrence G., Minneapolis, Minn. Hat-pin guard. No. 1,064,808; June 17; Gaz. vol. 191; p. 629.
- Zetka, John F., Newark, N. J. Hat-fastener. No. 1,056,083; Mar. 18; Gaz. vol. 188; p. 551.
- Zetschok, Max, San Francisco, Cal. Velocipede-support. No. 1,077,183; Oct. 28; Gaz. vol. 195; p. 1002.
- Zettel, Frederick, Cincinnati, Ohio. Bearing for lens-grinding machines. No. 1,061,030; May 6; Gaz. vol. 190; p. 164.
- Zetterlund, Carl, Chicago, Ill. Elevating and lowering apparatus. No. 1,060,394; Apr. 29; Gaz. vol. 189; p. 1188.
- Zetterstrom, Uno L. M., and C. G. Helstrom, Hartford, Conn. Tobacco-pipe. No. 1,082,384; Dec. 23; Gaz. vol. 197; p. 939.
- Zetervall, Carl T., Brainerd, Minn. Horseshoe. No. 1,071,128; Aug. 26; Gaz. vol. 193; p. 800.
- Zenger, Simon F., Covington, Pa. Spring-wheel. No. 1,049,635; Jan. 7; Gaz. vol. 186; p. 109.
- Zick, Grace S., New York, N. Y. Head-scarf. No. 1,075,181; Oct. 7; Gaz. vol. 195; p. 204.
- Zickerman, Wilhelm A., Boston, Mass., assignor to Clifton Manufacturing Company, Jersey City, N. J. Insole-filling machine. No. 1,067,706; July 15; Gaz. vol. 192; p. 686.
- Zieg, Frank B. (See Hanna, Samuel C., assignor.)
- Zieg, Frank B., assignor to The F. B. Zieg Manufacturing Company, Fredericktown, Ohio. Culvert and culvert-pipe. No. 1,053,134; Feb. 11; Gaz. vol. 187; p. 474.
- Ziegel, Fred, assignor of one-half to O. H. Hartman, Brookhaven, Miss. Metallic well-bucket. No. 1,075,277; Oct. 7; Gaz. vol. 195; p. 240.
- Ziegenbalg, William. (See Conklin, Herbert J., assignor.)
- Ziegenfuss, Friedrich, assignor to Fried. Krupp Aktiengesellschaft, Essen-on-the-Ruhr, Germany. Illuminating-body for illuminating-projectiles. No. 1,079,821; Nov. 25; Gaz. vol. 196; p. 984.
- Ziegfeld, Elizabeth, Rochester, N. Y. Combination cap and sunbonnet. No. 1,082,144; Dec. 23; Gaz. vol. 197; p. 854.
- Ziegler, Alfred A., Boston, Mass. Electromagnet. No. 1,053,340; Feb. 18; Gaz. vol. 187; p. 589.
- Ziegler, Alfred A., Boston, Mass. Railway signal-lantern. No. 1,082,577; Dec. 30; Gaz. vol. 197; p. 1037.
- Ziegler, Alfred M., assignor to The A. Ziegler & Sons Co., Boston, Mass. Fastener. No. 1,068,620; July 29; Gaz. vol. 192; p. 1071.
- Ziegler, Alfred M., Roxbury, Mass., assignor to A. Ziegler & Sons Company. Buttonhole piece for suspenders. No. 1,070,573; Aug. 19; Gaz. vol. 193; p. 583.
- Ziegler, Anna V., Los Angeles, Cal. Elastic supporter. No. 1,055,118; Mar. 4; Gaz. vol. 188; p. 157.
- Ziegler, Henry L. and J. P., New Bridge, Oreg. Head-gate. No. 1,065,761; June 24; Gaz. vol. 191; p. 985.
- Ziegler, John P. (See Ziegler, Henry L. and J. P.)
- Ziegler, Joram A., Chattanooga, Tenn., assignor to Elliott-Fisher Company, Harrisburg, Pa. Ribbon mechanism for type-writing machines. No. 1,082,104; Dec. 23; Gaz. vol. 197; p. 842.
- Ziegler, Peter W., Chicago, Ill. Floor-cleaner. No. 1,067,570; July 15; Gaz. vol. 192; p. 640.
- Ziegler, William F., Los Angeles, Cal. Fountain-brush. No. 1,080,669; Dec. 9; Gaz. vol. 197; p. 291.
- Ziehler, Bernard H., Dayton, Ohio. Permutation-lock. No. 1,078,120; Nov. 11; Gaz. vol. 196; p. 333.
- Zielinski, Hieronymus, Berlin, Germany. Motor-vehicle. No. 1,072,557; Sept. 9; Gaz. vol. 194; p. 332.
- Zierath, Augustus C., Los Angeles, Cal. Drill-pipe with lock-joint. No. 1,054,812; Mar. 4; Gaz. vol. 188; p. 56.
- Zierden, William E., Johnsonburg, Pa. Feed-water regulator. No. 1,051,302; Jan. 21; Gaz. vol. 186; p. 746.
- Zietlow, William J., Cedarburg, Wis. Curtain pole and hanger. No. 1,074,683; Oct. 7; Gaz. vol. 195; p. 34.
- Zieve, Abraham, and H. Davidovitz, New York, N. Y. Automobile tire-trunk. No. 1,074,079; Sept. 23; Oct. vol. 194; p. 920.
- Zifferblatt, Arnold H. (See Heldrich, Andrew, assignor.)
- Zifferer, Lothar R., Chicago, Ill. Expansion-bolt. No. 1,080,615; Dec. 9; Gaz. vol. 197; p. 273.
- Zikmund, Jerry, Poughkeepsie, N. Y. Caster. No. 1,058,837; Apr. 15; Gaz. vol. 189; p. 578.
- Zilius, John, Huntingdon, Pa. Device for repairing car-couplings. No. 1,073,383; Sept. 16; Gaz. vol. 194; p. 661.
- Zillgitt, Gustav A., Milwaukee, Wis. Reinforced-concrete post or pole. No. 1,052,990; Feb. 11; Gaz. vol. 187; p. 423.
- Zilliox, John, Buffalo, N. Y. Boiler-tube cleaner. No. 1,058,932; Apr. 15; Gaz. vol. 189; p. 611.
- Zimmer, Albert E., assignor to Enterprise Railway Equipment Company, Chicago, Ill. Car-door-operating mechanism. No. 1,059,422; Apr. 22; Gaz. vol. 189; p. 817.
- Zimmer, Albert E., assignor to Enterprise Railway Equipment Company, Chicago, Ill. Door mechanism for hopper-doors. No. 1,065,328; June 17; Gaz. vol. 191; p. 809.
- Zimmer, Conrad W., Buffalo, and G. W. Benjamin, Rochester, N. Y.; said Benjamin assignor to said Zimmer. Chain for filing-cabinets, &c. No. 1,082,298; Dec. 23; Gaz. vol. 197; p. 910.
- Zimmer, Cyrus W., New York, N. Y. Semifireless incubator. No. 1,075,747; Oct. 14; Gaz. vol. 195; p. 426.
- Zimmer, Cyrus W., New York, N. Y. Poultry-feeder. No. 1,080,133; Dec. 2; Gaz. vol. 197; p. 75.
- Zimmer, John H., assignor to Taylor Brothers Churn and Manufacturing Company, St. Louis, Mo. Generator-box for vapor lighting systems. No. 1,063,634; June 3; Gaz. vol. 191; p. 160.
- Zimmer Nachf., Firm of Otto. (See Lampe, Otto, assignor.)
- Zimmer, Wilson A., Cleveland, assignor, by mesne assignments, to The Cleveland Ice Machine & Manufacturing Company, Lorain, Ohio. Compressor-valve. No. 1,050,048; Jan. 7; Gaz. vol. 186; p. 248.

- Zimmerman, Alonzo, Ansted, W. Va. Metal tie and rail-fastener. No. 1,078,326; Nov. 11; Gaz. vol. 196; p. 405.
- Zimmerman, Charles F., Jersey City, N. J. Shears. No. 1,082,385; Dec. 23; Gaz. vol. 197; p. 939.
- Zimmerman, Charles H., St. Paul, Kans. Window and door screen. No. 1,074,153; Sept. 30; Gaz. vol. 194; p. 974.
- Zimmerman, Clarence I., deceased, Niagara Falls, N. Y.; J. G. Zimmerman, administrator, assignor to General Electric Company. Electrolytic condenser. No. 1,074,231; Sept. 30; Gaz. vol. 194; p. 1001.
- Zimmerman, Harry, St. Paul, Minn. Shock-gatherer. No. 1,075,748; Oct. 14; Gaz. vol. 195; p. 426.
- Zimmerman, James G., administrator. (See Zimmerman, Clarence I.)
- Zimmerman, James G., Milwaukee, Wis., assignor to Allis-Chalmers Company. Current-collecting device for dynamo-electric machines. No. 1,055,963; Mar. 11; Gaz. vol. 188; p. 475.
- Zimmerman, John B., and O. S. Sells, assignors to Peerless Husker Company, Buffalo, N. Y. Trimmer for butt-ends of corn. No. 1,077,577; Nov. 4; Gaz. vol. 196; p. 117.
- Zimmerman, John W., Chicago, Ill., assignor to Zimmerman Novelty Company. Toy. No. 1,080,670; Dec. 9; Gaz. vol. 197; p. 292.
- Zimmerman, Martin, Ephrata, Pa. Door-bell. No. 1,079,822; Nov. 25; Gaz. vol. 196; p. 985.
- Zimmerman, Morris H., New York, N. Y. Boy's knickerbockers. No. 1,062,628; May 27; Gaz. vol. 190; p. 818.
- Zimmerman Novelty Company. (See Zimmerman, John W., assignor.)
- Zimmerman, Rudolph V., assignor of one-half to A. H. Woodward, Alexandria, Ind. Bath-mat. No. 1,065,909; June 24; Gaz. vol. 191; p. 1035.
- Zimmerman, Samuel, Seneca, Kans. Tool. No. 1,076,732; Oct. 28; Gaz. vol. 195; p. 849.
- Zimmerman, William A., *et al.* (See Head, Carlos S., assignor.)
- Zimmerman, William C., New York, N. Y. Airship. No. 1,050,415; Jan. 14; Gaz. vol. 186; p. 406.
- Zimmermann, Charles, Jr. (See Schlueter and Zimmermann.)
- Zimmermann, Charles E., Syracuse, N. Y. Machine for cutting column-staves. No. 1,054,073; Feb. 25; Gaz. vol. 187; p. 874.
- Zimmermann, Fritz, assignor to Baker & Co., Newark, N. J. Alloy of platinum and osmium. No. 1,055,119; Mar. 4; Gaz. vol. 188; p. 157.
- Zimmermann, Oscar, Los Angeles, Cal. Vehicle-swing. No. 1,051,796; Jan. 28; Gaz. vol. 186; p. 943.
- Zimpel, Erwin, Glogau, Germany. Balance. No. 1,078,029; Nov. 11; Gaz. vol. 196; p. 302.
- Zimprich, Alois, Oberndorf-Purgstall, Austria-Hungary. Resilient wheel for vehicles. No. 1,050,197; Jan. 14; Gaz. vol. 186; p. 331.
- Zindel, William, Bigelow, Ark. Door-check. No. 1,076,933; Oct. 28; Gaz. vol. 195; p. 921.
- Zingg, Fritz, Zurich, Switzerland. Spring upholstery. No. 1,052,706; Feb. 11; Gaz. vol. 187; p. 326.
- Zingre, Charles, Clayton, Mo. Horse lawn-shoe. No. 1,050,901; Jan. 21; Gaz. vol. 186; p. 610.
- Zinsli, Martin, Sentinel Butte, N. D. Clutch for harvester-reels. No. 1,054,480; Feb. 25; Gaz. vol. 187; p. 1014.
- Zinsser, Frederick G. (See Hartwig, Charles, assignor.)
- Zinsser, Frederick G. (See Nissinen, Toimi A., assignor.)
- Ziolkowski, Vincent, San Diego, Cal. Combination high chair, crib, and baby-walker. No. 1,064,041; June 10; Gaz. vol. 191; p. 332.
- Zion, James F., Phoenix, Ariz. Ore-concentrator. No. 1,052,301; Feb. 4; Gaz. vol. 187; p. 156.
- Zippler, Francis J., Avalon, Pa. Furnace. No. 1,055,589; Mar. 11; Gaz. vol. 188; p. 349.
- Zippler, Michael, Jr., Pittsburgh, Pa. Cupola-furnace. No. 1,052,875; Feb. 11; Gaz. vol. 187; p. 383.
- Zirkle, Harry M., St. Paris, Ohio. Rail-splice. No. 1,050,590; Jan. 14; Gaz. vol. 186; p. 469.
- Zirkilton, Franz X., Philadelphia, Pa. Necklace-clasp. No. 1,081,184; Dec. 9; Gaz. vol. 197; p. 465.
- Zito, Salvatore, *et al.* (See De Giovanni, Gaetano, assignor.)
- Zitscher, Arthur, and E. J. Rath, Offenbach-on-the-Main, assignors to Chemische Fabrik Greisheim-Elektron, Frankfurt-on-the-Main, Germany. Making nitro-amino derivatives of the anthraquinone series. No. 1,066,777; July 8; Gaz. vol. 192; p. 336.
- Zittlosen Manufacturing Company. (See Schultz and Wetteroth, assignors.)
- Zitzerman, Isaac D., Kansas City, Mo. Lock-nut. No. 1,063,146; May 27; Gaz. vol. 190; p. 988.
- Zitzmann, George, West Hoboken, N. J., and F. Shoreys, New York, N. Y. Bottle-label. No. 1,052,991; Feb. 11; Gaz. vol. 187; p. 424.
- Zivley, Dennis C., El Paso, Tex. Stamp and coin envelop. No. 1,077,783; Nov. 4; Gaz. vol. 196; p. 186.
- Zizinia, Paul T., New York, N. Y. Hickey. No. 1,080,616; Dec. 9; Gaz. vol. 197; p. 274.
- Zizinia, Paul T., New York, N. Y. Hickey. No. 1,080,617; Dec. 9; Gaz. vol. 197; p. 274.
- Zochling, Anton, Brooklyn, N. Y. Coating compound for razor-strops. No. 1,080,618; Dec. 9; Gaz. vol. 197; p. 274.
- Zoelly, Heinrich, Zurich, Switzerland. Device for electromagnetic suspension. No. 1,081,260; Dec. 9; Gaz. vol. 197; p. 492.
- Zoffer Plate Glass Manufacturing Company. (See Bag-nall, Edward, assignor.)
- Zoll, John C., Northstar, Mich. Gate. No. 1,075,890; Oct. 14; Gaz. vol. 195; p. 474.
- Zolle, Edward A., assignor to Moore Carving Machine Company, Minneapolis, Minn. Regulator for multiple-cylinder engines. No. 1,065,491; June 24; Gaz. vol. 191; p. 894.
- Zoller, Charles. (See Steiner, Isidor, assignor.)
- Zoppa, Rudolf, Montclair, N. J. Electric cut-off for marine and other steam-engines. No. 1,056,482; Mar. 18; Gaz. vol. 188; p. 686.
- Zouri Manufacturing Company. (See Murnane, Daniel J., assignor.)
- Zschocke, Albert J. (See Minea, Zschocke, and Rauch-warner.)
- Zsuzsits, Vincenz, Aurora, Ill. Antirefillable bottle. No. 1,072,895; Sept. 9; Gaz. vol. 194; p. 452.
- Zuber, John G., assignor to Sears, Roebuck and Company, Chicago, Ill. Skirt-marker. No. 1,077,326; Nov. 4; Gaz. vol. 196; p. 30.
- Zuber, Gottlieb, assignor of one-fourth to F. Girtanner, St. Louis, Mo., and three-eighths to H. Zuber, Murphysboro, Ill. Sink. No. 1,053,466; Feb. 18; Gaz. vol. 187; p. 631.
- Zuber, Herman, *et al.* (See Zuber, Gottlieb, assignor.)
- Zuber, Quirin, Mount Vernon, N. Y. Overshoe for animals. No. 1,078,479; Nov. 11; Gaz. vol. 196; p. 458.
- Zublin, Eduard, Strassburg, Germany. Closure for exit-orifices of silos and the like. No. 1,061,579; May 13; Gaz. vol. 190; p. 386.
- Zuck, David H., Firstview, Colo. Animal-poke. No. 1,060,054; Apr. 29; Gaz. vol. 189; p. 1069.
- Zukor, Arnold, assignor of one-fourth to M. Newman, New York, N. Y. Railway-signal. No. 1,053,691; Feb. 18; Gaz. vol. 187; p. 709.
- Zullinger, Charles, *et al.* (See Hamm, Clayton W., assignor.)
- Zumwalt, William A., Farmington, Cal. Framing-templet. No. 1,059,513; Apr. 22; Gaz. vol. 189; p. 849.
- Zundel, Low, La Grande, Oreg. Non-refillable bottle. No. 1,055,590; Mar. 11; Gaz. vol. 188; p. 350.
- Zuydhoeck, Harmanus, Briarcliff Manor, N. Y. Domino or playing cards. No. 1,057,206; Mar. 25; Gaz. vol. 188; p. 966.
- Zweigbergk, Thorsten von, Southport, England, assignor to General Electric Company. High-tension blow-out. No. 1,055,850; Mar. 11; Gaz. vol. 188; p. 438.
- Zwermann, Carl H., Kalamazoo, Mich. Milk-can. No. 1,059,423; Apr. 22; Gaz. vol. 189; p. 817.
- Zwermann, Carl H., Kalamazoo, Mich. Milk-can. No. 1,059,424; Apr. 22; Gaz. vol. 189; p. 818.
- Zwermann, Carl H., Kalamazoo, Mich. Flushing-tank. No. 1,067,893; July 22; Gaz. vol. 192; p. 782.
- Zwermann, Carl H., Kalamazoo, Mich. Tank-casing. No. 1,067,894; July 22; Gaz. vol. 192; p. 783.
- Zwick, Melchior. (See Janssen and Zwick.)
- Zwiebel, Ambrose A., Wilkes-Barre, Pa. Screw-driver. No. 1,069,312; Aug. 5; Gaz. vol. 193; p. 77.
- Zyttkowski, Bruno, Tempelhof, near Berlin, Germany. Making accumulator-plates. No. 1,075,958; Oct. 14; Gaz. vol. 195; p. 498.
- Zywicki, Jan, Newark, N. J. Polishing-machine. No. 1,083,046; Dec. 30; Gaz. vol. 197; p. 1199.

ALPHABETICAL LIST OF PATENTEES OF DESIGNS:

- A. B. Stove Company. (See Alexander and Berry, assignors.)
A. H. Heisey & Co. (See Sanford, Andrew J., assignor.)
A. H. & F. H. Lippincott. (See Lippincott, Fisher H., assignor.)
A. J. Deer Co., The. (See Prims, Josef C., assignor.)
Abrahams, Philip. (See Simmons and Abrahams.)
Abram Cox Stove Company. (See Van Buren, Jafew S., assignor.)
Abramson, Harry, Philadelphia, Pa. Sad-iron grate. No. 43,492; Feb. 4; Gaz. vol. 187; p. 210.
Abramson, Harry, Philadelphia, Pa. Sad-iron top. No. 43,493; Feb. 4; Gaz. vol. 187; p. 210.
Ackerman, Henry, Clifton Park, N. J. Gem-setting. No. 44,160; June 10; Gaz. vol. 191; p. 563.
Ackerman, Henry, Weehawken, N. J. Jewel-mounting. Nos. 44,328-9; July 15; Gaz. vol. 192; p. 717.
Ackermann, George, Cincinnati, Ohio, assignor to The R. J. Reynolds Tobacco Company, Winston-Salem, N. C. Can. No. 44,463; Aug. 12; Gaz. vol. 193; p. 478.
Acme Shear Company, The. (See Karsitz, Frank, assignor.)
Acme Shear Company, The. (See Wheeler, David C., assignor.)
Adamian, Parnag A., and A. Dahan, Boston, Mass. Casing for cigar-lighters. No. 44,080; May 27; Gaz. vol. 190; p. 1001.
Adams, John M., Chicago, Ill. Corner member for bed-spring frames. No. 44,229; June 24; Gaz. vol. 191; p. 1044.
Adams, Laura, Absecon, assignor of one-third to W. C. Adams, Atlantic City, N. J. Needle and pin case. No. 43,918; Apr. 29; Gaz. vol. 189; p. 1255.
Adams, Walter C. (See Adams, Laura, assignor.)
Adams & Westlake Company, The. (See Hamm, William S., assignor.)
Adams & Westlake Company, The. (See Hamm and Douglas, assignors.)
Adams & Westlake Company, The. (See Newbold, Roger M., assignor.)
Advance Manufacturing Company. (See Barnes, Edward M., assignor.)
Alden, Lucy, Saginaw, Mich. Hat. No. 44,910; Nov. 25; Gaz. vol. 196; p. 1023.
Alexander, Alexander. (See Murphy and Redner, assignors.)
Alexander, Anst, and A. M. Steinberg, Paris, Tenn. Bottle. No. 44,867; Nov. 11; Gaz. vol. 196; p. 505.
Alexander, Anst, and A. M. Steinberg, Paris, Tenn. Bottle. Nos. 44,881-3; Nov. 18; Gaz. vol. 196; p. 783.
Alexander, Jesse, New York, N. Y. Type-writing-machine frame. No. 43,860; Apr. 22; Gaz. vol. 189; p. 998.
Alexander, Jesse, New York, N. Y. Type-writing-machine frame. No. 44,348; July 22; Gaz. vol. 192; p. 963.
Alexander, Jesse, New York, N. Y. Type-writing-machine frame. No. 44,743; Oct. 21; Gaz. vol. 195; p. 791.
Alexander, John A., and F. K. Berry, assignors to A. B. Stove Company, Battle Creek, Mich. Gas-range. No. 44,951; Dec. 2; Gaz. vol. 197; p. 214.
Alexander, Louis A., assignor to The F. Bissell Company, Toledo, Ohio. Casing for vacuum-cleaners. No. 43,837; Apr. 15; Gaz. vol. 189; p. 753.
Allbee, Elmer E., Arlington, N. J., assignor to Safety Car Heating & Lighting Company. Electric fixture. No. 44,349; July 22; Gaz. vol. 192; p. 963.
Allen, Archibald K., Seattle, Wash. Automobile-tire. No. 45,083; Dec. 30; Gaz. vol. 197; p. 1270.
Allen Cut Glass Company. (See Allen, William, assignor.)
Allen, Grosvenor N., assignor to Oneida Community, Limited, Oneida, N. Y. Handle for spoons, forks, or similar articles. No. 43,811; Apr. 8; Gaz. vol. 189; p. 495.
Allen, Samuel L., Moorestown, N. J. Lever. No. 43,953; May 6; Gaz. vol. 190; p. 237.
Allen, William, Johnstown, Pa., assignor to Allen Cut Glass Company. Cut-glass vessel. No. 44,330; July 15; Gaz. vol. 192; p. 718.
Alpaugh, Samuel P., Martins Ferry, Ohio, assignor to Wheeling Sanitary Manufacturing Company, Wheeling, W. Va. Bowl for water-closets. No. 44,911; Nov. 25; Gaz. vol. 196; p. 1023.
Altenberg, George P., Cincinnati, Ohio. Casing for vacuum-insulated pitchers. Nos. 44,601-2; Sept. 2; Gaz. vol. 194; pp. 254-5.
Althoff, Henry H., Middle Village, N. Y. Grave-inclosure. No. 44,884; Nov. 18; Gaz. vol. 196; p. 783.
American Bankers Safety Co. (See Arnold, W. E., assignor.)
American Boy Scouts. (See Stewart, David, assignor.)
American Cigar Company. (See Weiss, Nathan, assignor.)
American Enamel Company. (See Hawley, John H., assignor.)
American Foundry & Manufacturing Company, The. (See Fisher, Charles E., assignor.)
American Graphophone Company. (See Wirts and Duckwall, assignors.)
American Graphophone Company. (See Woods, Clinton E., assignor.)
American Hard Rubber Company. (See Grell, Frederick W., assignor.)
American Hardware Corporation. (See Keller, Sidney A., assignor.)
American Optical Company. (See Baker, Nelsom M., assignor.)
American Silver Company, The. (See Large, Samuel J., assignor.)
American Stove Company. (See Possons, Minard A., assignor.)
American Street Lighting Company. (See Newbold, Eugene S., assignor.)
American Tobacco Company. (See Tessier, Mortimer V., assignor.)
Amster, Nehemiah A., Royersford, Pa. Stocking-darner. No. 43,710; Mar. 18; Gaz. vol. 188; p. 787.
Andersen, Paul, Freeport, N. Y. Hammer-head. No. 44,649; Sept. 16; Gaz. vol. 194; p. 730.
Anderson Electric Car Company. (See Anderson, William C., assignor.)
Anderson, William C., assignor to Anderson Electric Car Company, Detroit, Mich. Vehicle-body. No. 44,698; Sept. 30; Gaz. vol. 194; p. 1122.
Andrew B. Hendryx Co., The. (See Hendryx, Nathan W., assignor.)
Anklam, William F., assignor to C. M. Hall Lamp Company, Detroit, Mich. Lamp. Nos. 45,039-40; Dec. 16; Gaz. vol. 197; p. 757.
Aranyi, Joseph, Wallingford, assignor to International Silver Co., Meriden, Conn. Handle for spoons, forks, or similar articles. No. 45,053; Dec. 23; Gaz. vol. 197; p. 973.
Armstrong Cork Company. (See Drew, Arthur W., assignor.)
Armstrong Cork Company. (See Humphreys, Charles F., assignor.)
Armstrong Cork Company. (See Humphreys, Harry, assignor.)
Armstrong Cork Company. (See Wilde, Hadassah, assignor.)
Armstrong, James W., Fond du Lac, Wis. Suit of playing-cards. No. 44,395; July 29; Gaz. vol. 192; p. 1237.
Arnold, John D., Pittsburgh, Pa. Miniature church for home devotion. No. 44,912; Nov. 25; Gaz. vol. 196; p. 1023.
Arnold, Wilber E., Madisonville, Ohio, assignor to American Bankers Safety Co., New York, N. Y. Vault-front. No. 43,711; Mar. 18; Gaz. vol. 188; p. 787.
Ashton, Simeon H., Rhinelander, Wis. Spoon. No. 43,812; Apr. 8; Gaz. vol. 189; p. 495.
Aspinwall, Robert S., Cleveland, Ohio, assignor to The Virden Manufacturing Company. Shell for lighting-fixtures or similar articles. Nos. 44,699-700; Sept. 30; Gaz. vol. 194; p. 1122.
Astruck, John H., New York, N. Y. Tray. Nos. 44,121-2; June 3; Gaz. vol. 191; pp. 266-7.
Atkinson, Wilmer, Philadelphia, Pa. Badge. No. 44,161; June 10; Gaz. vol. 191; p. 563.
Aufiero, Emanuel, Brooklyn, N. Y. Automobile-horn. No. 43,732; Mar. 25; Gaz. vol. 188; p. 1030.
Aufiero, Emanuel, Brooklyn, N. Y. Casing for signal devices. No. 44,744; Oct. 21; Gaz. vol. 195; p. 791.
Aufiero, Emanuel, Brooklyn, N. Y. Handle for hand-actuated warning-signals. No. 44,994; Dec. 9; Gaz. vol. 197; p. 503.
Aufiero, Emanuel and M. A., Brooklyn, N. Y. Warning-signal casing and terminals. No. 43,952; Apr. 29; Gaz. vol. 189; p. 1261.
Aufiero, Michael A. (See Aufiero, Emanuel and M. A.)
Austin, Daniel S., Sodus, N. Y. Medicine-holder. No. 44,675; Sept. 23; Gaz. vol. 194; p. 928.
Auto Strop Company. (See Gaisman, Henry J., assignor.)
Avera, Hardy A. (See Avera, Margaret and H. A.)
Avera, Margaret and H. A., Los Angeles, Cal. Souvenir-spoon. No. 43,494; Feb. 4; Gaz. vol. 187; p. 210.
Avers, Raymond H., assignor to J. & J. Cash, Limited, Coventry, England. Braid or trimming. Nos. 43,977-83; May 13; Gaz. vol. 190; pp. 515-16.
Ayer, James I., assignor to Simplex Electric Heating Company, Cambridge, Mass. Electric range. No. 44,719; Oct. 14; Gaz. vol. 195; p. 518.

- Azzoni, Oreste E. S., Philadelphia, Pa. Statuette. No. 43,984; May 13; Gaz. vol. 190; p. 516.
- B. F. Goodrich Company, The. (See Marks, Arthur H., assignor.)
- B. F. Goodrich Company, The. (See Raymond, Harry K., assignor.)
- B. F. Goodrich Company, The. (See Shaw, Edwin C., assignor.)
- Bachmann, Walter J., Philadelphia, Pa. Goggle-frame. No. 43,514; Feb. 11; Gaz. vol. 187; p. 482.
- Bagnall, Frederick A., assignor to Sykes and Strandberg, Attleboro, Mass. Bracelet-guard. No. 44,265; July 1; Gaz. vol. 192; p. 196.
- Bailey, Charles A., assignor to The J. & E. Stevens Company, Cromwell, Conn. Stove. Nos. 44,831-3; Nov. 4; Gaz. vol. 196; p. 254.
- Bailey, Joseph T., Philadelphia, Pa. Badge, brooch, pin, button, buckle, watch-charm, emblem, insignia, or similar article. No. 44,464; Aug. 12; Gaz. vol. 193; p. 478.
- Bailey, Joseph T., Philadelphia, Pa. Badge, brooch, pin, button, buckle, watch-charm, emblem, insignia, or similar article. No. 44,509; Aug. 19; Gaz. vol. 193; p. 727.
- Baker Motor Vehicle Company, The. See Remde, Edward H., assignor.)
- Baker, Nelsom M., assignor to American Optical Company, Southbridge, Mass. Nose-guard. Nos. 44,230-1; June 24; Gaz. vol. 191; p. 1044.
- Baker-Vawter Company. (See Fraser, John A., assignor.)
- Bandlow, Henry E., Chicago, Ill. Electric toaster and heater. No. 44,049; May 20; Gaz. vol. 190; p. 765.
- Bardwell, Edwin A., Shelburne Falls, Mass. Nail-set. No. 44,834; Nov. 4; Gaz. vol. 196; p. 254.
- Barkhurst, Lewis M., Akron, Ohio. Tire. No. 44,510; Aug. 19; Gaz. vol. 193; p. 727.
- Barlow, Joseph B., Jr. (See Seelig and Barlow.)
- Barnes, Edward M., assignor to Advance Manufacturing Company, Hastings, Mich. Vacuum-cleaner casing. No. 44,511; Aug. 19; Gaz. vol. 193; p. 727.
- Bassett, Isabelle, Taunton, Mass. Plume. No. 43,748; Apr. 1; Gaz. vol. 189; p. 218.
- Bastow, Carodus, Grantwood, N. J., assignor to Standard Converting Company, Baltimore, Md. Rug. No. 44,465; Aug. 12; Gaz. vol. 193; p. 478.
- Bateman, Alfred J., Oakland, Cal. Musical instrument. No. 44,162; June 10; Gaz. vol. 191; p. 563.
- Bates, William M., Scottsboro, Ala. Churn-stand. No. 44,331; July 15; Gaz. vol. 192; p. 718.
- Baxter, Andrew, Jr., Brooklyn, and A. Marcher, New York, N. Y. Container or jar. No. 44,163; June 10; Gaz. vol. 191; p. 563.
- Bayer, Clarence F., New York, N. Y. Lorgnette. No. 44,554; Aug. 26; Gaz. vol. 193; p. 985.
- Beach, Chester H., Racine, assignor to Wisconsin Electric Company, Racine Junction, Wis. Vacuum-cleaner casing. No. 44,512; Aug. 19; Gaz. vol. 193; p. 728.
- Beattie Mfg. Co. (See Trik, Ernest W., assignor.)
- Becker, Fred, Cleveland, Ohio. Macaroni or other edible paste product. No. 43,813; Apr. 8; Gaz. vol. 189; p. 495.
- Beckwith, George C., Minneapolis, Minn. Cake of soap. No. 44,396; July 29; Gaz. vol. 192; p. 1237.
- Beetar, Kalil, New York, N. Y. Emblem. No. 44,350; July 22; Gaz. vol. 192; p. 963.
- Bennett, Arthur J., Cambridge, Ohio. Glass goblet or similar article. No. 44,868; Nov. 11; Gaz. vol. 196; p. 506.
- Bennett, Charles A., Taunton, Mass., assignor to The Bennett-Merwin Silver Company, New Milford, Conn. Teapot or similar article. No. 44,603; Sept. 2; Gaz. vol. 194; p. 255.
- Bennett-Merwin Silver Company, The. (See Bennett, Charles A., assignor.)
- Bentz, Harry, Montclair, N. J. Air-humidifying water-receptacle. No. 43,749; Apr. 1; Gaz. vol. 189; p. 218.
- Bentz, Lucille, Seattle, Wash. Brooch, button, or similar article. No. 43,810; Apr. 1; Gaz. vol. 189; p. 230.
- Berg, John, Chicago, Ill. Cigar-lighter. No. 44,995; Dec. 9; Gaz. vol. 197; p. 503.
- Berggren, August J., Minneapolis, Minn. Candlestick. No. 44,397; July 29; Gaz. vol. 192; p. 1238.
- Berry, Frank K. (See Alexander and Berry.)
- Bertine, Harry B., New York, N. Y. Cabinet. No. 44,650; Sept. 16; Gaz. vol. 194; p. 730.
- Bertram, W. L. (See Carter and Bertram.)
- Berwick, John W., New York, N. Y. Box. No. 44,431; Aug. 5; Gaz. vol. 193; p. 200.
- Betts, Charles L., assignor to R. E. Dietz Company, New York, N. Y. Tubular lantern. No. 43,415; Jan. 7; Gaz. vol. 186; p. 268.
- Bickford, Edward H., Toronto, Ontario, Canada. Foot-board register for motor-cars. No. 43,663; Mar. 4; Gaz. vol. 188; p. 219.
- Bigelow Carpet Company. (See Brown, William F., assignor.)
- Bigelow Carpet Company. (See Elliot, William A., assignor.)
- Bigelow Carpet Company. (See Lacouture, Henry C., assignor.)
- Bigelow Carpet Company. (See Loudon, Milton R., assignor.)
- Bigelow Carpet Company. (See Merry, John, assignor.)
- Bigelow Carpet Company. (See Moffat, John B., assignor.)
- Bigelow Carpet Company. (See Riddell, Robert F., assignor.)
- Bigelow Carpet Company. (See Sauer, Emil G., assignor.)
- Bigelow Carpet Company. (See Schindler, Francis, assignor.)
- Bigelow Carpet Company. (See Spring, John, assignor.)
- Bigelow Carpet Company. (See Spring, William A., assignor.)
- Bigelow Carpet Company. (See Vetter, Ignatius, assignor.)
- Bigney, Sidney O., Attleboro, Mass. Bracelet. No. 43,985; May 13; Gaz. vol. 190; p. 516.
- Binns, Edward H., Pittsburgh, Pa. Automobile-body. No. 44,835; Nov. 4; Gaz. vol. 196; p. 254.
- Birkin, Charles W., Nottingham, England. Levers lace. Nos. 43,750-5; Apr. 1; Gaz. vol. 189; pp. 218-19.
- Birkin, Charles W., Nottingham, England. Levers lace. Nos. 44,651-6; Sept. 16; Gaz. vol. 194; pp. 730-1.
- Bishop, Norman D., Los Angeles, Cal. Covering for electric-lamp sockets. No. 43,515; Feb. 11; Gaz. vol. 187; p. 482.
- Bissell Carpet Sweeper Company. (See Scott, John, assignor.)
- Black & Boyd Manufacturing Company. (See Howell, Hamilton T., assignor.)
- Black and Boyd Manufacturing Company. (See Olcott, Frank N., assignor.)
- Black Hawk Motor Co. (See Meiser, George H., assignor.)
- Blain, Wilson R., Albany, Ore. Union suit. No. 44,604; Sept. 2; Gaz. vol. 194; p. 255.
- Blancard & Company. (See Mountford, Thomas, assignor.)
- Blesch, Charles, Newport, Ky., assignor to The Crane & Breed Manufacturing Company, Cincinnati, Ohio. Burial-casket handle. No. 44,189; June 17; Gaz. vol. 191; p. 803.
- Blesch, Charles, Newport, Ky., assignor to The Crane & Breed Manufacturing Company, Cincinnati, Ohio. Plate for burial-caskets. No. 44,626; Sept. 9; Gaz. vol. 194; p. 524.
- Blesch, Charles, Newport, Ky., assignor to The Crane & Breed Manufacturing Company, Cincinnati, Ohio. Burial-casket handle. No. 44,701; Sept. 30; Gaz. vol. 194; p. 1122.
- Blickman, Sophia, New York, N. Y. Sterilizer. No. 43,689; Mar. 11; Gaz. vol. 188; p. 489.
- Blowers, William R., Toronto, Ontario, Canada. Tire. No. 44,164; June 10; Gaz. vol. 191; p. 563.
- Bockelman, Frederick, New York, N. Y. Shower-bath body. No. 43,664; Mar. 4; Gaz. vol. 188; p. 219.
- Bogert, Virgil, New York, N. Y. Box. No. 44,432; Aug. 5; Gaz. vol. 193; p. 200.
- Bolen, Emerson A., assignor to North Western Novelty Company, Morris, Ill. Casing for vending-machines. No. 43,690; Mar. 11; Gaz. vol. 188; p. 489.
- Bond, Frank A., Pittsburgh, Pa., assignor to Standard Chain Company, York, Pa. Swivel for trace and harness chains. No. 43,691; Mar. 11; Gaz. vol. 188; p. 490.
- Boote, Edward, East Orange, N. J. Plate or similar article. No. 44,232; June 24; Gaz. vol. 191; p. 1044.
- Boote, Edward and J. B., East Orange, N. J. Plate, dish, or similar article. No. 43,516; Feb. 11; Gaz. vol. 187; p. 482.
- Boote, James B. (See Boote, Edward and J. B.)
- Booth, James S., Detroit, Mich. Radiator. No. 44,233; June 24; Gaz. vol. 191; p. 1044.
- Booth, Kraft, Philadelphia, Pa., assignor to Gillinder & Sons, Inc. Glass shade for lights. Nos. 44,720-2; Oct. 14; Gaz. vol. 195; pp. 518-19.
- Booth, Kraft, Philadelphia, Pa., assignor to Gillinder & Sons, Inc. Glass dome for ceiling-lights. No. 45,041; Dec. 16; Gaz. vol. 197; p. 758.
- Booth, Kraft, Philadelphia, Pa., assignor to Gillinder & Sons, Inc. Lamp-shade. No. 45,054; Dec. 23; Gaz. vol. 197; p. 973.
- Bottoms, Edgar M., assignor to Fostoria Glass Company, Moundsville, W. Va. Glass vessel. Nos. 44,351-6; July 22; Gaz. vol. 192; pp. 964-5.
- Bound, Silas L., Cravens, La. Dresser, chiffonnier, or similar article. No. 44,745; Oct. 21; Gaz. vol. 195; p. 792.
- Bowden, Martin L. and M. L., Jr., Brooklyn, N. Y. Ring or similar article. Nos. 44,513-16; Aug. 19; Gaz. vol. 193; p. 728.
- Bowdidge, Thomas H. (See Gentle, Cuthbert, assignor.)
- Bowes, William M., New York, N. Y. Member of a pair of shears. No. 43,712; Mar. 18; Gaz. vol. 188; p. 788.
- Boyce, Harrison H., Oyster Bay, N. Y. Casing for automobile radiator-indicators. No. 43,987; May 13; Gaz. vol. 190; p. 516.
- Boyce, Harrison H., Forest Hills, N. Y. Temperature-indicator. No. 44,627; Sept. 9; Gaz. vol. 194; p. 525.
- Boyce, Harrison H., Forest Hills, N. Y. Temperature-indicator. No. 45,042; Dec. 16; Gaz. vol. 197; p. 758.
- Boyd, Harry E., and J. H. Neal, Akron, Ohio. Tire. No. 44,050; May 20; Gaz. vol. 190; p. 765.

Alphabetical list of patentees of designs—Continued.

- Brander, Warner, Canton, S. D. Sewing-table. No. 44,051; May 20; Gaz. vol. 190; p. 765.
- Branning, Delbert J., Hawley, Pa. Glass vessel. Nos. 43,665-6; Mar. 4; Gaz. vol. 188; pp. 219-20.
- Brass Manufacturing Company. (See Guth, Edwin F., assignor.)
- Brede, Max L., Chicago, Ill. Drinking-goblet. No. 44,605; Sept. 2; Gaz. vol. 194; p. 255.
- Brennecke, Erich, Munich, Germany. Sheet-glass. No. 44,296; July 8; Gaz. vol. 192; p. 493.
- Bridges, Josiah S., assignor to Koolbite Toy Company, Chicago, Ill. Teething toy. No. 43,919; Apr. 29; Gaz. vol. 189; p. 1255.
- Brigman, Fred H., Pittsburgh, Pa. Button, fob, or similar article of jewelry. No. 43,838; Apr. 15; Gaz. vol. 189; p. 753.
- Brill, Aron, New York, N. Y. Badge or similar article. No. 45,084; Dec. 30; Gaz. vol. 197; p. 1270.
- Brockman, Harry T., Cleveland, Ohio. Grave-marker. No. 44,746; Oct. 21; Gaz. vol. 195; p. 792.
- Bromley & Sons, John. (See Petzold, Adolph, assignor.)
- Brown, Estill B., New York, N. Y. Lamp-shade. Nos. 44,702-3; Sept. 30; Gaz. vol. 194; p. 1123.
- Brown, George T., assignor of one-half to J. H. Dockman & Son, Baltimore, Md. Bottle. No. 43,814; Apr. 8; Gaz. vol. 189; p. 496.
- Brown, William F., New York, N. Y., assignor to Bigelow Carpet Company, Rug. Nos. 43,861-2; Apr. 22; Gaz. vol. 189; pp. 998-9.
- Brunhoff, Edward, Cincinnati, Ohio. Change-tray. No. 43,517; Feb. 11; Gaz. vol. 187; p. 482.
- Brunhoff, Edward, Cincinnati, Ohio. Change-tray. No. 44,466; Aug. 12; Gaz. vol. 193; p. 479.
- Brunhoff, Edward, Cincinnati, Ohio. Change-tray. No. 44,657; Sept. 16; Gaz. vol. 194; p. 731.
- Brunhoff, Edward, Cincinnati, Ohio. Change-tray. No. 44,836; Nov. 4; Gaz. vol. 196; p. 254.
- Bryant Electric Company, The. (See Goodridge, Gilbert W., assignor.)
- Bryant, Henry E., Jacksonville, Fla. Bookcase. No. 43,588; Feb. 25; Gaz. vol. 187; p. 1081.
- Bryant, Henry E., Jacksonville, Fla. Toy. No. 43,589; Feb. 25; Gaz. vol. 187; p. 1081.
- Bryant, Henry E., Jacksonville, Fla. Sewing-machine table and stand. No. 44,081; May 27; Gaz. vol. 190; p. 1001.
- Buchnau, William M., Columbia, Tenn. Andiron. No. 43,863; Apr. 22; Gaz. vol. 189; p. 999.
- Buckland, Edward S., Endicott, N. Y. Clock. No. 43,733; Mar. 25; Gaz. vol. 188; p. 1030.
- Buckle, John V., Salt Lake City, Utah. Badge or similar article. No. 44,913; Nov. 25; Gaz. vol. 196; p. 1023.
- Buckley, Harry H., Chicago, Ill., assignor to H. C. Fry Glass Company, Rochester, Pa. Cut-glass dish or similar article. No. 44,914; Nov. 25; Gaz. vol. 196; p. 1024.
- Bullock, Edward T., Ridley Park, Pa., assignor of one-third to E. W. Twaddell, Devon, Pa. Hedge-trimmer frame. No. 43,518; Feb. 11; Gaz. vol. 187; p. 483.
- Bullock, James M., Philadelphia, Pa. Sample-package. No. 43,795; Apr. 1; Gaz. vol. 189; p. 227.
- Burke, Wilbur B., Cleveland, Ohio. Cap for tire-valves. No. 44,082; May 27; Gaz. vol. 190; p. 1001.
- Burkholder, John H., Ashland, Ohio. Lifting-jack stand. No. 44,837; Nov. 4; Gaz. vol. 196; p. 255.
- Burns, Peter C., Chicago, Ill. Horn. No. 43,416; Jan. 7; Gaz. vol. 186; p. 268.
- Burns, Peter C., Chicago, Ill. Horn. No. 43,590; Feb. 25; Gaz. vol. 187; p. 1081.
- Burton, Oliver M., Chicago, Ill. Mattress. No. 43,449; Jan. 14; Gaz. vol. 186; p. 537.
- Buser, Johann J., Pittsburgh, Pa. Shoe or protecting-tip for furniture-legs. No. 44,952; Dec. 2; Gaz. vol. 197; p. 214.
- Buser, Johann J., Pittsburgh, Pa. Shoe or protecting-tip for furniture-legs. No. 44,996; Dec. 9; Gaz. vol. 197; p. 503.
- Bye, Edwin A., assignor to L. A. Disbrow Churn Company, Owatonna, Minn. Churn-frame. No. 44,628; Sept. 9; Gaz. vol. 194; p. 525.
- C. M. Hall Lamp Company. (See Anklam, William F., assignor.)
- Calvert, Frank W., Narberth, assignor to The Charles E. Hires Company, Philadelphia, Pa. Liquid-dispensing fountain. No. 44,555; Aug. 26; Gaz. vol. 193; p. 985.
- Camp Fire Girls. (See Lanier, May F., assignor.)
- Campbell, Frederick W., Belfast, Ireland. Table-cloth or serviette. No. 44,357; July 22; Gaz. vol. 192; p. 965.
- Campbell, William G., Philadelphia, Pa. Outlet-fitting for pipe-conduits for electrical conductors. No. 43,713; Mar. 18; Gaz. vol. 188; p. 788.
- Cantin, Alexander A., New York, N. Y. Openwork cornice. No. 43,839; Apr. 15; Gaz. vol. 189; p. 753.
- Cantin, Alexander A., New York, N. Y. Capital and arch. No. 44,083; May 27; Gaz. vol. 190; p. 1001.
- Cantin, Alexander A., New York, N. Y. Capital and architrave. No. 44,084; May 27; Gaz. vol. 190; p. 1001.
- Cantone, Louis, *et al.* (See Faissole, Charles A., assignor.)
- Carlisle, Fred B., Malden, Mass. Tire. Nos. 43,453-4; Jan. 21; Gaz. vol. 186; pp. 774-5.
- Carlson, Carl M. (See Disbrow and Carlson.)
- Carlson, Frank E., Chicago, Ill. Flower-stand. No. 44,915; Nov. 25; Gaz. vol. 196; p. 1024.
- Carney, Emma L., Camden, N. J., assignor to Strawbridge & Clothier, Philadelphia, Pa. Bath-rug. No. 44,398; July 29; Gaz. vol. 192; p. 1238.
- Carr, Ole F., Meadow, Nebr. Signal-lamp. No. 44,332; July 15; Gaz. vol. 192; p. 718.
- Carroll, Charles E., Newport, Ark. Tooth-brush. No. 44,997; Dec. 9; Gaz. vol. 197; p. 503.
- Carruthers, George L., Pine Bluff, Ark. Desk. No. 44,676; Sept. 23; Gaz. vol. 194; p. 929.
- Carswell, Robert E., assignor to Dispatch Motor Car Company, Minneapolis, Minn. Motor-casing for automobiles. No. 44,234; June 24; Gaz. vol. 191; p. 1045.
- Carter, George B., and W. L. Bertram, Detroit, Mich., assignors to Great Western Stove Company, Leavenworth, Kans. Stove. No. 43,563; Feb. 18; Gaz. vol. 187; p. 801.
- Carter, William H., Needham Heights, Mass. Knitted sachet-bag with ornamental border. No. 43,417; Jan. 7; Gaz. vol. 186; p. 269.
- Casaretto, Robert, Crefeld, Germany, assignor to Theo. Tiedemann & Sons, New York, N. Y. Textile fabric. Nos. 43,714-16; Mar. 18; Gaz. vol. 188; p. 788.
- Casella, Secondo L., New York, N. Y. Casing for pneumatic cleaning devices. No. 43,717; Mar. 18; Gaz. vol. 188; p. 789.
- Cassard, Elizabeth H. (See Thayer and Cassard.)
- Cate, Eleazar, Belmont, assignor to L. E. Knott Apparatus Company, Boston, Mass. Base for physical-laboratory apparatus. Nos. 44,333-4; July 15; Gaz. vol. 192; pp. 718-19.
- Chadwick, John H., Glenside, assignor to Schofield, Mason & Co., Philadelphia, Pa. Rug. No. 43,756; Apr. 1; Gaz. vol. 189; p. 219.
- Chadwick, Lee S., Cleveland, Ohio. Refrigerator. No. 44,467; Aug. 12; Gaz. vol. 193; p. 479.
- Chalmers Motor Company. (See Dunham, George W., assignor.)
- Chapman, Frank H., and O. E. Kenney, assignors to The Yost Electric Manufacturing Company, Toledo, Ohio. Attachment-plug for electric circuits. No. 44,704; Sept. 30; Gaz. vol. 194; p. 1123.
- Chapman, Mary E., Springfield, Mass. Picture. No. 43,667; Mar. 4; Gaz. vol. 188; p. 220.
- Charles E. Hires Company, The. (See Calvert, Frank W., assignor.)
- Chase, Ernest D., Boston, Mass. Christmas card. No. 43,757; Apr. 1; Gaz. vol. 189; p. 219.
- Chatillon, George E., New York, N. Y. Basket. No. 44,123; June 3; Gaz. vol. 191; p. 267.
- Chatillon, Ralph F., Greenburg, N. Y. Scale-beam. No. 44,517; Aug. 19; Gaz. vol. 193; p. 728.
- Cheney Brothers. (See Doughty, Emma W., assignor.)
- Cheney Brothers. (See George, Gustave, assignor.)
- Cheney Brothers. (See Maisch-Bitschenauer, H., assignor.)
- Cheney Brothers. (See Mouton, Paul, assignor.)
- Cheney Brothers. (See Ruepp, Robert, assignor.)
- Cheney Brothers. (See Sins, Emile, assignor.)
- Cheron, Pierre J., Mount Tabor, N. J., assignor to Towle Manufacturing Company, Newburyport, Mass. Handle for spoons or analogous articles. No. 44,916; Nov. 25; Gaz. vol. 196; p. 1024.
- Chester, Bessie M., Longbeach, Cal. Woven palm-leaf basket. No. 44,747; Oct. 21; Gaz. vol. 195; p. 792.
- Chouffet, Charles F., New York, N. Y., assignor to Wm. L. Gilbert Clock Company, Winsted, Conn. Clock. No. 44,399; July 29; Gaz. vol. 192; p. 1238.
- Christy, James, Akron, Ohio. Wheel-tire. No. 43,495; Feb. 4; Gaz. vol. 187; p. 210.
- Christy, James, Akron, Ohio. Automobile-tire. No. 44,235; June 24; Gaz. vol. 191; p. 1045.
- Church, Edmund T., New Rochelle, N. Y. Knitted or crocheted tie. No. 43,519; Feb. 11; Gaz. vol. 187; p. 483.
- Clark, Charles R., Plainville, Conn. Wind-shield. Nos. 44,190-2; June 17; Gaz. vol. 191; pp. 803-4.
- Clark, Melville A., Syracuse, N. Y. Sounding-board for harps. No. 43,734; Mar. 25; Gaz. vol. 188; p. 1031.
- Clarke, Ira M., Pittsburgh, assignor to John B. Higbee Glass Company, Bridgeville, Pa. Pressed-glass vessel. No. 44,629; Sept. 9; Gaz. vol. 194; p. 525.
- Clarke, William E., Oakland, Cal. Fraternity-emblem. Nos. 44,052-3; May 20; Gaz. vol. 190; p. 765.
- Cleaver, Montague H., and W. R. Corbin, Kingston, N. Y., assignors to Never Skid Manufacturing Company, Incorporated. Antiskid device for dual-tired motor-trucks. No. 43,455; Jan. 21; Gaz. vol. 186; p. 775.
- Clement, Fredrick W., Worcester, Mass., assignor to Frank Holton & Co., Chicago, Ill. Cornet. No. 43,815; Apr. 8; Gaz. vol. 189; p. 496.
- Clements, Charles, Boston, Mass. Envelop, writing-paper, card, or similar article of stationery. No. 44,124; June 3; Gaz. vol. 191; p. 267.
- Clements, George, assignor to Clements Manufacturing Company, Chicago, Ill. Clip. No. 44,433; Aug. 5; Gaz. vol. 193; p. 200.
- Clements Manufacturing Company. (See Clements, George, assignor.)

Alphabetical list of patentees of designs—Continued.

- Cochran, Andrew, Trenton, N. J. Water-closet bowl. Nos. 44,165-7; June 10; Gaz. vol. 191; p. 564.
- Cochran, Andrew, Trenton, N. J. Water-closet bowl. Nos. 44,518-19; Aug. 19; Gaz. vol. 193; pp. 728-9.
- Cochran, Andrew, Trenton, N. J. Water-closet bowl. Nos. 45,055-6; Dec. 23; Gaz. vol. 197; p. 974.
- Cochran, Andrew, Trenton, N. J. Flush-tank. No. 45,085; Dec. 30; Gaz. vol. 197; p. 1271.
- Codman, William C., assignor to Gorham Manufacturing Company, Providence, R. I. Handle for spoons, forks, or similar articles. Nos. 43,564-5; Feb. 18; Gaz. vol. 187; p. 801.
- Codman, William C., assignor to Gorham Manufacturing Company, Providence, R. I. Handle for spoons, forks, or similar articles. No. 43,988; May 13; Gaz. vol. 190; p. 516.
- Codman, William C., assignor to Gorham Manufacturing Company, Providence, R. I. Handle for spoons, forks, or similar articles. Nos. 44,193-4; June 17; Gaz. vol. 191; p. 804.
- Codman, William C., assignor to Gorham Manufacturing Company, Providence, R. I. Handle for spoons, forks, or similar articles. Nos. 44,358-9; July 22; Gaz. vol. 192; p. 965.
- Coffin, Charles W., assignor to The E. T. Burrowes Company, Portland, Me. Table. No. 44,297; July 8; Gaz. vol. 192; p. 493.
- Cohn, Joseph J., New York, N. Y. Automobile-horn. Nos. 43,735-7; Mar. 25; Gaz. vol. 188; p. 1031.
- Colburn, Serenus M., assignor of one-half to F. Kees, Minneapolis, Minn. Street-light standard. Nos. 43,796-7; Apr. 1; Gaz. vol. 189; p. 227.
- Colburn, Serenus M., assignor of one-half to F. Kees, Minneapolis, Minn. Street-light standard. Nos. 44,054-7; May 20; Gaz. vol. 190; p. 766.
- Congdon, Herbert W., assignor to The Delta Upsilon Fraternity, New York, N. Y. Male die for seals. No. 44,085; May 27; Gaz. vol. 190; p. 1002.
- Conger, Charles A., Oakland, Cal. Condiment-shaker. No. 43,668; Mar. 4; Gaz. vol. 188; p. 220.
- Connolly, John, Detroit, Mich. Rubber vehicle-tire. No. 44,298; July 8; Gaz. vol. 192; p. 493.
- Conrad, William A., Chicago, Ill. Shaving-outfit holder. No. 44,468; Aug. 12; Gaz. vol. 193; p. 479.
- Consolidated Rubber Tire Company. (See Holcomb, Frank E., assignor.)
- Cooke, Adrian C., assignor to Illinois Metallic Novelty Company, Chicago, Ill. Toy-vehicle body. No. 44,299; July 8; Gaz. vol. 192; p. 494.
- Cooper, Francis, Hornsey, London, England. Clinical thermometer. No. 44,300; July 8; Gaz. vol. 192; p. 494.
- Copeland, Adolph, Chicago, Ill. Show-stand. No. 43,816; Apr. 8; Gaz. vol. 189; p. 496.
- Corbin, Wilbur R. (See Cleaver and Corbin.)
- Cornish, Harry S., New York, N. Y. Receptacle for liquid-dispensing apparatus. No. 43,591; Feb. 25; Gaz. vol. 187; p. 1081.
- Cornish, Harry S., New York, N. Y. Draft-arm for liquid-dispensing apparatus. No. 43,669; Mar. 4; Gaz. vol. 188; p. 220.
- Corona Cut Glass Company, The. (See Heinzelman, Samuel, assignor.)
- Correll, Charles A., Vinton, Iowa. Display-rack. No. 44,400; July 29; Gaz. vol. 192; p. 1238.
- Cotton, Charles, Indiana, Pa. Confectionery-container. No. 44,360; July 22; Gaz. vol. 192; p. 965.
- Crane & Breed Manufacturing Company, The. (See Blesch, Charles, assignor.)
- Crane & Theurer. (See Tobiasson, Tobias, assignor.)
- Cravath, James R., assignor to National X-Ray Reflector Company, Chicago, Ill. Reflector. No. 43,840; Apr. 15; Gaz. vol. 189; p. 753.
- Cravath, James R., assignor to National X-Ray Reflector Company, Chicago, Ill. Reflector. No. 44,086; May 27; Gaz. vol. 190; p. 1002.
- Crescent Machine Company, The. (See Harrold, Elmer, assignor.)
- Crisafi, Michael, New Haven, Conn. Stand. No. 44,705; Sept. 30; Gaz. vol. 194; p. 1123.
- Cronk, Charles J. (See Schroff and Cronk.)
- Crosby, Nathan M., New York, N. Y., assignor to The Webster Piano Company, Brooklyn, N. Y. Case for pianos and player-pianos. Nos. 43,841-2; Apr. 15; Gaz. vol. 189; pp. 753-4.
- Crouch, Albert W., assignor to Milwaukee Yacht & Boat Company, Milwaukee, Wis. Boat. No. 44,998; Dec. 9; Gaz. vol. 197; p. 503.
- Crowell, Gilbert L., Jr., Arlington, N. J., assignor to Dominick & Hafl, New York, N. Y. Spoon, fork, or similar article. No. 44,520; Aug. 19; Gaz. vol. 193; p. 729.
- Crown Throat & Opener Company. (See Vaughan, Harry L., assignor.)
- Cunniff, Edward A. (See Cunniff, John V. and E. A.)
- Cunniff, John V. and E. A., Fall River, Mass. Chatelaine-bag. No. 43,670; Mar. 4; Gaz. vol. 188; p. 220.
- Cunningham, Alexander Y., assignor to The D. F. Briggs Company, Attleboro, Mass. Bracelet. No. 44,556; Aug. 26; Gaz. vol. 193; p. 986.
- Curley, John H., Brockton, Mass. Hoof-pad. No. 43,738; Mar. 25; Gaz. vol. 188; p. 1031.
- Curtis, Augustus D., Chicago, Ill., assignor to National X-Ray Reflector Company. Reflector-holder bowl for lighting-fixtures. No. 43,864; Apr. 22; Gaz. vol. 189; p. 999.
- Curtis, George E., New Britain, Conn., assignor to Landers, Frary & Clark, New Britain, Conn. Tea or coffee pot. Nos. 43,520-3; Feb. 11; Gaz. vol. 187; p. 483.
- Curtis, Melville G., Bala, Pa. Textile fabric. No. 43,496; Feb. 4; Gaz. vol. 187; p. 210.
- Curtis, Melville G., Bala, Pa. Textile fabric. No. 44,434; Aug. 5; Gaz. vol. 193; p. 200.
- Curtis Publishing Company, The. (See Guild, Frank S., assignor.)
- Curtiss, George E., New Britain, Conn. Glass-holder. No. 44,301; July 8; Gaz. vol. 192; p. 494.
- Curtiss, George E., New Britain, Conn. Tea or coffee pot. Nos. 44,521-2; Aug. 19; Gaz. vol. 193; p. 729.
- Curtiss, George E., assignor to Landers, Frary & Clark, New Britain, Conn. Sad-iron. No. 43,592; Feb. 25; Gaz. vol. 187; p. 1081.
- Curtiss, George E., assignor to Landers, Frary & Clark, New Britain, Conn. Tea or coffee pot. No. 43,671; Mar. 4; Gaz. vol. 188; p. 220.
- Curwen, William P., and A. M. Potter, Plano, Ill. Electric sign. No. 44,658; Sept. 16; Gaz. vol. 194; p. 731.
- D. C. Jenkins Glass Company. (See Jenkins, David C., assignor.)
- D. F. Briggs Company. (See Cunningham, Alexander Y., assignor.)
- D. S. P. Automobile Specialty Company. (See Sendall, Charles F., assignor.)
- D'Olier, Henry, Jr., Philadelphia, Pa., assignor, by mesne assignments, to General Electric Company. Shade or reflector holder. No. 43,989; May 13; Gaz. vol. 190; p. 517.
- Dahan, Anton. (See Adamian and Dahan.)
- Dake, Charles W., assignor to Pyle-National Electric Headlight Company, Chicago, Ill. Headlight. No. 44,469; Aug. 12; Gaz. vol. 193; p. 479.
- Dando, Joseph C., Philadelphia, Pa., assignor to The Dando Printing and Publishing Company. Filing-cabinet. No. 44,748; Oct. 21; Gaz. vol. 195; p. 792.
- Dando Printing and Publishing Company, The. (See Dando, Joseph C., assignor.)
- Daniel, Charles A., Philadelphia, Pa. Automobile-tire. No. 44,087; May 27; Gaz. vol. 190; p. 1002.
- David E. Kennedy, Incorporated. (See Parkinson, Edwin, assignor.)
- Daving, Matthew, Pittsburgh, Pa. Lamp-standard. No. 44,749; Oct. 21; Gaz. vol. 195; p. 793.
- Daving, Matthew, assignor to Pittsburgh Lamp, Brass & Glass Company, Pittsburgh, Pa. Clock-case. No. 44,917; Nov. 25; Gaz. vol. 196; p. 1024.
- Davis, Cornelius S., assignor to Domestic Appliances Company, Rochester, N. Y. Vacuum-cleaner casing. No. 44,677; Sept. 23; Gaz. vol. 194; p. 929.
- Davis, Fred J., Northfield, Vt. Monument. No. 44,362; July 22; Gaz. vol. 192; p. 966.
- Davis, Will F. P., Mattapan, Mass., assignor of one-fourth to G. McIntosh, Newark, N. J., one-fourth to W. F. Stewart, and one-fourth to P. Hunt, Brookline, Mass. Sound-amplifier for phonographs. No. 44,361; July 22; Gaz. vol. 192; p. 966.
- Dawley, Herbert M., assignor to The Pierce-Arrow Motor Car Company, Buffalo, N. Y. Headlight. No. 44,606; Sept. 2; Gaz. vol. 194; p. 255.
- Day, David L., Revere, Mass., assignor to The Vega Company, Boston, Mass. Mandolin-body. No. 44,838; Nov. 4; Gaz. vol. 196; p. 255.
- De Vignier, Robert M., Hollis Terrace, assignor to Western Electric Company, New York, N. Y. Drop-shutter. No. 43,524; Feb. 11; Gaz. vol. 187; p. 484.
- De Vibbiss Manufacturing Company, The. (See Hansen, Niels M., assignor.)
- De Yoos, Charles, New York, N. Y. Combined stand and rack. No. 44,236; June 24; Gaz. vol. 191; p. 1045.
- De Yoos, Charles, New York, N. Y. Savings-bank and stand. No. 44,625; Sept. 2; Gaz. vol. 194; p. 259.
- Dean Electric Company, The. (See Manson, Ray H., assignor.)
- Dear, William Y., assignor to The Jersey City Printing Company, Jersey City, N. J. Desk-pad holder. No. 43,497; Feb. 4; Gaz. vol. 187; p. 210.
- Delta Upsilon Fraternity, The. (See Congdon, Herbert W., assignor.)
- Deming Company, The. (See Garber, Jesse B., assignor.)
- Dennis, Oliver C., assignor to Venn Manufacturing Co., Chicago, Ill. Cigar and ash receiver. No. 44,918; Nov. 25; Gaz. vol. 196; p. 1024.
- Detroit Body Company. (See Millington, Theodore H., assignor.)
- Dewsbury, William O., assignor to The Hartford Carpet Corporation, Thompsonville, Conn. Carpet or rug. No. 43,758; Apr. 1; Gaz. vol. 189; p. 220.
- Dieges, Charles J., New York, N. Y. Badge. No. 44,363; July 22; Gaz. vol. 192; p. 966.
- Dieges, Charles J., New York, N. Y. Badge. No. 44,630; Sept. 9; Gaz. vol. 194; p. 525.
- Director, Philip, Brooklyn, N. Y. Button. Nos. 44,302-3; July 8; Gaz. vol. 192; p. 494.

Alphabetical list of patentees of designs—Continued.

- Disbrow Churn Company, L. A. (See Bye, Edwin A., assignor.)
- Disbrow, Reuben B., and C. M. Carlson, Owatonna, Minn.; said Carlson assignor to said Disbrow. Churn-frame. No. 44,750; Oct. 21; Gaz. vol. 195; p. 793.
- Discher, Grant F., assignor to Garage Equipment Manufacturing Company, Milwaukee, Wis. Automobile tire-support. No. 44,751; Oct. 21; Gaz. vol. 195; p. 793.
- Dispatch Motor Car Company. (See Carswell, Robert E., assignor.)
- Dix, Arthur A., Kansas City, Mo. Badge. No. 44,659; Sept. 16; Gaz. vol. 194; p. 732.
- Dixon, Joseph E., San Francisco, Cal. Medal. No. 43,498; Feb. 4; Gaz. vol. 187; p. 211.
- Dobbins, Edward J., Westminster, London, England. Plate-glass. No. 44,435; Aug. 5; Gaz. vol. 193; p. 201.
- Dockman & Son, John H. (See Brown, George T., assignor.)
- Dodge, Howard A., Los Angeles, Cal. Cash-register casing. No. 44,470; Aug. 12; Gaz. vol. 193; p. 479.
- Domestic Appliances Company. (See Davis, Cornelius, assignor.)
- Dominick & Haff. (See Crowell, Gilbert L., Jr., assignor.)
- Donnell, Elmer, Webster Groves, Mo. Paper-weight or statuette. No. 44,953; Dec. 2; Gaz. vol. 197; p. 214.
- Dormey, Peter, Cincinnati, Ohio. Badge or emblem. No. 44,364; July 22; Gaz. vol. 192; p. 966.
- Dornbusch, Josef, Crefeld, Germany, assignor to T. Tiedemann & Sons, New York, N. Y. Textile fabric. Nos. 44,335-6; July 15; Gaz. vol. 192; p. 719.
- Doughty, Emma W., Cresskill, N. J., assignor to Cheney Brothers, South Manchester, Conn. Textile fabric. Nos. 44,266-7; July 1; Gaz. vol. 192; p. 196.
- Douglas, Harry A. (See Hamm and Douglas.)
- Douglas, William H., Belleville, N. J., assignor to Healey & Co., New York, N. Y. Vehicle-body. No. 43,672; Mar. 4; Gaz. vol. 188; p. 221.
- Douglas, William H., Belleville, N. J., assignor to Healey & Co., New York, N. Y. Wind-shield. No. 43,798; Apr. 1; Gaz. vol. 189; p. 227.
- Dover Stamping and Manufacturing Company. (See Whitney, Horace E., assignor.)
- Doyle, James C., Portland, Oreg. Autotruck-body. No. 44,088; May 27; Gaz. vol. 190; p. 1002.
- Dralle, Georg, Hamburg, Germany. Perfumery-bottle. No. 44,365; July 22; Gaz. vol. 192; p. 966.
- Draper Company. (See Rhoades, Alonzo E., assignor.)
- Drayton, Grace G., New York, N. Y. Bunny-doll. No. 44,885; Nov. 18; Gaz. vol. 196; p. 784.
- Drayton, Grace G., New York, N. Y. Statuette. No. 45,086; Dec. 30; Gaz. vol. 197; p. 1271.
- Drew, Arthur W., Rinslip, England, assignor to Armstrong Cork Company, Pittsburgh, Pa. Linoleum, oil-cloth, or floor-covering. No. 43,990; May 13; Gaz. vol. 190; p. 517.
- Duckwall, Edward L. (See Wirts and Duckwall.)
- Duff Manufacturing Company, The. (See Hindman, Isaiah E., assignor.)
- Dugan Glass Company. (See Rowland, Edward J., assignor.)
- Duncan, William W., Watertown, Mass., assignor to Hood Rubber Company. Vehicle-tire. No. 44,723; Oct. 14; Gaz. vol. 195; p. 519.
- Dunham, George W., assignor to Chalmers Motor Company, Detroit, Mich. Automobile-body. No. 43,731; Mar. 18; Gaz. vol. 188; p. 791.
- Dunn, Daniel. (See Mohr, William C., assignor.)
- Dunn, Henry F., Anderson, Ind. Advertising change-tray. No. 43,525; Feb. 11; Gaz. vol. 187; p. 484.
- Durand, Edward F., Columbus, Ohio, assignor to The Supreme Lodge, Knights of Pythias. Emblematic collar ornament. No. 44,089; May 27; Gaz. vol. 190; p. 1002.
- Durand, Edward F., Columbus, Ohio, assignor to The Supreme Lodge, Knights of Pythias. Helmet-shield. No. 44,090; May 27; Gaz. vol. 190; p. 1002.
- Durand, Edward F., Columbus, Ohio, assignor to The Supreme Lodge, Knights of Pythias. Cap-front ornament. No. 44,091; May 27; Gaz. vol. 190; p. 1003.
- E. T. Burrowes Company, The. (See Coffin, Charles W., assignor.)
- Eagle Glass & Manufacturing Company. (See Paul and Fusner, assignors.)
- Earl & Wilson. (See Leck, Arthur J., assignor.)
- Earle, Harry C., assignor to Walworth Manufacturing Company, Boston, Mass. Wrench-bar. No. 44,125; June 3; Gaz. vol. 191; p. 267.
- Ebeling, Phillip, assignor to Fostoria Glass Company, Moundsville, W. Va. Condiment-holder. No. 43,759; Apr. 1; Gaz. vol. 189; p. 220.
- Ebeling, Phillip, assignor to Fostoria Glass Company, Moundsville, W. Va. Glass vessel. No. 43,799; Apr. 1; Gaz. vol. 189; p. 228.
- Ebeling, Phillip, assignor to Fostoria Glass Company, Moundsville, W. Va. Glass dish. No. 43,800; Apr. 1; Gaz. vol. 189; p. 228.
- Ebeling, Phillip, assignor to Fostoria Glass Company, Moundsville, W. Va. Drinking vessel or similar article. Nos. 44,337-9; July 15; Gaz. vol. 192; pp. 719-20.
- Eckerson, Homer, Mechanicsville, N. Y. Chair. No. 44,752; Oct. 21; Gaz. vol. 195; p. 793.
- Ecklyn, Charles N., Racine, Wis. Casing and stand for liquid-agitators. No. 43,991; May 13; Gaz. vol. 190; p. 517.
- Edgar, Edwin E., assignor to The Hobart Electric Manufacturing Company, Troy, Ohio. Hopper for coffee-mills and the like. No. 43,865; Apr. 22; Gaz. vol. 189; p. 999.
- Edison, Thomas A. (See Holland, Newman H., assignor.)
- Edison, Thomas A. (See Rubino, Joseph, assignor.)
- Edward Miller & Company. (See Schoenhardt, Frederick P., assignor.)
- Edwards, Alonzo L., assignor to Wheeling Stamping Company, Wheeling, W. Va. Lantern. No. 44,523; Aug. 19; Gaz. vol. 193; p. 730.
- Eichhorn, Jacob C., assignor to The Victor Jar Co., Detroit, Mich. Jar or receptacle. No. 43,566; Feb. 18; Gaz. vol. 187; p. 802.
- Eick, Otto, St. Louis, Mo. Rubber brush. Nos. 44,436-7; Aug. 5; Gaz. vol. 193; p. 201.
- Eick, William B., assignor to Genesee Cut Glass Company, Rochester, N. Y. Cut-glass article. No. 45,087; Dec. 30; Gaz. vol. 197; p. 1271.
- Einstein, Alfred C., St. Louis, Mo. Reflector. No. 44,092; May 27; Gaz. vol. 190; p. 1003.
- Eisenmann & Co. (See Terry, William J. B., assignor.)
- Eisenmann, Joseph, London, England. Toy dog. No. 43,866; Apr. 22; Gaz. vol. 189; p. 999.
- Eisenmann, Joseph, London, England. Doll-head. No. 43,867; Apr. 22; Gaz. vol. 189; p. 999.
- Eisenmann, Joseph, London, England. Doll. Nos. 43,868-70; Apr. 22; Gaz. vol. 189; p. 1000.
- Eisenmann, Joseph, London, England. Sailor-boy doll. No. 43,992; May 13; Gaz. vol. 190; p. 517.
- Electric Auto-Lite Company, The. (See Peters, John B., assignor.)
- Electric Carriage Call & Specialty Company. (See Norden, Mortimer, assignor.)
- Electro Dental Manufacturing Company. (See Schramm and Wilford, assignors.)
- Elliot, William A., Yonkers, N. Y., assignor to Bigelow Carpet Company. Rug. No. 43,456; Jan. 21; Gaz. vol. 186; p. 775.
- Elliot, William A., Yonkers, N. Y., assignor to Bigelow Carpet Company. Carpet. Nos. 43,760-1; Apr. 1; Gaz. vol. 189; p. 220.
- Elliot, William A., Yonkers, N. Y., assignor to Bigelow Carpet Company. Rug. No. 43,871; Apr. 22; Gaz. vol. 189; p. 1000.
- Elliot, William A., Yonkers, N. Y., assignor to Bigelow Carpet Company. Carpet. No. 43,872; Apr. 22; Gaz. vol. 189; p. 1000.
- Elliot, William A., Yonkers, N. Y., assignor to Bigelow Carpet Company. Carpet. Nos. 43,993-4; May 13; Gaz. vol. 190; pp. 517-18.
- Elliot, William A., Yonkers, N. Y., assignor to Bigelow Carpet Company. Rug. No. 43,995; May 13; Gaz. vol. 190; p. 518.
- Elliot, William A., Yonkers, N. Y., assignor to Bigelow Carpet Company. Carpet. Nos. 44,268-70; July 1; Gaz. vol. 192; p. 196.
- Elliot, William A., Yonkers, N. Y., assignor to Bigelow Carpet Company. Carpet. No. 44,678; Sept. 23; Gaz. vol. 194; p. 929.
- Elliot, William A., Yonkers, N. Y., assignor to Bigelow Carpet Company. Rug. No. 44,780; Oct. 28; Gaz. vol. 195; p. 1024.
- Elliot, William A., Yonkers, N. Y., assignor to Bigelow Carpet Company. Carpet. Nos. 44,781-2; Oct. 28; Gaz. vol. 195; p. 1025.
- Elliot, William A., Yonkers, N. Y., assignor to Bigelow Carpet Company. Rug. Nos. 44,886-7; Nov. 18; Gaz. vol. 196; p. 784.
- Elliot, William A., Yonkers, N. Y., assignor to Bigelow Carpet Company. Carpet. No. 44,888; Nov. 18; Gaz. vol. 196; p. 784.
- Elliot, William A., Yonkers, N. Y., assignor to Bigelow Carpet Company. Rug. No. 44,889; Nov. 18; Gaz. vol. 196; p. 784.
- Elliot, William A., Yonkers, N. Y., assignor to Bigelow Carpet Company. Carpet. Nos. 44,954-5; Dec. 2; Gaz. vol. 197; p. 214.
- Elliot, William A., Yonkers, N. Y., assignor to Bigelow Carpet Company. Carpet. Nos. 45,057-60; Dec. 23; Gaz. vol. 197; p. 974.
- Ellis, Claud A., assignor to The Faultless Iron Works, St. Charles, Ill. Metallic storage-cabinet. No. 44,093; May 27; Gaz. vol. 190; p. 1003.
- Elms & Sellon. (See Schroff and Cronk, assignors.)
- Elwell, Lewis M., Zanesville, Ohio. Monument. No. 43,662; Feb. 25; Gaz. vol. 187; p. 1093.
- Embury Manufacturing Company. (See Hill, James H., assignor.)
- Emil Grossman Company. (See Waldman, Samuel S., assignor.)
- Emrich, Philip, Cincinnati, Ohio. Dolly. No. 43,692; Mar. 11; Gaz. vol. 188; p. 490.
- English & Mersick Company, The. (See Wheeler, Gardner E., assignor.)

Alphabetical list of patentees of designs—Continued.

- Erskine, James L., Upper Montclair, N. J. Handle for shaving-brushes. No. 43,693; Mar. 11; Gaz. vol. 188; p. 490.
- Estep, Edwin R., assignor, by mesne assignments, to Packard Motor Car Company, Detroit, Mich. Panel for lamp-shades or casings. No. 43,694; Mar. 11; Gaz. vol. 188; p. 490.
- Estes, James H., Fairburn, Ga. Back-band hook. No. 1,43,739; Mar. 25; Gaz. vol. 188; p. 1031.
- Euler, Rudolph, East Orange, N. J., assignor to Fr. Beck & Co., New York, N. Y. Wall-covering. No. 44,195; June 17; Gaz. vol. 191; p. 804.
- Evans, Howard S., assignor to Macbeth-Evans Glass Company, Pittsburgh, Pa. Lamp-shade. No. 43,526; Feb. 11; Gaz. vol. 187; p. 484.
- Everhard, Cora H., Canton, Ohio. Skirt-gage. No. 43,527; Feb. 11; Gaz. vol. 187; p. 484.
- F. Bissell Company, The. (See Alexander, Louis A., assignor.)
- F. A. Whitney Carriage Co. (See Shaw, Frank J., assignor.)
- Fageol, Rollie B., New York, N. Y. Automobile-bumper. No. 43,740; Mar. 25; Gaz. vol. 188; p. 1032.
- Fahys, George E., Glen Cove, assignor to Joseph Fahys & Company, New York, N. Y. Handle for spoons, forks, or similar articles. No. 43,718; Mar. 18; Gaz. vol. 188; p. 789.
- Fahys, George E., Glen Cove, assignor to Joseph Fahys & Company, New York, N. Y. Back for mirrors, brushes, or similar articles. No. 43,954; May 6; Gaz. vol. 190; p. 237.
- Fairfield, Mabel C., Los Angeles, Cal. Badge. No. 44,919; Nov. 25; Gaz. vol. 196; p. 1025.
- Faissole, Charles A., assignor of one-third to J. N. Malnati and one-third to L. Cantone, New York, N. Y. Serving-table. No. 43,741; Mar. 25; Gaz. vol. 188; p. 1032.
- Farr, Edward A., assignor to Manning, Bowman & Company, Meriden, Conn. Tumbler-holder. No. 44,631; Sept. 9; Gaz. vol. 194; p. 525.
- Faultless Iron Works, The. (See Ellis, Claud A., assignor.)
- Fawcett, Willis G., Salem, Ohio. Umbrella-rack. No. 43,955; May 6; Gaz. vol. 190; p. 237.
- Federal Rubber Mfg. Co. (See Hutchens, Edward, assignor.)
- Feeley, James R., Providence, R. I. Locket. No. 44,401; July 29; Gaz. vol. 192; p. 1238.
- Feeley, James R., Providence, R. I. Locket. Nos. 44,524-5; Aug. 19; Gaz. vol. 193; p. 730.
- Feeney, William P., Valparaiso, assignor to Pitkin & Brooks, Chicago, Ill. Cut-glass dish or similar article. Nos. 44,753-4; Oct. 21; Gaz. vol. 195; pp. 793-4.
- Ferguson, Leonard L., Chicago, Ill. Casing for pneumatic cleaners. No. 43,528; Feb. 11; Gaz. vol. 187; p. 484.
- Férier, François E., Lyon, France. Textile fabric. Nos. 44,438-9; Aug. 5; Gaz. vol. 193; p. 201.
- Ferris, Howard J., assignor to Hunt, Helm, Ferris & Company, Harvard, Ill. Animal-pen. Nos. 43,457-8; Jan. 21; Gaz. vol. 186; p. 775.
- Ferry, John F. B., San Francisco, Cal. Badge, pin, or similar article. No. 44,402; July 29; Gaz. vol. 192; p. 1238.
- Finlay Dicks & Co. (See Guidry, Ambrose J., assignor.)
- Fischer, Joseph, assignor to Reinhold & Company, Belleville, N. J. Tablet or similar article. No. 43,593; Feb. 25; Gaz. vol. 187; p. 1082.
- Fisher, Charles E., assignor to The American Foundry & Manufacturing Company, Frederick, Md. Feed-trough. No. 44,440; Aug. 5; Gaz. vol. 193; p. 202.
- Flaude, Alfred J., Bridgeport, Conn. Picture-frame. No. 44,869; Nov. 11; Gaz. vol. 196; p. 506.
- Flaude, Alfred J., assignor to The Weidlich Brothers Manufacturing Co., Bridgeport, Conn. Clock-case. No. 44,557; Aug. 26; Gaz. vol. 193; p. 986.
- Flaude, Alfred J., assignor to The Weidlich Brothers Manufacturing Co., Bridgeport, Conn. Jewel-case. No. 44,558; Aug. 26; Gaz. vol. 193; p. 986.
- Flaude, Alfred J., assignor to The Weidlich Brothers Manufacturing Co., Bridgeport, Conn. Clock-case. Nos. 44,607-8; Sept. 2; Gaz. vol. 194; p. 256.
- Flaude, Alfred J., assignor to The Weidlich Brothers Manufacturing Co., Bridgeport, Conn. Jewel-case. Nos. 44,632-3; Sept. 9; Gaz. vol. 194; p. 526.
- Flaude, Alfred J., assignor to The Weidlich Brothers Manufacturing Co., Bridgeport, Conn. Jewel-case. No. 44,715; Oct. 7; Gaz. vol. 195; p. 260.
- Flaude, Alfred J., assignor to The Weidlich Brothers Manufacturing Co., Bridgeport, Conn. Jewel-case. No. 44,755; Oct. 21; Gaz. vol. 195; p. 794.
- Fleischmann, Jacob A., Philadelphia, Pa. Spiral hair-pin. No. 44,635; Sept. 9; Gaz. vol. 194; p. 526.
- Fletcher, Clifford C., Harrisburg, Pa. Tag. Nos. 43,956-7; May 6; Gaz. vol. 190; pp. 237-8.
- Folsom, James L., Springfield, Mass., assignor to The Hartford Carpet Corporation, Thompsonville, Conn. Carpet or rug. No. 43,920; Apr. 29; Gaz. vol. 189; p. 1255.
- Foote, John H., Dayton, Ohio. Penholder-rack. No. 43,873; Apr. 22; Gaz. vol. 189; p. 1001.
- Force, William A., New York, N. Y. Rubber cushion. No. 43,499; Feb. 4; Gaz. vol. 187; p. 211.
- Forestier, Gustave, New York, N. Y., assignor to Pacific Mills, Boston, Mass. Textile fabric or wall-paper. Nos. 43,594-5; Feb. 25; Gaz. vol. 187; p. 1082.
- Forsheim & Königsberg. (See Sullivan, Paul D., assignor.)
- Foster, John R., Arlington, Mass. Frame for pictures, mirrors, and similar articles. Nos. 43,921-2; Apr. 29; Gaz. vol. 189; pp. 1255-6.
- Foster, John R., Arlington, Mass. Box or similar article. No. 44,058; May 20; Gaz. vol. 190; p. 766.
- Foster, John R., Arlington, Mass. Stand for displaying pictures or other articles. No. 45,000; Dec. 9; Gaz. vol. 197; p. 504.
- Foster, Mortimer C., assignor to Goldsmith, Stern & Co., New York, N. Y. Lorgnette. Nos. 44,756-9; Oct. 21; Gaz. vol. 195; pp. 794-5.
- Foster, Ralph H., Jersey City, N. J. Bottle-opener and button-hook. No. 44,839; Nov. 4; Gaz. vol. 196; p. 255.
- Foster, Winfred C., New York, N. Y., assignor to Pacific Mills, Boston, Mass. Textile fabric or wall-paper. Nos. 43,596-608; Feb. 25; Gaz. vol. 187; pp. 1082-4.
- Fostoria Glass Company. (See Bottome, Edgar M., assignor.)
- Fostoria Glass Company. (See Ebeling, Phillip, assignor.)
- Fostoria Glass Company. (See Greenan, Frank D., assignor.)
- Fostoria Glass Company. (See Owen, William T., assignor.)
- Fr. Beck & Co. (See Euler, Rudolph, assignor.)
- Frank, Harold, assignor to Frank and Lambert, Inc., New York, N. Y. Textile fabric. No. 43,996; May 13; Gaz. vol. 190; p. 518.
- Frank Holton & Co. (See Clement, Fredrick W., assignor.)
- Frank and Lambert. (See Frank, Harold, assignor.)
- Frank and Lambert. (See Lambert, Julius J., assignor.)
- Frank and Lambert. (See Loomis, Harry T., assignor.)
- Frank Tilk Ornamental Iron Works Co. (See Wight, Thomas, assignor.)
- Franklin Knitting Mills. (See Kellner and Worms, assignor.)
- Franklin Silver Plate Company. (See Grabach, John R., assignor.)
- Frankston, Samuel, Los Angeles, Cal. Vestette. No. 45,088; Dec. 30; Gaz. vol. 197; p. 1271.
- Frasard, Charles H., Detroit, Mich. Watch-holder. No. 44,094; May 27; Gaz. vol. 190; p. 1003.
- Fraser, John A., assignor to Baker-Vawter Company, Benton Harbor, Mich. Desk-tray. No. 44,999; Dec. 9; Gaz. vol. 197; p. 504.
- Frazer, Charles A., Westport, Conn. Smoking-table. No. 44,441; Aug. 5; Gaz. vol. 193; p. 202.
- Freeman, Charles O., Walthill, Nebr. Trunk. No. 44,366; July 22; Gaz. vol. 192; p. 966.
- French, Lawrence E., Los Angeles, Cal. Automobile-body. No. 44,760; Oct. 21; Gaz. vol. 195; p. 795.
- French, Walter A., Kansas City, Mo. Cornet. No. 44,095; May 27; Gaz. vol. 190; p. 1003.
- Frenz, Walter, Brooklyn, assignor to New York Button Works, New York, N. Y. Button. No. 43,719; Mar. 18; Gaz. vol. 188; p. 789.
- Friedberger-Aaron Manufacturing Company. (See Goodman, Samuel N., assignor.)
- Friedman, Joseph, Philadelphia, Pa. Drain-pipe. No. 44,609; Sept. 2; Gaz. vol. 194; p. 256.
- Frost, Percy T., assignor to The Smith-Phillips China Company, East Liverpool, Ohio. Plate or similar article. No. 43,923; Apr. 29; Gaz. vol. 189; p. 1256.
- Frost, Percy T., assignor to The Trenle China Company, East Liverpool, Ohio. Plate or similar article. Nos. 44,471-2; Aug. 12; Gaz. vol. 193; p. 480.
- Frost, Percy T., assignor to Smith-Phillips China Company, East Liverpool, Ohio. Plate or similar article. No. 44,473; Aug. 12; Gaz. vol. 193; p. 480.
- Fulda, Edward, New York, N. Y. Article of manufacture. No. 44,674; Sept. 16; Gaz. vol. 194; p. 734.
- Fuller, Frederick H. (See Tompkins and Fuller.)
- Fusner, Jesse L. (See Paull and Fusner.)
- Gaffney, John L., Chicago, Ill. Match-box holder. No. 44,096; May 27; Gaz. vol. 190; p. 1003.
- Gair, Robert, New York, N. Y. Box-strip. Nos. 44,870-1; Nov. 11; Gaz. vol. 196; p. 506.
- Gaisman, Henry J., assignor to Auto Strop Company, New York, N. Y. Razor-blade. No. 43,817; Apr. 8; Gaz. vol. 189; p. 496.
- Gallagher, Peter, Philadelphia, Pa. Game-board. No. 44,196; June 17; Gaz. vol. 191; p. 804.
- Gallaudet, Edson F., Norwich, Conn. Hydroaeroplane-body. No. 44,168; June 10; Gaz. vol. 191; p. 564.
- Gamble, Luther W., Nevada, Mo. Penwork-record. No. 44,920; Nov. 25; Gaz. vol. 196; p. 1025.
- Gance, Albert, Arcueil-Cachan, assignor to Societe des Lunetiers (Postel, Blanc, Bourse & Cie.), Paris, France. Mount for pince-nez. No. 44,169; June 10; Gaz. vol. 191; p. 564.
- Garage Equipment Manufacturing Company. (See Discher, Grant F., assignor.)

Alphabetical list of patentees of designs—Continued.

- Garber, Jesse B., assignor to The Deming Company, Salem, Ohio. Pump-body. No. 44,724; Oct. 14; Gaz. vol. 195; p. 519.
- Garford, Arthur L., assignor to The Garford Company, Elyria, Ohio. Rear fender for automobiles. No. 43,997; May 13; Gaz. vol. 190; p. 518.
- Garford Company, The. (See Garford, Arthur L., assignor.)
- Garniss, Charles F., Bridgewater, assignor to M. A. Packard Company, Brockton, Mass. Advertising-cabinet. No. 44,559; Aug. 26; Gaz. vol. 193; p. 986.
- Gedig, Andrew A., Indianapolis, Ind. Vase. No. 44,660; Sept. 16; Gaz. vol. 194; p. 732.
- Gee, Samuel, Providence, R. I. Number-display casing. No. 44,237; June 24; Gaz. vol. 191; p. 1045.
- Geers, Cyrus A., Edwardsville, Ill. Road-sign. No. 45,001; Dec. 9; Gaz. vol. 197; p. 504.
- Gelinas, Joseph, St. Barnabé, Quebec, Canada. Tracehook. No. 43,529; Feb. 11; Gaz. vol. 187; p. 484.
- Gem City Stove Manufacturing Company. (See Specht, Adolph A., assignor.)
- General Electric Company. (See D'Olier, Henry, Jr., assignor.)
- General Electric Company. (See Grant, Florence L., assignor.)
- General Electric Company. (See Heck, Carl W., assignor.)
- General Electric Company. (See Ryan, Walter D., assignor.)
- Genesee Cut Glass Company. (See Eick, William B., assignor.)
- Gentle, Cuthbert, Dorchester, assignor to T. H. Bowdidge, Boston, Mass. Beverage-heater. No. 43,958; May 6; Gaz. vol. 190; p. 238.
- Geo. Borgfeldt & Co. (See Thiele, Albert H., assignor.)
- George, Gustave, Paris, France, assignor to Cheney Brothers, South Manchester, Conn. Textile fabric. Nos. 43,998-44,001; May 13; Gaz. vol. 190; pp. 518-19.
- George, Gustave, Paris, France, assignor to Cheney Brothers, South Manchester, Conn. Textile fabric. Nos. 44,679-82; Sept. 23; Gaz. vol. 194; pp. 929-30.
- George H. Caboone Company. (See Wacha, John C., assignor.)
- Gephart, Henry O. (See Wilson and Gephart.)
- Gersh, Morris, Newcastle, Ind. Combined soap and glass holder. No. 43,530; Feb. 11; Gaz. vol. 187; p. 485.
- Gill, Gregor W., Manokin, Md. Lather-rubber. No. 44,872; Nov. 11; Gaz. vol. 196; p. 506.
- Gilinder & Sons. (See Booth, Kraft, assignor.)
- Gledhill, David F., assignor to Overbrook Carpet Company, Philadelphia, Pa. Rug. No. 43,762; Apr. 1; Gaz. vol. 189; p. 220.
- Glendening, George A., Bowlby, W. Va. Burial-vault. No. 44,636; Sept. 9; Gaz. vol. 194; p. 526.
- Goerdes, Frederick W., East Orange, N. J. Case for pocket-lighters. No. 43,818; Apr. 8; Gaz. vol. 189; p. 496.
- Goerdes, Frederick W., East Orange, N. J. Combination ash-tray. No. 44,956; Dec. 2; Gaz. vol. 197; p. 215.
- Goetting, Karl F., Orange, assignor to New Jersey Patent Company, West Orange, N. J. Cabinet. No. 45,043; Dec. 16; Gaz. vol. 197; p. 758.
- Goetz, Kathryn, Brooklyn, N. Y. Lamp. No. 44,304; July 8; Gaz. vol. 192; p. 494.
- Goldman, Jacob J., Mount Vernon, N. Y. Dress. No. 44,097; May 27; Gaz. vol. 190; p. 1004.
- Goldsmith, Stern & Co. (See Foster, Mortimer C., assignor.)
- Good Manufacturing Company. (See Warner, Charles W., assignor.)
- Goodman, Samuel N., assignor to Friedberger-Aaron Manufacturing Company, Philadelphia, Pa. Border for lace edging. No. 44,527; Aug. 19; Gaz. vol. 193; p. 730.
- Goodrich, Paul E., assignor to Naco Co., Pawtucket, R. I. Pillow-top or similar article. No. 44,921; Nov. 25; Gaz. vol. 196; p. 1025.
- Goodridge, Gilbert W., assignor to The Bryant Electric Company, Bridgeport, Conn. Pendant. No. 43,924; Apr. 29; Gaz. vol. 189; p. 1256.
- Goodwin, John E., Stoke-upon-Trent, assignor to Josiah Wedgwood & Sons Ltd., Etruria, England. Plate or similar article. No. 43,843; Apr. 15; Gaz. vol. 189; p. 754.
- Gorham Manufacturing Company. (See Codman, William C., assignor.)
- Gorham Manufacturing Company. (See Wilke, William H., assignor.)
- Gorton, Robert, West Newton, Mass. Button. No. 44,098; May 27; Gaz. vol. 190; p. 1004.
- Gothberg, Herman E., Jr., Roselle Park, N. J. Canopy or canopy-ring for light-fixtures. No. 43,609; Feb. 25; Gaz. vol. 187; p. 1084.
- Gouck, John A., Scottsville, N. Y. Saw. No. 44,561; Aug. 26; Gaz. vol. 193; p. 987.
- Grabach, John R., assignor to Franklin Silver Plate Company, Greenfield, Mass. Handle for knives, forks, or similar articles. No. 44,526; Aug. 19; Gaz. vol. 193; p. 730.
- Graham, William P., Brooklyn, N. Y. Plate. Nos. 44,528-9; Aug. 19; Gaz. vol. 193; pp. 730-1.
- Graham, William P., Brooklyn, N. Y. Covered dish. No. 45,002; Dec. 9; Gaz. vol. 197; p. 504.
- Grant, Florence L., Fostoria, Ohio, assignor to General Electric Company, New York, N. Y. Lamp shade or reflector. No. 43,418; Jan. 7; Gaz. vol. 186; p. 269.
- Grant, Joseph E., Detroit, Mich. Article of manufacture. No. 45,061; Dec. 23; Gaz. vol. 197; p. 975.
- Gray & Dudley Hardware Company. (See Griswold, William A., assignor.)
- Great Western Stove Company. (See Carter and Bertram, assignors.)
- Great Western Manufacturing Co. (See Lonn, Edward J., assignor.)
- Green, Harry, Dunkirk, N. Y. Watch-fob, emblem, or similar article. No. 43,695; Mar. 11; Gaz. vol. 188; p. 490.
- Greenan, Frank D., assignor to Fostoria Glass Company, Moundsville, W. Va. Glass vessel. No. 44,367; July 22; Gaz. vol. 192; p. 967.
- Greer, Charles, New Castle, Pa. Drinking-glass. No. 43,500; Feb. 4; Gaz. vol. 187; p. 211.
- Greer, Charles, New Castle, Pa. Drinking-glass. No. 44,059; May 20; Gaz. vol. 190; p. 767.
- Grell, Frederick W., assignor to American Hard Rubber Company, New York, N. Y. Comb. No. 43,567; Feb. 18; Gaz. vol. 187; p. 802.
- Gribko, Antoni, Hatfield, Mass. Door-knob. No. 44,099; May 27; Gaz. vol. 190; p. 1004.
- Griffin, Robert B., New York, N. Y. Wall-covering. No. 44,002; May 13; Gaz. vol. 190; p. 519.
- Griswold, William A., assignor to Gray & Dudley Hardware Company, Nashville, Tenn. Stove. Nos. 44,197-9; June 17; Gaz. vol. 191; p. 805.
- Grizzard, Henry E., Franklin, Va. Paper-clip. No. 44,957; Dec. 2; Gaz. vol. 197; p. 215.
- Gross, Rose, New York, N. Y. One-piece stamped cape and hood for dolls. No. 44,761; Oct. 21; Gaz. vol. 195; p. 795.
- Grosskopf, Frank C., San Diego, Cal. Hinge. No. 43,419; Jan. 7; Gaz. vol. 186; p. 269.
- Grotta, David, Newark, N. J., assignor to Weingarten Bros., Inc., New York, N. Y. Corset. No. 43,531; Feb. 11; Gaz. vol. 187; p. 485.
- Gudeman, Leo, New York, N. Y. Illuminated table decoration. No. 43,420; Jan. 7; Gaz. vol. 186; p. 269.
- Gudeman, Leo, New York, N. Y. Illuminated table decoration. No. 43,532; Feb. 11; Gaz. vol. 187; p. 485.
- Guenther, Charles H., Niagara Falls, N. Y., assignor to Wm. A. Rogers, Limited, Toronto, Canada. Candelabrum-base. No. 44,170; June 10; Gaz. vol. 191; p. 564.
- Guerin, George P., Chicago, Ill. Game-board. No. 43,874; Apr. 22; Gaz. vol. 189; p. 1001.
- Guidry, Ambrose J., assignor to Finlay Dicks & Co., Ltd., New Orleans, La. Dome-top toilet-powder can. No. 44,100; May 27; Gaz. vol. 190; p. 1004.
- Guild, Frank S., Merchantville, N. J., assignor to The Curtis Publishing Company, Philadelphia, Pa. Font of type. No. 44,101; May 27; Gaz. vol. 190; p. 1004.
- Guinzburg, Edwin A., New York, N. Y. Bathing-cap. No. 44,783; Oct. 28; Gaz. vol. 195; p. 1025.
- Guinzburg, Edwin A., New York, N. Y. Bathing-cap. No. 44,840; Nov. 4; Gaz. vol. 196; p. 255.
- Guinzburg, Victor, assignor to I. B. Kleinert Rubber Company, New York, N. Y. Undergarment. No. 44,873; Nov. 11; Gaz. vol. 196; p. 506.
- Gulick, Charlotte V., New York, N. Y. Ring. No. 43,925; Apr. 29; Gaz. vol. 189; p. 1256.
- Gulick, Charlotte V., New York, N. Y. Badge. No. 44,271; July 1; Gaz. vol. 192; p. 196.
- Gunthel, Alfred B., Sea Cliff, N. Y. Goblet or similar article. No. 43,533; Feb. 11; Gaz. vol. 187; p. 485.
- Guth, Edwin F., assignor to St. Louis Brass Manufacturing Company, St. Louis, Mo. Lighting-fixture. No. 44,403; July 29; Gaz. vol. 192; p. 1239.
- H. C. Fry Glass Company. (See Buckley, Harry H., assignor.)
- H. D. Smith and Company, The. (See Thomson, William S., assignor.)
- H. D. Smith & Company, The. (See Walkley, Lucius V., assignor.)
- H. W. Johns-Manville Company. (See Wardell, Henry R., assignor.)
- Haase, Leo G., Pasadena, Cal. Bench. No. 44,562; Aug. 26; Gaz. vol. 193; p. 987.
- Haase, Leo G., Pasadena, Cal. Flower-pot. No. 44,563; Aug. 26; Gaz. vol. 193; p. 987.
- Hacker, Rudolph, New York, N. Y. Veil. No. 44,368; July 22; Gaz. vol. 192; p. 967.
- Hadden, Robert, Atlantic City, N. J. Antisiphon trap-fixture. No. 44,404; July 29; Gaz. vol. 192; p. 1239.
- Hafner, Emma, assignor to Peet Brothers, Philadelphia, Pa. Display-card of books and eyes. No. 43,742; Mar. 25; Gaz. vol. 188; p. 1032.
- Hale and Kilburn Company. (See Kilburn, John E., assignor.)
- Haley, Reuben, Beaver, assignor to United States Glass Company, Pittsburgh, Pa. Syrup-pitcher. No. 43,819; Apr. 8; Gaz. vol. 189; p. 496.
- Haley, Reuben, Beaver, assignor to United States Glass Company, Pittsburgh, Pa. Glass vessel. Nos. 44,474-5; Aug. 12; Gaz. vol. 193; pp. 480-1.

Alphabetical list of patentees of designs—Continued.

- Haley, Reuben, Beaver, assignor to United States Glass Company, Pittsburgh, Pa. Glass jar. Nos. 44,762-5; Oct. 21; Gaz. vol. 195; p. 795-6.
- Hall, George F., Newark, N. J. Attachment for rules. No. 44,305; July 8; Gaz. vol. 192; p. 494.
- Hallett, Herbert I., Kansas City, Mo. Display-stand. No. 44,476; Aug. 12; Gaz. vol. 193; p. 481.
- Hamm, William S., Hubbard Woods, assignor to The Adams & Westlake Company, Chicago, Ill. Base for automobile-lamps. Nos. 44,200-1; June 17; Gaz. vol. 191; p. 805.
- Hamm, William S., Hubbard Woods, assignor to The Adams & Westlake Company, Chicago, Ill. Front for berth-lamps. No. 44,564; Aug. 26; Gaz. vol. 193; p. 987.
- Hamm, William S., H. Woods, and H. A. Douglas, assignors to The Adams & Westlake Company, Chicago, Ill. Automobile-lamp. No. 44,306; July 8; Gaz. vol. 192; p. 495.
- Hanny, Victor E., Phoenix, Ariz. Shirt. No. 43,763; Apr. 1; Gaz. vol. 189; p. 220.
- Hanold, Frank J., New York, N. Y. Memorial monument. No. 43,610; Feb. 25; Gaz. vol. 187; p. 1084.
- Hanold, Frank J., assignor to Townsend, Townsend & Company, New York, N. Y. Monument. No. 44,530; Aug. 19; Gaz. vol. 193; p. 731.
- Hansen, Angie L., Chicago, Ill. Safety oil-can. No. 44,405; July 29; Gaz. vol. 192; p. 1239.
- Hansen, Niels M., assignor to The De Vilbiss Manufacturing Company, Toledo, Ohio. Air-brush spray-head. No. 43,801; Apr. 1; Gaz. vol. 189; p. 228.
- Harman, Charles W., New Rochelle, assignor to Joseph Fahys & Company, New York, N. Y. Handle for spoons, forks, or similar articles. Nos. 44,060-1; May 20; Gaz. vol. 190; p. 767.
- Harman, Charles W., New Rochelle, assignor to Joseph Fahys & Co., New York, N. Y. Watchcase-bow. No. 44,202; June 17; Gaz. vol. 191; p. 805.
- Harrold, Elmer, assignor to The Crescent Machine Company, Leetonia, Ohio. Guard for band-saws. No. 44,126; June 3; Gaz. vol. 191; p. 267.
- Hartford Carpet Corporation, The. (See Dewsbury, William O., assignor.)
- Hartford Carpet Corporation, The. (See Folsom, James L., assignor.)
- Hartford Carpet Corporation, The. (See Howe, Herbert A., assignor.)
- Hartford Carpet Corporation, The. (See Pegel, Julius G., assignor.)
- Hartford Carpet Corporation, The. (See Sayers, William E., assignor.)
- Hartford, Edward V., Deal, N. J. Casing for electric starters. No. 44,369; July 22; Gaz. vol. 192; p. 967.
- Hartman, Eugene, New York, N. Y., assignor to Pacific Mills, Boston, Mass. Textile fabric or wall-paper. Nos. 43,611-12; Feb. 25; Gaz. vol. 187; p. 1085.
- Hartman, Eugene, New York, N. Y., assignor to Pacific Mills, Boston, Mass. Printed textile fabric. No. 44,565; Aug. 26; Gaz. vol. 193; p. 987.
- Hasler, Albert A., Hazleton, Pa. Textile fabric. No. 44,531; Aug. 19; Gaz. vol. 193; p. 731.
- Haslup, Gilbert A., Laurel, Md. Wall-covering. No. 44,127; June 3; Gaz. vol. 191; p. 267.
- Haviland, Theodore, Limoges, France. Plate. No. 44,566; Aug. 26; Gaz. vol. 193; p. 988.
- Hawe, William F. M., assignor to Macbeth-Evans Glass Company, Pittsburgh, Pa. Lamp-shade. No. 44,102; May 27; Gaz. vol. 190; p. 1005.
- Hawe, William F. M., assignor to Macbeth-Evans Glass Company, Pittsburgh, Pa. Lamp-shade. No. 44,307; July 8; Gaz. vol. 192; p. 495.
- Hawken, William H., assignor to Irving Cut Glass Company, Honesdale, Pa. Glassware vessel. No. 44,003; May 13; Gaz. vol. 190; p. 519.
- Hawley, Benjamin A., New Britain, Conn. Escutcheon-plate and knob. No. 43,534; Feb. 11; Gaz. vol. 187; p. 485.
- Hawley, John H., New York, N. Y. Button. Nos. 44,841-2; Nov. 4; Gaz. vol. 196; p. 255.
- Hawley, John H., New York, N. Y., assignor to American Enamel Co. Button. Nos. 45,003-4; Dec. 9; Gaz. vol. 197; pp. 504-5.
- Hawley, John H., New York, N. Y., assignor to American Enamel Company, Providence, R. I. Button. Nos. 45,062-3; Dec. 23; Gaz. vol. 197; p. 975.
- Hawthorne, Ellsworth A., Bridgeport, Conn. Lamp-hood. No. 44,308; July 8; Gaz. vol. 192; p. 495.
- Hawthorne, Ellsworth A., Bridgeport, Conn. Lamp-bracket. No. 44,477; Aug. 12; Gaz. vol. 193; p. 481.
- Hawthorne, Ellsworth A., Bridgeport, Conn. Lamp-bracket. Nos. 44,683-4; Sept. 23; Gaz. vol. 194; p. 930.
- Hawthorne, Ellsworth A., Bridgeport, Conn. Lamp. No. 44,706; Sept. 30; Gaz. vol. 194; p. 1124.
- Hawthorne, Ellsworth A., assignor to The Hawthorne Manufacturing Company, Bridgeport, Conn. Lamp. No. 43,696; Mar. 11; Gaz. vol. 188; p. 490.
- Hawthorne, Ellsworth A., assignor to The Hawthorne Manufacturing Company, Bridgeport, Conn. Lamp. No. 44,238; June 24; Gaz. vol. 191; p. 1045.
- Hawthorne Manufacturing Company, The. (See Hawthorne, Ellsworth A., assignor.)
- Hayden, Basil E., Comstock, assignor to Red Eagles Supreme Council, Kalamazoo, Mich. Badge. No. 43,501; Feb. 4; Gaz. vol. 187; p. 211.
- Head, Ralph B., Denver, Colo. Ink-well. No. 43,613; Feb. 25; Gaz. vol. 187; p. 1085.
- Healey & Co. (See Douglas, William H., assignor.)
- Heck, Carl W., Brooklyn, assignor to General Electric Company, New York, N. Y. Lamp shade or reflector. No. 43,421; Jan. 7; Gaz. vol. 186; p. 269.
- Heilborn, Franz J., Plainville, Mass. Necktie-holder. No. 45,064; Dec. 23; Gaz. vol. 197; p. 975.
- Heinzelman, Samuel, assignor to The Corona Cut Glass Company, Toledo, Ohio. Tumbler. Nos. 43,568-70; Feb. 18; Gaz. vol. 187; p. 802.
- Heisey & Co., A. H. (See Heisey, Edgar W., assignor.)
- Heisey & Co., A. H. (See Sanford, Andrew J., assignor.)
- Heisey, Edgar W., assignor to A. H. Heisey & Co., Newark, Ohio. Glass vessel. No. 45,044; Dec. 16; Gaz. vol. 197; p. 758.
- Henckel, Gustave A., South Orange, N. J. Cigar and cigarette case. No. 44,128; June 3; Gaz. vol. 191; p. 268.
- Henckel, Gustave A., South Orange, N. J. Border-section. No. 45,045; Dec. 16; Gaz. vol. 197; p. 759.
- Henckel, Gustave A., South Orange, N. J. Dish. No. 45,089; Dec. 30; Gaz. vol. 197; p. 1271.
- Henderson, Andrew, New York, N. Y. Button. No. 44,239; June 24; Gaz. vol. 191; p. 1045.
- Hendrie, William C., Los Angeles, Cal. Rubber vehicle-tire. No. 45,090; Dec. 30; Gaz. vol. 197; p. 1271.
- Hendryx, Nathan W., assignor to The Andrew B. Hendryx Co., New Haven, Conn. Bird-cage. No. 45,005; Dec. 9; Gaz. vol. 197; p. 505.
- Hepner, Adolf, Munich, Germany. Asparagus-holder. No. 44,103; May 27; Gaz. vol. 190; p. 1005.
- Herbert, Max, New York, N. Y. Dish. No. 43,720; Mar. 18; Gaz. vol. 188; p. 789.
- Herold, Friedrich, Buchholz, Saxony, Germany. Wall-receptacle. No. 44,922; Nov. 25; Gaz. vol. 196; p. 1025.
- Hewitt, Herbert H., Buffalo, N. Y. Resilient tire. No. 44,062; May 20; Gaz. vol. 190; p. 767.
- Hibbard Spencer Bartlett & Co. (See Wright, Horace C., assignor.)
- Hicks, Walter F., Leominster, Mass. Bow-clasp. No. 43,926; Apr. 29; Gaz. vol. 189; p. 1256.
- Hilder, George H., New York, N. Y. Toy. No. 43,707; Mar. 11; Gaz. vol. 188; p. 492.
- Hill, Charles D., assignor to Judd & Leland Manufacturing Company, Clifton Springs, N. Y. Pump-casing. No. 44,637; Sept. 9; Gaz. vol. 194; p. 526.
- Hill, James H., Rochester, assignor to Embury Manufacturing Company, Warsaw, N. Y. Lantern-dome. No. 44,240; June 24; Gaz. vol. 191; p. 1046.
- Hill, James H., Rochester, assignor to Embury Manufacturing Co., Warsaw, N. Y. Tubular lantern. No. 44,340; July 15; Gaz. vol. 192; p. 720.
- Hills, Albert S., Haydenville, Mass. Drinking-pipe. No. 43,743; Mar. 25; Gaz. vol. 188; p. 1032.
- Hindman, Isaiah E., Crafton, assignor to The Duff Manufacturing Company, Pittsburgh, Pa. Lifting-jack frame. No. 43,502; Feb. 4; Gaz. vol. 187; p. 211.
- Hinrichs, Henry, *et al.* (See Maher, Ross F., assignor.)
- Hirschfeld, Henry W., assignor to International Silver Co., Meriden, Conn. Cup, bowl, or similar article. Nos. 43,844-5; Apr. 15; Gaz. vol. 189; p. 754.
- Hirschfeld, Leo, New York, N. Y. Carton. Nos. 43,927-8; Apr. 29; Gaz. vol. 189; p. 1256.
- Hirsh, Fred, New York, N. Y. Clasp. No. 44,063; May 20; Gaz. vol. 190; p. 767.
- Hiser, Charles H., assignor to The Springfield Metallic Casket Company, Springfield, Ohio. Casket-handle. No. 44,203; June 17; Gaz. vol. 191; p. 805.
- Hobart Electric Manufacturing Company, The. (See Edgar, Edwin E., assignor.)
- Hoch, Ernest, New York, N. Y., assignor to Pacific Mills, Boston, Mass. Textile fabric or wall-paper. Nos. 43,614-19; Feb. 25; Gaz. vol. 187; pp. 1085-6.
- Hoch, Ernest, New York, N. Y., assignor to Pacific Mills, Boston, Mass. Textile fabric. No. 44,272; July 1; Gaz. vol. 192; p. 196.
- Hoch, Ernest, New York, N. Y., assignor to Pacific Mills, Boston, Mass. Printed textile fabric. Nos. 44,567-71; Aug. 26; Gaz. vol. 193; p. 988.
- Hoch, Ernest, New York, N. Y., assignor to Pacific Mills, Boston, Mass. Printed textile fabric. No. 44,685; Sept. 23; Gaz. vol. 194; p. 930.
- Hodgetts, Harold W., Springfield, Mass., assignor to The Strong Manufacturing Company, Winsted, Conn. Coffin-handle. No. 43,960; May 6; Gaz. vol. 190; p. 238.
- Hoffman, George D., Pasadena, Cal., assignor to Hoffman Specialty Company, Boston, Mass. Radiator-air-valve casing. No. 44,129; June 3; Gaz. vol. 191; p. 268.
- Hoffman, Henry A., Guttenberg, N. J., assignor to Weinreb Brothers, New York, N. Y. Textile fabric. No. 43,571; Feb. 18; Gaz. vol. 187; p. 803.

Alphabetical list of patentees of designs—Continued.

- Hoffman Specialty Company. (See Hoffman, George D., assignor.)
- Hohle, Walter, Barmen, Germany. Braided fabric for incandescent gas-mantles. No. 43,744; Mar. 25; Gaz. vol. 188; p. 1032.
- Holby, Enoch, Minneapolis, Minn. Truck-body. No. 44,923; Nov. 25; Gaz. vol. 196; p. 1026.
- Holan, Edward. (See Jirousek and Holan.)
- Holcomb, Frank E., Akron, Ohio, assignor to Consolidated Rubber Tire Company, Trenton, N. J. Casing for pneumatic tires. No. 44,241; June 24; Gaz. vol. 191; p. 1046.
- Holland, Newman H., assignor to Thomas A. Edison, Incorporated, West Orange, N. J. Cabinet. No. 44,638; Sept. 9; Gaz. vol. 194; p. 527.
- Hood Rubber Company. (See Duncan, William W., assignor.)
- Hoover, William D., Beaver Falls, assignor of one-half to J. T. Parks, McKees Rocks, Pa. Combined ticket or label holder and match-striker. No. 44,958; Dec. 2; Gaz. vol. 197; p. 215.
- Hopkins, Clifford W., Montclair, N. J., assignor to Bernard Rice's Sons, New York, N. Y. Match and cigarette holder. No. 43,802; Apr. 1; Gaz. vol. 189; p. 228.
- Horton, Bryson D., Detroit, Mich. Electrical-switch casing. No. 44,130; June 3; Gaz. vol. 191; p. 268.
- Horton Manufacturing Co., The. (See Treadway, Morton C., assignor.)
- Howard, Frederick C., Spokane, Wash. Key-tag. No. 44,406; July 29; Gaz. vol. 192; p. 1239.
- Howard, Frederick C., Spokane, Wash. Key-tag. No. 44,924; Nov. 25; Gaz. vol. 196; p. 1026.
- Howard, Frederick C., Spokane, Wash. Key-tag. No. 44,959; Dec. 2; Gaz. vol. 197; p. 215.
- Howe, Alfred H., New York, N. Y. Towel-rack. No. 44,686; Sept. 23; Gaz. vol. 194; p. 930.
- Howe, Herbert A., assignor to The Hartford Carpet Corporation, Thompsonville, Conn. Carpet or rug. No. 43,929; Apr. 29; Gaz. vol. 189; p. 1257.
- Howe, Herbert A., assignor to Hartford Carpet Corporation, Thompsonville, Conn. Carpet or rug. No. 44,242; June 24; Gaz. vol. 191; p. 1046.
- Howe, Herbert A., assignor to Hartford Carpet Corporation, Thompsonville, Conn. Carpet or rug. No. 44,273; July 1; Gaz. vol. 192; p. 197.
- Howe, Herbert A., assignor to Hartford Carpet Corporation, Thompsonville, Conn. Carpet or rug. No. 44,639; Sept. 9; Gaz. vol. 194; p. 527.
- Howe, Winthrop K., Rochester, N. Y. Light-signal casing. No. 44,341; July 15; Gaz. vol. 192; p. 720.
- Howell, Hamilton T., Woodside, N. Y., assignor to Black & Boyd Manufacturing Company, New York, N. Y. Electrolier. No. 43,535; Feb. 11; Gaz. vol. 187; p. 485.
- Hoye, James, Rochester, N. Y. Portière. No. 44,925; Nov. 25; Gaz. vol. 196; p. 1026.
- Hoyt, Donald, assignor to The Smith-Phillips China Company, East Liverpool, Ohio. Plate or similar article. No. 44,707; Sept. 30; Gaz. vol. 194; p. 1124.
- Hugo, Gustav V., Oakland, Cal. Souvenir-card. No. 43,820; Apr. 8; Gaz. vol. 189; p. 497.
- Humphreys, Charles F., Lancaster, assignor to Armstrong Cork Company, Pittsburgh, Pa. Linoleum, oil-cloth, or floor-covering. Nos. 43,422-3; Jan. 7; Gaz. vol. 186; pp. 269-70.
- Humphreys, Charles F., Lancaster, assignor to Armstrong Cork Company, Pittsburgh, Pa. Linoleum, oil-cloth, or floor-covering. Nos. 43,930-4; Apr. 29; Gaz. vol. 189; pp. 1257-8.
- Hunnean, William C. (See Lloyd, Frederic, assignor.)
- Hunt, Harry H., Jenkintown, assignor to Schofield, Mason & Co., Philadelphia, Pa. Rug. No. 43,875; Apr. 22; Gaz. vol. 189; p. 1001.
- Hunt, Helm, Ferris & Company. (See Ferris, Howard J., assignor.)
- Hunt, Ormond E., assignor to Packard Motor Car Company, Detroit, Mich. Vehicle-body. Nos. 44,309-10; July 8; Gaz. vol. 192; p. 495.
- Hunt, Paul, *et al.* (See Davis, Will F. P., assignor.)
- Hunter, Wilber E., Morgantown, W. Va. Tumbler. No. 43,808; Apr. 1; Gaz. vol. 189; p. 229.
- Hunter, Wilber E., Morgantown, W. Va. Goblet. No. 44,204; June 17; Gaz. vol. 191; p. 806.
- Hunter, Wilber E., Morgantown, W. Va. Goblet. No. 44,661; Sept. 16; Gaz. vol. 194; p. 732.
- Hutchens, Edward, assignor to Federal Rubber Mfg. Co., Milwaukee, Wis. Rubber mat. No. 44,890; Nov. 18; Gaz. vol. 196; p. 784.
- Huttig, Ernest W., Pittsburgh, Pa. Lamp-shade. Nos. 44,442-3; Aug. 5; Gaz. vol. 193; p. 202.
- Huttig, Ernest W., Pittsburgh, Pa. Lamp-shade. No. 44,478; Aug. 12; Gaz. vol. 193; p. 481.
- Huttig, Ernest W., Pittsburgh, Pa., assignor to Jefferson Glass Company, Follansbee, W. Va. Lamp-shade. No. 44,104; May 27; Gaz. vol. 190; p. 1005.
- Huttig, Ernest W., Pittsburgh, Pa., assignor to Jefferson Glass Co., Follansbee, W. Va. Lamp-shade. No. 45,006; Dec. 9; Gaz. vol. 197; p. 505.
- I. B. Kleintert Rubber Company. (See Guinzburg, Victor, assignor.)
- Ideal Wheel Company, The. (See Strietelmeier, John E., assignor.)
- Illinois Metallic Novelty Company. (See Cooke, Adrian C., assignor.)
- Inflexible Co. (See Schwarber, Henry, assignor.)
- Ingersoll & Bro., Robt. H. (See La Gatta, John, assignor.)
- International Silver Co. (See Aranyi, Joseph, assignor.)
- International Silver Co. (See Hirschfeld, Henry W., assignor.)
- International Silver Co. (See Kintz, Alfred G., assignor.)
- International Silver Co. (See Pretat, Frederick E., assignor.)
- International Silver Co. (See Stohrer, Samuel, assignor.)
- International Silver Co. (See Strohacker, Gustave, assignor.)
- International Silver Company. (See Shanley, Thomas A., assignor.)
- Ireland, David M., Detroit, Mich. Coupling for exposed pipes. No. 44,311; July 8; Gaz. vol. 192; p. 495.
- Irving Cut Glass Company. (See Hawken, William H., assignor.)
- J. Hungerford Smith Company. (See Nones, Joseph A., assignor.)
- J. G. Brill Company, The. (See Liddell, Robert B., assignor.)
- J. H. White Manufacturing Co. (See White, Edwin L., assignor.)
- J. & J. Cash. (See Avern, Raymond H., assignor.)
- J. W. York and Sons. (See Johnson, Alfred J., assignor.)
- Jackson, Andrew J., Jersey City, N. J., assignor to Manhattan Briar Pipe Company, New York, N. Y. Stem and mouthpiece for smoking-pipes. No. 44,205; June 17; Gaz. vol. 191; p. 806.
- Jacobs, Adolph R., Portland, Oreg. Blanket or couch-cover. No. 44,725; Oct. 14; Gaz. vol. 195; p. 519.
- Jacobson, Albert, Neopit, Wis. Picture-frame. No. 44,312; July 8; Gaz. vol. 192; p. 496.
- Jaeger, William C., Philadelphia, Pa. Game-board. No. 43,846; Apr. 15; Gaz. vol. 189; p. 754.
- Jameson, William A., Niagara Falls, N. Y. Spoon, fork, or similar article. Nos. 43,424-5; Jan. 7; Gaz. vol. 186; p. 270.
- Jameson, William A., Niagara Falls, N. Y. Handle for spoons, forks, or similar articles. No. 44,313; July 8; Gaz. vol. 192; p. 496.
- Jameson, William A., Niagara Falls, N. Y. Handle for spoons, forks, or similar articles. No. 44,532; Aug. 19; Gaz. vol. 193; p. 731.
- Jameson, William A., Niagara Falls, N. Y. Handle for spoons, forks, or similar articles. No. 45,065; Dec. 23; Gaz. vol. 197; p. 975.
- Jansen, Alfred W., New York, N. Y. Chamber vessel. No. 44,314; July 8; Gaz. vol. 192; p. 496.
- Jansen, Alfred W., New York, N. Y. Plate. No. 44,315; July 8; Gaz. vol. 192; p. 496.
- Jeavons, William R., Cleveland, Ohio. Window-frame for stove-drums. No. 44,206; June 17; Gaz. vol. 191; p. 806.
- Jeavons, William R., Cleveland, Ohio. Stove-drum. No. 45,007; Dec. 9; Gaz. vol. 197; p. 505.
- Jeavons, William R., Cleveland, Ohio. Drum-base for stoves. No. 45,008; Dec. 9; Gaz. vol. 197; p. 505.
- Jefferson Glass Co. (See Huttig, Ernest W., assignor.)
- Jenkins, David C., assignor to D. C. Jenkins Glass Company, Kokomo, Ind. Jar. No. 44,243; June 24; Gaz. vol. 191; p. 1046.
- Jenks, Barton P., assignor to Wm. B. Durgin Co., Concord, N. H. Handle for spoons, forks, or similar articles. No. 44,207; June 17; Gaz. vol. 191; p. 806.
- Jensen, Hattie C., Salt Lake City, Utah. Suit of playing-cards. No. 44,004; May 13; Gaz. vol. 190; p. 520.
- Jersey City Printing Company, The. (See Dear, William Y., assignor.)
- Jirousek, Jerry, and E. Holan, Verdigre, Nebr. Pin-cushion. No. 45,009; Dec. 9; Gaz. vol. 197; p. 505.
- John B. Higbee Glass Company. (See Clarke, Ira M., assignor.)
- Johnson, Alfred J., assignor to J. W. York and Sons, Grand Rapids, Mich. Cornet. No. 45,091; Dec. 30; Gaz. vol. 197; p. 1272.
- Johnson, Eldridge R., Merion, Pa., assignor to Victor Talking Machine Company. Cabinet for talking-machines. No. 44,105; May 27; Gaz. vol. 190; p. 1005.
- Johnson, Frank A., Reading, Pa. Photograph-holder. No. 43,490; Jan. 28; Gaz. vol. 186; p. 966.
- Johnson, Isaac G. (See Morat, Jacques, assignor.)
- Johnson, Joseph W., assignor to T. R. Treiber, Kansas City, Mo. Chalk-holder. No. 44,005; May 13; Gaz. vol. 190; p. 520.
- Johnson, Mahalla E., Reno, Nev. Chafing-dish. No. 43,721; Mar. 18; Gaz. vol. 188; p. 789.
- Johnson, Willis E., Newnan, Ga. Casing for weighing-machines. No. 45,046; Dec. 16; Gaz. vol. 197; p. 759.
- Johnston, Alexander, Edinburgh, Scotland. Golf-ball. No. 43,673; Mar. 4; Gaz. vol. 188; p. 221.
- Johnston, Alexander, Edinburgh, Scotland. Tire-tread. No. 45,092; Dec. 30; Gaz. vol. 197; p. 1272.
- Jones, Charles E., Chicago, Ill. Hanger for light-reflecting bowls. Nos. 44,843-5; Nov. 4; Gaz. vol. 196; p. 256.

Alphabetical list of patentees of designs—Continued.

- Jordan, Lewis, Spencer, Iowa. Toothpick-holder. No. 44,444; Aug. 5; Gaz. vol. 193; p. 202.
- Joseph Fahys & Company. (See Fahys, George E., assignor.)
- Joseph Fahys & Company. (See Harman, Charles W., assignor.)
- Josiah Wedgwood & Sons, Ltd. (See Goodwin, John E., assignor.)
- Joyce, Robert, Philadelphia, Pa. Burner for gas-irons. No. 44,208; June 17; Gaz. vol. 191; p. 806.
- Judd & Leland Manufacturing Company. (See Hill, Charles D., assignor.)
- Judson, Percy O., Hackensack, N. J. Floor-covering. No. 44,171; June 10; Gaz. vol. 191; p. 565.
- Juergens, Henry F., New York, N. Y. Bow-clasp. No. 43,536; Feb. 11; Gaz. vol. 187; p. 486.
- Kaempfer, Joseph G., New York, N. Y. Doll-head. No. 45,093; Dec. 30; Gaz. vol. 197; p. 1272.
- Kalla, Charles, Chicago, Ill. Puzzle. No. 44,172; June 10; Gaz. vol. 191; p. 565.
- Karsitz, Frank, assignor to The Acme Shear Company, Bridgeport, Conn. Handle for scissors and shears. No. 44,533; Aug. 19; Gaz. vol. 193; p. 731.
- Kaylor, Gertrude, Chicago, Ill. Bead collar. No. 44,708; Sept. 30; Gaz. vol. 194; p. 1124.
- Keen, Morris, Atlantic City, N. J., assignor to Keen-O-Phone Company. Cabinet for sound-reproducing machines. Nos. 43,961-4; May 6; Gaz. vol. 190; pp. 238-9.
- Keen-O-Phone Company. (See Keen, Morris, assignor.)
- Kees, Frederick. (See Colburn, Serenus M., assignor.)
- Keller, Adam E., assignor to The Keller Manufacturing Company, New York, N. Y. Brooch, badge, or scarf-pin. No. 44,064; May 20; Gaz. vol. 190; p. 768.
- Keller Manufacturing Company, The. (See Keller, Adam E., assignor.)
- Keller, Sidney A., New York, N. Y., assignor to American Hardware Corporation, New Britain, Conn. Escutcheon. No. 44,445; Aug. 5; Gaz. vol. 193; p. 203.
- Kellner, Josef, Brooklyn, and S. Worms, New Rochelle, assignors to Franklin Knitting Mills, New York, N. Y. Knitted necktie. No. 43,459; Jan. 21; Gaz. vol. 186; p. 776.
- Kellner, Josef, Brooklyn, and S. Worms, New Rochelle, assignors to Franklin Knitting Mills, New York, N. Y. Knitted neck tie or scarf. No. 43,537; Feb. 11; Gaz. vol. 187; p. 486.
- Kellner, Josef, Brooklyn, and S. Worms, New Rochelle, assignors to Franklin Knitting Mills, New York, N. Y. Knitted necktie or scarf. No. 43,572; Feb. 18; Gaz. vol. 187; p. 803.
- Kellner, Josef, Brooklyn, and S. Worms, New Rochelle, assignors to Franklin Knitting Mills, New York, N. Y. Knitted neck tie or scarf. No. 44,370; July 22; Gaz. vol. 192; p. 967.
- Kelly, William, assignor to Maxwell Motor Company, Incorporated, Detroit, Mich. Multicylinder-engine casting. No. 44,726; Oct. 14; Gaz. vol. 195; p. 519.
- Kenney, Owen E. (See Chapman and Kenney.)
- Kern, Jesse, Hamlin, Kans. Buggy-body. No. 44,446; Aug. 5; Gaz. vol. 193; p. 203.
- Keyrouse, Anthony V., New York, N. Y. Window-ventilator. No. 44,766; Oct. 21; Gaz. vol. 195; p. 796.
- Keystone Type Foundry. (See Weatherly, Sidney M., assignor.)
- Kiefer, Karl, Cincinnati, Ohio. Pump and motor connecting piece. No. 43,723; Mar. 18; Gaz. vol. 188; p. 790.
- Kieffer, Eugene T., Philadelphia, Pa., assignor to Victor Talking Machine Company. Cabinet for talking-machines. No. 43,722; Mar. 18; Gaz. vol. 188; p. 789.
- Kilburn, John E., assignor to Hale and Kilburn Company, Philadelphia, Pa. Seat end. No. 44,209; June 17; Gaz. vol. 191; p. 806.
- Kimbell, John L., Jr., Shreveport, La., assignor to The National Society of the Children of the American Revolution, Washington, D. C. Handle for spoons, forks, and similar articles. No. 44,065; May 20; Gaz. vol. 190; p. 768.
- King, Walter G., New York, N. Y. Nose-guard. No. 44,534; Aug. 19; Gaz. vol. 193; p. 731.
- Kintz, Alfred G., Wallingford, Conn., assignor to International Silver Co., Meriden, Conn. Spoon, fork, or similar article. No. 43,538; Feb. 11; Gaz. vol. 187; p. 486.
- Kintz, Alfred G., Wallingford, assignor to International Silver Co., Meriden, Conn. Spoon, fork, or similar article. No. 44,244; June 24; Gaz. vol. 191; p. 1046.
- Kirby, James B., Cleveland, Ohio. Casing for pneumatic cleaners. No. 43,674; Mar. 4; Gaz. vol. 188; p. 221.
- Kirby, James B., Cleveland, Ohio. Handle for vacuum-cleaners. No. 44,173; June 10; Gaz. vol. 191; p. 565.
- Kirby, James B., Cleveland, Ohio. Vacuum-cleaner casing. No. 44,846; Nov. 4; Gaz. vol. 196; p. 256.
- Kirilow, August, Pittsburgh, Pa. Pictorial post-card. No. 43,620; Feb. 25; Gaz. vol. 187; p. 1086.
- Kirk, Walter R., Boston, Mass. Bowling score-board. No. 44,066; May 20; Gaz. vol. 190; p. 768.
- Klein, Adolph S., Cleveland, Ohio. Refrigerator. No. 43,697; Mar. 11; Gaz. vol. 188; p. 491.
- Knaak, George A., assignor to Wilboken Manufacturing Co., Milwaukee, Wis. Beer-pump casing. No. 44,479; Aug. 12; Gaz. vol. 193; p. 481.
- Knapp, Edward J., Syracuse, N. Y. Candle. No. 44,480; Aug. 12; Gaz. vol. 193; p. 482.
- Koch, Bernard F., Chicago, Ill. Motor-cycle side-car body. No. 44,572; Aug. 26; Gaz. vol. 193; p. 989.
- Kochler, George W., et al. (See Maher, Ross F., assignor.)
- Kohner, Gustave, assignor of one-half to E. M. Vogel, New York, N. Y. Vest. No. 45,047; Dec. 16; Gaz. vol. 197; p. 759.
- Koken Barbers' Supply Company. (See Koken, Walter F., assignor.)
- Koken, Walter F., assignor to Koken Barbers' Supply Company, St. Louis, Mo. Chair. No. 44,006; May 13; Gaz. vol. 190; p. 520.
- Koolbite Toy Company. (See Bridges, Josiah S., assignor.)
- Kopecky, Joseph, Cainesville, Mo. Miner's canteen. No. 44,371; July 22; Gaz. vol. 192; p. 967.
- Kopp, Nicholas, Pittsburgh, Pa. Shade. No. 43,539; Feb. 11; Gaz. vol. 187; p. 486.
- Kopp, Nicholas, assignor to Pittsburgh Lamp, Brass & Glass Company, Pittsburgh, Pa. Shade. Nos. 44,245-6; June 24; Gaz. vol. 191; pp. 1046-7.
- Kopp, Nicholas, assignor to Pittsburgh Lamp, Brass & Glass Company, Pittsburgh, Pa. Glass shade. No. 44,342; July 15; Gaz. vol. 192; p. 721.
- Korzinek, William C., Weehawken Heights, N. J., assignor to Pacific Mills, Boston, Mass. Textile fabric or wall-paper. No. 43,621; Feb. 25; Gaz. vol. 187; p. 1086.
- Kováts, Thomas A., Philadelphia, Pa. Automobile-body. No. 44,067; May 20; Gaz. vol. 190; p. 768.
- Krauss, Jacob L., Jenkintown, Pa. Change-receptacle. No. 44,535; Aug. 19; Gaz. vol. 193; p. 732.
- Kruse, John F., Denver, Colo. Vapor-bath cabinet. No. 44,767; Oct. 21; Gaz. vol. 195; p. 796.
- Kupfer, Emil F. (See Smith, Francis R., assignor.)
- Kursheedt, Alphonse H., New York, N. Y. Textile fabric. No. 44,007; May 13; Gaz. vol. 190; p. 520.
- L. E. Knott Apparatus Company. (See Cate, Eleazar, assignor.)
- L. & M. Rubber Company, The. (See Richards, Homer J., assignor.)
- La Bell, Alex, Detroit, Mich. Funeral-car body. No. 43,821; Apr. 8; Gaz. vol. 189; p. 497.
- La Gatta, John, assignor to Robt. H. Ingersoll & Bro., New York, N. Y. Display-fixtue. No. 44,560; Aug. 26; Gaz. vol. 193; p. 987.
- La Vine, Edward, Brussels, Belgium. Ring. No. 44,926; Nov. 25; Gaz. vol. 196; p. 1026.
- Lacouture, Henry C., Arlington, N. J., assignor to Bigelow Carpet Company. Carpet. No. 43,876; Apr. 22; Gaz. vol. 189; p. 1001.
- Lacouture, Henry C., Arlington, N. J., assignor to Bigelow Carpet Company. Carpet. No. 44,784; Oct. 28; Gaz. vol. 195; p. 1025.
- Lake, John L., assignor of one-half to L. Rieman, Philadelphia, Pa. Game-board. No. 43,622; Feb. 25; Gaz. vol. 187; p. 1086.
- Lamb, Joseph F., assignor to Landers, Frary & Clark, New Britain, Conn. Lunch-box. No. 43,540; Feb. 11; Gaz. vol. 187; p. 486.
- Lambert, Julius J., assignor to Frank and Lambert, Inc., New York, N. Y. Textile fabric. No. 44,008; May 13; Gaz. vol. 190; p. 521.
- Lamphare, Frederick P., Prairie du Chien, Wis. Rack. No. 44,372; July 22; Gaz. vol. 192; p. 968.
- Landers, Frary & Clark. (See Curtiss, George E., assignor.)
- Landers, Frary & Clark. (See Lamb, Joseph F., assignor.)
- Landis, Adam S., York, Pa. Hotel-sign. No. 44,343; July 15; Gaz. vol. 192; p. 721.
- Lang, Charles E. J., assignor to The Rauch & Lang Carriage Company, Cleveland, Ohio. Vehicle-body. No. 44,536; Aug. 19; Gaz. vol. 193; p. 732.
- Langrock, Joseph H., New York, N. Y. Emblem. No. 43,698; Mar. 11; Gaz. vol. 188; p. 491.
- Lanier, May F., Greenwich, Conn., assignor to Camp Fire Girls, an association. Ceremonial gown. No. 45,010; Dec. 9; Gaz. vol. 197; p. 506.
- Lanphear, Ozro C., Galesburg, Ill. Pin, brooch, charm, fob, or similar article of jewelry. No. 43,503; Feb. 4; Gaz. vol. 187; p. 211.
- Large, Samuel J., assignor to The American Silver Company, Bristol, Conn. Spoon, fork, or similar article. No. 43,573; Feb. 18; Gaz. vol. 187; p. 803.
- Large, Samuel J., assignor to The American Silver Company, Bristol, Conn. Handle for spoons, forks, or similar articles. No. 45,066; Dec. 23; Gaz. vol. 197; p. 975.
- Larned, William L., New York, N. Y. Finger-ring. No. 45,011; Dec. 9; Gaz. vol. 197; p. 506.
- Laws, Arthur C., Fulton, N. Y. Mallet. No. 43,877; Apr. 22; Gaz. vol. 189; p. 1001.
- Lawson, Stanley M., Cincinnati, Ohio. Furniture-foot. No. 43,822; Apr. 8; Gaz. vol. 189; p. 497.
- Layton, Frank M., Port Dickinson, N. Y. Floor-scraper. No. 44,927; Nov. 25; Gaz. vol. 196; p. 1026.
- Leasure, William C., Steubenville, Ohio. Lamp-shade. No. 44,610; Sept. 2; Gaz. vol. 194; p. 256.

Alphabetical list of patentees of designs--Continued.

- Leasure, William C., Steubenville, Ohio. Lamp-shade. No. 44,709; Sept. 30; Gaz. vol. 194; p. 1124.
- Lebach, Stuart J., New York, N. Y. Metal box. No. 44,928; Nov. 25; Gaz. vol. 196; p. 1026.
- Lebovitz, Louis, Pittsburgh, Pa. Gas-stove. No. 53,504; Feb. 4; Gaz. vol. 187; p. 212.
- Leck, Arthur J., assignor to Earl & Wilson, Troy, N. Y. Label-blank. No. 43,426; Jan. 7; Gaz. vol. 186; p. 270.
- Lee, John E., Conshohocken, Pa. Tire. No. 44,640; Sept. 9; Gaz. vol. 194; p. 527.
- Leikauf, John E., Bedford Park, assignor to Park & Tilford, New York, N. Y. Candy-box. No. 44,009; May 13; Gaz. vol. 190; p. 521.
- Leitch, Frank E., assignor to William Campbell Wall Paper Company, Hackensack, N. J. Wall-paper. No. 43,623; Feb. 25; Gaz. vol. 187; p. 1087.
- Lenz, Alfred D., Mill Valley, assignor to Panama-Pacific International Exposition Co., San Francisco, Cal. Seal. No. 44,247; June 24; Gaz. vol. 191; p. 1047.
- Leonard, William A., Riverside, Ill. Spool-cabinet. No. 44,611; Sept. 2; Gaz. vol. 194; p. 256.
- Leonoff, Andrew, Elm Park, N. Y. Monument. No. 44,481; Aug. 12; Gaz. vol. 193; p. 482.
- Leopold, George O., assignor to North Bro's M'fg. Co., Philadelphia, Pa. Frame of bench-drills. No. 43,803; Apr. 1; Gaz. vol. 189; p. 228.
- Leopold, George O., assignor to North Bro's M'fg. Co., Philadelphia, Pa. Screw-driver. No. 44,573; Aug. 26; Gaz. vol. 193; p. 989.
- Leslie, Grover L., Atlanta, Ga. Coat and hat rack. No. 44,373; July 22; Gaz. vol. 192; p. 968.
- Lewis, Frank D., Elizabeth, assignor to New Jersey Patent Company, West Orange, N. J. Cabinet. No. 45,048; Dec. 16; Gaz. vol. 197; p. 759.
- Lewis, George B., San Francisco, Cal. Spoon, fork, or similar article. No. 43,624; Feb. 25; Gaz. vol. 187; p. 1087.
- Liddell, Robert B., assignor to The J. G. Brill Company, Philadelphia, Pa. Pedestal for car-seats. Nos. 43,460-1; Jan. 21; Gaz. vol. 186; p. 776.
- Lieberknecht, Samuel, Hellam, Pa. Feed-hopper. No. 43,427; Jan. 7; Gaz. vol. 186; p. 270.
- Littleman, Frederick R., Harlan, Iowa. Flexible frame-cover for surgeons' operating-pans. No. 44,174; June 10; Gaz. vol. 191; p. 565.
- Lippincott, Fisher H., assignor to A. H. and F. H. Lippincott, Inc., Philadelphia, Pa. Soda-fountain. Nos. 44,662-5; Sept. 16; Gaz. vol. 194; p. 732.
- Littlefield, Lemuel A., assignor to Rockford Silver Plate Company, Rockford, Ill. Handle for spoons, forks, or similar articles. No. 43,823; Apr. 8; Gaz. vol. 189; p. 497.
- Lloyd, Frederic, Lewiston, Me., assignor to W. C. Hunne-man, Brookline, Mass. Bedspread. No. 44,010; May 13; Gaz. vol. 190; p. 521.
- Lloyd, Thomas, Boston, Mass. Holy-water font. No. 44,374; July 22; Gaz. vol. 192; p. 968.
- Lobstein, John G., Jr., assignor to Passow & Sons, Chicago, Ill. Billiard-table. No. 43,462; Jan. 21; Gaz. vol. 186; p. 776.
- Lockhart, Walter R., Hotchkiss, Colo. Game-board. No. 43,764; Apr. 1; Gaz. vol. 189; p. 221.
- Lonn, Edward J., Laporte, Ind. Bicycle-frame. Nos. 44,248-50; June 24; Gaz. vol. 191; p. 1047.
- Lonn, Edward J., assignor to Great Western Manufacturing Co., Laporte, Ind. Bicycle-frame. No. 44,950; Nov. 25; Gaz. vol. 196; p. 1030.
- Loomis, Harry T., Brooklyn, assignor to Frank and Lambert, Inc., New York, N. Y. Textile fabric. No. 44,011; May 13; Gaz. vol. 190; p. 521.
- Lorenz, William A., Hartford, Conn. Frame for type-writing machines. No. 43,935; Apr. 29; Gaz. vol. 189; p. 1258.
- Lorenz, William A., Hartford, Conn. Can, jar, or similar article. No. 44,131; June 3; Gaz. vol. 191; p. 268.
- Lorenz, William A., Hartford, Conn. Can, jar, or similar article. Nos. 44,929-31; Nov. 25; Gaz. vol. 196; p. 1027.
- Lott, William F., New York, N. Y. Athletic shirt. No. 43,765; Apr. 1; Gaz. vol. 189; p. 221.
- Loudon, Milton R., Brooklyn, N. Y., assignor to Bigelow Carpet Company. Carpet. Nos. 44,012-14; May 13; Gaz. vol. 190; pp. 521-2.
- Lüchinger, Albert, New York, N. Y. Embroidery-alphabet. No. 44,727; Oct. 14; Gaz. vol. 195; p. 519.
- Luttinger, Sadie, New York, N. Y. Garment-protector for nursing mothers. No. 45,012; Dec. 9; Gaz. vol. 197; p. 506.
- Luttringhaus, Walter, Chicago, Ill. Coffee or tea pot. No. 44,210; June 17; Gaz. vol. 191; p. 807.
- Lydick, Ernest B., Pittsburgh, Pa. Fruit-knife. No. 44,211; June 17; Gaz. vol. 191; p. 807.
- M. A. Packard Company. (See Garniss, Charles F., assignor.)
- M. S. Wright Co. (See Wright, Morris S., assignor.)
- MacGregor, Peter G., New York, N. Y. Bracket for holding fire-extinguishers. No. 44,015; May 13; Gaz. vol. 190; p. 522.
- Macbeth-Evans Glass Company. (See Evans, Howard S., assignor.)
- Macbeth-Evans Glass Company. (See Hawe, William F. M., assignor.)
- Maddock Pottery Company. (See May, Charles A., assignor.)
- Magidson, Frank, Pittsburgh, Pa. Casing for ticket-dispensing machines. No. 43,542; Feb. 11; Gaz. vol. 187; p. 487.
- Magui, Abel, New York, N. Y. Lighting-fixture. Nos. 44,482-4; Aug. 12; Gaz. vol. 193; p. 482.
- Maher, Ross F., St. Paul, Minn. Billiard-table. Nos. 43,463-6; Jan. 21; Gaz. vol. 186; p. 776.
- Maher, Ross F., St. Paul, assignor of one-half to G. W. Koehler, Ramsey county, Minn., and one-half to H. Hinrichs, Manitowoc county, Wis. Billiard-table. No. 43,541; Feb. 11; Gaz. vol. 187; p. 486.
- Mahloch, William, Chicago, Ill. Wall or table ornament. No. 43,699; Mar. 11; Gaz. vol. 188; p. 491.
- Maiella, Guiseppe, Boston, Mass. Lamp. No. 44,316; July 8; Gaz. vol. 192; p. 496.
- Maisch-Bitschenauer, H., Paris, France, assignor to Cheney Brothers, South Manchester, Conn. Textile fabric. No. 43,986; May 13; Gaz. vol. 190; p. 516.
- Maisch-Bitschenauer, Henri, Paris, France, assignor to Cheney Brothers, South Manchester, Conn. Textile fabric. Nos. 44,687-8; Sept. 23; Gaz. vol. 194; p. 931.
- Major, Walter C., New York, N. Y. Playing-card. No. 43,543; Feb. 11; Gaz. vol. 187; p. 487.
- Major, Walter C., New York, N. Y. Playing-card. Nos. 44,274-83; July 1; Gaz. vol. 192; pp. 197-8.
- Mallory, Frederick B., Portland, Ore. Combined shackle, swivel, and cross-head for blocks. No. 43,847; Apr. 15; Gaz. vol. 189; p. 754.
- Mallory, Frederick B., Portland, Ore. Block side. No. 44,016; May 13; Gaz. vol. 190; p. 522.
- Mallory, Frederick B., Portland, Ore. Block side. No. 44,068; May 20; Gaz. vol. 190; p. 768.
- Mallory, Frederick B., Portland, Ore. Block side. No. 44,612; Sept. 2; Gaz. vol. 194; p. 257.
- Mainati, John N., et al. (See Faissole, Charles A., assignor.)
- Manhattan Briar Pipe Company. (See Jackson, Andrew J., assignor.)
- Manhattan Electrical Supply Company. (See Peterson, Johann G., assignor.)
- Manning, Bowman & Company. (See Farr, Edward A., assignor.)
- Manson, Ray H., Elyria, Ohio. Speedometer or odometer casing. No. 44,768; Oct. 21; Gaz. vol. 195; p. 796.
- Manson, Ray H., assignor to The Dean Electric Company, Elyria, Ohio. Automobile-horn. No. 43,505; Feb. 4; Gaz. vol. 187; p. 212.
- Manson, Ray H., assignor to The Dean Electric Company, Elyria, Ohio. Automobile-horn. No. 43,574; Feb. 18; Gaz. vol. 187; p. 803.
- Marcher, Albert. (See Baxter and Marcher.)
- Marks, Arthur H., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Tire-tread. No. 44,407; July 29; Gaz. vol. 192; p. 1240.
- Marson, Edward, London, England. Clamp-lever for telescopic show-stands. No. 43,848; Apr. 15; Gaz. vol. 189; p. 755.
- Martin, Patrick A., and J. Stanley, Birmingham, England. Golf-ball. Nos. 44,175-7; June 10; Gaz. vol. 191; pp. 565-6.
- Martin, Patrick A., and J. Stanley, Birmingham, England. Golf-ball. No. 44,408; July 29; Gaz. vol. 192; p. 1240.
- Martinsak, John, New York, N. Y. Burial-casket. No. 44,769; Oct. 21; Gaz. vol. 195; p. 796.
- Martino, Pietro V., New York, N. Y. Reclining-chair. No. 44,728; Oct. 14; Gaz. vol. 195; p. 520.
- Massey, Charles F., Chicago, Ill. Portable concrete house. No. 44,017; May 13; Gaz. vol. 190; p. 522.
- Mathews, Lucia K., assignor to Panama-Pacific International Exposition Co., San Francisco, Cal. Badge or similar article. No. 44,689; Sept. 23; Gaz. vol. 194; p. 931.
- Maxwell Motor Company. (See Kelly, William, assignor.)
- May, Charles A., assignor to Maddock Pottery Company, Trenton, N. J. Plate or similar article. Nos. 44,018-19; May 13; Gaz. vol. 190; p. 522.
- May, Charles A., assignor to Maddock Pottery Company, Trenton, N. J. Plate or similar article. No. 44,690; Sept. 23; Gaz. vol. 194; p. 931.
- Mayer, Max, New York, N. Y. Pipe-bit. No. 43,700; Mar. 11; Gaz. vol. 188; p. 491.
- Mayfair. (See Murphy, Sarah L., assignor.)
- McBee, John L., assignor to Ream-McBee Company, Mansfield, Ohio. Monument. Nos. 44,375-6; July 22; Gaz. vol. 192; p. 968.
- McCarthy, Daniel A., Utica, N. Y. Hair-pin. No. 44,447; Aug. 5; Gaz. vol. 193; p. 203.
- McClymont, Bryce W., assignor to Penberthy Injector Company, Detroit, Mich. Cigar-cutter. No. 45,013; Dec. 9; Gaz. vol. 197; p. 506.
- McCoig, Franklin P., Redondo Beach, Cal. Vending-machine casing. No. 44,377; July 22; Gaz. vol. 192; p. 968.
- McIntosh, George, et al. (See Davis, Will F. P., assignor.)
- McIsaac, Daniel J., New York, N. Y. Shaving-mirror and support. No. 44,537; Aug. 19; Gaz. vol. 193; p. 732.

- McMurtrie, Adnah, assignor to Thomas & Betts Company, New York, N. Y. Coupling or nipple for pipes. No. 43,804; Apr. 1; Gaz. vol. 189; p. 229. [Withdrawn.]
- McMurtrie, Adnah, assignor to Thomas & Betts Company, New York, N. Y. Coupling or nipple for pipes. No. 44,178; June 10; Gaz. vol. 191; p. 566.
- McNair, Edward N., Newark, N. J. Spoon-holder. No. 44,485; Aug. 12; Gaz. vol. 193; p. 482.
- McNerney, Peter J., Oakland, assignor to Souvenir Novelty Company, Sacramento, Cal. Clock-case. No. 43,544; Feb. 11; Gaz. vol. 187; p. 487.
- McQuillan, Jacob M., assignor to Winterton Manufacturing Company, Pittsburgh, Pa. Wind-shield for motor-vehicles and the like. No. 44,251; June 24; Gaz. vol. 191; p. 1047.
- McRae, Arthur A., Attleboro, Mass. Metallic fabric. No. 44,729; Oct. 14; Gaz. vol. 195; p. 520.
- Meagher, George A., Montreal, Quebec, Canada. Skate. No. 43,766; Apr. 1; Gaz. vol. 189; p. 221.
- Medaris, Arthur M., and R. F. Powell, Denver, Colo. Vapor-bath tub. No. 44,378; July 22; Gaz. vol. 192; p. 969.
- Meginn, James E., Covina, Cal. Shoe-horn. No. 45,014; Dec. 9; Gaz. vol. 197; p. 506.
- Meinecke, Christian W., Jersey City, N. J., assignor to Meinecke & Co., New York, N. Y. Surgical basin. No. 44,448; Aug. 5; Gaz. vol. 193; p. 203.
- Meinecke & Co. (See Meinecke, Christian W., assignor.)
- Meiser, George H., Chicago, assignor to Black Hawk Motor Co., Rock Island, Ill. Motor-cycle frame. No. 43,625; Feb. 25; Gaz. vol. 187; p. 1087.
- Merle, Henry J., Chicago, Ill. Desk. No. 44,770; Oct. 21; Gaz. vol. 195; p. 797.
- Merrill, Joshua, Dedham, Mass. Die. No. 44,874; Nov. 11; Gaz. vol. 196; p. 507.
- Merry, Ivah R., Oakville, Wash. Baby bath-stand. No. 44,486; Aug. 12; Gaz. vol. 193; p. 483.
- Merry, John, New York, N. Y., assignor to Bigelow Carpet Company. Carpet. Nos. 43,467-71; Jan. 21; Gaz. vol. 186; p. 777.
- Merry, John, New York, N. Y., assignor to Bigelow Carpet Company. Rug. Nos. 43,626-31; Feb. 25; Gaz. vol. 187; pp. 1087-8.
- Merry, John, New York, N. Y., assignor to Bigelow Carpet Company. Rug. Nos. 43,767-71; Apr. 1; Gaz. vol. 189; pp. 221-2.
- Merry, John, New York, N. Y., assignor to Bigelow Carpet Company. Carpet. Nos. 43,878-81; Apr. 22; Gaz. vol. 189; pp. 1001-2.
- Merry, John, New York, N. Y., assignor to Bigelow Carpet Company. Rug. No. 43,882; Apr. 22; Gaz. vol. 189; p. 1002.
- Merry, John, New York, N. Y., assignor to Bigelow Carpet Company. Carpet. Nos. 43,883-4; Apr. 22; Gaz. vol. 189; p. 1002.
- Merry, John, New York, N. Y., assignor to Bigelow Carpet Company. Carpet. Nos. 44,212-15; June 17; Gaz. vol. 191; p. 807.
- Merry, John, New York, N. Y., assignor to Bigelow Carpet Company. Rug. Nos. 44,785-90; Oct. 28; Gaz. vol. 195; pp. 1025-6.
- Merry, John, New York, N. Y., assignor to Bigelow Carpet Company. Carpet. Nos. 44,791-2; Oct. 28; Gaz. vol. 195; pp. 1026-7.
- Merry, John, New York, N. Y., assignor to Bigelow Carpet Company. Rug. Nos. 44,793-5; Oct. 28; Gaz. vol. 195; p. 1027.
- Merry, John, New York, N. Y., assignor to Bigelow Carpet Company. Rug. No. 44,847; Nov. 4; Gaz. vol. 196; p. 257.
- Merry, John, New York, N. Y., assignor to Bigelow Carpet Company. Carpet. Nos. 44,848-9; Nov. 4; Gaz. vol. 196; p. 257.
- Merry, John, New York, N. Y., assignor to Bigelow Carpet Company. Rug. No. 44,850; Nov. 4; Gaz. vol. 196; p. 257.
- Merry, John, New York, N. Y., assignor to Bigelow Carpet Company. Carpet. No. 44,891; Nov. 18; Gaz. vol. 196; p. 785.
- Merry, John, New York, N. Y., assignor to Bigelow Carpet Company. Carpet. Nos. 44,960-1; Dec. 2; Gaz. vol. 197; p. 215.
- Merry, John, New York, N. Y., assignor to Bigelow Carpet Company. Rug. No. 44,962; Dec. 2; Gaz. vol. 197; p. 216.
- Merry, John, New York, N. Y., assignor to Bigelow Carpet Company. Carpet. Nos. 44,963-4; Dec. 2; Gaz. vol. 197; p. 216.
- Metcalf, Charles, Streator, Ill. Bracket. No. 44,132; June 3; Gaz. vol. 191; p. 268.
- Meyer, August, Mount Prospect, Ill. Match-safe. No. 44,379; July 22; Gaz. vol. 192; p. 969.
- Meyer, John M., Jr., assignor to The Sayers & Scovill Company, Cincinnati, Ohio. Seat-back for vehicles. No. 43,506; Feb. 4; Gaz. vol. 187; p. 212.
- Michak, Andrew, Rhone, Pa. Fire-hose connection. No. 44,380; July 22; Gaz. vol. 192; p. 969.
- Miller Pasteurizing Machine Company, The. (See Pfouts, Leroy S., assignor.)
- Miller, Richard, New Berlin, Ohio. Harness-saddle. No. 44,069; May 20; Gaz. vol. 190; p. 768.
- Miller, Thomas W., Ashland, Ohio. Bathing-cap. No. 45,015; Dec. 9; Gaz. vol. 197; p. 506.
- Miller, Warren H., Interlaken, N. J. Tent. No. 45,016; Dec. 9; Gaz. vol. 197; p. 507.
- Millington, Theodore H., assignor of one-half to Detroit Body Company, Detroit, Mich. Automobile-body. No. 44,851; Nov. 4; Gaz. vol. 196; p. 257.
- Mills, William, Danesbury, Solihull, England. Head of golf-clubs. No. 43,885; Apr. 22; Gaz. vol. 189; p. 1003.
- Milwaukee Yacht & Boat Company. (See Crouch, Albert W., assignor.)
- Minneapolis Steel & Machinery Co. (See Pitblado, James M., assignor.)
- Mississippi Glass Company. (See Walsh, Julius S., assignor.)
- Mittinger, George E., Jr., New Castle, Pa. Dish-pan. No. 44,932; Nov. 25; Gaz. vol. 196; p. 1027.
- Moffat, John B., Bronxville, N. Y., assignor to Bigelow Carpet Company. Carpet. Nos. 43,472-3; Jan. 21; Gaz. vol. 186; p. 777.
- Moffat, John B., Bronxville, N. Y., assignor to Bigelow Carpet Company. Rug. No. 43,632; Feb. 25; Gaz. vol. 187; p. 1088.
- Moffat, John B., Bronxville, N. Y., assignor to Bigelow Carpet Company. Rug. No. 43,772; Apr. 1; Gaz. vol. 189; p. 222.
- Moffat, John B., Bronxville, N. Y., assignor to Bigelow Carpet Company. Carpet. No. 44,020; May 13; Gaz. vol. 190; p. 523.
- Moffat, John B., Bronxville, N. Y., assignor to Bigelow Carpet Company. Carpet. No. 44,852; Nov. 4; Gaz. vol. 196; p. 257.
- Moffat, John B., Bronxville, N. Y., assignor to Bigelow Carpet Company. Rug. No. 44,853; Nov. 4; Gaz. vol. 196; p. 258.
- Mohr, Otto H., Kentfield, Cal. Lighting-fixture. No. 43,886; Apr. 22; Gaz. vol. 189; p. 1003.
- Mohr, Otto H., Kentfield, Cal. Lighting-fixture. No. 44,216; June 17; Gaz. vol. 191; p. 808.
- Mohr, Otto H., Kentfield, Cal., assignor to Mohrlite Company, San Francisco, Cal. Lighting-fixture. No. 44,409; July 29; Gaz. vol. 192; p. 1240.
- Mohr, William C., assignor of one-half to Daniel Dunn, Pittsburgh, Pa. Lady's rubber. No. 44,574; Aug. 26; Gaz. vol. 193; p. 989.
- Mohrlite Company. (See Mohr, Otto H., assignor.)
- Monier, Frederick C., assignor to North & Judd Manufacturing Company, New Britain, Conn. Bridle-cheek. No. 44,771; Oct. 21; Gaz. vol. 195; p. 797.
- Moore, Anna M., *et al.*, trustees. (See Moore, Van Zandt M., assignor.)
- Moore, Mary S., *et al.*, trustees. (See Moore, Van Zandt M., assignor.)
- Moore, Menlo E., Chicago, Ill. Theatrical appliance. No. 44,317; July 8; Gaz. vol. 192; p. 497.
- Moore, Roswell A., Waterbury, Conn., assignor to Waterbury Buckle Company. Armband. No. 44,716; Oct. 7; Gaz. vol. 195; p. 260.
- Moore, Van Zandt M., Chicago, Ill., assignor to A. M. and M. S. Moore, Cleveland Heights, Ohio, trustees. Wheel. No. 44,318; July 8; Gaz. vol. 192; p. 497.
- Morat, Jacques, Yonkers, assignor to I. G. Johnson, New York, N. Y. Vehicle-wheel. No. 44,021; May 13; Gaz. vol. 190; p. 523.
- Morecroft, Frederick L., Syracuse, N. Y. Cut-glass vessel. No. 44,875; Nov. 11; Gaz. vol. 196; p. 507.
- Morris, William D., Youngstown, Ohio. Vehicle-tire. Nos. 44,854-5; Nov. 4; Gaz. vol. 196; p. 258.
- Mountford, Thomas, Newark, N. J., assignor to Blancard & Company, New York, N. Y. Base for gem-settings. No. 44,796; Oct. 28; Gaz. vol. 195; p. 1027.
- Mountford, Thomas, Newark, N. J., assignor to Blancard & Company, New York, N. Y. Setting for gems. No. 44,797; Oct. 28; Gaz. vol. 195; p. 1027.
- Mouton, Paul, Paris, France, assignor to Cheney Brothers, South Manchester, Conn. Textile fabric. No. 44,691; Sept. 23; Gaz. vol. 194; p. 931.
- Moyle, Edward H., Los Angeles, Cal. Stamp-mill frame. No. 44,575; Aug. 26; Gaz. vol. 193; p. 989.
- Mueller, Charles F., Elizabeth, N. J. Square-head-nail set. No. 45,049; Dec. 16; Gaz. vol. 197; p. 760.
- Munier, Emile, Jersey City, N. J., assignor to Pacific Mills, Boston, Mass. Textile fabric or wall-paper. Nos. 43,633-8; Feb. 25; Gaz. vol. 187; p. 1089.
- Munier, Emile, Jersey City, N. J., assignor to Pacific Mills, Boston, Mass. Printed textile fabric. Nos. 44,576-83; Aug. 26; Gaz. vol. 193; pp. 990-1.
- Murphy, James L., Chicago, Ill. Collar-support. No. 44,319; July 8; Gaz. vol. 192; p. 497.
- Murphy, Joseph, New York, N. Y. Clothes-line fastener. No. 44,730; Oct. 14; Gaz. vol. 195; p. 520.
- Murphy, Sarah L., assignor to Mayfair, Inc., New York, N. Y. Frame for table-tops. No. 44,584; Aug. 26; Gaz. vol. 193; p. 991.
- Murphy, William M., and J. J. Redner, said Murphy assignor to A. Alexander, New York, N. Y. Fly-trap. No. 44,344; July 15; Gaz. vol. 192; p. 721.

Alphabetical list of patentees of designs—Continued.

- Myers, Burton D., assignor to Simeon L. and George H. Rogers Company, Wallingford, Conn. Spoon, fork, or similar article. No. 43,805; Apr. 1; Gaz. vol. 189; p. 229.
- Myers, Burton D., assignor to Simeon L. and George H. Rogers Co., Wallingford, Conn. Spoon, fork, or similar article. No. 44,070; May 20; Gaz. vol. 190; p. 769.
- Mygatt, Otis A., New York, N. Y. Shade, reflector, or the like. No. 43,965; May 6; Gaz. vol. 190; p. 239.
- Mygatt, Otis A., New York, N. Y. Glass shade. No. 44,613; Sept. 2; Gaz. vol. 194; p. 257.
- Naco Co. (See Goodrich, Paul E., assignor.)
- Naja, Najeeb, New York, N. Y. Embroidered collar. No. 44,876; Nov. 11; Gaz. vol. 196; p. 507.
- Nash, Leslie H., New York, N. Y. Lamp-shade. No. 44,731; Oct. 14; Gaz. vol. 195; p. 520.
- National Society of the Children of the American Revolution. (See Kimbell, John L., Jr., assignor.)
- National X-Ray Reflector Company. (See Cravath, James R., assignor.)
- National X-Ray Reflector Company. (See Curtis, Augustus D., assignor.)
- Neal, Joseph H. (See Boyd and Neal.)
- Neerken, Adrian J., assignor to Packard Motor Car Company, Detroit, Mich. Vehicle-body. No. 43,966; May 6; Gaz. vol. 190; p. 239.
- Neff, August E., Chicago, Ill. Binding. No. 44,071; May 20; Gaz. vol. 190; p. 769.
- Nelson, Axel J., Chicago, Ill. Tie-clasp. No. 44,410; July 29; Gaz. vol. 192; p. 1240.
- Nelson, Baker & Company. (See Nelson, Edwin H., assignor.)
- Nelson, Charles, assignor to S. Sternau & Company, New York, N. Y. Vapor-lamp. No. 44,106; May 27; Gaz. vol. 190; p. 1006.
- Nelson, Charles O., Cleveland, Ohio. High-frequency electric cabinet. No. 44,892; Nov. 18; Gaz. vol. 196; p. 785.
- Nelson, Edwin H., assignor to Peninsular Chemical Company, Detroit, Mich. Bottle. No. 43,507; Feb. 4; Gaz. vol. 187; p. 212.
- Nelson, Edwin H., assignor to Nelson, Baker & Company, Detroit, Mich. Bottle. No. 44,217; June 17; Gaz. vol. 191; p. 808.
- Neuno, Joseph J., Olean, N. Y. Display-rack. No. 44,539; Aug. 19; Gaz. vol. 193; p. 732.
- Neracher, Carl A., assignor to The Willys-Overland Company, Cleveland, Ohio. Automobile-radiator. No. 44,179; June 10; Gaz. vol. 191; p. 566.
- Neracher, Carl A., assignor to The Willys-Overland Company, Toledo, Ohio. Casing for internal-combustion engines. No. 44,614; Sept. 2; Gaz. vol. 194; p. 257.
- Nerney, George E., Attleboro, Mass. Handle for pierced spoons, forks, or similar articles. Nos. 43,545-54; Feb. 11; Gaz. vol. 187; pp. 487-9.
- Nerney, George E., Attleboro, Mass. Handle for pierced spoons, forks, or similar articles. No. 43,576; Feb. 18; Gaz. vol. 187; p. 804.
- Nerney, George E., Attleboro, Mass. Spoon, fork, or similar article. No. 43,936; Apr. 29; Gaz. vol. 189; p. 1259.
- Nerney, George E., Attleboro, Mass. Handle for pierced spoons, forks, or similar articles. No. 44,022; May 13; Gaz. vol. 190; p. 523.
- Nerney, George E., Attleboro, Mass. Emblem. No. 44,487; Aug. 12; Gaz. vol. 193; p. 483.
- Nernst Lamp Company, The. (See Roffy, Joseph T., assignor.)
- Ness, Anna, Fulton, S. D. Sewing-rack. No. 44,538; Aug. 19; Gaz. vol. 193; p. 732.
- Never Skid Manufacturing Company. (See Cleaver and Corbin, assignors.)
- New Jersey Patent Company. (See Goetting, Karl F. G., assignor.)
- New Jersey Patent Company. (See Lewis, Frank D., assignor.)
- New York Button Works. (See Frenz, Walter, assignor.)
- Newbold, Eugene S., assignor to American Street Lighting Company, Baltimore, Md. Street-lamp. No. 44,450; Aug. 5; Gaz. vol. 193; p. 204.
- Newbold, Roger M., Chicago, Ill., assignor to The Adams & Westlake Company. Automobile-lamp. No. 44,449; Aug. 5; Gaz. vol. 193; p. 203.
- Newton, Robert P., and T. W. O'Keefe, Middletown, Conn. Candelabrum. No. 44,252; June 24; Gaz. vol. 191; p. 1048.
- Newton, William G., assignor to The Peck Bros. & Co., New Haven, Conn. Faucet. No. 44,107; May 27; Gaz. vol. 190; p. 1006.
- Newton, William G., assignor to The Peck Bros. & Co., New Haven, Conn. Water-closet-bowl. No. 44,180; June 10; Gaz. vol. 191; p. 566.
- Newton, William R., Ingleside, Ill. Rocking toy. No. 44,345; July 15; Gaz. vol. 192; p. 721.
- Nidermajer, Antal, Rossford, Ohio. Fruit-stand. No. 43,675; Mar. 4; Gaz. vol. 188; p. 221.
- Noke, Charles J., Stoke-upon-Trent, England, assignor to W. S. Pitcairn, East Orange, N. J. Plate. No. 43,555; Feb. 11; Gaz. vol. 187; p. 490.
- Nolan, James H., Rockford, Ill. Hammer. No. 43,639; Feb. 25; Gaz. vol. 187; p. 1090.
- Nolte, Frank, Akron, Ohio. Tire. No. 44,253; June 24; Gaz. vol. 191; p. 1048.
- Nonaka, Kojiro, New York, N. Y. Textile fabric. No. 43,773; Apr. 1; Gaz. vol. 189; p. 222.
- Nones, Joseph A., New York, N. Y., assignor to J. Hungerford Smith Company, Rochester, N. Y. Show-case. No. 43,887; Apr. 22; Gaz. vol. 189; p. 1003.
- Norden, Mortimer, assignor to Electric Carriage Call & Specialty Company, New York, N. Y. Electric sign. No. 44,254; June 24; Gaz. vol. 191; p. 1048.
- North American Lace Company. (See Watters, Charles J., assignor.)
- North Bro's. M'fg. Co. (See Leopold, George O., assignor.)
- North & Judd Manufacturing Company. (See Monier, Frederick C., assignor.)
- North Western Novelty Company. (See Bolen, Emerson A., assignor.)
- O'Brien, John J., Coalinga, Cal. Liquid dropper and pourer. No. 43,474; Jan. 21; Gaz. vol. 186; p. 777.
- O'Keefe, Thomas W. (See Newton and O'Keefe.)
- Offenbacher, Emil, Marktreidwitz, Germany. Decorative sheet-glass representing glass panels. No. 44,933; Nov. 25; Gaz. vol. 196; p. 1027.
- Olcott, Frank N., assignor to Black and Boyd Manufacturing Company, New York, N. Y. Electric bracket. Nos. 43,888-91; Apr. 22; Gaz. vol. 189; pp. 1003-4.
- Olcott, Frank N., assignor to Black & Boyd Manufacturing Company, New York, N. Y. Electric bracket. No. 44,181; June 10; Gaz. vol. 191; p. 566.
- Oneida Community. (See Allen, Grosvenor N., assignor.)
- Onken, Oscar F., Cincinnati, Ohio. Display-fixture. No. 44,585; Aug. 26; Gaz. vol. 193; p. 991.
- Onondaga Pottery Company. (See Wagner, William S., assignor.)
- Onondaga Pottery Company. (See Walter, Elmer E., assignor.)
- Onondaga Pottery Company. (See Wigley, John T., assignor.)
- Orr, Helen T., Newton, Mass. Statuette or effigy of a dog. No. 43,577; Feb. 18; Gaz. vol. 187; p. 804.
- Ottinger, Simon, New York, N. Y. Woman's suit. No. 43,774; Apr. 1; Gaz. vol. 189; p. 223.
- Overbrook Carpet Company. (See Gledhill, David F., assignor.)
- Owen, Raymond V., assignor to St. Louis Brass Manufacturing Company, St. Louis, Mo. Lighting-fixture. No. 43,676; Mar. 4; Gaz. vol. 188; p. 221.
- Owen, Raymond V., assignor to St. Louis Brass Manufacturing Company, St. Louis, Mo. Canopy or reflector for artificial light. No. 43,967; May 6; Gaz. vol. 190; p. 239.
- Owen, Richard W., Milwaukee, Wis. Leather or like material. No. 44,772; Oct. 21; Gaz. vol. 195; p. 797.
- Owen, William T., Baltimore, Md., assignor to Fostoria Glass Company, Moundsville, W. Va. Glass vessel. No. 44,381; July 22; Gaz. vol. 192; p. 969.
- Pacific Mills. (See Forestier, Gustave, assignor.)
- Pacific Mills. (See Foster, Winfred C., assignor.)
- Pacific Mills. (See Hartman, Eugene, assignor.)
- Pacific Mills. (See Hoch, Ernest, assignor.)
- Pacific Mills. (See Korzinek, William C., assignor.)
- Pacific Mills. (See Munier, Emile, assignor.)
- Pacific Mills. (See Schaezel, Francois J., assignor.)
- Packard Motor Car Company. (See Estep, Edwin R., assignor.)
- Packard Motor Car Company. (See Hunt, Ormond E., assignor.)
- Packard Motor Car Company. (See Neerken, Adrian J., assignor.)
- Packard Motor Car Company. (See Tibbetts, Milton, assignor.)
- Packard Motor Car Company. (See Waldon, Sidney D., assignor.)
- Page, George M., assignor to The Haydenville Company, Haydenville, Mass. Drinking-fountain. Nos. 44,320-1; July 8; Gaz. vol. 192; p. 497.
- Panama-Pacific International Exposition Co. (See Lenz, Alfred D., assignor.)
- Panama-Pacific International Exposition Co. (See Matthews, Lucia K., assignors.)
- Panama-Pacific International Exposition Company. (See Pomeroy, George, assignor.)
- Park & Tilford. (See Leikauf, John E., assignor.)
- Parker Clock Company, The. (See Wachtelhausen, Henry W., assignor.)
- Parker, Frank O., Washington, D. C., assignor of two-fifths to F. C. Smith, Waterbury, Conn. Vacuum massage device. No. 43,892; Apr. 22; Gaz. vol. 189; p. 1004.
- Parker, Joseph R., New York, N. Y. Bathing-cap. No. 43,849; Apr. 15; Gaz. vol. 189; p. 755.
- Parker, Russell, New York, assignor to Parker, Stearns & Company, Brooklyn, N. Y. Rubber bathing-cap. No. 43,556; Feb. 11; Gaz. vol. 187; p. 490.
- Parker, Stearns & Company. (See Parker, Russell, assignor.)
- Parkinson, Edwin, Ridgefield Park, N. J., assignor to David E. Kennedy, Incorporated. Tile. No. 44,108; May 27; Gaz. vol. 190; p. 1006.
- Parks, Joseph T. (See Hoover, William D., assignor.)

Alphabetical list of patentees of designs—Continued.

- Parrott, Mary J. and S., Hotchkiss, Colo. Shoe ornament. No. 43,824; Apr. 8; Gaz. vol. 189; p. 497.
- Parrott, Samuel. (See Parrott, Mary J. and S.)
- Partridge, Parmenas W., Andover, Mass. Plate or similar article. No. 44,488; Aug. 12; Gaz. vol. 193; p. 483.
- Passow & Sons. (See Lobstein, John G., Jr., assignor.)
- Paul, William J., Pittsburgh, Pa. Vending-machine case. No. 44,615; Sept. 2; Gaz. vol. 194; p. 257.
- Paull, James, and J. L. Fusner, assignors to Eagle Glass & Manufacturing Company, Wellsburg, W. Va. Watch-shaped receptacle. No. 43,825; Apr. 8; Gaz. vol. 189; p. 497.
- Pauly, Nicholas J., Dubuque, Iowa. Envelop. No. 45,017; Dec. 9; Gaz. vol. 197; p. 507.
- Paye & Baker Manufacturing Company. (See Snow, Ralph L., assignor.)
- Payne, Thomas F., Pittsburgh, Pa. Closet-bowl. No. 43,850; Apr. 15; Gaz. vol. 189; p. 755.
- Payne, Thomas F., Pittsburgh, Pa. Closet-bowl. No. 44,489; Aug. 12; Gaz. vol. 193; p. 483.
- Peck Bros. & Co., The. (See Newton, William G., assignor.)
- Peck, Eugene H., New York, N. Y., assignor to Phoenix Glass Co., Pittsburgh, Pa. Lamp-shade. Nos. 44,255-6; June 24; Gaz. vol. 191; p. 1048.
- Peerless Accessories Manufacturers. (See Sloane and Richmond, assignors.)
- Peerless Check Protecting Company. (See Sampson, Charles H., assignor.)
- Peerless Motor Car Company, The. (See Wadsworth, George R., assignor.)
- Peet Brothers. (See Hafner, Emma, assignor.)
- Pegel, Julius G., assignor to The Hartford Carpet Corporation, Thompsonville, Conn. Carpet or rug. Nos. 43,775-8; Apr. 1; Gaz. vol. 189; p. 223.
- Pegel, Julius G., assignor to The Hartford Carpet Corporation, Thompsonville, Conn. Carpet or rug. No. 43,937; Apr. 29; Gaz. vol. 189; p. 1259.
- Pegel, Julius G., assignor to The Hartford Carpet Corporation, Thompsonville, Conn. Carpet or rug. No. 44,023; May 13; Gaz. vol. 190; p. 523.
- Pegel, Julius G., assignor to Hartford Carpet Corporation, Thompsonville, Conn. Carpet or rug. Nos. 44,641-3; Sept. 9; Gaz. vol. 194; pp. 527-8.
- Pegel, Julius G., assignor to Hartford Carpet Corporation, Thompsonville, Conn. Carpet or rug. Nos. 44,893-6; Nov. 18; Gaz. vol. 196; pp. 785-6.
- Pelouze, William N., Chicago, Ill. Electric flat-iron. No. 43,508; Feb. 4; Gaz. vol. 187; p. 212.
- Penberthy Injector Company. (See McClymont, Bryce W., assignor.)
- Peninsular Chemical Company. (See Nelson, Edwin H., assignor.)
- Penney, Harold D., Pelham, N. Y., assignor to The St. Mungo Manufacturing Company of America, Newark, N. J. Golf-ball. No. 44,109; May 27; Gaz. vol. 190; p. 1006.
- Perillat, Marie, assignor to Ye Lady's Outfitterie, New York, N. Y. Bust-reducer brassière. No. 44,411; July 29; Gaz. vol. 192; p. 1240.
- Perrin, John G., Detroit, Mich. Wind-shield. No. 43,475; Jan. 21; Gaz. vol. 186; p. 778.
- Perrin, John G., Detroit, Mich. Hood for automobile-engines. No. 44,382; July 22; Gaz. vol. 192; p. 969.
- Perry, Joseph M., Meridian, Miss. Display-rack. No. 44,666; Sept. 16; Gaz. vol. 194; p. 733.
- Persson, Paul, Chicago, Ill. Garbage-receptacle. No. 44,110; May 27; Gaz. vol. 190; p. 1006.
- Peters, John B., assignor to The Electric Auto-Lite Company, Toledo, Ohio. Engine, gear-case, and starter-frame. No. 43,826; Apr. 8; Gaz. vol. 189; p. 498.
- Peterson, Alex., Minneapolis, Minn. Paper-knife. No. 44,934; Nov. 25; Gaz. vol. 196; p. 1027.
- Peterson, Clarence A., Washington, D. C., assignor to Welsbach Light Company, Gloucester City, N. J. Inverted gas-burner. No. 43,677; Mar. 4; Gaz. vol. 188; p. 221.
- Peterson, Johann G., assignor to Manhattan Electrical Supply Company, Jersey City, N. J. Handle for electric switches. No. 44,935; Nov. 25; Gaz. vol. 196; p. 1027.
- Pettyjohn, John M., Terre Haute, Ind. Street-light standard. No. 43,893; Apr. 22; Gaz. vol. 189; p. 1004.
- Petzold, Adolph, assignor to J. Bromley & Sons, Philadelphia, Pa. Rug. Nos. 43,428-35; Jan. 7; Gaz. vol. 186; pp. 271-2.
- Petzold, Adolph, assignor to J. Bromley & Sons, Philadelphia, Pa. Rug. No. 43,476; Jan. 21; Gaz. vol. 186; p. 778.
- Petzold, Adolph, assignor to J. Bromley & Sons, Philadelphia, Pa. Rug. Nos. 43,640-2; Feb. 25; Gaz. vol. 187; p. 1090.
- Petzold, Adolph, assignor to J. Bromley & Sons, Philadelphia, Pa. Rug. Nos. 44,257-9; June 24; Gaz. vol. 191; p. 1049.
- Petzold, Adolph, assignor to J. Bromley & Sons, Philadelphia, Pa. Rug. Nos. 44,284-7; July 1; Gaz. vol. 192; pp. 198-9.
- Petzold, Adolph, assignor to J. Bromley & Sons, Philadelphia, Pa. Rug. Nos. 44,490-3; Aug. 12; Gaz. vol. 193; pp. 483-4.
- Petzold, Adolph, assignor to J. Bromley & Sons, Philadelphia, Pa. Rug. No. 44,667; Sept. 16; Gaz. vol. 194; p. 733.
- Petzold, Adolph, assignor to J. Bromley & Sons, Philadelphia, Pa. Rug. Nos. 44,856-8; Nov. 4; Gaz. vol. 196; p. 258.
- Petzold, Adolph, assignor to J. Bromley & Sons, Philadelphia, Pa. Rug. Nos. 44,965-7; Dec. 2; Gaz. vol. 197; p. 216.
- Petzold, Adolph, assignor to J. Bromley & Sons, Philadelphia, Pa. Rug. Nos. 45,067-70; Dec. 23; Gaz. vol. 197; p. 976.
- Pfaff, Franz, Altwasser, Germany, assignor to The Trenle China Company, East Liverpool, Ohio. Plate. No. 44,586; Aug. 26; Gaz. vol. 193; p. 991.
- Pfueger, Ernest A., Akron, Ohio. Buckle-shield. No. 44,412; July 29; Gaz. vol. 192; p. 1240.
- Pfouts, Leroy S., assignor to The Miller Pasteurizing Machine Company, Canton, Ohio. Support or stand for ice-cream freezers. No. 43,578; Feb. 18; Gaz. vol. 187; p. 804.
- Pfouts, Leroy S., assignor to The Miller Pasteurizing Machine Company, Canton, Ohio. Base for liquid-treating apparatus. No. 43,579; Feb. 18; Gaz. vol. 187; p. 805.
- Pfouts, Leroy S., assignor to The Miller Pasteurizing Machine Company, Canton, Ohio. Support or stand for ice-cream freezers. No. 43,580; Feb. 18; Gaz. vol. 187; p. 805.
- Phillips, George L., Newkirk, Okla. Button. No. 44,024; May 13; Gaz. vol. 190; p. 523.
- Phoenix Glass Co. (See Peck, Eugene H., assignor.)
- Pick, Hugo, Chicago, Ill. Drinking-glass. No. 44,616; Sept. 2; Gaz. vol. 194; p. 257.
- Pierce-Arrow Motor Car Company, The. (See Dawley, Herbert M., assignor.)
- Pimes, David M., Baltimore, Md. Combined folding bed and couch. No. 43,851; Apr. 15; Gaz. vol. 189; p. 755.
- Pitblado, James M., assignor to Minneapolis Steel & Machinery Co., Minneapolis, Minn. Street-lamp. No. 44,494; Aug. 12; Gaz. vol. 193; p. 484.
- Pitcairn, William S. (See Noke, Charles J., assignor.)
- Pitkin & Brooks. (See Feeney, William P., assignor.)
- Pittsburgh Lamp, Brass & Glass Company. (See Daving, Matthew, assignor.)
- Pittsburgh Lamp, Brass & Glass Company. (See Kopp, Nicholas, assignor.)
- Plaut, Herman, New York, N. Y. Electrolier. Nos. 45,018-20; Dec. 9; Gaz. vol. 197; p. 507.
- Polish Falcons Alliance of America. (See Wisniewski, Victor, assignor.)
- Pomeroy, George, assignor to Panama-Pacific International Exposition Company, San Francisco, Cal. Badge. No. 43,557; Feb. 11; Gaz. vol. 187; p. 490.
- Possons, Minard A., Cleveland, Ohio, assignor to American Stove Company, St. Louis, Mo. Gas heating-stove. No. 43,436; Jan. 7; Gaz. vol. 186; p. 272.
- Potomac Glass Company, The. (See Truog, George, Jr., assignor.)
- Potter, Albert M. (See Curwen and Potter.)
- Powell, Richard F. (See Medaris and Powell.)
- Pretat, Frederick E., Waterbury, Conn., assignor to International Silver Co., Meriden, Conn. Spoon, fork, or similar article. No. 43,745; Mar. 25; Gaz. vol. 188; p. 1032.
- Pretat, Frederick E., Waterbury, assignor to International Silver Co., Meriden, Conn. Handle for spoons, forks, or similar articles. No. 45,071; Dec. 23; Gaz. vol. 197; p. 977.
- Prims, Josef C., assignor to The A. J. Deer Co., Inc., Hornell, N. Y. Coffee-roaster frame. No. 44,540; Aug. 19; Gaz. vol. 193; p. 733.
- Proctor, Carrie M., Gloucester, Mass. Comb. No. 44,072; May 20; Gaz. vol. 190; p. 769.
- Puetz, John C., Hinsdale, Ill. Glass jar. No. 44,495; Aug. 12; Gaz. vol. 193; p. 484.
- Pusey, Elizabeth H., New York, N. Y. Luffa sponge. No. 44,218; June 17; Gaz. vol. 191; p. 808.
- Pyle-National Electric Headlight Company. (See Dake, Charles W., assignor.)
- Quade, Frank H., Jr., Fresno, Cal. Stand for printing-presses. No. 44,773; Oct. 21; Gaz. vol. 195; p. 797.
- Quaker Lace Company. (See Waterfield, James, assignor.)
- Quimby, Carl N., Arlington, Mass. Nose-guard for eyeglass-mounting. No. 44,322; July 8; Gaz. vol. 192; p. 497.
- Quimby, Charles O., Wakefield, Mass. Shoe-conformer. No. 44,111; May 27; Gaz. vol. 190; p. 1007.
- Quincy, Henry C., assignor to Towle Manufacturing Company, Newburyport, Mass. Fork or analogous article. No. 44,112; May 27; Gaz. vol. 190; p. 1007.
- R. E. Dietz Company. (See Betts, Charles L., assignor.)
- R. J. Reynolds Tobacco Company, The. (See Ackermann, George, assignor.)
- Raff, Jack, Chicago, Ill. Looking-glass and rack. No. 44,669; Sept. 16; Gaz. vol. 194; p. 733.
- Raleigh, Albert C., Helena, Mont. Lamp-post. No. 43,968; May 6; Gaz. vol. 190; p. 240.

Alphabetical list of patentees of designs—Continued.

- Rastetter, Harry O., assignor to The Union Metal Manufacturing Company, Canton, Ohio. Pedestal. No. 44,859; Nov. 4; Gaz. vol. 196; p. 259.
- Rastetter, Harry O., assignor to The Union Metal Manufacturing Company, Canton, Ohio. Head for lamp-standards. No. 44,860; Nov. 4; Gaz. vol. 196; p. 259.
- Ratliffe, William A., Chicago, Ill. Water-closet bowl. No. 43,746; Mar. 25; Gaz. vol. 188; p. 1033.
- Rauch & Lang Carriage Company, The. (See Lang, Charles E. J., assignor.)
- Rawlins, William T., Chicago, Ill., assignor to The Smith-Phillips China Company, East Liverpool, Ohio. Plate or similar article. Nos. 44,073-4; May 20; Gaz. vol. 190; p. 769.
- Raymond, Harry K., Akron, Ohio, assignor, by mesne assignments, to The B. F. Goodrich Company, New York, N. Y. Tire. Nos. 44,383-5; July 22; Gaz. vol. 192; p. 970.
- Raymond, Harry K., Akron, Ohio, assignor, by mesne assignments, to The B. F. Goodrich Company. Tire-tread. No. 45,050; Dec. 16; Gaz. vol. 197; p. 760.
- Ream-McBee Company. (See McBee, John L., assignor.)
- Recker, Adolph C., Oakville, assignor to Waterbury Mfg. Co., Waterbury, Conn. Shower-head. No. 43,894; Apr. 22; Gaz. vol. 189; p. 1004.
- Recker, Adolph C., Oakville, assignor to Waterbury Mfg. Co., Waterbury, Conn. Hot-water bottle. No. 43,895; Apr. 22; Gaz. vol. 189; p. 1004.
- Red Eagles Supreme Council. (See Hayes, Basil E., assignor.)
- Redington, William H., Evanston, Ill. Jug or similar article. No. 44,732; Oct. 14; Gaz. vol. 195; p. 520.
- Redlich, Alexander E., Chicago, Ill. Bottle. No. 43,827; Apr. 8; Gaz. vol. 189; p. 498.
- Redner, John J. (See Murphy and Redner.)
- Reese, Wirt M., Cleveland, Ohio. Casket handle-plate. No. 44,936; Nov. 25; Gaz. vol. 196; p. 1028.
- Reinbold & Company. (See Fischer, Joseph, assignor.)
- Reis, Julius M., New York, N. Y. Embroidery foundation. Nos. 43,938-9; Apr. 29; Gaz. vol. 189; p. 1259.
- Reis, Julius M., New York, N. Y. Embroidery foundation. Nos. 44,133-50; June 3; Gaz. vol. 191; pp. 268-70.
- Remde, Edward H., assignor to The Baker Motor Vehicle Company, Cleveland, Ohio. Vehicle-body. No. 45,021; Dec. 9; Gaz. vol. 197; p. 507.
- Reynolds, Samuel W., Toledo, Ohio. Snap-hook body. No. 44,288; July 1; Gaz. vol. 192; p. 199.
- Rhader, Emma, Ashland, Ohio. Globe. No. 43,969; May 6; Gaz. vol. 190; p. 240.
- Rhoades, Alonzo E., assignor to Draper Company, Hopedale, Mass. Tension-pulley holder. No. 43,581; Feb. 18; Gaz. vol. 187; p. 805.
- Rhoades, Alonzo E., assignor to Draper Company, Hopedale, Mass. Hopper disk or head. No. 44,151; June 3; Gaz. vol. 191; p. 270.
- Rice's Sons, Bernard. (See Hopkins, Clifford W., assignor.)
- Richards, Homer J., assignor to The L. & M. Rubber Company, Carrollton, Ohio. Vehicle-tire. No. 43,701; Mar. 11; Gaz. vol. 188; p. 491.
- Richmond, Norman S. (See Sloane and Richmond.)
- Richter, Victor F., Providence, R. I. Cup. No. 44,541; Aug. 19; Gaz. vol. 193; p. 733.
- Riddell, Robert F., Flushing, N. Y., assignor to Bigelow Carpet Company. Rug. No. 43,477; Jan. 21; Gaz. vol. 186; p. 778.
- Riddell, Robert F., Flushing, N. Y., assignor to Bigelow Carpet Company. Rug. No. 43,643; Feb. 25; Gaz. vol. 187; p. 1090.
- Riddell, Robert F., Flushing, N. Y., assignor to Bigelow Carpet Company. Rug. No. 43,779; Apr. 1; Gaz. vol. 189; p. 223.
- Riddell, Robert F., Flushing, N. Y., assignor to Bigelow Carpet Company. Carpet. No. 43,780; Apr. 1; Gaz. vol. 189; p. 224.
- Riddell, Robert F., Flushing, N. Y., assignor to Bigelow Carpet Company. Carpet. No. 44,219; June 17; Gaz. vol. 191; p. 808.
- Riddell, Robert F., Flushing, N. Y., assignor to Bigelow Carpet Company. Rug. Nos. 44,798-805; Oct. 28; Gaz. vol. 195; pp. 1028-9.
- Riddell, Robert F., Flushing, N. Y., assignor to Bigelow Carpet Company. Carpet. No. 44,806; Oct. 28; Gaz. vol. 195; p. 1029.
- Riddell, Robert F., Flushing, N. Y., assignor to Bigelow Carpet Company. Rug. No. 44,807; Oct. 28; Gaz. vol. 195; p. 1030.
- Riddell, Robert F., Flushing, N. Y., assignor to Bigelow Carpet Company. Rug. Nos. 44,861-3; Nov. 4; Gaz. vol. 196; p. 259.
- Riddell, Robert F., Flushing, N. Y., assignor to Bigelow Carpet Company. Carpet. Nos. 44,968-70; Dec. 2; Gaz. vol. 197; p. 217.
- Ridgway, Edward J. (See Wadsworth, John W., assignor.)
- Rieman, Louis. (See Lake, John L., assignor.)
- Rikard, William B., Prosperity, S. C. Clock-case. No. 44,670; Sept. 16; Gaz. vol. 194; p. 733.
- Riley, Hugh J., Fort Shafter, Honolulu, Hawaii. Table. No. 44,710; Sept. 30; Gaz. vol. 194; p. 1124.
- Ripley & Company. (See Ripley, Daniel C., assignor.)
- Ripley, Daniel A., Pittsburgh, Pa. Jar. Nos. 44,182-3; June 10; Gaz. vol. 191; pp. 566-7.
- Ripley, Daniel C., assignor to Ripley & Company, Pittsburgh, Pa. Jar. No. 43,509; Feb. 4; Gaz. vol. 187; p. 212.
- Rixson, Oscar C., New Rochelle, N. Y. Pair of hinge-knuckles. No. 44,346; July 15; Gaz. vol. 192; p. 721.
- Robbins, Meyer L., New York, N. Y. Sewing-thimble. No. 43,828; Apr. 8; Gaz. vol. 189; p. 498.
- Robbins, Meyer L., New York, N. Y. Expandable chain. Nos. 43,940-4; Apr. 29; Gaz. vol. 189; pp. 1259-60.
- Robbins, Meyer L., New York, N. Y. Bracelet. Nos. 44,542-5; Aug. 19; Gaz. vol. 193; p. 733.
- Robbins, Meyer L., New York, N. Y. Cut gem. No. 44,937; Nov. 25; Gaz. vol. 196; p. 1028.
- Roberts, Frank C., Nashville, Tenn. Combined hat-rack and umbrella-stand. No. 44,711; Sept. 30; Gaz. vol. 194; p. 1125.
- Robertshaw, Wilfred L., Lawrence, Mass. Device for tamping tobacco in pipe-bowls. No. 43,450; Jan. 14; Gaz. vol. 186; p. 537.
- Rochester Stamping Company. (See Swan, Alfred H. S., assignor.)
- Rockford Silver Plate Company. (See Littlefield, Lemuel A., assignor.)
- Rodgers, William M. (See Sargent, John H., assignor.)
- Roff, Joseph T., Chicago, Ill., assignor to The Nernst Lamp Company. Sign-projector. Nos. 43,644-5; Feb. 25; Gaz. vol. 187; pp. 1090-1.
- Rogers, Lunt & Bowlen Company. (See Selkirk, Charles, assignor.)
- Rogers, Ralph F., Chicago, Ill. Motor-cycle carriage-body. No. 43,678; Mar. 4; Gaz. vol. 188; p. 222.
- Rohrbeck, John E., West Hoboken, N. J. Mirror-plateau. No. 44,113; May 27; Gaz. vol. 190; p. 1007.
- Romanoff, Hippolyt, St. Petersburg, Russia. Combined cupboard and folding writing-table. No. 44,617; Sept. 2; Gaz. vol. 194; p. 258.
- Rosenbaum, Louis, New York, N. Y. Sad-iron. No. 44,546; Aug. 19; Gaz. vol. 193; p. 734.
- Ross, Frank A., assignor to Stewart-Warner Speedometer Corporation, Chicago, Ill. Casing for travel-indicators for vehicles. No. 44,618; Sept. 2; Gaz. vol. 194; p. 258.
- Ross, Oscar A., Rochester, N. Y. Relay-casing. No. 44,323; July 8; Gaz. vol. 192; p. 498.
- Rothschild, Maurice J., New York, N. Y., assignor to Rothschild-Seaman Company, Milwaukee, Wis. Automobile-body. No. 43,679; Mar. 4; Gaz. vol. 188; p. 222.
- Rothschild-Seaman Company. (See Rothschild, Maurice J., assignor.)
- Rothschild, Walter L., New York, N. Y. Button. No. 43,970; May 6; Gaz. vol. 190; p. 240.
- Rothschild, Walter L., New York, N. Y. Button. No. 44,413; July 29; Gaz. vol. 192; p. 1241.
- Rowland, Edward J., assignor to Dugan Glass Company, Indiana, Pa. Toy candy-box. No. 45,094; Dec. 30; Gaz. vol. 197; p. 1272.
- Royal Metal Manufacturing Company. (See Travers, Charles J., assignor.)
- Rubino, Joseph, Orange, assignor to Thomas A. Edison, Incorporated, West Orange, N. J. Cabinet. No. 43,896; Apr. 22; Gaz. vol. 189; p. 1004.
- Ruepp, Robert, Paris, France, assignor to Cheney Brothers, South Manchester, Conn. Textile fabric. No. 44,025; May 13; Gaz. vol. 190; p. 524.
- Ryan, James A., Newark, N. J. Hand-seal-press body. No. 43,702; Mar. 11; Gaz. vol. 188; p. 491.
- Ryan, Walter D., North Adams, Mass., assignor to General Electric Company. Lamp-fixture. No. 43,646; Feb. 25; Gaz. vol. 187; p. 1091.
- Safar, James C., Seattle, Wash. Casing for massage-vibrators. No. 43,807; Apr. 1; Gaz. vol. 189; p. 229.
- Safety Car Heating & Lighting Company. (See Allbee, Elmer E., assignor.)
- Safety Car Heating & Lighting Company. (See Schepmoes, Lindsley, assignor.)
- Sampson, Charles H., assignor to Peerless Check Protecting Company, Rochester, N. Y. Casing for check-printing apparatus. No. 44,587; Aug. 26; Gaz. vol. 193; p. 992.
- Sanford, Andrew J., Newark, Ohio. Bowl or nappy. Nos. 44,938-9; Nov. 25; Gaz. vol. 196; p. 1028.
- Sanford, Andrew J., assignor to A. H. Heisey & Co., Newark, Ohio. Jar. No. 43,437; Jan. 7; Gaz. vol. 186; p. 272.
- Sanford, Andrew J., assignor to A. H. Heisey & Co., Newark, Ohio. Tumbler. No. 43,703; Mar. 11; Gaz. vol. 188; p. 492.
- Sanford, Andrew J., assignor to A. H. Heisey & Co., Newark, Ohio. Salt-shaker. No. 43,781; Apr. 1; Gaz. vol. 189; p. 224.
- Sanford, Andrew J., assignor to A. H. Heisey & Co., Newark, Ohio. Nappy. No. 43,852; Apr. 15; Gaz. vol. 189; p. 755.
- Sanford, Andrew J., assignor to A. H. Heisey & Co., Newark, Ohio. Cruet. No. 43,853; Apr. 15; Gaz. vol. 189; p. 755.
- Sanford, Andrew J., assignor to A. H. Heisey & Co., Newark, Ohio. Pitcher. No. 43,854; Apr. 15; Gaz. vol. 189; p. 756.

Alphabetical list of patentees of designs—Continued.

- Sanford, Andrew J., assignor to A. H. Helsey & Co., Newark, Ohio. Molasses-jug. No. 44,026; May 13; Gaz. vol. 190; p. 524.
- Sargent, John H., assignor of one-half to William M. Rodgers, Phillipsburg, N. J. Game-board. No. 44,588; Aug. 26; Gaz. vol. 193; p. 992.
- Sauer, Emil G., Richmond Hill, N. Y., assignor to Bigelow Carpet Company. Rug. Nos. 43,478-80; Jan. 21; Gaz. vol. 186; pp. 778-9.
- Sauer, Emil G., Richmond Hill, N. Y., assignor to Bigelow Carpet Company. Carpet. No. 43,481; Jan. 21; Gaz. vol. 186; p. 779.
- Sauer, Emil G., Richmond Hill, N. Y., assignor to Bigelow Carpet Company. Rug. Nos. 43,647-8; Feb. 25; Gaz. vol. 187; p. 1091.
- Sauer, Emil G., Richmond Hill, N. Y., assignor to Bigelow Carpet Company. Rug. Nos. 43,897-904; Apr. 22; Gaz. vol. 189; pp. 1005-6.
- Sauer, Emil G., Richmond Hill, N. Y., assignor to Bigelow Carpet Company. Rug-border. No. 43,905; Apr. 22; Gaz. vol. 189; p. 1007.
- Sauer, Emil G., Richmond Hill, N. Y., assignor to Bigelow Carpet Company. Rug. No. 44,027; May 13; Gaz. vol. 190; p. 524.
- Sauer, Emil G., Richmond Hill, N. Y., assignor to Bigelow Carpet Company. Carpet. No. 44,028; May 13; Gaz. vol. 190; p. 524.
- Sauer, Emil G., Richmond Hill, N. Y., assignor to Bigelow Carpet Company. Rug. No. 44,029; May 13; Gaz. vol. 190; p. 524.
- Sauer, Emil G., Richmond Hill, N. Y., assignor to Bigelow Carpet Company. Carpet. No. 44,030; May 13; Gaz. vol. 190; p. 524.
- Sauer, Emil G., Richmond Hill, N. Y., assignor to Bigelow Carpet Company. Rug. No. 44,031; May 13; Gaz. vol. 190; p. 525.
- Sauer, Emil G., Richmond Hill, N. Y., assignor to Bigelow Carpet Company. Rug. No. 44,220; June 17; Gaz. vol. 191; p. 809.
- Sauer, Emil G., Richmond Hill, N. Y., assignor to Bigelow Carpet Company. Carpet. Nos. 44,289-90; July 1; Gaz. vol. 192; p. 199.
- Sauer, Emil G., Richmond Hill, N. Y., assignor to Bigelow Carpet Company. Rug. Nos. 44,291-4; July 1; Gaz. vol. 192; pp. 199-200.
- Sauer, Emil G., Richmond Hill, N. Y., assignor to Bigelow Carpet Company. Carpet. No. 44,295; July 1; Gaz. vol. 192; p. 200.
- Sauer, Emil G., Richmond Hill, N. Y., assignor to Bigelow Carpet Company. Rug. Nos. 44,808-17; Oct. 28; Gaz. vol. 195; pp. 1030-1.
- Sauer, Emil G., Richmond Hill, N. Y., assignor to Bigelow Carpet Company. Carpet. No. 44,897; Nov. 18; Gaz. vol. 196; p. 786.
- Sauer, Emil G., Richmond Hill, N. Y., assignor to Bigelow Carpet Company. Rug. Nos. 44,898-900; Nov. 18; Gaz. vol. 196; pp. 786-7.
- Sauer, Emil G., Richmond Hill, N. Y., assignor to Bigelow Carpet Company. Rug. Nos. 44,971-2; Dec. 2; Gaz. vol. 197; p. 217.
- Sauer, Emil G., Richmond Hill, N. Y., assignor to Bigelow Carpet Company. Carpet. Nos. 44,973-6; Dec. 2; Gaz. vol. 197; p. 218.
- Sauer, Emil G., Richmond Hill, N. Y., assignor to Bigelow Carpet Company. Rug. No. 44,977; Dec. 2; Gaz. vol. 197; p. 218.
- Sauer, Emil G., Richmond Hill, N. Y., assignor to Bigelow Carpet Company. Carpet. No. 49,978; Dec. 2; Gaz. vol. 197; p. 218.
- Sauer, Emil G., Richmond Hill, N. Y., assignor to Bigelow Carpet Company. Carpet. Nos. 45,072-5; Dec. 23; Gaz. vol. 197; p. 977.
- Saunders, Albert F., Syracuse, assignor to T. N. Benedict Mfg. Co., East Syracuse, N. Y. Spoon. No. 44,184; June 10; Gaz. vol. 191; p. 567.
- Sauze, Edwin E., Walla Walla, Wash. Calculator. No. 43,451; Jan. 14; Gaz. vol. 186; p. 537.
- Savage, Linnaeus T., New York, N. Y. Match-safe. No. 44,451; Aug. 5; Gaz. vol. 193; p. 204.
- Sayers & Scovill Company, The. (See Meyer, John M., Jr., assignor.)
- Sayers, William E., assignor to The Hartford Carpet Corporation, Thompsonville, Conn. Carpet or rug. No. 43,809; Apr. 1; Gaz. vol. 189; p. 230.
- Sayers, William E., assignor to The Hartford Carpet Corporation, Thompsonville, Conn. Carpet or rug. Nos. 43,945-7; Apr. 29; Gaz. vol. 189; p. 1260.
- Sayers, William E., assignor to Hartford Carpet Corporation, Thompsonville, Conn. Carpet or rug. Nos. 44,032-3; May 13; Gaz. vol. 190; p. 525.
- Sayers, William E., assignor to Hartford Carpet Corporation, Thompsonville, Conn. Carpet or rug. Nos. 44,260-1; June 24; Gaz. vol. 191; p. 1049.
- Sayers, William E., assignor to Hartford Carpet Corporation, Thompsonville, Conn. Carpet or rug. No. 44,644; Sept. 9; Gaz. vol. 194; p. 528.
- Sayers, William E., assignor to Hartford Carpet Corporation, Thompsonville, Conn. Carpet or rug. Nos. 44,901-4; Nov. 18; Gaz. vol. 196; pp. 787-8.
- Schaefer, Adolph O., New York, N. Y. Lever for tightening saw-blades. No. 44,414; July 29; Gaz. vol. 192; p. 1241.
- Schaefer, William P., Philadelphia, Pa. Sweat-band. No. 44,940; Nov. 25; Gaz. vol. 196; p. 1028.
- Schaetzel, François J., Stapleton, N. Y., assignor to Pacific Mills, Boston, Mass. Textile fabric or wall-paper. Nos. 43,649-51; Feb. 25; Gaz. vol. 187; pp. 1091-2.
- Scharl, John, New York, N. Y. Pencil-tip. No. 44,818; Oct. 28; Gaz. vol. 195; p. 1032.
- Schenck, Ernest G. H., New York, N. Y. Cut stone. No. 43,724; Mar. 18; Gaz. vol. 188; p. 790.
- Schepmoes, Lindsley, Hasbrouck Heights, N. J., assignor to Safety Car Heating & Lighting Company. Light-fixture. No. 43,652; Feb. 25; Gaz. vol. 187; p. 1092.
- Schepmoes, Lindsley, Hasbrouck Heights, N. J., assignor to The Safety Car Heating & Lighting Company. Berth-lamp. Nos. 44,185-6; June 10; Gaz. vol. 191; p. 567.
- Schertz, Joseph A., Marquette, Nebr. Combination wire stretcher and cutter. No. 43,747; Mar. 25; Gaz. vol. 188; p. 1033.
- Scheuer, Jacob H., New York, N. Y. Tillet-brush. Nos. 44,415-19; July 29; Gaz. vol. 192; p. 1241.
- Schick, Gottfried, Tampa, Kans. Clock-shelf. No. 44,496; Aug. 12; Gaz. vol. 193; p. 484.
- Schick, Gottfried, Tampa, Kans. Plate-rack. No. 45,022; Dec. 9; Gaz. vol. 197; p. 508.
- Schindler, Francis, Scarsdale, N. Y., assignor to Bigelow Carpet Company. Rug. No. 43,653; Feb. 25; Gaz. vol. 187; p. 1092.
- Schindler, Francis, Scarsdale, N. Y., assignor to Bigelow Carpet Company. Carpet. No. 44,819; Oct. 28; Gaz. vol. 195; p. 1032.
- Schindler, Francis, Scarsdale, N. Y., assignor to Bigelow Carpet Company. Rug. No. 44,820; Oct. 28; Gaz. vol. 195; p. 1032.
- Schindler, Francis, Scarsdale, N. Y., assignor to Bigelow Carpet Company. Carpet. No. 44,905; Nov. 18; Gaz. vol. 196; p. 788.
- Schindler, Francis, Scarsdale, N. Y., assignor to Bigelow Carpet Company. Rug. Nos. 44,906-7; Nov. 18; Gaz. vol. 196; p. 788.
- Schindler, Francis, Scarsdale, N. Y., assignor to Bigelow Carpet Company. Carpet. Nos. 44,980-1; Dec. 2; Gaz. vol. 197; p. 219.
- Schinkal, Mayme K., Cincinnati, Ohio. Medicinal tablet. No. 43,829; Apr. 8; Gaz. vol. 189; p. 498.
- Schleicher, William A., Cleveland, Ohio. License-tag. Nos. 43,681-3; Mar. 4; Gaz. vol. 188; p. 222.
- Schleicher, William A., Cleveland, Ohio. Buckle. No. 44,075; May 20; Gaz. vol. 190; p. 770.
- Schmid, Ernest E., Jamaica, N. Y. Protection-board bracket. No. 44,979; Dec. 2; Gaz. vol. 197; p. 219.
- Schmidt, Henry O., New Britain, Conn., assignor to Tiffany Studios, New York, N. Y. Glass panel for lamp-shades or similar articles. No. 43,582; Feb. 18; Gaz. vol. 187; p. 805.
- Schoenhardt, Frederick P., assignor to Edward Miller & Company, Meriden, Conn. Panel for lamp shades, domes, and the like. No. 44,671; Sept. 16; Gaz. vol. 194; p. 734.
- Schofield, Charles M., Marion, Ind., assignor to Sheldon-Foster Glass Company, Chicago Heights, Ill. Bottle. No. 43,782; Apr. 1; Gaz. vol. 189; p. 224.
- Schofield, Mason & Co. (See Chadwick, John H., assignor.)
- Schofield, Mason & Co. (See Hunt, Harry H., assignor.)
- Schraivogel, Franz. St. Albans, England. Vehicle-wheel. No. 44,497; Aug. 12; Gaz. vol. 193; p. 484.
- Schramm, Adolph W., Riverton, N. J., and E. B. Wilford, Merion, assignors to Electro Dental Manufacturing Company, Philadelphia, Pa. Switchboard-mounting. No. 43,725; Mar. 18; Gaz. vol. 188; p. 790.
- Schramm, Adolph W., Riverton, N. J., and E. B. Wilford, Merion, assignors to Electro Dental Manufacturing Company, Philadelphia, Pa. Switchboard. No. 43,830; Apr. 8; Gaz. vol. 189; p. 498.
- Schreiber, Samuel H., New York, N. Y. Ornamental stock for combs or similar articles. No. 43,906; Apr. 22; Gaz. vol. 189; p. 1007.
- Schroff, Hermann, New York, N. Y., and C. J. Cronk, Weehawken, N. J., assignors to Elms & Sellon, New York, N. Y. Textile fabric. No. 43,831; Apr. 8; Gaz. vol. 189; p. 498.
- Schumacher, Gerard, Anniston, Ala. Light-cluster for street lamps or posts. No. 43,482; Jan. 21; Gaz. vol. 186; p. 779.
- Schwahn, Rudolph A., Eau Claire, Wis. Trace-carrier. No. 43,558; Feb. 11; Gaz. vol. 187; p. 490.
- Schwahn, Rudolph A., Eau Claire, Wis. Shield-buckle. No. 44,941; Nov. 25; Gaz. vol. 196; p. 1029.
- Schwarber, Henry, Weehawken, assignor to Inflexible Co., West New York, N. J. Collar. No. 44,547; Aug. 19; Gaz. vol. 193; p. 734.
- Schwarz, Otto C., New Chicago, Ind. Toy castle. No. 44,877; Nov. 11; Gaz. vol. 196; p. 507.
- Schwenke, Albert, Houston, Tex. Child's Quaker bonnet. No. 45,076; Dec. 23; Gaz. vol. 197; p. 977.
- Scognamiglio, Salvatore, New York, N. Y. Automobile-horn. No. 44,452; Aug. 5; Gaz. vol. 193; p. 204.

Alphabetical list of patentees of designs—Continued.

- Scognamillo, Salvatore, New York, N. Y. Automobile-horn. No. 44,548; Aug. 19; Gaz. vol. 193; p. 734.
- Scognamillo, Salvatore, New York, N. Y. Automobile-horn and motor-casing. Nos. 44,589-91; Aug. 26; Gaz. vol. 193; pp. 992-3.
- Scott, Clarence N., assignor to The Texas Company, Houston, Tex. Advertising device for displaying oil. No. 44,692; Sept. 23; Gaz. vol. 194; p. 932.
- Scott, John, assignor to Bissell Carpet Sweeper Company, Grand Rapids, Mich. Lamp-shade. No. 43,726; Mar. 18; Gaz. vol. 188; p. 790.
- Scott, William D., New York, N. Y. Carafe. No. 44,982; Dec. 2; Gaz. vol. 197; p. 219.
- Scullin, Terance, Cleveland, Ohio. Recess sash-lift. No. 43,727; Mar. 18; Gaz. vol. 188; p. 790.
- Searle, Elbert H., Springfield, Mass. Air-rifle. Nos. 44,034-5; May 13; Gaz. vol. 190; p. 525.
- Seeburg, Justus P., Chicago, Ill. Orchestrion-case. Nos. 44,592-3; Aug. 26; Gaz. vol. 193; p. 993.
- Seelig, John G., and J. B. Barlow, Jr., Ripon, Wis. Tub. No. 43,728; Mar. 18; Gaz. vol. 188; p. 791.
- Selig, Peter A., assignor to Theo. A. Kochs Company, Chicago, Ill. Chair-seat. No. 44,262; June 24; Gaz. vol. 191; p. 1050.
- Selig, Peter A., assignor to Theo. A. Kochs Company, Chicago, Ill. Chair-base. Nos. 44,498-9; Aug. 12; Gaz. vol. 193; p. 485.
- Selkirk, Charles, Albany, N. Y., assignor to Rogers, Lunt & Bowlen Company, Greenfield, Mass. Handle for spoons, forks, or similar articles. No. 44,263; June 24; Gaz. vol. 191; p. 1050.
- Semple, Charles H., Trenton, N. J. Resilient tire. Nos. 43,438-9; Jan. 7; Gaz. vol. 186; p. 273.
- Sendall, Charles F., assignor to D. S. P. Automobile Specialty Company, Brooklyn, N. Y. Warning-signal. Nos. 44,712-13; Sept. 30; Gaz. vol. 194; p. 1125.
- Seneca Glass Company. (See Truog, George, Jr., assignor.)
- Shank, Chester, Marion, Mich. Sewing-stand. No. 44,076; May 20; Gaz. vol. 190; p. 770.
- Shanley, Thomas A., assignor to International Silver Company, Meriden, Conn. Cut-glass vessel or similar article. No. 44,114; May 27; Gaz. vol. 190; p. 1007.
- Shaw, Edwin C., Akron, Ohio, assignor, by mesne assignments, to The B. F. Goodrich Company. Tire-tread. No. 45,051; Dec. 16; Gaz. vol. 197; p. 760.
- Shaw, Frank J., assignor to F. A. Whitney Carriage Co., Leominster, Mass. Vehicle-top. No. 44,221; June 17; Gaz. vol. 191; p. 809.
- Sheldon-Foster Glass Company. (See Schofield, Charles M., assignor.)
- Sheppard, Wilbur S., Colorado Springs, Colo. Electric heater. No. 44,942; Nov. 25; Gaz. vol. 196; p. 1029.
- Shikaku, George, Los Angeles, Cal. Fly-trap. No. 44,645; Sept. 9; Gaz. vol. 194; p. 528.
- Shoe, William W., Philadelphia, Pa. Iron. No. 45,023; Dec. 9; Gaz. vol. 197; p. 508.
- Shortle, Annie, St. Joseph, Mo. Mother's nursing-dress waist. No. 44,594; Aug. 26; Gaz. vol. 193; p. 993.
- Shumway, Harvey E., Frankfort, Kans. Candlestick. No. 44,943; Nov. 25; Gaz. vol. 196; p. 1029.
- Shure, Nathan, Chicago, Ill. Toy pedestal. No. 44,187; June 10; Gaz. vol. 191; p. 568.
- Siewers, Walter L., Winston-Salem, N. C. Undergarment. Nos. 43,783-8; Apr. 1; Gaz. vol. 189; pp. 224-5.
- Simeon L. and George H. Rogers Co. (See Myers, Burton D., assignor.)
- Simmons, Daniel W., Rome, Ga. Bowl or tureen. No. 44,595; Aug. 26; Gaz. vol. 193; p. 993.
- Simmons, Joseph, and P. Abrahams, Brooklyn, N. Y. Wedding-ring. No. 44,420; July 29; Gaz. vol. 192; p. 1241.
- Simplex Electric Heating Company. (See Ayer, James I., assignor.)
- Simpson, Olive M., Washington, D. C. Image. No. 43,907; Apr. 22; Gaz. vol. 189; p. 1007.
- Sinclair, Henry P., Corning, N. Y. Cut and engraved transparent plate. No. 44,774; Oct. 21; Gaz. vol. 195; p. 797.
- Sins, Emile, Paris, France, assignor to Cheney Brothers, South Manchester, Conn. Textile fabric. No. 44,036; May 13; Gaz. vol. 190; p. 526.
- Sins, Emile, Paris, France, assignor to Cheney Brothers, South Manchester, Conn. Textile fabric. No. 44,944; Nov. 25; Gaz. vol. 196; p. 1029.
- Skall, Max A., New York, N. Y. Display-fixture with display of hosiery. No. 43,832; Apr. 8; Gaz. vol. 189; p. 499.
- Sloan, Matthew H., assignor to The Wellington Glass Company, Cumberland, Md. Lamp-shade. No. 44,115; May 27; Gaz. vol. 190; p. 1007.
- Sloane, William W., and N. S. Richmond, assignors to Peerless Accessories Manufacturers, Chicago, Ill. Casing for automobile tire-pumps. No. 44,453; Aug. 5; Gaz. vol. 193; p. 204.
- Small, Howard, Wynote, Pa. Electric-switch face plate or trimming. Nos. 44,454-5; Aug. 5; Gaz. vol. 193; p. 204.
- Smith, Charles J., Springfield, Ill. Button. No. 44,693; Sept. 23; Gaz. vol. 194; p. 932.
- Smith, Earl J., Montrose, Pa. Clock-case. No. 45,095; Dec. 30; Gaz. vol. 197; p. 1272.
- Smith, Francis R., assignor of one-half to Emil F. Kupfer, Inc., Brooklyn, N. Y. Cut-glass dish. No. 44,421; July 29; Gaz. vol. 192; p. 1242.
- Smith, Frederick C. (See Parker, Frank O., assignor.)
- Smith, John E., Laurel, and W. F. Sult, Gilman, Iowa. Hat, cap, or similar article. No. 43,908; Apr. 22; Gaz. vol. 189; p. 1007.
- Smith-Phillips China Company. (See Frost, Percy T., assignor.)
- Smith-Phillips China Company, The. (See Hoyt, Donald, assignor.)
- Smith-Phillips China Company, The. (See Rawlins, William T., assignor.)
- Smith, Thomas, Cumberland, Md. Sewer-trap. No. 44,422; July 29; Gaz. vol. 192; p. 1242.
- Smith, William T., Philadelphia, Pa. Woven fabric. No. 44,386; July 22; Gaz. vol. 192; p. 970.
- Snow, Ralph L., Pawtucket, R. I., assignor to Paye & Baker Manufacturing Company, North Attleboro, Mass. Handle for spoons, forks, or similar articles. No. 44,694; Sept. 23; Gaz. vol. 194; p. 932.
- Societe des Lunetiers (Postel, Blanc, Bourse & Cie.). (See Gance, Albert, assignor.)
- Solony, Joe, Detroit, Mich. Rattle. No. 43,833; Apr. 8; Gaz. vol. 189; p. 499.
- Somers, Harold, Brooklyn, N. Y. Fly-killing device. No. 44,549; Aug. 19; Gaz. vol. 193; p. 734.
- Somers, Thomas F., New York, N. Y. Corset. No. 44,695; Sept. 23; Gaz. vol. 194; p. 932.
- Souvenir Novelty Company. (See McNerney, Peter J., assignor.)
- Sparks, William, Jackson, Mich. Rotary fan. No. 43,510; Feb. 4; Gaz. vol. 187; p. 213.
- Sparks, William, Jackson, Mich. Signal. Nos. 45,024-5; Dec. 9; Gaz. vol. 197; p. 508.
- Sparks, William, Jackson, Mich. Pump-casing. No. 45,026; Dec. 9; Gaz. vol. 197; p. 509.
- Specht, Adolph A., assignor to Gem City Stove Manufacturing Company, Quincy, Ill. Stove fire-pot section and base. No. 44,733; Oct. 14; Gaz. vol. 195; p. 520.
- Spieles, Jakob, New York, N. Y. Support for display-racks. No. 44,619; Sept. 2; Gaz. vol. 194; p. 258.
- Spring, John, New York, N. Y., assignor to Bigelow Carpet Company. Rug. Nos. 43,483-4; Jan. 21; Gaz. vol. 186; p. 779.
- Spring, John, New York, N. Y., assignor to Bigelow Carpet Company. Rug-border. No. 43,485; Jan. 21; Gaz. vol. 186; p. 780.
- Spring, John, New York, N. Y., assignor to Bigelow Carpet Company. Rug. Nos. 43,911-12; Apr. 22; Gaz. vol. 189; p. 1008.
- Spring, John, New York, N. Y., assignor to Bigelow Carpet Company. Carpet. Nos. 44,037-8; May 13; Gaz. vol. 190; p. 526.
- Spring, John, New York, N. Y., assignor to Bigelow Carpet Company. Rug. No. 44,222; June 17; Gaz. vol. 191; p. 809.
- Spring, John, New York, N. Y., assignor to Bigelow Carpet Company. Rug. No. 44,821; Oct. 28; Gaz. vol. 195; p. 1032.
- Spring, John, New York, N. Y., assignor to Bigelow Carpet Company. Rug. No. 44,908; Nov. 18; Gaz. vol. 196; p. 788.
- Spring, John, New York, N. Y., assignor to Bigelow Carpet Company. Rug. Nos. 44,983-5; Dec. 2; Gaz. vol. 197; pp. 219-20.
- Spring, John, New York, N. Y., assignor to Bigelow Carpet Company. Carpet. No. 44,986; Dec. 2; Gaz. vol. 197; p. 220.
- Spring, John, New York, N. Y., assignor to Bigelow Carpet Company. Carpet. No. 45,077; Dec. 23; Gaz. vol. 197; p. 978.
- Spring, William A., Brooklyn, N. Y., assignor to Bigelow Carpet Company. Rug. Nos. 43,789-90; Apr. 1; Gaz. vol. 189; p. 226.
- Spring, William A., Brooklyn, N. Y., assignor to Bigelow Carpet Company. Carpet. Nos. 43,909-10; Apr. 22; Gaz. vol. 189; p. 1007.
- Spring, William A., Brooklyn, N. Y., assignor to Bigelow Carpet Company. Carpet. No. 44,223; June 17; Gaz. vol. 191; p. 809.
- Spring, William A., Brooklyn, N. Y., assignor to Bigelow Carpet Company. Rug. Nos. 44,822-3; Oct. 28; Gaz. vol. 195; pp. 1032-3.
- Spring, William A., Brooklyn, N. Y., assignor to Bigelow Carpet Company. Carpet. Nos. 44,824-5; Oct. 28; Gaz. vol. 195; p. 1033.
- Spring, William A., Brooklyn, N. Y., assignor to Bigelow Carpet Company. Rug. Nos. 44,864-5; Nov. 4; Gaz. vol. 196; pp. 259-60.
- Spring, William A., Brooklyn, N. Y., assignor to Bigelow Carpet Company. Carpet. Nos. 44,987-8; Dec. 2; Gaz. vol. 197; p. 220.
- Springfield Metallic Casket Company, The. (See Hiser, Charles H., assignor.)
- St. Denis, Henry W., and W. St. Dennis, Ottawa, Ontario, Canada. Rocking or hobby elephant. No. 43,948; Apr. 29; Gaz. vol. 189; p. 1260.

Alphabetical list of patentees of designs—Continued.

- St. Dennis, Walter. (See St. Denis and St. Dennis.)
 St. Louis Brass Manufacturing Company. (See Owen, Raymond V., assignor.)
 St. Mungo Manufacturing Company of America, The. (See Penney, Harold D., assignor.)
 St. Mungo Mfg. Company of America. (See Wood, Alexander C., assignor.)
 Stackhouse, Oswald C., Brooklyn, N. Y. Nebulizer. No. 43,971; May 6; Gaz. vol. 190; p. 240.
 Standard Chain Company. (See Bond, Frank A., assignor.)
 Standard Converting Company. (See Bastow, Carrodus, assignor.)
 Stanley, John. (See Martin and Stanley.)
 Stanton, John R., New York, N. Y. Check-holder or indicator. No. 44,500; Aug. 12; Gaz. vol. 193; p. 485.
 Starr, George E., San Francisco, Cal. Tire. Nos. 44,734-6; Oct. 14; Gaz. vol. 195; p. 521.
 Starr, Perez H., Toledo, Ohio. Rug. No. 45,027; Dec. 9; Gaz. vol. 197; p. 509.
 Steele, Julius, Chicago, Ill. Bottle. No. 44,188; June 10; Gaz. vol. 191; p. 568.
 Stein, Meyer, Springfield, Ill. Lamp. No. 45,028; Dec. 9; Gaz. vol. 197; p. 509.
 Steinberg, Arnold M. (See Alexander and Steinberg.)
 Steiner, Jacob H., Chicago, Ill. Monument. No. 43,511; Feb. 4; Gaz. vol. 187; p. 213.
 Steiner, Joseph C., St. Louis, Mo. Combined motor-housing and gear-case. No. 44,775; Oct. 21; Gaz. vol. 195; p. 797.
 Steinhardt, Morris, Brooklyn, N. Y. Fire-screen. Nos. 43,512-13; Feb. 4; Gaz. vol. 187; p. 213.
 Stenberg, John E., Chicago, Ill. Stand. No. 44,989; Dec. 2; Gaz. vol. 197; p. 220.
 Sernau & Company, S. (See Nelson, Charles, assignor.)
 Stevens, Frederick A., Providence, R. I. Eyeglass-guard. No. 43,913; Apr. 22; Gaz. vol. 189; p. 1008.
 Stevens, Frederick A., Providence, R. I. Eyeglass-guard. No. 44,423; July 29; Gaz. vol. 192; p. 1242.
 Stewart, David, assignor to American Boy Scouts, New York, N. Y. Badge. No. 44,039; May 13; Gaz. vol. 190; p. 526.
 Stewart, James J., Marshalltown, Iowa. Stove-base. No. 45,029; Dec. 9; Gaz. vol. 197; p. 509.
 Stewart, Seymour J., New Orleans, La. Electric illuminator. No. 43,914; Apr. 22; Gaz. vol. 189; p. 1008.
 Stewart-Warner Speedometer Corporation. (See Ross, Frank, assignor.)
 Stewart, Wilbur F., *et al.* (See Davis, Will F. P., assignor.)
 Stickley, Leopold, Fayetteville, N. Y. Bottom for chairs or similar articles. No. 44,776; Oct. 21; Gaz. vol. 195; p. 798.
 Stobbart, Arthur J., St. Paul, Minn., assignor to The Supreme Lodge, Knights of Pythias. Buckle-plate for uniform-belts. No. 44,596; Aug. 26; Gaz. vol. 193; p. 993.
 Stobbart, Arthur J., St. Paul, Minn., assignor to The Supreme Lodge, Knights of Pythias. Button. No. 44,597; Aug. 26; Gaz. vol. 193; p. 994.
 Stohrer, Samuel, assignor to International Silver Co., Meriden, Conn. Spoon, fork, or similar article. No. 44,040; May 13; Gaz. vol. 190; p. 526.
 Stone, Frederick K., Chicago, Ill., assignor to The Waverly Company, Indianapolis, Ind. Vehicle-body. No. 44,696; Sept. 23; Gaz. vol. 194; p. 933.
 Straschnow, Ralph, New York, N. Y. Casing for vacuum-cleaners. No. 43,654; Feb. 25; Gaz. vol. 187; p. 1092.
 Strawbridge & Clothier. (See Carney, Emma L., assignor.)
 Strohaker, Gustave, Wallingford, assignor to International Silver Co., Meriden, Conn. Spoon, fork, or similar article. No. 43,559; Feb. 11; Gaz. vol. 187; p. 490.
 Strom, Olaf S., Los Angeles, Cal. Electrolier. No. 43,972; May 6; Gaz. vol. 190; p. 240.
 Strong, James H., Steubenville, Ohio. Reflector-shade. No. 44,620; Sept. 2; Gaz. vol. 194; p. 258.
 Strong, James H., Steubenville, Ohio. Shade-bowl. No. 45,030; Dec. 9; Gaz. vol. 197; p. 509.
 Strong Manufacturing Company, The. (See Hodgetts, Harold W., assignor.)
 Stubbs, Ellen M., Philadelphia, Pa. Fruit spoon-knife. No. 44,737; Oct. 14; Gaz. vol. 195; p. 521.
 Suhr, Rudolf J., Emerson, Nebr. Guard for cutter-bars. No. 44,224; June 17; Gaz. vol. 191; p. 809.
 Sullivan, Paul D., Yonkers, assignor to Forsheim & Konigsberg, New York, N. Y. Medallion. No. 44,456; Aug. 5; Gaz. vol. 193; p. 205.
 Sult, William F. (See Smith and Sult.)
 Supreme Lodge, Knights of Pythias, The. (See Durand, Edward F., assignor.)
 Supreme Lodge, Knights of Pythias, The. (See Stobbart, Arthur J., assignor.)
 Sveda, Joe, Corbin, British Columbia, Canada. Christmas tree. No. 44,878; Nov. 11; Gaz. vol. 196; p. 507.
 Swan, Alfred H. S., assignor to Rochester Stamping Company, Rochester, N. Y. Teapot. No. 43,791; Apr. 1; Gaz. vol. 189; p. 226.
 Swan, Alfred H. S., assignor to Rochester Stamping Company, Rochester, N. Y. Coffee-pot. No. 43,792; Apr. 1; Gaz. vol. 189; p. 226.
 Swan, Alfred H. S., assignor to Rochester Stamping Company, Rochester, N. Y. Cooking vessel. Nos. 43,855-6; Apr. 15; Gaz. vol. 189; p. 756.
 Swartzenburg, Julia, Omaha, Nebr. Thermostat. No. 44,077; May 20; Gaz. vol. 190; p. 770.
 Sweet, Elnathan, Portland, Oreg. Back for cards. No. 43,857; Apr. 15; Gaz. vol. 189; p. 756.
 Sykes and Strandberg. (See Bagnall, Frederick A., assignor.)
 T. N. Benedict Mfg. Co. (See Saunders, Albert F., assignor.)
 Taigman, Max, New York, N. Y. Machine-stand. No. 44,152; June 3; Gaz. vol. 191; p. 270.
 Taylor, Henry, Chicago, Ill. Baby-spoon. No. 45,031; Dec. 9; Gaz. vol. 197; p. 509.
 Taylor, Thomas, Jr., Hubbard Woods, Ill. Head for golf-clubs. No. 44,457; Aug. 5; Gaz. vol. 193; p. 205.
 Taylor, Vincent A., Bedford, Ohio. Chair. Nos. 43,440-4; Jan. 7; Gaz. vol. 186; pp. 273-4.
 Taylor, William W., Montclair, N. J. Portable structure. No. 44,738; Oct. 14; Gaz. vol. 195; p. 521.
 Teller, Rufus K., Unadilla, N. Y. Kitchen-knife. No. 43,729; Mar. 18; Gaz. vol. 188; p. 791.
 Templin, Joseph H. (See Wiedemann and Templin.)
 Terry, William J. B., assignor to Eisenmann & Co., London, England. Toy. No. 43,858; Apr. 15; Gaz. vol. 189; p. 757.
 Tessier, Mortimer V., Nyack, assignor to American Tobacco Company, New York, N. Y. Can or container. No. 43,445; Jan. 7; Gaz. vol. 186; p. 274.
 Tessier, Mortimer V., Nyack, assignor to American Tobacco Company, New York, N. Y. Can or container. Nos. 43,486-7; Jan. 21; Gaz. vol. 186; p. 780.
 Texas Company, The. (See Scott, Clarence N., assignor.)
 Thaler, Adolf, New York, N. Y. Patchwork fabric-covering. No. 44,501; Aug. 12; Gaz. vol. 193; p. 485.
 Thamm, Rose, Berkeley, Cal. Lantern. No. 44,598; Aug. 26; Gaz. vol. 193; p. 994.
 Thayer, Emma R. L., and E. H. Cassard, New York, N. Y. Folding playhouse. No. 43,949; Apr. 29; Gaz. vol. 189; p. 1261.
 Thayer, Emma R. L., and E. H. Cassard, New York, N. Y. Folding playhouse. No. 44,041; May 13; Gaz. vol. 190; p. 526.
 Theo. A. Kochs Company. (See Selig, Peter A., assignor.)
 Thiele, Albert H., assignor to Geo. Borgfeldt & Co., New York, N. Y. Bed-pan. No. 43,834; Apr. 8; Gaz. vol. 189; p. 499.
 Thieler, Edward R., Hoboken, N. J. Plate. Nos. 44,153-4; June 3; Gaz. vol. 191; p. 271.
 Thieler, Edward R., Hoboken, N. J. Jug or similar article. No. 44,672; Sept. 16; Gaz. vol. 194; p. 734.
 Thomas & Betts Company. (See McMurtrie, Adnah, assignor.)
 Thompson, Ralph C., Attleboro, Mass. Handle for pierced spoons, forks, or similar articles. No. 45,078; Dec. 23; Gaz. vol. 197; p. 978.
 Thomson, William S., assignor to The H. D. Smith and Company, Plantsville, Conn. Cold-chisel. No. 44,646; Sept. 9; Gaz. vol. 194; p. 528.
 Tibbetts, Milton, assignor, by mesne assignments, to Packard Motor Car Company, Detroit, Mich. Electric-switch terminal. No. 44,155; June 3; Gaz. vol. 191; p. 271.
 Tiedemann & Sons, Theo. (See Casaretto, Robert, assignor.)
 Tiedemann & Sons, Theo. (See Dornbusch, Josef, assignor.)
 Tiffany Studios. (See Schmidt, Henry O., assignor.)
 Tilton, Perley G., Melrose, Mass. Waterproof cap-covering. No. 44,042; May 13; Gaz. vol. 190; p. 527.
 Tobiasson, Tobias A., Irvington, N. J., assignor to Crane & Theurer. Bracelet or similar article. No. 43,560; Feb. 11; Gaz. vol. 187; p. 490.
 Toedt, Louis H. C., Brooklyn, N. Y. Globe for water-filters. No. 43,835; Apr. 8; Gaz. vol. 189; p. 499.
 Tollefson, Victor E., Elk Point, S. D. Automobile-horn. No. 43,806; Apr. 1; Gaz. vol. 189; p. 229.
 Tompkins, John D., Valatie, and F. H. Fuller, Potsdam, N. Y. Crimped paper. No. 44,387; July 22; Gaz. vol. 192; p. 970.
 Towle Manufacturing Company. (See Cheron, Pierre J., assignor.)
 Towle Manufacturing Company. (See Quincy, Henry C., assignor.)
 Townsend, Edwin O., New York, N. Y. Memorial monument. No. 43,655; Feb. 25; Gaz. vol. 187; p. 1092.
 Townsend, Townsend & Company. (See Hanold, Frank J., assignor.)
 Travers, Charles J., assignor to Royal Metal Manufacturing Company, Chicago, Ill. Casserole-holder. No. 43,915; Apr. 22; Gaz. vol. 189; p. 1008.
 Travis, John M., St. Louis, Mo. Syrup-dispensing apparatus. Nos. 45,032-3; Dec. 9; Gaz. vol. 197; p. 510.
 Travis, John M., St. Louis, Mo. Soda-dispensing apparatus. No. 45,096; Dec. 30; Gaz. vol. 197; p. 1273.

Alphabetical list of patentees of designs—Continued.

- Treadway, Morton C., assignor to The Horton Manufacturing Co., Bristol, Conn. Display-rack. No. 44,078; May 20; Gaz. vol. 190; p. 770.
- Treiber, Theodore R. (See Johnson, Joseph W., assignor.)
- Trenle China Company, The. (See Frbst, Percy T., assignor.)
- Trenle China Company, The. (See Pfaff, Franz, assignor.)
- Triik, Ernest W., New York, N. Y., assignor to Beattie Mfg. Co., Little Falls, N. J. Carpet or rug. No. 44,502; Aug. 12; Gaz. vol. 193; p. 485.
- Truog, George, Jr., assignor to The Potomac Glass Company, Cumberland, Md. Drinking vessel or similar article. No. 44,043; May 13; Gaz. vol. 190; p. 527.
- Truog, George, Jr., Cumberland, Md., assignor to Seneca Glass Company, Morgantown, W. Va. Glass vessel. No. 44,717; Oct. 7; Gaz. vol. 195; p. 260.
- Twaddell, Edward W. (See Bullock, Edward T., assignor.)
- Twinem, Joseph, New York, N. Y. Dusting-cap. No. 44,347; July 15; Gaz. vol. 192; p. 721.
- Twinem, Joseph, New York, N. Y. Dusting-cap. No. 44,458; Aug. 5; Gaz. vol. 193; p. 205.
- Twyman, Frank, London, England. Thermopile. No. 44,225; June 17; Gaz. vol. 191; p. 810.
- U. S. Hame Company. (See Wiedrich, Charles L., assignor.)
- Union Metal Manufacturing Company, The. (See Rastetter, Harry O., assignor.)
- United Drug Company. (See Williams, Fred O., assignor.)
- United States Glass Company. (See Haley, Reuben, assignor.)
- Vail Bros. (See Vail, Stephen A., assignor.)
- Vail, John W., Chicago, Ill. Bedstead-fitting. No. 45,052; Dec. 16; Gaz. vol. 197; p. 760.
- Vail, Stephen A., assignor to Vail Bros., Philadelphia, Pa. Candy, perfumery, soap, or toilet articles box. No. 43,583; Feb. 18; Gaz. vol. 187; p. 805.
- Valasek, Otakar, Chicago, Ill. Card-case. No. 45,034; Dec. 9; Gaz. vol. 197; p. 510.
- Van Buren, Jafew S., Albany N. Y., assignor to Abram Cox Stove Company, Philadelphia, Pa. Gas-range. No. 44,599; Aug. 26; Gaz. vol. 193; p. 994.
- Van De Verg, Marietta L., Hoboken, N. J. Dry-cereal dish. No. 43,656; Feb. 25; Gaz. vol. 187; p. 1092.
- Van Gelderen, Frederik, Chicago, Ill. Lamp-body. No. 44,459; Aug. 5; Gaz. vol. 193; p. 205.
- Van Ness, Willard L., Toledo, Ohio. Watch-fob or badge. No. 44,044; May 13; Gaz. vol. 190; p. 527.
- Van Ness, Willard L., Toledo, Ohio. Watch-fob or badge. No. 44,324; July 8; Gaz. vol. 192; p. 498.
- Van Raalte, Zealie, New York, N. Y. Net-veiling. No. 44,668; Sept. 16; Gaz. vol. 194; p. 733.
- Van Raalte, Zealie, New York, N. Y. Net veiling. No. 44,990; Dec. 2; Gaz. vol. 197; p. 221.
- Van Slyke, Lucille, New York, N. Y. Outdoor winter play-garment for children. No. 45,035; Dec. 9; Gaz. vol. 197; p. 510.
- Van Tochine, Joseph L., Fort Wayne, Ind. Collar attachment. No. 44,116; May 27; Gaz. vol. 190; p. 1008.
- Vaughan, Harry L., assignor to Crown Throat & Opener Company, Chicago, Ill. Bottle-opener. No. 44,226; June 17; Gaz. vol. 191; p. 810.
- Vaughan, Harry L., assignor to Crown Throat & Opener Company, Chicago, Ill. Bottle-opener. No. 44,945; Nov. 25; Gaz. vol. 196; p. 1029.
- Vega Company, The. (See Day, David L., assignor.)
- Venn Manufacturing Co. (See Dennis, Oliver C., assignor.)
- Vernon, Frederick L., Newton, Iowa. Match-holder. No. 44,326; July 8; Gaz. vol. 192; p. 498.
- Vetter, Ignatius J., New York, N. Y., assignor to Bigelow Carpet Company. Rug. No. 43,916; Apr. 22; Gaz. vol. 189; p. 1009.
- Vetter, Ignatius J., New York, N. Y., assignor to Bigelow Carpet Company. Rug. No. 44,045; May 13; Gaz. vol. 190; p. 527.
- Vetter, Ignatius J., New York, N. Y., assignor to Bigelow Carpet Company. Rug. Nos. 44,826-30; Oct. 28; Gaz. vol. 195; pp. 1033-4.
- Vetter, Ignatius J., New York, N. Y., assignor to Bigelow Carpet Company. Rug. No. 44,909; Nov. 18; Gaz. vol. 196; p. 788.
- Vetter, Ignatius J., New York, N. Y., assignor to Bigelow Carpet Company. Carpet. No. 44,991; Dec. 2; Gaz. vol. 197; p. 221.
- Vetter, Ignatius J., New York, N. Y., assignor to Bigelow Carpet Company. Rug. No. 44,992; Dec. 2; Gaz. vol. 197; p. 221.
- Vetter, Ignatius J., New York, N. Y., assignor to Bigelow Carpet Company. Carpet. No. 45,079; Dec. 23; Gaz. vol. 197; p. 978.
- Victor Jar Co., The. (See Eichhorn, Jacob C., assignor.)
- Victor Talking Machine Company. (See Johnson, Eldridge R., assignor.)
- Victor Talking Machine Company. (See Kleffer, Eugene T., assignor.)
- Villmont, Pierre S., New York, N. Y. Lamp-standard. No. 44,325; July 8; Gaz. vol. 192; p. 498.
- Virden Manufacturing Company, The. (See Aspinwall, Robert S., assignor.)
- Vistard, Charles, Albert, W. Va. Miner's lamp. No. 44,079; May 20; Gaz. vol. 190; p. 770.
- Vogel, Edward M. (See Kohner, Gustave, assignor.)
- Volke, Margareth, Bovey, Minn. Apron. No. 44,046; May 13; Gaz. vol. 190; p. 527.
- Wacha, John C., Providence, R. I., assignor to George H. Caboon Company. Display-stand for jewelry. No. 43,836; Apr. 8; Gaz. vol. 189; p. 499.
- Wachtelhausen, Henry W., assignor to The Parker Clock Company, Meriden, Conn. Alarm-clock case. No. 44,946; Nov. 25; Gaz. vol. 196; p. 1029.
- Wadsworth, George R., assignor to The Peerless Motor Car Company, Cleveland, Ohio. Automobile-body. Nos. 44,156-7; June 3; Gaz. vol. 191; p. 271.
- Wadsworth, George R., assignor to The Peerless Motor Car Company, Cleveland, Ohio. Automobile-lamp. Nos. 44,158-9; June 3; Gaz. vol. 191; p. 272.
- Wadsworth, George R., assignor to The Peerless Motor Car Company, Cleveland, Ohio. Lamp. No. 44,424; July 29; Gaz. vol. 192; p. 1242.
- Wadsworth, George R., assignor to The Peerless Motor Car Company, Cleveland, Ohio. Lamp. No. 44,621; Sept. 2; Gaz. vol. 194; p. 258.
- Wadsworth, George R., assignor to The Peerless Motor Car Company, Cleveland, Ohio. Automobile body and hood. Nos. 44,647-8; Sept. 9; Gaz. vol. 194; p. 529.
- Wadsworth, John W., Drayton, England, assignor to E. J. Ridgway, Livingston, N. Y. Plate or similar article. No. 43,793; Apr. 1; Gaz. vol. 189; p. 227.
- Wagner, Frank and W. L., Cleveland, Ohio. Candelabrum. No. 44,947; Nov. 25; Gaz. vol. 196; p. 1030.
- Wagner, William L. (See Wagner, Frank and W. L.)
- Wagner, William S., New York, assignor to Onondaga Pottery Company, Syracuse, N. Y. Plate. No. 43,973; May 6; Gaz. vol. 190; p. 241.
- Wakley, William, Indian Lake, N. Y. Harness-ring. No. 44,503; Aug. 12; Gaz. vol. 193; p. 485.
- Waldman, Samuel S., assignor to Emil Grossman Company, New York, N. Y. Foot-pedal. No. 43,657; Feb. 25; Gaz. vol. 187; p. 1093.
- Waldon, Sidney D., assignor to Packard Motor Car Company, Detroit, Mich. Vehicle-body. No. 43,491; Jan. 28; Gaz. vol. 186; p. 966.
- Walkley, Lucius V., assignor to The H. D. Smith & Company, Plantsville, Conn. Automobile pry-bar. No. 44,327; July 8; Gaz. vol. 192; p. 498.
- Wallenstein, Joseph S., New York, N. Y. Vanity-box. No. 44,697; Sept. 23; Gaz. vol. 194; p. 933.
- Walsh, Edward J., St. Louis, Mo. Sheet-glass. No. 44,425; July 29; Gaz. vol. 192; p. 1242.
- Walsh, Edward J., St. Louis, Mo. Sheet-glass. No. 44,460; Aug. 5; Gaz. vol. 193; p. 205.
- Walsh, Edward J., St. Louis, Mo. Sheet-glass. No. 44,948; Nov. 25; Gaz. vol. 196; p. 1030.
- Walsh, Edward J., St. Louis, Mo. Sheet-glass. No. 45,036; Dec. 9; Gaz. vol. 197; p. 510.
- Walsh, Julius S., assignor to Mississippi Glass Company, St. Louis, Mo. Sheet-glass. No. 44,622; Sept. 2; Gaz. vol. 194; p. 250.
- Walsh, Julius S., assignor to Mississippi Glass Company, St. Louis, Mo. Sheet-glass. Nos. 44,739-40; Oct. 14; Gaz. vol. 195; p. 522.
- Walter, Elmer E., assignor to Onondaga Pottery Company, Syracuse, N. Y. Plate. No. 43,705; Mar. 11; Gaz. vol. 188; p. 492.
- Walther, George, Dayton, Ohio. Automobile truck-wheel. No. 45,097; Dec. 30; Gaz. vol. 197; p. 1273.
- Walworth Manufacturing Company. (See Earle, Harry C., assignor.)
- Wardell, Henry R., New York, N. Y., assignor to H. W. Johns-Manville Company. Roofing-cleat. No. 43,658; Feb. 25; Gaz. vol. 187; p. 1093.
- Warner, Charles W., Middletown, Conn. Buckle. No. 43,584; Feb. 18; Gaz. vol. 187; p. 806.
- Warner, Charles W., Middletown, Conn., assignor to Good Manufacturing Company, New York, N. Y. Shelf-bracket. No. 43,446; Jan. 7; Gaz. vol. 186; p. 275.
- Wass, Stanley, St. Louis, Mo. Shoe. No. 45,080; Dec. 23; Gaz. vol. 197; p. 978.
- Waterbury Buckle Company. (See Moore, Roswell A., assignor.)
- Waterbury Mfg. Co. (See Recker, Adolph C., assignor.)
- Waterfield, James, assignor to Quaker Lace Company, Philadelphia, Pa. Lace curtain. Nos. 44,879-80; Nov. 11; Gaz. vol. 196; p. 508.
- Waterman, Charles H., Athens, Mich. Wiring-cleat. No. 44,117; May 27; Gaz. vol. 190; p. 1008.
- Waterman, Herman, New York, N. Y. Stove-top plate. No. 43,917; Apr. 22; Gaz. vol. 189; p. 1009.
- Watters, Charles J., Fox Chase, Pa., assignor to North American Lace Company, Philadelphia, Pa. Lace fabric. Nos. 43,585-6; Feb. 18; Gaz. vol. 187; p. 806.
- Waverly Company, The. (See Stone, Frederick K., assignor.)
- Weatherly, Sidney M., assignor to Keystone Type Foundry, Philadelphia, Pa. Font of type. No. 43,587; Feb. 18; Gaz. vol. 187; p. 806.
- Webster Piano Company, The. (See Crosby, Nathan M., assignor.)
- Weder, Hermann, Sr., and C. H. Wolff, Philadelphia, Pa. Surgical retractor. No. 44,388; July 22; Gaz. vol. 192; p. 970.
- Weder, Hermann, Sr., and C. H. Wolff, Philadelphia, Pa. Speculum. No. 44,389; July 22; Gaz. vol. 192; p. 970.
- Weder, Hermann, Sr., and C. H. Wolff, Philadelphia, Pa. Applicator-handle. No. 44,390; July 22; Gaz. vol. 192; p. 971.

Alphabetical list of patentees of designs—Continued.

- Weder, Hermann, Sr., and C. H. Wolff, Philadelphia, Pa. Tongue-depressor. No. 44,391; July 22; Gaz. vol. 192; p. 971.
- Weeks, Frank A., Plainfield, N. J. Inkstand. No. 43,706; Mar. 11; Gaz. vol. 188; p. 492.
- Weeks, Frank A., Plainfield, N. J. Memorandum-pad calendar. No. 43,708; Mar. 11; Gaz. vol. 188; p. 492.
- Weidlich Bros. Mfg. Co., The. (See Weidlich, Louis, assignor.)
- Weidlich Brothers Manufacturing Co., The. (See Flaender, Alfred J., assignor.)
- Weidlich, Louis, Bridgeport, Conn. Jewel-case. Nos. 44,426-7; July 29; Gaz. vol. 192; pp. 1242-3.
- Weidlich, Louis, Bridgeport, Conn. Jewel-case. No. 44,461; Aug. 5; Gaz. vol. 193; p. 206.
- Weidlich, Louis, assignor to The Weidlich Bros. Mfg. Co., Bridgeport, Conn. Jewel-case. Nos. 44,777-9; Oct. 21; Gaz. vol. 195; p. 798.
- Weil, Henry, New York, N. Y. Pillow-cover. No. 44,462; Aug. 5; Gaz. vol. 193; p. 206.
- Weingarten Bros. (See Grotta, David, assignor.)
- Weinreb Brothers. (See Hoffman, Henry A., assignor.)
- Weiser, Abraham G., South Pasadena, Cal. Door-latch. No. 43,561; Feb. 11; Gaz. vol. 187; p. 491.
- Weiser, Abraham G., South Pasadena, Cal. Drawer and cabinet pull. No. 43,974; May 6; Gaz. vol. 190; p. 241.
- Weiss, Nathan, assignor to American Cigar Company, New York, N. Y. Box of cigars. No. 44,673; Sept. 16; Gaz. vol. 194; p. 734.
- Wellington Glass Company, The. (See Sloan, Matthew H., assignor.)
- Wells, Joel C., Southbridge, Mass. Handle for eyeglasses and lorgnettes. No. 44,504; Aug. 12; Gaz. vol. 193; p. 485.
- Wells, Karl C., Redlands, Cal. Gas-engine-spark-plug-cleaning device. No. 44,600; Aug. 26; Gaz. vol. 193; p. 994.
- Welsbach Light Company. (See Peterson, Clarence A., assignor.)
- West, George R., Pittsburgh, Pa. Toy receptacle for confectons. No. 44,741; Oct. 14; Gaz. vol. 195; p. 522.
- Western Electric Company. (See De Vignier, Robert M., assignor.)
- Westlake, Warren L., Oakland, Cal. Brooch, button, pin, buckle, or watch-charm. No. 43,859; Apr. 15; Gaz. vol. 189; p. 757.
- Weymann, Harry W., Philadelphia, Pa. Mandolite. No. 43,684; Mar. 4; Gaz. vol. 188; p. 222.
- Wheeler, David C., assignor to The Aeme Shear Company, Bridgeport, Conn. Shear-blade. No. 43,447; Jan. 7; Gaz. vol. 186; p. 275.
- Wheeler, Gardner E., assignor to The English & Mersick Company, New Haven, Conn. Automobile radiator-casing. Nos. 43,685-8; Mar. 4; Gaz. vol. 188; p. 223.
- Wheeling Sanitary Manufacturing Company. (See Alpaugh, Samuel P., assignor.)
- Wheeling Stamping Company. (See Edwards, Alonzo L., assignor.)
- Whitcomb, Roscoe H., Yonkers, N. Y. Toy figure. No. 44,742; Oct. 14; Gaz. vol. 195; p. 522.
- White, Edwin L., assignor to J. H. White Manufacturing Co., Brooklyn, N. Y. Wall-panel. No. 44,428; July 29; Gaz. vol. 192; p. 1243.
- White, Edwin L., assignor to J. H. White Manufacturing Co., Brooklyn, N. Y. Extension-plate. No. 44,429; July 29; Gaz. vol. 192; p. 1243.
- White, Edwin L., assignor to J. H. White Manufacturing Co., Brooklyn, N. Y. Ceiling or shower plate. No. 44,550; Aug. 19; Gaz. vol. 193; p. 734.
- White, Edwin L., assignor to J. H. White Manufacturing Co., Brooklyn, N. Y. Canopy. Nos. 44,551-2; Aug. 19; Gaz. vol. 193; pp. 734-5.
- White, Thomas C., St. Louis, Mo. Insulator. No. 44,118; May 27; Gaz. vol. 190; p. 1008.
- Whitney, Horace E., Cambridge, Mass., assignor to Dover Stamping and Manufacturing Company, Portland, Me. Rim for barrels. No. 44,392; July 22; Gaz. vol. 192; p. 971.
- Wiedemann, Theodore, and J. H. Templin, Philadelphia, Pa. Vacuum-cleaner casing. No. 44,119; May 27; Gaz. vol. 190; p. 1008.
- Wiedrich, Charles L., assignor to U. S. Hame Company, Buffalo, N. Y. Sheet-metal hame-body. No. 44,623; Sept. 2; Gaz. vol. 194; p. 259.
- Wight, Thomas, Kansas City, Mo. Street-electroliter. No. 43,488; Jan. 21; Gaz. vol. 186; p. 780.
- Wight, Thomas, assignor to Frank Tilk Ornamental Iron Works Co., Kansas City, Mo. Lamp-bracket. No. 43,975; May 6; Gaz. vol. 190; p. 241.
- Wigley, John T., Syracuse, N. Y. Plate. Nos. 44,505-8; Aug. 12; Gaz. vol. 193; p. 486.
- Wigley, John T., assignor to Onondaga Pottery Company, Syracuse, N. Y. Plate. No. 43,976; May 6; Gaz. vol. 190; p. 241.
- Wilboken Manufacturing Co. (See Knaak, George A., assignor.)
- Wilde, Hadassah, Philadelphia, assignor to Armstrong Cork Company, Pittsburgh, Pa. Linoleum, oil-cloth, or floor-covering. Nos. 43,950-1; Apr. 29; Gaz. vol. 189; p. 1261.
- Wilford, Edward B., (See Schramm and Wilford.)
- Wilke, William H., Berkeley, Cal., assignor to Gorham Manufacturing Company, Providence, R. I. Handle for spoons, forks, or similar articles. No. 44,714; Sept. 30; Gaz. vol. 194; p. 1125.
- William Campbell Wall Paper Company. (See Leitch, Frank E., assignor.)
- Williams, Fred O., Brookline, assignor to United Drug Company, Boston, Mass. Water-bottle, syringe-bag, or similar article. Nos. 45,037-8; Dec. 9; Gaz. vol. 197; p. 511.
- Williams, James A., Cincinnati, Ohio. Gas-log. No. 44,264; June 24; Gaz. vol. 191; p. 1050.
- Williams, Roger O., Carbondale, Pa. Curtain and shade bracket. No. 45,081; Dec. 23; Gaz. vol. 197; p. 978.
- Willys-Overland Company, The. (See Neracher, Carl A., assignor.)
- Wilson, Edward C., Washington, D. C. Puzzle-board. No. 43,452; Jan. 14; Gaz. vol. 186; p. 537.
- Wilson, Harry B., and H. O. Gephart, Chicago Heights, Ill. Hammer. Nos. 43,659-60; Feb. 25; Gaz. vol. 187; p. 1093.
- Wilson, Harry E., Wichita, Kans. Kite. No. 43,562; Feb. 11; Gaz. vol. 187; p. 491.
- Wilson, John C., Marshall, Wash. Pack of playing-cards. No. 44,430; July 29; Gaz. vol. 192; p. 1243.
- Wilson, Rose O., Day, Mo. Doll. No. 43,680; Mar. 4; Gaz. vol. 188; p. 222.
- Wilson, Rose O., Day, Mo. Doll. No. 44,393; July 22; Gaz. vol. 192; p. 971.
- Wilton, Ralph P., Wrightsville, Pa. Receptacle for dispensing drinking-straws. No. 43,730; Mar. 18; Gaz. vol. 188; p. 791.
- Winterton Manufacturing Company. (See McQuillan, Jacob M., assignor.)
- Wintrob, Jacob M., Philadelphia, Pa. Cabinet for sound recording and reproducing machines and the like. No. 44,624; Sept. 2; Gaz. vol. 194; p. 259.
- Wirts, Stephen M., Detroit, Mich., and E. L. Duckwall, Salem, Ind., assignors to American Graphophone Company, Bridgeport, Conn. Cabinet for talking-machines. No. 44,993; Dec. 2; Gaz. vol. 197; p. 221.
- Wisconsin Electric Company. (See Beach, Chester H., assignor.)
- Wisniewski, Victor, New York, N. Y., assignor to Polish Falcons Alliance of America, Pittsburgh, Pa. Badge, pin, button, emblem, insignia, or similar article. No. 44,949; Nov. 25; Gaz. vol. 196; p. 1030.
- Wm. A. Rogers, Limited. (See Guenther, Charles H., assignor.)
- Wm. B. Durgin Co. (See Jenks, Barton P., assignor.)
- Wm. L. Gilbert Clock Company. (See Chouffet, Charles F., assignor.)
- Wolff, Charles H. (See Weder and Wolff.)
- Wood, Alexander C., New York, N. Y., assignor to St. Mungo Manufacturing Company of America, Newark, N. J. Golf-ball. No. 44,227; June 17; Gaz. vol. 191; p. 810.
- Woods, Clinton E., assignor to American Graphophone Company, Bridgeport, Conn. Cabinet for talking-machines. No. 44,553; Aug. 19; Gaz. vol. 193; p. 735.
- Woods, Clinton E., assignor to American Graphophone Company, Bridgeport, Conn. Talking-machine frame. No. 44,866; Nov. 4; Gaz. vol. 196; p. 260.
- Woods, Hubbard. (See Hamm, Woods, and Douglas.)
- Worms & Loeb. (See Worms, Ralph, assignor.)
- Worms, Ralph, assignor to Worms & Loeb, Chicago, Ill. Bracelet. Nos. 44,047-8; May 13; Gaz. vol. 190; p. 528.
- Worms, Sidney. (See Kellner and Worms.)
- Worthington Ball Company, The. (See Worthington, George C., assignor.)
- Worthington, George C., assignor to The Worthington Ball Company, Elyria, Ohio. Playing-ball. No. 45,082; Dec. 23; Gaz. vol. 197; p. 978.
- Wortley, Clark C., Chicago, Ill. Sign. No. 44,394; July 22; Gaz. vol. 192; p. 971.
- Wright, Horace C., Evanston, assignor to Hibbard Spencer Bartlett & Co., Chicago, Ill. Handle for spoons, forks, or similar articles. No. 43,661; Feb. 25; Gaz. vol. 187; p. 1093.
- Wright, Morris S., assignor to M. S. Wright Co., Worcester, Mass. Vacuum-cleaner nozzle. No. 43,794; Apr. 1; Gaz. vol. 189; p. 227.
- Wunder, John, Sandusky, Ohio. Poison-bottle. No. 44,228; June 17; Gaz. vol. 191; p. 810.
- Ye Lady's Outfitterie. (See Perillat, Marie, assignor.)
- Yost Electric Manufacturing Company, The. (See Chapman and Kenney, assignors.)
- Young, Lorin W., New York, N. Y. Lamp-shade. No. 43,448; Jan. 7; Gaz. vol. 186; p. 275.
- Young, Lorin W., New York, N. Y. Lamp-globe. No. 43,575; Feb. 18; Gaz. vol. 187; p. 804.
- Young, Lorin W., New York, N. Y. Lighting-fixture. No. 44,120; May 27; Gaz. vol. 190; p. 1008.
- Zell, Lucyle D., Baltimore, Md. Child's blouse. No. 44,718; Oct. 7; Gaz. vol. 195; p. 260.

ALPHABETICAL LIST OF REGISTRANTS OF TRADE-MARKS.

- A. Klipstein & Company, East Orange, N. J., and New York, N. Y. Pigment-colors. No. 92,896; Aug. 5; Gaz. vol. 193; p. 216.
- A. Peuchot, Inc., New York, N. Y. Bleaching liquids. No. 93,459; Sept. 16; Gaz. vol. 194; p. 740.
- A. Sander Packing Company, Cincinnati, Ohio. Certain named foods. No. 93,119; Aug. 19; Gaz. vol. 193; p. 750.
- A. Schoenhut Company, The, Philadelphia, Pa. Certain named toys. No. 91,038; Apr. 8; Gaz. vol. 189; p. 519.
- A. Weiskittel & Son Company, Baltimore county, Md. Closet combination. No. 92,379; July 1; Gaz. vol. 192; p. 213.
- A. Wilhelm Company, The, Reading, Pa. Enamel. No. 94,140; Nov. 4; Gaz. vol. 196; p. 272.
- A & A Manufacturing Company, Chicago, Ill. Hydrocarbon stoves, lamps, torches, and heaters. No. 92,861; Aug. 5; Gaz. vol. 193; p. 275.
- A-B Polish Co., Chicago, Ill. Stove, metal, shoe, and enamel polish. No. 90,082; Feb. 4; Gaz. vol. 187; p. 227.
- A-B Polish Co., Chicago, Ill. Stove, metal, shoe, and enamel polish. No. 92,120; June 17; Gaz. vol. 191; p. 827.
- A. B. Dick Company, Chicago, Ill. Paper for use in stencil-work. No. 92,879; Aug. 5; Gaz. vol. 193; p. 215.
- A. B. Dick Company, Chicago, Ill. Fluid adapted for use in stenciling. No. 93,974; Oct. 28; Gaz. vol. 195; p. 1045.
- A/B B. A. Hjorth & Co., Stockholm, Sweden. Cutlery, machinery, tools, and parts thereof, &c. No. 93,992; Oct. 28; Gaz. vol. 195; p. 1046.
- A. G. Hyde & Sons, New York, N. Y. Cotton piece goods. No. 91,771; May 27; Gaz. vol. 190; p. 1024.
- A. G. Hyde & Sons, New York, N. Y. Certain named men's, women's, and children's garments. No. 91,965; June 10; Gaz. vol. 191; p. 582.
- A. G. Hyde & Sons, New York, N. Y. Cotton piece goods. No. 92,221; June 24; Gaz. vol. 191; p. 1063.
- A. G. Hyde & Sons, New York, N. Y. Silk and cotton piece goods. No. 94,641; Dec. 23; Gaz. vol. 197; p. 993.
- A. G. Spalding & Bros., Jersey City, N. J., and New York, N. Y. Certain named clothing. No. 92,007; June 10; Gaz. vol. 191; p. 583.
- A. G. Spalding & Bros., Jersey City, N. J., and New York, N. Y. Certain named sporting goods. No. 92,279; June 24; Gaz. vol. 191; p. 1064.
- A. H. Hart Co., The, Paterson, N. J. Twine and cord. No. 90,435; Feb. 25; Gaz. vol. 187; p. 1112.
- A. I. Root Company, Medina, Ohio. Honey. No. 93,026; Aug. 12; Gaz. vol. 193; p. 505.
- A. J. Hilbert & Co., Inc., Milwaukee, Wis. Perfumery. No. 90,537; Mar. 4; Gaz. vol. 188; p. 238.
- A. J. Reach Co., Philadelphia, Pa. Catcher's mitt. No. 93,559; Sept. 23; Gaz. vol. 194; p. 948.
- A. J. Reach Company, Philadelphia, Pa. Base-balls. No. 91,248; Apr. 22; Gaz. vol. 189; p. 1028.
- A. M. Collins Manufacturing Company, Philadelphia, Pa. Certain named photographic and stationery supplies. No. 89,817; Jan. 14; Gaz. vol. 186; p. 552.
- A. M. Todd Company, Kalamazoo, Mich. Essential and volatile oils. No. 94,258; Nov. 18; Gaz. vol. 196; p. 801.
- A/S Sardinfabrikken Norrig, Stavanger, Norway. Sardines, herrings, and mackerel. No. 90,059; Jan. 28; Gaz. vol. 186; p. 983.
- A. W. Cowen & Bros., New York, N. Y. Neckties, neck-scarfs, and cravats. No. 94,606; Dec. 23; Gaz. vol. 197; p. 992.
- A. W. Faber, Stein, near Nuremberg, and Berlin, Germany. Pencils, crayons, rubber erasers and bands, rulers, &c. No. 94,549; Dec. 16; Gaz. vol. 197; p. 777.
- Abrams, Charles, Astoria, N. Y. Butter and eggs. No. 92,308; July 1; Gaz. vol. 192; p. 211.
- Absorene Mfg. Co., The, St. Louis, Mo. Insectifuge. No. 91,926; June 10; Gaz. vol. 191; p. 581.
- Acid Proof Ink Co., Inc., New York, N. Y. Writing fluids. No. 94,143; Nov. 11; Gaz. vol. 196; p. 521.
- Acme Fireless Cooker Co., The, Quincy, Ill. Fireless Cooker. No. 93,142; Aug. 26; Gaz. vol. 193; p. 1011.
- Acme Mattress Company, Kansas City, Mo. Mattresses. No. 93,143; Aug. 26; Gaz. vol. 193; p. 1011.
- Acme Milling Company, Aurora, Ind. Wheat-flour. No. 94,144; Nov. 11; Gaz. vol. 196; p. 521.
- Acme Shear Company, The, Bridgeport, Conn. Shears and scissors. No. 92,774; July 29; Gaz. vol. 192; p. 1255.
- Acme Shear Company, The, Bridgeport, Conn. Shears. No. 92,775; July 29; Gaz. vol. 192; p. 1255.
- Acme Supply Company, Chicago, Ill. Flooring construction. No. 89,788; Jan. 14; Gaz. vol. 186; p. 551.
- Acme Torsion Spring Co., Boston, Mass. Supplemental springs for automobiles. No. 94,043; Nov. 4; Gaz. vol. 196; p. 269.
- Acorn Mfg. Co., New York, N. Y. Canisters. No. 91,301; Apr. 29; Gaz. vol. 189; p. 1275.
- Acorn Mills, New York, N. Y. Woolen and worsted piece goods. No. 90,943; Apr. 8; Gaz. vol. 189; p. 517.
- Actien-Gesellschaft für Anilin-Fabrikation, Berlin, Germany. Insect-destroying preparations. No. 93,794; Oct. 21; Gaz. vol. 195; p. 811.
- Adams, Anna D., Chicago, Ill. Perfume, toilet water, face-cream, face and tooth powders. No. 94,234; Nov. 18; Gaz. vol. 196; p. 801.
- Adams & Co., Mfg. Co., New York, N. Y. Stomach-bitters. No. 89,901; Jan. 21; Gaz. vol. 186; p. 793.
- Adams & Elting Company, Chicago, Ill. Varnish. No. 91,830; June 3; Gaz. vol. 191; p. 287.
- Adams & Elting Company, Chicago, Ill. Floor-dressing. No. 92,495; July 15; Gaz. vol. 192; p. 737.
- Adams & Elting Company, Chicago, Ill. Varnish. No. 92,496; July 15; Gaz. vol. 192; p. 737.
- Adams, Taylor & Co., Boston, Mass. Gin. No. 93,952; Oct. 28; Gaz. vol. 195; p. 1045.
- Adams, Taylor & Co., Boston, Mass. Blend whisky. No. 94,044; Nov. 4; Gaz. vol. 196; p. 269.
- Adirondack Tissue Paper Co., New Hartford, N. Y. Toilet-paper. Nos. 92,931-3; Aug. 12; Gaz. vol. 193; p. 503.
- Adirondack Tissue Paper Co., New Hartford, N. Y. Toilet-paper. Nos. 93,795-6; Oct. 21; Gaz. vol. 195; p. 811.
- Adirondack Tissue Paper Co., New Hartford, N. Y. Toilet-paper. No. 94,261; Nov. 25; Gaz. vol. 196; p. 1047.
- Adler, Harry, New York, N. Y. Silk piece goods and silk ribbons. No. 91,406; Apr. 29; Gaz. vol. 189; p. 1278.
- Adler, Leon N., New York, N. Y. Adhesive labeling-paste. No. 94,262; Nov. 25; Gaz. vol. 196; p. 1047.
- Admiralty Trading Co., Inc., Portland, Oreg., and Gambier Bay, Alaska. Canned salmon. No. 89,789; Jan. 14; Gaz. vol. 186; p. 551.
- Admiralty Trading Co., Inc., Portland, Oreg., and Gambier Bay, Alaska. Canned salmon. No. 90,495; Mar. 4; Gaz. vol. 188; p. 237.
- Admiralty Trading Co., Inc., Portland, Oreg., and Gambier Bay, Alaska. Canned salmon. No. 90,944; Apr. 8; Gaz. vol. 189; p. 517.
- Advance Button Company, Attleboro, Mass. Collar-buttons. No. 89,902; Jan. 21; Gaz. vol. 186; p. 793.
- "Aeolian Company," The, Meriden, Conn.; Garwood, N. J., and New York, N. Y. Player-pianos, piano-players, and perforated music-sheets for said instruments. No. 90,279; Feb. 18; Gaz. vol. 187; p. 823.
- Aeolian Company, Meriden, Conn.; Garwood, N. J., and New York, N. Y. Certain named musical instruments and music-sheets therefor. No. 94,145; Nov. 11; Gaz. vol. 196; p. 521.
- Aeolian Company, The, New York, N. Y. Automatic musical instruments. No. 90,945; Apr. 8; Gaz. vol. 189; p. 517.
- Aetna Mills, Watertown and Boston, Mass. Woolen and worsted piece goods. No. 93,654; Oct. 14; Gaz. vol. 195; p. 533.
- Agar-lac, Inc., New York, N. Y. Constipation remedy, a laxative, &c. No. 90,083; Feb. 4; Gaz. vol. 187; p. 227.
- Agricultural Publishing Company, The, Raleigh, N. C., and Birmingham, Ala. Magazine. No. 89,790; Jan. 14; Gaz. vol. 186; p. 551.
- Airease Tire Filler Company, Washington, D. C. Tire-filler compound. No. 90,618; Mar. 11; Gaz. vol. 188; p. 509.
- Akin-Erskine Milling Co., Evansville, Ind. Wheat-flour. No. 93,406; Sept. 16; Gaz. vol. 194; p. 739.
- Akron Brewing Company, The, Akron, Ohio. Beer. No. 94,537; Dec. 16; Gaz. vol. 197; p. 777.
- Aktiebolaget Frigator, Stockholm, Sweden. Refrigerators. No. 89,731; Jan. 7; Gaz. vol. 186; p. 285.
- Aktiebolaget Grumme & Son, Stockholm, Sweden. Mouth-wash and tooth cream, paste, powder, and soap. No. 92,154; June 24; Gaz. vol. 191; p. 1061.
- Aktiebolaget Grumme & Son, Stockholm, Sweden. Mouth-wash. No. 93,144; Aug. 26; Gaz. vol. 193; p. 1011.
- Aktiengesellschaft der Maschinenfabriken Escher Wyss & Cie. Filiale Ravensburg, Ravensburg, Germany. Refrigerating-machines. No. 93,145; Aug. 26; Gaz. vol. 193; p. 1011.
- Aktiengesellschaft vormals B. Siegfried, Zofingen, Switzerland. Pharmaceutical solution. No. 91,628; May 20; Gaz. vol. 190; p. 787.

Alphabetical list of registrants of trade-marks—Continued.

- Aktieselskabet H. E. Gosch & Co.'s Tændstikfabriker Og Aktietændstikfabriken Godthaab, Copenhagen, Denmark. Matches. No. 91,657; May 20; Gaz. vol. 190; p. 788.
- Aktieselskabet Kymeia, Copenhagen, Denmark. Chemical preparations used as a preservative for certain named materials. No. 90,496; Mar. 4; Gaz. vol. 188; p. 237.
- Alabama-Georgia Syrup Co., Montgomery, Ala. Corn and cane syrup. No. 89,971; Jan. 28; Gaz. vol. 186; p. 981.
- Alabastine Company, Grand Rapids, Mich. Liquid paint and wall-coating. No. 91,437; May 6; Gaz. vol. 190; p. 259.
- Alabastine Company, Grand Rapids, Mich. Base for making a paint and a wall-coating. No. 94,538; Dec. 16; Gaz. vol. 197; p. 777.
- Alaska-Portland Packers Association, Portland, Oreg. Canned salmon. Nos. 91,058-60; Apr. 15; Gaz. vol. 189; p. 775.
- Alaska Refrigerator Company, The, Muskegon Heights, Mich. Refrigerators. No. 93,583; Sept. 30; Gaz. vol. 194; p. 1137.
- Albano, Francesco, New York, N. Y. Olive-oil. Nos. 94,146-7; Nov. 11; Gaz. vol. 196; p. 521.
- Albany Chemical Co., Albany, Ga. Remedy for venereal diseases. No. 94,539; Dec. 16; Gaz. vol. 197; p. 777.
- Albany Milling Company, Albany, Mo. Breakfast foods. No. 92,776; July 29; Gaz. vol. 192; p. 1255.
- Albany Perforated Wrapping Paper Company, Albany, N. Y. Toilet-paper. Nos. 91,438-9; May 6; Gaz. vol. 190; p. 259.
- Albany Perforated Wrapping Paper Company, Albany, N. Y. Toilet-paper. Nos. 91,735-47; May 27; Gaz. vol. 190; p. 1023.
- Albany Perforated Wrapping Paper Company, Albany, N. Y. Toilet-paper. No. 92,027; June 17; Gaz. vol. 191; p. 825.
- Albany Perforated Wrapping Paper Company, Albany, N. Y. Toilet-paper. Nos. 92,155-7; June 24; Gaz. vol. 191; p. 1061.
- Albany Perforated Wrapping Paper Company, Albany, N. Y. Toilet-paper. No. 92,383; July 8; Gaz. vol. 192; p. 511.
- Albany Perforated Wrapping Paper Company, Albany, N. Y. Toilet-paper. No. 92,497; July 15; Gaz. vol. 192; p. 737.
- Albany Perforated Wrapping Paper Company, Albany, N. Y. Toilet-paper. Nos. 93,797-8; Oct. 21; Gaz. vol. 195; p. 811.
- Albany Perforated Wrapping Paper Company, Albany, N. Y. Toilet-paper. No. 94,570; Dec. 23; Gaz. vol. 197; p. 991.
- Albemarle Paper Mfg. Co., The, Richmond, Va. Blotting-paper. No. 89,791; Jan. 14; Gaz. vol. 186; p. 551.
- Albert Dickinson Company, Chicago, Ill. Seeds and seed-grains. No. 90,974; Apr. 8; Gaz. vol. 189; p. 518.
- Albert Dickinson Company, The, Chicago, Ill. Dried beans and peas. No. 91,079; Apr. 15; Gaz. vol. 189; p. 775.
- Albert Dickinson Company, The, Chicago, Ill. Alfalfa. No. 94,430; Dec. 9; Gaz. vol. 197; p. 527.
- Albrecht & Meister Aktiengesellschaft, Berlin-Reinickendorf-Ost, Germany. Picture post-cards, chromos, &c. No. 94,045; Nov. 4; Gaz. vol. 196; p. 269.
- Aldabó, Enrique, Habana, Cuba. Mixed drink of alcoholic liquors. No. 91,629; May 20; Gaz. vol. 190; p. 787.
- Alden, Flora S., Boston, Mass. Suspension-chains for electrical fixtures. No. 91,630; May 20; Gaz. vol. 190; p. 787.
- Alden Mills, New Orleans, La. Woven and knitted goods, shirtings, sheetings, &c. No. 92,028; June 17; Gaz. vol. 191; p. 825.
- Alden Speare's Sons Co., The, Cambridge, Mass. Oils and greases. No. 92,498; July 15; Gaz. vol. 192; p. 737.
- Alden Speare's Sons Co., Cambridge, Mass. Laundry starch, wax, sizing, and bleaches. No. 93,934; Oct. 21; Gaz. vol. 195; p. 815.
- Alexander Bros. Co., Savannah, Ga. Overalls. No. 91,748; May 27; Gaz. vol. 190; p. 1023.
- Alexander, Leo, New York, N. Y. Windmills. No. 94,263; Nov. 25; Gaz. vol. 196; p. 1047.
- Alexandra Porcelain Works Ernst Wahliss, Vienna, Austria-Hungary. Porcelain ware. No. 89,792; Jan. 14; Gaz. vol. 186; p. 551.
- Alexis Witte Cutlery Co., New York, N. Y. Razors. No. 93,141; Aug. 19; Gaz. vol. 193; p. 751.
- Alfred Bird and Sons, Limited, Birmingham, England. Baking-powder. No. 92,315; July 1; Gaz. vol. 192; p. 211.
- Alfred Bird and Sons, Limited, Birmingham, England. Custard, egg, and blanc-mange powders. No. 93,960; Oct. 28; Gaz. vol. 195; p. 1045.
- Alfred Bishop Limited, London, England. Medicinal preparations. No. 90,500; Mar. 4; Gaz. vol. 188; p. 237.
- Aliferis & Poulos, New York, N. Y. Ice-cream cones. No. 89,972; Jan. 28; Gaz. vol. 186; p. 981.
- All in One Tractor Company, Waterloo, Iowa. Tractors. No. 91,271; Apr. 22; Gaz. vol. 189; p. 1028.
- Allan Chemical Co., Louisville, Ky., assignor, by mesne assignments, to The Oratone Company, Buffalo, N. Y. Dentifrice. No. 94,540; Dec. 16; Gaz. vol. 197; p. 777.
- Allan Chemical Company, Louisville, Ky. Tooth powder and paste, talcum powder, and toilet water. No. 93,584; Sept. 30; Gaz. vol. 194; p. 1137.
- Alland & Finkel, New York, N. Y. Jewelry and precious-metal ware. No. 92,384; July 8; Gaz. vol. 192; p. 511.
- Allegretti, B., Chicago, Ill. Candies. No. 93,799; Oct. 21; Gaz. vol. 195; p. 811.
- Allen Brothers Company, Omaha, Nebr. Certain named foods. No. 91,831; June 3; Gaz. vol. 191; p. 287.
- Allen Chemical Co., New York, N. Y. Chemical compound for certain named purposes. No. 92,029; June 17; Gaz. vol. 191; p. 825.
- Allen & Hamburgs, Limited, London, England. Medicinal preparation. No. 94,411; Dec. 9; Gaz. vol. 197; p. 527.
- Allen, John R., Kansas City, Mo. Washing-powders. No. 90,773; Mar. 25; Gaz. vol. 188; p. 1047.
- Allen, Lewis C., Parkersburg, W. Va. Ration or lunch. No. 90,862; Apr. 1; Gaz. vol. 189; p. 247.
- Allen Medicine Co., J. P., St. Paul, Minn. Salves and blood-purifiers. No. 91,631; May 20; Gaz. vol. 190; p. 787.
- Allen-Williams Company, Pittsburgh, Pa., and Wheeling, W. Va. Polish for furniture, hardwood floors, &c. No. 92,158; June 24; Gaz. vol. 191; p. 1061.
- Allen-Williams Company, The, Pittsburgh, Pa., and Wheeling, W. Va. Cream or paste for the skin. No. 92,310; July 1; Gaz. vol. 192; p. 211.
- Allgoever, George U. S., New York, N. Y. Certain chemicals, medicines, and pharmaceutical preparations. No. 92,159; June 24; Gaz. vol. 191; p. 1061.
- Alling & Cory Company, The, Rochester, N. Y. Writing, cover, and book paper. No. 91,148; Apr. 22; Gaz. vol. 189; p. 1025.
- Altorfer Bros. Company, Roanoke, Ill. Laundry-washing machines. Nos. 93,655-6; Oct. 14; Gaz. vol. 195; p. 533.
- Amber Hue Co., Pitcairn, Pa. Coffee substitute. No. 89,976; Jan. 28; Gaz. vol. 186; p. 981.
- American Agricultural Chemical Co., New York, N. Y. Fertilizers. No. 92,862; Aug. 5; Gaz. vol. 193; p. 215.
- American Agricultural Chemical Company, New York, N. Y. Fertilizers. No. 91,149; Apr. 22; Gaz. vol. 189; p. 1025.
- American Agricultural Chemical Company, New York, N. Y. Fertilizers. No. 92,160; June 24; Gaz. vol. 191; p. 1061.
- American Agricultural Chemical Company, New York, N. Y. Fertilizers. No. 93,146; Aug. 26; Gaz. vol. 193; p. 1011.
- American Agricultural Chemical Company, The, New York, N. Y. Fertilizers. No. 93,514; Sept. 23; Gaz. vol. 194; p. 947.
- American Asbestos Company, Norristown, Pa. Certain vehicles. No. 93,318; Sept. 9; Gaz. vol. 194; p. 545.
- American Association of Foreign Language Newspapers, Inc., New York, N. Y. Magazine issued semimonthly. No. 94,412; Dec. 9; Gaz. vol. 197; p. 527.
- American Beet Sugar Company, New York, N. Y.; Denver, Colo., and San Francisco, Cal. Certain named foods. No. 90,946; Apr. 8; Gaz. vol. 189; p. 517.
- American Bottling Corporation, Providence, R. I. Whisky. No. 91,150; Apr. 22; Gaz. vol. 189; p. 1025.
- American Bottling Corporation, Providence, R. I. Whisky. No. 93,253; Sept. 2; Gaz. vol. 194; p. 269.
- American Brake Shoe & Foundry Company, Mahwah, N. J., and New York, N. Y. Brake-shoes. No. 90,281; Feb. 18; Gaz. vol. 187; p. 823.
- American Brass Company, The, Waterbury, Conn. Copper wire. No. 92,777; July 29; Gaz. vol. 192; p. 1255.
- American Brass Company, Waterbury, Conn. Electric wire and cables. No. 92,934; Aug. 12; Gaz. vol. 193; p. 503.
- American Brass Company, Waterbury, Conn. Copper wire. No. 94,148; Nov. 11; Gaz. vol. 196; p. 521.
- American Can Company, New York, N. Y. Certain named receptacles. No. 92,935; Aug. 12; Gaz. vol. 193; p. 503.
- American Caramel Co., York, Pa. Caramels and kisses. No. 93,800; Oct. 21; Gaz. vol. 195; p. 811.
- American Cotton Hull & Fibre Company, The, Memphis, Tenn. Cattle feed. No. 92,499; July 15; Gaz. vol. 192; p. 737.
- American Cotton Hull & Fibre Co., Memphis, Tenn. Cotton-seed-hull fiber, paper-pulp, &c. No. 92,863; Aug. 5; Gaz. vol. 193; p. 215.
- American Diamalt Company, The, Cincinnati, Ohio. Chemical used as a dyeing assistant. No. 93,513; Sept. 23; Gaz. vol. 194; p. 947.
- American Felt Company, Boston, Mass. Felt in the piece. No. 94,149; Nov. 11; Gaz. vol. 196; p. 521.
- American Felt Company, Boston, Mass. Felt in the piece. No. 94,413; Dec. 9; Gaz. vol. 197; p. 527.
- American Glue Company, Boston, Mass. Sandpapers, garnet-papers, and emery papers and cloths. No. 94,709; Dec. 30; Gaz. vol. 197; p. 1287.
- American Gum Products Co., Boston, Mass. Manufactured gum. No. 92,500; July 15; Gaz. vol. 192; p. 737.
- American Home Magazine Company, New York, N. Y. Periodical magazine. No. 91,303; Apr. 29; Gaz. vol. 189; p. 1275.

Alphabetical list of registrants of trade-marks—Continued.

- American Hominy Company, Indianapolis, Ind. Corn-product adhesive paste. No. 90,619; Mar. 11; Gaz. vol. 188; p. 509.
- American Hominy Company, Indianapolis, Ind. Cattle feed. No. 90,947; Apr. 8; Gaz. vol. 189; p. 517.
- American Hominy Company, Indianapolis, Ind. Stock feed. No. 91,542; May 13; Gaz. vol. 190; p. 543.
- American Hominy Company, Indianapolis, Ind. Stock feed. No. 92,501; July 15; Gaz. vol. 192; p. 737.
- American Hosiery Company, New Britain, Conn. Knitted union suits. No. 91,061; Apr. 15; Gaz. vol. 189; p. 775.
- American Humane Association, Albany, N. Y. Magazine. No. 92,161; June 24; Gaz. vol. 191; p. 1061.
- American Lady Corset Company, Detroit, Mich. Corsets. No. 91,304; Apr. 29; Gaz. vol. 189; p. 1275.
- American Lady Corset Company, Detroit, Mich. Cotton cloth. No. 93,657; Oct. 14; Gaz. vol. 195; p. 533.
- American Liquid Fire Proofing Company, Mason City, Iowa. Fireproof liquid for treating fabrics. No. 90,948; Apr. 8; Gaz. vol. 189; p. 517.
- American Manufacturing Company, Boston, Mass. Cordage. Nos. 89,793-4; Jan. 14; Gaz. vol. 186; p. 551.
- American Manufacturing Company, Boston, Mass. Lath-yarn. No. 89,973; Jan. 28; Gaz. vol. 186; p. 981.
- American Manufacturing Company, Boston, Mass., and New York, N. Y. Sash-cord. No. 91,927; June 10; Gaz. vol. 191; p. 581.
- American Manufacturing Company, Boston, Mass., and New York, N. Y. Clothes-lines. Nos. 91,928-32; June 10; Gaz. vol. 191; p. 581.
- American Manufacturing Company, Boston, Mass. Rope. No. 93,319; Sept. 9; Gaz. vol. 194; p. 545.
- American Manufacturing and Distributing Company, Louisville, Ky. Liquid filler for pneumatic tires. No. 94,046; Nov. 4; Gaz. vol. 196; p. 269.
- American Milk Company, Chicago, Ill. Condensed milk. No. 93,624; Oct. 7; Gaz. vol. 195; p. 271.
- American Motor Car Co., assignor to American Motors Company, Indianapolis, Ind. Automobiles. No. 92,162; June 24; Gaz. vol. 191; p. 1061.
- American Multigraph Sales Company, The, Cleveland, Ohio. Certain machinery, tools, and parts thereof. No. 92,385; July 8; Gaz. vol. 192; p. 511.
- American Naval Stores Company, Savannah, Ga. Wood-turpentine. No. 91,442; May 6; Gaz. vol. 190; p. 259.
- American Optical Company, Southbridge, Mass. Certain named scientific appliances. No. 89,795; Jan. 14; Gaz. vol. 186; p. 551.
- American Optical Company, Southbridge, Mass. Eye-glasses, spectacles, &c. No. 90,034; Feb. 4; Gaz. vol. 187; p. 227.
- American Optical Company, Southbridge, Mass. Certain measuring and scientific appliances. No. 92,386; July 8; Gaz. vol. 192; p. 511.
- American Optical Company, Southbridge, Mass. Certain cutlery, machinery, tools, and parts thereof. No. 92,387; July 8; Gaz. vol. 192; p. 511.
- American Optical Company, Southbridge, Mass. Certain receptacles. No. 92,864; Aug. 5; Gaz. vol. 193; p. 215.
- American Optical Company, Southbridge, Mass. Eye-glasses, spectacles, lenses, nose-guards, &c. No. 93,585; Sept. 30; Gaz. vol. 194; p. 1137.
- American Paint & Color Co., The, Arkansas City, Kans. Paint for condensers and other metal structures. No. 94,571; Dec. 23; Gaz. vol. 197; p. 991.
- American Photographic Text Book Company, The, Scranton, Pa. Certain named measuring and scientific appliances. No. 94,414; Dec. 9; Gaz. vol. 197; p. 527.
- American Pin Company, Waterbury, Conn. Wastes and overflows. No. 91,443; May 6; Gaz. vol. 190; p. 259.
- American "Radio Thor X" Company, The, Chicago, Ill. Chemical compound for diabetes. No. 93,407; Sept. 16; Gaz. vol. 194; p. 739.
- American Roofing Co., The, Inc., Kansas City, Mo. Asphalt shingles. No. 93,060; Aug. 19; Gaz. vol. 193; p. 749.
- American Sales Book Company, Limited, Toronto, Ontario, Canada, and Niagara Falls, Elmira, and Glendale, N. Y. Manifold-books. No. 90,401; Feb. 25; Gaz. vol. 187; p. 1111.
- American Sales Book Company, Limited, Toronto, Ontario, Canada, and Niagara Falls, Elmira, and Glendale, N. Y. Bond-papers. Nos. 90,949-50; Apr. 8; Gaz. vol. 189; p. 517.
- American Shade Roller Co., Brooklyn, N. Y. Shade-rollers. No. 91,151; Apr. 22; Gaz. vol. 189; p. 1025.
- American Sheet & Tin Plate Company, Pittsburgh, Pa. Iron and steel sheets and plates and tin andterne plates. No. 94,572; Dec. 23; Gaz. vol. 197; p. 991.
- American Steel & Wire Co. of New Jersey, Cleveland, Ohio; Chicago, Ill.; Pittsburgh, Pa.; New York, N. Y.; Worcester, Mass., and Hoboken, N. J. Sulfate of iron. No. 94,573; Dec. 23; Gaz. vol. 197; p. 991.
- American Stove Company, St. Louis, Mo. Automatic water-heaters. No. 90,863; Apr. 1; Gaz. vol. 189; p. 247.
- American Sugar Refining Company, The, Jersey City, N. J. Sugar. No. 89,796; Jan. 14; Gaz. vol. 186; p. 551.
- American Sugar Refining Company, The, Jersey City, N. J. Sugar. No. 89,974; Jan. 28; Gaz. vol. 186; p. 981.
- American Sugar Refining Company, Jersey City, N. J. Sugar. No. 90,497; Mar. 4; Gaz. vol. 188; p. 237.
- American Sugar Refining Company, The, Jersey City, N. J. Syrup for use as food. No. 93,408; Sept. 16; Gaz. vol. 194; p. 739.
- American Sugar Refining Company, The, Jersey City, N. J. Syrup for use as food. Nos. 93,486-8; Sept. 16; Gaz. vol. 194; p. 741.
- American Sugar Refining Company, The, Jersey City, N. J. Molasses. Nos. 94,574-6; Dec. 23; Gaz. vol. 195; p. 991.
- American Tobacco Company, The, New York, N. Y. Long-cut tobacco. No. 89,975; Jan. 28; Gaz. vol. 186; p. 981.
- American Type Founders Company, Jersey City, N. J. Type, spaces, and quads. No. 93,801; Oct. 21; Gaz. vol. 195; p. 811.
- American Wire Fabrics Company, Chicago, Ill., and Clinton, Iowa. Screen wire-cloth. No. 93,658; Oct. 14; Gaz. vol. 195; p. 533.
- American Woolen Company, Jersey City, N. J., and Boston, Mass. Woolen piece goods. Nos. 90,402-4; Feb. 25; Gaz. vol. 187; p. 1111.
- American Woolen Company, Jersey City, N. J., and Boston, Mass. Woolen piece goods. No. 90,951; Apr. 8; Gaz. vol. 189; p. 517.
- American Woolen Company, Jersey City, N. J., and Boston, Mass. Woolen bed-blankets. No. 91,287; Apr. 22; Gaz. vol. 189; p. 1029.
- American Woolen Company, Jersey City, N. J., and Boston, Mass. Woolen piece goods. Nos. 91,288-90; Apr. 22; Gaz. vol. 189; p. 1029.
- American Writing Paper Company, Holyoke, Mass. Writing and printing paper. No. 90,952; Apr. 8; Gaz. vol. 189; p. 517.
- American Writing Paper Company, Holyoke, Mass. Writing and printing paper. No. 91,543; May 13; Gaz. vol. 190; p. 543.
- American Writing Paper Co., Holyoke, Mass. Book-paper. No. 92,388; July 8; Gaz. vol. 192; p. 511.
- Ames Shovel and Tool Company, Boston, Mass. Shovels. No. 92,614; July 22; Gaz. vol. 192; p. 983.
- Ames Shovel & Tool Company, Jersey City, N. J., and Boston, Mass. Shovels, spades, and scoops. Nos. 92,615-17; July 22; Gaz. vol. 192; p. 983.
- Amies Asphalt Co., The, Huron, S. D., and Philadelphia, Pa. Paving composition. No. 93,061; Aug. 19; Gaz. vol. 193; p. 749.
- Amieux & Cie., M., Nantes, France. Canned sardines. No. 90,774; Mar. 25; Gaz. vol. 188; p. 1047.
- Amieux & Cie., M., Nantes, France. Canned sardines and tunny-fish. No. 93,802; Oct. 21; Gaz. vol. 195; p. 811.
- Ammon & Person, Jersey City, N. J. Butter. No. 92,030; June 17; Gaz. vol. 191; p. 825.
- Amoskeag Manufacturing Company, Manchester, N. H. Cotton piece goods. No. 94,509; Dec. 9; Gaz. vol. 197; p. 530.
- Anchor Packing Company, The, Camden, N. J., and Philadelphia, Pa. Machinery packing. No. 91,305; Apr. 29; Gaz. vol. 189; p. 1275.
- Ancienne Fabrique Vacheron & Constantin Société Anonyme, Geneva, Switzerland. Watch cases, movements, and parts. No. 91,306; Apr. 29; Gaz. vol. 189; p. 1275.
- Ancienne Fabrique Vacheron & Constantin Société Anonyme, Geneva, Switzerland. Watch cases, movements, and parts. No. 91,444; May 6; Gaz. vol. 190; p. 259.
- Anderson & Co., Wm., New York, N. Y. Percalé. No. 94,578; Dec. 23; Gaz. vol. 197; p. 991.
- Anderson, David W., Richmond, Va. Bottled spring-water. No. 92,032; June 17; Gaz. vol. 191; p. 825.
- Anderson, Gustave, Flushing, N. Y. Sofas and beds. No. 90,405; Feb. 25; Gaz. vol. 187; p. 1111.
- Anderson, James A., St. Louis, Mo. Laundry boxes, bags, and cartons. No. 94,577; Dec. 23; Gaz. vol. 197; p. 991.
- Andrew Greis Company, Inc., The, New York, N. Y. Corrugated-iron roofing and siding. No. 91,767; May 27; Gaz. vol. 190; p. 1024.
- Andrew Jergens Co., The, Cincinnati, Ohio, and New York, N. Y. Toilet soaps. No. 89,977; Jan. 28; Gaz. vol. 186; p. 981.
- Andrew Jergens Co., The, Cincinnati, Ohio, and New York, N. Y. Toilet soaps. No. 90,341; Feb. 18; Gaz. vol. 187; p. 825.
- Andrew Jergens Co., The, Cincinnati, Ohio, and New York, N. Y. Perfumes and toilet water. No. 90,709; Mar. 18; Gaz. vol. 188; p. 804.
- Angelo Brothers Limited, Calcutta, India. Prepared shellac. No. 94,150; Nov. 11; Gaz. vol. 196; p. 521.
- Anglo-American Mill Co., Owensboro, Ky. Flour-mills. No. 93,147; Aug. 26; Gaz. vol. 193; p. 1011.
- Anglo-American Pharmaceutical Company Ltd., The, Croydon, England, and New York, N. Y. Antiseptic powder. No. 94,780; Dec. 30; Gaz. vol. 197; p. 1289.
- Anglo-Indian Drug & Chemical Co., The, Bombay, India. Perfumed hair-oil. No. 92,618; July 22; Gaz. vol. 192; p. 983.
- Angonoa, Antonio, New York, N. Y. Bread-sticks. No. 93,515; Sept. 23; Gaz. vol. 194; p. 947.
- Angostura Bitters (Dr. J. G. B. Siegert & Sons) Limited, Port of Spain, Trinidad, British West Indies. Tonic bitters. No. 90,152; Feb. 11; Gaz. vol. 187; p. 507.

Alphabetical list of registrants of trade-marks—Continued.

- Angus Company, New York, N. Y. Monthly magazine. No. 93,659; Oct. 14; Gaz. vol. 195; p. 533.
- Animoll Manufacturing Company, Philadelphia, Pa. Belt-dressings. No. 94,151; Nov. 11; Gaz. vol. 196; p. 521.
- Ankeny, Calvin M., Somerset, Pa. Crates. No. 94,579; Dec. 23; Gaz. vol. 197; p. 991.
- Annin & Co., New York, N. Y. Bunting. No. 91,749; May 27; Gaz. vol. 190; p. 1023.
- Annuzzi, Rosa, San Francisco, Cal. Salve. No. 94,781; Dec. 30; Gaz. vol. 197; p. 1289.
- Ansonia Clock Company, The, New York, N. Y. Clocks. No. 91,832; June 3; Gaz. vol. 191; p. 287.
- Ansonia Clock Company, The, New York, N. Y. Clocks. No. 93,409; Sept. 16; Gaz. vol. 194; p. 739.
- Ant. Himmelbauer & Co., Vienna, Austria-Hungary. Mineral wax. No. 92,311; July 1; Gaz. vol. 192; p. 211.
- Anthracite Overall Mfg. Co., Scranton, Pa. Overalls and overjackets. No. 93,803; Oct. 21; Gaz. vol. 195; p. 811.
- Anthrol Wood Preserving Co., New York, N. Y. Waterproof paint. No. 91,632; May 20; Gaz. vol. 190; p. 787.
- Antikamnia Chemical Company, The, St. Louis, Mo. Salve. No. 91,408; Apr. 29; Gaz. vol. 189; p. 1278.
- Antikamnia Chemical Company, The, St. Louis, Mo. Medicinal tablets. No. 91,445; May 6; Gaz. vol. 190; p. 259.
- Antikamnia Chemical Company, The, St. Louis, Mo. Remedy for constipation, biliousness, la grippe, &c. No. 91,933; June 10; Gaz. vol. 191; p. 581.
- Antikamnia Chemical Company, The, St. Louis, Mo. Remedy for certain named ailments. No. 93,148; Aug. 26; Gaz. vol. 193; p. 1011.
- Anyone Limited, Steaveley, county of Westmoreland, England. Photographic papers. No. 90,498; Mar. 4; Gaz. vol. 188; p. 237.
- Arborol Chemical Company. (See Copleston, Henry, assignor.)
- Arbuckle Bros., New York, N. Y. Coffee. No. 93,254; Sept. 2; Gaz. vol. 194; p. 269.
- Arbuckle Brothers, New York, N. Y. Sugar. No. 89,978; Jan. 28; Gaz. vol. 186; p. 981.
- Arbuthnot-Stephenson Co., Pittsburgh, Pa. Hosiery. No. 92,479; July 8; Gaz. vol. 192; p. 513.
- Archer, Marie A., New York, N. Y. Toilet lotion. No. 90,085; Feb. 4; Gaz. vol. 187; p. 227.
- Archie, Wm. N., Atlanta, Ga. Dressing-combs made of cotton fiber. No. 94,580; Dec. 23; Gaz. vol. 197; p. 991.
- Arcadares, Peter G., Seattle, Wash. Remedy for certain named diseases. No. 89,732; Jan. 7; Gaz. vol. 186; p. 285.
- Arista Mills Company, Winston-Salem, N. C. Cotton piece goods. No. 90,086; Feb. 4; Gaz. vol. 187; p. 227.
- Aristos Company, The, Wilmington, Del., and New York, N. Y. Shock-preventers. No. 94,710; Dec. 30; Gaz. vol. 197; p. 1287.
- Arkadelphia Milling Co., Arkadelphia, Ark. Wheat-flour. No. 93,804; Oct. 21; Gaz. vol. 195; p. 811.
- Armstrong, Sara N., Dresden, Ohio. Carpet-cleaner. No. 91,152; Apr. 22; Gaz. vol. 189; p. 1025.
- Army & Navy Co-operative Company, Newburgh and New York, N. Y.; Philadelphia, Pa., and Washington, D. C. Certain named clothing. No. 93,805; Oct. 21; Gaz. vol. 195; p. 811.
- Arnold, P. & J., London, England. Carbon-paper. No. 90,406; Feb. 25; Gaz. vol. 187; p. 1111.
- Arny, L. C., New Orleans, La. Drink made from celery, ginger-ale, and club-soda. No. 91,634; May 20; Gaz. vol. 190; p. 787.
- Art Brass Company, New York, N. Y. Certain holders, brackets, racks, hooks, shelves, bath seats and sprays, &c. No. 94,582; Dec. 23; Gaz. vol. 197; p. 991.
- Art Metal Construction Co., Jamestown, N. Y. Railings, gates, and office-partitions. No. 93,660; Oct. 14; Gaz. vol. 195; p. 533.
- Art Metal Construction Co., Jamestown, N. Y. Safety-deposit boxes. No. 93,953; Oct. 28; Gaz. vol. 195; p. 1045.
- Art Metal Construction Co., Jamestown, N. Y. Certain named steel and plain furniture. No. 94,047; Nov. 4; Gaz. vol. 196; p. 269.
- Art Metal Construction Co., Jamestown, N. Y. Trucks. No. 94,048; Nov. 4; Gaz. vol. 196; p. 269.
- Art Metal Construction Co., Jamestown, N. Y. Safes. No. 94,049; Nov. 4; Gaz. vol. 196; p. 269.
- Artcraft Lithographing Company, Detroit, Mich. Writing-paper. No. 91,833; June 3; Gaz. vol. 191; p. 287.
- Arthur Chemical Co., New Haven, Conn. Sachet, cleansing-cream, and toilet powder. No. 90,620; Mar. 11; Gaz. vol. 188; p. 509.
- Arthur Chemical Co., The, New Haven, Conn. Toilet powder. No. 93,411; Sept. 16; Gaz. vol. 194; p. 739.
- Arthur Chemical Co., New Haven, Conn. Toilet soap. No. 93,586; Sept. 30; Gaz. vol. 194; p. 1137.
- Arthur Chemical Co., New Haven, Conn. Perfumes, sachet and toilet powder, waters, and creams, &c. No. 94,541; Dec. 16; Gaz. vol. 197; p. 777.
- Arthur S. Hoyt Co., New York, N. Y. Alimentary paste products. No. 94,182; Nov. 11; Gaz. vol. 196; p. 522.
- Artificial Flower Co., Chicago, Ill. Crushed marble. No. 92,865; Aug. 5; Gaz. vol. 193; p. 215.
- Arwe, Carl H., Brooklyn, N. Y. Certain named hardware and plumbing supplies. No. 93,062; Aug. 19; Gaz. vol. 193; p. 749.
- Arwe, Carl H., Brooklyn, N. Y. Liquid-measures. No. 93,255; Sept. 2; Gaz. vol. 194; p. 269.
- Ashland Anchor Co., Ashland, Ohio. Fence, telegraph, and telephone pole anchors. No. 91,834; June 3; Gaz. vol. 191; p. 287.
- Ashland Manufacturing Company, Ashland, Ohio. Automobile jacks and tire-savers. No. 91,835; June 3; Gaz. vol. 191; p. 287.
- Aspegren & Co., New York, N. Y. Cotton-seed oil. Nos. 91,446-9; May 6; Gaz. vol. 190; p. 259.
- Associated Farm Papers, Chicago, Ill.; Pittsburgh, Pa., and New York, N. Y. Papers and magazines. No. 93,661; Oct. 14; Gaz. vol. 195; p. 533.
- Associated Manufacturers' Company, Waterloo, Iowa. Internal-combustion engines. No. 93,320; Sept. 9; Gaz. vol. 194; p. 545.
- Associated Manufacturers' Company, Waterloo, Iowa. Internal-combustion engines. No. 93,412; Sept. 16; Gaz. vol. 194; p. 739.
- Astruck, John H., New York, N. Y. Ash-receivers and match-holders. No. 93,807; Oct. 21; Gaz. vol. 195; p. 811.
- Atkin & Hartman, Inc., New York, N. Y. Shirts and pajamas. No. 90,407; Feb. 25; Gaz. vol. 187; p. 1111.
- Atkins, Frank K., Philadelphia, Pa. Game-board. No. 92,778; July 29; Gaz. vol. 192; p. 1255.
- Atkins, James S., assignor to The Samuel Chemical Company, Cincinnati, Ohio. Medicinal preparations. No. 89,733; Jan. 7; Gaz. vol. 186; p. 285.
- Atlanta Utility Works, East Point, Ga. Certain machinery, tools, and parts thereof. No. 91,545; May 13; Gaz. vol. 190; p. 543.
- Atlantic Insulated Wire & Cable Company, Jersey City, N. J., and Stamford, Conn. Electric wire. No. 90,088; Feb. 4; Gaz. vol. 187; p. 227.
- Atlantic Macaroni Co., The, Long Island City, N. Y. Macaroni. Nos. 89,797-807; Jan. 14; Gaz. vol. 186; p. 551.
- Atlantic Macaroni Co., The, Long Island City, N. Y. Macaroni. No. 92,163; June 24; Gaz. vol. 191; p. 1061.
- Atlantic Macaroni Co., The, Long Island City, N. Y. Alimentary paste products. Nos. 92,502-6; July 15; Gaz. vol. 192; p. 737.
- Atlantic Macaroni Co., Long Island City, N. Y. Macaroni. No. 92,937; Aug. 12; Gaz. vol. 193; p. 503.
- Atlantic Macaroni Co., The, Long Island City, N. Y. Macaroni. No. 93,227; Aug. 26; Gaz. vol. 193; p. 1013.
- Atlantic Macaroni Co., Long Island City, N. Y. Alimentary paste products. Nos. 94,153-6; Nov. 11; Gaz. vol. 196; p. 521.
- Atlantic Macaroni Co., Long Island City, N. Y. Macaroni. No. 94,157; Nov. 11; Gaz. vol. 196; p. 521.
- Atlantic Macaroni Co., The, Long Island City, N. Y. Alimentary paste products. No. 94,344; Dec. 2; Gaz. vol. 197; p. 235.
- Atlantic Maritime Company, Kittery, Me., and Boston, Mass. Wheat-flour. No. 90,671; Mar. 18; Gaz. vol. 188; p. 803.
- Atlantic Southwestern Broom Co., Baltimore, Md. Broom. No. 93,150; Aug. 26; Gaz. vol. 193; p. 1011.
- Atlas Bituminous Enamel Co., The, Wilmington, Del. Enamel paint. No. 93,415; Sept. 16; Gaz. vol. 194; p. 739.
- Atlas Powder Company, Wilmington, Del. Dynamite. No. 94,583; Dec. 23; Gaz. vol. 197; p. 991.
- Atlas Tire Company, Inc., New York, N. Y. Rubber tires, inner tubes, and liners. No. 91,307; Apr. 29; Gaz. vol. 189; p. 1275.
- Atuyer, Bianchini, Ferier, Lyon, France, and New York, N. Y. Piece fabrics of silk, linen, cotton, &c. No. 93,954; Oct. 28; Gaz. vol. 195; p. 1045.
- Aurich, Alban, Hartmannsdorf, Germany. Gloves. No. 94,584; Dec. 23; Gaz. vol. 197; p. 991.
- Aurora Metal Company, Aurora, Ill. Metallic packings. No. 91,546; May 13; Gaz. vol. 190; p. 543.
- Aurora & Vulcan Co., Bridgeport, Conn. Spark-plugs. No. 92,164; June 24; Gaz. vol. 191; p. 1061.
- Aus, Sophie C., New York, N. Y. Skin remedy. No. 91,934; June 10; Gaz. vol. 191; p. 581.
- Austin Brothers, Dallas, Tex. Monthly magazine. No. 93,587; Sept. 30; Gaz. vol. 194; p. 1137.
- Austin, Nichols & Co., New York, N. Y. Certain named foods. No. 90,153; Feb. 11; Gaz. vol. 187; p. 507.
- Austin, Nichols & Co., New York, N. Y. Certain named foods. No. 91,450; May 6; Gaz. vol. 190; p. 259.
- Austin Soap Works, Chicago, Ill. Cleansing preparation. No. 91,935; June 10; Gaz. vol. 191; p. 581.
- Austro-Hungarian Art Co., Inc., New York, N. Y. Perfumes, toilet waters, and face-powders. No. 93,588; Sept. 30; Gaz. vol. 194; p. 1137.
- Austro-Hungarian Art Co., Inc., New York, N. Y. Artificial flowers. No. 93,662; Oct. 14; Gaz. vol. 195; p. 533.
- Austin-Walker Sales Company, New York, N. Y. Safety-pins. No. 94,585; Dec. 23; Gaz. vol. 197; p. 991.
- Austral Window Company, Augusta, Me., and New York, N. Y. Windows. No. 94,586; Dec. 23; Gaz. vol. 197; p. 991.
- Auto Parts Mfg. Co., Milwaukee, Wis. Automobile accessories. No. 94,345; Dec. 2; Gaz. vol. 197; p. 235.

Alphabetical list of registrants of trade-marks—Continued.

- Auto Vacuum Freezer Company, Omaha, Nebr. Ice-cream freezers. No. 89,808; Jan. 14; Gaz. vol. 186; p. 551.
- Automatic Enunciator Co., Chicago, Ill. Phonograph and reproducing devices connected therewith. No. 93,663; Oct. 14; Gaz. vol. 195; p. 533.
- Automatic Shaft Coupling Company. (See Cathcart, Frank H., assignor.)
- Autopiano Company, The, New York, N. Y. Player-pianos and pianos. No. 93,416; Sept. 16; Gaz. vol. 194; p. 739.
- Autosales Gum & Chocolate Company, New York, N. Y. Chewing-gum. No. 90,953; Apr. 8; Gaz. vol. 189; p. 517.
- Autosales Gum and Chocolate Company, New York, N. Y. Candy. No. 91,062; Apr. 15; Gaz. vol. 189; p. 775.
- Autosales Gum and Chocolate Company, New York, N. Y. Chewing-gum. Nos. 94,587-8; Dec. 23; Gaz. vol. 197; p. 991.
- Aufran & Ardisson, Paris, France. Perfumery. No. 94,416; Dec. 9; Gaz. vol. 197; p. 527.
- Avery Scale Company, The, North Milwaukee, Wis. Scales. No. 93,808; Oct. 21; Gaz. vol. 195; p. 811.
- Ayer, Harriet H., New York, N. Y. Toilet waters and perfumes. No. 91,153; Apr. 22; Gaz. vol. 189; p. 1025.
- Ayer & Son, N. W., Philadelphia, Pa.; New York, N. Y.; Boston, Mass.; Chicago, Ill., and Cleveland, Ohio. Newspaper-directories. No. 89,809; Jan. 14; Gaz. vol. 186; p. 551.
- B. Altman & Co., New York, N. Y. Gloves. No. 89,903; Jan. 21; Gaz. vol. 186; p. 793.
- B. Altman & Co., New York, N. Y. Corsets and bodices. No. 89,904; Jan. 21; Gaz. vol. 186; p. 793.
- B. Altman & Co., New York, N. Y. Gloves. No. 91,302; Apr. 29; Gaz. vol. 189; p. 1275.
- B. Kuppenheimer & Company, Chicago, Ill. Overcoats, coats, vests, and trousers. No. 93,365; Sept. 9; Gaz. vol. 194; p. 546.
- B. Muratti, Sons & Co., Limited, Manchester, England. Cigarettes. Nos. 92,701-2; July 22; Gaz. vol. 192; p. 985.
- B. F. Goodrich Co., The. (See Diamond Rubber Company, assignor.)
- B. F. Goodrich Company, The, Akron, Ohio. Rubber hose. No. 90,692; Mar. 18; Gaz. vol. 188; p. 803.
- B. F. Goodrich Company, The, New York, N. Y., and Akron, Ohio. Flush-valves. No. 92,335; July 1; Gaz. vol. 192; p. 211.
- B. F. Goodrich Company, The, New York, N. Y., and Akron, Ohio. Hard-rubber battery-jars. No. 94,075; Nov. 4; Gaz. vol. 196; p. 270.
- B. F. Sturtevant Company, Boston, Mass. Heating, lighting, and ventilating apparatus, not including electrical apparatus. No. 90,661; Mar. 11; Gaz. vol. 188; p. 510.
- B. M. Shipman Co., New York, N. Y. Certain named foods. No. 91,041; Apr. 8; Gaz. vol. 189; p. 520.
- B. M. Shipman Co., New York, N. Y. Cod johnnies, bloaters, and herring. No. 91,808; May 27; Gaz. vol. 190; p. 1025.
- Babcock & Wilcox Company, The, Bayonne, N. J. Boilers, superheaters, stokers, and parts thereof. No. 89,810; Jan. 14; Gaz. vol. 186; p. 551.
- Bache-Denman Coal Co., Fort Smith, Ark. Coal. No. 90,282; Feb. 18; Gaz. vol. 187; p. 823.
- Bachmann, Robert A., Newport, R. I. Preparation for venereal diseases. No. 93,321; Sept. 9; Gaz. vol. 194; p. 545.
- Back-Rack Collar Button Co., Providence, R. I. Collar and cuff buttons and shirt-studs. No. 94,346; Dec. 2; Gaz. vol. 197; p. 235.
- Bacorn Company, The, Elmira, N. Y. Remedy for certain named diseases. No. 92,779; July 29; Gaz. vol. 192; p. 1255.
- Badger Medicine Company, Waterloo, Wis. Laxatives and cathartics, ointments, &c. No. 92,620; July 22; Gaz. vol. 192; p. 983.
- Badger Oil Specialty Co., Milwaukee, Wis. Ammonia. No. 94,264; Nov. 25; Gaz. vol. 196; p. 1047.
- Badische Anilin- & Soda-Fabrik, Ludwigshafen-on-the-Rhine, Germany. Anilin dyes and other named chemicals. No. 93,955; Oct. 28; Gaz. vol. 195; p. 1045.
- Baer Bros., New York, N. Y. Bronze powders, bronzing liquids, &c. No. 90,672; Mar. 18; Gaz. vol. 188; p. 803.
- Bailly & Cie., P., Paris, France. Shoulder-braces and suspenders. Nos. 92,939-40; Aug. 12; Gaz. vol. 193; p. 503.
- Baker & Bennett Co., New York, N. Y. Children's letter-blocks. No. 93,668; Oct. 14; Gaz. vol. 195; p. 533.
- Baker, George M., Bath, N. Y. Neckties, sashes, and hat-bands. No. 92,034; June 17; Gaz. vol. 191; p. 825.
- Baker, Louis L., Winchester, Va. Polishing compound for certain named varnished or waxed surfaces. No. 90,283; Feb. 18; Gaz. vol. 187; p. 823.
- Baker, W. I., Decatur, Ill. Candy. No. 92,312; July 1; Gaz. vol. 192; p. 211.
- Baldwin Garment Company, Holyoke, Mass. House-dresses. No. 93,322; Sept. 9; Gaz. vol. 194; p. 545.
- Ball, C. S., Dayton, Ohio. Chocolate creams. No. 93,957; Oct. 28; Gaz. vol. 195; p. 1045.
- Ball Chemical Company, Pittsburgh, Pa. Preparations for removing paint and other coatings from surfaces. No. 91,451; May 6; Gaz. vol. 190; p. 259.
- Ballin & Taylor, New York, N. Y. Crash and toweling. No. 94,265; Nov. 25; Gaz. vol. 196; p. 1047.
- Baltimore Bargain House, Baltimore, Md. Paints. No. 91,308; Apr. 29; Gaz. vol. 189; p. 1275.
- Bancroft, Jessie H., New York, N. Y. Certain named clothing for men, boys, women, and girls. No. 91,937; June 10; Gaz. vol. 191; p. 581.
- Banfil, William H., Boston, Mass. Fire-extinguishers. No. 90,494; Feb. 25; Gaz. vol. 187; p. 1113.
- Barbers United Syndicate, Brooklyn, N. Y. Shampoo preparation. No. 91,635; May 20; Gaz. vol. 190; p. 787.
- Barbour-Stockwell Company, Cambridge, Mass. Railway mates, crossings, frogs, and turnouts. No. 91,751; May 27; Gaz. vol. 190; p. 1023.
- Barclay & Barclay, New York, N. Y. Dentifrice. No. 93,516; Sept. 23; Gaz. vol. 194; p. 947.
- Barclay & Barclay, New York, N. Y. Preparation for improving and dyeing hair, dentifrice, &c. No. 93,625; Oct. 7; Gaz. vol. 195; p. 271.
- Barco Brass & Joint Co., Chicago, Ill. Pipe joints and connections, cut-out valves, &c. No. 91,309; Apr. 29; Gaz. vol. 189; p. 1275.
- Barker, Harris & Kehrhaun, Boston, Mass. Canned fish. No. 93,228; Aug. 26; Gaz. vol. 193; p. 1013.
- Barker, James, Philadelphia, Pa. Pushmobiles. No. 91,938; June 10; Gaz. vol. 191; p. 581.
- Barley, Ellwood E., Exeter, Cal. Monthly magazine. No. 93,323; Sept. 9; Gaz. vol. 194; p. 545.
- Barnaby Manufacturing Co., Fall River, Mass. Cotton piece goods. No. 90,776; Mar. 25; Gaz. vol. 188; p. 1047.
- Barnard & Company, M. J., Portland, Oreg. Deodorizers. No. 93,324; Sept. 9; Gaz. vol. 194; p. 545.
- Barnes & Kobert Manufacturing Company, The, New Haven, Conn. Certain pressed steel pole line hardware. No. 93,256; Sept. 2; Gaz. vol. 194; p. 269.
- Barrett Manufacturing Company, New York, N. Y. Pitch for roofing, waterproofing, &c. No. 89,980; Jan. 28; Gaz. vol. 186; p. 981.
- Barrett Manufacturing Company, New York, N. Y. Tar distillates. No. 91,409; Apr. 29; Gaz. vol. 189; p. 1278.
- Barrett Manufacturing Company, New York, N. Y. Naphthalene. No. 91,452; May 6; Gaz. vol. 190; p. 259.
- Barrett Manufacturing Company, New York, N. Y. Tarred felt roofing. No. 91,547; May 13; Gaz. vol. 190; p. 543.
- Barrett Manufacturing Company, New York, N. Y. Coal-tar oils. No. 91,836; June 3; Gaz. vol. 191; p. 287.
- Barrett Manufacturing Company, New York, N. Y. Prepared roofings. No. 92,167; June 24; Gaz. vol. 191; p. 1061.
- Barrett Manufacturing Company, New York, N. Y. Prepared roofings. No. 93,325; Sept. 9; Gaz. vol. 194; p. 545.
- Barrow, Morris, New York, N. Y. Dress-shields. No. 93,669; Oct. 14; Gaz. vol. 195; p. 533.
- Barse & Hopkins, New York, N. Y. Calendar and collection of mottos. Nos. 91,154-8; Apr. 22; Gaz. vol. 189; p. 1025.
- Barse & Hopkins, New York, N. Y. Certain prints and publications. No. 93,326; Sept. 9; Gaz. vol. 194; p. 545.
- Barse & Hopkins, New York, N. Y. Calendar and collection of mottos. No. 93,626; Oct. 7; Gaz. vol. 195; p. 271.
- Barse & Hopkins, New York, N. Y. Calendar and collection of mottoes. Nos. 94,417-18; Dec. 9; Gaz. vol. 197; p. 527.
- Barth, Fritz, Barmen, Germany. Certain fancy goods, furnishings, and notions. No. 92,780; July 29; Gaz. vol. 192; p. 1255.
- Bartlett, Albert G., Los Angeles, Cal. Lubricating-oils. No. 94,589; Dec. 23; Gaz. vol. 197; p. 991.
- Bartlett-Orr Press, New York, N. Y. Certain named prints and publications. No. 94,419; Dec. 9; Gaz. vol. 197; p. 527.
- Bartlett, William A., Aurora, Ill. Face-cream. No. 91,636; May 20; Gaz. vol. 190; p. 787.
- Batavia Rubber Company, Batavia, N. Y. Rubber tires and tire-shoes. No. 90,155; Feb. 11; Gaz. vol. 187; p. 507.
- Bates, Wilbur M., New York, N. Y. Bacteriological preparation. No. 90,499; Mar. 4; Gaz. vol. 188; p. 237.
- Bates, Wilbur M., New York, N. Y. Certain medicine and pharmaceutical preparations. No. 91,410; Apr. 29; Gaz. vol. 189; p. 1278.
- Bates, Wilbur M., New York, N. Y. Bacteriological culture. No. 91,411; Apr. 29; Gaz. vol. 189; p. 1278.
- Bath Marine Construction Co., Bath, Me. Motor-boats. No. 90,408; Feb. 25; Gaz. vol. 187; p. 1111.
- Baulig, Theodore F., Egg Harbor City, N. J. Union-suits, drawers, shirts, &c. No. 89,905; Jan. 21; Gaz. vol. 186; p. 793.
- Bauman, Alvin L., St. Louis, Mo. Marking devices and marking-rolls for decorative purposes. No. 93,152; Aug. 26; Gaz. vol. 193; p. 1011.
- Bayer Company, Inc., The, New York, N. Y. Copper preparation to be used in the treatment of tuberculosis. No. 94,590; Dec. 23; Gaz. vol. 197; p. 991.
- Beach, Edward F., St. Louis, Mo. Adhesive cement. No. 90,621; Mar. 11; Gaz. vol. 188; p. 509.

- Beacon Falls Rubber Shoe Company, The, Beacon Falls, Conn. Rubber boots, shoes, arctics, &c. No. 91,837; June 3; Gaz. vol. 191; p. 287.
- Beacon Falls Rubber Shoe Company, Beacon Falls, Conn. Boots and shoes. No. 92,624; July 22; Gaz. vol. 192; p. 983.
- Beacon Lighting Company, The, Pittsburgh, Pa. Incandescent gas-mantles and gas-burners. No. 92,389; July 8; Gaz. vol. 192; p. 511.
- Beamish, John H., London, England. Certain games and accessories for same. No. 91,939; June 10; Gaz. vol. 191; p. 581.
- Beattie Manufacturing Company, Little Falls, N. J.; New York, N. Y., and Chicago, Ill. Textile rugs. No. 92,035; June 17; Gaz. vol. 191; p. 825.
- Beaudry & Company, Inc., Boston, Mass. Power and trip hammers. No. 92,508; July 15; Gaz. vol. 192; p. 737.
- Beaumont Rice Mills, Beaumont and El Campo, Tex. Rice. No. 92,390; July 8; Gaz. vol. 192; p. 511.
- Beaumont Rice Mills, Beaumont and El Campo, Tex. Rice. No. 92,509; July 15; Gaz. vol. 192; p. 737.
- Beaver Soap Company, The, Dayton, Ohio. Soap. No. 90,955; Apr. 8; Gaz. vol. 189; p. 517.
- Beaver, William H., Philadelphia, Pa. Writing and printing paper. No. 92,781; July 29; Gaz. vol. 192; p. 1255.
- Beck, Henry W., St. Louis, Mo. Oats. No. 92,941; Aug. 12; Gaz. vol. 193; p. 503.
- Beck, Louis, Louisville, Ky. Whisky and gin. No. 92,391; July 8; Gaz. vol. 192; p. 511.
- Beck, Samuel C., Chicago, Ill. Rubber. No. 93,489; Sept. 16; Gaz. vol. 194; p. 741.
- Becker, Frederick W., New York, N. Y. Chin-rest for stringed musical instruments. No. 90,956; Apr. 8; Gaz. vol. 189; p. 517.
- Becker, Leon, San Francisco, Cal. Hair-grower and hair and scalp remedy. No. 93,063; Aug. 19; Gaz. vol. 193; p. 749.
- Beckman Company, Cleveland, Ohio. Blankets. No. 93,671; Oct. 14; Gaz. vol. 195; p. 533.
- Beehler, William H., Baltimore, Md. Umbrellas, parasols, and canes. No. 93,672; Oct. 14; Gaz. vol. 195; p. 533.
- Behrend, Frederick, New York, N. Y. Paints, varnishes, and other like painters' materials. No. 93,589; Sept. 30; Gaz. vol. 194; p. 1137.
- Beiersdorf & Co., P., Hamburg, Germany. Cosmetic powder and pastes and preparations for the hair. No. 93,627; Oct. 7; Gaz. vol. 195; p. 271.
- Belmer, Henry, Winona, Minn. Medicinal bitters. No. 93,958; Oct. 28; Gaz. vol. 195; p. 1045.
- Belber Trunk & Bag Company, The, Philadelphia, Pa. Suit-cases, traveling-bags, trunks, &c. No. 90,622; Mar. 11; Gaz. vol. 188; p. 509.
- Belden, Alfred G., New York, N. Y. Lubricating oils and greases. No. 90,777; Mar. 25; Gaz. vol. 188; p. 1047.
- Belding Bros. & Co., Rockville, Conn., and New York, N. Y. Textile threads. No. 90,673; Mar. 18; Gaz. vol. 188; p. 803.
- Belknap Hardware and Manufacturing Company, Louisville, Ky. Go-carts. No. 91,638; May 20; Gaz. vol. 190; p. 787.
- Belknap Hardware and Manufacturing Company, Louisville, Ky. Bicycles. No. 91,940; June 10; Gaz. vol. 191; p. 581.
- Bell & Sons, George, London, England. White pine, pitch-pine, spruce, hard woods, &c. No. 91,838; June 3; Gaz. vol. 191; p. 287.
- Bellevue Chemical Company, Brooklyn, N. Y. Disinfectants, germicide, and deodorizer. No. 91,839; June 3; Gaz. vol. 191; p. 287.
- Bellville Promoting Co., Bellville, Tex. Butter. No. 93,809; Oct. 21; Gaz. vol. 195; p. 811.
- Benedict & Son, E. L., Cleveland, Ohio. Butter. No. 90,409; Feb. 25; Gaz. vol. 187; p. 1111.
- Benedictus, Edouard, Paris, France. Reinforced glass. No. 93,153; Aug. 26; Gaz. vol. 193; p. 1011.
- Benger Söhne, Wilhelm, Stuttgart, Germany. Certain named clothing for men, women, and children. No. 92,475; July 8; Gaz. vol. 192; p. 513.
- Benger Söhne, Wilhelm, Stuttgart, Germany. Woven and knit fabrics and stockinet. No. 94,683; Dec. 23; Gaz. vol. 197; p. 994.
- Benjamin Moore & Co., Jersey City, N. J., and New York, N. Y. White paste paint. No. 91,501; May 6; Gaz. vol. 190; p. 261.
- Bennett & Company, E. W., San Francisco, Cal. Polishing and cleaning compound. No. 92,392; July 8; Gaz. vol. 192; p. 511.
- Bennett-Merwin Silver Company, The, New Milford, Conn. Certain flat, hollow, and table ware. No. 91,548; May 13; Gaz. vol. 190; p. 543.
- Bennett & White Inc., Newark, N. J. Perforated music-sheets. No. 94,158; Nov. 11; Gaz. vol. 196; p. 521.
- Benoit, Constant, New York, N. Y. Adhesive shellac. No. 93,418; Sept. 16; Gaz. vol. 194; p. 739.
- Bente, William F., Seattle, Wash. Remedy for certain diseases. No. 94,347; Dec. 2; Gaz. vol. 197; p. 235.
- Bentz, Harry, Montclair, N. J. Porous water-holding receptacles used as air-moisteners. No. 91,639; May 20; Gaz. vol. 190; p. 787.
- Benzinwerke Rhenania Gesellschaft mit beschränkter Haftung, Düsseldorf-Reisholz, Germany. Turpentine and turpentine compositions. No. 91,540; May 6; Gaz. vol. 190; p. 262.
- Berard, Frank, Spencer, Mass. Remedy for certain diseases. No. 93,419; Sept. 16; Gaz. vol. 194; p. 739.
- Berendsdorf, Martha, Berlin, Germany. Remedy for epilepsy. No. 89,906; Jan. 21; Gaz. vol. 186; p. 793.
- Berg Bros., New York, N. Y. Hair-nets. Nos. 93,810-11; Oct. 21; Gaz. vol. 195; p. 811.
- Berger & Co., E., New York, N. Y. Medicated lozenge. No. 94,593; Dec. 23; Gaz. vol. 197; p. 991.
- Berger, Max, Philadelphia, Pa. Sweeping compound. No. 89,982; Jan. 28; Gaz. vol. 186; p. 981.
- Berkel, William, Jersey City, N. J. Electroplating compound. No. 91,640; May 20; Gaz. vol. 190; p. 787.
- Berkenfeld, Israel, Cleveland, Ohio. Coats and trousers. No. 91,310; Apr. 29; Gaz. vol. 189; p. 1275.
- Berkley Chemical Company, The, Norfolk, Va. Fertilizers. Nos. 90,778-9; Mar. 25; Gaz. vol. 188; p. 1047.
- Berkley Chemical Company, The, Norfolk, Va. Fertilizers. No. 91,159; Apr. 22; Gaz. vol. 189; p. 1025.
- Berkshire Springs Co., New York, N. Y. Mineral water. No. 94,711; Dec. 30; Gaz. vol. 197; p. 1287.
- Berlin Mills Company, Portland, Me. Wrapping-paper. No. 90,957; Apr. 8; Gaz. vol. 189; p. 517.
- Berlin Mills Company, Portland, Me. Wrapping-paper. No. 91,160; Apr. 22; Gaz. vol. 189; p. 1025.
- Berlin Mills Company, Portland, Me. Sheathing-papers. No. 91,941; June 10; Gaz. vol. 191; p. 581.
- Berliner, Herbert S., Washington, D. C. Calculating-machines. No. 94,542; Dec. 16; Gaz. vol. 197; p. 777.
- Berliner, Lazar, Brooklyn, N. Y. Preparation for dandruff and falling hair. No. 91,161; Apr. 22; Gaz. vol. 189; p. 1025.
- Berliner, Strauss & Meyer, New York, N. Y. Neck ties and scarfs. No. 90,864; Apr. 1; Gaz. vol. 189; p. 247.
- Berndorf Metal Works Arthur Krupp, Berndorf, Austria-Hungary. Certain named articles of hardware. No. 90,780; Mar. 25; Gaz. vol. 188; p. 1047.
- Berndorf Metal Works Arthur Krupp, Berndorf, Austria-Hungary. Cigar-lighters. No. 91,162; Apr. 22; Gaz. vol. 189; p. 1025.
- Berndorf Metal Works Arthur Krupp, Berndorf, Austria-Hungary. Certain named electroplated and nickel-silver articles. No. 91,311; Apr. 29; Gaz. vol. 189; p. 1275.
- Berndorf Metal Works Arthur Krupp, Berndorf, Austria-Hungary. Cigar-lighters. No. 91,840; June 3; Gaz. vol. 191; p. 287.
- Bernfeld Bros., New York, N. Y. Hair-tonic. No. 92,313; July 1; Gaz. vol. 192; p. 211.
- Berry Brothers, Detroit, Mich. Varnishes. No. 92,782; July 29; Gaz. vol. 192; p. 1256.
- Berry Brothers, Detroit, Mich. Shellac gum. No. 92,866; Aug. 5; Gaz. vol. 193; p. 215.
- Berry Brothers, Detroit, Mich. Wood-alcohol. No. 93,628; Oct. 7; Gaz. vol. 195; p. 271.
- Berry Brothers, Ltd., Detroit, Mich. Substitute for linseed-oil. No. 93,327; Sept. 9; Gaz. vol. 194; p. 545.
- Berry & Co., C., Boston, Mass. Port-wine. No. 94,348; Dec. 2; Gaz. vol. 197; p. 235.
- Berry & Co., C., Boston, Mass. Sherry-wine. No. 94,349; Dec. 2; Gaz. vol. 197; p. 235.
- Berry & Co., E. P., New York, N. Y. Cereal preparations for making beverages. No. 92,314; July 1; Gaz. vol. 192; p. 211.
- Berry, William R., Kansas City, Mo., and New York, N. Y. Piano-players. No. 91,064; Apr. 15; Gaz. vol. 189; p. 775.
- Berthe May, Inc., New York, N. Y. Corsets. No. 90,822; Mar. 25; Gaz. vol. 188; p. 1048.
- Bessire & Company, Indianapolis, Ind., and Louisville, Ky. Certain named foods. No. 94,266; Nov. 25; Gaz. vol. 196; p. 1047.
- Best & Company, New York, N. Y. Gloves. No. 93,328; Sept. 9; Gaz. vol. 194; p. 545.
- Best & Company, New York, N. Y. Hosiery and underwear. No. 93,329; Sept. 9; Gaz. vol. 194; p. 545.
- Best Manufacturing Company, The, Inc., San Leandro, Cal. Traction-engines, harvesters, headers, and separators. No. 93,330; Sept. 9; Gaz. vol. 194; p. 545.
- Bethesda Mineral Spring Co., Waukesha, Wis. Mineral water and ginger-ale. No. 91,065; Apr. 15; Gaz. vol. 189; p. 775.
- Bethesda Mineral Spring Co., Waukesha, Wis. Mineral water and ginger-ale. No. 91,163; Apr. 22; Gaz. vol. 189; p. 1025.
- Bethlehem Manufacturing Company, North Bethlehem, Pa. Sleds. No. 91,312; Apr. 29; Gaz. vol. 189; p. 1275.
- Betts, Sylvester J., Raleigh, N. C. Headache and neuralgia remedies. No. 92,625; July 22; Gaz. vol. 192; p. 983.
- Bevens, William E., Newport, Ark. Chill-tonic, pill, and ointment. No. 93,959; Oct. 28; Gaz. vol. 195; p. 1045.
- Beyerle Mfg. Co., J. J., Brooklyn, N. Y. Dress-shields. No. 91,291; Apr. 22; Gaz. vol. 189; p. 1029.
- Bianchi, Ludwig O., Jersey City, N. J. Bread. No. 92,170; June 24; Gaz. vol. 191; p. 1061.

Alphabetical list of registrants of trade-marks—Continued.

- Biddle, Alexander W., Philadelphia, Pa. Golf-clubs. No. 92,510; July 15; Gaz. vol. 192; p. 737.
- Biddle Hardware Company, Philadelphia, Pa. Certain cutlery, machinery, tools, and parts thereof. No. 93,331; Sept. 9; Gaz. vol. 194; p. 545.
- Bienhoff, Benjamin B., Minneapolis, Minn. Machine for displaying advertising-posters, &c. No. 93,154; Aug. 26; Gaz. vol. 193; p. 1011.
- Bigelow Binder Co., New York, N. Y. Temporary binders and loose-leaf files. No. 92,171; June 24; Gaz. vol. 191; p. 1061.
- Bigelow Brush Co., Baltimore, Md. Brushes. No. 91,454; May 6; Gaz. vol. 190; p. 259.
- Bigelow Brush Co., The, Baltimore, Md. Brushes. Nos. 91,549-50; May 13; Gaz. vol. 190; p. 543.
- Billings-Chapin Company, The, Cleveland, Ohio. Paints and varnishes. No. 93,155; Aug. 26; Gaz. vol. 193; p. 1011.
- Billman & Sons, C. H., Shelbyville, Ind. Wheat-flour. No. 89,811; Jan. 14; Gaz. vol. 186; p. 551.
- Biograph Company, New York, N. Y. Moving-picture films and cameras, microscope-pictures, and exhibiting-machines. No. 94,594; Dec. 23; Gaz. vol. 197; p. 991.
- Birckhead, George H., Baltimore, Md. Headache remedy. No. 90,089; Feb. 4; Gaz. vol. 187; p. 227.
- Birdsey-Somers Co., New York, N. Y. Corsets. Nos. 91,455-6; May 6; Gaz. vol. 190; p. 259.
- Birdsey-Somers Co., New York, N. Y. Corsets and corset-waists. No. 93,812; Oct. 21; Gaz. vol. 195; p. 811.
- Birdsey-Somers Company, New York, N. Y. Dress-shields. No. 92,783; July 29; Gaz. vol. 192; p. 1256.
- Birk Bros. Brewing Co., Chicago, Ill. Beer. No. 89,907; Jan. 21; Gaz. vol. 186; p. 793.
- Birkin & Co., Nottingham, England. Linen laces. No. 93,673; Oct. 14; Gaz. vol. 195; p. 533.
- Birmingham Small arms Company, Limited, The, Birmingham, England. Certain named firearms and parts thereof. No. 89,812; Jan. 14; Gaz. vol. 186; p. 551.
- Bissell Carpet Sweeper Company, Grand Rapids, Mich. Carpet-sweepers. No. 89,908; Jan. 21; Gaz. vol. 186; p. 793.
- Bissell Carpet Sweeper Company, Grand Rapids, Mich. Portable carpet-cleaning machines. No. 90,090; Feb. 4; Gaz. vol. 187; p. 227.
- Bitume Company of America, The, San Francisco, Cal. Paints. No. 93,064; Aug. 19; Gaz. vol. 193; p. 749.
- Black Bros., Beatrice, Nebr. Wheat-flour. No. 90,675; Mar. 18; Gaz. vol. 188; p. 803.
- Black, Charles, New York, N. Y. Adhesive cement. No. 91,313; Apr. 29; Gaz. vol. 189; p. 1275.
- Blackman, Elmer E., Lincoln, Nebr., and Fort Dodge, Iowa. Waterproofing solution or filler. No. 89,734; Jan. 7; Gaz. vol. 186; p. 285.
- Blackmon, Charles D., Rochester, N. Y. Chewing-gum. No. 90,285; Feb. 18; Gaz. vol. 187; p. 823.
- Blair, Henry C., Philadelphia, Pa. Salve, ointment, liniment, &c. No. 90,674; Mar. 18; Gaz. vol. 188; p. 803.
- Blake, Ellis G., Lake Helen, Fla. Oranges, lemons, limes, grape-fruit, and tangerines. No. 92,511; July 15; Gaz. vol. 192; p. 737.
- Blanchisserie et Teinturerie de Thaon, Thaon, France. Cellulose sheets. No. 92,036; June 17; Gaz. vol. 191; p. 825.
- Blanchite Paint Company, New York, N. Y., assignor, by mesne assignments, to Blanchite Paint Company. Automobile and carriage paints. No. 91,752; May 27; Gaz. vol. 190; p. 1023.
- Blankertz, Rudolf, Berlin, Germany. Steel writing-pens. Nos. 90,501-3; Mar. 4; Gaz. vol. 188; p. 237.
- Blanton Manufacturing Company, St. Louis, Mo. Oleomargarin. No. 90,958; Apr. 8; Gaz. vol. 189; p. 517.
- Blanton & McKay Company, The, Cincinnati, Ohio. Butter-separators, churns, &c. No. 93,068; Aug. 19; Gaz. vol. 193; p. 749.
- Blatt, Benjamin, New York, N. Y. Human-hair switches and puffs and prepared human hair. No. 90,284; Feb. 18; Gaz. vol. 187; p. 823.
- Blechman & Sons, S., New York, N. Y. Suspenders. No. 91,063; Apr. 15; Gaz. vol. 189; p. 775.
- Blood, Wolfe & Co., Liverpool, England. Beer. No. 92,942; Aug. 12; Gaz. vol. 193; p. 503.
- Blue Peter Cigarette Co., Inc., New York, N. Y. Cigarettes. No. 94,160; Nov. 11; Gaz. vol. 196; p. 521.
- Bluh, Charles G., Brooklyn, N. Y. Belts for personal wear. No. 93,157; Aug. 26; Gaz. vol. 193; p. 1011.
- Blum Brothers, Chicago, Ill. Underwear. No. 91,754; May 27; Gaz. vol. 190; p. 1023.
- Blunden-Lyon Company, The, Chicago, Ill. Writing and bond paper. No. 91,164; Apr. 22; Gaz. vol. 189; p. 1025.
- Blunden-Lyon Company, The, Chicago, Ill. Writing and bond paper. No. 92,867; Aug. 5; Gaz. vol. 193; p. 215.
- Blyth, John, Cincinnati, Ohio, assignor to Blyth Tea Company. Bourbon Santos coffee. No. 92,784; July 29; Gaz. vol. 192; p. 1256.
- Blyth & Platt, Limited, Watford, England. Cleaning certain named articles, and certain polishes. No. 94,420; Dec. 9; Gaz. vol. 197; p. 527.
- Blyth Tea Company. (See Blyth, John, assignor.)
- Bobrow Bros., Philadelphia, Pa. Cigars, cigarettes, and tobacco. No. 91,165; Apr. 22; Gaz. vol. 189; p. 1025.
- Bobrow Bros., Philadelphia, Pa. Cigars, cigarettes, and tobacco. No. 92,393; July 8; Gaz. vol. 192; p. 511.
- Bodega, Paris, France. Port and sherry wine. No. 91,753; May 27; Gaz. vol. 190; p. 1023.
- Boehringer, Albert, Nieder-Ingelheim, Germany. Preparation of opium. No. 90,505; Mar. 4; Gaz. vol. 188; p. 237.
- Boldemann Chocolate Co. Inc., San Francisco, Cal. Candy. No. 92,037; June 17; Gaz. vol. 191; p. 825.
- Bole Drug Company, The, Winnipeg, Manitoba, Canada. Kidney-pills. No. 94,159; Nov. 11; Gaz. vol. 196; p. 521.
- Bollinger-Babbage Company, Louisville, Ky. Canned fruits and vegetables. No. 91,553; May 13; Gaz. vol. 190; p. 543.
- Bond, Edwin P., New York, N. Y. Liniment or lotion for certain named diseases. No. 92,173; June 24; Gaz. vol. 191; p. 1061.
- Bonetti Frères, Paris, France. Ointment. No. 94,552; Dec. 16; Gaz. vol. 197; p. 777.
- Bonfigt, Franz, Aachen, Germany. Fret-saws for gold and silver smiths. No. 93,158; Aug. 26; Gaz. vol. 193; p. 1011.
- Bonk, Joseph A., New York, N. Y. Salve. No. 90,157; Feb. 11; Gaz. vol. 187; p. 507.
- Bonner, Charles G., Fresno, Cal. Dried fruits and raisins. No. 93,629; Oct. 7; Gaz. vol. 195; p. 271.
- Bonnet Baking Company, San Antonio, Tex. Bread and cakes. No. 90,782; Mar. 25; Gaz. vol. 188; p. 1047.
- Boonton Rubber Manufacturing Company, Boonton, N. J. Electrical insulators. No. 93,069; Aug. 19; Gaz. vol. 193; p. 749.
- Borden Milk Company, Limited, Montreal, Canada. Condensed milk. No. 92,943; Aug. 12; Gaz. vol. 193; p. 503.
- Borden Remedy Co., The, Norfolk, Va. Remedy for affections in form of a capsule. No. 91,166; Apr. 22; Gaz. vol. 189; p. 1025.
- Borden's Condensed Milk Co., New York, N. Y. Chocolates. Nos. 90,625-7; Mar. 11; Gaz. vol. 188; p. 509.
- Borden's Condensed Milk Co., New York, N. Y. Ice-cream. No. 92,038; June 17; Gaz. vol. 191; p. 825.
- Bornemann, Edward, Rutherford, N. J. Sweaters, hoods, toques, and caps. No. 90,783; Mar. 25; Gaz. vol. 188; p. 1047.
- Boston Belting Company, Boston, Mass. Textile belting. No. 89,983; Jan. 28; Gaz. vol. 186; p. 981.
- Boston Rubber Company, Boston, Mass. Rubber coats. No. 93,815; Oct. 21; Gaz. vol. 195; p. 811.
- Boston Rubber Shoe Company, Malden and Boston, Mass. Rubber boots and shoes. No. 90,865; Apr. 1; Gaz. vol. 189; p. 247.
- Bottum & Torrance Co., Bennington, Vt. Shirt-waists, house-dresses, and aprons. No. 92,176; June 24; Gaz. vol. 191; p. 1061.
- Bovill & Co., Walter, Liverpool, England, and New York, N. Y. Ale, stout, and beer. No. 90,866; Apr. 1; Gaz. vol. 189; p. 247.
- Bovill & Co., Walter, Liverpool, England, and New York, N. Y. Shoe-gin. No. 90,867; Apr. 1; Gaz. vol. 189; p. 247.
- Bowersock, Justin D., Lawrence, Kans. Paper and fiber boxes. No. 89,984; Jan. 28; Gaz. vol. 186 p. 981.
- Bowker Chemical Company, New York, N. Y. Compound for refining sugar. No. 91,641; May 20; Gaz. vol. 190; p. 787.
- Bowles, George, Westport, Conn. Eggs. No. 92,394; July 8; Gaz. vol. 192; p. 511.
- Bowman, Frank, Habana, Cuba. Macaroni. No. 92,039; June 17; Gaz. vol. 191; p. 825.
- Bowser, Emery, Kittanning, Pa. Metal-polish. No. 91,844; June 3; Gaz. vol. 191; p. 287.
- Boy Scouts of America, Washington, D. C., and New York, N. Y. Books, pamphlets, prints, &c. No. 90,960; Apr. 8; Gaz. vol. 189; p. 517.
- Boyd & Co., H. T., New York, N. Y. Lawns. No. 90,411; Feb. 25; Gaz. vol. 187; p. 1111.
- Boyden Shoe Manufacturing Company, Newark, N. J. Boots, shoes, pumps, and slippers. No. 93,816; Oct. 21; Gaz. vol. 195; p. 811.
- Bradbury Equalizer Company, The, Cocksackie, N. Y. Remedy for diseases of horses. No. 94,350; Dec. 2; Gaz. vol. 197; p. 235.
- Bradley & Metcalf Company, Milwaukee, Wis. Children's leather shoes. No. 90,785; Mar. 25; Gaz. vol. 188; p. 1047.
- Bradner Smith & Co., Chicago, Ill. Paper, envelopes, and Bristol-board. No. 94,351; Dec. 2; Gaz. vol. 197; p. 235.
- Bradt-Lane Company, Troy, N. Y., now by judicial change of name Pilcher-Lane Company. Certain named articles of clothing. No. 92,629; July 22; Gaz. vol. 192; p. 983.
- Brady, Philip J., New York, N. Y. Aluminum-cleanser. No. 93,517; Sept. 23; Gaz. vol. 194; p. 947.
- Brambach Piano Company, New York, N. Y. Pianos. Nos. 90,286-7; Feb. 18; Gaz. vol. 187; p. 823.
- Brampton Brothers Limited, Birmingham, England. Certain named parts of certain named vehicles. No. 89,813; Jan. 14; Gaz. vol. 186; p. 551.

Alphabetical list of registrants of trade-marks—Continued.

- Brandekow Gebrüder, Berlin, Germany. Drop-glasses. No. 90,154; Feb. 11; Gaz. vol. 187; p. 507.
- Brandt Cashier Company, Chicago, Ill. Money-changers. No. 93,421; Sept. 16; Gaz. vol. 194; p. 739.
- Braun Corporation, Los Angeles, Cal. Centrifugal extractors. No. 92,316; July 1; Gaz. vol. 192; p. 211.
- Braun, Frank X., Scranton, Pa. Medicine for blood diseases. No. 94,052; Nov. 4; Gaz. vol. 196; p. 269.
- Braun & Sons, John, Philadelphia, Pa. Lawn-mowers. No. 90,507; Mar. 4; Gaz. vol. 188; p. 237.
- Braunberger, John, Burlington, Iowa. Tobacco. No. 90,158; Feb. 11; Gaz. vol. 187; p. 507.
- Bremner Bros., Chicago, Ill. Cakes, crackers, wafers, and biscuits. No. 92,040; June 17; Gaz. vol. 191; p. 825.
- Brentano, Simon, Orange, N. J., and New York, N. Y. Bath-powder. No. 94,782; Dec. 30; Gaz. vol. 197; p. 1289.
- Brewer, Clyde L., Trinidad, Colo. Liniment. No. 93,680; Oct. 14; Gaz. vol. 195; p. 533.
- Brewster, E. Franklin, Rochester, N. Y. Canned vegetables, pork and beans, and salmon. No. 91,845; June 3; Gaz. vol. 191; p. 287.
- Brey, Edward W., Woonsocket, R. I. Dandruff-remover and hair-renewer. No. 94,268; Nov. 25; Gaz. vol. 196; p. 1047.
- Brickman, Walter E., Chicago, Ill. Varnish-remover. No. 93,681; Oct. 14; Gaz. vol. 195; p. 533.
- Bridgeport Brass Company, Bridgeport, Conn. Certain named hardware and plumbing and steam-fitting supplies. No. 92,530; July 15; Gaz. vol. 192; p. 738.
- Brigadell, James C., Atlantic City, N. J. Preparation for removing certain stains from cloths and fabrics. No. 90,412; Feb. 25; Gaz. vol. 187; p. 1111.
- Bright Manufacturing Company, Chicago, Ill. Envelops. No. 90,288; Feb. 18; Gaz. vol. 187; p. 823.
- Brill Brothers, New York, N. Y. Coats, vests, pants, and overcoats. No. 92,395; July 8; Gaz. vol. 192; p. 511.
- Brill Brothers, New York, N. Y. Certain named clothing for men and women. No. 93,070; Aug. 19; Gaz. vol. 193; p. 749.
- Brilliant Silk Mfg. Co., The, New York, N. Y. Silk piece goods. No. 91,412; Apr. 29; Gaz. vol. 189; p. 1278.
- Brinser, Solomon C., Middletown, Pa. Cornmeal. No. 94,352; Dec. 2; Gaz. vol. 197; p. 235.
- Bristol-Myers Company, Brooklyn, N. Y. Tonic laxative, cathartic, hepatic stimulant, &c. No. 91,642; May 20; Gaz. vol. 190; p. 787.
- British Cork Asphalt Ltd., London, England. Certain named construction materials. No. 92,177; June 24; Gaz. vol. 191; p. 1061.
- Britize Company, The, San Francisco, Cal. Metal-polish. No. 94,053; Nov. 4; Gaz. vol. 196; p. 269.
- Brockton Peoples Shoe Co., Brockton, Mass. Leather shoes. No. 94,510; Dec. 9; Gaz. vol. 197; p. 530.
- Brockway, Dwight K., Blue Island, Ill. Remedy for certain named diseases. No. 90,961; Apr. 8; Gaz. vol. 189; p. 517.
- Broderick & Bascom Rope Company, St. Louis, Mo. Tow-lines. No. 91,069; Apr. 15; Gaz. vol. 189; p. 775.
- Broderick & Bascom Rope Company, St. Louis, Mo. Cables and ropes. No. 92,786; July 29; Gaz. vol. 192; p. 1256.
- Broderick & Bascom Rope Company, St. Louis, Mo. Cables and ropes. No. 93,682; Oct. 14; Gaz. vol. 195; p. 533.
- Broderick & Bascom Rope Company, St. Louis, Mo. Cables and ropes. No. 93,962; Oct. 28; Gaz. vol. 195; p. 1045.
- Brolt Limited, Birmingham, England. Certain electrical apparatus, machines, and supplies. No. 91,457; May 6; Gaz. vol. 190; p. 259.
- Bromwell Brush and Wire Goods Co., The, Cincinnati, Ohio. Brushes. No. 89,985; Jan. 28; Gaz. vol. 186; p. 981.
- Bronston Bros. & Co., New York, N. Y. Straw hats. No. 94,595; Dec. 23; Gaz. vol. 197; p. 991.
- Brooks, George R., Nashville, Tenn. Remedy for headache, hay-fever, &c. No. 89,909; Jan. 21; Gaz. vol. 186; p. 793.
- Brotherhood Wine Company, New York, N. Y. Altar-wine. No. 93,591; Sept. 30; Gaz. vol. 194; p. 1137.
- Brower, John H., New York, N. Y. Wheat-flour. No. 94,596; Dec. 23; Gaz. vol. 197; p. 991.
- Brown, Albert C., Chicago, Ill. Compression-cocks, faucets, and metallic valves. No. 93,683; Oct. 14; Gaz. vol. 195; p. 534.
- Brown & Barlow Ltd., Birmingham, England. Carburizers. No. 90,289; Feb. 18; Gaz. vol. 187; p. 823.
- Brown & Bigelow, St. Paul, Minn. Monthly periodical. No. 92,944; Aug. 12; Gaz. vol. 193; p. 503.
- Brown & Bros., A. H., Boston, Mass. Wheat-flour. No. 90,962; Apr. 8; Gaz. vol. 189; p. 517.
- Brown, Chester J., Newburgh, N. Y. Remedy for rheumatism. No. 91,942; June 10; Gaz. vol. 191; p. 581.
- Brown, Leonard W., Camden, N. J. Bread. No. 92,042; June 17; Gaz. vol. 191; p. 825.
- Brown Manufacturing Company, The, Ltd., Letchworth, England. Sticky devices for catching flies. No. 91,943; June 10; Gaz. vol. 191; p. 581.
- Brown Shoe Co., The, St. Louis, Mo., assignor to Brown Shoe Company, Millbrook, N. Y. Leather shoes. No. 90,786-8; Mar. 25; Gaz. vol. 188; p. 1047.
- Brown Shoe Co., The, St. Louis, Mo., assignor to Brown Shoe Company, Inc., Millbrook, N. Y. Leather shoes. No. 93,817; Oct. 21; Gaz. vol. 195; p. 811.
- Brown, William H., Cleveland, Ohio. Certain measuring and scientific appliances. No. 92,945; Aug. 12; Gaz. vol. 193; p. 503.
- Browning, Mrs. D. J., Lakeland, Fla. Remedy for certain named diseases. No. 91,414; Apr. 29; Gaz. vol. 189; p. 1278.
- Bruce & Son, Pittsfield, Mass. Oranges and grape-fruit. No. 93,518; Sept. 23; Gaz. vol. 194; p. 947.
- Brun, Bernard L., Baltimore, Md. Pomatum. No. 93,258; Sept. 2; Gaz. vol. 194; p. 269.
- Brunssen Co., Geo., New York, N. Y. Uniform hats, caps, and helmets. No. 90,963; Apr. 8; Gaz. vol. 189; p. 517.
- Bryant, Charles, London, England. Chains of precious metal. No. 94,543; Dec. 16; Gaz. vol. 197; p. 777.
- Bryant, Frederick H., Longmeadow, Mass. Remedy for certain named diseases. No. 91,415; Apr. 29; Gaz. vol. 189; p. 1278.
- Buchanan Coal Company, Chicago, Ill. Coal. No. 94,421; Dec. 9; Gaz. vol. 197; p. 527.
- Buchsbaum Fashion Company, Inc., New York, N. Y. Sketches, drawings, and prints and folders for same. No. 91,554; May 13; Gaz. vol. 190; p. 543.
- Buffalo Car Wheel Fdy. Co., Buffalo, N. Y. Car-wheels. No. 94,055; Nov. 4; Gaz. vol. 196; p. 269.
- Buffalo Steam Roller Company, Buffalo, N. Y. Certain machinery and tools and parts thereof. No. 92,043; June 17; Gaz. vol. 191; p. 825.
- Bühler Gebrüder, Uzwil, Switzerland. Certain cutlery, machinery, tools, and parts thereof. No. 93,519; Sept. 23; Gaz. vol. 194; p. 947.
- Burberys, London, England. Suits, overcoats, shirts, and gaiters. No. 93,819; Oct. 21; Gaz. vol. 195; p. 811.
- Burk Brothers, Philadelphia, Pa. Calf, kid, and goat skins. No. 92,630; July 22; Gaz. vol. 192; p. 983.
- Burk, Jacob E., Indianapolis, Ind. Remedy for diseases of the stomach, liver, kidneys, &c. No. 92,317; July 1; Gaz. vol. 192; p. 211.
- Burke & Co., Boston, Mass. Whiskies. No. 90,413; Feb. 25; Gaz. vol. 187; p. 1111.
- Burke, Frank G., New York, N. Y. Talcum powder. No. 94,235; Nov. 18; Gaz. vol. 196; p. 801.
- Burke, Frank G., New York, N. Y. Toilet soaps. No. 94,424; Dec. 9; Gaz. vol. 197; p. 527.
- Burke, Thomas P., New Albany, Ind. Textile rugs. No. 93,071; Aug. 19; Gaz. vol. 193; p. 749.
- Burkhardt Brewing Company, Boston, Mass. Beer. No. 90,676; Mar. 18; Gaz. vol. 188; p. 803.
- Burley & Tyrrell Company, Chicago, Ill. Porcelain or earthenware articles. No. 91,643; May 20; Gaz. vol. 190; p. 787.
- Burmout Specialty Company, Fernwood, Pa. Hand-torpedoes. No. 93,963; Oct. 28; Gaz. vol. 195; p. 1045.
- Burnham, Leonard A., Gloucester, Mass. Fish-lines. No. 92,178; June 24; Gaz. vol. 191; p. 1061.
- Burnham-Munger-Root Dry Goods Co., Kansas City, Mo. Hosiery. No. 92,179; June 24; Gaz. vol. 191; p. 1061.
- Burnham, Norman G., Denver, Colo. Remedy for constipation and headache. No. 90,677; Mar. 18; Gaz. vol. 188; p. 803.
- Burns, Peter, Washington, D. C. Ointment. No. 92,946; Aug. 12; Gaz. vol. 193; p. 503.
- Burrow-Jones and Dyer Shoe Co., St. Louis, Mo. Men's leather shoes. No. 90,508; Mar. 4; Gaz. vol. 188; p. 237.
- Burrow, Jones & Dyer Shoe Co., St. Louis, Mo. Leather shoes. No. 93,161; Aug. 26; Gaz. vol. 193; p. 1011.
- Burton Bros. & Co., New York, N. Y. Cotton piece goods. No. 94,511; Dec. 9; Gaz. vol. 197; p. 530.
- Burton, John R., New York, N. Y. Publication. No. 92,870; Aug. 5; Gaz. vol. 193; p. 215.
- Bury, George B., Anacostia, D. C. Chill and malarial capsules. No. 91,316; Apr. 29; Gaz. vol. 189; p. 1275.
- Butler-Ivins Co., The, Wilmington, Del. Tooth-powder. No. 91,644; May 20; Gaz. vol. 190; p. 787.
- Butt, Mary E., Bartlesville, Okla. Remedy for rheumatism. No. 90,964; Apr. 8; Gaz. vol. 189; p. 517.
- Butzel, Frank J., New York, N. Y. Garment-hangers. No. 92,871; Aug. 5; Gaz. vol. 193; p. 215.
- Buzzell Manuf. Co., Everett, Mass. Cleanser for wood, metal, and enameled surfaces. No. 90,509; Mar. 4; Gaz. vol. 188; p. 237.
- C. Commichau & Co., Limited, Silkeborg, Denmark. Certain named clothing for men, ladies, youths, girls, and children. No. 92,793; July 29; Gaz. vol. 192; p. 1256.
- C. Heinz Stove Co., St. Louis, Mo. Stoves and ranges. No. 90,990; Apr. 8; Gaz. vol. 189; p. 518.
- C. A. Cook Co., Cambridge, Mass. Type-writer and desk chairs and stools. No. 94,605; Dec. 23; Gaz. vol. 197; p. 992.
- C. A. Edgarton Manufacturing Company, The, Shirley, Mass. Suspenders. No. 90,103; Feb. 4; Gaz. vol. 187; p. 227.
- C. A. Gambrill Mfg. Co., Baltimore, Md. Self-rising flour. No. 92,976; Aug. 12; Gaz. vol. 193; p. 504.

Alphabetical list of registrants of trade-marks—Continued.

- C. A. Willey Company, Hunters Point, N. Y. Paints, colors, and varnishes. No. 91,146; Apr. 15; Gaz. vol. 189; p. 777.
- C. A. D. O. Co., Inc., New York, N. Y. Cigarettes. No. 94,713; Dec. 30; Gaz. vol. 197; p. 1287.
- C. B. Cones & Son Manufacturing Company, The, Indianapolis, Ind. Overalls and work coats and shirts. No. 92,189; June 24; Gaz. vol. 191; p. 1062.
- C. D. Hubbard Fruit Company, Carpinteria, Cal. Lemons. No. 91,348; Apr. 29; Gaz. vol. 189; p. 1276.
- C. J. Hartley Company, Decatur, Ill. Pumps. No. 91,868; June 3; Gaz. vol. 191; p. 288.
- C. J. Hewlett & Son, Ltd., London, England. Remedies for certain named diseases. No. 90,330; Feb. 18; Gaz. vol. 187; p. 824.
- C. M. C. Co., Joplin, Mo. Hair-tonic. No. 92,638; July 22; Gaz. vol. 192; p. 983.
- C. M. C. Manufacturing Co., Philadelphia, Pa. Roach-powder. No. 93,162; Aug. 26; Gaz. vol. 193; p. 1011.
- C. M. & R. Manufacturing Company, St. Joseph, Mo. Carbonated tonic beverage and syrup and powder for making same. No. 94,512; Dec. 9; Gaz. vol. 197; p. 530.
- C. P. Moorman & Company, Inc., Louisville, Ky. Whisky. Nos. 90,826-7; Mar. 25; Gaz. vol. 188; p. 1048.
- Cabanski, E. R., Tacoma, Wash. Toilet powder. No. 93,964; Oct. 28; Gaz. vol. 195; p. 1045.
- Cabell Co., The, Baltimore, Md. Substitute for eggs. No. 93,423; Sept. 16; Gaz. vol. 194; p. 739.
- Cabell Company, Baltimore, Md. Flour. No. 92,180; June 24; Gaz. vol. 191; p. 1061.
- Cacao-en Chocoladefabriek Union, Schoten, near Haarlem, Netherlands. Cocoa, cocoa powder, chocolate, &c. No. 92,947; Aug. 12; Gaz. vol. 193; p. 503.
- Cadick Milling Company, Grand View, Ind. Wheat-flour. No. 93,424; Sept. 16; Gaz. vol. 194; p. 739.
- Cain & Sons, J. H., Jacksonville, Ill. Wheat-flour. No. 92,531; July 15; Gaz. vol. 192; p. 738.
- Calderwood, Franklin N., Portland, Me. Cakes. No. 92,787; July 29; Gaz. vol. 192; p. 1256.
- California Canneries Co., San Francisco, Cal. Canned fruits. No. 92,318; July 1; Gaz. vol. 192; p. 211.
- California Central Creameries, San Francisco, Cal. Butter and dry milk. No. 90,414; Feb. 25; Gaz. vol. 187; p. 1111.
- California China Products Company, National City, Cal. Certain named construction materials. No. 92,633; July 22; Gaz. vol. 192; p. 983.
- California Condensed Fruit & Syrup Co., The, San Francisco, Cal. Compound of raisin-syrup and cane-sugar. No. 93,259; Sept. 2; Gaz. vol. 194; p. 269.
- California Cracker Co., Oakland, Cal. Crackers, biscuits, and cakes. No. 94,597; Dec. 23; Gaz. vol. 197; p. 991.
- California Farmers' Union, Inc., Fresno, Cal. Seeded raisins. No. 90,628; Mar. 11; Gaz. vol. 188; p. 509.
- California Fruit Cannery Association, San Francisco, Cal. Canned and dried fruits and raisins. No. 91,167; Apr. 22; Gaz. vol. 189; p. 1025.
- California Fruit Cannery Association, San Francisco, Cal. Dried fruits. No. 94,162; Nov. 11; Gaz. vol. 196; p. 521.
- California Fruit Exchange, The, Sacramento, Cal. Certain named foods. No. 92,532; July 15; Gaz. vol. 192; p. 738.
- California Products Company, Los Angeles, Cal. Grape-juice mixture. No. 89,735; Jan. 7; Gaz. vol. 186; p. 285.
- California Queen Co., Los Angeles, Cal. Hair-restorer and head-shampoo. No. 93,260; Sept. 2; Gaz. vol. 194; p. 269.
- California Tunny Canning Co., San Francisco and San Pedro, Cal. Canned fish. No. 92,044; June 17; Gaz. vol. 191; p. 825.
- Callahan, John, Seattle, Wash. Soap. No. 92,634; July 22; Gaz. vol. 192; p. 983.
- Callam Mills, Saginaw, Mich. Wheat-flour. No. 91,458; May 6; Gaz. vol. 190; p. 259.
- Calmon Asbestos & Rubber Works of America, New York, N. Y. Certain vehicles. No. 92,872; Aug. 5; Gaz. vol. 193; p. 215.
- Calvet & Co., J., Bordeaux, France. Claret, Burgundy, and Sauterne wines. No. 90,790; Mar. 25; Gaz. vol. 188; p. 1047.
- Cammeyer, New York, N. Y. Certain named cleaning compound. No. 89,986; Jan. 23; Gaz. vol. 186; p. 981.
- Camors & Co., J. B., New Orleans, La. Cooking compound. No. 93,229; Aug. 26; Gaz. vol. 193; p. 1013.
- Camp Fire Girls, The, New York, N. Y. Certain named articles of clothing. No. 90,791; Mar. 25; Gaz. vol. 188; p. 1047.
- Campbell & Kemper, Umbarger and Kerrville, Tex. Monthly periodical. No. 93,520; Sept. 23; Gaz. vol. 194; p. 947.
- Campho-Sorcin Laboratory, The, Ossining, N. Y. Skin-disease remedy. No. 90,629; Mar. 11; Gaz. vol. 188; p. 509.
- Canton Cutlery Company, Canton, Ohio. Pocket-knife and razor blades. No. 90,868; Apr. 1; Gaz. vol. 189; p. 247.
- Canton Steel Ceiling Co., The, New York, N. Y. Steel ceilings. No. 94,353; Dec. 2; Gaz. vol. 197; p. 235.
- Capewell Horse Nail Company, The, Hartford, Conn. Horse-nails. No. 93,261; Sept. 2; Gaz. vol. 194; p. 269.
- Caprini, Alexander L., Pittsburgh, Pa. Olive-oil. No. 91,459; May 6; Gaz. vol. 190; p. 259.
- Caproni Bros. Co., Providence, R. I. Ginger-ale. No. 93,262; Sept. 2; Gaz. vol. 194; p. 269.
- Capstone Manufacturing Co., Newark, N. J. Solid-oil dressing. No. 90,159; Feb. 11; Gaz. vol. 187; p. 507.
- Capstone Manufacturing Co., Newark, N. J. Lubricating oils and greases. No. 90,290; Feb. 18; Gaz. vol. 187; p. 823.
- Carbon Cleaning Compound Co., St. Louis, Mo. Compound for cleaning the cylinders of internal-combustion engines. No. 94,354; Dec. 2; Gaz. vol. 197; p. 235.
- Carbon Preservative Paint Co., The, Salt Lake City, Utah. Mixed paints and wood-preservatives. No. 91,460; May 6; Gaz. vol. 190; p. 259.
- Carbondale Knitting Mills, Carbondale, Pa. Coats, waist-coats, trousers, hats, &c. No. 91,317; Apr. 29; Gaz. vol. 189; p. 1275.
- Cardinet Candy Co., Oakland, Cal. Candy. No. 91,070; Apr. 15; Gaz. vol. 189; p. 775.
- Cardo Cereal Co., Columbus, Ohio. Imitation coffee. No. 89,988; Jan. 28; Gaz. vol. 186; p. 981.
- Carey Salt Company, The, Hutchinson, Kans. Salt. No. 92,948; Aug. 12; Gaz. vol. 193; p. 503.
- Carnegie Fuel Company, Minneapolis, Minn. Coal. No. 90,966; Apr. 8; Gaz. vol. 189; p. 517.
- Carr, J. & Riley, Sheffield, England. Files. No. 92,788; July 29; Gaz. vol. 192; p. 1256.
- Carson Glove Co., San Francisco, Cal. Leather gloves. No. 92,789; July 29; Gaz. vol. 192; p. 1256.
- Carson Glove Co., San Francisco, Cal. Leather gloves. No. 93,820; Oct. 21; Gaz. vol. 195; p. 811.
- Carson Glove Co., San Francisco, Cal. Leather gloves. No. 94,513; Dec. 9; Gaz. vol. 197; p. 530.
- Carson, Pirie, Scott & Co., Chicago, Ill. Knitted underwear and hosiery. No. 89,814; Jan. 14; Gaz. vol. 186; p. 551.
- Carson, Pirie, Scott & Co., Chicago, Ill. Gingham. No. 92,397; July 8; Gaz. vol. 192; p. 511.
- Carson, Pirie, Scott & Co., Chicago, Ill. Bleached cotton piece goods. No. 93,685; Oct. 14; Gaz. vol. 195; p. 534.
- Carson, Pirie, Scott & Co., Chicago, Ill. Children's petticoats, rompers, and dresses. No. 93,821; Oct. 21; Gaz. vol. 195; p. 811.
- Carson, Pirie, Scott & Co., Chicago, Ill. Unbleached bunting. No. 93,822; Oct. 21; Gaz. vol. 195; p. 811.
- Carter, Theodore W., St. Louis, Mo. Certain paints and painters' materials. No. 92,790; July 29; Gaz. vol. 192; p. 1256.
- Casey-Swasey Co., The, Fort Worth, Tex. Whisky. No. 91,318; Apr. 29; Gaz. vol. 189; p. 1275.
- Casey, Wiley C., Bloomington, Ill. Cleaning-soap for kid gloves, plumes, silks, &c. No. 93,823; Oct. 21; Gaz. vol. 195; p. 812.
- Cash, Laurence E., New York, N. Y., and Chicago, Ill. Remedy for certain named diseases. No. 91,645; May 20; Gaz. vol. 190; p. 787.
- Castle Kid Co., Camden, N. J. Suede leather. No. 93,686; Oct. 14; Gaz. vol. 195; p. 534.
- Castner, Curran & Bullitt, Inc., Philadelphia, Pa. Coal. No. 92,636; July 22; Gaz. vol. 192; p. 983.
- Cathart, Frank H., Baltimore, Md., assignor to Automatic Shaft Coupling Company. Machine-shaft couplings. No. 93,072; Aug. 19; Gaz. vol. 193; p. 749.
- Cathart, William R., New York, N. Y. Chocolate-flavored filling. No. 94,163; Nov. 11; Gaz. vol. 196; p. 521.
- Caughey & Carran Co., Detroit, Mich. Seeds. No. 92,873; Aug. 5; Gaz. vol. 193; p. 215.
- Cavey-Caguas Tobacco Company, New York, N. Y. Cigars, cheroots, and cigarettes. No. 91,072; Apr. 15; Gaz. vol. 189; p. 775.
- Cavey-Caguas Tobacco Company, New York, N. Y. Cigars, cheroots, and cigarettes. No. 92,637; July 22; Gaz. vol. 192; p. 983.
- Cederberg, Knut H., Hagström, Gefle, Sweden. Disinfectant. No. 91,673; May 20; Gaz. vol. 190; p. 788.
- Centennial Mill Co., Seattle and Spokane, Wash. Wheat-flour. No. 93,965; Oct. 28; Gaz. vol. 195; p. 1045.
- Central Commercial Co., Chicago, Ill. Asphalt. No. 91,169; Apr. 22; Gaz. vol. 189; p. 1025.
- Central Ohio Paper Co., The, Columbus, Ohio. Cover, bond, writing, and printing paper. Nos. 90,092-5; Feb. 4; Gaz. vol. 187; p. 227.
- Central Ohio Paper Co., The, Columbus, Ohio. Cover, bond, writing and printing paper. No. 92,791; July 29; Gaz. vol. 192; p. 1256.
- Central Ohio Paper Co., The, Columbus, Ohio. Cover, bond, writing, and printing paper. No. 94,269; Nov. 25; Gaz. vol. 196; p. 1047.
- Century Electric Company, St. Louis, Mo. Electric motors. No. 89,911; Jan. 21; Gaz. vol. 186; p. 793.
- Century Rubber Trading Company, Plainfield, N. J. Vehicle-tires. No. 92,182; June 24; Gaz. vol. 191; p. 1061.
- Chained Lightning Publishing Co., Louisville, Ky. Magazine. No. 93,687; Oct. 14; Gaz. vol. 195; p. 534.
- Challoner Company, Oshkosh, Wis. Horseshoes and horse-shoe-calks. No. 91,073; Apr. 15; Gaz. vol. 189; p. 775.

- Chamber of Commerce of the United States of America, Washington, D. C. Monthly periodical. No. 93,334; Sept. 9; Gaz. vol. 194; p. 545.
- Chamberlain Company, The, Pittsburgh, Pa. Insecticides. No. 89,736; Jan. 7; Gaz. vol. 186; p. 285.
- Chamberlain, Myron L., Beverly, Mass. Milk and cream. No. 94,270; Nov. 25; Gaz. vol. 196; p. 1047.
- Chambers & Son, William, Buffalo, N. Y. Liquid polish. No. 94,164; Nov. 11; Gaz. vol. 196; p. 521.
- Champion Feed Milling Company, Clinton, Iowa. Stock feed. No. 92,183; June 24; Gaz. vol. 191; p. 1062.
- Champion Fibre Company, The, Hamilton, Ohio. Tanning extracts. No. 92,319; July 1; Gaz. vol. 192; p. 211.
- Champion Ignition Co., Flint, Mich. Spark-plugs. No. 94,060; Nov. 4; Gaz. vol. 196; p. 269.
- Champion Spark Plug Company, Toledo, Ohio. Spark-plugs. Nos. 92,949-50; Aug. 12; Gaz. vol. 193; p. 503.
- Chance, Frank S., Indianapolis, Ind. Device for treatment of piles. No. 94,236; Nov. 18; Gaz. vol. 196; p. 801.
- Chandler & Co., Inc., Boston, Mass. Certain named garments of textile and knitted materials. No. 91,756; May 27; Gaz. vol. 190; p. 1023.
- Chapin & Company, Incorporated, Hammond, Ind. Horse and stock feed. No. 92,533; July 15; Gaz. vol. 192; p. 738.
- Chapin & Gould Paper Company, Springfield, Mass. Writing-paper. No. 93,073; Aug. 19; Gaz. vol. 193; p. 749.
- Chapman Valve Manufacturing Company, The, Springfield, Mass. Gate-valves. No. 91,846; June 3; Gaz. vol. 191; p. 287.
- Chappell Oil & Grease Co., St. Louis, Mo. Lubricating oils and greases. No. 93,688; Oct. 14; Gaz. vol. 195; p. 534.
- Charles F. Dare & Son, Bridgeton, N. J. Insecticide, fungicide, and tonic for plants or trees. No. 92,648; July 22; Gaz. vol. 192; p. 984.
- Charles Hedden, Incorporated, New York, N. Y. Perfumes, toilet waters, and powders. No. 91,661; May 20; Gaz. vol. 190; p. 788.
- Charles L. Kiewert Company, New York, N. Y. Electric-arc lamps. No. 92,562; July 15; Gaz. vol. 192; p. 739.
- Charles Moore & Co. Limited, Lymm, near Warrington, England. Salt. Nos. 90,230-1; Feb. 11; Gaz. vol. 187; p. 509.
- Charles William Stores, Inc., The, New York, N. Y. Certain named paints and painters' materials. No. 93,317; Sept. 2; Gaz. vol. 194; p. 271.
- Charles Wolff Packing Co., Topeka, Kans. Lard. No. 91,286; Apr. 22; Gaz. vol. 189; p. 1029.
- Charlotte Trouser Co., The, Charlotte, N. C., and New York, N. Y. Overcoats, coats, vests, and trousers. No. 91,074; Apr. 15; Gaz. vol. 189; p. 775.
- Chas. A. Stevens & Bros., Chicago, Ill. Hosiery. No. 91,617; May 13; Gaz. vol. 190; p. 545.
- Chas. Emmerich & Co., Chicago, Ill. Pillows. No. 91,955; June 10; Gaz. vol. 191; p. 582.
- Chas. P. Whittle Mfg. Co., Boston, Mass. Show-cases, counters, partitions, &c. No. 92,023; June 10; Gaz. vol. 191; p. 584.
- Chas. R. De Bevoise Company, Newark, N. J. Combination corset and corset-cover. No. 92,650; July 22; Gaz. vol. 192; p. 984.
- Chas. W. Priddy & Company, Inc., Norfolk, Va. Land-plaster. No. 91,247; Apr. 22; Gaz. vol. 189; p. 1028.
- Chase-O Manufacturing Company, Camden, N. J., and Philadelphia, Pa. Detergent preparation in crystal form. No. 94,425; Dec. 9; Gaz. vol. 197; p. 527.
- Chase & Sanborn, Boston, Mass. Tea. No. 92,184; June 24; Gaz. vol. 191; p. 1062.
- Chattanooga Medicine Co., Chattanooga, Tenn. Antiseptic. No. 93,521; Sept. 23; Gaz. vol. 194; p. 947.
- Chattanooga Plow Co., Chattanooga, Tenn. Cane-mills. No. 94,598; Dec. 23; Gaz. vol. 197; p. 992.
- Cheek, Simmons L., Ensley, Ala. Remedy for certain diseases. No. 93,335; Sept. 9; Gaz. vol. 194; p. 545.
- Chemical Manufacturing Company, Chicago, Ill. Metal-polish. No. 91,170; Apr. 22; Gaz. vol. 189; p. 1025.
- Chemical Specialties Co., Jersey City, N. J. Chemical and laundry starches. No. 91,757; May 27; Gaz. vol. 190; p. 1023.
- Chemical Works formerly Sandoz, Basel, Switzerland. Anilin colors, ichthyol, &c. No. 92,185; June 24; Gaz. vol. 191; p. 1062.
- Chemische Fabrik Altherzberg, Alwin Nieske, Dresden, Dresden-Loschwitz, Germany. Ointment and vulnerary powder. No. 93,230; Aug. 26; Gaz. vol. 193; p. 1013.
- Chemische Fabrik Ara, Würzburg, Germany. Fly-glue. No. 90,792; Mar. 25; Gaz. vol. 188; p. 1047.
- Chemische Fabrik auf Actien (vorm. E. Schering), Berlin, Germany. Remedies for gout and rheumatism. No. 90,161; Feb. 11; Gaz. vol. 187; p. 507.
- Chemische Fabrik auf Actien (vorm. E. Schering), Berlin, Germany. Remedies for gout and rheumatism. No. 94,061; Nov. 4; Gaz. vol. 196; p. 269.
- Chemische Fabrik Güstrow, Dr. Hillringhaus & Dr. Heilmann, Güstrow and Heideweg, Germany. Remedy for certain skin affections and other skin diseases. No. 90,854; Mar. 25; Gaz. vol. 188; p. 1049.
- Chemische Fabrik Güstrow, Dr. Hillringhaus & Dr. Heilmann, Güstrow and Heideweg, Germany. Remedy for nervous diseases. No. 90,967; Apr. 8; Gaz. vol. 189; p. 517.
- Chemische Fabrik Güstrow, Dr. Hillringhaus & Dr. Heilmann, Güstrow, Germany. Remedy for furunculosis and acne. No. 91,647; May 20; Gaz. vol. 190; p. 787.
- Chemische Fabrik Helfenberg A. G. vorm. Eugen Dieterich, Helfenberg, near Dresden, Germany. Laxative preparations. No. 94,062; Nov. 4; Gaz. vol. 196; p. 269.
- Chemische Fabrik Helfenberg A. G. vorm. Eugen Dieterich, Helfenberg, near Dresden, Germany. Agar preparations for bacteriological purposes. No. 94,783; Dec. 30; Gaz. vol. 197; p. 1289.
- Chemists' Club, The, New York, N. Y. Cigars and cigarettes. No. 92,398; July 8; Gaz. vol. 192; p. 511.
- Chemists' Club, New York, N. Y. Soda-water, ginger-ale, pop, &c. No. 92,399; July 8; Gaz. vol. 192; p. 511.
- Cherry Cocktail Gum Co., Minneapolis, Minn. Chewing-gum. No. 91,075; Apr. 15; Gaz. vol. 189; p. 775.
- Chesebrough Manufacturing Co., (Consolidated,) New York, N. Y. Petroleum jelly. No. 92,534; July 15; Gaz. vol. 192; p. 738.
- Chesebrough Manufacturing Co., (Consolidated,) New York, N. Y. Lubricating-oil. No. 93,425; Sept. 16; Gaz. vol. 194; p. 739.
- Cheshire Chemical Co., Winchester, N. H. Sweeping compound. No. 93,824; Oct. 21; Gaz. vol. 195; p. 812.
- Chester Kent & Co., Boston, Mass. Medicinal tonic preparation. No. 94,557; Dec. 16; Gaz. vol. 197; p. 777.
- Chicago Belting Co., Chicago, Ill. Leather belting. No. 90,968; Apr. 8; Gaz. vol. 189; p. 517.
- Chicago Electric Meter Company, Chicago, Ill. Electric-meter indicating attachment. No. 90,416; Feb. 25; Gaz. vol. 187; p. 1111.
- Chicago Ferrotyp Co., Chicago, Ill. Cameras. Nos. 93,966-7; Oct. 28; Gaz. vol. 195; p. 1045.
- Chicago Folding Box Company, Chicago, Ill. Paper pails. No. 90,162; Feb. 11; Gaz. vol. 187; p. 507.
- Chicago Folding Box Company, Chicago, Ill. Paper cartons. Nos. 90,163-6; Feb. 11; Gaz. vol. 187; p. 507.
- Chicago Folding Box Company, Chicago, Ill. Paper pails. No. 90,167; Feb. 11; Gaz. vol. 187; p. 507.
- Chicago Folding Box Company, Chicago, Ill. Paper boxes. No. 92,186; June 24; Gaz. vol. 191; p. 1062.
- Chicago Railway Signal and Supply Company, Carpentersville, Ill. Semaphore apparatuses. Nos. 92,951-2; Aug. 12; Gaz. vol. 193; p. 503.
- Chicago Roller Skate Company, Chicago, Ill. Velocipedes. No. 90,291; Feb. 18; Gaz. vol. 187; p. 823.
- Chicago Shipping & Receipt Book Co., Chicago, Ill. Index-tabs, loose-leaf binders, record-books, and dockets. No. 94,165; Nov. 11; Gaz. vol. 196; p. 521.
- Chickasaw Candy Company, Memphis, Tenn. Candies. No. 91,847; June 3; Gaz. vol. 191; p. 287.
- Childrey, William H., Haw River, N. C. Hosiery. No. 92,874; Aug. 5; Gaz. vol. 193; p. 215.
- Chipman, Harwood & Co., Boston, Mass. Misses' and children's shoes. No. 92,953; Aug. 12; Gaz. vol. 193; p. 503.
- Chipman Limited, New York, N. Y. Automobiles, motor cycles, trucks, and wagons, and bicycles. No. 93,689; Oct. 14; Gaz. vol. 195; p. 534.
- Chipman's Sons, Chas., Easton and Selinsgrove, Pa. Hosiery. No. 91,319; Apr. 29; Gaz. vol. 189; p. 1275.
- Christian Moerlein Brewing Co., The, Cincinnati, Ohio. Beer. No. 92,875; Aug. 5; Gaz. vol. 193; p. 215.
- Christo Mfg. Company, Richmond, Va. Certain flavoring extracts and concentrated syrups, &c. No. 91,320; Apr. 29; Gaz. vol. 189; p. 1275.
- Chronister, Val H., Decatur, Ill. Perfumes and cold-creams. No. 93,426; Sept. 16; Gaz. vol. 194; p. 739.
- Churchill & Alden Co., Brockton and Campello, Mass. Leather boots, shoes, and slippers. No. 92,187; June 24; Gaz. vol. 191; p. 1062.
- Cima y García, José, Oviedo, Spain. Cider. No. 94,522; Dec. 9; Gaz. vol. 197; p. 530.
- Cipolla, Vincenzo, Philadelphia, Pa. Remedy for certain named diseases. No. 90,168; Feb. 11; Gaz. vol. 187; p. 507.
- Citro Chemical Co., Maywood, N. J. Toilet preparation. No. 91,646; May 20; Gaz. vol. 190; p. 787.
- Citro Chemical Co., Maywood, N. J. Peroxid of hydrogen. No. 92,320; July 1; Gaz. vol. 192; p. 211.
- City Coal Company, Akron, Ohio. Coal. No. 91,944; June 10; Gaz. vol. 191; p. 581.
- Claessens, Eugène, Brussels, Belgium. Dentifrices. No. 90,678; Mar. 18; Gaz. vol. 188; p. 803.
- Clark & Host Co., Milwaukee, Wis. Tea, coffee, cocoa, and flavoring extracts. No. 91,171; Apr. 22; Gaz. vol. 189; p. 1025.
- Clark-Smith Hardware Company, Peoria, Ill. Shovels, spades, and scoops. No. 90,869; Apr. 1; Gaz. vol. 189; p. 247.
- Clark-Smith Hardware Company, Peoria, Ill. Sheet-tin and tin plates. No. 91,848; June 3; Gaz. vol. 191; p. 287.
- Clark-Smith Hardware Company, Peoria, Ill. Hoes, rakes, and forks. No. 92,641; July 22; Gaz. vol. 192; p. 983.

Alphabetical list of registrants of trade-marks—Continued.

- Clark-Smith Hardware Company, Peoria, Ill. Certain named cutlery and tools. Nos. 92,642-3; July 22; Gaz. vol. 192; pp. 983-4.
- Clarke, Walter H., Leeds, England. Certain named foods. No. 89,987; Jan. 28; Gaz. vol. 186; p. 981.
- Class Journal Co., The, New York, N. Y. Magazine issued quarterly. No. 90,096; Feb. 4; Gaz. vol. 187; p. 227.
- Claiberg & Co., F. A., New York, N. Y. Razors, razor-blades, and shears. No. 93,427; Sept. 16; Gaz. vol. 194; p. 739.
- Claudius Ash Sons and Company Limited, London, England. Moldable material for dentists' use. No. 91,544; May 13; Gaz. vol. 190; p. 543.
- Claudius Ash Sons and Company Limited, London, England. Chemical preparation for hardening molding materials. No. 92,936; Aug. 12; Gaz. vol. 193; p. 503.
- Clausen-Flanagan Brewery, New York, N. Y. Malt liquors. No. 93,502; Sept. 16; Gaz. vol. 194; p. 741.
- Clayton Bros., Inc., Bristol, Conn. Shears and scissors. No. 91,285; Apr. 22; Gaz. vol. 189; p. 1029.
- Clear Creek Coal Company, Huntington, W. Va. Coal. No. 93,825; Oct. 21; Gaz. vol. 195; p. 812.
- Cleveland Foundry Company, The, Cleveland, Ohio. Oil stoves, ovens, and wicks. No. 91,555; May 13; Gaz. vol. 190; p. 543.
- Cleveland Galvanizing Works Co., The, Cleveland, Ohio. Wire chain in coil, porch-swing, hammock, and pump chains. Nos. 91,849-50; June 3; Gaz. vol. 191; p. 287.
- Cleveland Galvanizing Works Co., The, Cleveland, Ohio. Wire chain and coil, porch-swing, hammock, and pump chains. No. 92,792; July 29; Gaz. vol. 192; p. 1256.
- Cleveland Milling Co., Cleveland, Ohio. Flour. No. 89,816; Jan. 14; Gaz. vol. 186; p. 551.
- Clincher Automobile Tire Manufacturers Association, Cleveland, Ohio. Vehicle wheel-rims. No. 92,876; Aug. 5; Gaz. vol. 193; p. 215.
- Clinton, Menzo, Spokane, Wash. Dressing for leather. No. 92,644; July 22; Gaz. vol. 192; p. 984.
- Cluett, Peabody & Co., Troy, N. Y. Collars and cuffs. No. 90,793; Mar. 25; Gaz. vol. 188; p. 1047.
- Clymer, Edgar E., Philadelphia, Pa. Pump-bows, bust-ruffles, bosom-forms, &c. No. 93,338; Sept. 9; Gaz. vol. 194; p. 545.
- Clymer, Reuben S., Allentown, Pa. Books. No. 93,339; Sept. 9; Gaz. vol. 194; p. 545.
- Co-operative Drug Manufacturing Company, Jackson, Tenn. Furniture-polish. No. 93,593; Sept. 30; Gaz. vol. 194; p. 1137.
- Co-Operative League, The, New York, N. Y. Hats. No. 90,418; Feb. 25; Gaz. vol. 187; p. 1111.
- Co-operative Merchandising Service Co., New York, N. Y. Periodical magazine. No. 91,947; June 10; Gaz. vol. 191; p. 581.
- Coane, Robert, Philadelphia, Pa. Whisky. No. 93,074; Aug. 19; Gaz. vol. 193; p. 749.
- Coast Products Company, The, St. Louis, Mo. Canned fruits, figs, tomato catsup, and vegetables. No. 94,271; Nov. 25; Gaz. vol. 196; p. 1047.
- Cochran, Burns & Farnsworth Co., Boston, Mass. Canned lobster, kippered herring, crab-meat, &c. No. 92,188; June 24; Gaz. vol. 191; p. 1062.
- Cochrane Manufacturing Co., Dedham and East Dedham, Mass. Carpets. Nos. 94,063-4; Nov. 4; Gaz. vol. 196; p. 269.
- Cockburn & Co. Ltd., Glasgow, Scotland. Medicated inhaler. No. 91,851; June 3; Gaz. vol. 191; p. 287.
- Cocoanut Specialty Co., Philadelphia, Pa. Candy. No. 89,815; Jan. 14; Gaz. vol. 186; p. 551.
- Cohen, Hyman, Boston, Mass. Wheat-flour. No. 93,968; Oct. 28; Gaz. vol. 195; p. 1045.
- Cohen, Isaac, Philadelphia, Pa. Candies. No. 92,645; July 22; Gaz. vol. 192; p. 984.
- Cohen, Jacob, New York, N. Y. Stiff hats. No. 90,417; Feb. 25; Gaz. vol. 187; p. 1111.
- Cohn Hall Marx Co., New York, N. Y. Cotton piece goods. No. 91,945; June 10; Gaz. vol. 191; p. 581.
- Cohn, Herman, New York, N. Y. Musical-instrument strings. No. 92,400; July 8; Gaz. vol. 192; p. 511.
- Cointreau Pere et Fils, Angers, France. Liqueur. No. 94,714; Dec. 30; Gaz. vol. 197; p. 1287.
- Cole, Harlan P., New York, N. Y. Belts for supporting clothing. No. 92,401; July 8; Gaz. vol. 192; p. 511.
- Colebrookdale Iron Company, Colebrookdale, Pa. Sad and flat irons. No. 90,170; Feb. 11; Gaz. vol. 187; p. 507.
- Colebrookdale Iron Company, Colebrookdale, Pa. Sad and flat irons. No. 90,292; Feb. 18; Gaz. vol. 187; p. 823.
- Colgate & Co., Jersey City, N. J., and New York, N. Y. Soap. No. 91,322; Apr. 29; Gaz. vol. 189; p. 1275.
- Colgate, Richard M., Jersey City, N. J. Traveling-bags. No. 93,690; Oct. 14; Gaz. vol. 195; p. 534.
- Collie, Joseph B., Malvern, Ark. Remedy for certain named ailments. No. 94,166; Nov. 11; Gaz. vol. 196; p. 521.
- Collin Street Bakery, Corsicana, Tex. Fruit-cake. No. 93,826; Oct. 21; Gaz. vol. 195; p. 812.
- Collins & Aikman Company, Montclair, N. J., and Philadelphia, Pa. Certain named piece goods and cut lengths. No. 90,510; Mar. 4; Gaz. vol. 188; p. 237.
- Collins Company, The, Collinsville, Conn. Certain named tools. No. 90,097; Feb. 4; Gaz. vol. 187; p. 227.
- Collins Company, The, Collinsville, Conn. Certain cutlery, machinery, and tools, and parts thereof. Nos. 93,075-6; Aug. 19; Gaz. vol. 193; p. 749.
- Collins-McCarthy Candy Co., San Francisco, Cal. Candies. No. 90,630; Mar. 11; Gaz. vol. 188; p. 509.
- Colombier Fils et Cie., Paris, France. Ice-making machines. No. 94,065; Nov. 4; Gaz. vol. 196; p. 269.
- Colorado Sanitarium Food Company, The, Boulder, Colo. Cereal breakfast food. No. 92,954; Aug. 12; Gaz. vol. 193; p. 503.
- Colorado Sanitarium Food Company, The, Boulder, Colo. Cereal breakfast food. No. 93,231; Aug. 26; Gaz. vol. 193; p. 1013.
- Colorado Sanitarium Food Company, The, Boulder, Colo. Cereal breakfast food. No. 94,599; Dec. 23; Gaz. vol. 197; p. 992.
- Colorific Company, The, Tampa, Fla. Hair-tonic. No. 94,238; Nov. 18; Gaz. vol. 196; p. 801.
- Columbia Coffee Mills, Ltd., New Orleans, La. Cane-syrup and glucose. No. 92,955; Aug. 12; Gaz. vol. 193; p. 503.
- Columbia Graphophone Company, Washington, D. C. Talking-machines and records. No. 93,428; Sept. 16; Gaz. vol. 194; p. 739.
- Columbia Ribbon Company, The, Paterson, N. J. Fabric bow. No. 90,680; Mar. 18; Gaz. vol. 188; p. 803.
- Columbia River Packers Association, Astoria, Ore. Canned salmon. No. 92,402; July 8; Gaz. vol. 192; p. 511.
- Columbia River Packers Association, Astoria, Ore. Canned salmon. Nos. 93,077-8; Aug. 19; Gaz. vol. 193; p. 749.
- Columbian Enameling & Stamping Co., Terre Haute, Ind. Certain named hardware articles. No. 92,045; June 17; Gaz. vol. 191; p. 825.
- Columbian Rope Co., Auburn, N. Y. Clothes-lines. No. 93,691; Oct. 14; Gaz. vol. 195; p. 534.
- Commercial Chemical Company, Clearing, Ill. Peroxid of hydrogen. No. 93,970; Oct. 28; Gaz. vol. 195; p. 1045.
- Commercial Digest & Review, Inc., Dover, Del., and New York, N. Y. Monthly publication. No. 92,403; July 8; Gaz. vol. 192; p. 511.
- Commercial Truck Company of America, Philadelphia, Pa. Automobiles. No. 93,592; Sept. 30; Gaz. vol. 194; p. 1137.
- Common Sense Suspender Co., Morristown, N. J. Hosiery. No. 93,336; Sept. 9; Gaz. vol. 194; p. 545.
- Compagnie Française de la Chamoiserie Nouvelle, Paris, France. Hides, skins, and leather. No. 90,681; Mar. 18; Gaz. vol. 188; p. 803.
- Compagnie Générale des Etablissements Pathé Frères Phonographe et Cinématographe, Paris, France. Talking-machines and parts thereof. Nos. 90,511-12; Mar. 4; Gaz. vol. 188; p. 237.
- Compagnie Générale des Etablissements Pathé Frères (Phonographe & Cinématographe), Paris, France. Certain measuring and scientific appliances. No. 92,404; July 8; Gaz. vol. 192; p. 511.
- Compagnie Générale des Etablissements Pathé Frères, Phonographe et Cinématographe, Paris, France. Kinematographic and photographic films and plates. No. 93,971; Oct. 28; Gaz. vol. 195; p. 1045.
- Compagnie Générale des Etablissements Pathé Frères, Phonographe et Cinématographe, Paris, France. Kinematographic apparatus and films and plates therefor. Nos. 94,600-3; Dec. 23; Gaz. vol. 197; p. 992.
- Compagnie Laferme Tabak- und Cigaretten-Fabriken, Dresden, Germany. Smoking-tobacco and cigarettes. No. 94,426; Dec. 9; Gaz. vol. 197; p. 527.
- Compania de Cafe Esperanza, Paterson, N. J., and New York, N. Y. Coffee. No. 89,989; Jan. 28; Gaz. vol. 186; p. 981.
- Concordia Creamery Company, The, Concordia, Kans. Butter. No. 91,461; May 6; Gaz. vol. 190; p. 259.
- Concrete Finishing Company, Inc., New York, N. Y. Certain construction materials. No. 93,337; Sept. 9; Gaz. vol. 194; p. 545.
- Concrete Flooring Company, Cleveland, Ohio. Hollow floors of reinforced concrete. No. 93,692; Oct. 14; Gaz. vol. 195; p. 534.
- Condensite Company of America, Glen Ridge, N. J. Phenol-methylene plastic compounds. No. 91,556; May 13; Gaz. vol. 190; p. 543.
- Condit, Harry H., Indianapolis, Ind., and New York, N. Y. Ladies' undervests. No. 94,604; Dec. 23; Gaz. vol. 197; p. 992.
- Conklin, Alexander, Lakewood, N. J. Spectacles, eyeglasses, spectacle and eyeglass frames, &c. No. 91,172; Apr. 22; Gaz. vol. 189; p. 1025.
- Conklin Tin Plate & Metal Company, Atlanta, Ga. Tin andterne plates. No. 92,754; July 29; Gaz. vol. 192; p. 1255.
- Connolly, Mary A., Galveston, Tex. Remedies for piles. No. 92,535; July 15; Gaz. vol. 192; p. 738.
- Conrad & Co., Boston, Mass. Certain named articles of clothing. No. 90,870; Apr. 1; Gaz. vol. 189; p. 247.
- Conradty, C., Nuremberg, Germany. Certain named electrical apparatus and supplies. No. 93,694; Oct. 14; Gaz. vol. 195; p. 534.

Alphabetical list of registrants of trade-marks—Continued.

- Conradty, C., Nuremberg, Germany. Electric-light and galvanic carbons. No. 93,695; Oct. 14; Gaz. vol. 195; p. 534.
- Conradty (Inhaber Pauline & Eugen Conradty) Fabrik elektrischer u. galvanischer Kohlen, C., Nuremberg, Germany. Certain named electrical supplies. No. 90,293; Feb. 18; Gaz. vol. 187; p. 823.
- Consolidated Grocery Company, Tampa, Jacksonville, and Pensacola, Fla. Certain named foods. No. 91,076; Apr. 15; Gaz. vol. 189; p. 775.
- Consolidated Grocery Company, Tampa, Jacksonville, and Pensacola, Fla. Cigars. No. 93,522; Sept. 23; Gaz. vol. 194; p. 947.
- Consolidated Grocery Company, Tampa, Jacksonville, and Pensacola, Fla. Canned goods, coffee, and tomato catsup. No. 93,827; Oct. 21; Gaz. vol. 195; p. 812.
- Consolidated Manufacturing Company, The, Toledo, Ohio. Motor-cycles and bicycles. No. 94,355; Dec. 2; Gaz. vol. 197; p. 235.
- Constantin, A., Hanover, Germany. Cigarettes. No. 90,513; Mar. 4; Gaz. vol. 188; p. 237.
- Consumers Fertilizer Company, New York, N. Y. Fertilizers. No. 93,163; Aug. 26; Gaz. vol. 193; p. 1011.
- Consumers Refining Company, Chicago, Ill. Gasolene. No. 91,557; May 13; Gaz. vol. 190; p. 543.
- Continental-Cautouchou- und Gutta-Percha-Compagnie, Hanover, Germany. Tires of all kinds. No. 91,854; June 3; Gaz. vol. 191; p. 287.
- Continental Paper Bag Company, Rumford, Me., and New York, N. Y. Wrapping-papers. No. 90,514; Mar. 4; Gaz. vol. 188; p. 237.
- Continental Paper Bag Company, Rumford, Me., and New York, N. Y. Wrapping-papers. No. 91,558; May 13; Gaz. vol. 190; p. 543.
- Continental Shoe Button Co., Newark, N. J. Buttons. No. 90,969; Apr. 8; Gaz. vol. 189; p. 517.
- Continental Supply Company, The, St. Louis, Mo. Valves, joints, collars, and valve-fittings. No. 89,912; Jan. 21; Gaz. vol. 186; p. 793.
- Converse Rubber-Shoe Co., Maiden, Mass. Rubber heels. No. 92,405; July 8; Gaz. vol. 192; p. 511.
- Cook, William H., Pomona, Fla. Citrus fruits. No. 93,232; Aug. 26; Gaz. vol. 193; p. 1013.
- Coolbroth, Augusta P., Brookline, Mass. Catamenial belts. No. 94,356; Dec. 2; Gaz. vol. 197; p. 235.
- Coombe, Francis W., London, England. Liquid glue and adhesive cement. No. 90,631; Mar. 11; Gaz. vol. 188; p. 509.
- Cooney, Laura S., New York, N. Y. Suspenders. No. 92,877; Aug. 5; Gaz. vol. 193; p. 215.
- Coonley Mfg. Co., Clyde, Ill. Enameled, galvanized, and tin ware. No. 91,462; May 6; Gaz. vol. 190; p. 259.
- Cooper, Charles V., Downs, Kans. Remedy for certain named ailments and diseases. No. 91,416; Apr. 29; Gaz. vol. 189; p. 1278.
- Cooper-De Lery Gown Company, Inc., New York, N. Y. Dresses and gowns. No. 91,946; June 10; Gaz. vol. 191; p. 581.
- Copleston, Henry, assignor to Arborol Chemical Company, Denver, Colo. Medicinal preparation. No. 94,715; Dec. 30; Gaz. vol. 197; p. 1287.
- Coplon & Co., D. H., Buffalo, N. Y. Textile rugs, carpets, and matings. No. 94,716; Dec. 30; Gaz. vol. 197; p. 1287.
- Corbitt & Brown, Memphis, Tenn. Certain non-alcoholic beverages. No. 93,079; Aug. 19; Gaz. vol. 193; p. 749.
- Corkran, Hill & Co. (See Harvey, W. Ewing, assignor.)
- Corn Products Refining Company, New York, N. Y. Fruit jelly. No. 90,171; Feb. 11; Gaz. vol. 187; p. 507.
- Corn Products Refining Company, New York, N. Y. Fruit jams, jellies, preserves, and apple-butter. No. 90,172; Feb. 11; Gaz. vol. 187; p. 507.
- Corn Products Refining Company, New York, N. Y. Fruit preserves and jams. No. 91,323; Apr. 29; Gaz. vol. 189; p. 1275.
- Corn Products Refining Company, New York, N. Y. Table-syrup. No. 92,191; June 24; Gaz. vol. 191; p. 1062.
- Cornell & Ward, New York, N. Y. Paper bags. No. 92,190; June 24; Gaz. vol. 191; p. 1062.
- Cornplanter Refining Company, Warren, Pa. Motor-fuel for machinery and vehicles. No. 92,956; Aug. 12; Gaz. vol. 193; p. 503.
- Corona Chemical Company, Milwaukee, Wis. Insecticides. No. 91,758; May 27; Gaz. vol. 190; p. 1023.
- Corona Kid Manufacturing Company, Portland, Me., and Boston, Mass. Leather. No. 94,427; Dec. 9; Gaz. vol. 197; p. 527.
- Cott-A-Lap Company, Somerville, N. J. Paper adapted for certain purposes. No. 94,514; Dec. 9; Gaz. vol. 197; p. 530.
- Coughlan Brothers, Kansas City, Mo. Exterminator for all household vermin. No. 94,544; Dec. 16; Gaz. vol. 197; p. 777.
- Country Life Publishing Company, San Francisco, Cal. Magazine. No. 92,957; Aug. 12; Gaz. vol. 193; p. 503.
- Courtaulds Limited, London, England. Thread and yarn. No. 94,607; Dec. 23; Gaz. vol. 197; p. 992.
- Courtney & Co., Omaha, Nebr. Flavoring extracts for foods, macaroni, peanut-butter, olives, and spices. No. 89,990; Jan. 28; Gaz. vol. 186; p. 981.
- Couvreux, Georges et Paul, Paris, France. Champagne and sparkling wines. No. 90,682; Mar. 18; Gaz. vol. 188; p. 803.
- Covey, Delbert A., Peoria, Ill. Garment supporters and adjusters. No. 89,991; Jan. 28; Gaz. vol. 186; p. 981.
- Cowan Truck Company, Holyoke, Mass. Trucks. No. 92,536; July 15; Gaz. vol. 192; p. 738.
- Cowgill & Hill Milling Co., The, Carthage, Mo. Wheat-flour. No. 91,077; Apr. 15; Gaz. vol. 189; p. 775.
- Cox Confectionery Company, Boston, Mass. Candies. No. 92,046; June 17; Gaz. vol. 191; p. 825.
- Coyote Springs Mineral Water Co., Albuquerque, N. Mex. Mineral water. No. 90,683; Mar. 18; Gaz. vol. 188; p. 803.
- Craig, Peter R., Lowell, Mass. Pharmaceutical preparation. No. 93,972; Oct. 28; Gaz. vol. 195; p. 1045.
- Craig Ridgway & Son Company, Coatesville, Pa. Elevators and cranes. No. 92,958; Aug. 12; Gaz. vol. 193; p. 503.
- Cramer, Gustav, Chicago, Ill. Sensitized photographic papers. No. 92,321; July 1; Gaz. vol. 192; p. 211.
- Crane & Breed Manufacturing Co., The, Cincinnati, Ohio. Casket-trimmings. No. 90,098; Feb. 4; Gaz. vol. 187; p. 227.
- Crane, Clarence A., Cleveland, Ohio. Candy. No. 93,080; Aug. 19; Gaz. vol. 193; p. 749.
- Crank, Nathaniel, Hill City, Kans. Remedy for blackleg. No. 90,173; Feb. 11; Gaz. vol. 187; p. 507.
- Crawford, Luke R., & Joseph B. Wood, M. D., Haralson, Ga. Blood-renovator. No. 93,523; Sept. 23; Gaz. vol. 194; p. 947.
- Creamer, Horace M., Brockton, Mass. Spray for exterminating insects and a deodorizer, &c. No. 92,047; June 17; Gaz. vol. 191; p. 825.
- Crenshaw, John H., St. Louis, Mo. Medicinal preparation. No. 90,684; Mar. 18; Gaz. vol. 188; p. 803.
- Crescent Corrugated Paper Products Co., Philadelphia, Pa. Paper boxes. No. 89,992; Jan. 28; Gaz. vol. 186; p. 981.
- Crescent Typewriter Supply Company, Portland, Me., and Boston, Mass. Inked ribbons and carbon-paper. No. 91,173; Apr. 22; Gaz. vol. 189; p. 1025.
- Crescent Typewriter Supply Company, Portland, Me., and Boston, Mass. Inked ribbons and carbon-paper. No. 92,647; July 22; Gaz. vol. 192; p. 984.
- Cresson, William H., City Point, Fla. Oranges and grapefruit. No. 93,263; Sept. 2; Gaz. vol. 194; p. 269.
- Crew's Liquidized Sulphur Co., Blountstown, Fla. Liquidized sulfur. No. 91,463; May 6; Gaz. vol. 190; p. 259.
- Crittenden, George E., Hot Springs, Ark. Cuticle-softener. No. 90,294; Feb. 18; Gaz. vol. 187; p. 823.
- Crocker, Mary E., Boston, Mass. Hats, neckwear, waists, dresses, &c. No. 89,818; Jan. 14; Gaz. vol. 186; p. 552.
- Crompton Company, Crompton, R. I. Certain named textile fabrics. No. 93,264; Sept. 2; Gaz. vol. 194; p. 269.
- Cross, Frank O., Kingman, Kans. Syrup for flavoring purposes. No. 91,078; Apr. 15; Gaz. vol. 189; p. 775.
- Crouch, Geo. G., Atlanta, Ga. Liver and stomach remedy. No. 93,164; Aug. 26; Gaz. vol. 193; p. 1011.
- Crouse-Hinds Company, Syracuse, N. Y. Certain named electric fittings, receptacles, and parts thereof. No. 90,295; Feb. 18; Gaz. vol. 187; p. 823.
- Crowe, Paul L., Jersey City, N. J. Stokers and chain grates for furnaces. No. 92,048; June 17; Gaz. vol. 191; p. 825.
- Crowley, Charles H., New York, N. Y. Hooks and eyes. No. 94,515; Dec. 9; Gaz. vol. 197; p. 530.
- Crown Mills Company, Belleville, Ill., and St. Louis, Mo. Wheat-flour. No. 91,649; May 20; Gaz. vol. 190; p. 787.
- Cudaby Packing Company, The, Chicago, Ill. Oleomargarin. No. 89,993; Jan. 28; Gaz. vol. 186; p. 981.
- Cudaby Packing Company, The, Chicago, Ill. Cleaner and cleanser for household use. No. 92,322; July 1; Gaz. vol. 192; p. 211.
- Cullen, Thomas C., Bradford, England. Certain named clothing for men, women, and children. No. 93,165; Aug. 26; Gaz. vol. 193; p. 1011.
- Cullen, Thomas C., Bradford, England. Wool, worsted, and hair piece material. No. 93,265; Sept. 2; Gaz. vol. 194; p. 269.
- Cummer Mfg. Co., Cadillac, Mich. Crates, boxes, and baskets. No. 89,819; Jan. 14; Gaz. vol. 186; p. 552.
- Cummer Mfg. Co., Cadillac, Mich. Crates, boxes, and baskets. No. 90,296; Feb. 18; Gaz. vol. 187; p. 823.
- Cunningham, Walter C., Denver, Colo. Preparation for removing wrinkles. No. 91,650; May 20; Gaz. vol. 190; p. 787.
- Curtis, Earl, Boston, Mass. Nail-polish. No. 91,324; Apr. 29; Gaz. vol. 189; p. 1275.
- Curtis Publishing Company, The, Philadelphia, Pa. Periodical publication. No. 93,341; Sept. 9; Gaz. vol. 194; p. 545.
- Curtis, Will E., Chicago, Ill. Egg-cooking apparatus and parts thereof. No. 93,696; Oct. 14; Gaz. vol. 195; p. 534.
- Cusimano, Jacob, New Orleans, La. Tomato paste. No. 92,755; July 29; Gaz. vol. 192; p. 1255.

Alphabetical list of registrants of trade-marks—Continued.

- Cutler-Hammer Mfg. Co., The, Milwaukee, Wis. Electric switches. Nos. 94,545-6; Dec. 16; Gaz. vol. 197; p. 777.
- D. Antolini & Co., New York, N. Y. Claret-wine and champagne. No. 91,633; May 20; Gaz. vol. 190; p. 787.
- D. Gruen, Sons & Company, The, Cincinnati, Ohio. Watches. No. 94,631; Dec. 23; Gaz. vol. 197; p. 993.
- D. F. Briggs Co., Attleboro, Mass. Metal chains, lockets, and pins. No. 93,590; Sept. 30; Gaz. vol. 194; p. 1137.
- D. & L. Slade Company, Boston and Revere, Mass. Baking-powder. No. 94,211; Nov. 11; Gaz. vol. 196; p. 523.
- D. M. Sechler Implement & Carriage Co., Moline, Ill. Manure-spreaders. No. 94,675; Dec. 23; Gaz. vol. 197; p. 994.
- Daimler-Motoren-Gesellschaft, Untertürkheim, near Stuttgart, Germany. Certain cutlery, machinery, and tools, and parts thereof. No. 90,873; Apr. 1; Gaz. vol. 189; p. 247.
- Daimler-Motoren-Gesellschaft, Untertürkheim, near Stuttgart, Germany. Certain named electrical apparatus, machines, and supplies. No. 90,874; Apr. 1; Gaz. vol. 189; p. 247.
- Daimler-Motoren-Gesellschaft, Untertürkheim, near Stuttgart, Germany. Certain named articles of clothing. No. 91,759; May 27; Gaz. vol. 190; p. 1023.
- Daimler-Motoren-Gesellschaft, Untertürkheim, near Stuttgart, Germany. Certain named articles of textile and woven fabric. No. 91,760; May 27; Gaz. vol. 190; p. 1023.
- Daimler-Motoren-Gesellschaft, Untertürkheim, near Stuttgart, Germany. Certain named machinery castings and forgings. No. 91,855; June 3; Gaz. vol. 191; p. 287.
- Daimler-Motoren-Gesellschaft, Untertürkheim, near Stuttgart, Germany. Certain metal castings and forgings. No. 91,856; June 3; Gaz. vol. 191; p. 288.
- Daimler-Motoren-Gesellschaft, Untertürkheim, near Stuttgart, Germany. Certain named furniture and upholstery. No. 91,948; June 10; Gaz. vol. 191; p. 581.
- Daimler-Motoren-Gesellschaft, Untertürkheim, near Stuttgart, Germany. Heating, lighting, and ventilating apparatus, not including electrical apparatus. No. 91,949; June 10; Gaz. vol. 191; p. 581.
- Daimler-Motoren-Gesellschaft, Untertürkheim, near Stuttgart, Germany. Certain named clothing. No. 91,950; June 10; Gaz. vol. 191; p. 581.
- Daimler-Motoren-Gesellschaft, Untertürkheim, near Stuttgart, Germany. Certain named furniture and upholstery. No. 91,951; June 10; Gaz. vol. 191; p. 581.
- Daimler-Motoren-Gesellschaft, Untertürkheim, near Stuttgart, Germany. Heating, lighting, and ventilating apparatus, not including electrical apparatus. No. 91,952; June 10; Gaz. vol. 191; p. 581.
- Daimler-Motoren-Gesellschaft, Untertürkheim, near Stuttgart, Germany. Metals and metal castings and forgings. No. 92,407; July 8; Gaz. vol. 192; p. 511.
- Daimler-Motoren-Gesellschaft, Untertürkheim, near Stuttgart, Germany. Certain named measuring and scientific appliances. Nos. 92,537-8; July 15; Gaz. vol. 192; p. 738.
- Daimler-Motoren-Gesellschaft, Untertürkheim, near Stuttgart, Germany. Certain cutlery, machinery, and tools, and parts thereof. Nos. 93,081-2; Aug. 19; Gaz. vol. 193; p. 749.
- Daimler-Motoren-Gesellschaft, Untertürkheim, near Stuttgart, Germany. Certain named vehicles and parts thereof. Nos. 93,697-8; Oct. 14; Gaz. vol. 195; p. 534.
- Daimler-Motoren-Gesellschaft, Untertürkheim, near Stuttgart, Germany. Flying-machines and certain named parts thereof. No. 94,066; Nov. 4; Gaz. vol. 196; p. 269.
- Dakota Cereal Company, Aberdeen, S. D. Cereal breakfast foods. No. 90,970; Apr. 8; Gaz. vol. 189; p. 517.
- Dakota Improved Seed Company, Mitchell, S. D. Disinfectants and lice-powder. No. 90,174; Feb. 11; Gaz. vol. 187; p. 507.
- Dakota Improved Seed Company, Mitchell, S. D. Flower, vegetable, and cereal seeds. No. 92,323; July 1; Gaz. vol. 192; p. 211.
- Dallas Oil & Refining Co., Dallas, Tex. Cotton-seed cooking-oil. No. 92,192; June 24; Gaz. vol. 191; p. 1062.
- Danahy Packing Co., The, Buffalo, N. Y. Fresh and cured pork. No. 92,539; July 15; Gaz. vol. 192; p. 738.
- Daniel, Charles A., Philadelphia, Pa. Packing. No. 89,821; Jan. 14; Gaz. vol. 186; p. 552.
- Daniel Miller Company, Baltimore, Md. Ready-to-wear garments. No. 91,325; Apr. 29; Gaz. vol. 189; p. 1275.
- Daniels, William S., Boston, Mass. Pneumatic tires. No. 90,297; Feb. 18; Gaz. vol. 187; p. 823.
- Danske Landboforeninger Frøforsyning, Roskilde, Denmark. Seeds. No. 91,857; June 3; Gaz. vol. 191; p. 288.
- Dauerhefe-Gesellschaft m. b. H., Berlin, Germany. Yeast. No. 91,326; Apr. 29; Gaz. vol. 189; p. 1275.
- Daussa & Co., P., Brooklyn, N. Y. Macaroni, vermicelli, spaghetti, and noodles. No. 93,083; Aug. 19; Gaz. vol. 193; p. 749.
- Davenport, George F., Boston, Mass. Cigars, cigarettes, and tobacco. No. 92,960; Aug. 12; Gaz. vol. 193; p. 504.
- David Berg Distilling Company, Philadelphia, Pa. Denatured alcohol. No. 94,592; Dec. 23; Gaz. vol. 197; p. 991.
- David, Emil, New York, N. Y. Hair-nets. No. 90,794; Mar. 25; Gaz. vol. 188; p. 1047.
- David, Emil, New York, N. Y. Hair-nets. No. 94,516; Dec. 9; Gaz. vol. 197; p. 530.
- David Nicholson Grocer Company, St. Louis, Mo. Extract of malt. No. 94,482; Dec. 9; Gaz. vol. 197; p. 529.
- David Williams Company, The, New York, N. Y. Weekly publications. No. 90,398; Feb. 18; Gaz. vol. 187; p. 826.
- Davidson & Finkelbrand, New York, N. Y. Men's suits and overcoats. No. 91,651; May 20; Gaz. vol. 190; p. 787.
- Davies & Meacham, Cleveland, Ohio. Paints, wall-finishes, stains, &c. No. 91,464; May 6; Gaz. vol. 190; p. 259.
- Davies & Meacham, Cleveland, Ohio. Certain named paints, lacs, stains, enamels, varnishes, and fillers. Nos. 93,699-702; Oct. 14; Gaz. vol. 195; p. 534.
- Davis, Alonzo E., Montgomery, Ala. Writing-ink. No. 90,298; Feb. 18; Gaz. vol. 187; p. 823.
- Davis, Colonel, Philadelphia, Pa. Liniment and salve. No. 92,961; Aug. 12; Gaz. vol. 193; p. 504.
- Davis, Frank E., Haverhill, Mass. Remedy for eczema. No. 91,174; Apr. 22; Gaz. vol. 189; p. 1025.
- Davis, Harry G., Chicago, Ill. Medicated plaster. No. 90,686; Mar. 18; Gaz. vol. 188; p. 803.
- Davis, J. M., Statesville, N. C. Hair-tonics. No. 91,417; Apr. 29; Gaz. vol. 189; p. 1278.
- Davis and Lawrence Co., New York, N. Y. Liniment. No. 90,515; Mar. 4; Gaz. vol. 188; p. 237.
- Davis Milling Company, The, St. Joseph, Mo. Cornmeal. No. 89,994; Jan. 28; Gaz. vol. 186; p. 981.
- Davis Milling Company, St. Joseph, Mo. Pancake-flour. No. 90,516; Mar. 4; Gaz. vol. 188; p. 237.
- Day, Emily D., New York, N. Y. Figs, dried fruits, and nuts. No. 93,973; Oct. 28; Gaz. vol. 195; p. 1045.
- De Geer, Herman C., Richmond, Va. Sash-holder. No. 91,327; Apr. 29; Gaz. vol. 189; p. 1275.
- De Groff, Elisabeth, New York, N. Y. Table sauce. No. 89,998; Jan. 28; Gaz. vol. 186; p. 981.
- De Groot & Co., J., Zeeland, Mich. Abrasive substances for removing stains, &c., from clothing. No. 94,717; Dec. 30; Gaz. vol. 197; p. 1287.
- De Hayes Co., A., New York, N. Y. Metal cleaning and polishing compound. No. 90,972; Apr. 8; Gaz. vol. 189; p. 518.
- De la Mora, Ve h de R., Guadalajara, Mexico. Tequila, an alcoholic beverage. No. 94,718; Dec. 30; Gaz. vol. 197; p. 1287.
- De Mauro, Pietro, New York, N. Y. Rat-exterminating compound. No. 94,273; Nov. 25; Gaz. vol. 196; p. 1047.
- De Pree Chemical Company, The, Holland, Mich. Embalming fluid. No. 90,875; Apr. 1; Gaz. vol. 189; p. 247.
- De Schaum, William A., Detroit, Mich. Automobiles. No. 94,239; Nov. 18; Gaz. vol. 196; p. 801.
- De Witt-Seitz Company, Augusta, Me., and Duluth, Minn. Bed frames, springs, mattresses, and pillows. No. 89,822; Jan. 14; Gaz. vol. 186; p. 552.
- Deal, Enan M., Philadelphia, Pa. Remedies for diseases of the blood, kidneys, and liver. No. 91,175; Apr. 22; Gaz. vol. 189; p. 1025.
- Deal, Enan M., Philadelphia, Pa. Liquid boiler compound. No. 93,266; Sept. 2; Gaz. vol. 194; p. 269.
- Dean Auto Devices Company, Chicago, Ill. Choking devices for alternating-current circuits. No. 91,465; May 6; Gaz. vol. 190; p. 259.
- Dean & Co., Ltd., Ann Arbor, Mich. Blend coffee. No. 93,524; Sept. 23; Gaz. vol. 194; p. 947.
- Dean Electric Company, Elyria, Ohio. Electric automobile-horns and circuit-controllers for same. No. 94,547; Dec. 16; Gaz. vol. 197; p. 777.
- Dean Electric Company, The, Elyria, Ohio. Electric automobile and motor-cycle horns. No. 94,608; Dec. 23; Gaz. vol. 197; p. 992.
- Déckel G. m. b. H., Friedrich, Munich, Germany. Certain named photographic apparatus and supplies therefor. No. 90,299; Feb. 18; Gaz. vol. 187; p. 823.
- Decker, Ellen W., New York, N. Y. Stockings. No. 89,997; Jan. 28; Gaz. vol. 186; p. 981.
- Decker, George W., St. Louis, Mo. Casting investment compound. No. 90,421; Feb. 25; Gaz. vol. 187; p. 1111.
- Déclat Manufacturing Co., The, New York, N. Y. Medicines for burns, wounds, erysipelas, &c. No. 93,429; Sept. 16; Gaz. vol. 194; p. 739.
- Déclat Manufacturing Co., New York, N. Y. Medical and chemical preparations. No. 93,828; Oct. 21; Gaz. vol. 195; p. 812.
- Dedeck, William J., St. Louis, Mo. Preparation for repolishing glazed surfaces. No. 91,858; June 3; Gaz. vol. 191; p. 288.
- Deep Sea Salmon Company, Inc., Seattle, Wash. Canned salmon. No. 92,756; July 29; Gaz. vol. 192; p. 1255.
- Deere & Company, Moline, Ill. Certain named cutlery, machinery, and tools. Nos. 91,859-61; June 3; Gaz. vol. 191; p. 288.

Alphabetical list of registrants of trade-marks—Continued.

- Defender Manufacturing Co., New York, N. Y. Sheetings, sheets, pillow-cases, &c. No. 90,871; Apr. 1; Gaz. vol. 189; p. 247.
- Deimel Linen Mesh System Company, San Francisco, Cal. Dress-shields. No. 92,757; July 29; Gaz. vol. 192; p. 1255.
- Deitsch Brothers, New York, N. Y., assignors to United Drug Company. Toilet-brushes. No. 93,430; Sept. 16; Gaz. vol. 194; p. 739.
- Del Monte Milling Co., San Francisco, Cal. Flaked oats. No. 89,999; Jan. 28; Gaz. vol. 186; p. 981.
- Delac, Charles, Paris, France. Certain scientific appliances. No. 91,466; May 6; Gaz. vol. 190; p. 259.
- Dellgance Gown Company, The, Denver, Colo. Gowns, robes, wraps, and dresses. No. 90,419; Feb. 25; Gaz. vol. 187; p. 1111.
- Dempsey Candy Company, Kansas City, Mo. Candy. No. 93,233; Aug. 26; Gaz. vol. 193; p. 1013.
- Dempster & Place Company, Gloversville, N. Y. Gloves and mittens. No. 93,829; Oct. 21; Gaz. vol. 195; p. 812.
- Dennison Manufacturing Company, Boston, Mass. Tags. Nos. 94,609-19; Dec. 23; Gaz. vol. 197; p. 992.
- Deppe Söhne, Anton, Hamburg, Germany. Perfumes and parts thereof. No. 89,960; Jan. 21; Gaz. vol. 186; p. 794.
- Deppen Brewing Co., The, Reading, Pa. Beer. No. 93,166; Aug. 26; Gaz. vol. 193; p. 1011.
- Dermacide Remedy Company, Tacoma, Wash. Skin and blood remedies. No. 90,687; Mar. 18; Gaz. vol. 188; p. 803.
- Dervin, James J., New York, N. Y. Ointment. No. 89,913; Jan. 21; Gaz. vol. 186; p. 793.
- Despessailles & Cie., Paris, France. Certain named electrical apparatus and accessories. No. 94,428; Dec. 9; Gaz. vol. 197; p. 527.
- Dessauer & Engel, Chicago, Ill. Knitted underwear. No. 93,830; Oct. 21; Gaz. vol. 195; p. 812.
- Detrey, Emanuel, Zurich, Switzerland. Certain named dental supplies. No. 94,784; Dec. 30; Gaz. vol. 197; p. 1289.
- Detroit Emery Wheel Company, Detroit, Mich. Grinding-wheels. No. 94,429; Dec. 9; Gaz. vol. 197; p. 527.
- Detroit News Company, The, Detroit, Mich. Envelops, scratch and note pads, and pencils. No. 90,301; Feb. 18; Gaz. vol. 187; p. 823.
- Detroit Sanitary Supply Company, Detroit, Mich. Bath-tub, basin, and closet fittings, supply-pipes, and metallic valves. No. 94,167; Nov. 11; Gaz. vol. 196; p. 521.
- Detroit Stove Works, Detroit, Mich. Sheet-steel. No. 91,862; June 3; Gaz. vol. 191; p. 288.
- Detroit Stove Works, Detroit, Mich. Stove-iron. No. 91,863; June 3; Gaz. vol. 191; p. 288.
- Deutsch & Co., Emil, New York, N. Y. Children's and misses' coats, cloaks, and outer suits. No. 90,099; Feb. 4; Gaz. vol. 187; p. 227.
- Deutsche Maschinenfabrik Aktien Gesellschaft, Duisburg, Germany, and New York, N. Y. Certain named machinery and parts thereof. No. 94,274; Nov. 25; Gaz. vol. 196; p. 1047.
- Dewender, William H., Brooklyn, N. Y. Powder dentifrice. No. 89,737; Jan. 7; Gaz. vol. 186; p. 285.
- Dewey, William F., Kansas City, Mo. Stoves. No. 90,796; Mar. 25; Gaz. vol. 188; p. 1047.
- Dexter Manufacturing Company, Fairfield, Iowa. Laundry washing-machines. No. 90,973; Apr. 8; Gaz. vol. 189; p. 518.
- Dexter Yarn Co., Pawtucket, R. I. Certain threads and yarns. No. 92,878; Aug. 5; Gaz. vol. 193; p. 215.
- Dexter Yarn Company, Pawtucket, R. I. Certain named cotton yarns. No. 90,795; Mar. 25; Gaz. vol. 188; p. 1047.
- Diamant-Gesellschaft m. b. H., Kahl-on-the-Main, Germany. Abrasive materials for grinding valves, &c. No. 91,559; May 13; Gaz. vol. 190; p. 543.
- Diamond Chemical Company, San Francisco, Cal. Artificially-prepared mineral water. No. 90,688; Mar. 18; Gaz. vol. 188; p. 803.
- Diamond Expansion Bolt Co., New York, N. Y. Rock-drilling machines. No. 91,467; May 6; Gaz. vol. 190; p. 260.
- Diamond Gelatine Company, New York, N. Y. Gelatin. No. 92,324; July 1; Gaz. vol. 192; p. 211.
- Diamond "H" Mfg. Co., New York, N. Y. Preparation for treating rheumatism and gout. No. 93,234; Aug. 26; Gaz. vol. 193; p. 1013.
- Diamond Rubber Company, Akron, Ohio, assignor to The B. F. Goodrich Company. Rubber vehicle-tires. No. 89,823; Jan. 14; Gaz. vol. 186; p. 552.
- Diamond Rubber Company, Akron, Ohio, assignor to The B. F. Goodrich Company. Rubber belting and valves and cotton rubber hose. No. 89,824; Jan. 14; Gaz. vol. 186; p. 552.
- Diamond Rubber Company, Akron, Ohio, assignor to The B. F. Goodrich Company. Rubber vehicle-tires. Nos. 89,825-8; Jan. 14; Gaz. vol. 186; p. 552.
- Diamond Rubber Company, Akron, Ohio, assignor to The B. F. Goodrich Company. Rubber belting and valves and cotton rubber hose. Nos. 89,829-30; Jan. 14; Gaz. vol. 186; p. 552.
- Diamond Rubber Company, The, Akron, Ohio, assignor to B. F. Goodrich Company. Tires and rubber tubes for automobiles and motor-cycles. No. 92,193; June 24; Gaz. vol. 191; p. 1062.
- Diamond Rubber Company, The, Akron, Ohio, assignor to B. F. Goodrich Company. Tires and tire-tubes and rubber tubes for certain vehicles. No. 92,194; June 24; Gaz. vol. 191; p. 1062.
- Diamond State Fibre Company, Elsmere, Del. Certain named goods made of vulcanized fiber for electrical purposes. No. 93,267; Sept. 2; Gaz. vol. 194; p. 269.
- Dick, Firm of Friedr., Esslingen, Germany. Certain named cutlery, tools, and parts thereof. No. 92,325; July 1; Gaz. vol. 192; p. 211.
- Dickinson, John Q., Malden, W. Va. Salt, calcium chlorid, and bromin. No. 93,594; Sept. 30; Gaz. vol. 194; p. 1137.
- Dickinson, Maude, Brighton, England. Certain electrical apparatus and supplies. No. 92,962; Aug. 12; Gaz. vol. 193; p. 504.
- Dickinson, Maude, Brighton, England. Certain fancy goods, furnishings, and notions. No. 93,167; Aug. 26; Gaz. vol. 193; p. 1011.
- Diederichsen & Co., H., Hamburg, Germany. Certain named foods. No. 92,963; Aug. 12; Gaz. vol. 193; p. 504.
- Dieseldorff, Erwin P., Berlin, Germany. Remedy for tuberculosis, scrofulous diseases, and lupus. No. 89,914; Jan. 21; Gaz. vol. 186; p. 793.
- Dietrich, Karl, Altenburg, Germany. Sewing-machines and certain named parts thereof. No. 90,302; Feb. 18; Gaz. vol. 187; p. 823.
- Dilworth, William S., East Orange, N. J. Vegetable compound for certain named diseases. No. 90,517; Mar. 4; Gaz. vol. 188; p. 237.
- Dinkelacker, Christian H., Cincinnati, Ohio. Bread. No. 92,326; July 1; Gaz. vol. 192; p. 211.
- Direct Importing Company, Boston, Mass. Certain named soap, polish, and cleaning and washing compounds. No. 91,176; Apr. 22; Gaz. vol. 189; p. 1025.
- Direct Importing Company, Boston, Mass. Machine-oil. No. 91,468; May 6; Gaz. vol. 190; p. 260.
- Direct Importing Company, Boston, Mass. Certain chemical preparations for laundry purposes. No. 92,195; June 24; Gaz. vol. 191; p. 1062.
- Direct Importing Company, Boston, Mass. Certain foods. No. 93,235; Aug. 26; Gaz. vol. 193; p. 1013.
- Directors Film Corporation, New York, N. Y. Moving-picture films. No. 93,975; Oct. 28; Gaz. vol. 195; p. 1045.
- Divine, Charles A., Columbus, Ohio. Metal signs. No. 93,491; Sept. 16; Gaz. vol. 194; p. 741.
- Dixie Fertilizer Co., Prattville, Ala. Fertilizing compound. No. 92,758; July 29; Gaz. vol. 192; p. 1255.
- Dobbins Soap Manufacturing Company, Philadelphia, Pa. Cleaning compounds. No. 92,408; July 8; Gaz. vol. 192; p. 511.
- Dobrocinski, Casper J., New York, N. Y. Laxative. No. 93,976; Oct. 28; Gaz. vol. 195; p. 1045.
- Dodge, M. Hartley, Passaic township, Morris county, N. J., and New York, N. Y. Certain named firearms and supplies therefor. No. 90,304; Feb. 18; Gaz. vol. 187; p. 823.
- Dodge, M. Hartley, Passaic township, Morris county, N. J., and New York, N. Y. Rifles, shotguns, cartridges, caps, primers, and wads. No. 90,305; Feb. 18; Gaz. vol. 187; p. 823.
- Doelger, Charles P., *et al.*, executors. (See Doelger, Peter.)
- Doelger, Peter, deceased, New York, N. Y.; P. and C. P. Doelger and F. J. Fenerbach, executors. Beer. No. 92,964; Aug. 12; Gaz. vol. 193; p. 504.
- Dolan Mercantile Company, The, Atchison, Kans. Salt. No. 92,652; July 22; Gaz. vol. 192; p. 984.
- Dolarway Paving Co., New York, N. Y. Portland and hydraulic cements. No. 92,409; July 8; Gaz. vol. 192; p. 511.
- Dole, Vincent P., Chicago, Ill. Olives and olive-oil. No. 90,518; Mar. 4; Gaz. vol. 188; p. 237.
- Dollfus-Mieg & Cie. Société anonyme, Mulhausen, Alsace, Germany. Yarn and thread. Nos. 90,519-20; Mar. 4; Gaz. vol. 188; p. 237.
- Dollfus-Mieg & Cie. Société Anonyme, Mulhouse, Germany. Yarns, threads, cords, braids, and laces. No. 94,720; Dec. 30; Gaz. vol. 197; p. 1287.
- Domecq, Pedro, Jerez de la Frontera, Spain. Brandies. Nos. 89,738-40; Jan. 7; Gaz. vol. 186; p. 285.
- Donnelly Brothers, Troy, N. Y. Wines. No. 92,410; July 8; Gaz. vol. 192; p. 511.
- Dormer Brothers Co., The, Cincinnati, Ohio. Hosiery. No. 92,196; June 24; Gaz. vol. 191; p. 1062.
- Dormer Brothers Co., Cincinnati, Ohio. Hosiery. No. 93,831; Oct. 21; Gaz. vol. 195; p. 812.
- Dougherty, Harry D., Philadelphia, Pa. Box-springs, mattresses, pillows, and bedsteads. No. 91,652; May 20; Gaz. vol. 190; p. 787.
- Dover Stamping and Manufacturing Company, Cambridge, Mass. Metal ash-barrels, covers for same, &c. No. 89,995; Jan. 28; Gaz. vol. 186; p. 981.

Alphabetical list of registrants of trade-marks—Continued.

- Dowd & Co., J. C., New York, N. Y. Mirrors, mirror and picture frames. No. 94,068; Nov. 4; Gaz. vol. 196; p. 269.
- Dowd & Co., J. C., New York, N. Y. Brushes. No. 94,069; Nov. 4; Gaz. vol. 196; p. 269.
- Dowd & Co., J. C., New York, N. Y. Certain named receptacles, all made of celluloid. No. 94,275; Nov. 25; Gaz. vol. 196; p. 1047.
- Dowling Bros. Inc., Burgin, Ky. Whisky. No. 89,996; Jan. 28; Gaz. vol. 186; p. 981.
- Downs, John H., Jersey City, N. J. Metal fencing and fencing material. No. 89,831; Jan. 14; Gaz. vol. 186; p. 552.
- Dr. A. Wander, A.-G., Berne, Switzerland. Food drink. No. 93,650; Oct. 7; Gaz. vol. 195; p. 271.
- Dr. Bayer és társa, Budapest, Austria-Hungary. Salve for dermatological purposes. No. 90,954; Apr. 8; Gaz. vol. 189; p. 517.
- Dr. Bayer és Társa, Budapest, Austria-Hungary. Salves. No. 92,621; July 22; Gaz. vol. 192; p. 983.
- Dr. Bayer és Társa, Budapest, Austria-Hungary. Mercurial preparations. No. 92,622; July 22; Gaz. vol. 192; p. 983.
- Dr. Bayer és Társa, Budapest, Austria-Hungary. Salves. No. 92,623; July 22; Gaz. vol. 192; p. 983.
- Dr. Bayer és társa, Budapest, Austria-Hungary. Certain remedies for treatment of certain diseases. No. 93,670; Oct. 14; Gaz. vol. 195; p. 533.
- Dr. Bruno Beckmann Chemische Fabrik Gesellschaft mit beschränkter Haftung. Chemical substances prepared for use in certain named purposes. No. 94,591; Dec. 23; Gaz. vol. 197; p. 991.
- Dr. J. H. McLean Medicine Company, The, St. Louis, Mo. Vermifuges. No. 91,889; June 3; Gaz. vol. 191; p. 288.
- Dr. J. H. McLean Medicine Company, The, St. Louis, Mo. Oil liniment. Nos. 91,890-1; June 3; Gaz. vol. 191; p. 289.
- Dr. J. H. McLean Medicine Company, The, St. Louis, Mo. Medicines, preparations, or compounds used in treating certain named diseases. No. 91,981; June 10; Gaz. vol. 191; p. 582.
- Dr. J. H. McLean Medicine Company, St. Louis, Mo. Medicines or preparations intended as remedies for certain named diseases. No. 91,982; June 10; Gaz. vol. 191; p. 582.
- Dr. J. H. McLean Medicine Company, St. Louis, Mo. Medicines or preparations designed for the treatment of certain named diseases. No. 91,983; June 10; Gaz. vol. 191; p. 582.
- Dr. J. H. McLean Medicine Company, St. Louis, Mo. Medicines and preparations for the treatment of certain named diseases. Nos. 91,984-5; June 10; Gaz. vol. 191; p. 582.
- Dr. Kereszty, Dr. Wolf és Tsa. Vegyészeti gyár R. T., Budapest, Austria-Hungary. Tar colloids. No. 93,730; Oct. 14; Gaz. vol. 195; p. 535.
- Drägerwerk, Heintz & Bernh. Dräger, Lübeck, Germany. Respiratory apparatus and devices for administering oxygen. No. 94,620; Dec. 23; Gaz. vol. 197; p. 992.
- Draper Company, Portland, Me., and Hopedale, Mass. Loom-templates and parts thereof. No. 90,797; Mar. 25; Gaz. vol. 188; p. 1047.
- Draper Company, Portland, Me., and Hopedale, Mass. Periodical or magazine. No. 93,525; Sept. 23; Gaz. vol. 194; p. 947.
- Drayer, John A., Lyons, Iowa. Yeast. No. 90,798; Mar. 25; Gaz. vol. 188; p. 1047.
- Drew, Adelaide C., Boston, Mass. Remedy for rheumatism, gout, uric acid, and neuralgia. No. 91,953; June 10; Gaz. vol. 191; p. 581.
- Drew, Adelaide C., Boston, Mass. Medicines, preparations, compounds, and tablets for certain named diseases. No. 91,986; June 10; Gaz. vol. 191; p. 582.
- Driver-Harris Wire Co., Harrison, N. J. Metal plates, strips, and insulated wire. No. 93,342; Sept. 9; Gaz. vol. 194; p. 545.
- Druf Chemical Co., Baltimore, Md. Ointment. No. 92,653; July 22; Gaz. vol. 192; p. 984.
- Drug Products Co., Inc., The, New York, N. Y. Certain named chemical and medical compounds. No. 94,070; Nov. 4; Gaz. vol. 196; p. 269.
- Druggists Co-operative Association, Incorporated, Jersey City, N. J., and Detroit, Mich. Certain named medicines and pharmaceutical preparations. No. 91,080; Apr. 15; Gaz. vol. 189; p. 775.
- Druggists' Co-operative Association (Inc.), Jersey City, N. J., and Detroit, Mich. Grape-juice. No. 92,759; July 29; Gaz. vol. 192; p. 1255.
- Druggists' Co-operative Association, Inc., Jersey City, N. J., and Detroit, Mich. Clothes and toilet brushes. No. 93,503; Sept. 16; Gaz. vol. 194; p. 741.
- Druggists' Co-operative Association Inc., Jersey City, N. J., and Detroit, Mich. Soap. No. 93,832; Oct. 21; Gaz. vol. 195; p. 812.
- Dryola Company, Inc., Charlotte, N. C. Polish for furniture, automobile-bodies, and floors. No. 93,595; Sept. 30; Gaz. vol. 194; p. 1137.
- Dubbeldam Hzn., Hendrik, Gorinchem, Netherlands. Fibrous building materials. No. 91,349; Apr. 29; Gaz. vol. 189; p. 1276.
- Dubonnet & de la Bussière, Edouard, Montreuil, Seine, France. Aperitive wine. No. 91,561; May 13; Gaz. vol. 190; p. 543.
- Duboux & Rapin, Grandvaux, Switzerland. Chemical product for preserving eggs. No. 91,418; Apr. 29; Gaz. vol. 189; p. 1278.
- Duchess Lulu Company, The, Grand Rapids, Mich. Toilet-cream and complexion-powder. No. 92,965; Aug. 12; Gaz. vol. 193; p. 504.
- Dudley & Company, U. H., New York, N. Y. Dates. No. 90,175; Feb. 11; Gaz. vol. 187; p. 507.
- Dudley & Company, U. H., New York, N. Y. Dates. No. 90,306; Feb. 18; Gaz. vol. 187; p. 824.
- Dudley & Company, U. H., New York, N. Y. Dates. No. 90,420; Feb. 25; Gaz. vol. 187; p. 1111.
- Dudley & Company, U. H., New York, N. Y. Dates. No. 93,236; Aug. 26; Gaz. vol. 193; p. 1013.
- Duguid, Charles, New York, N. Y. Building-blocks. No. 90,307; Feb. 18; Gaz. vol. 187; p. 824.
- Dulany, John R., Pittsburgh, Pa. Carbon-cleaner. No. 91,177; Apr. 22; Gaz. vol. 189; p. 1026.
- Dulles, Charles W., Philadelphia, Pa. Leggings. No. 92,654; July 22; Gaz. vol. 192; p. 984.
- Dunford, J. W., Atlanta, Ga. Paints. No. 94,431; Dec. 9; Gaz. vol. 197; p. 527.
- Dunlap Manufacturing Co., Bloomington, Ill. Furniture-polish. No. 90,308; Feb. 18; Gaz. vol. 187; p. 824.
- Dunlop Pneumatic Tyre Co. Ltd., The, London, England. Motor-car wheels. No. 92,966; Aug. 12; Gaz. vol. 193; p. 504.
- Dunlop's Sons, Jno., New York, N. Y. Thrown silks, silk threads, and yarns. No. 91,761; May 27; Gaz. vol. 190; p. 1023.
- Dunn, Harry C., New York, N. Y. Pepsinated mint candy. No. 91,081; Apr. 15; Gaz. vol. 189; p. 775.
- Dunn, Jessie E. L., Chicago, Ill. Cleansing fluid. No. 94,432; Dec. 9; Gaz. vol. 197; p. 527.
- Duplan Silk Co., New York, N. Y. Satin crape silk piece goods. No. 89,741; Jan. 7; Gaz. vol. 186; p. 285.
- Dupont, Victor G., San Francisco, Cal. Mange shampoo preparation. No. 92,655; July 22; Gaz. vol. 192; p. 984.
- Duquette, Jennie, Chicopee Falls, Mass. Collar-stays. No. 93,168; Aug. 26; Gaz. vol. 193; p. 1011.
- Durbar Co., The, Jersey City, N. J., and New York, N. Y. Spices, flavoring extracts, and olive-oil. No. 91,762; May 27; Gaz. vol. 190; p. 1023.
- Dust-no-more Manufacturing Company, Ogden, Utah. Sweeping compound. No. 92,656; July 22; Gaz. vol. 192; p. 984.
- Duttenhofer, Frank, Cincinnati, Ohio. Gaskets and packing materials. No. 91,653; May 20; Gaz. vol. 190; p. 787.
- Dwenger, Charles L., New York, N. Y. Chinaware. No. 92,540; July 15; Gaz. vol. 192; p. 738.
- Dwight Edwards Company, Portland, Oreg. Baking-powder. No. 92,050; June 17; Gaz. vol. 191; p. 825.
- Dwight Edwards Company, Portland, Oreg. Teas. No. 92,658; July 22; Gaz. vol. 192; p. 984.
- Dwight Edwards Company, Portland, Oreg. Coffee, tea, spices, and flavoring extracts. No. 93,834; Oct. 21; Gaz. vol. 195; p. 812.
- Dwinell-Wright Company, Boston, Mass. Cereal substitute for coffee. No. 91,178; Apr. 22; Gaz. vol. 189; p. 1026.
- Dyar Supply Company, The, Cambridge, Mass. Garbage and refuse cans. No. 93,169; Aug. 26; Gaz. vol. 193; p. 1011.
- Dykeman, Neill & Loeb, Philadelphia, Pa. Cotton piece goods. No. 92,197; June 24; Gaz. vol. 191; p. 1062.
- E. Greenfield's Sons, New York, N. Y. Candy. No. 90,882; Apr. 1; Gaz. vol. 189; p. 247.
- E. Greenfield's Sons, New York and Brooklyn, N. Y. Candies. No. 94,630; Dec. 23; Gaz. vol. 197; p. 992.
- E. Griffiths Hughes (Krüschén) Limited, Manchester, England. Medicinal salts. No. 90,115; Feb. 4; Gaz. vol. 187; p. 228.
- E. Kirstein Sons Company, Rochester, N. Y. Eyeglass-guards. No. 92,082; June 17; Gaz. vol. 191; p. 826.
- E. A. Potter Company, Providence, R. I. Certain named precious-metal pins, tie-clasps, link-buttons, and bracelets. No. 94,199; Nov. 11; Gaz. vol. 196; p. 522.
- E. B. Estes & Sons, New York, N. Y. Metal-polishing powder. No. 91,182; Apr. 22; Gaz. vol. 189; p. 1026.
- E. B. Millar & Co., Chicago, Ill. Spices. No. 94,652; Dec. 23; Gaz. vol. 197; p. 993.
- E. C. Atkins & Co., Indianapolis, Ind. Saws. No. 93,149; Aug. 26; Gaz. vol. 193; p. 1011.
- E. C. Atkins & Company, Indianapolis, Ind. Certain cutlery, machinery, and tools, and parts thereof. No. 92,033; June 17; Gaz. vol. 191; p. 825.
- E. C. Atkins & Company, Indianapolis, Ind. Wood and metal saws, cone and corn knives, and trowels. No. 94,152; Nov. 11; Gaz. vol. 196; p. 521.
- E. C. Atkins & Company, Indianapolis, Ind. Machine-knives used in cutting-machines. No. 94,415; Dec. 9; Gaz. vol. 197; p. 527.
- E. C. McWatty Company Incorporated, New York, N. Y. Corsets. No. 91,683; May 20; Gaz. vol. 190; p. 788.
- E. C. McWatty Company, Incorporated, New York, N. Y. Corsets. Nos. 92,250-2; June 24; Gaz. vol. 191; pp. 1063-4.

Alphabetical list of registrants of trade-marks—Continued.

- E. C. McWatty Company, Incorporated, New York, N. Y. Corsets. No. 92,445; July 8; Gaz. vol. 192; p. 512.
- E. E. Downham Co., Alexandria, Va. Rye straight whisky. No. 91,560; May 13; Gaz. vol. 190; p. 543.
- E. E. Sutherland Medicine Co., The, Paducah, Ky. Remedy for certain named diseases. No. 92,142; June 17; Gaz. vol. 191; p. 828.
- E. E. Sutherland Medicine Co., The, Paducah, Ky. Remedy for diseases of the liver and stomach. No. 92,597; July 15; Gaz. vol. 192; p. 740.
- E. F. Houghton & Company, Philadelphia, Pa. Lubricating-oils. No. 90,889; Apr. 1; Gaz. vol. 189; p. 247.
- E. F. Houghton & Company, Philadelphia, Pa. Bone-black. No. 91,212; Apr. 22; Gaz. vol. 189; p. 1027.
- E. F. Houghton & Company, Philadelphia, Pa. Oil preparation for softening leather. No. 92,219; June 24; Gaz. vol. 191; p. 1063.
- E. F. Houghton & Company, Philadelphia, Pa. Oil compound. No. 93,273; Sept. 2; Gaz. vol. 194; p. 269.
- E. F. Houghton & Company, Philadelphia, Pa. Preparation for treating textile fabrics. No. 93,724; Oct. 14; Gaz. vol. 195; p. 535.
- E. F. Houghton & Company, Philadelphia, Pa. Carbonizing compounds, disinfectants, &c. No. 93,995; Oct. 28; Gaz. vol. 195; p. 1046.
- E. F. Houghton & Company, Philadelphia, Pa. Lubricating oils and greases and tempering, wool, and metal-cutting oils. No. 94,638; Dec. 23; Gaz. vol. 197; p. 993.
- E. I. Horsman Co., New York, N. Y. Dolls. No. 91,346; Apr. 29; Gaz. vol. 189; p. 1276.
- E. T. Burrowes Company, Portland, Me. Tables, chairs, settees, stands, and cedar chests. No. 92,631; July 22; Gaz. vol. 192; p. 983.
- E. T. Burrowes Company, The, Portland, Me. Hardware and plumbing and steam-fitting supplies. No. 93,422; Sept. 16; Gaz. vol. 194; p. 739.
- E. T. Burrowes Company, Portland, Me. Billiard and pool tables, combinations of, and accessories for same. No. 93,684; Oct. 14; Gaz. vol. 195; p. 534.
- E. W. Bennett & Co., San Francisco, Cal. Cleaning-powder. No. 89,981; Jan. 28; Gaz. vol. 186; p. 981.
- E. W. Burt & Co. Inc., Boston and East Lynn, Mass. Boots and shoes. No. 90,789; Mar. 25; Gaz. vol. 188; p. 1047.
- E. W. Conklin & Son Inc., Binghamton, N. Y. Seed oats and grain, grass and field seeds. No. 93,693; Oct. 14; Gaz. vol. 195; p. 534.
- Eagle Claw Wrench Co., Chicago, Ill. Wrenches. No. 90,001; Jan. 28; Gaz. vol. 186; p. 982.
- Earle, Allen L., Chester Depot, Vt. Remedy for asthma and hay-fever. No. 93,704; Oct. 14; Gaz. vol. 195; p. 534.
- Earnshaw Knitting Company, Chicago, Ill. Woven tape. No. 93,343; Sept. 9; Gaz. vol. 194; p. 545.
- Easiest Way Manufacturing Company, The, Sandusky, Ohio. Laundry-washing machines. No. 92,967; Aug. 12; Gaz. vol. 193; p. 504.
- Eastern Chemical Company, Boston, Mass. Insecticides, soap spray, worm and ant destroyer, &c. No. 91,763; May 27; Gaz. vol. 190; p. 1023.
- Eastman Kodak Company, Rochester, N. Y. Photographic paper. No. 90,002; Jan. 28; Gaz. vol. 186; p. 982.
- Eastman Kodak Company, Rochester, N. Y. Photographic printing-out paper. Nos. 93,977-8; Oct. 28; Gaz. vol. 195; p. 1045.
- Eastman Kodak Company, Rochester, N. Y. Photographic developer. No. 94,240; Nov. 18; Gaz. vol. 196; p. 801.
- Eaton & Co., Allen, Mich. Remedy for dandruff and scalp diseases. No. 92,198; June 24; Gaz. vol. 191; p. 1062.
- Eaton, Crane & Pike Company, Pittsfield, Mass. Paper, envelopes, tablets, cards, and cardboard. No. 89,915; Jan. 21; Gaz. vol. 186; p. 793.
- Eaton, Crane & Pike Company, Pittsfield, Mass. Paper, envelopes, tablets, cards, and cardboard. No. 93,084; Aug. 19; Gaz. vol. 193; p. 749.
- Eberhardt, John H., New York, N. Y. Dentifrices. No. 90,102; Feb. 4; Gaz. vol. 187; p. 227.
- Eckstein, Samuel, New York, N. Y. Handkerchiefs. No. 93,833; Oct. 21; Gaz. vol. 195; p. 812.
- Eclipse Cement and Blacking Company, Philadelphia, Pa. Shoe blacking, dressing, and polish. No. 90,176; Feb. 11; Gaz. vol. 187; p. 507.
- Eclipse Cement and Blacking Company, Philadelphia, Pa. Cleaner for all articles of canvas and duck. No. 90,309; Feb. 18; Gaz. vol. 187; p. 824.
- Eclipse Cement and Blacking Company, Philadelphia, Pa. Shoe blacking, dressing, and polish. No. 90,310; Feb. 18; Gaz. vol. 187; p. 824.
- Economy Baler Company, Ann Arbor, Mich. Baling-presses. No. 92,411; July 8; Gaz. vol. 192; p. 512.
- Ecsolent Compounds Limited, London, England. Ointments and powders. No. 90,689; Mar. 18; Gaz. vol. 188; p. 803.
- Edelbuettel-Reimers, Gustav R., Bellingham, Wash. Aeroplanes, hydroaeroplanes, &c. No. 91,328; Apr. 29; Gaz. vol. 189; p. 1275.
- Edible Products Company, Jersey City, N. J. Cotton-seed oil. No. 92,327; July 1; Gaz. vol. 192; p. 211.
- Edison Storage Battery Company, West Orange, N. J. Insulating compound or paint. No. 91,082; Apr. 15; Gaz. vol. 189; p. 775.
- Editor & Publisher Co., New York, N. Y. Newspapers. No. 94,168; Nov. 11; Gaz. vol. 196; p. 521.
- Editor & Publishing Co., The, New York, N. Y. Newspapers. No. 94,433; Dec. 9; Gaz. vol. 197; p. 527.
- Edmonds, Arthur B., Pawtucket, R. I. Lubricating-oil. No. 93,431; Sept. 16; Gaz. vol. 194; p. 739.
- Edson, Clarence E., assignor to Farador Company, Buffalo, N. Y. Thermo-electric therapeutic devices. No. 90,975; Apr. 8; Gaz. vol. 189; p. 518.
- Eduard Sippach & Sohn, Gesellschaft mit beschränkter Haftung, Eisenberg, Germany. Certain named musical instruments and parts of same. No. 93,211; Aug. 26; Gaz. vol. 193; p. 1013.
- Edw. K. Tryon Company, Philadelphia, Pa. Certain named sportsmen's supplies. No. 90,663; Mar. 11; Gaz. vol. 188; p. 510.
- Edw. Malley Co., The, New Haven, Conn. Candy. No. 92,437; July 8; Gaz. vol. 192; p. 512.
- Edwards & Company, C. S., Houston, Tex. Varnish. No. 92,657; July 22; Gaz. vol. 192; p. 984.
- Edwards Manufacturing Co., Clinton, Iowa. Certain clothing for ladies, misses, juniors, and children. No. 92,880; Aug. 5; Gaz. vol. 193; p. 215.
- Edwards, R. G., London, England. Preparation for restoring the natural color to the hair. No. 93,630; Oct. 7; Gaz. vol. 195; p. 271.
- Effectine Company, The, Springfield, Mass. Medicinal preparation used in treatment of certain named diseases. No. 94,621; Dec. 23; Gaz. vol. 197; p. 992.
- Efroymsen & Wolf, Indianapolis, Ind. Certain named articles of clothing. No. 90,521; Mar. 4; Gaz. vol. 188; p. 237.
- Ehrich & Graetz, Berlin, Germany. Certain electric-lighting appliances and accessories. Nos. 94,169-70; Nov. 11; Gaz. vol. 196; p. 521.
- Eldmann, Albert W., Cando, N. D. Remedy for erysipelas. No. 94,071; Nov. 4; Gaz. vol. 196; p. 269.
- Einstein-Wolff Co., New York, N. Y. Embroidery. No. 93,170; Aug. 26; Gaz. vol. 193; p. 1011.
- Eiseman & Co., Samuel, New York, N. Y. Satin, silk, and silk and cotton piece goods. No. 94,517; Dec. 9; Gaz. vol. 197; p. 530.
- Eiseman Company, Charles, Cleveland, Ohio. Shirts, rompers, and children's frocks. No. 89,832; Jan. 14; Gaz. vol. 186; p. 552.
- Eiseman, Kaiser & Co., Chicago, Ill. Purses and handbags. No. 94,622; Dec. 23; Gaz. vol. 197; p. 992.
- Eisenman Company, Charles, Cleveland, Ohio. Blouses. No. 90,003; Jan. 28; Gaz. vol. 186; p. 982.
- Eisenman Company, Charles, Cleveland, Ohio. Shirts, waists, rompers, &c. No. 90,312; Feb. 18; Gaz. vol. 187; p. 824.
- Eisner, Moritz. (See Friedmann, Friedrich F., assignor.)
- El Draco Cigar Mfg Company, Camden, N. J., and Philadelphia, Pa. Cigars and cigarettes. No. 91,469; May 6; Gaz. vol. 190; p. 260.
- Elchemco Manufacturing Co., Jersey City, N. J. Floorings and stair-treads. No. 92,199; June 24; Gaz. vol. 191; p. 1062.
- Electric Launch Co., The, Bayonne, N. J. Boats. No. 93,085; Aug. 19; Gaz. vol. 193; p. 749.
- Electric Malting Co., Minneapolis, Minn. Brewers' and distillers' malt. No. 93,526; Sept. 23; Gaz. vol. 194; p. 947.
- Electric Smelting and Aluminum Company, The, Lockport, N. Y. Soluble chemical compound. No. 92,659; July 22; Gaz. vol. 192; p. 984.
- Electricitätsgesellschaft "Sanitas" mit beschränkter Haftung, Berlin, Germany. Electric air-douches and hair-drying apparatus. No. 91,179; Apr. 22; Gaz. vol. 189; p. 1026.
- Electro Importing Company, The, New York, N. Y. Monthly magazine. No. 94,721; Dec. 30; Gaz. vol. 197; p. 1287.
- Elgin National Watch Company, Elgin and Chicago, Ill. Watch-movements. No. 93,432; Sept. 16; Gaz. vol. 194; p. 739.
- Ellanam Dress Form Co., Brooklyn and New York, N. Y. Dress-forms. No. 94,072; Nov. 4; Gaz. vol. 196; p. 270.
- Ellbogen, Siegfried, New York, N. Y. Coats, vests, and trousers. No. 91,329; Apr. 29; Gaz. vol. 189; p. 1276.
- Ellingsen, Sverre, Bergen, Norway. Canned sardines. No. 90,311; Feb. 18; Gaz. vol. 187; p. 824.
- Elliott, Howard, Washington, D. C. Attachments for smokers' pipes. No. 92,412; July 8; Gaz. vol. 192; p. 512.
- Elliott Jewelry Co., St. Louis, Mo. Certain named articles of jewelry made of precious metal. No. 90,522; Mar. 4; Gaz. vol. 188; p. 238.
- Ellis & Co. (Birmingham) Limited, Birmingham, England. Silver and electroplated articles. No. 90,691; Mar. 18; Gaz. vol. 188; p. 803.
- Ellis, Edward, Minneapolis, Minn. Pails and buckets. No. 94,241; Nov. 18; Gaz. vol. 196; p. 801.
- Ellis-Lillybeck Drug Co., Memphis, Tenn. Remedy for chills and malaria. No. 92,051; June 17; Gaz. vol. 191; p. 825.

Alphabetical list of registrants of trade-marks—Continued.

- Ellison & Sons, John B., Philadelphia, Pa. Cotton and wool piece goods. No. 93,835; Oct. 21; Gaz. vol. 195; p. 812.
- Ellison-Walker Shoe Co., Atlanta, Ga. Boots and shoes. No. 90,690; Mar. 18; Gaz. vol. 188; p. 803.
- Ellsworth Mill & Elevator Co., Ellsworth, Kans. Wheat-flour. No. 92,541; July 15; Gaz. vol. 192; p. 738.
- Elmwood Mills, Providence, R. I. Lacings and braid. No. 91,954; June 10; Gaz. vol. 191; p. 582.
- Elson & Brewer, Inc., New York, N. Y. Stearate of zinc. No. 91,180; Apr. 22; Gaz. vol. 189; p. 1026.
- Elson & Brewer, Inc., New York, N. Y. Chemically-refined stearate of zinc. No. 94,276; Nov. 25; Gaz. vol. 196; p. 1047.
- Emerson-Brantingham Company, Rockford, Ill. Threshing-machines. Nos. 92,052-3; June 17; Gaz. vol. 191; p. 825.
- Emerson-Brantingham Company, Rockford, Ill. Traction-engines. No. 92,054; June 17; Gaz. vol. 191; p. 825.
- Emerson-Brantingham Company, Rockford, Ill. Threshing-machines. No. 92,055; June 17; Gaz. vol. 191; p. 825.
- Emery Thierwechter Co., Oak Harbor, Ohio. Wheat-flour. No. 90,422; Feb. 25; Gaz. vol. 187; p. 1111.
- Emil Grossman Company, New York, N. Y. Electric spark-plugs. No. 89,920; Jan. 21; Gaz. vol. 186; p. 793.
- Emil Grossman Company, New York, N. Y. Electric spark-plugs. Nos. 91,476-7; May 6; Gaz. vol. 190; p. 260.
- Emken Chemical Co., New York, N. Y. Beer-coloring. No. 94,518; Dec. 9; Gaz. vol. 197; p. 530.
- Emmers & Co., E., Royersford, Pa. Women's undervests. No. 92,660; July 22; Gaz. vol. 192; p. 984.
- Empire Automobile Co., Indianapolis, Ind. Automobiles. No. 94,357; Dec. 2; Gaz. vol. 197; p. 235.
- Empire Bottle & Supply Company, New York, N. Y. Glass milk and cream bottles. No. 94,722; Dec. 30; Gaz. vol. 197; p. 1287.
- Empire Dynamite Co., Chicago, Ill. Blasting-fuses. No. 91,562; May 13; Gaz. vol. 190; p. 543.
- Empire Soap Company, New York, N. Y. Toilet soap. No. 93,836; Oct. 21; Gaz. vol. 195; p. 812.
- Empire State Flour Mills, Syracuse and New York, N. Y. Wheat-flour. No. 90,876; Apr. 1; Gaz. vol. 189; p. 247.
- Empire State Ring Company, Buffalo, N. Y. Rings. No. 92,760; July 29; Gaz. vol. 192; p. 1255.
- Emporia Citrus Growers Association, Emporia, Fla. Certain named citrus fruits. Nos. 91,330-1; Apr. 29; Gaz. vol. 189; p. 1276.
- Enamel Vitriified Brick Company, The, Toledo, Ohio. Brick. No. 92,761; July 29; Gaz. vol. 192; p. 1255.
- Endura Manufacturing Co., Philadelphia, Pa. Paper packing. No. 92,881; Aug. 5; Gaz. vol. 193; p. 215.
- English & Mersick Co., The, New Haven, Conn. Automobile-radiators. No. 94,623; Dec. 23; Gaz. vol. 197; p. 992.
- Engravers & Printers Machinery Company, The, New York, N. Y. Engraving-machines. No. 90,104; Feb. 4; Gaz. vol. 187; p. 227.
- Enke, Claus A., Stavanger, Norway. Canned sardines. No. 90,877; Apr. 1; Gaz. vol. 189; p. 247.
- Enos Adams Co., The, Bennington, Vt. Hand soap paste. No. 94,410; Dec. 9; Gaz. vol. 197; p. 527.
- Eppstein, Milton L., Fort Worth, Tex. Beer. No. 93,268; Sept. 2; Gaz. vol. 194; p. 269.
- Epstein Pants Company, St. Louis, Mo. Trousers. No. 89,916; Jan. 21; Gaz. vol. 186; p. 793.
- Ernecke & Salmstein Company, Chicago, Ill. Adhesive pastes. No. 94,358; Dec. 2; Gaz. vol. 197; p. 235.
- Ernst Bischoff Co., Inc., New York, N. Y. Diuretic. No. 92,172; June 24; Gaz. vol. 191; p. 1061.
- Ernst Schliemann's Export-Ceresin-Fabrik Gesellschaft mit beschränkter Haftung, Hamburg, Germany. Ceresin and paraffin. No. 90,474; Feb. 25; Gaz. vol. 187; p. 1113.
- Ernst Schliemann's Export Ceresin Fabrik, Gesellschaft mit beschränkter Haftung, Hamburg, Germany. Ceresin and paraffin. No. 91,256; Apr. 22; Gaz. vol. 189; p. 1028.
- Ernst Mfg. Co., Iowa City, Iowa. Certain named toilet preparations. No. 91,181; Apr. 22; Gaz. vol. 189; p. 1026.
- Erskine, Ralph C., Tryon, N. C. Chairs. No. 91,563; May 13; Gaz. vol. 190; p. 543.
- Escue, James G., Parsons, N. Mex. Soap. No. 90,004; Jan. 28; Gaz. vol. 186; p. 982.
- Eska Manufacturing Co., Baltimore, Md. Watches. No. 93,433; Sept. 16; Gaz. vol. 194; p. 739.
- Esmond Mills, Esmond, R. I. Blankets. No. 90,823; Mar. 25; Gaz. vol. 188; p. 1048.
- Espey, John E., Chicago, Ill. Toilet creams and lotions. No. 93,596; Sept. 30; Gaz. vol. 194; p. 1137.
- Essenkey Company, The, Chicago, Ill. Material for filling automobile-tires in place of air. No. 90,178; Feb. 11; Gaz. vol. 187; p. 507.
- Esterbrook Steel Pen Mfg. Co., The, Camden, N. J. Steel pens. Nos. 92,056-7; June 17; Gaz. vol. 191; pp. 825-6.
- Esterbrook Steel Pen Mfg. Co., The, Camden, N. J. Steel pens. Nos. 92,200-3; June 24; Gaz. vol. 191; p. 1062.
- Esterbrook Steel Pen Mfg. Co., The, Camden, N. J. Writing-pens. No. 92,413; July 8; Gaz. vol. 192; p. 512.
- Euböolith-Werke A. G. in Olten, Olten, Switzerland. Adhesive materials to fasten machines to walls, doors, &c. No. 91,332; Apr. 29; Gaz. vol. 189; p. 1276.
- Eugen Zimmermann & Co. G. m. b. H., Berlin, Germany. Matches, fire igniters and kindlers, &c. No. 93,405; Sept. 9; Gaz. vol. 194; p. 547.
- Eulert, Ernst, New York, N. Y. Mustard. No. 91,541; May 13; Gaz. vol. 190; p. 543.
- Eureka Safety Razor Co., The, Kansas City, Mo. Safety-razors. No. 90,105; Feb. 4; Gaz. vol. 187; p. 227.
- Eustis, Pennock & Co., Boston, Mass. Starch. Nos. 94,171-2; Nov. 11; Gaz. vol. 196; pp. 521-2.
- Eustis, Pennock & Co., Boston, Mass. Starch for textile-mill usage. No. 94,242; Nov. 18; Gaz. vol. 196; p. 801.
- Evans, George A., New York, N. Y. Inhaling device. No. 90,523; Mar. 4; Gaz. vol. 188; p. 238.
- Evans-Smith Drug Co., Kansas City, Mo. Whisky. No. 94,434; Dec. 9; Gaz. vol. 197; p. 527.
- Evans Stamping & Plating Co., Taunton, Mass. Marine reverse gears and clutches. No. 91,956; June 10; Gaz. vol. 191; p. 582.
- Excelsior Motor Mfg. & Supply Co., Chicago, Ill. Motor-cycles and bicycles. No. 91,333; Apr. 29; Gaz. vol. 189; p. 1276.
- Excelsior Shoe Company, Portsmouth, Ohio. Leather boots and shoes. No. 94,723; Dec. 30; Gaz. vol. 197; p. 1287.
- Excelto Medicine Co., Atlanta, Ga. Quinin pomade, liniment, and skin-lotion. No. 92,058; June 17; Gaz. vol. 191; p. 826.
- Exhibitors Film Service Company, San Francisco, Cal. Films. No. 92,328; July 1; Gaz. vol. 192; p. 211.
- Expanded Metal Company Limited, The, London, England. Expanded metal. No. 92,204; June 24; Gaz. vol. 191; p. 1062.
- Express Rubber Co. Limited, The, London, England. Water or rain proof wearing-apparel. No. 90,799; Mar. 25; Gaz. vol. 188; p. 1047.
- Eyslee, Alfred N., San Francisco, Cal. Pile-ointment. No. 93,979; Oct. 28; Gaz. vol. 195; p. 1045.
- F. Mayer Boot & Shoe Co., Milwaukee, Wis. Leather boots and shoes. No. 93,882; Oct. 21; Gaz. vol. 195; p. 813.
- F. Mayer Boot & Shoe Co., Milwaukee, Wis. Leather boots and shoes. No. 94,738; Dec. 30; Gaz. vol. 197; p. 1288.
- F. A. Hardy & Company, Chicago, Ill. Eye-protectors. No. 90,433; Feb. 25; Gaz. vol. 187; p. 1112.
- F. A. Koch & Co., New York, N. Y. Razors. No. 93,869; Oct. 21; Gaz. vol. 195; p. 813.
- F. A. Martoccio Macaroni Company, Minneapolis, Minn. Macaroni, spaghetti, vermicelli, and egg-noodles. No. 94,294; Nov. 25; Gaz. vol. 196; p. 1048.
- F. A. Patrick & Company, Duluth, Minn. Certain named thread and yarn and sewing-silks. No. 89,768; Jan. 7; Gaz. vol. 186; p. 286.
- F. A. Patrick & Company, Duluth, Minn. Certain named articles of clothing for women and children. No. 89,946; Jan. 21; Gaz. vol. 186; p. 794.
- F. A. Patrick & Company, Duluth, Minn. Certain piece goods, knitted, netted, and textile fabrics. No. 90,733; Mar. 18; Gaz. vol. 188; p. 805.
- F. A. Patrick & Company, Duluth, Minn. Certain named fancy goods, furnishings, and notions. No. 90,911; Apr. 1; Gaz. vol. 189; p. 248.
- F. C. Huyck and Sons, Rensselaer and Albany, N. Y. Certain cutlery, machinery, tools, and parts thereof. No. 90,892; Apr. 1; Gaz. vol. 189; p. 248.
- F. C. Huyck and Sons, Rensselaer and Albany, N. Y. Bed-blankets and steamer-rugs. No. 92,428; July 8; Gaz. vol. 192; p. 512.
- F. C. Sturtevant Company, Hartford, Conn. Certain named remedies for fowls, animals, and man. No. 93,615; Sept. 30; Gaz. vol. 194; p. 1138.
- F. H. Bennett Biscuit Company, New York, N. Y. Certain named foods. No. 93,417; Sept. 16; Gaz. vol. 194; p. 739.
- F. H. Roberts Company, Boston, Mass. Candy. No. 92,368; July 1; Gaz. vol. 192; p. 212.
- F. H. Strong Company, New York, N. Y. Laxative. No. 94,504; Dec. 9; Gaz. vol. 197; p. 530.
- F. S. Walton Company, Camden, N. J., and Philadelphia, Pa. Soap. No. 90,067; Jan. 28; Gaz. vol. 186; p. 983.
- F. T. Crowe & Company, Tacoma, Seattle, and Spokane, Wash., and Portland, Oreg. Sanded roofing material. No. 92,406; July 8; Gaz. vol. 192; p. 511.
- F. W. Maurer & Sons Co., Philadelphia, Pa. Certain named fancy goods, furnishings, and notions. No. 92,093; June 17; Gaz. vol. 191; p. 827.
- F. W. Spacke Machine Company, The, Indianapolis, Ind. Internal-combustion engines. No. 93,474; Sept. 16; Gaz. vol. 194; p. 741.
- F. W. Thurston Company, Chicago, Ill. Certain named paints and painters' materials. No. 91,395; Apr. 29; Gaz. vol. 189; p. 1277.
- Fabien & Co., R., New York, N. Y. Crackers. No. 92,059; June 17; Gaz. vol. 191; p. 826.

- Fabrik Chemischer und Pharmazeutischer Präparate Dr. Franz Stohr Gesellschaft mit beschränkter Haftung, Vienna, Austria-Hungary. Perfumed bath-tablets. No. 89,742; Jan. 7; Gaz. vol. 186; p. 285.
- Fabrik Chemischer und Pharmazeutischer Präparate Dr. Franz Stohr, Gesellschaft mit beschränkter Haftung, Vienna, Austria-Hungary. Candy. No. 90,006; Jan. 28; Gaz. vol. 186; p. 982.
- Fabrik chemischer und pharmazeutischer Präparate, Dr. Franz Stohr, Gesellschaft mit beschränkter Haftung, Vienna, Austria-Hungary. Shampooing-tablets. No. 90,313; Feb. 18; Gaz. vol. 187; p. 824.
- Fabrik chemischer und pharmazeutischer Präparate, Dr. Franz Stohr, Gesellschaft mit beschränkter Haftung, Vienna, Austria-Hungary. Mouth-wash tablets. No. 90,314; Feb. 18; Gaz. vol. 187; p. 824.
- Fabrik chemischer und pharmazeutischer Präparate, Dr. Franz Stohr, Gesellschaft mit beschränkter Haftung, Vienna, Austria-Hungary. Perfumed bath-tablets. No. 90,315; Feb. 18; Gaz. vol. 187; p. 824.
- Fair, William B., Key West, Fla. Wheat-flour. No. 92,329; July 1; Gaz. vol. 192; p. 211.
- Fall River Bleachery, Fall River, Mass. Cotton piece goods. No. 90,179; Feb. 11; Gaz. vol. 187; p. 507.
- Falls Machine Company, Sheboygan Falls, Wis. Automobiles, trucks, and autotrucks. No. 94,073; Nov. 4; Gaz. vol. 196; p. 270.
- Falter Tagermünder Schokoladenfabrik Gesellschaft mit beschränkter Haftung, Tagermünde, Germany. Cocoa and chocolate. No. 93,434; Sept. 16; Gaz. vol. 194; p. 739.
- Farador Company. (See Edson, Clarence E., assignor.)
- Farbenfabriken of Elberfeld Company, New York, N. Y. Hematinic tonic. No. 91,419; Apr. 29; Gaz. vol. 189; p. 1278.
- Farbenfabriken of Elberfeld Company, New York, N. Y. Purgative. No. 92,060; June 17; Gaz. vol. 191; p. 826.
- Farbwerke vorm. Meister Lucius & Brüning, Höchst-on-the-Main, Germany. Internal antiseptic. No. 89,917; Jan. 21; Gaz. vol. 186; p. 793.
- Farbwerke vorm. Meister Lucius & Brüning, Höchst-on-the-Main, Germany. Remedy for certain named diseases. No. 90,976; Apr. 8; Gaz. vol. 189; p. 518.
- Farbwerke vorm. Meister Lucius & Brüning, Höchst-on-the-Main, Germany. Dyestuffs. No. 91,183; Apr. 22; Gaz. vol. 189; p. 1026.
- Farbwerke vorm. Meister Lucius & Brüning, Höchst-on-the-Main, Germany. Chemical or biological reagent. No. 91,764; May 27; Gaz. vol. 190; p. 1024.
- Fargo Mercantile Company, Fargo, N. D. Canned fruits, vegetables, pork and beans, &c. No. 91,470; May 6; Gaz. vol. 190; p. 260.
- Farm Life Pub. Co., Chicago, Ill. Monthly magazine. No. 90,180; Feb. 11; Gaz. vol. 187; p. 507.
- Farm Press Publishing Co., Chicago, Ill. Magazine or publication. No. 92,882; Aug. 5; Gaz. vol. 193; p. 215.
- Farmer, Daniel N. (See Sloan and Farmer.)
- Farnham, Neal, New York, N. Y. Certain devices for waterproofing and cleaning brick and stone buildings. No. 90,566; Mar. 4; Gaz. vol. 188; p. 239.
- Farnsworth, Daniel W., Montclair, N. J., and New York, N. Y. Flannel and woolen piece goods. No. 94,725; Dec. 30; Gaz. vol. 197; p. 1287.
- Farr Alpaca Co., Holyoke, Mass. Cotton and worsted piece goods. No. 92,205; June 24; Gaz. vol. 191; p. 1062.
- Faunce, Benjamin R., Riverside township, Burlington county, N. J. Plain soft drink. No. 94,359; Dec. 2; Gaz. vol. 197; p. 235.
- Federal Cement Tile Company, Chicago, Ill. Cement tiles. No. 94,277; Nov. 25; Gaz. vol. 196; p. 1047.
- Federal Motor Truck Co., Detroit, Mich. Automobile trucks. No. 93,837; Oct. 21; Gaz. vol. 195; p. 812.
- Federal Rubber Manufacturing Co., Milwaukee and Cudahy, Wis. Rubber vehicle-tires. No. 90,524; Mar. 4; Gaz. vol. 188; p. 238.
- Federal Sign System (Electric), Chicago, Ill. Shaving-mirrors. No. 94,360; Dec. 2; Gaz. vol. 197; No. 235.
- Fegely, Calvin, Pottstown, Pa. Spring-water. No. 90,181; Feb. 11; Gaz. vol. 187; p. 507.
- Fellows and Company, New York, N. Y. Underwear and pajamas. No. 91,334; Apr. 29; Gaz. vol. 189; p. 1276.
- Felten & Guillaume Carlswerk Actien-Gesellschaft, Mülheim-on-the-Rhine, Germany. Steel wire and wire strings for pianofortes, &c. No. 93,705; Oct. 14; Gaz. vol. 195; p. 534.
- Felten & Guillaume Carlswerk Actien-Gesellschaft, Mülheim-on-the-Rhine, Germany. Wire. No. 93,706; Oct. 14; Gaz. vol. 195; p. 534.
- Felten & Guillaume Carlswerk Actien-Gesellschaft, Mülheim-on-the-Rhine, Germany. Certain named hardware, plumbing, and steam-fitting supplies. No. 94,361; Dec. 2; Gaz. vol. 197; p. 235.
- Felten & Guillaume Carlswerk Actien-Gesellschaft, Mülheim-on-the-Rhine, Germany. Certain named machinery and tools and parts thereof. No. 94,362; Dec. 2; Gaz. vol. 197; p. 235.
- Felten & Guillaume Carlswerk Actien-Gesellschaft, Mülheim-on-the-Rhine, Germany. Certain named vehicles and parts thereof. No. 94,363; Dec. 2; Gaz. vol. 197; p. 235.
- Felten & Guillaume Carlswerk Actien-Gesellschaft, Mülheim-on-the-Rhine, Germany. Certain metals in various shapes and certain named goods made therefrom. No. 94,435; Dec. 9; Gaz. vol. 197; p. 527.
- Felten & Guillaume Carlswerk Actien-Gesellschaft, Mülheim-on-the-Rhine, Germany. Certain articles composed of vegetable and mineral substances and leather packing. No. 94,436; Dec. 9; Gaz. vol. 197; p. 527.
- Felten & Guillaume Carlswerk Actien-Gesellschaft, Mülheim-on-the-Rhine, Germany. Certain vegetable substances and products. No. 94,437; Dec. 9; Gaz. vol. 197; p. 528.
- Felten & Guillaume Carlswerk Actien-Gesellschaft, Mülheim-on-the-Rhine, Germany. Air-tubes for wheel-tires and rubber valves. No. 94,724; Dec. 30; Gaz. vol. 197; p. 1287.
- Fenerbach, Frederick J., et al, executors. (See Doelger, Peter.)
- Fenoform Corporation, Hastings-on-Hudson, N. Y. Certain raw or partly-prepared materials. Nos. 92,883-4; Aug. 5; Gaz. vol. 193; p. 215.
- Ferguson, Charles W., Houston, Tex. Crates. No. 94,243; Nov. 18; Gaz. vol. 196; p. 801.
- Ferguson McKinney Dry Goods Co., The, St. Louis, Mo. Bleached muslin. No. 90,425; Feb. 25; Gaz. vol. 187; p. 1111.
- Ferguson McKinney Dry Goods Co., The, St. Louis, Mo. Ladies' muslin underwear, men's shirts, &c. No. 90,800; Mar. 25; Gaz. vol. 188; p. 1047.
- Ferment Company, The, New York, N. Y. Bacteriological products. No. 94,278; Nov. 25; Gaz. vol. 196; p. 1047.
- Fernandez, Angel, Habana, Cuba. Aromatic alcoholic liquor. No. 91,184; Apr. 22; Gaz. vol. 189; p. 1026.
- Fetterman, Mary G., Philadelphia, Pa. Bedroom-slippers. No. 93,838; Oct. 21; Gaz. vol. 195; p. 812.
- Fidalgó Island Packing Co., Anacortes, Wash. Canned salmon. No. 93,435; Sept. 16; Gaz. vol. 194; p. 740.
- Figge & Hutwelker Co., Glen Cove and New York, N. Y. Hams, bacon, lard, and sausages. Nos. 92,968-9; Aug. 12; Gaz. vol. 193; p. 504.
- Filmo Chemical Company, New York, N. Y. Adhesive cements. No. 91,084; Apr. 15; Gaz. vol. 189; p. 775.
- Filstrup, Lars L., Chicago, Ill. Key for stringed instruments. No. 92,542; July 15; Gaz. vol. 192; p. 738.
- Fischer & Co., B., New York, N. Y. Rice. No. 89,834; Jan. 14; Gaz. vol. 186; p. 552.
- Fischer & Company, B., New York, N. Y. Rice. No. 91,335; Apr. 29; Gaz. vol. 189; p. 1276.
- Fischer & Kluge, Pappenheim, Germany. Lithographic stones. No. 93,597; Sept. 30; Gaz. vol. 194; p. 1137.
- Fisher & Gorman, Inc., Brooklyn, N. Y. Embroidery-floss. No. 91,564; May 13; Gaz. vol. 190; p. 543.
- Fisher Flouring Mills Company, Seattle, Wash. Wheat-flour. Nos. 90,182-6; Feb. 11; Gaz. vol. 187; pp. 507-8.
- Fisher Flouring Mills Company, Seattle, Wash. Wheat-flour. Nos. 90,316-17; Feb. 18; Gaz. vol. 187; p. 824.
- Fisher Flouring Mills Company, Seattle, Wash. Wheat-flour. No. 90,977; Apr. 8; Gaz. vol. 189; p. 518.
- Fisher Flouring Mills Company, Seattle, Wash. Wheat-flour. No. 92,330; July 1; Gaz. vol. 192; p. 211.
- Fisher Flouring Mills Company, Seattle, Wash. Wheat-flour. Nos. 92,762-4; July 29; Gaz. vol. 192; p. 1255.
- Fisher Flouring Mills Company, Seattle, Wash. Wheat-flour. No. 94,624; Dec. 23; Gaz. vol. 197; p. 992.
- Fisher Leather Belting Co., Inc., The, Philadelphia, Pa. Waterproof leather belting. No. 91,565; May 13; Gaz. vol. 190; p. 543.
- Fisher, Lewis R., Baltimore, Md. Toilet-paper. No. 91,185; Apr. 22; Gaz. vol. 189; p. 1026.
- Fisher & Seller, Peru, Ind. Bread. No. 90,318; Feb. 18; Gaz. vol. 187; p. 824.
- Fisk Rubber Company, Chicopee Falls, Mass. Rubber tires. No. 92,885; Aug. 5; Gaz. vol. 193; p. 215.
- Fistupole Compounding Co., The, Latham, Ill. Remedy for fistula, poll-evil, old sores, and swellings. No. 94,438; Dec. 9; Gaz. vol. 197; p. 528.
- Fitch & Son, Edwin A., New York, N. Y. Embroideries, stamped linens, and art novelties. No. 92,543; July 15; Gaz. vol. 192; p. 738.
- Fitzpatrick, Wayne D., Glenhayes, W. Va. Medicine for constipation, dyspepsia, &c. No. 91,186; Apr. 22; Gaz. vol. 189; p. 1026.
- Fix Manufacturing Co., Buffalo, N. Y. Egg substitute. No. 93,436; Sept. 16; Gaz. vol. 194; p. 740.
- Flamm, Samuel A., Philadelphia, Pa. Motor-cycles and automobiles. No. 90,423; Feb. 25; Gaz. vol. 187; p. 1111.
- Flatau & Steiner, New York, N. Y. Veilings, dress-nettings, veils, and chiffons. No. 93,088; Aug. 19; Gaz. vol. 193; p. 749.
- Fleishacker & Co., A., San Francisco, Cal. Paper boxes. No. 93,707; Oct. 14; Gaz. vol. 195; p. 534.
- Fleming & Christian Co., Richmond, Va. Certain named foods. No. 93,839; Oct. 21; Gaz. vol. 195; p. 812.
- Flemish Art Company, New York, N. Y. Pyrographic devices and apparatuses. Nos. 92,970-1; Aug. 12; Gaz. vol. 193; p. 504.

Alphabetical list of registrants of trade-marks—Continued.

- Fletcher-Stanley Company, New York, N. Y. Certain electrical apparatus, machines, and supplies. No. 92,414; July 8; Gaz. vol. 192; p. 512.
- Fletcher, Walter S., Gloversville, N. Y. Gloves. No. 92,662; July 22; Gaz. vol. 192; p. 984.
- "Flexitallic" Gasket Company, Camden, N. J., and Philadelphia, Pa. Gaskets and packings. No. 91,864; June 3; Gaz. vol. 191; p. 288.
- Flexitype Co., The, Cleveland, Ohio. Stereotype-matrix. No. 93,089; Aug. 19; Gaz. vol. 193; p. 750.
- Flexlume Sign Company, Inc., Buffalo, N. Y. Electrically-illuminated signs. No. 94,550; Dec. 16; Gaz. vol. 197; p. 777.
- Flexotile Floor Company, Rockford, Ill. Flooring, wainscoting, stairs, and newels. No. 93,344; Sept. 9; Gaz. vol. 194; p. 545.
- Flinch Card Co., Kalamazoo, Mich. Games. No. 90,424; Feb. 25; Gaz. vol. 187; p. 1111.
- Flint and Walling Manufacturing Co., Kendallville, Ind. Certain named machinery and parts thereof. No. 89,835; Jan. 14; Gaz. vol. 186; p. 552.
- Flockton, Tompkin & Co. Ld., Sheffield, England. Certain named metals and metal castings and forgings. No. 92,544; July 15; Gaz. vol. 192; p. 738.
- Florida Fruit Oil & Extract Co., St. Louis, Mo. Certain non-alcoholic drinks and the syrup for making the same. No. 91,187; Apr. 22; Gaz. vol. 189; p. 1026.
- Florida Growers Publishing Company, Tampa, Fla. Weekly periodical. No. 91,471; May 6; Gaz. vol. 190; p. 260.
- Florists' Publishing Company, Chicago, Ill. Weekly publication for florists, &c. No. 94,439; Dec. 9; Gaz. vol. 197; p. 528.
- Flower City Brewing Co., Rochester, N. Y. Beers, ales, and porters. No. 90,009; Jan. 28; Gaz. vol. 186; p. 982.
- Flower & Company, S. W., Toledo, Ohio. Clover, alsike, alfalfa, and timothy seeds. No. 91,472; May 6; Gaz. vol. 190; p. 260.
- Fluhrer Bros. Tobacco Company, Boonville, Ind. Twist and smoking tobacco. No. 93,708; Oct. 14; Gaz. vol. 195; p. 534.
- Flynn, Thomas, Pawtucket, R. I. Remedy for rheumatism. No. 93,237; Aug. 26; Gaz. vol. 193; p. 1013.
- Fogarty & Co., Philip, New York, N. Y. Certain named brushes. No. 90,106; Feb. 4; Gaz. vol. 187; p. 227.
- Follmer, Clogg & Co., New York, N. Y. Parasols. No. 90,978; Apr. 8; Gaz. vol. 189; p. 518.
- Fontana & Co., New York, N. Y. Cotton-seed oil. No. 90,979; Apr. 8; Gaz. vol. 189; p. 518.
- Foot, Schulze & Co., St. Paul, Minn. Leather boots and shoes. No. 90,187; Feb. 11; Gaz. vol. 187; p. 508.
- Forbush Shoe Company, The, North Grafton, Mass. Leather shoes. No. 91,957; June 10; Gaz. vol. 191; p. 582.
- Ford Manufacturing Company, Chicago, Ill., and St. Paul Minn. Floor-covering. No. 90,107; Feb. 4; Gaz. vol. 187; p. 227.
- Formacone Company, The, Newark, N. J. Disinfectants, deodorizers, and fumigators. Nos. 92,548-9; July 15; Gaz. vol. 192; p. 738.
- Formacone Company, The, Newark, N. J. Disinfectants, deodorizers, and fumigators. Nos. 92,663-4; July 22; Gaz. vol. 192; p. 984.
- Forquer, Bernard B., Joliet, Ill. Remedies for constipation. No. 91,188; Apr. 22; Gaz. vol. 189; p. 1026.
- Forrester Remedy Co., Cleveland, Ohio. Ointment. No. 92,972; Aug. 12; Gaz. vol. 193; p. 504.
- Forsheim & Konigsberg, New York, N. Y. Puzzles. No. 91,765; May 27; Gaz. vol. 190; p. 1024.
- Fort Dearborn Co., Chicago, Ill. Face powder, lotions, and creams. No. 92,649; July 22; Gaz. vol. 192; p. 984.
- Fort Myers Citrus Growers Association, Fort Myers, Fla. Certain named citrus fruits. No. 92,550; July 15; Gaz. vol. 192; p. 738.
- Fort Scott Sorghum Syrup Company, The, Fort Scott, Kans. Sorghum and sorghum compounds. No. 89,836; Jan. 14; Gaz. vol. 186; p. 552.
- Fort Scott Sorghum Syrup Company, The, Fort Scott, Kans. Sorghum and sorghum compounds. Nos. 94,625-6; Dec. 23; Gaz. vol. 197; p. 992.
- Fort Smith Coffee Co., Fort Smith, Ark. Blended coffee. No. 90,007; Jan. 28; Gaz. vol. 186; p. 982.
- Fort Wayne Oil and Supply Company, Fort Wayne, Ind. Canvas stitched belting. No. 91,189; Apr. 22; Gaz. vol. 189; p. 1026.
- Foss, William D., Centralia, Wash. Liquid chemical wood-preserved. No. 93,709; Oct. 14; Gaz. vol. 195; p. 534.
- Foster Brothers, Boston, Mass. Certain named prints and publications. No. 90,108; Feb. 4; Gaz. vol. 187; p. 227.
- Foster Brothers, Boston, Mass. Fine-art publications. No. 90,694; Mar. 18; Gaz. vol. 188; p. 803.
- Foster Brothers, Boston, Mass. Picture and mirror frames. No. 91,190; Apr. 22; Gaz. vol. 189; p. 1026.
- Foster, Edgar P. (See Hammond, Robert O., assignor.)
- Foster Packing Company, Chicago, Ill. Condensed skimmed milk. No. 90,008; Jan. 28; Gaz. vol. 186; p. 982.
- Foster's Adhesive Composition Company, Limited, Auckland, New Zealand. Llagging. No. 91,566; May 13; Gaz. vol. 190; p. 543.
- Fostoria Glass Specialty Company, Fostoria, Ohio, assignor to General Electric Company. Glass globes, shades, and reflectors. No. 90,633; Mar. 11; Gaz. vol. 188; p. 509.
- Foulis, David, London, England. Medicine for gout, rheumatism, lumbago, and sciatica. No. 94,551; Dec. 16; Gaz. vol. 197; p. 777.
- Fouquier, Paul J., Paris, France. Massage-cream. No. 91,958; June 10; Gaz. vol. 191; p. 582.
- Four Seas Company, The, Boston, Mass. Monthly magazines. No. 91,336; Apr. 29; Gaz. vol. 189; p. 1276.
- Fowler, F. E., New Bedford, Mass. Spices and flavoring extracts. No. 90,426; Feb. 25; Gaz. vol. 187; p. 1111.
- Fowler, Frederick H., Chicago, Ill. Mineral waters and beverage compositions made therefrom. No. 93,269; Sept. 2; Gaz. vol. 194; p. 269.
- Fowler, Hallie E., Texarkana, Tex. Remedy for piles, &c. No. 90,878; Apr. 1; Gaz. vol. 189; p. 247.
- Fox, George E., Chicago, Ill. Chair-pads. No. 92,206; June 24; Gaz. vol. 191; p. 1062.
- Fox, Harry B., New York, N. Y. Medicinal lotion. No. 93,840; Oct. 21; Gaz. vol. 195; p. 812.
- Francis H. Leggett & Company, New York, N. Y. Olives. No. 92,434; July 8; Gaz. vol. 192; p. 512.
- Franco-American Food Company, The, Jersey City, N. J. Canned concentrated soups. No. 90,634; Mar. 11; Gaz. vol. 188; p. 509.
- Frank, John, Jacksonville, Ill. Wheat-flour. No. 94,173; Nov. 11; Gaz. vol. 196; p. 522.
- Frank Pure Food Co., The, Milwaukee, Wis. Gelatin preparation. No. 94,365; Dec. 2; Gaz. vol. 197; p. 235.
- Franklin Knitting Mills, New York, N. Y. Mufflers. No. 89,918; Jan. 21; Gaz. vol. 186; p. 793.
- Franklin Knitting Mills, New York, N. Y. Neckties. No. 92,061; June 17; Gaz. vol. 191; p. 826.
- Franklin MacVeagh & Company, Chicago, Ill. Certain named foods. Nos. 91,000-1; Apr. 8; Gaz. vol. 189; p. 518.
- Franklin MacVeagh & Company, Chicago, Ill. Certain named foods. No. 92,348; July 1; Gaz. vol. 192; p. 212.
- Franklin MacVeagh & Company, Chicago, Ill. Coffee. No. 93,101; Aug. 19; Gaz. vol. 193; p. 750.
- Franklin MacVeagh & Company, Chicago, Ill. Certain named foods. No. 94,648; Dec. 23; Gaz. vol. 197; p. 993.
- Fraser, Richard A., Fremont, Ind. Men's outer suits. No. 92,207; June 24; Gaz. vol. 191; p. 1062.
- Fred W. Millington Limited, Manchester, England. Torchon laces. No. 92,816; July 29; Gaz. vol. 192; p. 1256.
- Frederick H. Fox Company, The, Syracuse, N. Y. Ammonia, tooth-powder, writing fluid, and bluing. No. 94,279; Nov. 25; Gaz. vol. 196; p. 1047.
- Frederick Stearns & Co., Detroit, Mich. Blood-pressure-raising and hemostatic compounds. No. 90,142; Feb. 4; Gaz. vol. 187; p. 228.
- Frederick W. Lipps Company of Baltimore City, The, Baltimore, Md. Candy. No. 94,386; Dec. 2; Gaz. vol. 197; p. 236.
- French & Bean Company, St. Johnsbury, Vt. Canned vegetables. No. 93,238; Aug. 26; Gaz. vol. 193; p. 1013.
- French Medical Company, The, Worcester, Mass. Dyspepsia-tablets. No. 90,109; Feb. 4; Gaz. vol. 187; p. 227.
- French River Textile Company, Mechanicsville, Conn. Woolen piece goods. No. 92,415; July 8; Gaz. vol. 192; p. 512.
- Fresno Brewing Co., Fresno, Cal. Malt beverage. No. 90,319; Feb. 18; Gaz. vol. 187; p. 824.
- Fresno Fruit Growers Co., East Fresno, Cal. Fresh deciduous fruits. No. 94,280; Nov. 25; Gaz. vol. 196; p. 1047.
- Freund & Co., Leonhart H., New York, N. Y. Candles. No. 94,627; Dec. 23; Gaz. vol. 197; p. 992.
- Fried. Krupp Aktiengesellschaft, Essen, Germany. Certain explosives, firearms, equipments, and projectiles. No. 92,766; July 29; Gaz. vol. 192; p. 1255.
- Fried. Krupp Aktiengesellschaft, Essen, Germany. Certain metals and metal castings and forgings. No. 92,767; July 29; Gaz. vol. 192; p. 1255.
- Fried. Krupp Aktiengesellschaft, Essen, Germany. Shafts and machine-plates. No. 92,973; Aug. 12; Gaz. vol. 193; p. 504.
- Fried. Krupp Aktiengesellschaft, Essen, Germany. Vehicle tires, wheels, axles, shafts, and springs. No. 93,346; Sept. 9; Gaz. vol. 194; p. 545.
- Fried. Krupp, Aktiengesellschaft, Grusonwerk, Magdeburg-Buckau, Germany. Certain named metal forgings and castings. No. 89,837; Jan. 14; Gaz. vol. 186; p. 552.
- Fried. Mendelson & Co., New York, N. Y. Silk, silk and cotton, and cotton-mixed fabrics. No. 94,521; Dec. 9; Gaz. vol. 197; p. 530.
- Friedmann, Friedrich F., Berlin, Germany, assignor to M. Eisner, New York, N. Y. Certain chemicals, medicines, and pharmaceutical preparations. No. 92,768; July 29; Gaz. vol. 192; p. 1255.
- Frierson, Walter B., Nashville, Tenn. Heating-stoves. No. 90,010; Jan. 28; Gaz. vol. 186; p. 982.

Alphabetical list of registrants of trade-marks—Continued.

- Frings Bros. Co., Philadelphia, Pa. Cigars. No. 93,270; Sept. 2; Gaz. vol. 194; p. 269.
- Fritz-Taber Mfg. Co., The, New Bedford, Mass. Paper-clips. No. 93,271; Sept. 2; Gaz. vol. 194; p. 269.
- Fritze, Lundt & Co., Succs., Mayaguez and Ponce, Porto Rico. Coffee. No. 92,208; June 24; Gaz. vol. 191; p. 1062.
- Fuchs, Emiel R., New York, N. Y. Door-locks. No. 94,281; Nov. 25; Gaz. vol. 196; p. 1047.
- Fuchs, Jacob J., Pittsburgh, Pa. Certain compound as a remedy for certain named ailments. No. 91,194; Apr. 22; Gaz. vol. 189; p. 1026.
- Fuel Economizer Company, The, Limited, Hamilton, Ontario, Canada. Steel stoves, ranges, and heating apparatus. No. 90,983; Apr. 8; Gaz. vol. 189; p. 518.
- Fuller Canneries Company, The, Cleveland, Ohio, and South Dayton, N. Y. Canned vegetables. No. 90,320; Feb. 18; Gaz. vol. 187; p. 824.
- Fulper Pottery Company, Flemington, N. J. Certain named articles of pottery. No. 91,655; May 20; Gaz. vol. 190; p. 788.
- Fulton Chemical Company, New York, assignor to Buffalo Specialty Company, Buffalo, N. Y. Preparations for destroying certain named vermin and rodents and insects. No. 90,188; Feb. 11; Gaz. vol. 187; p. 508.
- Fulton Fire Brick Company, Fulton, Mo. Fire-bricks. No. 91,567; May 13; Gaz. vol. 190; p. 543.
- Fults, Els B., Cleburne, Tex. Liniment. No. 90,695; Mar. 18; Gaz. vol. 188; p. 803.
- Funk, Harry C. A., Winchester, Va. Germicides, disinfectants, and deodorants. No. 92,974; Aug. 12; Gaz. vol. 193; p. 504.
- Furman, Eugene M., Binghamton, N. Y. Remedy for coughs, colds, and bronchitis. No. 91,195; Apr. 22; Gaz. vol. 189; p. 1026.
- Furst Salve Co., Beech Creek, Pa. Salves. No. 93,632; Oct. 7; Gaz. vol. 195; p. 271.
- Fyso-Bromo Drug Company, Baltimore, Md. Headache remedy. No. 90,696; Mar. 18; Gaz. vol. 188; p. 803.
- G. Agnel Company, New York, N. Y. Bath-powder. No. 90,668; Mar. 18; Gaz. vol. 188; p. 803.
- G. Agnel Company, New York, N. Y. Toilet and face powders. No. 90,669; Mar. 18; Gaz. vol. 188; p. 803.
- G. Agnel Company, New York, N. Y. Toilet water and extracts and perfumes. No. 90,670; Mar. 18; Gaz. vol. 188; p. 803.
- G. Agnel Company, New York, N. Y. Face-powders, perfumes, and toilet waters. No. 91,407; Apr. 29; Gaz. vol. 189; p. 1278.
- G. Reis & Bro., New York, N. Y. Embroidery foundations. No. 92,468; July 8; Gaz. vol. 192; p. 513.
- G. Reis & Bro., New York, N. Y. Embroidery foundations. No. 94,532; Dec. 9; Gaz. vol. 197; p. 530.
- G. A. Stafford & Company, New York, N. Y. Zephyr gingham. No. 91,915; June 3; Gaz. vol. 191; p. 289.
- G. B. Farrington Company, The, New York, N. Y. Coffee. No. 93,980; Oct. 28; Gaz. vol. 195; p. 1045.
- G. F. Stephens & Co., Limited, Winnipeg, Manitoba, Canada. Paints, enamels, wall-finishes, stains, and varnishes. No. 91,390; Apr. 29; Gaz. vol. 189; p. 1277.
- G. H. Schoellkopf Saddlery Co., Dallas, Tex. Certain named horse equipments. No. 91,382; Apr. 29; Gaz. vol. 189; p. 1277.
- G. J. G. Motor Car Co., White Plains, N. Y. Automobiles. No. 91,009; Apr. 8; Gaz. vol. 189; p. 519.
- G. M. Parks Co., Fitchburg, Mass. Vacuum-cleaners. No. 90,732; Mar. 18; Gaz. vol. 188; p. 805.
- G. & S. Accessory Company, New York, N. Y. Engine self-starters, vehicle tire-holders, and robe-rails. No. 90,772; Mar. 25; Gaz. vol. 188; p. 1047.
- G. W. Armstrong Dining Room & News Company, The, Boston, Mass. Playing-cards. No. 91,750; May 27; Gaz. vol. 190; p. 1023.
- G. W. Carnrick Co., New York, N. Y. Internal secretions. No. 92,635; July 22; Gaz. vol. 192; p. 983.
- G. W. Van Slyke & Horton, Albany, N. Y. Cigars. No. 91,276; Apr. 22; Gaz. vol. 189; p. 1028.
- G. W. van Slyke & Horton, Albany, N. Y. Cigars. No. 92,924; Aug. 5; Gaz. vol. 193; p. 216.
- Gaither, Charles P., New York, N. Y. Writing and drawing inks. No. 90,801; Mar. 25; Gaz. vol. 188; p. 1047.
- Galarud Co., The, Newark, N. J. Certain named hardware and plumbing and steam-fitting supplies. No. 92,331; July 1; Gaz. vol. 192; p. 211.
- Galban & Co. Inc., New York, N. Y., and Habana, Cuba. Wheat-flour. No. 90,189; Feb. 11; Gaz. vol. 187; p. 508.
- Gallant, Albert E., New York, N. Y. Abdominal corsets and binders. No. 93,527; Sept. 23; Gaz. vol. 194; p. 947.
- Galt & Co., W. M., Washington, D. C. Wheat-flour. No. 92,975; Aug. 12; Gaz. vol. 193; p. 504.
- Galt & Co., W. M., Washington, D. C. Wheat-flour. No. 93,437; Sept. 16; Gaz. vol. 194; p. 740.
- Galt, Edith B., Washington, D. C. Certain named jewelry and precious-metal ware. No. 91,568; May 13; Gaz. vol. 190; p. 543.
- Galvanized Steel Cupola Co., Owatonna, Minn. Ventilators. No. 91,569; May 13; Gaz. vol. 190; p. 543.
- Gambati, Olympio F., Houston, Tex. Certain pharmaceutical preparation. No. 91,196; Apr. 22; Gaz. vol. 189; p. 1026.
- Gane, Charles L., Philadelphia, Pa. Certain adhesives. No. 93,528; Sept. 23; Gaz. vol. 194; p. 947.
- Garcia, Parsons M., Tampa, Fla. Remedy for rheumatism. No. 89,743; Jan. 7; Gaz. vol. 186; p. 285.
- Garcia & Vega, New York, N. Y. Cigars. No. 92,886; Aug. 5; Gaz. vol. 193; p. 215.
- Gardiner, George H., Thomaston, Me. Remedy for colds. No. 90,190; Feb. 11; Gaz. vol. 187; p. 508.
- Gardner Broom Company, Amsterdam, N. Y. Brooms. No. 91,197; Apr. 22; Gaz. vol. 189; p. 1026.
- Gardner Broom Company, Amsterdam, N. Y. Brooms. No. 91,337; Apr. 29; Gaz. vol. 189; p. 1276.
- Garrett & Co., Norfolk, Va. Blackberry cordial. No. 94,785; Dec. 30; Gaz. vol. 197; p. 1289.
- Gates, Robert J., New York, N. Y. Toilet soap. No. 93,842; Oct. 21; Gaz. vol. 195; p. 812.
- Gates, Robert J., New York, N. Y. Toilet powder, cold-cream, and remedy for obesity. No. 93,983; Oct. 28; Gaz. vol. 195; p. 1046.
- Gates, Robert J., New York, N. Y. Veterinary remedies. No. 93,984; Oct. 28; Gaz. vol. 195; p. 1046.
- Gautier Frères, Aigre, France. Brandy. No. 93,841; Oct. 21; Gaz. vol. 195; p. 812.
- Gawurin, Leon, New York, N. Y. Toilet-powder. No. 92,063; June 17; Gaz. vol. 191; p. 826.
- Gebrüder Stollwerck Aktiengesellschaft, Cologne, Germany. Dietetic chocolate drink. No. 90,280; Feb. 18; Gaz. vol. 187; p. 823.
- Geisinger, Mary E., Tunkhannock, Pa. Dropsy remedy. No. 92,332; July 1; Gaz. vol. 192; p. 211.
- Gelman & Bader, Portland, Ore. Remedies for certain named diseases, a medicine, chemical, and pharmaceutical preparation. No. 90,110; Feb. 4; Gaz. vol. 187; p. 228.
- General Ceramic Manufacturing Company, The, Revere and Boston, Mass. Building-blocks, bricks, pillars, and tiles. No. 93,347; Sept. 9; Gaz. vol. 194; p. 546.
- General Composing Company, Gesellschaft mit beschränkter Haftung, Berlin, Germany. Certain named machines. No. 94,440; Dec. 9; Gaz. vol. 197; p. 528.
- General Dehydrator Company. (See Harris & Pollard Dehydrated Products Co., assignor.)
- General Dehydrator Company. (See Tropico Co., assignor.)
- General Electric Company. (See Fostoria Glass Specialty Company, assignor.)
- General Electric Company, Schenectady, N. Y. Glass shades and reflectors. No. 91,198; Apr. 22; Gaz. vol. 189; p. 1026.
- General Electric Company, Schenectady, N. Y. Certain named glass articles used for illuminating purposes. No. 94,366; Dec. 2; Gaz. vol. 197; p. 235.
- General Fireproofing Company, The, Youngstown, Ohio. Metal lathing, wall-ties, &c. No. 93,348; Sept. 9; Gaz. vol. 194; p. 546.
- General Fireproofing Company, The, Youngstown, Ohio. Metallic filing cases and cabinets. No. 94,367; Dec. 2; Gaz. vol. 197; p. 235.
- General Illuminating Company, New York, N. Y. Spark-plugs. No. 89,838; Jan. 14; Gaz. vol. 186; p. 552.
- General Oven Company, New York, N. Y. Bakers' ovens. No. 92,209; June 24; Gaz. vol. 191; p. 1062.
- General Roofing Manufacturing Co., East St. Louis, Ill. Asphalt roofing, tarred felts, and building papers. No. 94,368; Dec. 2; Gaz. vol. 197; p. 235.
- Geo. Borgfeldt & Co., New York, N. Y. Hair-nets. No. 90,959; Apr. 8; Gaz. vol. 189; p. 517.
- Geo. Borgfeldt & Co., New York, N. Y. Pure-aluminum ware. No. 91,066; Apr. 15; Gaz. vol. 189; p. 775.
- Geo. Borgfeldt & Co., New York, N. Y. Hair-nets, silk chignons and nettings. No. 91,292; Apr. 22; Gaz. vol. 189; p. 1029.
- Geo. Borgfeldt & Co., New York, N. Y. Brushes. No. 91,314; Apr. 29; Gaz. vol. 189; p. 1275.
- Geo. Borgfeldt & Co., New York, N. Y. Aluminum and tin ware and metal trays. No. 91,755; May 27; Gaz. vol. 190; p. 1023.
- Geo. Borgfeldt & Co., New York, N. Y. Certain named surgical appliances. Nos. 91,841-2; June 3; Gaz. vol. 191; p. 287.
- Geo. Borgfeldt & Co., New York, N. Y. Aluminum and tin ware and metal trays. No. 91,843; June 3; Gaz. vol. 191; p. 287.
- Geo. Borgfeldt & Co., New York, N. Y. Certain named medical and surgical appliances. No. 92,174; June 24; Gaz. vol. 191; p. 1061.
- Geo. Borgfeldt & Co., New York, N. Y. Common and safety pins. No. 92,175; June 24; Gaz. vol. 191; p. 1061.
- Geo. Borgfeldt & Co., New York, N. Y. Toilet-brushes. No. 92,527; July 15; Gaz. vol. 192; p. 738.
- Geo. Borgfeldt & Co., New York, N. Y. Vacuum-bottles. No. 92,627; July 22; Gaz. vol. 192; p. 983.
- Geo. Borgfeldt & Co., New York, N. Y. Mirrors and picture-frames. No. 92,628; July 22; Gaz. vol. 192; p. 983.

Alphabetical list of registrants of trade-marks—Continued.

- Geo. Borgfeldt & Co., New York, N. Y. Toilet-combs. No. 92,785; July 29; Gaz. vol. 192; p. 1256.
- Geo. Borgfeldt & Co., New York, N. Y. Alcohol lamps and stoves. No. 92,868; Aug. 5; Gaz. vol. 193; p. 215.
- Geo. Borgfeldt & Co., New York, N. Y. Vacuum-bottles. No. 92,869; Aug. 5; Gaz. vol. 193; p. 215.
- Geo. Borgfeldt & Co., New York, N. Y. Brushes having celluloid handles. No. 93,159; Aug. 26; Gaz. vol. 193; p. 1011.
- Geo. Borgfeldt & Co., New York, N. Y. Aluminum ware. Nos. 93,674-5; Oct. 14; Gaz. vol. 195; p. 533.
- Geo. Borgfeldt & Co., New York, N. Y. Hair-nets. Nos. 93,676-9; Oct. 14; Gaz. vol. 195; p. 533.
- Geo. Borgfeldt & Co., New York, N. Y. Hair-nets. Nos. 93,813-14; Oct. 21; Gaz. vol. 195; p. 811.
- Geo. Borgfeldt & Co., New York, N. Y. Infants' toilet requisites, toilet and tooth powder, &c. No. 93,961; Oct. 28; Gaz. vol. 195; p. 1045.
- Geo. Borgfeldt & Co., New York, N. Y. Hair-nets, silk chiffons, and nettings. No. 94,051; Nov. 4; Gaz. vol. 196; p. 269.
- Geo. G. Sandeman, Sons & Co., Limited, London, England. Port and sherry wine. No. 90,925; Apr. 1; Gaz. vol. 189; p. 249.
- Geo. G. Sandeman, Sons & Co. Limited, London, England. Port and sherry wine. No. 91,129; Apr. 15; Gaz. vol. 189; p. 777.
- Geo. G. Sandeman, Sons & Co. Limited, London, England. Sherry-wine. No. 91,703; May 20; Gaz. vol. 190; p. 789.
- Geo. H. Fritz & Sons, Newark, N. J. Candy. No. 93,982; Oct. 28; Gaz. vol. 195; p. 1045.
- Geo. H. Strietmann's Sons Company, Cincinnati, Ohio. Sugar-wafers. No. 93,305; Sept. 2; Gaz. vol. 194; p. 270.
- Geo. Tait & Sons, Inc., Norfolk, Va. Seeds. No. 92,011; June 10; Gaz. vol. 191; p. 583.
- Geo. Zett Brewery, The, Syracuse, N. Y. Lager-beer and ale. No. 94,779; Dec. 30; Gaz. vol. 197; p. 1289.
- George & Barker Co., The, Astoria, Oreg., and Point Roberts, Wash. Canned salmon. No. 90,527; Mar. 4; Gaz. vol. 188; p. 238.
- George & Barker Co., The, Point Roberts, Wash. Canned salmon. No. 92,210; June 24; Gaz. vol. 191; p. 1062.
- George C. Batcheller & Co., New York, N. Y. Corsets. No. 92,507; July 15; Gaz. vol. 192; p. 737.
- George G. Fox Company, Boston, Mass. Pies. No. 92,765; July 29; Gaz. vol. 192; p. 1255.
- George H. Currier Co., Chicago, Ill. Monthly magazine. No. 89,820; Jan. 14; Gaz. vol. 186; p. 552.
- George H. Rundle Company, The, Piqua, Ohio. Remedy for constipation. No. 91,802; May 27; Gaz. vol. 190; p. 1025.
- George J. Renner Brewing Company, The, Akron, Ohio. Beer. No. 90,243; Feb. 11; Gaz. vol. 187; p. 509.
- Georgian Company, The, Atlanta, Ga. Sunday newspaper. No. 91,473; May 6; Gaz. vol. 190; p. 260.
- Georgian Company, The, Atlanta, Ga. Daily newspaper. No. 91,474; May 6; Gaz. vol. 190; p. 260.
- Gerhardt, Maurice, Paris, France. Certain named furnishings and notions. No. 90,984; Apr. 8; Gaz. vol. 189; p. 518.
- Gerhardt, Maurice, Paris, France. Certain named furnishings and notions. No. 91,293; Apr. 22; Gaz. vol. 189; p. 1029.
- Germaseptic Chemical Company, Chicago, Ill. Ointment. No. 90,528; Mar. 4; Gaz. vol. 188; p. 238.
- Gerstendorfer Bros., New York, N. Y. Certain named paints and painters' materials. No. 91,475; May 6; Gaz. vol. 190; p. 260.
- Gesellschaft für drahtlose Telegraphie m. b. H., Berlin, Germany. Certain named electrical supplies and apparatus. No. 93,710; Oct. 14; Gaz. vol. 195; p. 534.
- Gesellschaft für Drahtlose Telegraphie, m. b. H., Berlin, Germany. Wave-meters and electrical measuring instruments. No. 94,726; Dec. 30; Gaz. vol. 197; p. 1287.
- Gesswein & Company, Paul H., New York, N. Y. Jewelers' saws. No. 94,369; Dec. 2; Gaz. vol. 197; p. 235.
- Gewerkschaft Leuchtenburg, Cologne, Germany. Leucite phonolite. No. 90,802; Mar. 25; Gaz. vol. 188; p. 1048.
- Giacona & Co., C., New Orleans, La. Olive-oil. No. 94,175; Nov. 11; Gaz. vol. 196; p. 522.
- Gibson Refrigerator Co., Greenville, Mich. Refrigerator-linings. No. 92,665; July 22; Gaz. vol. 192; p. 984.
- Gibson's Limited, Vancouver, British Columbia, Canada. Chains made of base metal. No. 93,711; Oct. 14; Gaz. vol. 195; p. 534.
- Giffen-Hobbs Co., Fresno, Cal. Raisins. No. 90,428; Feb. 25; Gaz. vol. 187; p. 1111.
- Giffen-Hobbs Co., Fresno, Cal. Raisins. Nos. 92,418-20; July 8; Gaz. vol. 192; p. 512.
- Gifford, Arthur E., Worcester, Mass. Corsets. No. 93,843; Oct. 21; Gaz. vol. 195; p. 812.
- Giguet, Julien, Lyon, France. Hair-nets. No. 92,887; Aug. 5; Gaz. vol. 193; p. 215.
- Giguet, Julien, Lyon, France, and New York, N. Y. Hair-nets. No. 94,523; Dec. 9; Gaz. vol. 197; p. 530.
- Gilbert Bros. & Co., Baltimore, Md. Talcum powder. No. 90,191; Feb. 11; Gaz. vol. 187; p. 508.
- Gilbert, David M., New York, N. Y. Glass lamp-shades, electric-fixture shades, and reflectors. No. 90,192; Feb. 11; Gaz. vol. 187; p. 508.
- Gill Brothers Company, Steubenville, Ohio. Certain named glassware. No. 90,529; Mar. 4; Gaz. vol. 188; p. 238.
- Gillespie, Marian E., New York, N. Y. Hair shampoos and tonics. No. 90,530; Mar. 4; Gaz. vol. 188; p. 238.
- Gilpin, Langdon & Company, Inc., Baltimore, Md. Spices. No. 92,333; July 1; Gaz. vol. 192; p. 211.
- Girten-Meyers Supply Co., Houston, Tex. Rubber hose, packing, and valves. No. 92,888; Aug. 5; Gaz. vol. 193; p. 215.
- Glamser Venn Drug Company, assignor to Persian Balm Company, Pittsburgh, Pa. Healing lotion or balm for chapped hands. No. 94,553; Dec. 16; Gaz. vol. 197; p. 777.
- Gleason-Tiebout Glass Company, New York, N. Y. Glass shades, globes, and reflectors. No. 93,173; Aug. 26; Gaz. vol. 193; p. 1012.
- Glessner Medicine Co., The, Findlay, Ohio. Cough and croup remedy. No. 91,656; May 20; Gaz. vol. 190; p. 788.
- Globe Naval Stores Company, Atmore, Ala. Turpentine. No. 94,074; Nov. 4; Gaz. vol. 196; p. 270.
- Globe Soap Company, The, Cincinnati, Ohio. Soap. No. 90,635; Mar. 11; Gaz. vol. 188; p. 509.
- Glocker Sanitary Jar Company, Wilmington, Del. Glass bottles and jars. No. 92,666; July 22; Gaz. vol. 192; p. 984.
- Glocker Sanitary Jar Company, Wilmington, Del. Fruit-jar rings. No. 92,889; Aug. 5; Gaz. vol. 193; p. 215.
- Glycerine Applicator Co., Spring Lake, Mich. Remedy for constipation and hemorrhoids. No. 93,985; Oct. 28; Gaz. vol. 195; p. 1046.
- Göbel, A., New York, N. Y. Sausage. No. 92,064; June 17; Gaz. vol. 191; p. 826.
- Godfrey S. Mahn Inc., New York, N. Y. Tobacco. No. 91,887; June 3; Gaz. vol. 191; p. 288.
- Godfrey, Willard A., Watervliet, Mich. Canned fruits and vegetables. No. 93,844; Oct. 21; Gaz. vol. 195; p. 812.
- Godwin, William S., Baltimore, Md. Antiseptics. No. 94,628; Dec. 23; Gaz. vol. 197; p. 992.
- Goebel Brewing Co., The, Detroit, Mich. Beer and malt extract. No. 92,334; July 1; Gaz. vol. 192; p. 211.
- Goes Lithographing Co., Chicago, Ill. Bond-paper. No. 93,438; Sept. 16; Gaz. vol. 194; p. 740.
- Goeser, John H., Hazleton, Pa. Canned vegetables. No. 90,011; Jan. 28; Gaz. vol. 186; p. 982.
- Goetz, Albert F., Baltimore, Md. Biscuits. No. 89,843; Jan. 14; Gaz. vol. 186; p. 552.
- Goetz, Albert F., Baltimore, Md. Bread-sticks. No. 89,844; Jan. 14; Gaz. vol. 186; p. 552.
- Goetze, Frederick, New Brunswick, N. J. Gaskets. No. 91,199; Apr. 22; Gaz. vol. 189; p. 1026.
- Goldberg, Bowen & Co., San Francisco, Cal. Tea, coffee, spices, flavoring extracts, and wheat-flour. No. 90,321; Feb. 18; Gaz. vol. 187; p. 824.
- Goldberg, Bowen & Co., San Francisco, Cal. Baking-powder. No. 91,766; May 27; Gaz. vol. 190; p. 1024.
- Goldberg, Bowen & Co., San Francisco, Cal. Sugar and oysters. No. 94,629; Dec. 23; Gaz. vol. 197; p. 992.
- Goldberg, Elias T., Bridgeport, Conn. Soldering-gold. No. 92,769; July 29; Gaz. vol. 192; p. 1255.
- Goldberg, Isaac, New York, N. Y. Certain named alcoholic liquors. No. 89,919; Jan. 21; Gaz. vol. 186; p. 793.
- Goldberg, Isaac, New York, N. Y. Certain named wines. Nos. 92,065-6; June 17; Gaz. vol. 191; p. 826.
- Goldberg, Isaac, New York, N. Y. Certain named distilled alcoholic liquors. No. 92,067; June 17; Gaz. vol. 191; p. 826.
- Golden West Brewing Company, Oakland, Cal. Beer. No. 90,322; Feb. 18; Gaz. vol. 187; p. 824.
- Goldin Brothers, New York, N. Y. Tube and spool silk and mercerized thread. No. 90,879; Apr. 1; Gaz. vol. 189; p. 247.
- Goldsmith, Harry N., Philadelphia, Pa. Cigar-lighters. No. 91,570; May 13; Gaz. vol. 190; p. 543.
- Goodall Backhouse & Co., Leeds, England. Sauces. No. 92,667; July 22; Gaz. vol. 192; p. 984.
- Goodyear Rubber Hose & Packing Company, Philadelphia, Pa. Coverings for hand-wheels. No. 90,323; Feb. 18; Gaz. vol. 187; p. 824.
- Goodyear Rubber Hose & Packing Company, Philadelphia, Pa. Coverings for hand-wheels. No. 93,986; Oct. 28; Gaz. vol. 195; p. 1046.
- Goose Grease Co., Greensboro, N. C. Salve. No. 94,441; Dec. 9; Gaz. vol. 197; p. 528.
- Gordon, Sewall & Company, Houston, Tex. Certain named foods. No. 90,193; Feb. 11; Gaz. vol. 187; p. 508.
- Gordon, Sewall & Company, Houston, Tex. Certain named foods. No. 91,085; Apr. 15; Gaz. vol. 189; p. 775.
- Gorski, Stanley, Philadelphia, Pa. Metal washing device. No. 94,076; Nov. 4; Gaz. vol. 196; p. 270.
- Gotham Silk Mfg. Co., New York, N. Y. Hosiery. No. 90,324; Feb. 18; Gaz. vol. 187; p. 824.
- Gotham Silk Mfg. Co., New York, N. Y. Hosiery. No. 91,959; June 10; Gaz. vol. 191; p. 582.
- Gottesman & Son, M., New York, N. Y. Wood-pulp. No. 94,077; Nov. 4; Gaz. vol. 196; p. 270.

Alphabetical list of registrants of trade-marks—Continued.

- Gottesman & Son, M., New York, N. Y. Wood-pulp. Nos. 94,442-3; Dec. 9; Gaz. vol. 197; p. 528.
- Gould, Percival A., Gibsonburg, Ohio. Dental rubber. No. 94,078; Nov. 4; Gaz. vol. 196; p. 270.
- Governor and Company of Adventurers of England Trading into Hudson's Bay, The, Winnipeg, Manitoba, Canada. Whisky. No. 94,444; Dec. 9; Gaz. vol. 197; p. 528.
- Grafton Roller Mill Co., The, Grafton, N. D. Wheat-flour. No. 92,068; June 17; Gaz. vol. 191; p. 826.
- Graham-Chisholm Company, New York, N. Y. Certain named stationery. No. 90,985; Apr. 8; Gaz. vol. 189; p. 518.
- Graham, Gervaise, Chicago, Ill. Shampoo preparation. No. 93,272; Sept. 2; Gaz. vol. 194; p. 269.
- Graham, John H., New York, N. Y. Springs for automobiles and horse-drawn vehicles adapted to carry passengers. No. 93,712; Oct. 14; Gaz. vol. 195; p. 534.
- Granjon, Pascal J., Paris, France. Compound for purifying acetylene. No. 90,880; Apr. 1; Gaz. vol. 189; p. 247.
- Grantorpets Tändsticksfabriks Aktiebolag, Vestervik, Sweden. Matches. No. 90,803; Mar. 25; Gaz. vol. 188; p. 1048.
- Granucci, Gisberto, San Francisco, Cal. Olive-oil. No. 90,693; Mar. 18; Gaz. vol. 188; p. 803.
- Graphites-Maskar Société Anonyme, Paris, France. Plumbago for lubricating. No. 93,090; Aug. 19; Gaz. vol. 193; p. 750.
- Graphites Maskar Societe Anonyme, Paris, France. Plumbago for polishing. No. 93,529; Sept. 23; Gaz. vol. 194; p. 947.
- Graphites-Maskar Société Anonyme, Paris, France. Crucibles and cupels. No. 93,713; Oct. 14; Gaz. vol. 195; p. 534.
- Graphites Maskar Société Anonyme, Paris, France. Plumbago. No. 94,176; Nov. 11; Gaz. vol. 196; p. 522.
- Grau, Salvador A., Barcelona, Spain. Medicated pastils and lozenges. No. 89,953; Jan. 21; Gaz. vol. 186; p. 794.
- Grau, Salvador A., Barcelona, Spain. Anti-asthmatic cigarettes. No. 89,954; Jan. 21; Gaz. vol. 186; p. 794.
- Grau, Salvador A., Barcelona, Spain. Medicated pastils and lozenges. No. 89,955; Jan. 21; Gaz. vol. 186; p. 794.
- Grau, Salvador A., Barcelona, Spain. Anti-asthmatic fumigating-paper. No. 90,195; Feb. 11; Gaz. vol. 187; p. 508.
- Grau, Salvador A., Barcelona, Spain. Medicated pastils and lozenges. No. 91,200; Apr. 22; Gaz. vol. 189; p. 1026.
- Grau, Salvador A., Barcelona, Spain. Anti-asthmatic cigarettes. No. 91,201; Apr. 22; Gaz. vol. 189; p. 1026.
- Grau, Salvador A., Barcelona, Spain. Anti-asthmatic fumigating paper. No. 91,202; Apr. 22; Gaz. vol. 189; p. 1026.
- Grau, Salvador A., Barcelona, Spain. Certain chemicals, medicines, and pharmaceutical preparations. No. 92,668; July 22; Gaz. vol. 192; p. 984.
- Gray, Frank M., Chicago, Ill. Live and dressed poultry, game, eggs, &c. No. 90,531; Mar. 4; Gaz. vol. 188; p. 238.
- Gray, George, Sisseton, S. D. Washing-paste. No. 92,890; Aug. 5; Gaz. vol. 193; p. 216.
- Gray, George E., Philadelphia, Pa. Ointments and lotions. No. 90,532; Mar. 4; Gaz. vol. 188; p. 238.
- Gray, John C., Oroville, Cal. Mineral water. No. 90,112; Feb. 4; Gaz. vol. 187; p. 228.
- Great Atlantic and Pacific Tea Company, The, Jersey City, N. J. Tapioca. No. 90,430; Feb. 25; Gaz. vol. 187; p. 1111.
- Great Western Smelting & Refining Co., Chicago, Ill. Babbitt and antifriction metals. No. 93,987; Oct. 28; Gaz. vol. 195; p. 1046.
- Great Western Smelting & Refining Co., Chicago, Ill. Babbitt and antifriction metals. No. 94,177; Nov. 11; Gaz. vol. 196; p. 522.
- Greeley Laboratories, Inc., New York, N. Y. Hypodermic syringes and appurtenances. No. 90,196; Feb. 11; Gaz. vol. 187; p. 508.
- Green, Jesse B., Sadler, Tex. Remedy for dropsy. No. 94,079; Nov. 4; Gaz. vol. 196; p. 270.
- Green-Joyce Company, The, Columbus, Ohio. Corset-covers, skirts, gowns, &c. No. 90,431; Feb. 25; Gaz. vol. 187; p. 1112.
- Greenebaum, Max, New York, N. Y. Writing and printing paper. No. 90,197; Feb. 11; Gaz. vol. 187; p. 508.
- Greenebaum, Max, New York, N. Y. Writing and printing paper. No. 90,804; Mar. 25; Gaz. vol. 188; p. 1048.
- Greenebaum, Weil & Michels, San Francisco, Cal. Certain named garments made of textile material. No. 91,658; May 20; Gaz. vol. 190; p. 788.
- Greenwald, Rose, Dinuba, Cal. Automobile-polish. No. 94,445; Dec. 9; Gaz. vol. 197; p. 528.
- Greer, Benjamin W., Germantown, Pa. Piece goods of woolen, worsted, and cotton. No. 93,988; Oct. 28; Gaz. vol. 195; p. 1046.
- Gregoriou & Co., San Francisco, Cal. Remedy for hemorrhoids. No. 90,881; Apr. 1; Gaz. vol. 189; p. 247.
- Greif Bros. Cooperage Co., The, Cleveland, Ohio. Casks and barrels. Nos. 91,572-4; May 13; Gaz. vol. 190; p. 544.
- Gribbon, Lange & Steven, New York, N. Y. Cotton piece goods. No. 90,325; Feb. 18; Gaz. vol. 187; p. 824.
- Griffith-Durney Co., San Francisco, Cal. Canned fruits. No. 92,670; July 22; Gaz. vol. 192; p. 984.
- Griffiths, Edward M., London, England. Case-hardening material. No. 90,986; Apr. 8; Gaz. vol. 189; p. 518.
- Grimme, Natalis & Co., Commanditgesellschaft auf Actien, Brunswick, Germany. Calculating and adding machines. No. 91,659; May 20; Gaz. vol. 190; p. 788.
- Griscom-Russell Co., New York, N. Y. Heating and ventilating apparatus and certain named apparatus relating thereto. No. 92,421; July 8; Gaz. vol. 192; p. 512.
- Grisi, Blas, Mexico, Mexico. Medicinal plasters. No. 90,199; Feb. 11; Gaz. vol. 187; p. 508.
- Grissiom, R. D., Henderson, Ky. Tonic for the blood, liver, and kidneys. No. 90,697; Mar. 18; Gaz. vol. 188; p. 804.
- Groneweg & Schoentgen Co., Council Bluffs, Iowa. Certain named foods. No. 92,977; Aug. 12; Gaz. vol. 193; p. 504.
- Gross & Company, New York, N. Y. Cornmeal. No. 93,845; Oct. 21; Gaz. vol. 195; p. 812.
- Grosselli Manufacturing Company, Washington, D. C. Cleaning fluids for removing spots and stains from clothing. No. 90,533; Mar. 4; Gaz. vol. 188; p. 238.
- Grossman, Joseph, Steubenville, Ohio. Wheat-flour. No. 90,987; Apr. 8; Gaz. vol. 189; p. 518.
- Grossmann, I., Vienna, Austria-Hungary, and New York, N. Y. Hair-nets. No. 89,745; Jan. 7; Gaz. vol. 186; p. 285.
- Gruber, Alphonse W., Philadelphia, Pa. Furniture, hardwood, and enamel cleanser. No. 90,432; Feb. 25; Gaz. vol. 187; p. 1112.
- Grünbaum, Adolf, New York, N. Y. Bitters. No. 90,534; Mar. 4; Gaz. vol. 188; p. 238.
- Guerin, George P., Chicago, Ill. Games. No. 91,203; Apr. 22; Gaz. vol. 189; p. 1026.
- Guterman, Rosenfeld & Co., New York, N. Y. Canned crab-meat and sardines. No. 90,013; Jan. 28; Gaz. vol. 186; p. 982.
- Gum Tragasol Supply Company Limited, The, Hooton, England. Starch sizing. No. 90,698; Mar. 18; Gaz. vol. 188; p. 804.
- Gum Tragasol Supply Company Limited, The, Hooton, England. Adhesive sizings. Nos. 90,805-6; Mar. 25; Gaz. vol. 188; p. 1048.
- Gum Tragasol Supply Company Limited, The, Hooton, England. Starch sizing. No. 91,204; Apr. 22; Gaz. vol. 189; p. 1026.
- Gum Tragasol Supply Company Limited, The, Hooton, England. Painters' size and dressings and polishes for wood and iron. Nos. 91,478-9; May 6; Gaz. vol. 190; p. 260.
- Gum Tragasol Supply Company Limited, Hooton, county of Chester, England. Mucilaginous products of vegetable origin. No. 92,070; June 17; Gaz. vol. 191; p. 826.
- Gum Tragasol Supply Company Limited, Hooton, county of Chester, England. Leather dressing and polishes. Nos. 92,071-2; June 17; Gaz. vol. 191; p. 826.
- Gum Tragasol Supply Company Limited, The, county of Chester and Hooton, England. Certain mucilaginous products for special uses. No. 93,492; Sept. 16; Gaz. vol. 194; p. 741.
- Gumpert & Co., S., New York, N. Y. Coloring for cake-icings. No. 91,420; Apr. 29; Gaz. vol. 189; p. 1278.
- Gumpert & Co., S., Brooklyn, N. Y. Flavoring for cake-icings. No. 93,846; Oct. 21; Gaz. vol. 195; p. 812.
- Gurney Refrigerator Company, Limited, Fond du Lac, Wis. Refrigerators. No. 93,715; Oct. 14; Gaz. vol. 195; p. 535.
- Gutsche, Anna M., Philadelphia, Pa. Certain named clothing. No. 93,174; Aug. 26; Gaz. vol. 193; p. 1012.
- Gutta Percha & Rubber Mfg. Co., The, New York, N. Y. Certain named mechanical rubber goods. No. 91,338; Apr. 29; Gaz. vol. 189; p. 1276.
- Guy, Curran & Co., Washington, D. C. Men's half-hose. No. 91,961; June 10; Gaz. vol. 191; p. 582.
- H. Bronnley & Company, Limited, London, England. Perfumed soap. No. 91,315; Apr. 29; Gaz. vol. 189; p. 1275.
- H. Ehrlich & Sons Mfg. Co., St. Joseph, Mo. Binder used as an ingredient of pork sausage. No. 90,177; Feb. 11; Gaz. vol. 187; p. 507.
- H. Ehrlich & Sons Mfg. Co., St. Joseph, Mo. Billiard and pool table cushions. No. 90,632; Mar. 11; Gaz. vol. 188; p. 509.
- H. Gould Company, Oakland, Cal. Cereal breakfast foods. No. 90,194; Feb. 11; Gaz. vol. 187; p. 508.
- H. Gould Company, Oakland, Cal. Cereal breakfast foods. No. 91,086; Apr. 15; Gaz. vol. 189; p. 775.
- H. Koehler & Co., New York, N. Y. Beer. No. 92,802; July 29; Gaz. vol. 192; p. 1256.
- H. Schlinck & Cie. A. G., Hamburg, Germany. Margarin. No. 91,806; May 27; Gaz. vol. 190; p. 1025.
- H. A. Weymann & Son, Philadelphia, Pa. Mandolins. No. 93,788; Oct. 14; Gaz. vol. 195; p. 537.
- H. B. Chalmers Company, Schenectady, N. Y. Paint and varnish removers. No. 92,639; July 22; Gaz. vol. 192; p. 983.
- H. B. Clafin Company, The, New York, N. Y. Hosiery. No. 91,321; Apr. 29; Gaz. vol. 189; p. 1275.

Alphabetical list of registrants of trade-marks—Continued.

- H. B. Claflin Company, New York, N. Y. Silk piece goods. No. 92,640; July 22; Gaz. vol. 192; p. 983.
- H. B. Claflin Company, The, New York, N. Y. Dolls and toys. No. 94,237; Nov. 18; Gaz. vol. 196; p. 801.
- H. C. Cole Milling Co., Chester, Ill. Self-rising flour. No. 93,969; Oct. 28; Gaz. vol. 195; p. 1045.
- H. C. Fry Glass Company, Rochester, Pa. Glass reflectors. No. 91,193; Apr. 22; Gaz. vol. 189; p. 1026.
- HC Red Label Chemical Company, Brookline, Mass. Paint and varnish remover. No. 92,214; June 24; Gaz. vol. 191; p. 1062.
- H. C. Watts, Incorporated, Syracuse, N. Y. Eyeglasses and spectacles. No. 90,397; Feb. 18; Gaz. vol. 187; p. 826.
- H. D. Roosen Company, Brooklyn, N. Y.; Chicago, Ill.; Toronto, Canada; Buenos Aires, Argentina, and Mexico, Mexico. Printing and lithographing inks. No. 91,034; Apr. 8; Gaz. vol. 189; p. 519.
- H. E. Verran Company, Incorporated, New York, N. Y. Thread and yarn of certain named materials. No. 91,300; Apr. 22; Gaz. vol. 189; p. 1029.
- H. J. Frost & Company, New York, N. Y. Fishing-tackle. No. 90,427; Feb. 25; Gaz. vol. 187; p. 1111.
- H. J. Frost & Company, New York, N. Y. Fishing-tackle. Nos. 91,191-2; Apr. 22; Gaz. vol. 189; p. 1026.
- H. L. Griesedieck Distilling Co., St. Louis, Mo. Whisky. No. 92,669; July 22; Gaz. vol. 192; p. 984.
- H. O. Canfield Company, Bridgeport, Conn. Rubber goods for plumbers' use. No. 92,396; July 8; Gaz. vol. 192; p. 511.
- H. P. Patents and Processes Company, Inc. (See Hochstetter, Frederick W., assignor.)
- H. T. Spencer Company, Cleveland, Ohio. Hosiery, corsets, aprons, and collars. No. 90,755; Mar. 18; Gaz. vol. 188; p. 805.
- H & W Company, The, Newark, N. J. Corsets, corset-waists, brassieres, &c. No. 90,014; Jan. 28; Gaz. vol. 186; p. 982.
- H. W. Gordinier and Sons Co., Troy, N. Y. Field and grass seeds. No. 91,571; May 13; Gaz. vol. 190; p. 544.
- H. W. Johns-Manville Co., New York, N. Y. Spark-plugs. No. 90,024; Jan. 28; Gaz. vol. 186; p. 982.
- Haarer & Sons, Ann Arbor, Mich. Salves and ointments. No. 94,446; Dec. 9; Gaz. vol. 197; p. 528.
- Haas Brothers, New York, N. Y. Woolen piece goods. No. 93,349; Sept. 9; Gaz. vol. 194; p. 546.
- Haas Brothers, New York, N. Y. Light-weight silk crape. No. 94,727; Dec. 30; Gaz. vol. 197; p. 1287.
- Haas-Lieber Grocery Company, St. Louis, Mo. Certain named foods. No. 93,439; Sept. 16; Gaz. vol. 194; p. 740.
- Haas & Sons, Geo., San Francisco, Cal. Candy. No. 93,530; Sept. 23; Gaz. vol. 194; p. 947.
- Haessler, August, Brooklyn, N. Y. Cold-cream. No. 91,205; Apr. 22; Gaz. vol. 189; p. 1026.
- Hackney Manufacturing Company, St. Paul, Minn. Autoplovs. No. 92,671; July 22; Gaz. vol. 192; p. 984.
- Hadley Mills, South Hadley Falls, Mass. Cotton and woolen piece goods. No. 93,175; Aug. 26; Gaz. vol. 193; p. 1012.
- Haefner, Carl, Washington, Pa. Remedy for gall-stones. No. 93,633; Oct. 7; Gaz. vol. 195; p. 271.
- Haefner, Carl, Washington, Pa. Remedy for the treatment of Bright's disease and diabetes. No. 93,716; Oct. 14; Gaz. vol. 195; p. 535.
- Haeger, Herman H., Chicago, Ill. Coupon-books. No. 93,091; Aug. 19; Gaz. vol. 193; p. 750.
- Haeseler, Charles H., Philadelphia, Pa. Sanitary napkin. No. 94,080; Nov. 4; Gaz. vol. 196; p. 270.
- Hahn, L. W., Kansas City, Mo. Baking-powder. No. 94,786; Dec. 30; Gaz. vol. 197; p. 1289.
- Haigh, Joseph, Muskogee, Okla. Preparation for the treatment of the hair and scalp. No. 93,350; Sept. 9; Gaz. vol. 194; p. 546.
- Halcomb Steel Company, Syracuse, N. Y. Steel. No. 91,865; June 3; Gaz. vol. 191; p. 288.
- Halcomb Steel Company, Syracuse, N. Y. Tool-steel. No. 93,847; Oct. 21; Gaz. vol. 195; p. 812.
- Hale-Halsell Grocery Co., McAlester, Muskogee, Colgate, and Durant, Okla. Canned goods. No. 93,531; Sept. 23; Gaz. vol. 194; p. 947.
- Haley, Ernest A., Cleveland, Ohio. Leather shoes. No. 91,480; May 6; Gaz. vol. 190; p. 260.
- Haley-Hammond Company, The, Jersey City, N. J., and New York, N. Y. Tanning materials. No. 91,866; June 3; Gaz. vol. 191; p. 288.
- Hall-Borchert Dress Form Co., New York, N. Y. Dress-forms. No. 90,883; Apr. 1; Gaz. vol. 189; p. 247.
- Hall Concrete-Products Company, Inc., Grassland and Philadelphia, Pa. Certain named construction materials made of artificial stone. No. 90,699; Mar. 18; Gaz. vol. 188; p. 804.
- Hall, Hartwell & Co., Troy, N. Y. Shirts, collars, and cuffs. No. 91,087; Apr. 15; Gaz. vol. 189; p. 775.
- Hall & Ruckel, New York, N. Y. Candy. No. 90,015; Jan. 28; Gaz. vol. 186; p. 982.
- Hall & Ruckel, New York, N. Y. Shaving-cream. No. 90,113; Feb. 4; Gaz. vol. 187; p. 228.
- Hall & Ruckel, New York, N. Y. Tooth-brushes. No. 93,351; Sept. 9; Gaz. vol. 194; p. 546.
- Hall & Ruckel, New York, N. Y. After-dinner confection. No. 94,178; Nov. 11; Gaz. vol. 196; p. 522.
- Hall-Van Gorder Co., The, Cleveland, Ohio. Certain named toilet preparations. No. 93,239; Aug. 26; Gaz. vol. 193; p. 1013.
- Hallet & Davis Piano Co., Boston, Mass. Perforated music-rolls. No. 91,867; June 3; Gaz. vol. 191; p. 288.
- Halleyton, I. N., New York, N. Y. Astrological pamphlets, charts, and almanacs. No. 91,575; May 13; Gaz. vol. 190; p. 544.
- Hallock, Arthur J., Speonk, N. Y. Duck. No. 90,016; Jan. 28; Gaz. vol. 186; p. 982.
- Haltmar, Adolph, San Saba, Tex. Yeast. No. 90,884; Apr. 1; Gaz. vol. 189; p. 247.
- Ham, John I., Flatwoods, Tenn. Remedy for certain named diseases. No. 93,440; Sept. 16; Gaz. vol. 194; p. 740.
- Hamberger, George J., Newark, N. J. Fire-extinguishers. No. 90,415; Feb. 25; Gaz. vol. 187; p. 1111.
- Hamby, Scott B., Detroit, Mich. Laxative cathartic and diuretic. No. 94,371; Dec. 2; Gaz. vol. 197; p. 236.
- Hamburg-Amerikanische Uhrenfabrik, Schramberg, Germany. Clocks and parts thereof. No. 92,551; July 15; Gaz. vol. 192; p. 738.
- Hamilton & Haile, Winters, Cal. Salve. No. 93,989; Oct. 28; Gaz. vol. 195; p. 1046.
- Hamlan, Thomas A., Nogales, Ariz. Laxative tonic. No. 92,771; July 29; Gaz. vol. 192; p. 1255.
- Hammond-Homberger Co., Silver Creek, N. Y. Silk bolting-cloth. No. 90,017; Jan. 28; Gaz. vol. 186; p. 982.
- Hammond Knitting Co., Hammond, Ind. Knitted gloves, mittens, sweater-coats, &c. No. 92,770; July 29; Gaz. vol. 192; p. 1255.
- Hammond, Robert O., Amityville, assignor to E. P. Foster, New York, N. Y. Paper drinking-cups. No. 90,636; Mar. 11; Gaz. vol. 188; p. 509.
- Hammond, Standish & Co., Detroit, Mich. Butter. No. 90,200; Feb. 11; Gaz. vol. 187; p. 508.
- Hammond, Standish & Co., Detroit, Mich. Lard, hams, bacon, cheese, &c. No. 91,481; May 6; Gaz. vol. 190; p. 260.
- Hammond, Standish & Co., Detroit, Mich. Lard substitute. No. 92,978; Aug. 12; Gaz. vol. 193; p. 504.
- Hammond, Standish & Co., Detroit, Mich. Lard, hams, bacon, dried beef, &c. No. 94,633; Dec. 23; Gaz. vol. 197; p. 993.
- Hampoian, Hovnan A., Lynn, Mass. Remedy for piles. No. 93,352; Sept. 9; Gaz. vol. 194; p. 546.
- Hampton Guano Company, Norfolk, Va. Fertilizers. Nos. 90,807-8; Mar. 25; Gaz. vol. 188; p. 1048.
- Hampton Guano Company, Norfolk, Va. Fertilizers. No. 91,206; Apr. 22; Gaz. vol. 189; p. 1026.
- Hance Brothers & White, Philadelphia, Pa. Troches. No. 93,353; Sept. 9; Gaz. vol. 194; p. 546.
- Handy, Herbert L., Springfield, Mass. Certain named foods. No. 93,441; Sept. 16; Gaz. vol. 194; p. 740.
- Hannoversche Steinbohlzfabrik "Fama" Gesellschaft mit beschränkter Haftung, Hanover, Germany. Artificial wood. No. 94,372; Dec. 2; Gaz. vol. 197; p. 236.
- Hanover Vulcanite Co., New York, N. Y. Rubber combs. No. 92,422; July 8; Gaz. vol. 192; p. 512.
- Hanover Vulcanite Co., New York, N. Y. Certain named hard-rubber combs. No. 94,081; Nov. 4; Gaz. vol. 196; p. 270.
- Hans Renold, Limited, Manchester, England. Driving-chains and sprocket-wheels for vehicles. No. 91,695; May 20; Gaz. vol. 190; p. 789.
- Hans Renold, Limited, Manchester, England. Mortise-chains, guide-bars, &c. No. 92,366; July 1; Gaz. vol. 192; p. 212.
- Hanson-Jenks Company, New York, N. Y. Perfume, toilet water, sachet and talcum powder. No. 89,746; Jan. 7; Gaz. vol. 186; p. 285.
- Hardeman, Benjamin F., New Orleans, La. Syrup to be used with carbonated water as a beverage. No. 91,088; Apr. 15; Gaz. vol. 189; p. 776.
- Hardman, Peck & Co., New York, N. Y. Piano-players. No. 90,637; Mar. 11; Gaz. vol. 188; p. 509.
- Hardtmuth, L. & C., Vienna and Budweis, Austria-Hungary. Fountain-pens and nibs therefor. No. 93,442; Sept. 16; Gaz. vol. 194; p. 740.
- Hardwood Manufacturers Association of the United States, The, Cincinnati, Ohio. Quarterly publication. No. 92,211; June 24; Gaz. vol. 191; p. 1062.
- Hargreaves Merc. Co., Lincoln, Nebr. Certain named foods. No. 90,434; Feb. 25; Gaz. vol. 187; p. 1112.
- Harlem Chemical Co., The, New York, N. Y. Insect-extermimators. No. 94,554; Dec. 16; Gaz. vol. 197; p. 777.
- Harley-Davidson Motor Co., Milwaukee, Wis. Motor-cycles. No. 90,201; Feb. 11; Gaz. vol. 187; p. 508.
- Harley-Davidson Motor Co., Milwaukee, Wis. Motor-cycles. No. 93,504; Sept. 16; Gaz. vol. 194; p. 742.
- Harr, Dean, Ardmore, Okla. Lotion for skin diseases. No. 92,552; July 15; Gaz. vol. 192; p. 738.
- Harrington, Edwin I., Yonkers, N. Y. Culture of lactic bacilli. No. 90,535; Mar. 4; Gaz. vol. 188; p. 238.
- Harris, Abraham W., Providence, R. I. Lubricating-oils. No. 91,829; June 3; Gaz. vol. 191; p. 287.

- Harris, Benjamin E., Chicago, Ill. Vacuum-cleaners and carpet-sweepers. No. 94,373; Dec. 2; Gaz. vol. 197; p. 236.
- Harris, Herman, Hartford, Conn. Cleaning compound for certain named surfaces. No. 91,207; Apr. 22; Gaz. vol. 189; p. 1026.
- Harris-Lipsitz Co., Dallas, Tex., and New York, N. Y. Trousers. No. 90,326; Feb. 18; Gaz. vol. 187; p. 824.
- Harris-Lipsitz Co., Dallas, Tex., and New York, N. Y. Children's rompers. No. 90,885; Apr. 1; Gaz. vol. 189; p. 247.
- Harris & Pollard Dehydrated Products Co., The, New York, N. Y., assignor to General Dehydrator Company. Food beverage. No. 93,240; Aug. 26; Gaz. vol. 193; p. 1013.
- Harris, Tracy H., New York, N. Y. Medicinal preparation for the digestion. No. 93,990; Oct. 28; Gaz. vol. 195; p. 1046.
- Harrison, John W., Richmond, Va. Peanut-butter and coffee. No. 90,436; Feb. 25; Gaz. vol. 187; p. 1112.
- Harriss, John A., New York, N. Y. Complexion tint. No. 91,208; Apr. 22; Gaz. vol. 189; p. 1026.
- Harriss, John A., New York, N. Y. Remedy for constipation, and liver diseases, and eye-lotion. No. 91,209; Apr. 22; Gaz. vol. 189; p. 1026.
- Harriss, John A., New York, N. Y. Non-alcoholic beverage. No. 91,339; Apr. 29; Gaz. vol. 189; p. 1276.
- Harry Vissering & Company, Louisville, Ky., and Chicago, Ill. Castings and forgings for certain named uses. No. 91,622; May 13; Gaz. vol. 190; p. 545.
- Harry Vissering & Company, Louisville, Ky., and Chicago, Ill. Brake-staff supports and brake-steps. No. 92,486; July 8; Gaz. vol. 192; p. 514.
- Harry Vissering & Company, Louisville, Ky., and Chicago, Ill. Grab-irons, angle-cock holders, door-hangers, &c. No. 92,604; July 15; Gaz. vol. 192; p. 746.
- Hart & Bro., B., San Francisco, Cal. Cotton and silk piece goods. No. 93,092; Aug. 19; Gaz. vol. 193; p. 750.
- Hart, Joseph A., Rocky Ford, Colo. Cantaloups. No. 90,327; Feb. 18; Gaz. vol. 187; p. 824.
- Harter, Edward J., Tiffin, Ohio. Candy. No. 92,979; Aug. 12; Gaz. vol. 193; p. 504.
- Hartley, Arthur, Emsworth, England. Food for animals and poultry. No. 92,980; Aug. 12; Gaz. vol. 193; p. 504.
- Hartmann & Co., Rochester, N. Y. Evaporated apples. No. 92,772; July 29; Gaz. vol. 192; p. 1255.
- Hartogensis, Samuel A., New York, N. Y. Collar-buttons. No. 90,988; Apr. 8; Gaz. vol. 189; p. 518.
- Hartstein, Iersel, Houston, Tex. Liniments. No. 92,073; June 17; Gaz. vol. 191; p. 826.
- Harvard Brewing Company, Lowell, Mass. Beer, lager-beer, ale, and porter. No. 92,336; July 1; Gaz. vol. 192; p. 211.
- Harvey, W. Ewing, assignor to Corkran, Hill & Co., Baltimore, Md. Cheese. No. 93,991; Oct. 28; Gaz. vol. 195; p. 1046.
- Hassinger, Egon, Paris, France. Tracing-paper and tracing-cloth. No. 93,717; Oct. 14; Gaz. vol. 195; p. 535.
- Hassinger, Egon, Paris, France. Carbon-paper. No. 94,179; Nov. 11; Gaz. vol. 196; p. 522.
- Hat Manufacturers Supply Co., Ltd., The, Chestergate, Stockport, England. Hats and caps. No. 90,328; Feb. 18; Gaz. vol. 187; p. 824.
- Hauschild, Max, Hohenfichte, Germany. Knitting-yarns, crochet cotton and yarns. No. 92,212; June 24; Gaz. vol. 191; p. 1062.
- Havana Cigar & Tobacco Factories, Ltd., New York, N. Y., and Habana, Cuba. Cigars. No. 92,892; Aug. 5; Gaz. vol. 193; p. 216.
- Havens, Arthur E., Chicago, Ill. Oats and corn for seedling purposes. No. 93,718; Oct. 14; Gaz. vol. 195; p. 535.
- Havens and Geddes Company, Indianapolis, Ind. Negligée shirts. No. 94,634; Dec. 23; Gaz. vol. 197; p. 993.
- Haws, George A., New York, N. Y. Lubricating oils and greases. No. 90,329; Feb. 18; Gaz. vol. 187; p. 824.
- Hawthorne Manufacturing Company, Incorporated, The, Bridgeport, Conn. Electric lamps. No. 92,213; June 24; Gaz. vol. 191; p. 1062.
- Haydon, John H., New York, N. Y. Toilet cream. No. 93,176; Aug. 26; Gaz. vol. 193; p. 1012.
- Haynes-Langenberg Manufacturing Company, St. Louis, Mo. Furnaces. No. 91,869; June 3; Gaz. vol. 191; p. 288.
- Hays, Robert A., Paducah, Ky. Liniment. No. 90,701; Mar. 18; Gaz. vol. 188; p. 804.
- Hazard, George E., Rochester, N. Y. Preparation for making chocolate drink. No. 90,202; Feb. 11; Gaz. vol. 187; p. 508.
- Hazen Brown Company, Brockton and Boston, Mass. Adhesive cement. No. 90,638; Mar. 11; Gaz. vol. 188; p. 509.
- Head, Wrightson & Co., Limited, Thornaby-on-Tees, England. Machinery for washing coal, coke, &c. No. 91,089; Apr. 15; Gaz. vol. 189; p. 776.
- Healy, Frank, New York, N. Y. Laxative tablet. No. 91,870; June 3; Gaz. vol. 191; p. 288.
- Hearth & Co., James, Leicester, England. Certain named articles of clothing. No. 90,989; Apr. 8; Gaz. vol. 189; p. 518.
- Heath & Milligan Mfg. Co., Chicago, Ill. Green paste paint. No. 92,981; Aug. 12; Gaz. vol. 193; p. 504.
- Heathcoat & Co., John, Tiverton and London, England. Nets and veillings. No. 89,747; Jan. 7; Gaz. vol. 186; p. 285.
- Hebe's Boudoir Corporation, Minneapolis, Minn. Tooth-paste, powders, face-creams, and perfumery. No. 94,374; Dec. 2; Gaz. vol. 197; p. 236.
- Hecht, Mendes H., Baltimore, Md. Preparation for increasing the wearing properties of fabrics. No. 93,634; Oct. 7; Gaz. vol. 195; p. 271.
- Hecker-Jones-Jewell Milling Company, New York, N. Y. Wheat-flour. No. 90,203; Feb. 11; Gaz. vol. 187; p. 508.
- Hecker-Jones-Jewell Milling Company, New York, N. Y. Wheat-flour. No. 94,375; Dec. 2; Gaz. vol. 197; p. 236.
- Heco Envelope & Paper Company, Chicago, Ill. Paper towels and toilet-paper. No. 94,376; Dec. 2; Gaz. vol. 197; p. 236.
- Heekin Spice Company, The, Cincinnati, Ohio. Tea. No. 89,840; Jan. 14; Gaz. vol. 186; p. 552.
- Heekin Spice Company, The, Cincinnati, Ohio. Baking-powder. No. 91,483; May 6; Gaz. vol. 190; p. 260.
- Heekin Spice Company, The, Cincinnati, Ohio. Flavoring extracts, tea, and coffee. No. 91,662; May 20; Gaz. vol. 190; p. 788.
- Hefferline, John W., Dayton, Ohio. Hair tonic and restorer. No. 89,921; Jan. 21; Gaz. vol. 186; p. 793.
- Heide, Henry, New York, N. Y. Candy. No. 92,794; July 29; Gaz. vol. 192; p. 1256.
- Heidelberger Gelatine-Fabrik Stoess & Co., Ziegelhausen, near Heidelberg, Germany. Gelatin. No. 91,090; Apr. 15; Gaz. vol. 189; p. 776.
- Heidelberger Gelatine-Fabrik Stoess & Co., Ziegelhausen, near Heidelberg, Germany. Gelatin. No. 92,215; June 24; Gaz. vol. 191; p. 1062.
- Heinig, Curt H., Cassel, Germany. Chicories, certain grain, and ground fruits roasted for a food drink. No. 94,635; Dec. 23; Gaz. vol. 197; p. 993.
- Heinzkill, John, Appleton, Wis. Caustic soda. No. 93,443; Sept. 16; Gaz. vol. 194; p. 740.
- Heller & Long, New York, N. Y. Handkerchiefs. No. 93,093; Aug. 19; Gaz. vol. 193; p. 750.
- Heller & Long, New York, N. Y. Handkerchiefs. No. 94,728; Dec. 30; Gaz. vol. 197; p. 1287.
- Heller & Son, L., New York, N. Y. Pearls. No. 90,809; Mar. 25; Gaz. vol. 188; p. 1048.
- Heller & Son, L., New York, N. Y. Synthetic gems and precious stones. No. 92,424; July 8; Gaz. vol. 192; p. 512.
- Heller & Son, L., New York, N. Y. Synthetic sapphires. No. 93,720; Oct. 14; Gaz. vol. 195; p. 535.
- Helmet Company, The, Cincinnati, Ohio. Chewing-gum. No. 90,991; Apr. 8; Gaz. vol. 189; p. 518.
- Helvetia Silk Mill, Paterson, N. J., and New York, N. Y. Silk ribbons. No. 92,074; June 17; Gaz. vol. 191; p. 826.
- Hemmerdinger & Co., L., New York, N. Y. Gold paints. No. 91,691; Apr. 15; Gaz. vol. 189; p. 776.
- Hemmeter Cigar Company, Detroit, Mich. Cigars. No. 91,484; May 6; Gaz. vol. 190; p. 260.
- Henckels, J. A., Solingen, Germany. Certain named cutlery and machinery. No. 94,180; Nov. 11; Gaz. vol. 196; p. 522.
- Henderson & Co., William, Bristol, Pa. Rugs. No. 90,536; Mar. 4; Gaz. vol. 188; p. 238.
- Henricks Novelty Co., Indianapolis, Ind. Magnetos. No. 90,702; Mar. 18; Gaz. vol. 188; p. 804.
- Henry A. Dix & Sons Company, New York, N. Y. Dresses adapted for nurses and housemaids. No. 90,872; Apr. 1; Gaz. vol. 189; p. 247.
- Henry C. Kelley Company, New York, N. Y. Cords, twines, ropes, and lines. No. 91,971; June 10; Gaz. vol. 191; p. 582.
- Henry C. Kelley Company, New York, N. Y. Cords, twines, ropes, and lines. Nos. 92,560-1; July 15; Gaz. vol. 192; p. 739.
- Henry C. Kelley Company, New York, N. Y. Cords, twines, ropes, and lines. No. 93,184; Aug. 26; Gaz. vol. 193; p. 1012.
- Henry C. Kelley Company, New York, N. Y. Cords, twines, ropes, and lines. No. 93,362; Sept. 9; Gaz. vol. 194; p. 546.
- Henry Disston & Sons Incorporated, Philadelphia, Pa. Certain named measuring instruments. No. 90,000; Jan. 28; Gaz. vol. 186; p. 982.
- Henry Disston & Sons Incorporated, Philadelphia, Pa. Steel sheets, bars, and forgings. No. 90,100; Feb. 4; Gaz. vol. 187; p. 227.
- Henry Disston & Sons Incorporated, Philadelphia, Pa. Certain named tools. No. 90,101; Feb. 4; Gaz. vol. 187; p. 227.
- Henry Disston & Sons Incorporated, Philadelphia, Pa. Steel sheets, bars, and forgings. No. 90,303; Feb. 18; Gaz. vol. 187; p. 823.
- Henry Disston & Sons Incorporated, Philadelphia, Pa. Saws. No. 94,719; Dec. 30; Gaz. vol. 197; p. 1287.

Alphabetical list of registrants of trade-marks—Continued.

- Henry E. Frankenberg Company, New York, N. Y. Certain named knitted, netted, and textile fabrics. No. 91,654; May 20; Gaz. vol. 190; p. 787.
- Henry E. Frankenberg Company, New York, N. Y. Receptacles made of certain named materials. No. 93,345; Sept. 9; Gaz. vol. 194; p. 545.
- Henry Elias Brewing Company, New York, N. Y. Beer. No. 93,086; Aug. 19; Gaz. vol. 193; p. 749.
- Henry Heath, Limited, London, England. Hats and caps. No. 92,423; July 8; Gaz. vol. 192; p. 512.
- Henry Heath, Limited, London, England. Hats. No. 92,773; July 29; Gaz. vol. 192; p. 1255.
- Henry Horner & Co., Chicago, Ill. Certain named foods. No. 91,094; Apr. 15; Gaz. vol. 189; p. 776.
- Henry Likly & Company, Rochester, N. Y. Trunks, traveling-bags, suitcases, &c. No. 93,366; Sept. 9; Gaz. vol. 194; p. 546.
- Henry Maillard, New York, N. Y. Chocolate. No. 90,032; Jan. 28; Gaz. vol. 186; p. 982.
- Henry & S. G. Lindeman, New York, N. Y. Pianos and attachments thereto. No. 92,241; June 24; Gaz. vol. 191; p. 1063.
- Henry Thayer & Company, Cambridgeport, Mass. Certain chemicals, medicines, and pharmaceutical preparations. No. 92,740; July 22; Gaz. vol. 192; p. 986.
- Hensel & Schumann, Berlin, Germany. Tassels, trimmings, scarfs, sashes, and cords. No. 92,553; July 15; Gaz. vol. 192; p. 738.
- Hercules Powder Company, Wilmington, Del. Smokeless powder. No. 93,598; Sept. 30; Gaz. vol. 194; p. 1137.
- Hercules Rubber Company, New York, N. Y. Fabric for vehicle-tops. No. 94,524; Dec. 9; Gaz. vol. 197; p. 530.
- Herfort, Frank, Baraboo, Wis. Canned vegetables. No. 92,795; July 29; Gaz. vol. 192; p. 1256.
- Herman, Jacob A., New York, N. Y. Dresses, undershirts, and petticoats. No. 90,887; Apr. 1; Gaz. vol. 189; p. 247.
- Hermes, Emil, Merscheid, near Solingen, Germany. Certain cutlery, tools, needles, and razors. No. 93,177; Aug. 26; Gaz. vol. 193; p. 1012.
- Hermes, William H., Denver, Colo. Olive-oil. No. 92,337; July 1; Gaz. vol. 192; p. 212.
- Hermesdorf, Gottfried, Chemnitz, Germany. Hosiery. No. 92,216; June 24; Gaz. vol. 191; p. 1062.
- Herrick, Mary M., Sharps, Fla. Fresh and preserved oranges, grape-fruit, and tangerines. No. 89,841; Jan. 14; Gaz. vol. 186; p. 552.
- Herring, Herbert L., Atlanta, Ga. Certain non-alcoholic beverages. No. 92,982; Aug. 12; Gaz. vol. 193; p. 504.
- Herrmann & Co., Morris, New York, N. Y. Insecticides. No. 90,114; Feb. 4; Gaz. vol. 187; p. 228.
- Herrmann & Co., Morris, New York, N. Y. Insecticides. No. 90,232; Feb. 11; Gaz. vol. 187; p. 509.
- Herschel, Karl, Halle-on-the-Saale, Germany. Remedy for running of the nose. No. 92,983; Aug. 12; Gaz. vol. 193; p. 504.
- Herz, Alexander, New York, N. Y. Toothpicks. No. 94,082; Nov. 4; Gaz. vol. 196; p. 270.
- Herzog Art Furniture Company, Saginaw, Mich. Certain named furniture. No. 90,703; Mar. 18; Gaz. vol. 188; p. 804.
- Hess, Albert, Frankfort-on-the-Main, Germany. Boxes. No. 92,425; July 8; Gaz. vol. 192; p. 512.
- Hewitt Sales Co., The, Detroit, Mich. Babbitt metals. No. 89,922; Jan. 21; Gaz. vol. 186; p. 793.
- Hibbard, Spencer, Bartlett & Co., Chicago, Ill. Lubricating-oils and graphite axle-grease. No. 91,092; Apr. 15; Gaz. vol. 189; p. 776.
- Hibbard, Spencer, Bartlett & Co., Chicago, Ill. Certain cutlery, machinery, and tools. No. 91,093; Apr. 15; Gaz. vol. 189; p. 776.
- Hibbard, Spencer, Bartlett & Co., Chicago, Ill. Certain cutlery, machines, and tools. No. 91,340; Apr. 29; Gaz. vol. 189; p. 1276.
- Hibbard, Spencer, Bartlett & Co., Chicago, Ill. Ranges, stoves, base-burners, &c. No. 91,576; May 13; Gaz. vol. 190; p. 544.
- High Frequency Ignition Coil Company, The, Los Angeles, Cal. Magnetos and ignition-distributors. No. 91,341; Apr. 29; Gaz. vol. 189; p. 1276.
- Highland Cigar Company, Columbus, Ohio. Cigars and stogies. No. 93,721; Oct. 14; Gaz. vol. 195; p. 535.
- Highland Pharmaceutical Co., Rochester, N. Y. Ointment, face-cream, massage-cream, &c. No. 91,663; May 20; Gaz. vol. 190; p. 788.
- Higley, Christina J., New York, N. Y. Hose-supporters. No. 94,636; Dec. 23; Gaz. vol. 197; p. 993.
- Hilker Wiechers Manf. Co., Racine, Wis. Work shirts, coats, and overalls. No. 90,331; Feb. 18; Gaz. vol. 187; p. 824.
- Hill, Elmer W., Portland, Oreg. Valve-grinding paste. No. 94,447; Dec. 9; Gaz. vol. 197; p. 528.
- Hill & Griffith Co., Cincinnati, Ohio. Chaplets. No. 90,888; Apr. 1; Gaz. vol. 189; p. 247.
- Hill & Griffith Company, Cincinnati, Ohio. Core compound. No. 92,672; July 22; Gaz. vol. 192; p. 984.
- Hills, William, Jr., New York, N. Y. Currants. No. 90,438; Feb. 25; Gaz. vol. 187; p. 1112.
- Hinton, Columbus J., Elizabeth City, N. C. Remedy for indigestion. No. 91,664; May 20; Gaz. vol. 190; p. 788.
- Hipolite, Walter H., St. Louis, Mo. Preparation for the production of certain named foods. No. 91,871; June 3; Gaz. vol. 191; p. 288.
- Hipp, Didisheim & Bro., New York, N. Y. Watches and watchcases. No. 92,796; July 29; Gaz. vol. 192; p. 1256.
- Hirsch Brothers, Milwaukee, Wis. Grain-separators, fanning-mills, and grain-cleaning machines. No. 94,448; Dec. 9; Gaz. vol. 197; p. 528.
- Hirsch, Carl, Hoboken, N. J., and New York, N. Y. Smokers' pipes. No. 91,342; Apr. 29; Gaz. vol. 189; p. 1276.
- Hirschy, Ernst D., Kewanee, Ill. Certain pharmaceutical preparations. No. 93,354; Sept. 9; Gaz. vol. 194; p. 546.
- Hirsh, Julius, Philadelphia, Pa. Knitted union suits and drawers. No. 92,673; July 22; Gaz. vol. 192; p. 984.
- Hirsh, William V., New York, N. Y. Coffee. No. 90,639; Mar. 11; Gaz. vol. 188; p. 509.
- Hobart Electric Mfg. Co., The, Troy, Ohio. Electric coffee-mills, meat-choppers, bone-grinders, &c. No. 92,217; June 24; Gaz. vol. 191; p. 1063.
- Hochstetter, Frederick W., assignor to H. P. Patents and Processes Company, Inc., New York, N. Y. Moving-picture machines, cameras, kodaks, and photographic films. Nos. 94,729-30; Dec. 30; Gaz. vol. 197; p. 1287.
- Hodges Fiber Carpet Company, Indian Orchard, Mass., and New York, N. Y. Woven fabrics composed of paper threads. No. 89,748; Jan. 7; Gaz. vol. 186; p. 285.
- Hodges, Henry G., Reading, Pa. Hosiery. No. 90,204; Feb. 11; Gaz. vol. 187; p. 508.
- Hodgson, Ernest F., Dover, Mass. Portable houses. No. 91,872; June 3; Gaz. vol. 191; p. 288.
- Hoeffler, John, Cleveland, Ohio. Ointment. No. 92,984; Aug. 12; Gaz. vol. 193; p. 504.
- Hoehle & Johnson Company, Boston, Mass. Candy. No. 90,205; Feb. 11; Gaz. vol. 187; p. 508.
- Hoffman, Abe L., Brainerd, Minn. Liquid for plating brass and copper articles. No. 92,985; Aug. 12; Gaz. vol. 193; p. 504.
- Hoffmann, Charles, New Britain, Conn. Bread. No. 93,848; Oct. 21; Gaz. vol. 195; p. 812.
- Hoffmann-La Roche Chemical Works, New York, N. Y. Bromin compound. No. 91,343; Apr. 29; Gaz. vol. 189; p. 1276.
- Hoffmann-La Roche Chemical Works, The, New York, N. Y. Bromin compound. No. 91,769; May 27; Gaz. vol. 190; p. 1024.
- Hoffmann-La Roche Chemical Works, The, New York, N. Y. Soap solution of cresole. No. 92,797; July 29; Gaz. vol. 192; p. 1256.
- Hoffmann-La Roche Chemical Works, The, New York, N. Y. Casein calcium. No. 94,282; Nov. 25; Gaz. vol. 196; p. 1047.
- Hogan Envelope Company, Chicago, Ill., assignor to Heco Paper Company. Envelopes and writing-paper. No. 93,993; Oct. 28; Gaz. vol. 195; p. 1046.
- Hohlfeld, Herman L., Philadelphia, Pa. Certain named hammocks. Nos. 89,749-50; Jan. 7; Gaz. vol. 186; p. 285.
- Hohlfeld, Herman L., Philadelphia, Pa. Hammocks. No. 90,704; Mar. 18; Gaz. vol. 188; p. 804.
- Hohlfeld, Herman L., Philadelphia, Pa. Hammocks. No. 91,210; Apr. 22; Gaz. vol. 189; p. 1026.
- Hohner, M., New York, N. Y. Harmonicas. No. 89,846; Jan. 14; Gaz. vol. 186; p. 552.
- Holbrook Mfg. Co., The, Jersey City, N. J. Soap powder. No. 94,449; Dec. 9; Gaz. vol. 197; p. 528.
- Holbrook Raw Hide Company, Providence, R. I. Loom-pickers. No. 90,332; Feb. 18; Gaz. vol. 187; p. 824.
- Holeproof Hosiery Co., Milwaukee, Wis. Hosiery. No. 91,344; Apr. 29; Gaz. vol. 189; p. 1276.
- Holland Cookie Company, Chicago, Ill. Cookies, cakes, and crackers. No. 92,554; July 15; Gaz. vol. 192; p. 738.
- Holland Rusk Co., Holland, Mich. Zwieback and cookies. Nos. 93,849-50; Oct. 21; Gaz. vol. 195; p. 812.
- Hollingsworth & Whitney Company, Boston, Mass. Writing and wrapping paper. Nos. 89,847-8; Jan. 14; Gaz. vol. 186; p. 552.
- Holophane Glass Company, New York, N. Y. Glass reflectors and shades. No. 94,181; Nov. 11; Gaz. vol. 196; p. 522.
- Holston Manufacturing Company, Lenoir and Knoxville, Tenn. Hosiery. No. 90,705; Mar. 18; Gaz. vol. 188; p. 804.
- Holt & Company, New York, N. Y. Wheat-flour. No. 91,873; June 3; Gaz. vol. 191; p. 288.
- Holt, De Witt, Philadelphia, Pa. Corrugated paper in certain forms. No. 92,218; June 24; Gaz. vol. 191; p. 1063.
- Holtzer-Cabot Electric Company, The, Brookline, Mass. Electric horns. No. 93,094; Aug. 19; Gaz. vol. 193; p. 750.
- Homborg, Felix, Barmen, Germany. Snap buttons and clasps. No. 91,577; May 13; Gaz. vol. 190; p. 544.
- Home Mill & Grain Co., Mount Vernon, Ind. Wheat-flour. No. 91,770; May 27; Gaz. vol. 190; p. 1024.

- Home Pattern Company, New York, N. Y. Periodically-published magazine. No. 91,486; May 6; Gaz. vol. 190; p. 260.
- Hon Kano Shoten, Mikage Town, Japan. Japanese sake. No. 89,752; Jan. 7; Gaz. vol. 186; p. 285.
- Hon Kano Shoten, Mikage Town, Japan. Japanese sake. No. 90,333; Feb. 18; Gaz. vol. 187; p. 824.
- Honeywell, Ira R., New York, N. Y. Soap paste. No. 90,439; Feb. 25; Gaz. vol. 187; p. 1112.
- Hood River Apple Growers' Union, Hood River, Oreg. Fresh apples. No. 90,992; Apr. 8; Gaz. vol. 189; p. 518.
- Hood Rubber Co., Watertown, Mass. Rubber boots, shoes, overshoes, &c. No. 93,853; Oct. 21; Gaz. vol. 195; p. 812.
- Hood Rubber Company, Watertown, Mass. Rubber boots, shoes, overshoes, &c. No. 91,345; Apr. 29; Gaz. vol. 189; p. 1276.
- Hood Rubber Company, Boston, Mass. Rubber boots, shoes, overshoes, &c. No. 91,874; June 3; Gaz. vol. 191; p. 288.
- Hood Rubber Company, Boston, Mass. Rubber boots, shoes, overshoes, &c. No. 91,962; June 10; Gaz. vol. 191; p. 582.
- Hoonah Packing Company, Port Townsend, Wash., and Hoonah, Alaska. Canned salmon. Nos. 90,206-11; Feb. 11; Gaz. vol. 187; p. 508.
- Hoonah Packing Company, Port Townsend, Wash. Canned salmon. No. 93,854; Oct. 21; Gaz. vol. 195; p. 812.
- Hope Company, The, Providence, R. I. Bleached muslin. No. 89,753; Jan. 7; Gaz. vol. 186; p. 285.
- Hoquiam Lumber & Shingle Company, Hoquiam, Wash. Shingles, lumber, and lath. No. 93,532; Sept. 23; Gaz. vol. 194; p. 948.
- Horraz, John E., New York, N. Y. Toilet-pins. No. 90,706; Mar. 18; Gaz. vol. 188; p. 804.
- Horsemobile Toy Company, The, Oshkosh, Wis. Hobby-horses, &c. No. 90,019; Jan. 28; Gaz. vol. 186; p. 982.
- Hostetter Company, The, Pittsburgh, Pa. Stomach-bitters. No. 91,211; Apr. 22; Gaz. vol. 189; p. 1027.
- Hough, Katharin H., Franklin, Pa. Oil-well and deep-well pumps. Nos. 92,555-6; July 15; Gaz. vol. 192; p. 738.
- Howard Bros. Chemical Co., Buffalo, N. Y. Eye-water. No. 93,599; Sept. 30; Gaz. vol. 194; p. 1137.
- Howard, Frank B., Norfolk, Va. Soda-water syrup. No. 92,557; July 15; Gaz. vol. 192; p. 739.
- Howel, C. J., Chicago, Ill. Beverage and syrup for making the same. No. 91,347; Apr. 29; Gaz. vol. 189; p. 1276.
- Hoyer, Isaiah W., Philadelphia, Pa. Synthetic rubber compound. No. 90,642; Mar. 11; Gaz. vol. 188; p. 509.
- Hoynes Safety Powder Co., Cleveland, Ohio. Powders for blasting, &c. No. 94,637; Dec. 23; Gaz. vol. 197; p. 993.
- Hubbard & Smith Co., Grandview, Tenn. Remedy for cancer. No. 92,986; Aug. 12; Gaz. vol. 193; p. 504.
- Hudson's, New York, N. Y. Candy. No. 89,842; Jan. 14; Gaz. vol. 186; p. 552.
- Huenergardt, George H., College View, Nebr. Laundry washing-machines. No. 91,487; May 6; Gaz. vol. 190; p. 260.
- Hughes, George W., Birmingham, England. Steel pens. Nos. 93,600-1; Sept. 30; Gaz. vol. 194; p. 1137.
- Hughes, George W., Birmingham, England. Steel pens. No. 94,379; Dec. 2; Gaz. vol. 197; p. 236.
- Hughes, George W., Birmingham, England. Steel pens. No. 94,640; Dec. 23; Gaz. vol. 197; p. 993.
- Hughes Manfg. Co., Philadelphia, Pa. Cotton thread. No. 93,725; Oct. 14; Gaz. vol. 195; p. 535.
- Hulman & Co., Terre Haute, Ind. Certain named foods. No. 90,890; Apr. 1; Gaz. vol. 189; p. 248.
- Hump Hair Pin Company, Augusta, Me., and Chicago, Ill. Hair-pins. No. 91,875; June 3; Gaz. vol. 191; p. 288.
- Humphrey Taylor & Company Limited, London, England. Gin. No. 92,076; June 17; Gaz. vol. 191; p. 826.
- Humphreys, Cannon and Co., Memphis, Tenn. Coffee and flavoring extracts for food. No. 92,220; June 24; Gaz. vol. 191; p. 1063.
- Humphreys, Cannon & Co., Memphis, Tenn. Coffee and flavoring extracts for foods. No. 92,426; July 8; Gaz. vol. 192; p. 512.
- Humphreys, Cannon & Co., Memphis, Tenn. Baking-powder. No. 92,558; July 15; Gaz. vol. 192; p. 739.
- Hunt, Ernest M., Lowell, Mass. Brushes. No. 89,849; Jan. 14; Gaz. vol. 186; p. 553.
- Hunt, Hatch & Co., San Francisco, Oakland, Lindsay, and Redlands, Cal. Oranges and lemons. No. 90,020; Jan. 28; Gaz. vol. 186; p. 982.
- Hunt-Rankin Leather Company, Boston and Peabody, Mass. Tanned calf-leather. No. 90,021; Jan. 28; Gaz. vol. 186; p. 982.
- Hunten, Paul, Somerset, Colo. Honey. No. 90,212; Feb. 11; Gaz. vol. 187; p. 508.
- Hunter Manufacturing & Commission Co., New York, N. Y. Cotton flannel and outing piece goods. Nos. 91,963-4; June 10; Gaz. vol. 191; p. 582.
- Hunter Milling Company, Wellington, Kans. Wheat-flour. No. 92,077; June 17; Gaz. vol. 191; p. 826.
- Hurd & Co., George B., New York, N. Y. Writing-paper and envelops. No. 90,334; Feb. 18; Gaz. vol. 187; p. 824.
- Hurley Shoe Company, Rockland, Mass. Leather boots and shoes. No. 92,427; July 8; Gaz. vol. 192; p. 512.
- Hurwitt, George J., New York, N. Y. Remedy to reduce fat. No. 92,674; July 22; Gaz. vol. 192; p. 984.
- Husler Milling & Elevator Company, The, Salt Lake City, Utah. Wheat-flour and breakfast cereal. No. 90,335; Feb. 18; Gaz. vol. 187; p. 824.
- Hutchens, A. R., Louise, Miss. Liver remedy. No. 90,707; Mar. 18; Gaz. vol. 188; p. 804.
- Hutchins, Chauncey C., Grand Rapids, Mich. Wall-paper and calcimine remover. No. 90,891; Apr. 1; Gaz. vol. 189; p. 248.
- Hutchison Scott Company, New York, N. Y. Ready-mixed paint. No. 90,538; Mar. 4; Gaz. vol. 188; p. 238.
- Hutchison Scott Company, New York, N. Y. Covering non-conductive of electricity. No. 92,675; July 22; Gaz. vol. 192; p. 984.
- Hutchison Scott Company, New York, N. Y. Certain construction materials. No. 92,798; July 29; Gaz. vol. 192; p. 1256.
- Hutchison Scott Company, New York, N. Y. Certain named construction materials. No. 92,894; Aug. 5; Gaz. vol. 193; p. 216.
- Hutchison Scott Company, New York, N. Y. Certain chemical preparation. No. 93,444; Sept. 16; Gaz. vol. 194; p. 740.
- Hydraulic Press Brick Co., St. Louis, Mo. Brick. No. 91,966; June 10; Gaz. vol. 191; p. 582.
- Hydraulic-Press Brick Company, St. Louis, Mo. Brick. No. 93,602; Sept. 30; Gaz. vol. 194; p. 1137.
- Hydraulic-Press Brick Company, St. Louis, Mo. Brick. No. 94,083; Nov. 4; Gaz. vol. 196; p. 270.
- Hydrox Chemical Co., New York, N. Y. Hydrogen peroxid. No. 93,356; Sept. 9; Gaz. vol. 194; p. 546.
- Hydrox Chemical Company, New York, N. Y. Soap. No. 93,855; Oct. 21; Gaz. vol. 195; p. 812.
- Hygeia Filter Company, Detroit, Mich. Water-filters. Nos. 93,533-4; Sept. 23; Gaz. vol. 194; p. 947.
- Hygeia Filter Company, Detroit, Mich. Water-filters. No. 94,084; Nov. 4; Gaz. vol. 196; p. 270.
- Hygienic Fibre Company, New York, N. Y. Sanitary napkins. No. 92,987; Aug. 12; Gaz. vol. 193; p. 504.
- Hyman & Oppenheim, New York, N. Y. Hair goods. No. 93,274; Sept. 2; Gaz. vol. 194; p. 269.
- Hynard & Meehan, New York, N. Y. Dress and shirt waists and tub or wash dresses. No. 90,117; Feb. 4; Gaz. vol. 187; p. 228.
- Hyra Fan Company, New York, N. Y. Electric fans. No. 90,118; Feb. 4; Gaz. vol. 187; p. 228.
- I Got Him Co., assignor to I-Got Him Company, Boston, Mass. Devices for catching flies. No. 90,026; Jan. 28; Gaz. vol. 186; p. 982.
- I. B. Kleinert Rubber Company, New York, N. Y. Dress-shields. No. 90,220; Feb. 11; Gaz. vol. 187; p. 509.
- I. B. Kleinert Rubber Company, New York, N. Y. Dress-shields. No. 93,732; Oct. 14; Gaz. vol. 195; p. 535.
- I. M. S. Chemical Co., Philadelphia, Pa. Blood-purifier. No. 89,756; Jan. 7; Gaz. vol. 186; p. 285.
- Ica Aktiengesellschaft, Dresden, Germany. Certain named measuring and scientific appliances. No. 92,309; July 1; Gaz. vol. 192; p. 211.
- Idealite Company, The, South Bend, Ind. Certain named construction materials. No. 91,216; Apr. 22; Gaz. vol. 189; p. 1027.
- Illinois Canning Company, The, Hoopeston, Ill. Canned corn. No. 90,022; Jan. 28; Gaz. vol. 186; p. 982.
- Illinois Canning Company, The, Hoopeston, Ill. Canned corn. No. 91,489; May 6; Gaz. vol. 190; p. 260.
- Illinois Canning Company, Hoopeston, Ill. Canned corn. No. 92,799; July 29; Gaz. vol. 192; p. 1256.
- Illinois Iron & Bolt Co., Carpentersville, Ill. Platform-trucks and timber-dollies. No. 90,810; Mar. 25; Gaz. vol. 188; p. 1048.
- Illinois Iron & Bolt Co., Carpentersville, Ill. Anvils. No. 93,095; Aug. 19; Gaz. vol. 193; p. 750.
- Illinois Iron & Bolt Co., Carpentersville, Ill. Tire benders and shrinkers. No. 93,445; Sept. 16; Gaz. vol. 194; p. 740.
- Illinois Iron & Bolt Co., Carpentersville, Ill. Sad-irons, tailors' and pressing irons. No. 94,085; Nov. 4; Gaz. vol. 196; p. 270.
- Illinois-Pacific Glass Company, San Francisco, Cal. Glass bottles and flasks. No. 92,078; June 17; Gaz. vol. 191; p. 826.
- Imbs Milling Company, J. F., St. Louis, Mo., and Belleville, Ill. Wheat-flour. No. 90,993; Apr. 8; Gaz. vol. 189; p. 518.
- Imbs Milling Company, J. F., St. Louis, Mo., and Belleville, Ill. Wheat-flour. No. 92,338; July 1; Gaz. vol. 192; p. 212.
- Imbs Milling Company, J. F., St. Louis, Mo., and Belleville, Ill. Wheat-flour. No. 93,856; Oct. 21; Gaz. vol. 195; p. 812.
- Imperial Car Cleaner Co., Newark, N. J. Renovating liquid for imitation leather. No. 90,213; Feb. 11; Gaz. vol. 187; p. 508.
- Imperial Company, The, Norfolk, Va. Fertilizers. Nos. 90,811-13; Mar. 25; Gaz. vol. 188; p. 1048.
- Imperial Company, Norfolk, Va. Fertilizers. No. 91,217; Apr. 22; Gaz. vol. 189; p. 1027.

Alphabetical list of registrants of trade-marks—Continued.

- Imperial Condensed Milk Company, Seattle, Wash. Condensed milk. No. 92,079; June 17; Gaz. vol. 191; p. 826.
- Imperial Merchandise Co., The, Perry, Ohio. Toilet-paper, writing-paper, and envelops. No. 93,857; Oct. 21; Gaz. vol. 195; p. 812.
- Imperial Merchandise Co., The, Perry, Ohio. Gas-mantles. Nos. 94,450-1; Dec. 9; Gaz. vol. 197; p. 528.
- Imperial Merchandise Co., The, Perry, Ohio. Jar-rings. No. 94,452; Dec. 9; Gaz. vol. 197; p. 528.
- Imperial Mill Company, The, Clarksville, Mo. Wheat-flour. No. 92,559; July 15; Gaz. vol. 192; p. 739.
- Imperial Rubber Co., New York, N. Y. Certain belting, hose, and machinery packing. No. 92,080; June 17; Gaz. vol. 191; p. 826.
- Imperial Soap and Oil Co., Oklahoma, Okla. Soap. No. 93,178; Aug. 26; Gaz. vol. 193; p. 1012.
- Imperial Typewriter Co. Limited, Leicester, England. Type-writers. Nos. 94,642-3; Dec. 23; Gaz. vol. 197; p. 993.
- Impervious Products Company, New York, N. Y. Composition for rendering certain named construction materials waterproof. No. 91,967; June 10; Gaz. vol. 191; p. 582.
- Import Sales Company, Detroit, Mich. Digestive enzymes. No. 91,421; Apr. 29; Gaz. vol. 189; p. 1278.
- Improved Equipment Company, The, New York, N. Y. Furnaces, gas-benches, retorts, &c. No. 91,350; Apr. 29; Gaz. vol. 189; p. 1276.
- Improved Gasoline and Oil Company, Chicago, Ill. Gasoline-improver. No. 90,814; Mar. 25; Gaz. vol. 188; p. 1048.
- Independent Baking Company, Davenport, Iowa. Biscuit, crackers, and wafers. No. 90,214; Feb. 11; Gaz. vol. 187; p. 508.
- Independent Chemical Company, New York, N. Y. Certain chemicals, medicines, and pharmaceutical preparations. No. 93,357; Sept. 9; Gaz. vol. 194; p. 546.
- Independent Products Company, New York, N. Y. Paint, linseed-oil, turpentine, and varnish. No. 90,023; Jan. 28; Gaz. vol. 186; p. 982.
- Independent Products Company, New York, N. Y. Lubricating oil and greases. No. 90,336; Feb. 18; Gaz. vol. 187; p. 824.
- Indian Chemical Co., Warriors Mark, Pa. Ointment. No. 91,665; May 20; Gaz. vol. 190; p. 788.
- Industrial Chemical Company, New York, N. Y. Substitute for lampblack. No. 92,339; July 1; Gaz. vol. 192; p. 212.
- Industrial Cotton Oil Company, Houston, Tex. Fertilizers. No. 92,988; Aug. 12; Gaz. vol. 193; p. 504.
- Inecto Limited, London, England. Preparation for dyeing the hair. No. 93,179; Aug. 26; Gaz. vol. 193; p. 1012.
- Ingersoll Candy Company, San Diego, Cal. Candies. No. 94,285; Nov. 25; Gaz. vol. 196; p. 1047.
- Ingersoll-Rand Company, Phillipsburg, N. J., and New York, N. Y. Rock-drills and riveting and chipping hammers. Nos. 92,340-1; July 1; Gaz. vol. 192; p. 212.
- Ingersoll-Rand Company, Phillipsburg, N. J., and New York, N. Y. Certain turbines, compressors, drills, &c., and repair parts for same. No. 94,644; Dec. 23; Gaz. vol. 197; p. 993.
- Inland Crystal Salt Co., Salt Lake City, Utah. Salt. No. 90,215; Feb. 11; Gaz. vol. 187; p. 508.
- Inland Crystal Salt Co., Salt Lake City, Utah. Salt. No. 92,081; June 17; Gaz. vol. 191; p. 826.
- Inland Steel Company, Chicago, Ill. Sheet-steel. No. 94,380; Dec. 2; Gaz. vol. 197; p. 236.
- Integrity Garment Mfg. Co., New York, N. Y. Dresses and outer garments. No. 90,337; Feb. 18; Gaz. vol. 187; p. 824.
- Inter-Lube Chemical Company, Cleveland, Ohio. Fuel compound for explosive-engines. No. 93,726; Oct. 14; Gaz. vol. 195; p. 535.
- International Coffee Co., Houston, Tex. Coffee. No. 94,286; Nov. 25; Gaz. vol. 196; p. 1047.
- International Druggists' and Chemists' Laboratories, The. (See To-Kalon Manufacturing Company, The, assignor.)
- International Druggists' and Chemists' Laboratories, Inc., The, New York, N. Y. Antacid. No. 92,676; July 22; Gaz. vol. 192; p. 984.
- International Harvester Company of America, Chicago, Ill. Mowing-machine guards. No. 89,923; Jan. 21; Gaz. vol. 186; p. 793.
- International Harvester Company of New Jersey, Chicago, Ill. Guard-plates for mowers. No. 94,453; Dec. 9; Gaz. vol. 197; p. 528.
- International Harvester Corporation, Chicago, Ill. Certain machinery, tools, and parts thereof. No. 93,358; Sept. 9; Gaz. vol. 194; p. 546.
- International Preservation Company, Atlanta, Ga. Egg-preserving compound. No. 89,924; Jan. 21; Gaz. vol. 186; p. 793.
- International Shade Co., Springfield, Mass. Art-glass. No. 92,222; June 24; Gaz. vol. 191; p. 1063.
- International Typesetting Machine Company, New York, N. Y. Type casting, setting, and composing machines. No. 91,876; June 3; Gaz. vol. 191; p. 288.
- Interstate Commerce Co., Inc., Richmond, Va. Certain named medicines and pharmaceutical preparations. No. 89,757; Jan. 7; Gaz. vol. 186; p. 285.
- Interwoven Stocking Company, New Brunswick, N. J. Hosiery. Nos. 93,180-1; Aug. 26; Gaz. vol. 193; p. 1012.
- Interwoven Stocking Company, New Brunswick, N. J. Hosiery. No. 93,359; Sept. 9; Gaz. vol. 194; p. 546.
- Invader Oil Company, Camden, N. J., and New York, N. Y. Lubricating oils and greases. No. 93,275; Sept. 2; Gaz. vol. 194; p. 269.
- Iowa Stock Food Co., Jefferson, Iowa. Veterinary remedies. No. 93,241; Aug. 26; Gaz. vol. 193; p. 1013.
- Ireta Corset Company, Chicago, Ill. Corsets. No. 91,351; Apr. 29; Gaz. vol. 189; p. 1276.
- Irving Iron Works Company, Long Island City, N. Y. Metal gratings. No. 89,850; Jan. 14; Gaz. vol. 186; p. 553.
- Irving Packing Company, Seattle, Wash., and Karheen, Alaska. Canned salmon. Nos. 90,338-9; Feb. 18; Gaz. vol. 187; p. 825.
- Irving Packing Company, Seattle, Wash., and Karheen, Alaska. Canned salmon. No. 90,440; Feb. 25; Gaz. vol. 187; p. 1112.
- Irving Packing Company, Seattle, Wash., and Karheen, Alaska. Canned salmon. No. 90,815; Mar. 25; Gaz. vol. 188; p. 1048.
- Israel, Fred W., Wichita, Kans. Salves and cough-drops. No. 94,381; Dec. 2; Gaz. vol. 197; p. 236.
- Isser Bros. & Kaufman, Philadelphia, Pa. Shaving-cups. No. 90,119; Feb. 4; Gaz. vol. 187; p. 228.
- Italian Musical String Co., New York, N. Y. Gut strings for musical string instruments. No. 94,555; Dec. 16; Gaz. vol. 197; p. 777.
- Italian-Swiss Colony, San Francisco, Cal. Brandy. No. 92,800; July 29; Gaz. vol. 192; p. 1256.
- Izett, Carmichael, New York, N. Y. Pockets for waste materials. No. 91,071; Apr. 15; Gaz. vol. 189; p. 775.
- J. Adler Gilding Co., New York, N. Y. Waterproof filler, varnish, and lacquer. No. 94,536; Dec. 16; Gaz. vol. 197; p. 777.
- J. Henry Koenig Co., The, Cincinnati, Ohio. Coffee. No. 91,881; June 3; Gaz. vol. 191; p. 288.
- J. Langrall & Brother, Inc., Wilmington, Del., and Baltimore, Md. Canned oysters, fruits, and vegetables. No. 92,237; June 24; Gaz. vol. 191; p. 1063.
- J. Langrall & Brother, Inc., Wilmington, Del., and Baltimore, Md. Canned oysters. No. 93,099; Aug. 19; Gaz. vol. 193; p. 750.
- J. Stevens Arms & Tool Co., Chicopee Falls, Mass. Firearms. Nos. 91,391-2; Apr. 29; Gaz. vol. 189; p. 1277.
- J. Wilckes Co., New York, N. Y. Carbon-gas black and lampblack. No. 94,569; Dec. 16; Gaz. vol. 197; p. 778.
- J. Zinsmeister & Sons, Louisville, Ky. Coffee. No. 91,057; Apr. 8; Gaz. vol. 189; p. 520.
- J. A. Folger & Company, Kansas City, Mo. Coffee. Nos. 92,545-7; July 15; Gaz. vol. 192; p. 738.
- J. A. Folger & Company, Kansas City, Mo. Coffee. No. 93,631; Oct. 7; Gaz. vol. 195; p. 271.
- J. A. Folger & Company, Kansas City, Mo. Tea and coffee. No. 93,981; Oct. 28; Gaz. vol. 195; p. 1045.
- J. A. Walter Milling Co., Buffalo, N. Y. Wheat-flour. No. 93,314; Sept. 2; Gaz. vol. 194; p. 271.
- J. C. Ayer Company, Lowell, Mass. Certain medicines and pharmaceutical preparations. No. 91,936; June 10; Gaz. vol. 191; p. 581.
- J. C. Ayer Company, Lowell, Mass. Certain chemicals, medicines, and pharmaceutical preparations. Nos. 92,165-6; June 24; Gaz. vol. 191; p. 1061.
- J. C. Ayer Company, Lowell, Mass. Certain chemicals, medicines, and pharmaceutical preparations. No. 92,619; July 22; Gaz. vol. 192; p. 983.
- J. C. Blair Company, Huntingdon, Pa. Paper. No. 90,156; Feb. 11; Gaz. vol. 187; p. 507.
- J. C. Blair Company, Huntingdon, Pa. Paper, envelops, tablets, and blank books. No. 90,410; Feb. 25; Gaz. vol. 187; p. 1111.
- J. C. Blair Company, Huntingdon, Pa. Envelops, writing, pencil, drawing, and spelling tablets, and blank books. No. 90,623; Mar. 11; Gaz. vol. 188; p. 509.
- J. C. Blair Company, Huntingdon, Pa. Paper, envelops, tablets, and blank books. No. 90,624; Mar. 11; Gaz. vol. 188; p. 509.
- J. C. Blair Company, Huntingdon, Pa. Paper for certain named purposes, tablets, and blank books. No. 90,781; Mar. 25; Gaz. vol. 188; p. 1047.
- J. C. Blair Company, Huntingdon, Pa. Certain named paper and stationery. Nos. 91,551-2; May 13; Gaz. vol. 190; p. 543.
- J. C. Blair Company, Huntingdon, Pa. Paper, envelops, tablets, and blank books. Nos. 92,512-26; July 15; Gaz. vol. 192; pp. 737-8.
- J. C. Blair Company, Huntingdon, Pa. Certain paper and stationery. No. 92,626; July 22; Gaz. vol. 192; p. 983.
- J. C. Blair Company, Huntingdon, Pa. Certain paper and stationery. Nos. 93,065-7; Aug. 19; Gaz. vol. 193; p. 749.

Alphabetical list of registrants of trade-marks—Continued.

- J. C. Blair Company, Huntingdon, Pa. Paper, envelops, and blank books. No. 93,156; Aug. 26; Gaz. vol. 193; p. 1011.
- J. C. Blair Company, Huntingdon, Pa. Paper, envelops, and blank books. No. 93,257; Sept. 2; Gaz. vol. 194; p. 269.
- J. C. Blair Company, Huntingdon, Pa. Certain named paper and stationery. No. 93,420; Sept. 16; Gaz. vol. 194; p. 739.
- J. C. Blair Company, Huntingdon, Pa. Paper, envelops, tablets, and blank books. No. 94,267; Nov. 25; Gaz. vol. 196; p. 1047.
- J. C. Dow & Co., New York, N. Y. Manicure files and buffers, cuticle and corn knives. No. 94,067; Nov. 4; Gaz. vol. 196; p. 269.
- J. & C. Fischer, New York, N. Y. Pianos and player-pianos. No. 94,364; Dec. 2; Gaz. vol. 197; p. 235.
- J. C. Grant Chemical Company, East St. Louis, Ill. Baking-powder. No. 90,111; Feb. 4; Gaz. vol. 187; p. 228.
- J. D. Riedel Aktiengesellschaft, Berlin, Germany. Insect-powder. No. 94,323; Nov. 25; Gaz. vol. 196; p. 1048.
- J. E. Tygert Company, Philadelphia, Pa. Fertilizers. No. 92,845; July 29; Gaz. vol. 192; p. 1257.
- J. E. Tygert Company, Philadelphia, Pa. Fertilizers. No. 93,395; Sept. 9; Gaz. vol. 194; p. 547.
- J. F. Carter Company, Portland, Me., and Beverly, Mass. Oiled clothing. Nos. 94,057-9; Nov. 4; Gaz. vol. 196; p. 269.
- J. F. Hillerich & Son Company, Incorporated, Louisville, Ky. Base-ball bats. No. 93,722; Oct. 14; Gaz. vol. 195; p. 535.
- J. F. Humphreys & Co., Bloomington, Ill. Blended coffee. No. 92,075; June 17; Gaz. vol. 191; p. 826.
- J. F. & W. H. Warren Co., The, Worcester, Mass. Leather belting. No. 91,402; Apr. 29; Gaz. vol. 189; p. 1278.
- J. F. & W. H. Warren Co., Worcester, Mass. Leather belting. No. 91,535; May 6; Gaz. vol. 190; p. 262.
- J. & G. Butler Co., The, Columbus, Ohio. Whisky. No. 94,056; Nov. 4; Gaz. vol. 196; p. 269.
- J. G. Hoffmann & Sons Company, Wheeling, W. Va. Harness-leather. No. 92,893; Aug. 5; Gaz. vol. 193; p. 216.
- J. G. Peppard Seed Co., Kansas City, Mo. Field-seeds. No. 90,374; Feb. 18; Gaz. vol. 187; p. 826.
- J. H. Newbauer & Co., San Francisco, Cal. Canned fruit, vegetables, oysters, spices, &c. No. 92,255; June 24; Gaz. vol. 191; p. 1064.
- J. H. Rogers & Co. Inc., Maysville, Ky. Whisky. No. 90,842; Mar. 25; Gaz. vol. 188; p. 1049.
- J. I. Case Plow Works, Racine, Wis. Quarterly magazine. No. 92,181; June 24; Gaz. vol. 191; p. 1061.
- J. I. Case Threshing Machine Company, Racine, Wis. Automobiles. No. 90,679; Mar. 18; Gaz. vol. 188; p. 803.
- J. J. Badenoch Co., Chicago, Ill. Horse and cattle feed. No. 92,938; Aug. 12; Gaz. vol. 193; p. 503.
- J. J. O'Connor, Inc., Elmira, N. Y. Whisky. No. 91,237; Apr. 22; Gaz. vol. 189; p. 1027.
- J. K. Armsby Co., The, Chicago, Ill., and San Francisco, Cal. Canned and dried fruits and raisins. No. 93,410; Sept. 16; Gaz. vol. 194; p. 739.
- J. K. Armsby Co., The, Chicago, Ill., and San Francisco, Cal. Canned fruits. No. 93,806; Oct. 21; Gaz. vol. 195; p. 811.
- J. K. Armsby Company, The, San Francisco, Cal. Canned and dried fruits and raisins. No. 94,581; Dec. 23; Gaz. vol. 197; p. 991.
- J. L. Hopkins & Co., New York, N. Y. Adhesive gums. No. 93,994; Oct. 28; Gaz. vol. 195; p. 1046.
- J. L. Hopkins & Co., New York, N. Y. Capsicum, almond-meal, turmeric, &c. No. 94,378; Dec. 2; Gaz. vol. 197; p. 236.
- J. M. Pitkin & Co., Newark, N. Y. Hair-tonic, shampoo-powder, dental cream, &c. No. 93,905; Oct. 21; Gaz. vol. 195; p. 814.
- J. M. Selzer Carriage & Business Wagon Mfg. Co., St. Louis, Mo. Carriages, wagons, and auto-bodies. No. 93,508; Sept. 16; Gaz. vol. 194; p. 742.
- J. M. Shock Absorber Co., The, Philadelphia, Pa. Shock-absorbers for vehicles. Nos. 90,475-6; Feb. 25; Gaz. vol. 187; p. 1113.
- J. N. Lapointe Co., New London, Conn. Broaching-machines and broaches. No. 92,344; July 1; Gaz. vol. 192; p. 212.
- J. S. Fry & Sons, Limited, Bristol, England. Chocolate. No. 90,526; Mar. 4; Gaz. vol. 188; p. 238.
- J. S. Fry and Sons Limited, Bristol, England. Chocolate and cocoa. No. 90,982; Apr. 8; Gaz. vol. 189; p. 518.
- J. S. Fry and Sons, Limited, Bristol, England. Cocoa. No. 92,062; June 17; Gaz. vol. 191; p. 826.
- J. S. Hall's Sons, Knoxville, Tenn. Overcoats, coats, vests, and trousers. No. 91,768; May 27; Gaz. vol. 190; p. 1024.
- J. S. Humphreys and Co., Bloomington, Ill. Certain named foods. No. 91,488; May 6; Gaz. vol. 190; p. 260.
- J. T. Fargason Co., Memphis, Tenn. Blended coffee. No. 91,083; Apr. 15; Gaz. vol. 189; p. 775.
- J. W. Brooks & Co. Incorporated, Portland, Me. Skin-lotion. No. 92,041; June 17; Gaz. vol. 191; p. 825.
- J. W. Buckley Rubber Co., New York, N. Y. Certain belting, hose, and machinery packing. No. 93,490; Sept. 16; Gaz. vol. 194; p. 741.
- J. W. Buckley Rubber Co., New York, N. Y. Rubber tubing, hose, belting, and machinery packing. No. 93,818; Oct. 21; Gaz. vol. 195; p. 811.
- J. W. Buckley Rubber Co., New York, N. Y. Certain kind of hose, belting, packing, &c. No. 94,054; Nov. 4; Gaz. vol. 196; p. 269.
- J. W. Buckley Rubber Co., New York, N. Y. Certain kind of hose, belting, packing, and jar-rings. No. 94,161; Nov. 11; Gaz. vol. 196; p. 521.
- J. W. Buckley Rubber Co., New York, N. Y. Hose, belting, packing, and jar-rings. Nos. 94,422-3; Dec. 9; Gaz. vol. 197; p. 527.
- J. W. Buckley Rubber Co., New York, N. Y. Tubing and hose made of certain materials, belting, and machinery packing. No. 94,712; Dec. 30; Gaz. vol. 197; p. 1287.
- Jackson, Robt. G., Tacoma, Wash. Compound meal or flour. No. 94,454; Dec. 9; Gaz. vol. 197; p. 528.
- Jacksonville Cracker Works, Jacksonville, Fla. Cakes, crackers, biscuit, and bread. No. 90,340; Feb. 18; Gaz. vol. 187; p. 825.
- Jacksonville Cracker Works, Jacksonville, Fla. Cakes, crackers, biscuit, and bread. Nos. 90,441-2; Feb. 25; Gaz. vol. 187; p. 1112.
- Jacksonville Cracker Works, Jacksonville, Fla. Crackers, biscuits, cakes, and bread. Nos. 90,816-18; Mar. 25; Gaz. vol. 188; p. 1048.
- Jacob & Allison, Chas. W., New York, N. Y. Vegetable product used as basis for paste. No. 91,578; May 13; Gaz. vol. 190; p. 544.
- Jacob Frank Mercantile Co., St. Louis, Mo. Certain named knitted clothing. No. 93,172; Aug. 26; Gaz. vol. 193; p. 1012.
- Jacob Frank Mercantile Co., St. Louis, Mo. Yarns. No. 94,519; Dec. 9; Gaz. vol. 197; p. 530.
- Jacob Frank Mercantile Co., St. Louis, Mo. Certain named articles used in embroidering. No. 94,520; Dec. 9; Gaz. vol. 197; p. 530.
- Jacob J. Vollrath Mfg. Co., The, Sheboygan, Wis. Metal kettles. No. 92,849; July 29; Gaz. vol. 192; p. 1257.
- Jacob Kaiser Mfg. Co., St. Louis, Mo. Mattresses and box-springs. No. 92,680; July 22; Gaz. vol. 192; p. 985.
- Jacob Ruppert, Inc., New York, N. Y. Beer. No. 94,325; Nov. 25; Gaz. vol. 196; p. 1049.
- Jacobsen, Wm. H., Minneapolis, Minn. Certain named clothing. No. 91,968; June 10; Gaz. vol. 191; p. 582.
- Jacobsen, Wm. H., Minneapolis, Minn. Garters, neckties, and suspenders. No. 94,731; Dec. 30; Gaz. vol. 197; p. 1287.
- Jacobson, Albert E., New York, N. Y. Photographic sensitized paper and plates. No. 93,446; Sept. 16; Gaz. vol. 194; p. 740.
- Jads Salts Company, New York, N. Y. Effervescent salt. No. 92,989; Aug. 12; Gaz. vol. 193; p. 504.
- Jaeger's Asbestos Flat Iron Waxer Co., New York, N. Y. Sad-iron-waxing pads. No. 92,895; Aug. 5; Gaz. vol. 193; p. 216.
- Jager, Frank, Chicago, Ill. Car-door metal castings. No. 92,990; Aug. 12; Gaz. vol. 193; p. 504.
- James Bailey Company, The, Portland, Me. Certain named electrical apparatus. No. 93,956; Oct. 28; Gaz. vol. 195; p. 1045.
- James Heekin Company, Cincinnati, Ohio. Coffee and tea pots. No. 93,719; Oct. 14; Gaz. vol. 195; p. 535.
- James R. Keiser, Inc., New York, N. Y. Kerchiefs and handkerchiefs. No. 90,349; Feb. 18; Gaz. vol. 187; p. 825.
- James S. Kirk & Company, Chicago, Ill. Castile soap. No. 93,185; Aug. 26; Gaz. vol. 193; p. 1012.
- James, William T., Chicago, Ill. Pharmaceutical preparation. No. 90,539; Mar. 4; Gaz. vol. 188; p. 238.
- James, William T., Chicago, Ill. Metal clasps. No. 91,579; May 13; Gaz. vol. 190; p. 544.
- Jameson, Hevener & Griggs, St. Paul, Minn. Poultry and chick food. No. 90,640; Mar. 11; Gaz. vol. 188; p. 509.
- Jap Amonia Co., Rochester, N. Y. Detergent cleaning preparations. No. 89,851; Jan. 14; Gaz. vol. 186; p. 553.
- Japstick Company, Inc., Cambridge, Mass. Certain chemicals and pharmaceutical preparations. No. 93,360; Sept. 9; Gaz. vol. 194; p. 546.
- Jarden, Gerhard T., Brooklyn, N. Y. Polish for furniture, woodwork, carriages, &c. No. 93,361; Sept. 9; Gaz. vol. 194; p. 546.
- Jarvis, Anna, Philadelphia, Pa. Envelops, writing-paper, and blotters. No. 90,540; Mar. 4; Gaz. vol. 188; p. 238.
- Jarvis, Anna, Philadelphia, Pa. Badges and buttons. No. 90,708; Mar. 18; Gaz. vol. 188; p. 804.
- Jarvis, Anna, Philadelphia, Pa. Certain named prints and publications. No. 92,429; July 8; Gaz. vol. 192; p. 512.
- Jarvis, Anna, Philadelphia, Pa. Book-marks, hymns, magazines, and books. No. 92,430; July 8; Gaz. vol. 192; p. 512.
- Jay & Co., Victor, London, England. Hats. No. 92,223; June 24; Gaz. vol. 191; p. 1063.
- Jaynes Drug Company, Boston, Mass. Cigars. No. 92,677; July 22; Gaz. vol. 192; p. 985.

Alphabetical list of registrants of trade-marks—Continued.

- Jaynes Drug Company, Boston, Mass. Cigars. Nos. 93,727-8; Oct. 14; Gaz. vol. 195; p. 535.
- Jefferson Distilling and Denaturing Company, New Orleans, La. Denatured alcohol. No. 94,787; Dec. 30; Gaz. vol. 197; p. 1289.
- Jenkins, Kreer & Co., Inc., Chicago, Ill. Cotton and linen piece goods. No. 90,541; Mar. 4; Gaz. vol. 188; p. 238.
- Jenkins Mfg. Co., W. A., The, London, Ontario, Canada. Tonic for animals and poultry. No. 94,382; Dec. 2; Gaz. vol. 197; p. 236.
- Jenkins, Thos. B., Sumter, S. C., and St. Louis, Mo. Automobile-springs. No. 91,666; May 20; Gaz. vol. 190; p. 788.
- Jerguson Manufacturing Company, The, Boston, Mass. Water and steam gages and parts thereof. No. 91,667; May 20; Gaz. vol. 190; p. 788.
- Jesse Beery Company, The, Pleasant Hill, Ohio. Harness and saddles. No. 92,169; June 24; Gaz. vol. 191; p. 1061.
- Jno. T. Barbee & Co., Louisville, Ky. Whisky. No. 90,775; Mar. 25; Gaz. vol. 188; p. 1047.
- Joannes-Splane Co., The, Los Angeles, Cal. Baking powder and soda. No. 93,603; Sept. 30; Gaz. vol. 194; p. 1137.
- John Bardenheier Wine & Liquor Company, St. Louis, Mo. Wines. No. 89,979; Jan. 28; Gaz. vol. 186; p. 981.
- John Boyle & Co., Inc., New York, N. Y. Certain named baggage, horse equipments, portfolios, and pocket-books. No. 91,067; Apr. 15; Gaz. vol. 189; p. 775.
- John Boyle & Co., Inc., New York, N. Y. Leather hat, shirt, and shoe boxes. No. 91,068; Apr. 15; Gaz. vol. 189; p. 775.
- John Boyle Company, The, Baltimore, Md. Certain named canned foods. No. 90,784; Mar. 25; Gaz. vol. 188; p. 1047.
- John Church Company, The, Cincinnati, Ohio. Planos. No. 89,925; Jan. 21; Gaz. vol. 186; p. 793.
- John Deere Plow Company of Moline, Moline, Ill. Wagons and wagon-boxes. No. 90,971; Apr. 8; Gaz. vol. 189; p. 517.
- John Deere Plow Company of Moline, Moline, Ill. Shovel-boards to be attached to wagons for unloading purposes. No. 92,651; July 22; Gaz. vol. 192; p. 984.
- John English Baking Company, Troy, N. Y. Bread. No. 89,833; Jan. 14; Gaz. vol. 186; p. 552.
- John F. Lalla Company, Chicago, Ill. Certain named foods. No. 94,007; Oct. 28; Gaz. vol. 195; p. 1046.
- John F. White Company, Mount Morris, N. Y. Canned fruits and vegetables. No. 92,752; July 22; Gaz. vol. 192; p. 987.
- John F. White Company, Mount Morris, N. Y. Canned fruits and vegetables. No. 93,316; Sept. 2; Gaz. vol. 194; p. 271.
- John Gillon & Co., Limited, Leith, Scotland. Whisky. No. 90,429; Feb. 25; Gaz. vol. 187; p. 1111.
- John Hoffmann & Sons Co., Milwaukee, Wis. Certain named canned goods. No. 89,845; Jan. 14; Gaz. vol. 186; p. 552.
- John R. Ott Contracting Company, Los Angeles, Cal. Asphalt-cement paving material. No. 94,746; Dec. 30; Gaz. vol. 197; p. 1288.
- John Sexton & Company, Chicago, Ill. Toilet-paper. No. 89,879; Jan. 14; Gaz. vol. 186; p. 553.
- John Sexton & Company, Chicago, Ill. Certain named foods. No. 90,591; Mar. 4; Gaz. vol. 188; p. 240.
- John Sexton & Company, Chicago, Ill. Baking-powder. No. 90,749; Mar. 18; Gaz. vol. 188; p. 805.
- John W. Hasburg Co., Chicago, Ill. Paints for ceramic decorations. No. 90,886; Apr. 1; Gaz. vol. 189; p. 247.
- John Wanamaker, Philadelphia, Philadelphia, Pa. Pearls, rubies, sapphires, and emeralds. No. 92,749; July 22; Gaz. vol. 192; p. 987.
- Johnson, Anna M., Chicago, Ill. Gas-regulators. No. 89,926; Jan. 21; Gaz. vol. 186; p. 793.
- Johnson Biscuit Co., Sioux City, Iowa. Candy. No. 93,999; Oct. 28; Gaz. vol. 195; p. 1046.
- Johnson Biscuit Company, Sioux City, Iowa. Cakes, biscuits, crackers, and candy. No. 90,025; Jan. 28; Gaz. vol. 186; p. 982.
- Johnson Biscuit Company, Sioux City, Iowa. Candy. No. 92,224; June 24; Gaz. vol. 191; p. 1063.
- Johnson Biscuit Company, Sioux City, Iowa. Crackers and biscuits. No. 93,635; Oct. 7; Gaz. vol. 195; p. 271.
- Johnson, Charles W., Houston, Tex. Insecticide. No. 90,216; Feb. 11; Gaz. vol. 187; p. 508.
- Johnson & Co., Oliver, Providence, R. I. Ready-mixed paints. Nos. 93,535-6; Sept. 23; Gaz. vol. 194; p. 947.
- Johnson & Co., Oliver, Providence, R. I. Ready-mixed paints. No. 93,729; Oct. 14; Gaz. vol. 195; p. 535.
- Johnson Educator Food Company, Boston, Mass. Biscuit. No. 93,858; Oct. 21; Gaz. vol. 195; p. 813.
- Johnson, Frank, Boston, Mass. Laundry bluing. No. 89,927; Jan. 21; Gaz. vol. 186; p. 793.
- Johnson, Grafton, Greenwood, Ind. Canned vegetables. No. 90,342; Feb. 18; Gaz. vol. 187; p. 825.
- Johnson, J. Bailey, Edgewood, Pa. Deodorizing cold-cream. No. 94,000; Oct. 28; Gaz. vol. 195; p. 1046.
- Johnson & Johnson, New Brunswick, N. J. Medicinal plasters. No. 92,431; July 8; Gaz. vol. 192; p. 512.
- Johnson & Johnson, New Brunswick, N. J. Certain medical and surgical appliances. No. 92,678; July 22; Gaz. vol. 192; p. 985.
- Johnson-Layne Coffee Co., The, St. Louis, Mo. Coffee. No. 93,447; Sept. 16; Gaz. vol. 194; p. 740.
- Johnson, Nestor, Chicago, Ill. Ice-skates. No. 89,852; Jan. 14; Gaz. vol. 186; p. 553.
- Johnson Pickle Corporation, The, now by change of name The Rosemary Company, Incorporated, Richmond, Va. Pickles. No. 93,485; Sept. 16; Gaz. vol. 194; p. 741.
- Johnson, William H., Ripley, Tenn. Chemical compound for use in cooking. No. 91,773; May 27; Gaz. vol. 190; p. 1024.
- Johnson, William S., Baxley, Ga. Remedy for piles. No. 94,455; Dec. 9; Gaz. vol. 197; p. 528.
- Johnston, Lewis P., Washington, D. C. Remedy for constipation and liver complaints. No. 89,928; Jan. 21; Gaz. vol. 186; p. 793.
- Jones, Ada C., Cincinnati, Ohio. Wood-polishing substance. No. 90,343; Feb. 18; Gaz. vol. 187; p. 825.
- Jones, Andrew H., Louisville, Ky. Blood-purifier. No. 92,991; Aug. 12; Gaz. vol. 193; p. 504.
- Jones Electric Starter Co., Chicago, Ill. Certain electrical apparatus, machines, and supplies. No. 92,225; June 24; Gaz. vol. 191; p. 1063.
- Jones, F. M., Oakland, Cal. Bicycles. No. 92,226; June 24; Gaz. vol. 191; p. 1063.
- Jones, Guy W., Erie, Pa. Preparation for the treatment of piles. No. 94,556; Dec. 16; Gaz. vol. 197; p. 777.
- Jones, James W., Denison, Tex. Stock ointment or salve. No. 93,859; Oct. 21; Gaz. vol. 195; p. 813.
- Jones, Louis, Boston, Mass. Tonic to be used as a temperance drink. No. 92,342; July 1; Gaz. vol. 192; p. 212.
- Jones, T. B., Athens, Tex. Batteries. No. 94,086; Nov. 4; Gaz. vol. 196; p. 270.
- Jones, Wylie B., Binghamton, N. Y. Medicinal preparation. No. 92,227; June 24; Gaz. vol. 191; p. 1063.
- Jönköpings och Vulcans Tändsticksfabriksaktiebolag, Jönköping, Sweden. Matches. No. 90,643; Mar. 11; Gaz. vol. 188; p. 509.
- Jönköpings och Vulcans Tändsticksfabriksaktiebolag, Jönköping, Sweden. Matches. Nos. 91,668-70; May 20; Gaz. vol. 190; p. 788.
- Jordan Marsh Company, Boston, Mass. Coats, hats, dresses, and rompers. Nos. 93,182-3; Aug. 26; Gaz. vol. 193; p. 1012.
- Jordan, Wladyslaw, Chicago, Ill. Salve, face-cream, laxative tablets, bitter tonic, &c. No. 93,636; Oct. 7; Gaz. vol. 195; p. 271.
- Jörn, Paul, Hamburg, Germany. Canned ham. No. 93,860; Oct. 21; Gaz. vol. 195; p. 813.
- Jos. Rosenheim Shoe Co., Savannah, Ga. Boots and shoes. No. 90,843; Mar. 25; Gaz. vol. 188; p. 1049.
- Jos. Rosenheim Shoe Co., Savannah, Ga. Boots and shoes. No. 90,924; Apr. 1; Gaz. vol. 189; p. 249.
- Jos. Schlitz Brewing Company, Milwaukee, Wis. Lager-beer. No. 90,587; Mar. 4; Gaz. vol. 188; p. 239.
- Joseph Benn & Sons, Inc., Greystone, R. I., and New York, N. Y. Imitation astrakhans. No. 94,050; Nov. 4; Gaz. vol. 196; p. 269.
- Joseph Friedlander & Bro., New York, N. Y. Spectacles and eyeglasses. No. 90,981; Apr. 8; Gaz. vol. 189; p. 518.
- Joseph & Henry Wilson Ltd., Sheffield, England. Snuff. No. 92,024; June 10; Gaz. vol. 191; p. 584.
- Joseph W. Schloss Co., New York, N. Y. Ruche-supporters. No. 93,759; Oct. 14; Gaz. vol. 195; p. 536.
- Joseph Williams Company, Sparksburg, Pa. Insecticides. No. 94,705; Dec. 23; Gaz. vol. 197; p. 995.
- Jostin Mfg. Co., Providence, R. I. Lacing-tips. No. 91,671; May 20; Gaz. vol. 190; p. 788.
- Joyce-Cridland Company, The, Dayton, Ohio. Lifting-jacks. No. 90,344; Feb. 18; Gaz. vol. 187; p. 825.
- Juan F. Portuondo Cigar Manufacturing Co., The, Philadelphia, Pa. Cigars. No. 92,714; July 22; Gaz. vol. 192; p. 986.
- Judell, Louis, New York, N. Y. Boots, shoes, and slippers. No. 90,542; Mar. 4; Gaz. vol. 188; p. 238.
- Juergens Jewelry Company, New York, N. Y. Bracelets, rings, brooches, &c. No. 90,710; Mar. 18; Gaz. vol. 188; p. 804.
- Julian, Knox, Indianapolis, Ind. Breath-tablets. No. 94,288; Nov. 25; Gaz. vol. 196; p. 1047.
- Julius King Optical Co., New York, N. Y. Goggles. No. 91,879; June 3; Gaz. vol. 191; p. 288.
- Junebro Aktiebolag, Jönköping, Sweden. Matches. No. 92,026; June 17; Gaz. vol. 191; p. 825.
- Jung Brewing Company, Milwaukee, Wis. Lager-beer. No. 92,679; July 22; Gaz. vol. 192; p. 985.
- Kabo Corset Company, Chicago, Ill. Corsets. No. 91,969; June 10; Gaz. vol. 191; p. 582.
- Kabus Rubber Company, New York, N. Y. Rubber erasers and bands. No. 90,217; Feb. 11; Gaz. vol. 187; p. 508.
- Kaempfer, Frederick, Chicago, Ill. Bird food. No. 91,580; May 13; Gaz. vol. 190; p. 544.

- Kahlbaum, C. A. F., Berlin, Germany. Remedy for disorders of the stomach. No. 89,929; Jan. 21; Gaz. vol. 186; p. 793.
- Kahn-Beck Company, Los Angeles, Cal. Cakes and crackers. No. 91,581; May 13; Gaz. vol. 190; p. 544.
- Kahn Brothers & Company, Chicago, Ill. Cotton and woolen shirts. No. 90,819; Mar. 25; Gaz. vol. 188; p. 1048.
- Kahn & Co., Henry, San Francisco, Cal. Certain named optical goods, barometers, and photographic cameras. No. 94,183; Nov. 11; Gaz. vol. 196; p. 522.
- Kaiserbrauerei Beck & Co., Kommanditgesellschaft auf Aktien, Bremen, Germany. Lager-beer. No. 91,877; June 3; Gaz. vol. 191; p. 288.
- Kalle & Co. Aktiengesellschaft, Biebrich, Germany. Preparation in certain forms for treating certain diseases. No. 91,218; Apr. 22; Gaz. vol. 189; p. 1027.
- Kalle & Co., Aktiengesellschaft, Biebrich, Germany. Preparation to be used in the textile industry. No. 91,878; June 3; Gaz. vol. 191; p. 288.
- Kalle & Co., Aktiengesellschaft, Biebrich, Germany. Preparation for the treatment of wounds. No. 92,992; Aug. 12; Gaz. vol. 193; p. 504.
- Kalle & Co., Aktiengesellschaft, Biebrich-on-the-Rhine, Germany. Ointment. No. 93,861; Oct. 21; Gaz. vol. 195; p. 813.
- Kalle & Co., Aktiengesellschaft, Biebrich-on-the-Rhine, Germany. Preparation for the treatment of wounds. No. 94,244; Nov. 18; Gaz. vol. 196; p. 801.
- Kamenstein, Myer, New York, N. Y. Washboilers. No. 90,444; Feb. 25; Gaz. vol. 187; p. 1112.
- Kamenstein, Myer, New York, N. Y. Washboilers. No. 90,994; Apr. 8; Gaz. vol. 189; p. 518.
- Kämmer & Reinhardt, Waltershausen, Germany. Dolls and parts of same. No. 90,445; Feb. 25; Gaz. vol. 187; p. 1112.
- Kandle-Born Company, Springfield, Mass. Feed-detectors and ruling-tables. No. 90,348; Feb. 18; Gaz. vol. 187; p. 825.
- Kant Bt-It Polish Co., New York, N. Y. Metal-polish. No. 90,446; Feb. 25; Gaz. vol. 187; p. 1112.
- Kar Brak Chemical Company, Wellsboro, Pa. Disinfectant, deodorant, germicide, &c. No. 92,228; June 24; Gaz. vol. 191; p. 1063.
- Karlson, Lewis A., Minneapolis, Minn. Ventilators. No. 94,087; Nov. 4; Gaz. vol. 196; p. 270.
- Karp & Son, O., New York, N. Y. Certain named foods. No. 90,218; Feb. 11; Gaz. vol. 187; p. 508.
- Kastner & Co. Ltd., London, England. Certain musical instruments and supplies. No. 92,801; July 29; Gaz. vol. 192; p. 1256.
- Kaut Reith Shoe Co., St. Louis, Mo. Leather shoes. No. 92,229; June 24; Gaz. vol. 191; p. 1063.
- Kavanagh, W. H. J., Chicago, Ill. Fresh leaf-lettuce and fresh limes. No. 91,582; May 13; Gaz. vol. 190; p. 544.
- Kavanaugh, Frederick W., Waterford, N. Y. Underwear. No. 93,862; Oct. 21; Gaz. vol. 195; p. 813.
- Kayser, Ellison & Co. Limited, Sheffield, England. Steel and steel wire. No. 93,863; Oct. 21; Gaz. vol. 195; p. 813.
- Kearns Motor Car Company, Beavertown, Pa. Certain named motor-vehicles. No. 91,970; June 10; Gaz. vol. 191; p. 582.
- Keck Manufacturing Co., C., Cincinnati, Ohio. Laundry washing-machines. No. 89,853; Jan. 14; Gaz. vol. 186; p. 553.
- Keefer, William W., Lancaster, Pa. Whisky, brandy, and gin. No. 90,711; Mar. 18; Gaz. vol. 188; p. 804.
- Keene, R. E. G., San Francisco, Cal. Paints, varnishes, and oils. No. 92,432; July 8; Gaz. vol. 192; p. 512.
- Keeran-Funk & Company, Bloomington, Ill. Glass fruit-jars. No. 90,027; Jan. 28; Gaz. vol. 186; p. 982.
- Kees Mfg. Co., F. D., Beatrice, Nebr. Eaves-trough hangers. No. 91,583; May 13; Gaz. vol. 190; p. 544.
- Keever Bros. Co., The, New York, N. Y. Compounds that are used for certain named purposes. No. 90,543; Mar. 4; Gaz. vol. 188; p. 238.
- Kellidust Chemical Company, Louisville, Ky. Preparation for the elimination of dust from feathers and cotton. No. 90,893; Apr. 1; Gaz. vol. 189; p. 248.
- Kelly & Co., T. P., New York, N. Y. Plumbago, sea-coal, and foundry-facings. No. 90,848; Mar. 25; Gaz. vol. 188; p. 1049.
- Kelly, Thomas, Honolulu, Hawaii. Certain named foods. No. 91,095; Apr. 15; Gaz. vol. 189; p. 776.
- Kemper & Norton, Los Angeles, Cal. Remedy for asthma. No. 90,855; Mar. 25; Gaz. vol. 188; p. 1049.
- Kempler, Adolph, Philadelphia, Pa. Ingredient for coffee. No. 92,993; Aug. 12; Gaz. vol. 193; p. 504.
- Kendall & Son, O. S., Worcester, Mass. Vacuum-cleaners. No. 90,715; Mar. 18; Gaz. vol. 188; p. 804.
- Kendrick, William T., Montgomery, Ala. Alternative, disinfectant, tonic, &c. No. 94,001; Oct. 28; Gaz. vol. 195; p. 1046.
- Kenova Lumber & Supply Company, Kenova, W. Va. Composition roofing-sheets. No. 91,972; June 10; Gaz. vol. 191; p. 582.
- Kentucky Refining Company, Louisville, Ky. Cotton-seed oil. No. 89,854; Jan. 14; Gaz. vol. 186; p. 553.
- Kentucky Refining Company, Louisville, Ky. Cotton-seed oil. No. 90,544; Mar. 4; Gaz. vol. 188; p. 238.
- Kerins, Michael, Addison, N. Y. Remedy for all affections of the throat and lungs. No. 90,545; Mar. 4; Gaz. vol. 188; p. 238.
- Kerns, Charles, Logansport, Ind. Liniment, cough-syrup, ointment, &c. No. 94,456; Dec. 9; Gaz. vol. 197; p. 528.
- Kershaw, Bert H., Chicago, Ill. Dental powder. No. 94,002; Oct. 28; Gaz. vol. 195; p. 1046.
- Ketcham & McDougall, New York, N. Y. Sewing-thimbles of precious metal. No. 94,525; Dec. 9; Gaz. vol. 197; p. 530.
- Keuffel & Esser Company, Hoboken, N. J. Slide-rules. No. 93,448; Sept. 16; Gaz. vol. 194; p. 740.
- Kewell, Charles H., San Francisco, Cal. Fishing-tackle. No. 90,447; Feb. 25; Gaz. vol. 187; p. 1112.
- Key-Calk Horseshoe Manufacturing Company, Green Bay, Wis. Horseshoe-calks and horseshoes. No. 89,754; Jan. 7; Gaz. vol. 186; p. 285.
- Key-Calk Horseshoe Manufacturing Company, Green Bay, Wis. Horseshoe-calks. No. 92,230; June 24; Gaz. vol. 191; p. 1063.
- Keystone Varnish Co., Brooklyn, N. Y. Paint. No. 90,345; Feb. 18; Gaz. vol. 187; p. 825.
- Keystone Varnish Co., Brooklyn, N. Y. Enamel paint. No. 90,346; Feb. 18; Gaz. vol. 187; p. 825.
- Keystone Varnish Co., Brooklyn, N. Y. Varnish. No. 91,774; May 27; Gaz. vol. 190; p. 1024.
- Kibbe Bros. Company, Springfield, Mass. Candy. No. 92,994; Aug. 12; Gaz. vol. 193; p. 504.
- Kick, Emile F., Newark, N. J. Oil and grease products. No. 92,682; July 22; Gaz. vol. 192; p. 985.
- Kick, Emile F., Newark, N. J. Oil and grease products for certain purposes. No. 93,537; Sept. 23; Gaz. vol. 194; p. 947.
- Kidder, Rowe E., Kansas City, Mo., and Rosedale, Kans. Wheat-flour. No. 90,894; Apr. 1; Gaz. vol. 189; p. 248.
- Kiel Brothers, West New York, N. J. Butter and cheese. No. 94,383; Dec. 2; Gaz. vol. 197; p. 236.
- Kierski, Stanislaus, Minneapolis, Minn. Blow-guns. No. 92,009; June 10; Gaz. vol. 191; p. 583.
- Kimball Flour Co., Troy, N. Y. Wheat-flour. No. 91,353; Apr. 29; Gaz. vol. 189; p. 1276.
- Kimball, Joseph A., New York, N. Y. Liniment. No. 93,637; Oct. 7; Gaz. vol. 195; p. 271.
- King Company, The, Rockford, Ill. Spices and flavoring extracts. No. 93,449; Sept. 16; Gaz. vol. 194; p. 740.
- King, Florence, Chicago, Ill. Magazine. No. 91,490; May 6; Gaz. vol. 190; p. 260.
- King Light Co., Peoria, Ill. Gas and vapor mantles. No. 94,457; Dec. 9; Gaz. vol. 197; p. 528.
- King, Ragland & Co., Murfreesboro, Tenn. Certain named foods. No. 90,219; Feb. 11; Gaz. vol. 187; p. 509.
- Kingan & Company, Limited, Belfast, Ireland, and Indianapolis, Ind. Hams and sausages. No. 89,855; Jan. 14; Gaz. vol. 186; p. 553.
- Kingan & Company, Limited, Belfast, Ireland; Indianapolis, Ind.; Richmond and Norfolk, Va.; Jacksonville, Fla.; San Francisco, Cal.; Pittsburgh, Philadelphia, and Harrisburg, Pa.; Washington, D. C.; Atlanta, Ga.; Baltimore, Md.; Atlantic City, N. J.; New York and Syracuse, N. Y., and Columbus, Ohio. Butter. No. 90,546; Mar. 4; Gaz. vol. 188; p. 238.
- Kingsbury, John D., Washington, D. C. Coal-saving compound. No. 91,672; May 20; Gaz. vol. 190; p. 788.
- Kingston, Perry, Little Falls, N. Y. Building-papers, saturating and deadening felt. No. 94,088; Nov. 4; Gaz. vol. 196; p. 270.
- Kinney & Co., Dan R., Greeley, Colo. Hair-tonic. No. 92,995; Aug. 12; Gaz. vol. 193; p. 505.
- "Kios" Cigaretten- & Tabak-Import-Engros Fabrik türk. Tabake u Cigaretten e. Robert Böhme, Dresden, Germany. Tobacco and cigarettes. Nos. 92,683-4; July 22; Gaz. vol. 192; p. 985.
- Kip, Frank C., Oklahoma, Okla. Coffee and tea, flavoring extracts for foods, and spices and cocoa. No. 94,003; Oct. 28; Gaz. vol. 195; p. 1046.
- Klauber, Wangenheim & Co., San Diego, Cal. Blended coffee, tea, flavoring extracts, &c. No. 92,996; Aug. 12; Gaz. vol. 193; p. 505.
- Klauber Wangenheim Co., San Diego, Cal. Certain named foods. No. 93,731; Oct. 14; Gaz. vol. 195; p. 535.
- Klauber Wangenheim Co., San Diego, Cal. Toilet-paper. No. 93,864; Oct. 21; Gaz. vol. 195; p. 813.
- Klauber Wangenheim Co., San Diego, Cal. Baking powder and soda and gloss-starch. No. 94,089; Nov. 4; Gaz. vol. 196; p. 270.
- Kleenser Co., The, Fostoria, Ohio. Washing-powder. No. 91,491; May 6; Gaz. vol. 190; p. 260.
- Klein, Henry P., St. Louis, Mo. Cough-drops. No. 92,685; July 22; Gaz. vol. 192; p. 985.
- Klemak, John, Fairchild, Wis. Liniment. No. 94,184; Nov. 11; Gaz. vol. 196; p. 522.
- Klingenstein Company, The, Los Angeles, Cal. Pipes. No. 94,645; Dec. 23; Gaz. vol. 197; p. 993.
- Kloczewski & Company, Washington, D. C. Ointment. No. 92,231; June 24; Gaz. vol. 191; p. 1063.
- Knickerbocker Case Company, Chicago, Ill. Sample cases and bags. No. 91,354; Apr. 29; Gaz. vol. 189; p. 1276.
- Knock 'Em Dead Co., Jersey City, N. J. Insect-killer. No. 92,686; July 22; Gaz. vol. 192; p. 985.

Alphabetical list of registrants of trade-marks—Continued.

- Knothe Brothers, Inc., New York, N. Y., and Baltimore, Md. Pajamas, shirts, and night-shirts. No. 93,865; Oct. 21; Gaz. vol. 195; p. 813.
- Knothe Brothers, Inc., New York, N. Y., and Baltimore, Md. Pajamas and negligée shirts. No. 93,866; Oct. 21; Gaz. vol. 195; p. 813.
- Knothe Brothers, Inc., New York, N. Y., and Baltimore, Md. Pajamas, shirts, and night-shirts. No. 93,867; Oct. 21; Gaz. vol. 195; p. 813.
- Knox Company, Charles B., Johnstown, N. Y. Gelatin. No. 93,868; Oct. 21; Gaz. vol. 195; p. 813.
- Knox Company, Charles B., Johnstown, N. Y. Gelatin. No. 94,004; Oct. 28; Gaz. vol. 195; p. 1046.
- Knox Terpezone Company of America, New York, N. Y. Generating germicidal vapors or gases. No. 91,880; June 3; Gaz. vol. 191; p. 288.
- Knox & Wolcott Paper Co., Chicago, Ill. Bond-paper. No. 93,096; Aug. 19; Gaz. vol. 193; p. 750.
- Koch, Otto W., St. Louis, Mo. Certain named pharmaceutical preparations. No. 90,995; Apr. 8; Gaz. vol. 189; p. 518.
- Kodak Company, The, East Cleveland, Ohio. Couches and beds. No. 92,232; June 24; Gaz. vol. 191; p. 1063.
- Koenigl. Mineralbrunnen Siemens Erben, Berlin, Germany. Mineral waters. No. 92,083; June 17; Gaz. vol. 191; p. 826.
- Koenigl. Mineralbrunnen Siemens Erben, Berlin, Germany. Mineral waters. No. 92,803; July 29; Gaz. vol. 192; p. 1256.
- Kohlmyer, Frederick W., Cleveland, Ohio. Serum for the treatment of cancer. No. 93,538; Sept. 23; Gaz. vol. 194; p. 947.
- Kohn & Baer, Inc., New York, N. Y. Fur wearing-apparel. No. 93,870; Oct. 21; Gaz. vol. 195; p. 813.
- Koken Barbers' Supply Co., St. Louis, Mo. Certain named furniture and upholstery. No. 92,233; June 24; Gaz. vol. 191; p. 1063.
- Kokomo Canning Company, Kokomo, Ind. Canned vegetables. No. 93,871; Oct. 21; Gaz. vol. 195; p. 813.
- Kolynos Co., The, New Haven, Conn. Soap. No. 90,448; Feb. 25; Gaz. vol. 187; p. 1112.
- Komnick, F., Elbing, Germany. Artificial-stone roofing-plates. No. 89,856; Jan. 14; Gaz. vol. 186; p. 553.
- Koolbite Toy Co., Chicago, Ill. Toys. No. 91,973; June 10; Gaz. vol. 191; p. 582.
- Kopf Nursery & Realty Co. Inc., New Haven, Conn. Pine-apples. No. 94,289; Nov. 25; Gaz. vol. 196; p. 1048.
- Koppelman, Morris, New York, N. Y. Cigarettes and pipe-tobacco. No. 92,084; June 17; Gaz. vol. 191; p. 826.
- Kops Bros., New York, N. Y. Corsets, corset-covers, and corset-pads. No. 90,347; Feb. 18; Gaz. vol. 187; p. 825.
- Kops Bros., New York, N. Y. Corsets. No. 94,526; Dec. 9; Gaz. vol. 197; p. 530.
- Kornahrens, George, Charleston, S. C. Certain named beverages. No. 93,276; Sept. 2; Gaz. vol. 194; p. 269.
- Körting & Mathiesen Aktiengesellschaft, Leutzsch-Leipzig, Germany. Certain electrical apparatus and supplies. No. 93,097; Aug. 19; Gaz. vol. 193; p. 750.
- Kosch, C. Traugott, Budapest, Austria-Hungary. Remedy for the treatment of certain diseases. No. 92,343; July 1; Gaz. vol. 192; p. 212.
- Kouyoumjian Electric and Manufacturing Company, The, Cleveland, Ohio. Electric generators. No. 94,290; Nov. 25; Gaz. vol. 196; p. 1048.
- Koy-Lo Company, The, New York, N. Y. Hair-pins and hat-pins. No. 90,644; Mar. 11; Gaz. vol. 188; p. 509.
- Kraft & Stendel Fabrik Photographischer Papiere Gesellschaft mit beschränkter Haftung, Dresden, Germany. Photographic paper and cardboard. No. 91,584; May 13; Gaz. vol. 190; p. 544.
- Kranich & Bach, New York, N. Y. Player-pianos and perforated music-sheets. No. 94,558; Dec. 16; Gaz. vol. 197; p. 777.
- Kraus & Co., Baltimore, Md. Cigars. No. 91,219; Apr. 22; Gaz. vol. 189; p. 1027.
- Krause, Firm of Max, Berlin, Germany. Certain kinds of paper and stationery. No. 91,882; June 3; Gaz. vol. 191; p. 288.
- Krause, Max, Berlin, Germany. Certain printed and illustrated matter. No. 94,090; Nov. 4; Gaz. vol. 196; p. 270.
- Krauss, Gustave A., Jersey City, N. J. Remedy for tuberculosis. No. 90,547; Mar. 4; Gaz. vol. 188; p. 238.
- Krembs, Walter R., Chicago, Ill. Bottled milk. No. 92,997; Aug. 12; Gaz. vol. 193; p. 505.
- Kretschmar, Oscar C., Minneapolis, Minn. Compound for use in exterminating rats, mice, gophers, and other animals. No. 94,384; Dec. 2; Gaz. vol. 197; p. 236.
- Krettek Bros., Council Bluffs, Iowa. Hay and coal. No. 92,897; Aug. 5; Gaz. vol. 193; p. 216.
- Krieg Tanning Company, San Francisco, Cal. Leather. No. 94,185; Nov. 11; Gaz. vol. 196; p. 522.
- Kriel, Hannah E., Baltimore, Md. Hams, shoulders, sausage, lard, bacon, and picnics. No. 93,539; Sept. 23; Gaz. vol. 194; p. 947.
- Kriel, Walter E., Baltimore, Md. Adhesive sizing, gums, and pastes. No. 92,234; June 24; Gaz. vol. 191; p. 1063.
- Kro-Kuec Company, Chicago, Ill. Furniture-polish. No. 92,687; July 22; Gaz. vol. 192; p. 985.
- Kroger Grocery & Baking Co., The, Cincinnati, Ohio. Certain named foods. No. 90,221; Feb. 11; Gaz. vol. 187; p. 509.
- Krohmer Company, The, Chicago, Ill. Certain named prints and publications. No. 92,433; July 8; Gaz. vol. 192; p. 512.
- Kronberger, Israel B., San Rafael, Cal. Remedies for certain named ailments and diseases. No. 90,120; Feb. 4; Gaz. vol. 187; p. 228.
- Kronthal, Benjamin, Michigan City, Ind. Dresses and negligée and flannel shirts. No. 93,363; Sept. 9; Gaz. vol. 194; p. 546.
- Kroyer, John M., Stockton, Cal. Wheels. No. 93,505; Sept. 16; Gaz. vol. 194; p. 742.
- Krummel Tobacco Company, The, Cincinnati, Ohio. Chewing and smoking tobaccos. No. 92,898; Aug. 5; Gaz. vol. 193; p. 216.
- Kucki, Louis J., Chicago, Ill. Vacuum-cleaners. No. 93,364; Sept. 9; Gaz. vol. 194; p. 546.
- Kueber, Andrew J., Mount Vernon, Ind. Remedy for hog-cholera. No. 93,277; Sept. 2; Gaz. vol. 194; p. 269.
- Kuhmarker Manufacturing Company, New York, N. Y. Waxed paper. No. 91,492; May 6; Gaz. vol. 190; p. 260.
- Kutzner, Oswald H., Santa Ana, Cal. Healing-salve. No. 94,646; Dec. 23; Gaz. vol. 197; p. 993.
- Kynette, Frank, Dallas, Tex. Chill remedy. No. 90,548; Mar. 4; Gaz. vol. 188; p. 238.
- L. Frank & Son Company, Milwaukee, Wis. Sausage. No. 90,525; Mar. 4; Gaz. vol. 188; p. 238.
- L. Sonneborn Sons, Inc., New York, N. Y. Solution for waterproofing and hardening concrete. No. 94,123; Nov. 4; Gaz. vol. 196; p. 271.
- L. B. Allen Co., Chicago, Ill. Soldering compounds and fluxes. No. 93,511; Sept. 23; Gaz. vol. 194; p. 947.
- L. C. Smith Company, Inc., New York, N. Y., and Bridgeport, Conn. Metal resembling gold in appearance. No. 91,913; June 3; Gaz. vol. 191; p. 289.
- L. E. Waterman Co., New York, N. Y. Ink. No. 93,785; Oct. 14; Gaz. vol. 195; p. 537.
- L. S. Ayres and Company, Indianapolis, Ind. Trunks, traveling-bags, and suitcases. No. 93,664; Oct. 14; Gaz. vol. 195; p. 533.
- L. S. Ayres and Company, Indianapolis, Ind. Umbrellas. No. 93,665; Oct. 14; Gaz. vol. 195; p. 533.
- L. S. Ayres and Company, Indianapolis, Ind. Ribbon. No. 93,666; Oct. 14; Gaz. vol. 195; p. 533.
- L. S. Ayres and Company, Indianapolis, Ind. Comforts, blankets, nainsook, and long-cloth. No. 93,667; Oct. 14; Gaz. vol. 195; p. 533.
- L & W Shoe Company, New York, N. Y. Leather shoes. No. 93,098; Aug. 19; Gaz. vol. 193; p. 750.
- La Crosse Knitting Works, The, La Crosse, Wis. Hosiery. Nos. 90,996-7; Apr. 8; Gaz. vol. 189; p. 518.
- La Favar, Frederick D., St. Paul, Minn. Remedy for urethritis. No. 91,883; June 3; Gaz. vol. 191; p. 288.
- La France Manufacturing Company, Philadelphia, Pa. Laundry waxes. No. 90,856; Mar. 25; Gaz. vol. 188; p. 1049.
- La Minerva Cigar Factory, Manila, Philippine Islands. Cigars, cigarettes, and tobacco. No. 93,604; Sept. 30; Gaz. vol. 194; p. 1137.
- La Salle Varnish Co., The, Chicago, Ill. Varnishes, stains, varnish-removers, &c. No. 91,674; May 20; Gaz. vol. 190; p. 788.
- La Union Agrícola Sociedad Anónima, Barcelona, Spain. Liqueurs. Nos. 93,541-8; Sept. 23; Gaz. vol. 194; p. 948.
- Laage, Elie de, St. Savinien-sur-Charente, near Cognac, France. Liqueur. No. 94,272; Nov. 25; Gaz. vol. 196; p. 1047.
- Labauve, Alsina M., New Orleans, La. Remedy for dysentery and stomach trouble. No. 94,005; Oct. 28; Gaz. vol. 195; p. 1046.
- Laboratory Products Company, The, St. Louis, Mo. Preparation for relieving certain diseases. No. 91,422; Apr. 29; Gaz. vol. 189; p. 1278.
- Lacey, Robert R., Binghamton, N. Y. Automobile shock-absorbers. No. 92,235; June 24; Gaz. vol. 191; p. 1063.
- Lackawanna Leather Co., The, Hackettstown, N. J. Leather. No. 93,540; Sept. 23; Gaz. vol. 194; p. 947.
- Laffray & Herrman Co., Paterson, N. J. Macaroni, rice, and kippered herring. No. 93,872; Oct. 21; Gaz. vol. 195; p. 813.
- Lainfiesta & Co., San Francisco, Cal. Flavoring extracts for syrups. No. 94,006; Oct. 28; Gaz. vol. 195; p. 1046.
- Lake of the Woods Milling Company Limited, Montreal, Quebec, Canada. Wheat-flour. Nos. 92,563-4; July 15; Gaz. vol. 192; p. 739.
- Lamson Company, Boston, Mass. Conveying and transmission apparatus. No. 93,450; Sept. 16; Gaz. vol. 194; p. 740.
- Lancaster Foundry Company, Lancaster, Pa. Locks and latches. No. 91,220; Apr. 22; Gaz. vol. 189; p. 1027.
- Lancia & Co., Turin, Italy. Automobiles. No. 91,974; June 10; Gaz. vol. 191; p. 582.
- Lamb, Harvey W., Kansas City, Mo. Powder for cleaning painted or varnished surfaces, marble, glass, &c. No. 94,732; Dec. 30; Gaz. vol. 197; p. 1287.

Alphabetical list of registrants of trade-marks—Continued.

- Lambdin, Hiram S., Peru, Kans. Remedy for earache, chapped hands, and eczema. No. 94,559; Dec. 16; Gaz. vol. 197; p. 777.
- Land, Robert A., Stringer, Miss. Washing-powder. No. 92,085; June 17; Gaz. vol. 191; p. 826.
- Landers, Frary & Clark, New Britain, Conn. Alcohol stoves and lamps and wind-shields for same. No. 90,028; Jan. 28; Gaz. vol. 186; p. 982.
- Landers, Frary & Clark, New Britain, Conn. Certain named balances and scales. No. 90,029; Jan. 28; Gaz. vol. 186; p. 982.
- Landers, Frary & Clark, New Britain, Conn. Certain named silver-plated goods. No. 90,549; Mar. 4; Gaz. vol. 188; p. 238.
- Landers, Frary & Clark, New Britain, Conn. Certain named metallic household ware and bath-room fittings. No. 90,895; Apr. 1; Gaz. vol. 189; p. 248.
- Landers, Frary & Clark, New Britain, Conn. Certain named cutlery and tools. No. 90,896; Apr. 1; Gaz. vol. 189; p. 248.
- Landers, Frary & Clark, New Britain, Conn. Certain named silver-plated articles. No. 90,998; Apr. 8; Gaz. vol. 189; p. 518.
- Landers, Frary & Clark, New Britain, Conn. Certain named hardware and plumbing supplies. No. 91,096; Apr. 15; Gaz. vol. 189; p. 776.
- Landers, Frary & Clark, New Britain, Conn. Certain named cutlery, machinery, tools, and parts thereof. No. 92,998; Aug. 12; Gaz. vol. 193; p. 505.
- Landon, A. et M., Paris, France. Toilet water. No. 94,647; Dec. 23; Gaz. vol. 197; p. 993.
- Landry, Arthur J., Kankakee, Ill. Shampooing preparation. No. 93,242; Aug. 26; Gaz. vol. 193; p. 1014.
- Lane, James V., Los Angeles, Cal. Polishing materials, furniture-polishes, and floor-dressings. No. 94,385; Dec. 2; Gaz. vol. 197; p. 236.
- Lane & Proctor, Arkansas City, Ark. Remedy for rheumatism, gout, sciatica, &c. No. 90,550; Mar. 4; Gaz. vol. 188; p. 238.
- Langdon, John F., Kansas City, Kans. Threshing-machine band-cutters and self-feeders. No. 92,804; July 29; Gaz. vol. 192; p. 1256.
- Lange and Son, H. W., Portland, Oreg. Natural mineral water. No. 90,897; Apr. 1; Gaz. vol. 189; p. 248.
- Langford, William S., Baltimore, Md. Bar and paste belt-dressing. No. 91,355; Apr. 29; Gaz. vol. 189; p. 1276.
- Langmeyer, Mary, New York, N. Y. Remedy against certain named diseases. No. 92,236; June 24; Gaz. vol. 191; p. 1063.
- Lanman & Kemp, New York, N. Y. Certain pharmaceutical preparations and remedies for certain named diseases. Nos. 90,713-14; Mar. 18; Gaz. vol. 188; p. 804.
- Laraway, Chas., Binghamton, N. Y. Remedies for diseases of the stomach and liver. No. 90,898; Apr. 1; Gaz. vol. 189; p. 248.
- Lardusky, Albert H., Baltimore, Md. Soaps. No. 90,350; Feb. 18; Gaz. vol. 187; p. 825.
- Larkin, P. C., Toronto, Canada, and New York, N. Y. Cocoa. No. 92,805; July 29; Gaz. vol. 192; p. 1256.
- Larom, Frank W., New York, N. Y. Kid and lamb gloves. No. 90,449; Feb. 25; Gaz. vol. 187; p. 1112.
- Larrowe Milling Co., The, Cohocton, N. Y. Feed for dairy-cattle. No. 90,351; Feb. 18; Gaz. vol. 187; p. 825.
- Larrowe Milling Co., The, Cohocton, N. Y., and Detroit, Mich. Stock food. No. 90,899; Apr. 1; Gaz. vol. 189; p. 248.
- Larrowe Milling Co., The, Cohocton, N. Y., and Detroit, Mich. Chicken feed. No. 91,097; Apr. 15; Gaz. vol. 189; p. 776.
- Laser Grain Company, Clarksville, Ark. Certain named foods. No. 92,999; Aug. 12; Gaz. vol. 193; p. 505.
- Lashell, Jacob, Coney Island, N. Y. Orange-juice. No. 93,278; Sept. 2; Gaz. vol. 194; p. 269.
- Laubenheimer, August A., Frankfort-on-the-Main, Germany. Salves. No. 90,712; Mar. 18; Gaz. vol. 188; p. 804.
- Lauber, Benjamin, Chicago, Ill. Polish and cleaner for wood, &c. No. 89,930; Jan. 21; Gaz. vol. 186; p. 794.
- Laufer, Wolf, Mickinia, near Cracow, Austria-Hungary. Certain named construction materials. No. 92,238; June 24; Gaz. vol. 191; p. 1063.
- Lavine, Chas., New York, N. Y. Outer coats, suits, dresses, and skirts. No. 94,458; Dec. 9; Gaz. vol. 197; p. 528.
- Lawall, Frank, Easton, Pa. Ointments. No. 90,551; Mar. 4; Gaz. vol. 188; p. 238.
- Lawrence, Alice E., Chicago, Ill. Noodles. No. 90,222; Feb. 11; Gaz. vol. 187; p. 509.
- Lawrence Manufacturing Company, Lowell and Boston, Mass. Certain named underwear. No. 94,733; Dec. 30; Gaz. vol. 197; p. 1287.
- Lawson, Wilson and Company, Limited, Dublin, Ireland. Stout. No. 90,900; Apr. 1; Gaz. vol. 189; p. 248.
- Lawther, Joseph E., Dallas, Tex. Chicken feed. No. 93,279; Sept. 2; Gaz. vol. 194; p. 269.
- Lawton, Jordan & Co., Macon, Ga. Evaporated milk. No. 94,186; Nov. 11; Gaz. vol. 196; p. 522.
- Layton Pure Food Company, East St. Louis, Ill. Baking-powder and baking-soda. No. 90,352; Feb. 18; Gaz. vol. 187; p. 825.
- Layton Pure Food Company, St. Louis, Mo., and East St. Louis, Ill. Baking powder and soda. No. 91,221; Apr. 22; Gaz. vol. 189; p. 1027.
- Layton Pure Food Company, St. Louis, Mo., and East St. Louis, Ill. Baking powder and soda. No. 91,975; June 10; Gaz. vol. 191; p. 582.
- Lazarus & Co., F. & R., The, Columbus, Ohio. Boys' suits and overcoats. No. 90,005; Jan. 28; Gaz. vol. 186; p. 982.
- Lazarus & Co., F. & R., Columbus, Ohio. Hosiery. No. 90,645; Mar. 11; Gaz. vol. 188; p. 509.
- Lazarus & Co., F. & R., The, Columbus, Ohio. Men's suits and overcoats. No. 91,356; Apr. 29; Gaz. vol. 189; p. 1276.
- Lazell, Perfumer, New York, N. Y. Perfume and toilet water. No. 92,565; July 15; Gaz. vol. 192; p. 739.
- Le Bar, Mary, West Bingham, Pa. Blood-purifiers, salves, &c. No. 93,186; Aug. 26; Gaz. vol. 193; p. 1012.
- Leader Iron Works, Decatur township, Macon county, Ill. Pumps. No. 92,688; July 22; Gaz. vol. 192; p. 985.
- Lebanon Chemical Co., Lebanon, Pa. Disinfectant and insecticide. No. 94,291; Nov. 25; Gaz. vol. 196; p. 1048.
- Lebanon Co-Operative Medicine Co., Lebanon, Tenn. Remedy for certain named diseases. No. 94,292; Nov. 25; Gaz. vol. 196; p. 1048.
- Lechler, Paul, Stuttgart, Germany. Water-repelling preservative paints for certain named surfaces. No. 90,353; Feb. 18; Gaz. vol. 187; p. 825.
- Lechner & Schoenberger Company, Pittsburgh, Pa. Piano-backs. No. 91,585; May 13; Gaz. vol. 190; p. 544.
- Lederer, Henry C., Stockton, Cal. Fat-reducing preparation. No. 93,873; Oct. 21; Gaz. vol. 195; p. 813.
- Lee County Packing Co., Fort Myers, Fla. Oranges, lemons, grape-fruit, limes, and tangerines. No. 93,280; Sept. 2; Gaz. vol. 194; p. 270.
- Lee, Harry A., Atlantic City, N. J. Fountain-pens. No. 91,775; May 27; Gaz. vol. 190; p. 1024.
- Lee Paper Company, Vicksburg, Mich. Writing-paper. No. 91,776; May 27; Gaz. vol. 190; p. 1024.
- Lee Tire & Rubber Co., Whitmarsh township, Montgomery county, Pa. Certain tires, tubes, patches, cases, and rubber tubing. No. 93,493; Sept. 16; Gaz. vol. 194; p. 741.
- Lee Tire & Rubber Co., Whitmarsh township, Montgomery county, Pa. Rubber tires and tubing. No. 93,549; Sept. 23; Gaz. vol. 194; p. 948.
- Lee Tire & Rubber Co., Whitmarsh township, Montgomery county, Pa. Motor-vehicle horns. No. 93,733; Oct. 14; Gaz. vol. 195; p. 535.
- Lee Tire & Rubber Co., Whitmarsh township, Montgomery county, Pa. Certain named surgical goods. Nos. 94,091-2; Nov. 4; Gaz. vol. 196; p. 270.
- Lee Tire & Rubber Co., Whitmarsh township, Montgomery county, Pa. Rubber tires and tubing, inner tubes and cases, and valve-patches. No. 94,734; Dec. 30; Gaz. vol. 197; p. 1288.
- Leeds, Walter S., Chicago, Ill. Steels. No. 90,552; Mar. 4; Gaz. vol. 188; p. 238.
- Lemon Beer Company, San Diego, Cal. Syrup extract. No. 94,293; Nov. 25; Gaz. vol. 196; p. 1048.
- Lemon Seidlitz Company, The, Baltimore, Md. Sedlitz-powders. No. 92,239; June 24; Gaz. vol. 191; p. 1063.
- Lemy, Pierre C., Paris, France. Certain foods. No. 93,281; Sept. 2; Gaz. vol. 194; p. 270.
- Lenore Cosmetic Co., Chicago, Ill. Face-cream. No. 90,716; Mar. 18; Gaz. vol. 188; p. 804.
- Leonhardt & Co., Schoenberg, near Berlin, Germany. Horseshoe-calks. No. 91,222; Apr. 22; Gaz. vol. 189; p. 1027.
- Less & Arenson Co., Little Rock, Ark. Certain named clothing for men. No. 92,689; July 22; Gaz. vol. 192; p. 985.
- Letts, Arthur, Los Angeles, Cal. Sewing-machines. No. 90,901; Apr. 1; Gaz. vol. 189; p. 248.
- Letts, Arthur, Los Angeles, Cal. Handkerchiefs. No. 91,294; Apr. 22; Gaz. vol. 189; p. 1029.
- Letts, Arthur, Los Angeles, Cal. Hair and tooth brushes. No. 91,357; Apr. 29; Gaz. vol. 189; p. 1276.
- Letts, Arthur, Los Angeles, Cal. Leather or canvas shoes. No. 91,493; May 6; Gaz. vol. 190; p. 260.
- Letts, Arthur, Los Angeles, Cal. Hosiery. No. 92,690; July 22; Gaz. vol. 192; p. 985.
- Letts, Arthur, Los Angeles, Cal. Soap. No. 93,874; Oct. 21; Gaz. vol. 195; p. 813.
- Lever Brothers Company, Portland, Me., and Cambridge, Mass. Soap and scouring compound. No. 90,450; Feb. 25; Gaz. vol. 187; p. 1112.
- Levinstein, Edgar, Boston, Mass. Certain kind of oil used for washing and removing greases. No. 90,030; Jan. 28; Gaz. vol. 186; p. 982.
- Levy, Louis, Brooklyn, N. Y. Combined corset-cover and bust-supporter. No. 90,902; Apr. 1; Gaz. vol. 189; p. 248.
- Levy, Maurice, New York, N. Y. Powder-puffs. No. 93,605; Sept. 30; Gaz. vol. 194; p. 1137.

Alphabetical list of registrants of trade-marks—Continued.

- Levy, Maxwell, Chicago, Ill. Broken glass. No. 94,459; Dec. 9; Gaz. vol. 197; p. 528.
- Lewis A. Crossett, Inc., North Abington, Mass. Boots and shoes. No. 90,685; Mar. 18; Gaz. vol. 188; p. 803.
- Lewis, John, St. Louis, Mo. Polish for silverware, &c. No. 92,899; Aug. 5; Gaz. vol. 193; p. 216.
- Lewis, Oliver E., Oshkosh, Wis. Tonic beverages and syrups for the same. No. 89,758; Jan. 7; Gaz. vol. 186; p. 285.
- Lexington Flouring Mills, Lexington, Mo. Wheat-flour. No. 92,806; July 29; Gaz. vol. 192; p. 1256.
- Lexington Mill & Elevator Co., Lexington, Nebr. Wheat-flour. No. 92,240; June 24; Gaz. vol. 191; p. 1063.
- Libby, McNeill & Libby, Chicago, Ill. Canned peaches, plums, apricots, pears, and cherries. No. 94,008; Oct. 28; Gaz. vol. 195; p. 1046.
- Liberty & Co., Limited, London, England. Certain named fancy goods, furnishings, and notions. No. 92,086; June 17; Gaz. vol. 191; p. 826.
- Liberty Mills, Nashville, Tenn. Wheat-flour. No. 90,999; Apr. 8; Gaz. vol. 189; p. 518.
- Liberty Publishing Co., Cleveland, Ohio. Periodicals. No. 89,755; Jan. 7; Gaz. vol. 186; p. 285.
- Lich, Robert, Sutton, Nebr. Dentifrice. No. 94,245; Nov. 18; Gaz. vol. 196; p. 801.
- Lichtermann, William, San Francisco, Cal. Shampoo preparation. No. 92,691; July 22; Gaz. vol. 192; p. 985.
- Liez, Emile J., Paris, France. Ladies' and children's hats. No. 90,354; Feb. 18; Gaz. vol. 187; p. 825.
- Lifter, Joseph J., Philadelphia, Pa. Ice-cream and ices. No. 90,223; Feb. 11; Gaz. vol. 187; p. 509.
- Lifter, Joseph J., Philadelphia, Pa. Ice-cream and ices. No. 93,550; Sept. 23; Gaz. vol. 194; p. 948.
- Lightfoot, Roy, San Antonio, Tex. Hair-restorer. No. 93,506; Sept. 16; Gaz. vol. 194; p. 742.
- Lighting Studios Company, New York, N. Y. Glass lamp shades, domes, and globes. No. 94,460; Dec. 9; Gaz. vol. 197; p. 528.
- Lightning Rug-Newer Co., Keokuk, Iowa. Cleaner for certain household goods. No. 94,093; Nov. 4; Gaz. vol. 196; p. 270.
- Lignum Chemical Works, The, Brooklyn, N. Y. Moth-preventive. No. 93,000; Aug. 12; Gaz. vol. 193; p. 505.
- Lignum Chemical Works, Brooklyn, N. Y. Granular sweeping compound. No. 93,734; Oct. 14; Gaz. vol. 195; p. 535.
- Lillie & Lillie, Loma Linda, Cal. Shoe-sole preserver. No. 91,884; June 3; Gaz. vol. 191; p. 288.
- Lily of France Corset Co., New York, N. Y. Corsets. Nos. 91,358-9; Apr. 29; Gaz. vol. 189; p. 1276.
- Lily of France Corset Co., New York, N. Y. Corsets. No. 91,494; May 6; Gaz. vol. 190; p. 260.
- Limper, Ernest, New York, N. Y. Filbert cakes. No. 89,858; Jan. 14; Gaz. vol. 186; p. 553.
- Linck & Sons, William, Philadelphia, Pa. Malt liquors. No. 90,717; Mar. 18; Gaz. vol. 188; p. 804.
- Lincoln Overall & Shirt Company, Lincoln, Nebr. Certain named clothing for women, misses, and children. No. 93,187; Aug. 26; Gaz. vol. 193; p. 1012.
- Lindeke, Warner & Sons, St. Paul, Minn. Hosiery. No. 90,355; Feb. 18; Gaz. vol. 187; p. 825.
- Lindenberger Packing Co., Inc., Seattle, Wash. Canned salmon. No. 94,187; Nov. 11; Gaz. vol. 196; p. 522.
- Lindsay Light Company, Chicago, Ill. Gas-mantles. No. 94,735; Dec. 30; Gaz. vol. 197; p. 1288.
- Lindsey & Geer, Belton, S. C. Liniments. No. 89,931; Jan. 21; Gaz. vol. 186; p. 794.
- Linen Thread Co., The, New York, N. Y. Thread. No. 90,903; Apr. 1; Gaz. vol. 189; p. 248.
- Linen Thread Co., The, New York, N. Y. Twine. No. 91,098; Apr. 15; Gaz. vol. 189; p. 776.
- Linen Underwear Co., The, Greenwich, N. Y. Knit mesh cloth in the piece. No. 90,553; Mar. 4; Gaz. vol. 188; p. 238.
- Linhart, Joseph, New York, N. Y. Remedy for rheumatism, gout, neuralgia, and toothache. No. 90,122; Feb. 4; Gaz. vol. 187; p. 228.
- Lion Paint Works, Inc., New York, N. Y. Calcimine. No. 92,345; July 1; Gaz. vol. 192; p. 212.
- Lipe, George, Salina, Kans. Hog-cholera medicine. No. 91,777; May 27; Gaz. vol. 190; p. 1024.
- Live Stock Remedy Company, The, St. Louis, Mo. Remedy for certain diseases of animals and poultry. No. 92,807; July 29; Gaz. vol. 192; p. 1256.
- Locke Regulator Company, Salem, Me. Certain named plumbing and steam-fitting supplies. No. 93,735; Oct. 14; Gaz. vol. 195; p. 535.
- Lockett Crimping Machine Co., Boston, Mass. Crimping-machines. No. 90,121; Feb. 4; Gaz. vol. 187; p. 228.
- Lomelino, Emanuel F., Springfield, Ill. Baking-powder. No. 93,875; Oct. 21; Gaz. vol. 195; p. 813.
- London & Hyman, New York, N. Y. Work-shirts. No. 93,876; Oct. 21; Gaz. vol. 195; p. 813.
- London, Meyer, New York, N. Y. Unleavened bread. No. 91,360; Apr. 29; Gaz. vol. 189; p. 1276.
- Long, David D., Oswego, N. Y. Sweetened chocolate and candy. No. 93,494; Sept. 16; Gaz. vol. 194; p. 741.
- Longwell-Cummings Co., The, Logansport, Ind. Writing tablets and paper. No. 91,778; May 27; Gaz. vol. 190; p. 1024.
- Loose-Wiles Biscuit Co., Boston, Mass. Biscuit, cakes, and cookies. Nos. 91,099-100; Apr. 15; Gaz. vol. 189; p. 776.
- Loose-Wiles Company, Boston, Mass. Candy. No. 91,675; May 20; Gaz. vol. 190; p. 788.
- Lord Pipe Company, The, New York, N. Y. Tobacco-pipes. No. 90,452; Feb. 25; Gaz. vol. 187; p. 1112.
- Lord & Russell Mfg. Co., Richmond, Va. Talcum powder. No. 93,551; Sept. 23; Gaz. vol. 194; p. 948.
- Lord & Taylor, New York, N. Y. Hosiery. No. 92,692; July 22; Gaz. vol. 192; p. 985.
- Lorraine Mfg. Co., Pawtucket, R. I. Cotton piece goods. No. 94,094; Nov. 4; Gaz. vol. 196; p. 270.
- Lotts, John, Bisbee, Ariz. Soda-water drink. No. 91,101; Apr. 15; Gaz. vol. 189; p. 776.
- Loudon & Son Incorporated, New York, N. Y., assignor to The Woolson Spice Co., Toledo, Ohio. Teas. No. 93,552; Sept. 23; Gaz. vol. 194; p. 948.
- Louis K. Liggett Company, Boston, Mass. Watches. No. 90,451; Feb. 25; Gaz. vol. 187; p. 1112.
- Louisville Cement Company, Louisville, Ky. Lime. No. 94,095; Nov. 4; Gaz. vol. 196; p. 270.
- Lovell-McConnell Manufacturing Company, Newark, N. J. Signal-horns and alarms. No. 90,718; Mar. 18; Gaz. vol. 188; p. 804.
- Lovell-McConnell Manufacturing Company, Newark, N. J. Signal-horns and alarms. No. 91,361; Apr. 29; Gaz. vol. 189; p. 1275.
- Lowe, William T. J., Buffalo, N. Y. Spoon fishing-bait. No. 94,096; Nov. 4; Gaz. vol. 196; p. 270.
- Lowenstern, Ernesto, Madrid, Spain. Perfumes and lotions. No. 92,346; July 1; Gaz. vol. 192; p. 212.
- Lowman, William R., Orangeburg, S. C. Remedies for certain named diseases. No. 92,694; July 22; Gaz. vol. 192; p. 985.
- Lse. Pommery, fils & Cie., Rheims, France. Champagne and sparkling wines. Nos. 92,458-63; July 8; Gaz. vol. 192; p. 513.
- Lse. Pommery, fils & Cie., Rheims, France. Champagne and sparkling wines. Nos. 92,908-10; Aug. 5; Gaz. vol. 193; p. 216.
- Luchs, Morton G., New York, N. Y. Gloves. Nos. 93,877-8; Oct. 21; Gaz. vol. 195; p. 813.
- Ludlow Manufacturing Associates, Boston, Mass. Jute bagging. No. 91,295; Apr. 22; Gaz. vol. 189; p. 1029.
- Ludowici-Celadon Company, Chicago, Ill. Clay roofing-tile. No. 92,435; July 8; Gaz. vol. 192; p. 512.
- Ludwig, William E., Toledo, Ohio. Ointment. No. 91,676; May 20; Gaz. vol. 190; p. 788.
- Lumaghi Coal Company, St. Louis, Mo. Coal. No. 93,879; Oct. 21; Gaz. vol. 195; p. 813.
- Lunkenheimer Company, The, Cincinnati, Ohio. Gages. No. 89,759; Jan. 7; Gaz. vol. 186; p. 286.
- Luscious Fruit Company, Hood River, Oreg. Fresh apples. No. 91,779; May 27; Gaz. vol. 190; p. 1024.
- Lusk, Roy A., New York, N. Y. Prepared mustard. No. 91,586; May 13; Gaz. vol. 190; p. 544.
- Lusk, Roy A., New York, N. Y. Prepared mustard. No. 92,808; July 29; Gaz. vol. 192; p. 1256.
- Luterma G. m. b. H., Lübeck, Germany. Composite sheets of wood. No. 91,224; Apr. 22; Gaz. vol. 189; p. 1027.
- "Luterma" G. m. b. H., Lübeck, Germany. Chair-seats. No. 93,367; Sept. 9; Gaz. vol. 194; p. 546.
- Lutey Bros., Butte, Mont. Certain named foods. Nos. 91,780-2; May 27; Gaz. vol. 190; p. 1024.
- Luttrell & Delevett, Philadelphia, Pa. Candy. No. 89,859; Jan. 14; Gaz. vol. 186; p. 553.
- Luxfer Cigar Company, The, Hellam, Pa. Cigars, cheroots, and cigarettes. No. 90,031; Jan. 28; Gaz. vol. 186; p. 982.
- Luzier, Pattie P., Kansas City, Mo. Certain named toilet preparations. No. 90,654; Mar. 11; Gaz. vol. 188; p. 510.
- Lydon Manufacturing Company, Chicago, Ill. Valves for gas-engines. No. 93,100; Aug. 19; Gaz. vol. 193; p. 750.
- Lye & Sons, T., Luton, England. Partly-prepared straw and chip. No. 93,188; Aug. 26; Gaz. vol. 193; p. 1012.
- Lye & Sons, T., Luton, England. Straw and chip plait. No. 93,189; Aug. 26; Gaz. vol. 193; p. 1012.
- Lye & Sons, T., Luton, England. Preparation for bleaching straw plait. No. 93,243; Aug. 26; Gaz. vol. 193; p. 1014.
- Lyra Vergaserfabrik Dietz und Compagnie, Dresden, Germany. Carbureters for explosion-engines. No. 94,461; Dec. 9; Gaz. vol. 197; p. 528.
- Lynn Rubber Manufacturing Company, Lynn, Mass. Arch-supports to be inserted in shoes. No. 93,606; Sept. 30; Gaz. vol. 194; p. 1137.
- Lyon Blood Purifier Company, Atlanta, Ga. Blood-purifier. No. 94,097; Nov. 4; Gaz. vol. 196; p. 270.
- Lyon & Healy, Chicago, Ill. Strings for musical instruments, drum and banjo heads. No. 94,009; Oct. 28; Gaz. vol. 195; p. 1046.
- Lyon's Salt Co., Kansas City, Mo. Salt. No. 94,010; Oct. 28; Gaz. vol. 195; p. 1046.
- Lyrachord Company, New York, N. Y. Pianos, piano-players, and piano-actions. No. 93,451; Sept. 16; Gaz. vol. 194; p. 740.

Alphabetical list of registrants of trade-marks—Continued.

- Lyster Chemical Co., Lawrence, Mass. Preparation for preserving wood. No. 93,452; Sept. 16; Gaz. vol. 194; p. 740.
- M. Alshuler Company, Waukegan, Ill. Ladies' wash-dresses and negligees. No. 94,708; Dec. 30; Gaz. vol. 197; p. 1287.
- M. Brodsky & Co., Inc., New York, N. Y. Sewing-threads. No. 91,413; Apr. 29; Gaz. vol. 189; p. 1278.
- M. Rumely Company, Laporte, Ind. Traction-engines. No. 91,605; May 13; Gaz. vol. 190; p. 545.
- M. A. Packard Co., Brockton, Mass. Leather shoes. No. 91,994; June 10; Gaz. vol. 191; p. 583.
- M. B. Schenck Company, The, Meriden, Conn. Casters. No. 90,383; Feb. 18; Gaz. vol. 187; p. 826.
- M. B. Schenck Company, The, Meriden, Conn. Casters. No. 90,585; Mar. 4; Gaz. vol. 188; p. 239.
- M. M. Graves Company, Houston, Tex. Cotton and jute bagging. No. 93,714; Oct. 14; Gaz. vol. 195; p. 534.
- M. S. Hallock Company, Rocky Point, N. Y. Poultry, fruits, and vegetables. No. 94,370; Dec. 2; Gaz. vol. 197; p. 235.
- Maas & Co., Chicago, Ill. Cough remedy. No. 93,244; Aug. 26; Gaz. vol. 193; p. 1014.
- Maatschappij tot Exploitatie van Rademarer's Koninklijke Cacao & Chocoladefabrieken, The Hague, Netherlands. Sugar candy. No. 89,860; Jan. 14; Gaz. vol. 186; p. 553.
- MacClemmy, Robert F., New Haven, Conn. Body-braces. Nos. 92,242-3; June 24; Gaz. vol. 191; p. 1063.
- MacCready, William F., Detroit, Mich. Rheumatic medicines. No. 93,453; Sept. 16; Gaz. vol. 194; p. 740.
- MacDermot, Louis M., Oakland, Cal. Steam-traps. No. 89,861; Jan. 14; Gaz. vol. 186; p. 553.
- Mac-It Parts Company, Lancaster, Pa. Bar-steel and steel castings. No. 91,885; June 3; Gaz. vol. 191; p. 288.
- Mac-It Parts Company, Lancaster, Pa. Screws. No. 91,886; June 3; Gaz. vol. 191; p. 288.
- Macdonald, James, New York, N. Y. Shampoo preparations, perfumes, sachets, and toilet waters. No. 94,462; Dec. 9; Gaz. vol. 197; p. 528.
- Mace & Son, Lake Helen, Fla. Peaches and certain named citrus fruits. No. 92,347; July 1; Gaz. vol. 192; p. 212.
- Machen & Mayer Electrical Manufacturing Company, Camden, N. J., and Philadelphia, Pa. Certain named electric supplies. No. 90,356; Feb. 18; Gaz. vol. 187; p. 825.
- Machenbach Importing Co., New York, N. Y. Laces, shawls, and scarfs. No. 94,098; Nov. 4; Gaz. vol. 196; p. 270.
- Machenbach Importing Co., New York, N. Y. Embroideries. No. 94,463; Dec. 9; Gaz. vol. 197; p. 528.
- Mack, Heinrich, Ulm, Germany. Sachet scent and perfume for toilet and bath. No. 91,677; May 20; Gaz. vol. 190; p. 788.
- Mackay, Hugh, Los Angeles, Cal. Certain compound for preserving leathers. No. 92,900; Aug. 5; Gaz. vol. 193; p. 216.
- Mackedon, Francis T., Brockton, Mass. Child's swing. No. 94,246; Nov. 18; Gaz. vol. 196; p. 801.
- Mackevich, Mrs. E., Powers, Mich. Milk compounds. No. 90,357; Feb. 18; Gaz. vol. 187; p. 825.
- Mackey, Allie B., Birmingham, Ala. Washing fluid. No. 92,436; July 8; Gaz. vol. 192; p. 512.
- Mackie, Oswald M., Brantford, Ontario, Canada. Tire-fillers. No. 93,638; Oct. 7; Gaz. vol. 195; p. 271.
- Mackintosh Manor, Missoula and Superior, Mont., and New York, N. Y. Fresh fruit and potatoes. No. 92,087; June 17; Gaz. vol. 191; p. 826.
- Macy, Thomas R., New York, N. Y. Tea. No. 90,904; Apr. 1; Gaz. vol. 189; p. 248.
- Madame Nordica's Company, Wilmington, Del., and New York, N. Y. Bath-powders and a remedy for obesity. No. 90,568; Mar. 4; Gaz. vol. 188; p. 239.
- Maegerlein, Firm of Wm., Chicago, Ill. Prepared skins for racking beer. No. 93,368; Sept. 9; Gaz. vol. 194; p. 546.
- Magliaro, Antonio, Atlantic City, N. J. Hair-restorer. No. 94,788; Dec. 30; Gaz. vol. 197; p. 1289.
- Magnano, Antonio, Seattle, Wash. Alimentary paste and olive-oil. No. 94,387; Dec. 2; Gaz. vol. 197; p. 236.
- Magnolia Paper Co., Houston, Tex. Wrapping-paper. No. 89,932; Jan. 21; Gaz. vol. 186; p. 794.
- Magrane Houston Company, Boston, Mass. Hosiery. No. 93,102; Aug. 19; Gaz. vol. 193; p. 750.
- Maguire Miller & Co., Liverpool, England. Matches. No. 90,453; Feb. 25; Gaz. vol. 187; p. 1112.
- Maichler, Carl, Erie, Pa. Remedy for the treatment of thrush or hoof-rot. No. 91,225; Apr. 22; Gaz. vol. 189; p. 1027.
- Mail and Express Company, New York, N. Y. Advertising portions of publications. No. 92,566; July 15; Gaz. vol. 192; p. 739.
- Maillett Company, A. A., New York, N. Y. Liquid preparation for cleaning white buckskin and canvas shoes. No. 90,033; Jan. 28; Gaz. vol. 186; p. 982.
- Mailometer Company, Detroit, Mich. Combined sealing and stamping machines. No. 93,103; Aug. 19; Gaz. vol. 193; p. 750.
- Main Belting Company, Philadelphia, Pa. Machine-belt-ing. No. 92,695; July 22; Gaz. vol. 192; p. 985.
- Majestic Dress Form Company, Chicago, Ill. Dress-forms. No. 92,901; Aug. 5; Gaz. vol. 193; p. 216.
- Major Manufacturing Company, New York, N. Y. Cement. No. 90,820; Mar. 25; Gaz. vol. 188; p. 1048.
- Malaga Packing Co., Malaga, Cal. Raisins. No. 92,567; July 15; Gaz. vol. 192; p. 739.
- Mallory & Co., E. B., Baltimore, Md. Canned fish, oysters, fruits, and vegetables. No. 89,862; Jan. 14; Gaz. vol. 186; p. 553.
- Malt Food Products Company of Oswego, N. Y., Oswego, N. Y. Table-syrup. No. 93,880; Oct. 21; Gaz. vol. 195; p. 813.
- Maltbie, Birdsey L., assignor to Maltbie Chemical Company, Newark, N. J. Certain medicinal remedy for certain named diseases. No. 94,789; Dec. 30; Gaz. vol. 197; p. 1289.
- Maltbie Chemical Company. (See Maltbie, Birdsey L., assignor.)
- Manatee Fruit Co., Palmetto and Tampa, Fla. Oranges and grape-fruit. No. 90,454; Feb. 25; Gaz. vol. 187; p. 1112.
- Manatee Fruit Co., Palmetto and Tampa, Fla. Oranges and grape-fruit. No. 94,649; Dec. 23; Gaz. vol. 197; p. 993.
- Maney Milling Company, Omaha, Nebr. Wheat-flour. No. 92,809; July 29; Gaz. vol. 192; p. 1256.
- Mangrané Hermanos Raison Sociale Societé Privilegee, Tortosa, Spain. Olive-oil. No. 90,034; Jan. 28; Gaz. vol. 186; p. 982.
- Manhattan Rubber Mfg. Co., Passaic, N. J. Rubber gland-packing. No. 92,438; July 8; Gaz. vol. 192; p. 512.
- Manhattan Rubber Mfg. Co., The, Passaic, N. J. Rubber pipe-coupler rings, piston-packing, pump-valves, &c. No. 94,099; Nov. 4; Gaz. vol. 196; p. 270.
- Manissadjian, Haigasun B., deceased; M. M. Manissadjian, inheritress, assignor to Society of Chemical Industry in Basle, Basel, Switzerland. Photographic plates and films and kinematograph-films. No. 94,188; Nov. 11; Gaz. vol. 196; p. 522.
- Manistee Shoe Mfg. Co., Manistee, Mich., and Chicago, Ill. Sheepskin moccasins, slippers, booties, &c. No. 92,696; July 22; Gaz. vol. 192; p. 985.
- Mannen & Esterly Co., The, Cleveland, Ohio. Hot-air furnaces, gas-heaters, clothes-driers, &c. No. 93,190; Aug. 26; Gaz. vol. 193; p. 1012.
- Manning, Bowman & Co., Meriden, Conn. Imitation wood. No. 94,464; Dec. 9; Gaz. vol. 197; p. 528.
- Mansell Chemical Company, New York, N. Y. Certain named pharmaceutical preparations. No. 91,423; Apr. 29; Gaz. vol. 189; p. 1278.
- Manss Shoe Mfg. Co., The, Cincinnati, Ohio. Leather boots and shoes. No. 92,811; July 29; Gaz. vol. 192; p. 1256.
- Mantle Lamp Company of America, The, Chicago, Ill. Mantles. No. 90,646; Mar. 11; Gaz. vol. 188; p. 510.
- Manufacturers Can Co., The, Newark, N. J. Cans. No. 92,244; June 24; Gaz. vol. 191; p. 1063.
- Manufacturers and Retailers Company, Chicago, Ill. Grape-juice. No. 92,349; July 1; Gaz. vol. 192; p. 212.
- Manville Company, Providence, R. I. Napkins. No. 94,560; Dec. 16; Gaz. vol. 197; p. 777.
- Marblehead Lime Company, Chicago, Ill. Lime. Nos. 92,245-6; June 24; Gaz. vol. 191; p. 1063.
- Marcy Company, Boston, Mass. Chologogue. No. 92,088; June 17; Gaz. vol. 191; p. 826.
- Margarella, Pasquale, New York, N. Y. Candies, chocolates, and bonbons. No. 91,587; May 13; Gaz. vol. 190; p. 544.
- Margerison & Co., W. H. & A. E., Philadelphia, Pa. Turkish towels and bath-rugs. No. 90,905; Apr. 1; Gaz. vol. 189; p. 248.
- Maria Cristina Compania Manufacturera de Tabacos y Cigarrillos, Ld., Manila, Philippine Islands. Cigars and cigarettes. Nos. 91,852-3; June 3; Gaz. vol. 191; p. 287.
- Maria Cristina Compania Manufacturera de Tabacos y Cigarrillos, Ld., Manila, Philippine Islands. Cigars and cigarettes. Nos. 92,089-91; June 17; Gaz. vol. 191; p. 826.
- Marietta Paint & Color Co., Marietta, Ohio. Surfacer, paste fillers, and wood-stains. No. 89,760; Jan. 7; Gaz. vol. 186; p. 286.
- Marietta Paint & Color Co., The, Marietta, Ohio. Certain paints, wax, and compounds for certain named uses. No. 90,358; Feb. 18; Gaz. vol. 187; p. 825.
- Marietta Paint & Color Co., The, Marietta, Ohio. Varnish-stain. No. 94,189; Nov. 11; Gaz. vol. 196; p. 522.
- Marinello Company, The, Chicago, Ill. Certain named toilet preparations. No. 94,790; Dec. 30; Gaz. vol. 197; p. 1289.
- Marinette Knitting Mills, Marinette, Wis. Knitted fabrics. No. 94,527; Dec. 9; Gaz. vol. 197; p. 530.
- Marion Shoe Company, Marion, Ind. Men's and boys' leather shoes. No. 94,465; Dec. 9; Gaz. vol. 197; p. 528.
- Marjenhoff Company, The, Charleston, S. C. Biscuits. No. 89,864; Jan. 14; Gaz. vol. 186; p. 553.
- Mark Cross Company, New York, N. Y. Certain cutlery. No. 92,959; Aug. 12; Gaz. vol. 193; p. 503.

Alphabetical list of registrants of trade-marks—Continued.

- Markem Machine Co., Boston, Mass. Printing-ink. No. 89,933; Jan. 21; Gaz. vol. 186; p. 794.
- Markowitz, Herman, New York, N. Y. Ladies' coats and cloaks. No. 90,124; Feb. 4; Gaz. vol. 187; p. 228.
- Markt & Co., New York, N. Y. Certain named cutlery, tools, and parts thereof. No. 91,495; May 6; Gaz. vol. 190; p. 260.
- Markt & Hammacher Company, New York, N. Y. Gas-mantles. No. 91,496; May 6; Gaz. vol. 190; p. 260.
- Marlborough Company, Reading, Pa. Lotion, ointment, powders, cream, and hair-tonic. No. 90,557; Mar. 4; Gaz. vol. 188; p. 239.
- Marquette Company, The, Detroit, Mich. Automobiles and motor-trucks. No. 93,191; Aug. 26; Gaz. vol. 193; p. 1012.
- Marshall Chemical Co., Inc., Great Neck, N. Y. Remedy for cramps, &c. No. 91,497; May 6; Gaz. vol. 190; p. 260.
- Marshall Field & Company, Chicago, Ill. Dress-shields and kid curlers. No. 93,087; Aug. 19; Gaz. vol. 193; p. 749.
- Marshall Field & Company, Chicago, Ill. Gloves. No. 93,881; Oct. 21; Gaz. vol. 195; p. 813.
- Marshall Oil Company of Iowa, Marshalltown, Iowa. Furniture-polish. No. 91,102; Apr. 15; Gaz. vol. 189; p. 776.
- Martens, F. T., San Francisco, Cal. Wine. No. 92,092; June 17; Gaz. vol. 191; p. 827.
- Martin, Charles H., New York, N. Y. Remedy for abortion and sterility in domestic animals. No. 93,282; Sept. 2; Gaz. vol. 194; p. 270.
- Martin-Senour Company, The, Chicago, Ill. Paints and varnishes. No. 93,370; Sept. 9; Gaz. vol. 194; p. 546.
- Martz, Charles M., Arcadia, Ind. Canned vegetables. No. 92,810; July 29; Gaz. vol. 192; p. 1256.
- Marx, Rose, Brooklyn, N. Y. Hair-tonics. No. 91,424; Apr. 29; Gaz. vol. 189; p. 1278.
- Marysville Cabinet Co., The, Marysville, Ohio. Certain named furniture. No. 91,002; Apr. 8; Gaz. vol. 189; p. 518.
- Maschinen- Cartonnagen- & Pappenfabrik Wächtersbach Fried. Christian, Wächtersbach, Germany. Heat-insulating cases for receptacles. No. 90,821; Mar. 25; Gaz. vol. 188; p. 1048.
- Maschinenfabrik Georg Schwager, Berlin, Germany. Shock absorbers or reducers for vehicles. No. 90,225; Feb. 11; Gaz. vol. 187; p. 509.
- Masengill Bros. Company, Bristol, Tenn. Ointment. No. 94,011; Oct. 28; Gaz. vol. 195; p. 1046.
- Mason, Frederic S., New York, N. Y. Perfumes. No. 93,245; Aug. 26; Gaz. vol. 193; p. 1014.
- Mason, Sanborn & Ramsdell Co., Boston, Mass. Certain foods. No. 93,283; Sept. 2; Gaz. vol. 194; p. 270.
- Mason, Thomas W., Fife Lake, Mich. Fly and insect killer. No. 93,371; Sept. 9; Gaz. vol. 194; p. 546.
- Massachusetts Chocolate Company, Boston, Mass. Chocolate and cocoa. No. 90,720; Mar. 18; Gaz. vol. 188; p. 804.
- Massachusetts Corset Company, Worcester, Mass. Corsets. No. 91,976; June 10; Gaz. vol. 191; p. 582.
- Mathias & Co., Albert, El Paso, Tex. Denim overalls and blouses. No. 90,226; Feb. 11; Gaz. vol. 187; p. 509.
- Matthes and Sons, Edward F., Viola, Wis. Remedy for cancer and blood-poisoning. No. 90,721; Mar. 18; Gaz. vol. 188; p. 804.
- Matthews & Co., George T., New York, N. Y. Teas. No. 92,697; July 22; Gaz. vol. 192; p. 985.
- Matthews & Lively, Atlanta, Ga. Razors, razor-blades, and shears. No. 93,736; Oct. 14; Gaz. vol. 195; p. 535.
- Matthews & Lively, Atlanta, Ga. Razors and razor-blades. Nos. 94,736-7; Dec. 30; Gaz. vol. 197; p. 1288.
- Mattoch, Robert L., Chicago, Ill. Violin-strings. No. 93,454; Sept. 16; Gaz. vol. 194; p. 740.
- Maupin, Louis D., Pueblo, Colo. Device for dusting and surfacing white canvas or buckskin shoes. No. 92,351; July 1; Gaz. vol. 192; p. 212.
- Maurice Frings & Cie., Paris, France. Certain named knitted, netted, and textile fabrics. Nos. 92,416-17; July 8; Gaz. vol. 192; p. 512.
- Max-i-mol Pharmacal Company, The, Chicago, Ill. Medicinal agents for the treatment of constipation. No. 93,553; Sept. 23; Gaz. vol. 194; p. 948.
- May, Henry, & Geo. F. Nelson, Washington, D. C. Massage-vibrators. No. 90,035; Jan. 28; Gaz. vol. 186; p. 983.
- Mayer, Alfred, Philadelphia, Pa. Candy. No. 92,353; July 1; Gaz. vol. 192; p. 212.
- Mayer Bros., Chicago, Ill. Coats, vests, trousers, and overcoats. Nos. 92,812-13; July 29; Gaz. vol. 192; p. 1256.
- Mayer, Edward E., Jersey City, N. J. Jock-straps and suspensories. No. 91,588; May 13; Gaz. vol. 190; p. 544.
- Mayer, Harry H., New York, N. Y. Foot-salve. No. 94,012; Oct. 28; Gaz. vol. 195; p. 1046.
- Mayer, Josef, Hohenaschau, Germany. Letter-paper and envelopes. No. 93,003; Aug. 12; Gaz. vol. 193; p. 505.
- Mayer, Josef, Hohenaschau, Germany. Letter-papers and envelopes. No. 93,455; Sept. 16; Gaz. vol. 194; p. 740.
- Mayer, Saul, New York, N. Y. Hosiery. No. 94,650; Dec. 23; Gaz. vol. 197; p. 993.
- Mayer-Weismann, Alfred, Boston, Mass. Art-needlework literature. No. 92,439; July 8; Gaz. vol. 192; p. 512.
- Mayhew, Benjamin F., Chilmark, Mass. Liniments. No. 92,247; June 24; Gaz. vol. 191; p. 1063.
- Mayne, Caroline, New York, N. Y. Pills for the stomach and liver. No. 94,791; Dec. 30; Gaz. vol. 197; p. 1289.
- Mayo Bros., Washington, D. C. Coffee. No. 92,354; July 1; Gaz. vol. 192; p. 212.
- Maysville Syrup Company, Maysville, Ky. Tonic beverages. No. 94,013; Oct. 28; Gaz. vol. 195; p. 1046.
- McCandless, B. W., Los Angeles, Cal. Perfumes. No. 90,554; Mar. 4; Gaz. vol. 188; p. 238.
- McCleary, Wallin & Crouse, Amsterdam, N. Y. Textile rugs. No. 92,102; June 17; Gaz. vol. 191; p. 827.
- McCleskey, James R., St. Louis, Mo. Monthly magazines. No. 92,704; July 22; Gaz. vol. 192; p. 985.
- McCormick & Co., Baltimore, Md. Liniments. No. 90,224; Feb. 11; Gaz. vol. 187; p. 509.
- McCreedy, George S., Brooklyn, N. Y. Talcum, sachet, and face powders, face-cream, and perfume. No. 94,388; Dec. 2; Gaz. vol. 197; p. 236.
- McCullough, Thomas, Chicago, Ill. Root-filling for teeth. No. 90,555; Mar. 4; Gaz. vol. 188; p. 239.
- McCurdy Company, Dwight B., The, Chicago, Ill. Flavoring extracts. No. 91,783; May 27; Gaz. vol. 190; p. 1024.
- McDonagh, A. J., Toronto, Ontario, Canada. Tooth-brushes. No. 93,883; Oct. 21; Gaz. vol. 195; p. 813.
- McDonald, Charles C., Elyria, Ohio. Canned pork and beans in tomato sauce. No. 93,737; Oct. 14; Gaz. vol. 195; p. 535.
- McDonald Milling Company, McDonald, Pa. Wheat-flour. No. 91,784; May 27; Gaz. vol. 190; p. 1024.
- McEwan & Co., John, Edinburgh, Scotland. Whisky. No. 92,357; July 1; Gaz. vol. 192; p. 212.
- McEwan & Co., William, Edinburgh, Scotland. Beer. No. 94,295; Nov. 25; Gaz. vol. 196; p. 1048.
- McGee, Alice A., Glendale, Cal. Hair-restorative. No. 94,296; Nov. 25; Gaz. vol. 196; p. 1048.
- McGinley, Evelyn G., Roxbury, Mass. Menstrual protectors. No. 92,249; June 24; Gaz. vol. 191; p. 1063.
- McGinnis, Loyd, Canton, Ill. Leather shoes. No. 94,528; Dec. 9; Gaz. vol. 197; p. 530.
- McGinnis-Meehan Co., Inc., New York, N. Y. Razor-strops. No. 93,284; Sept. 2; Gaz. vol. 194; p. 270.
- McGraw, Albert P., McGraw, N. Y. Natural spring-water. No. 89,937; Jan. 21; Gaz. vol. 186; p. 794.
- McGraw, Carl O., Gadsden, Ala. Non-intoxicating tonic beverages. No. 93,738; Oct. 14; Gaz. vol. 195; p. 535.
- McIlvaine & Baldwin, New York, N. Y. Whisky. No. 89,867; Jan. 14; Gaz. vol. 186; p. 553.
- McIntosh and Alberts, Chicago, Ill. Brooms. No. 90,556; Mar. 4; Gaz. vol. 188; p. 239.
- McKee, Thomas D., McKeesport, Pa. Laxatives and cathartics. No. 90,123; Feb. 4; Gaz. vol. 187; p. 228.
- McKelvey Co., New York, N. Y. Trading-stamps. No. 92,444; July 8; Gaz. vol. 192; p. 512.
- McKenna Bros. Brass Co., Pittsburgh, Pa. Faucets. No. 90,719; Mar. 18; Gaz. vol. 188; p. 804.
- McKenna Bros. Brass Co., Pittsburgh, Pa. Bottling device. No. 92,570; July 15; Gaz. vol. 192; p. 739.
- McNab Company, Bridgeport, Conn. Signals for determining the temperature of sea-water and air. No. 91,498; May 6; Gaz. vol. 190; p. 260.
- McKnight Tailoring Company, St. Louis, Mo. Clothing for men. No. 93,192; Aug. 26; Gaz. vol. 193; p. 1012.
- McLaren, Walter, Dayton, Ohio. Ice-cream cones. No. 93,639; Oct. 7; Gaz. vol. 195; p. 271.
- McLeish, Wm., Appleton, Wis. Car-movers. No. 92,103; June 17; Gaz. vol. 191; p. 827.
- McLoud, Charles E., Rochester, N. Y. Ointment. No. 94,247; Nov. 18; Gaz. vol. 196; p. 801.
- McNamara, Michael, Detroit, Mich. Liquid first-coater. No. 94,561; Dec. 16; Gaz. vol. 197; p. 777.
- McQuade, John, Brooklyn, N. Y. Floor-oil. No. 92,104; June 17; Gaz. vol. 191; p. 827.
- Meadows Mfg. Co., Pontiac, Ill. Wagon-dumps. No. 93,884; Oct. 21; Gaz. vol. 195; p. 813.
- Mechanical Rubber Co., The, New York, N. Y., and Cleveland, Ohio. Rubber mats. No. 92,698; July 22; Gaz. vol. 192; p. 985.
- Mechanical Rubber Co., The, New York, N. Y., and Cleveland, Ohio. Rubber water-bottles and syringes. No. 92,699; July 22; Gaz. vol. 192; p. 985.
- Mechanical Rubber Co., The, New York, N. Y., and Cleveland, Ohio. Rubber tubing. No. 92,700; July 22; Gaz. vol. 192; p. 985.
- Mechanical Rubber Company, The, Jersey City, N. J.; New York, N. Y., and Cleveland, Ohio. Hose. No. 94,466; Dec. 9; Gaz. vol. 197; p. 528.
- Mechanics Union Overall Co., New York, N. Y. Overalls. No. 94,529; Dec. 9; Gaz. vol. 197; p. 530.
- Medici Society Ltd., The, London, England. Certain fine-art publications and prints. No. 90,227; Feb. 11; Gaz. vol. 187; p. 509.
- Meehan & Co., W. H., Springfield, Mass. Cigars. No. 94,739; Dec. 30; Gaz. vol. 197; p. 1288.
- Megler, Joseph G., Brookfield, Wash. Canned salmon. No. 89,865; Jan. 14; Gaz. vol. 186; p. 553.

- Meier, Walter R., Durand, Ill. Butter. No. 92,815; July 29; Gaz. vol. 192; p. 1256.
- Meinecke, Dr. Theodor, Winsen-on-the-Luhe, Germany. Remedy for coughs, colds, and hoarseness. No. 89,934; Jan. 21; Gaz. vol. 186; p. 794.
- Melachrino & Co., M., New York, N. Y. Cigarettes. No. 91,589; May 13; Gaz. vol. 190; p. 544.
- Melachrino & Co., M., New York, N. Y., assignor to M. Melachrino & Co., Incorporated. Cigarettes. No. 91,678; May 20; Gaz. vol. 190; p. 788.
- Melba Manufacturing Company, Chicago, Ill. Toilet waters and perfumes. Nos. 94,191-3; Nov. 11. Gaz. vol. 196; p. 522.
- Melick & Co., L. Remsen, New York, N. Y. Furniture or wood polishes. No. 93,104; Aug. 19; Gaz. vol. 193; p. 750.
- Mélotte, Jules, Remicourt, near Liege, Belgium. Cream-separators. No. 89,866; Jan. 14; Gaz. vol. 186; p. 553.
- Melville Clark Piano Company, Chicago, Ill. Note sheets for automatic musical instruments. Nos. 92,094-5; June 17; Gaz. vol. 191; p. 827.
- Melville Clark Piano Company, Chicago, Ill. Perforated note-sheets for automatic musical instruments. No. 92,248; June 24; Gaz. vol. 191; p. 1063.
- Ménard, Georges, Fouras-les-Bains, France. Remedy for sclerosis. No. 91,679; May 20; Gaz. vol. 190; p. 788.
- Men's Dispensary Company, Chicago, Ill. Certain pharmaceutical preparation. No. 93,004; Aug. 12; Gaz. vol. 193; p. 505.
- Menthol-ice Manufacturing Co., The, Kansas City, Kans. Menthol-ice. No. 94,248; Nov. 18; Gaz. vol. 196; p. 801.
- Mercantile Fastener Company, Portland, Me. Snap-fasteners. No. 91,296; Apr. 22; Gaz. vol. 189; p. 1029.
- Merchant and Evans Co., Philadelphia, Pa. Certain named roofing-plates and steel sheets. No. 89,935; Jan. 21; Gaz. vol. 186; p. 794.
- Merchants Coffee Company of New Orleans, Limited, New Orleans, La. Coffee and chicory compound. No. 90,228; Feb. 11; Gaz. vol. 187; p. 509.
- Mercier, William F., Amsterdam and Schiedam, Netherlands. Holland gin. No. 90,359; Feb. 18; Gaz. vol. 187; p. 825.
- Merck, Firm of E., Darmstadt, Germany. Compound of quinin and diethylbarbituric acid. No. 91,499; May 6; Gaz. vol. 190; p. 260.
- Merck, E., Darmstadt, Germany. Acid prepared for pharmaceutical use. No. 91,680; May 20; Gaz. vol. 190; p. 788.
- Mergenthaler Linotype Co., New York, N. Y. Linotype supplies. No. 90,360; Feb. 18; Gaz. vol. 187; p. 825.
- Mergenthaler Linotype Company, New York, N. Y. Matrices. No. 92,096; June 17; Gaz. vol. 191; p. 827.
- Meridian Chemical Company, Washington, D. C. Insecticide. No. 94,297; Nov. 25; Gaz. vol. 196; p. 1048.
- Merit Underwear Co., The. Shoemakersville, Pa. Knitted underwear. No. 93,105; Aug. 19; Gaz. vol. 193; p. 750.
- Merlino, Angelo, Seattle, Wash. Olive-oil. No. 94,014; Oct. 28; Gaz. vol. 195; p. 1046.
- Merrimac Chemical Co., Boston, Mass. Ready-mixed paint. No. 90,558; Mar. 4; Gaz. vol. 188; p. 239.
- Mesinger Mfg. Co., H. & F., New York, N. Y. Saddles for motor-cycles and bicycles. No. 90,559; Mar. 4; Gaz. vol. 188; p. 239.
- Messudiah Turkish Tobacco Company, Inc., New York, N. Y. Cigarettes. No. 94,467; Dec. 9; Gaz. vol. 197; p. 528.
- Mészáros, Michael, New Haven, Conn. Salve for corns, bunions, &c. No. 89,761; Jan. 7; Gaz. vol. 186; p. 286.
- Metal-Industrie Schönebeck Actien-Gesellschaft, Schönebeck-on-the-Elbe, Germany. Type-writers and their parts. No. 94,468; Dec. 9; Gaz. vol. 197; p. 528.
- Metallic Shipping Case Corporation, Cleveland, Ohio. Metallic shipping-cases. No. 94,015; Oct. 28; Gaz. vol. 195; p. 1046.
- Meurer, Jacob, New York, N. Y. Roofing tinned-iron sheets. No. 90,361; Feb. 18; Gaz. vol. 187; p. 825.
- Meyer, Firm of Arnold O., Hamburg, Germany. Wire nails, nuts, bolts and rivets, washers, screws, and tacks. No. 91,500; May 6; Gaz. vol. 190; p. 261.
- Meyer, Firm of Arnold O., Hamburg, Germany. Oil and water-color paints and pigments therefor. No. 94,740; Dec. 30; Gaz. vol. 197; p. 1288.
- Meyer & Cia., D., Bahia Blanca, Argentina. Portland cement. No. 92,440; July 8; Gaz. vol. 192; p. 512.
- Meyer & Co., John H., New York, N. Y. Waterproof fabrics. No. 94,469; Dec. 9; Gaz. vol. 197; p. 528.
- Meyer & Lange, New York, N. Y. Certain named foods. No. 93,739; Oct. 14; Gaz. vol. 195; p. 535.
- Meyer & Lange, New York, N. Y. Certain named foods. No. 93,885; Oct. 21; Gaz. vol. 195; p. 813.
- Meyer, Otto C., New York, N. Y. Medicated cream. No. 91,003; Apr. 8; Gaz. vol. 189; p. 518.
- Michelson, Herman C., Detroit, Mich. Candles. No. 93,005; Aug. 12; Gaz. vol. 193; p. 505.
- Michigan Condensed Milk Co., New York, N. Y. Condensed skimmed milk. No. 94,298; Nov. 25; Gaz. vol. 196; p. 1048.
- Michigan Enameling Works, Kalamazoo, Mich. Enameled ware. No. 92,098; June 17; Gaz. vol. 191; p. 827.
- Michigan Stove Company, Detroit, Mich. Heating stoves and ranges. No. 91,977; June 10; Gaz. vol. 191; p. 582.
- Michigan Stove Company, Detroit, Mich. Heating stoves and ranges. No. 92,902; Aug. 5; Gaz. vol. 193; p. 216.
- Middeldorf, Robert, Solingen, Germany. Certain knives, scissors, scythes, sickles, &c. No. 90,362; Feb. 18; Gaz. vol. 187; p. 825.
- Middletown Machine Co., The Middletown, Ohio, and New York, N. Y. Internal-combustion engines. No. 94,651; Dec. 23; Gaz. vol. 197; p. 993.
- Midland Chemical Co., Dubuque, Iowa. Disinfectant and deodorant. No. 94,389; Dec. 2; Gaz. vol. 197; p. 236.
- Midland Vinegar Company Limited, The, Birmingham, England. Sauce and pickles. No. 90,229; Feb. 11; Gaz. vol. 187; p. 509.
- Midland Vinegar Company, Limited, The, Birmingham, England. Sauce and pickles. No. 91,004; Apr. 8; Gaz. vol. 189; p. 518.
- Miesch Manufacturing Company, Paterson, N. J. Ribbons. No. 90,455; Feb. 25; Gaz. vol. 187; p. 1112.
- Migel & Co., M. C., New York, N. Y. Silk piece goods. No. 90,560; Mar. 4; Gaz. vol. 188; p. 239.
- Miller Rubber Company, The, Akron, Ohio. Rubber cement and rubber-tire dough. No. 89,762; Jan. 7; Gaz. vol. 186; p. 286.
- Miller, William E., Alexandria Bay, N. Y. Sausage. No. 91,785; May 27; Gaz. vol. 190; p. 1024.
- Milton Bradley Co., Springfield, Mass. Games. No. 91,786; May 27; Gaz. vol. 190; p. 1024.
- Milton Bradley Company, Springfield, Mass. Games. No. 92,528; July 15; Gaz. vol. 192; p. 738.
- Milton Bradley Company, Springfield, Mass. Library-paste. No. 92,529; July 15; Gaz. vol. 192; p. 738.
- Mindease Company, The, Louisville, Ky. Preparation for filling automobile-tires. No. 92,568; July 15; Gaz. vol. 192; p. 739.
- Mine and Smelter Supply Co., The, Denver, Colo., and New York, N. Y. Certain named machines, cutlery, and tools. No. 94,194; Nov. 11; Gaz. vol. 196; p. 522.
- Mine and Smelter Supply Co., The, Denver, Colo., and New York, N. Y. Drill-steel. No. 94,470; Dec. 9; Gaz. vol. 197; p. 529.
- Mine and Smelter Supply Co., The, Denver, Colo., and New York, N. Y. Friction-tape for insulation, dry-cell batteries, fuses, and fuse-wire. No. 94,471; Dec. 9; Gaz. vol. 197; p. 529.
- Mine and Smelter Supply Co., The, Denver, Colo., and New York, N. Y. Scorifiers, muffles, and certain named furnaces and burners. No. 94,472; Dec. 9; Gaz. vol. 197; p. 529.
- Mine and Smelter Supply Co., The, Denver, Colo. Glassware—namely, funnels, beakers, flasks, burettes, and cylinders. No. 94,473; Dec. 9; Gaz. vol. 197; p. 520.
- Mine and Smelter Supply Co., The, Denver, Colo., and New York, N. Y. Crucibles, levels, and assay-balances. No. 94,474; Dec. 9; Gaz. vol. 197; p. 529.
- Minneapolis Brewing Company, Minneapolis, Minn. Beer and porter. No. 94,249; Nov. 18; Gaz. vol. 196; p. 801.
- Minnesota Linseed Oil Paint Company, Minneapolis, Minn. Paints and wood-stains. No. 90,456; Feb. 25; Gaz. vol. 187; p. 1112.
- Minnesota Pharmaceutical Mfg. Co., The, St. Paul, Minn. Foot powder and tablets. No. 91,436; Apr. 29; Gaz. vol. 189; p. 1279.
- Mishaum Knitting Mill, New Bedford, Mass. Hosiery. No. 90,824; Mar. 25; Gaz. vol. 188; p. 1048.
- Mishawaka Woolen Manufacturing Co., Mishawaka, Ind. Rubber boots, shoes, &c. No. 91,362; Apr. 29; Gaz. vol. 189; p. 1276.
- Missouri Belting Company, St. Louis, Mo. Rawhide belting. No. 90,825; Mar. 25; Gaz. vol. 188; p. 1048.
- Missouri Meerschbaum Company, Washington, Mo. Corn-cob pipes. No. 93,006; Aug. 12; Gaz. vol. 193; p. 505.
- Mitchell, Alexander I., Stafford Springs, Conn. Woolen piece goods. No. 94,016; Oct. 28; Gaz. vol. 195; p. 1046.
- Mitchell Brothers Company, Cadillac, Mich. Wooden flooring. No. 90,457; Feb. 25; Gaz. vol. 187; p. 1112.
- Mitchell Brothers, Limited, Glasgow, Scotland. Whisky. No. 90,561; Mar. 4; Gaz. vol. 188; p. 239.
- Mitchell, Fred, New York Mills, N. Y. Foot-salve. No. 92,355; July 1; Gaz. vol. 192; p. 212.
- Mitchell Vance Company, The, New York, N. Y. Supports or stands for lighting-fixtures, &c. No. 90,647; Mar. 11; Gaz. vol. 188; p. 510.
- Mitchell Vance Company, The, New York, N. Y. Metal and metal and glass reflectors. No. 90,648; Mar. 11; Gaz. vol. 188; p. 510.
- Mittag & Volger, Incorporated, Park Ridge, N. J. Numbering-machine ink. No. 92,099; June 17; Gaz. vol. 191; p. 827.
- Mittineague Paper Company, Mittineague, Mass. Certain paper and stationery. No. 92,100; June 17; Gaz. vol. 191; p. 827.
- Mme. Mariette Co., Chicago, Ill. Corsets. No. 92,350; July 1; Gaz. vol. 192; p. 212.
- Mme. Mariette Co., Chicago, Ill. Corsets. No. 93,369; Sept. 9; Gaz. vol. 194; p. 546.
- Mock, Adolph L., New York, N. Y. Certain named foods. No. 92,817; July 29; Gaz. vol. 192; p. 1257.

Alphabetical list of registrants of trade-marks—Continued.

- Mock, Martin G., Houston, Tex. Varnish. No. 91,978; June 10; Gaz. vol. 191; p. 582.
- Model American Kitchen Company, The, New York, N. Y. Periodicals issued monthly. No. 94,475; Dec. 9; Gaz. vol. 197; p. 529.
- Modern Exterminator Co., Boston, Mass. Rat and mice exterminator. No. 93,886; Oct. 21; Gaz. vol. 195; p. 813.
- Modern Miller Company, The, St. Louis, Mo. Weekly magazine. No. 91,363; Apr. 29; Gaz. vol. 189; p. 1277.
- Modern Steel Structural Co., Waukesha, Wis. Certain named construction materials. No. 92,441; July 8; Gaz. vol. 192; p. 512.
- Mohawk Electrical Supply Company, Syracuse, N. Y. Certain named electrical apparatus and supplies. No. 93,740; Oct. 14; Gaz. vol. 195; p. 535.
- Moller & Schumann Co., New York, N. Y. Varnishes, wood fillers, stains, and enamels. No. 94,653; Dec. 23; Gaz. vol. 197; p. 993.
- Monarch Metal Weather Strip Company, St. Louis, Mo. Metal weather-strips. No. 90,722; Mar. 18; Gaz. vol. 188; p. 804.
- Monarch Oil Refining Company, San Francisco, Cal. Cylinder-oil. No. 90,458; Feb. 25; Gaz. vol. 187; p. 1112.
- Monarch Plaster Co., Watonga, Okla. Calcined gypsum. No. 92,442; July 8; Gaz. vol. 192; p. 512.
- Monkhouse and Glasscock Limited, Bermondsey, London, England. Food jellies, blanc-mange, custard and fruit powders. No. 93,887; Oct. 21; Gaz. vol. 195; p. 813.
- Monmouthshire Steel and Tinplate Company Limited, The, Pontymister, England. Galvanized iron and steel sheetings. No. 91,590; May 13; Gaz. vol. 190; p. 544.
- Monolithic Silo & Construction Company, Wilmington, Del., and Chicago, Ill. Silos. No. 94,017; Oct. 28; Gaz. vol. 195; p. 1047.
- Montag Brothers, Atlanta, Ga. Brushes. No. 91,787; May 27; Gaz. vol. 190; p. 1024.
- Montgomery, Edward F., Burkeville, Tex. Medicinal remedy for certain named diseases. No. 94,476; Dec. 9; Gaz. vol. 197; p. 529.
- Montgomery-Washburn Company, Saugerties, N. Y. Aprons and covers for certain named vehicles. No. 94,654; Dec. 23; Gaz. vol. 197; p. 993.
- Montgomery, William, Junior, Baltimore, Md. Insulating material. No. 91,005; Apr. 8; Gaz. vol. 189; p. 519.
- Monument Mills, Housatonic, Mass., and New York, N. Y. Bedspreads and counterpanes. Nos. 93,741-2; Oct. 14; Gaz. vol. 195; p. 535.
- Moody Manual Company, Portland, Me., and New York, N. Y. Books and pamphlets. No. 90,723; Mar. 18; Gaz. vol. 188; p. 804.
- Moore, Charles S., Danvers, Mass. Milk-pails. No. 90,036; Jan. 28; Gaz. vol. 186; p. 983.
- Moore Drop Forging Company, Springfield, Mass. Wrenches. No. 93,106; Aug. 19; Gaz. vol. 193; p. 750.
- Moore and Fisher, New York, N. Y. Hosiery. No. 93,007; Aug. 12; Gaz. vol. 193; p. 505.
- Moore, Nathaniel H., Omaha, Nebr. Liquid preparation for treating pneumatic tires. No. 94,100; Nov. 4; Gaz. vol. 196; p. 270.
- Moore Sons, E. J., New York, N. Y. Capsules for diseases of the urinary organs, &c. No. 90,724; Mar. 18; Gaz. vol. 188; p. 804.
- Moore Sons, E. J., New York, N. Y. Capsules for diseases of the urinary organs and bladder. No. 91,006; Apr. 8; Gaz. vol. 189; p. 519.
- Moore Lime Co., The, Springfield, Ohio. Lime. No. 91,979; June 10; Gaz. vol. 191; p. 582.
- Moorman Mfg. Co., Quincy, Ill. Medicated salt, hog remedy, horse and cattle powder, &c. No. 91,788; May 27; Gaz. vol. 190; p. 1024.
- Morehouse Manufacturing Co., The, Columbus, Ohio. Children's vehicles. No. 91,681; May 20; Gaz. vol. 190; p. 788.
- Morey Mercantile Company, The, Denver, Colo. Baking-powder. No. 90,857; Mar. 25; Gaz. vol. 188; p. 1049.
- Morey Mercantile Company, The, Denver, Colo. Certain named foods. No. 90,906; Apr. 1; Gaz. vol. 189; p. 248.
- Morey Mercantile Company, The, Denver, Colo. Certain named foods. No. 91,364; Apr. 29; Gaz. vol. 189; p. 1277.
- Morey Mercantile Company, The, Denver, Colo. Baking-powder, ammonia, and bluing. No. 91,591; May 13; Gaz. vol. 190; p. 544.
- Morgan Construction Company, Worcester, Mass. Certain named cutlery, machinery, and tools. No. 91,888; June 3; Gaz. vol. 191; p. 288.
- Morgan Construction Company, Worcester, Mass. Certain heating, lighting, and ventilating apparatus, not including electrical apparatus. No. 92,356; July 1; Gaz. vol. 192; p. 212.
- Morgan Crucible Company Limited, The, Battersea, London, England. Crucibles. No. 89,936; Jan. 21; Gaz. vol. 186; p. 794.
- Morgan Crucible Company Limited, The, Battersea, London, England. Crucibles. No. 91,105; Apr. 15; Gaz. vol. 189; p. 776.
- Morgan Crucible Company Limited, The, London, England. Plumbago crucibles. No. 91,592; May 13; Gaz. vol. 190; p. 544.
- Morgan, Franklyn J., Los Angeles, Cal. Seats. No. 91,007; Apr. 8; Gaz. vol. 189; p. 519.
- Morgan Milling Company, Inc., Goldendale, Wash. Cereal breakfast food. No. 90,459; Feb. 25; Gaz. vol. 187; p. 1112.
- Morgan & Wright, Detroit, Mich. Rubber vehicle-tires. No. 94,101; Nov. 4; Gaz. vol. 196; p. 270.
- Morley Brothers, Saginaw, Mich. Scales. No. 90,125; Feb. 4; Gaz. vol. 187; p. 228.
- Morley Brothers, Saginaw, Mich. Grindstones, razor strops and hones. No. 90,460; Feb. 25; Gaz. vol. 187; p. 1112.
- Morley Brothers, Saginaw, Mich. Pencils. No. 90,461; Feb. 25; Gaz. vol. 187; p. 1112.
- Morley Brothers, Saginaw, Mich. Certain named cutlery and tools. No. 90,725; Mar. 18; Gaz. vol. 188; p. 804.
- Morley Brothers, Saginaw, Mich. Pneumatic tires and rubber hose. No. 91,226; Apr. 22; Gaz. vol. 189; p. 1027.
- Morley, I. & R., London, England. Hosiery. No. 93,193; Aug. 26; Gaz. vol. 193; p. 1012.
- Morning Journal Association, New York, N. Y. Monthly newspaper. Nos. 90,126-7; Feb. 4; Gaz. vol. 187; p. 228.
- Morrill, Jennie B., Boston, Mass. Underwear. No. 91,980; June 10; Gaz. vol. 191; p. 582.
- Morrill, Lea & Van Wart, New Orleans, La. Chemical compound for absorbing moisture. No. 90,128; Feb. 4; Gaz. vol. 187; p. 228.
- Morris & Company, Baltimore, Md. Night-robos, undershirts, drawers, &c. No. 90,462; Feb. 25; Gaz. vol. 187; p. 1112.
- Morris & Company, Chicago, Ill. Bone fertilizer. No. 91,008; Apr. 8; Gaz. vol. 189; p. 519.
- Morris, Edward K., Baltimore, Md. Chewing-gum. No. 94,299; Nov. 25; Gaz. vol. 196; p. 1048.
- Morris Grocery Company, Clarksburg, W. Va. Certain named foods. No. 90,649; Mar. 11; Gaz. vol. 188; p. 510.
- Morris, Mann & Reilly, Chicago, Ill. Hair-nets. No. 92,443; July 8; Gaz. vol. 192; p. 512.
- Morris, Robert T., New York, N. Y. Smokers' pipes. No. 91,106; Apr. 15; Gaz. vol. 189; p. 776.
- Morris & Yeomans, Redditch and London, England. Crochet-needles. No. 94,741; Dec. 30; Gaz. vol. 197; p. 1288.
- Morrison, Enos M., San Francisco, Cal. Coffee substitutes. No. 90,037; Jan. 28; Gaz. vol. 186; p. 983.
- Morrison-Ricker Mfg. Co., Grinnell, Iowa. Leather coats, pants, gloves, and mittens. No. 90,563; Mar. 4; Gaz. vol. 188; p. 239.
- Morse, Asahel U., Kansas City, Mo. Toilet-paper. No. 90,463; Feb. 25; Gaz. vol. 187; p. 1112.
- Morse, Asahel U., Kansas City, Mo. Toilet-paper. Nos. 93,888-9; Oct. 21; Gaz. vol. 195; p. 813.
- Morse, Asahel U., Kansas City, Mo. Toilet-paper. No. 94,195; Nov. 11; Gaz. vol. 196; p. 522.
- Morse, Asahel U., Kansas City, Mo. Toilet-paper. No. 94,390; Dec. 2; Gaz. vol. 197; p. 236.
- Morse, Hazen, New Rochelle, N. Y. Remedy for coughs. No. 93,285; Sept. 2; Gaz. vol. 194; p. 270.
- Morse, Howard W., Roxbury, Mass. Antiseptic solution. No. 90,564; Mar. 4; Gaz. vol. 188; p. 239.
- Mortenson & Co., Samuel, Chicago, Ill. Fancy bags and cases. No. 91,682; May 20; Gaz. vol. 190; p. 788.
- Mortenson & Co., Samuel, Chicago, Ill. Scarfs, table-covers, pennants, pillow-covers, &c. No. 91,789; May 27; Gaz. vol. 190; p. 1024.
- Moss, Jonathan J., Lemoore, Cal. Malarial remedy. No. 89,763; Jan. 7; Gaz. vol. 186; p. 286.
- Mother's Macaroni Company, Minneapolis, Minn. Macaroni. No. 90,907; Apr. 1; Gaz. vol. 189; p. 248.
- Motometer Company, The, Inc., New York, N. Y. Temperature-indicating devices for fluid systems. No. 92,818; July 29; Gaz. vol. 192; p. 1257.
- Motor Car Mfg. Co., The, Indianapolis, Ind. Motor-cars. No. 91,107; Apr. 15; Gaz. vol. 189; p. 776.
- Mottura, Domenico, Chisholm, Minn. Liniment. No. 94,018; Oct. 28; Gaz. vol. 195; p. 1047.
- Mount Kisco Bottling Co., Inc., Mount Kisco, N. Y. Sparkling table-waters. No. 93,743; Oct. 14; Gaz. vol. 195; p. 535.
- Mount Pleasant Fertilizer Company, Incorporated, Mount-pleasant, Tenn. Fertilizer. No. 94,391; Dec. 2; Gaz. vol. 197; p. 236.
- Mouse-o-Cide Chemical Company, Boise, Idaho. Chemical preparation for exterminating rodents and vermin. No. 93,372; Sept. 9; Gaz. vol. 194; p. 546.
- Mt. Dora Citrus Growers Association, Mount Dora, Fla. Certain named citrus fruits. No. 93,744; Oct. 14; Gaz. vol. 195; p. 535.
- Mueller-Carter Neckwear Company, St. Louis, Mo. Cravats. No. 93,745; Oct. 14; Gaz. vol. 195; p. 535.
- Mueller, Frank, Newark, N. J. Cigars. No. 92,903; Aug. 5; Gaz. vol. 193; p. 216.
- Mueller, John L., St. Louis, Mo. Oil-cloth-display stands. No. 93,107; Aug. 19; Gaz. vol. 193; p. 750.

Alphabetical list of registrants of trade-marks—Continued.

- Mueller, Julius H., Rockville, Conn. Eyeglass-cord. No. 91,297; Apr. 22; Gaz. vol. 189; p. 1029.
- Muhlenbruch Glove & Mitten Co., The, Decatur, Ill. Cloth and leather gloves and mittens. No. 89,764; Jan. 7; Gaz. vol. 186; p. 286.
- Muller Bros., Oakland, Cal. Certain named foods. No. 94,019; Oct. 28; Gaz. vol. 195; p. 1047.
- Multipost Company, The, Rochester, N. Y. Stamp-affixers. No. 93,008; Aug. 12; Gaz. vol. 193; p. 505.
- Munger Brothers Company, Phoenix, Ariz. Canned ripe and green pickled olives. No. 91,502; May 6; Gaz. vol. 190; p. 261.
- Munich, Florian E., Philadelphia, Pa. Hosiery. No. 91,010; Apr. 8; Gaz. vol. 189; p. 519.
- Munning-Loeb Co., Matawan, N. J. Wheels for polishing purposes. No. 94,102; Nov. 4; Gaz. vol. 196; p. 270.
- Munyon Company, The, Philadelphia, Pa. Remedy for certain named diseases in a special form. No. 92,569; July 15; Gaz. vol. 192; p. 739.
- Munyon, James M., Jr., New York, N. Y. Preservation of rubber products. No. 94,530; Dec. 9; Gaz. vol. 197; p. 530.
- Muralo Company, The, New Brighton, N. Y. Calcimine. No. 90,464; Feb. 25; Gaz. vol. 187; p. 1112.
- Murphy, John A., New York, N. Y. Valves, pipe couplings and fittings, and closet-tanks. No. 92,101; June 17; Gaz. vol. 191; p. 827.
- Murphy Wall Bed Co. of California, San Francisco, Cal., and New York, N. Y. Folding beds. No. 94,655; Dec. 23; Gaz. vol. 197; p. 993.
- Murray, George W., Dublin, Ind. Medicinal plaster. No. 93,456; Sept. 16; Gaz. vol. 194; p. 740.
- Murray Wire Co., Newark, N. J. Resistance-wire. Nos. 94,656-8; Dec. 23; Gaz. vol. 197; p. 993.
- Musketopunk Co., Pekin, Ill. Compound for destroying insects. No. 94,020; Oct. 28; Gaz. vol. 195; p. 1047.
- Musolino & Berger, Boston, Mass. Macaroni. No. 94,659; Dec. 23; Gaz. vol. 197; p. 993.
- Myers & Co., Geo. T., Seattle, Wash., and Chatham, Alaska. Canned salmon. Nos. 90,363-4; Feb. 18; Gaz. vol. 187; p. 825.
- Myers & Co., Geo. T., Seattle, Wash., and Chatham, Alaska. Canned salmon. No. 90,465; Feb. 25; Gaz. vol. 187; p. 1113.
- Myles Standish Company, Providence, R. I. Coffee, tea, macaroni, and noodles. No. 93,890; Oct. 21; Gaz. vol. 195; p. 813.
- Mystic Rubber Company, Medford, Mass. Hospital rubber sheeting. No. 93,194; Aug. 26; Gaz. vol. 193; p. 1012.
- Mystic Rubber Company, Medford, Mass. Certain named clothing made of rubber. No. 94,477; Dec. 9; Gaz. vol. 197; p. 529.
- N. R. Allen's Sons Company, Kenosha, Wis. Leather strips. No. 94,707; Dec. 30; Gaz. vol. 197; p. 1287.
- Naaml. Venn. Full Cream Kassbond, Amsterdam, Netherlands. Cheese and butter. No. 90,365; Feb. 18; Gaz. vol. 187; p. 825.
- Nagel-Chase Manufacturing Company, The, Chicago, Ill. Gas-lamps. No. 91,503; May 6; Gaz. vol. 190; p. 261.
- Nalley Grocery Co., Austin, Tex. Certain named foods. No. 91,365; Apr. 29; Gaz. vol. 189; p. 1277.
- Nalley Grocery Co., Austin, Tex. Canned fruits and vegetables. No. 92,105; June 17; Gaz. vol. 191; p. 827.
- Nalley Grocery Co., Austin, Tex. Tea and coffee. No. 94,300; Nov. 25; Gaz. vol. 196; p. 1048.
- Nalley Grocery Co., Austin, Tex. Coffee. No. 94,660; Dec. 23; Gaz. vol. 197; p. 993.
- Narragansett Finishing Company, Cranston, R. I. Cotton piece goods. No. 93,195; Aug. 26; Gaz. vol. 193; p. 1012.
- Narrow Fabric Co., The, Wyomissing, Pa. Weighted material used by dressmakers. No. 93,196; Aug. 26; Gaz. vol. 193; p. 1012.
- Narrow Fabric Co., The, Wyomissing, Pa. Garment and shoe lacers. No. 94,301; Nov. 25; Gaz. vol. 196; p. 1048.
- Nash Hardware Company, Fort Worth, Tex. Certain cutlery, machinery, and tools, and parts thereof. No. 92,106; June 17; Gaz. vol. 191; p. 827.
- Nashville Roller Mills, Nashville, Tenn. Graham flour. No. 93,640; Oct. 7; Gaz. vol. 195; p. 271.
- Nathan Manufacturing Company, New York, N. Y. Steam-boiler injectors and feeders. No. 90,908; Apr. 1; Gaz. vol. 189; p. 248.
- National-Acme Manufacturing Company, The, Cleveland, Ohio. Lathes. No. 89,765; Jan. 7; Gaz. vol. 186; p. 286.
- National-Acme Manufacturing Company, The, Cleveland, Ohio. Metal-working, &c., screw-machines. No. 94,478; Dec. 9; Gaz. vol. 197; p. 529.
- National Advertograph Company, Limited, The, Toronto, Ontario, Canada. Printing-machines. No. 92,446; July 8; Gaz. vol. 192; p. 513.
- National Biscuit Company, Jersey City, N. J., and New York, N. Y. Biscuit. Nos. 89,868-9; Jan. 14; Gaz. vol. 186; p. 553.
- National Biscuit Company, Jersey City, N. J., and New York, N. Y. Biscuit. Nos. 90,038-43; Jan. 28; Gaz. vol. 186; p. 983.
- National Biscuit Company, Jersey City, N. J., and New York, N. Y. Biscuit. No. 90,466; Feb. 25; Gaz. vol. 187; p. 1113.
- National Biscuit Company, Jersey City, N. J., and New York, N. Y. Biscuit. No. 91,011; Apr. 8; Gaz. vol. 189; p. 519.
- National Biscuit Company, Jersey City, N. J., and New York, N. Y. Biscuit. Nos. 91,108-17; Apr. 15; Gaz. vol. 189; p. 776.
- National Biscuit Company, Jersey City, N. J., and New York, N. Y. Biscuit. No. 91,227; Apr. 22; Gaz. vol. 189; p. 1027.
- National Biscuit Company, Jersey City, N. J., and New York, N. Y. Biscuit. No. 91,504; May 6; Gaz. vol. 190; p. 261.
- National Biscuit Company, Jersey City, N. J., and New York, N. Y. Biscuit. No. 92,107; June 17; Gaz. vol. 191; p. 827.
- National Biscuit Company, Jersey City, N. J., and New York, N. Y. Candy. No. 92,108; June 17; Gaz. vol. 191; p. 827.
- National Biscuit Company, Jersey City, N. J., and New York, N. Y. Biscuit. No. 92,253; June 24; Gaz. vol. 191; p. 1064.
- National Biscuit Company, Jersey City, N. J., and New York, N. Y. Biscuit. Nos. 92,447-52; July 8; Gaz. vol. 192; p. 513.
- National Biscuit Company, Jersey City, N. J., and New York, N. Y. Biscuit. No. 92,819; July 29; Gaz. vol. 192; p. 1257.
- National Biscuit Company, Jersey City, N. J., and New York, N. Y. Biscuit. No. 93,009; Aug. 12; Gaz. vol. 193; p. 505.
- National Biscuit Company, Jersey City, N. J., and New York, N. Y. Biscuit. Nos. 94,302-4; Nov. 25; Gaz. vol. 196; p. 1048.
- National Biscuit Company, Jersey City, N. J., and New York, N. Y. Biscuit and bread. No. 94,305; Nov. 25; Gaz. vol. 196; p. 1048.
- National Biscuit Company, Jersey City, N. J., and New York, N. Y. Biscuit. Nos. 94,306-13; Nov. 25; Gaz. vol. 196; p. 1048.
- National Camera Company, St. Louis, Mo. Cameras. No. 94,661; Dec. 23; Gaz. vol. 197; p. 993.
- National Carbon Company, Cleveland, Ohio. Dry cells. No. 90,565; Mar. 4; Gaz. vol. 188; p. 239.
- National Carbon Company, Cleveland, Ohio. Dry cells. No. 91,118; Apr. 15; Gaz. vol. 189; p. 776.
- National Carbon Company, Cleveland, Ohio. Dry cells, brushes for dynamo-electric machines, &c. No. 94,479; Dec. 9; Gaz. vol. 197; p. 529.
- National Carbon Company, Cleveland, Ohio. Dry cells. No. 94,480; Dec. 9; Gaz. vol. 197; p. 529.
- National Checking Company, St. Paul, Minn. Check-pads, coupon meal-books, car-transfers, &c. No. 91,012; Apr. 8; Gaz. vol. 189; p. 519.
- National Enameling & Stamping Company, Baltimore, Md. Sheet-metal enameled ware. No. 91,228; Apr. 22; Gaz. vol. 189; p. 1027.
- National Fruit Products Co., Portland, Me., and Boston, Mass. Flavoring extracts, syrups, and ingredients for use in beverages. No. 90,044; Jan. 28; Gaz. vol. 186; p. 983.
- National India Rubber Company, Bristol, R. I. Rubber boots and shoes and rubber-soled shoes. No. 89,870; Jan. 14; Gaz. vol. 186; p. 553.
- National India Rubber Company, Bristol, R. I. Rubber boots and shoes. No. 91,505; May 6; Gaz. vol. 190; p. 261.
- National Lime & Stone Co., The, Carey, Ohio. Hydrated lime. No. 94,103; Nov. 4; Gaz. vol. 196; p. 270.
- National Medicine Co. Ltd., Moscow, Idaho. Remedy for certain diseases and liquor and tobacco habits. No. 90,726; Mar. 18; Gaz. vol. 188; p. 804.
- National Mosaic Flooring Company, Mobile, Ala. Fancy and ornamental tiles and bricks. No. 90,727; Mar. 18; Gaz. vol. 188; p. 804.
- National Motor Truck Company, Bay City, Mich. Motor automobile-trucks. No. 91,229; Apr. 22; Gaz. vol. 189; p. 1027.
- National Onion Salt Company, Chicago, Ill. Onion salt in powdered form. Nos. 93,891-2; Oct. 21; Gaz. vol. 195; p. 813.
- National Paint & Varnish Company, The, Cleveland, Ohio. Paints for buildings. No. 93,010; Aug. 12; Gaz. vol. 193; p. 505.
- National Paint & Varnish Company, The, Cleveland, Ohio. Paints for metal surfaces. No. 93,011; Aug. 12; Gaz. vol. 193; p. 505.
- National Remedy Company, Boston, Mass. Medicinal preparation. No. 94,481; Dec. 9; Gaz. vol. 197; p. 529.
- National Saw Company, The, Newport, Ky. Saws. No. 93,108; Aug. 19; Gaz. vol. 193; p. 750.
- National Starch Co., New York, N. Y. Corn-starch. No. 91,119; Apr. 15; Gaz. vol. 189; p. 776.
- National Syrup Co., Birmingham, Ala. Nutrient or tonic beverages. No. 91,230; Apr. 22; Gaz. vol. 189; p. 1027.

Alphabetical list of registrants of trade-marks—Continued.

- National Tube Company, Pittsburgh, Pa. Pipes, tubes, and casings. No. 90,828; Mar. 25; Gaz. vol. 188; p. 1048.
- National Tube Company, Pittsburgh, Pa. Pipes, tubes, and casings. No. 91,231; Apr. 22; Gaz. vol. 189; p. 1027.
- National Tube Company, Pittsburgh, Pa. Pipes, tubes, and casings. No. 91,892; June 3; Gaz. vol. 191; p. 289.
- National Tube Company, Pittsburgh, Pa. Pipes, tubes, and casings. No. 94,196; Nov. 11; Gaz. vol. 196; p. 522.
- National Tube Company, Pittsburgh, Pa. Pipes, tubes, and casings. No. 94,392; Dec. 2; Gaz. vol. 197; p. 236.
- National Wafer Company, Boston, Mass. Candy wafers, lozenges, and tablets. No. 90,829; Mar. 25; Gaz. vol. 188; p. 1048.
- National Wood Reproducing Company, Augusta, Me. Floor-covering. No. 92,109; June 17; Gaz. vol. 191; p. 827.
- Natura Company, San Francisco, Cal. Preparations for the treatment of blood and skin diseases. No. 92,358; July 1; Gaz. vol. 192; p. 212.
- Nave-McCord Mercantile Co., St. Joseph, Mo. Writing-paper. Nos. 93,109-10; Aug. 19; Gaz. vol. 193; p. 750.
- Nave-McCord Mercantile Co., St. Joseph, Mo. Certain named foods. No. 94,021; Oct. 28; Gaz. vol. 195; p. 1047.
- Nave-McCord Mercantile Co., St. Joseph, Mo. Toothpicks. No. 94,250; Nov. 18; Gaz. vol. 196; p. 801.
- Neafsey, Michael J., Salt Lake City, Utah. Handicap selections, programs, score-cards, &c. No. 90,467; Feb. 25; Gaz. vol. 187; p. 1113.
- Neatherland, James W. M., Monticello, Miss. Hay-presses. No. 93,746; Oct. 14; Gaz. vol. 195; p. 535.
- Nebraska Corn Products Co., Beatrice, Nebr. Cornmeal. No. 91,120; Apr. 15; Gaz. vol. 189; p. 776.
- Necronsett Mills Incorporated, Cumberland, N. C. Yarns. No. 92,453; July 8; Gaz. vol. 192; p. 513.
- Needham, John L., Nacogdoches, Tex. Remedy for dandruff. No. 93,012; Aug. 12; Gaz. vol. 193; p. 505.
- Neill & Co., James, Sheffield, England. Steel for tool manufacture. No. 93,893; Oct. 21; Gaz. vol. 195; p. 814.
- Nelms, Charles W., and D. L. Harrell, Suffolk, Va. Antiseptic foot-powder. No. 91,232; Apr. 22; Gaz. vol. 189; p. 1027.
- Nelson Bros. Co., Saginaw, Mich. Gas-engines, feed-grinders, and pump-jacks. No. 92,110; June 17; Gaz. vol. 191; p. 827.
- Nestle and Anglo-Swiss Condensed Milk Co., Cham and Vevey, Switzerland. Sterilized and condensed milk. No. 91,790; May 27; Gaz. vol. 190; p. 1024.
- Neuhausel Bro's, Toledo, Ohio. Corsets. No. 93,286; Sept. 2; Gaz. vol. 194; p. 270.
- Nev-A-Hone Razor Strop Company, New York, N. Y. Razor-strops. No. 91,791; May 27; Gaz. vol. 190; p. 1024.
- Nevins, Thomas F., Brooklyn, N. Y. Fresh fruit. No. 91,506; May 6; Gaz. vol. 190; p. 261.
- New Castle Leather Co., New York, N. Y. Patent side leather. No. 93,747; Oct. 14; Gaz. vol. 195; p. 535.
- New Columbia Shirt Company, New York, N. Y. Shirts. No. 92,254; June 24; Gaz. vol. 191; p. 1064.
- New England Cotton Yarn Company, Boston, Mass. Cotton thread, twists, yarns, &c. No. 89,938; Jan. 21; Gaz. vol. 186; p. 794.
- New England Cotton Yarn Company, Fort Wayne, Ind. Cotton yarns and thread. No. 90,830; Mar. 25; Gaz. vol. 188; p. 1048.
- New England Enameling Company, Middletown, Conn. Boxes, cans, buckets, and pails. No. 91,121; Apr. 15; Gaz. vol. 189; p. 776.
- New England Selling Co., New York, N. Y. Toothpicks. No. 91,593; May 13; Gaz. vol. 190; p. 544.
- New England Selling Co., New York, N. Y. Toothpicks. No. 92,904; Aug. 5; Gaz. vol. 193; p. 216.
- New Haven Clock Co., The, New Haven, Conn. Clocks. No. 90,366; Feb. 18; Gaz. vol. 187; p. 825.
- New Idea Game Company, Oakland, Cal. Game. No. 89,871; Jan. 14; Gaz. vol. 186; p. 553.
- New Jersey Textile Art Corporation, Newark, N. J. Hosiery. No. 91,594; May 13; Gaz. vol. 190; p. 544.
- New Jersey Wood Finishing Company, Perth Amboy, N. J. Varnishes, varnish-stain, enamel paint, wood filler and dyes. No. 94,662; Dec. 23; Gaz. vol. 197; p. 993.
- New Panitary Sales Co., Chicago, Ill. Kitchen-cabinets. No. 91,233; Apr. 22; Gaz. vol. 189; p. 1027.
- New Prague Flouring Mill Company, New Prague, Minn. Wheat-flour. No. 91,507; May 6; Gaz. vol. 190; p. 261.
- New Prague Flouring Mill Company, New Prague, Minn. Wheat-flour. No. 92,820; July 29; Gaz. vol. 192; p. 1257.
- New Process Cork Company, New York, N. Y. Cork disks and washers. No. 92,905; Aug. 5; Gaz. vol. 193; p. 216.
- New Spar Products Company, The, Baltimore, Md. Scouring-powder. No. 92,111; June 17; Gaz. vol. 191; p. 827.
- New York Belting & Packing Co., New York, N. Y. Oiled clothing. No. 92,454; July 8; Gaz. vol. 192; p. 513.
- New York Belting & Packing Co. Ltd., assignor to New York Belting and Packing Company, New York, N. Y. Belting, hose, and packing. No. 91,013; Apr. 8; Gaz. vol. 189; p. 519.
- New York Boat Oar Company, East Orange, N. J., and New York, N. Y. Oars, sweeps, and sculls. No. 94,393; Dec. 2; Gaz. vol. 197; p. 236.
- New York Boat Oar Company, East Orange, N. J., and New York, N. Y. Handspikes. No. 94,663; Dec. 23; Gaz. vol. 197; p. 993.
- New York & Boston Drug Company, New York, N. Y. Smelling-salts, face-rouge, complexion powder and cream. No. 94,104; Nov. 4; Gaz. vol. 196; p. 270.
- New York & Brooklyn Casket Co., New York, N. Y. Casket upholstery. No. 91,234; Apr. 22; Gaz. vol. 189; p. 1027.
- New York Herald Company, The, New York, N. Y. Pictures and illustrations published serially. Nos. 94,742-3; Dec. 30; Gaz. vol. 197; p. 1288.
- New York and London Drug Co., New York, N. Y. Antiseptics and germicides. No. 91,684; May 20; Gaz. vol. 190; p. 788.
- Newark Hair Felt Co., Newark, N. J. Certain construction material. No. 93,013; Aug. 12; Gaz. vol. 193; p. 505.
- Newark Packing Company, Newark, N. J. Sliced beef. No. 90,831; Mar. 25; Gaz. vol. 188; p. 1048.
- Newaygo Portland Cement Company, Newaygo, Mich. Portland cement. No. 94,251; Nov. 18; Gaz. vol. 196; p. 801.
- Newmark Bros., New York, N. Y. Corset-cover brassières. No. 92,705; July 22; Gaz. vol. 192; p. 985.
- Newskin Company, Brooklyn, N. Y. Liquid substitute for court-plaster. No. 91,235; Apr. 22; Gaz. vol. 189; p. 1027.
- Niagara Overall & Pants Co., Buffalo, N. Y. Overalls, trousers, and shirts. No. 93,894; Oct. 21; Gaz. vol. 195; p. 814.
- Nicholas Scharff & Sons Grocer Co., St. Louis, Mo. Certain named canned foods. No. 91,131; Apr. 15; Gaz. vol. 189; p. 777.
- Nicholas & Son Polish Co., J. S., Oakland, Cal. Preparation for renewal of varnish-surfaces. No. 94,197; Nov. 11; Gaz. vol. 196; p. 522.
- Nichols, Fred K., Spokane, Wash. Hats. No. 91,508; May 6; Gaz. vol. 190; p. 261.
- Nichols, Herbert N., Chicago, Ill. Fresh fruits. No. 94,022; Oct. 28; Gaz. vol. 195; p. 1047.
- Niepoort & Co., Oporto, Portugal. Port-wine. No. 93,197; Aug. 26; Gaz. vol. 193; p. 1012.
- Nikola Chemical Company, Inc., New York, N. Y. Bathing-powder. No. 90,858; Mar. 25; Gaz. vol. 188; p. 1049.
- Niles & Moser Cigar Co., Kansas City, Mo. Cigars. No. 90,567; Mar. 4; Gaz. vol. 188; p. 239.
- Nissley Creamery Company, The, Fort Worth, Tex. Creamery-butter. No. 90,468; Feb. 25; Gaz. vol. 187; p. 1113.
- Nitedals Tændstikfabrik, Grönvold, near Christiania, Norway. Matches. Nos. 91,987-92; June 10; Gaz. vol. 191; p. 583.
- Nitedals Tændstikfabrik, Grönvold, near Christiania, Norway. Matches. No. 92,906; Aug. 5; Gaz. vol. 193; p. 216.
- Nitritfabrik Aktiengesellschaft, Coepenick, near Berlin, Germany. Serum preparations for boils, &c. No. 91,685; May 20; Gaz. vol. 190; p. 788.
- Niven Co., Maxim, The, Rochester, N. Y. Antiseptic solution. No. 92,352; July 1; Gaz. vol. 192; p. 212.
- Niven, Maxim, Rochester, N. Y. Certain named medicines and pharmaceutical preparations. No. 91,236; Apr. 22; Gaz. vol. 189; p. 1027.
- Norddeutsche Wollkämmerei & Kammgarnspinnerel, Bremen and Delmenhorst, Germany. Sheep-wool in skeins for knitting purposes. No. 91,298; Apr. 22; Gaz. vol. 189; p. 1029.
- Norfolk Fertilizing Company, Norfolk, Va. Fertilizers. No. 90,832; Mar. 25; Gaz. vol. 188; p. 1048.
- Norman, Norman J., London, England. Apparatus for the reproduction of pictures. No. 89,766; Jan. 7; Gaz. vol. 186; p. 286.
- Norrie, Emily L., New York, N. Y. Salad-dressing. No. 93,457; Sept. 16; Gaz. vol. 194; p. 740.
- Norsigian, Bagdassar, Worcester, Mass. Salves. No. 90,129; Feb. 4; Gaz. vol. 187; p. 228.
- North Texas Dry Goods Company, Paris, Tex. Men's undershirts. No. 91,366; Apr. 29; Gaz. vol. 189; p. 1277.
- North Texas Dry Goods Company, Paris, Tex. Certain named piece goods. No. 91,792; May 27; Gaz. vol. 190; p. 1024.
- Northern Illinois Cereal Company, Chicago, Ill. Rolled oats and corn-flakes. No. 93,287; Sept. 2; Gaz. vol. 194; p. 270.
- Northern Light Milling Co., Owatonna, Minn. Self-rising buckwheat-flour. No. 91,686; May 20; Gaz. vol. 190; p. 788.

Alphabetical list of registrants of trade-marks—(continued).

- Northern Shoe Co., Duluth, Minn. Boots and shoes of rubber and leather. No. 94,744; Dec. 30; Gaz. vol. 197; p. 1288.
- Northport Novelty Company, Northport, N. Y. Dolls. No. 92,455; July 8; Gaz. vol. 192; p. 513.
- Northrup, King & Co., Minneapolis, Minn. Fodder-corn seeds. No. 90,234; Feb. 11; Gaz. vol. 187; p. 509.
- Northrup, King & Co., Minneapolis, Minn. Oat-seeds. No. 90,367; Feb. 18; Gaz. vol. 187; p. 825.
- Northrup, King & Co., Minneapolis, Minn. Fodder-corn seeds. No. 90,728; Mar. 18; Gaz. vol. 188; p. 804.
- Northwestern Chemical Co., The, Marietta, Ohio. Metal-polish. No. 90,368; Feb. 18; Gaz. vol. 187; p. 825.
- Northwestern Compo Board Co., Minneapolis, Minn. Artificial lumber in strips, sheets, and boards. No. 94,745; Dec. 30; Gaz. vol. 197; p. 1288.
- Northwestern Construction Company, New York, N. Y. Certain named supplies for trolley and electric railway systems. No. 93,607; Sept. 30; Gaz. vol. 194; p. 1137.
- Northwestern Expanded Metal Co., Chicago, Ill. Expanded-metal lath. No. 92,256; June 24; Gaz. vol. 191; p. 1064.
- Norton & Co., Willis, Topeka, Kans. Wheat-flour. No. 91,367; Apr. 29; Gaz. vol. 189; p. 1277.
- Norton, Nelson D., San Antonio, Tex. Medicated salt. No. 90,130; Feb. 4; Gaz. vol. 187; p. 228.
- Norwich Knitting Co., Norwich, N. Y. Knit underwear. No. 93,199; Aug. 26; Gaz. vol. 193; p. 1012.
- Novelty Candy Co., Jersey City, N. J. Candy. No. 90,045; Jan. 28; Gaz. vol. 186; p. 983.
- Novelty Candy Company, Jersey City, N. J. Candy. No. 92,571; July 15; Gaz. vol. 192; p. 739.
- Novitiate of the Sacred Heart, Los Gatos, Cal. Altar-wines. Nos. 90,369-70; Feb. 18; Gaz. vol. 187; p. 825.
- Novocol Chemical Mfg. Co., New York, N. Y. Anesthetic. No. 93,014; Aug. 12; Gaz. vol. 193; p. 505.
- Noyes Comb Company, Binghamton, N. Y. Combs. No. 90,046; Jan. 28; Gaz. vol. 186; p. 983.
- Nozox Company, The, New York, N. Y. Germicides for treatment of certain named diseases. No. 91,014; Apr. 8; Gaz. vol. 189; p. 519.
- Nubian Manufacturing Company Limited, London, England. Blacking for leather. No. 93,554; Sept. 23; Gaz. vol. 194; p. 948.
- Nunes, Manuel J., Niles, Cal. Poison for squirrels. No. 94,105; Nov. 4; Gaz. vol. 196; p. 270.
- Nungesser Carbon & Battery Co., The, Cleveland, Ohio. Battery-cells. No. 91,509; May 6; Gaz. vol. 190; p. 261.
- Nungesser Carbon & Battery Co., The, Cleveland, Ohio. Battery-cells. No. 91,893; June 3; Gaz. vol. 191; p. 289.
- Nungesser Carbon & Battery Co., The, Cleveland, Ohio. Commutator-brushes. No. 92,706; July 22; Gaz. vol. 192; p. 985.
- Nunziato Son & Co., L., San Francisco, Cal. Alimentary paste. No. 92,707; July 22; Gaz. vol. 192; p. 985.
- Nürnberg Metall- und Lackierwarenfabrik vormals Gebrüder Bing Aktiengesellschaft, Nuremberg, Germany, and New York, N. Y. Certain named receptacles for household use. No. 90,233; Feb. 11; Gaz. vol. 187; p. 509.
- O. M. Steinman Inc., New York, N. Y. Cover-paper in sheets. No. 94,403; Dec. 2; Gaz. vol. 197; p. 236.
- O'Brien, Charles T., Anderson, Ind. Tonic beverages and flavors for beverages. No. 90,235; Feb. 11; Gaz. vol. 187; p. 509.
- O'Brien, James F., Los Angeles, Cal. Chlorate blasting-explosives. No. 92,113; June 17; Gaz. vol. 191; p. 827.
- O'Brien, Lawrence, San Francisco, Cal. Remedy for skin diseases. No. 94,317; Nov. 25; Gaz. vol. 196; p. 1048.
- O'Callaghan & Fedden, New York, N. Y. Stockings. Nos. 89,940-1; Jan. 21; Gaz. vol. 186; p. 794.
- O'Connor & Lyons, Savannah, Ga. Whisky. No. 89,942; Jan. 21; Gaz. vol. 186; p. 794.
- O'Connor Shoe Co., Chicago, Ill. Leather shoes. No. 94,106; Nov. 4; Gaz. vol. 196; p. 270.
- O'Hara, Frank J., Scranton, Pa. Cigars and smoking-tobacco. No. 91,238; Apr. 22; Gaz. vol. 189; p. 1027.
- O'Neil Oil & Paint Company, Milwaukee, Wis. Paints, varnishes, enamels, and fillers. No. 93,555; Sept. 23; Gaz. vol. 194; p. 948.
- O-Shu-Co Soap Company, Los Angeles, Cal. Soap. No. 93,899; Oct. 21; Gaz. vol. 195; p. 814.
- O'Sullivan Specialties Company, Lowell, Mass. Liniment. No. 94,025; Oct. 28; Gaz. vol. 195; p. 1047.
- Oakford and Fahnestock, Peoria, Ill. Certain named foods. No. 93,246; Aug. 26; Gaz. vol. 193; p. 1014.
- Oakland Chemical Co., New York, N. Y. Peroxid of hydrogen. No. 92,257; June 24; Gaz. vol. 191; p. 1064.
- Obermeyer & Liebmann, Brooklyn, N. Y. Beer. No. 93,288; Sept. 2; Gaz. vol. 194; p. 270.
- Obermeyer & Liebmann, Brooklyn, N. Y. Beer. Nos. 94,314-16; Nov. 25; Gaz. vol. 196; p. 1048.
- Oberst, Dode G., Chicago, Ill. Carbon-paper and type-writer ribbons. No. 90,131; Feb. 4; Gaz. vol. 187; p. 228.
- Ocean Bathing Suit Co., The, New York, N. Y. Bathing-suits. No. 90,650; Mar. 11; Gaz. vol. 188; p. 510.
- Ocean Bathing Suit Co., The, New York, N. Y. Bathing-suits. No. 90,909; Apr. 1; Gaz. vol. 189; p. 248.
- Oceana Canning Company, Shelby, Mich. Canned fruits. No. 89,872; Jan. 14; Gaz. vol. 186; p. 553.
- Oettinger, Ralph, Brooklyn, N. Y. Writing-pens. Nos. 91,015-21; Apr. 8; Gaz. vol. 189; p. 519.
- Oettinger, Ralph, Brooklyn, N. Y. Writing-pens. No. 91,122; Apr. 15; Gaz. vol. 189; p. 776.
- Ohio Butterine Co., The, Cincinnati, Ohio. Oleomargarin. No. 92,821; July 29; Gaz. vol. 192; p. 1257.
- Ohio Butterine Co., Cincinnati, Ohio. Oleomargarin. No. 94,023; Oct. 28; Gaz. vol. 195; p. 1047.
- Ohio Grease Lubricant Co., The, Loudonville, Ohio. Greases and commutator compound. No. 92,572; July 15; Gaz. vol. 192; p. 739.
- Ohio Valley Drug Co., Wheeling, W. Va. Antipruritic and antiseptic lotion. No. 89,943; Jan. 21; Gaz. vol. 186; p. 794.
- Oklahoma Supply Co., Oklahoma, Okla. Flavoring extracts, rice, wheat-flour, &c. No. 93,895; Oct. 21; Gaz. vol. 195; p. 814.
- Old Berkshire Mills Company, Dalton, Mass. Writing-papers. No. 91,793; May 27; Gaz. vol. 190; p. 1024.
- Old Colony Breweries Co., Fall River, Mass. Porter, ale, and lager-beer. No. 90,729; Mar. 18; Gaz. vol. 188; p. 804.
- Old Dominion Paper Co., Norfolk, Va. Paper bags. Nos. 91,595-6; May 13; Gaz. vol. 190; p. 544.
- Oliver-Finnie Co., Memphis, Tenn. Candy. No. 93,896; Oct. 21; Gaz. vol. 195; p. 814.
- Oliver's Sporting Goods House, Philadelphia, Pa. Base, basket, push, &c., balls. No. 90,236; Feb. 11; Gaz. vol. 187; p. 509.
- Omaha Alfalfa Milling Company, Omaha, Nebr. Stock feed. No. 90,569; Mar. 4; Gaz. vol. 188; p. 239.
- Onalaska Pickle & Canning Co., Onalaska, Wis. Certain named canned foods. No. 92,112; June 17; Gaz. vol. 191; p. 827.
- One-Profit Hat Company, Danbury, Conn. Hats. No. 93,897; Oct. 21; Gaz. vol. 195; p. 814.
- Onelda Community, Limited, Onelda, N. Y. Rat and mouse traps. No. 92,359; July 1; Gaz. vol. 192; p. 212.
- Oneida Milling Corporation, Oneida, N. Y. Wheat and buckwheat flour. No. 90,651; Mar. 11; Gaz. vol. 188; p. 510.
- Onondaga Indian Wigwam Company, Syracuse, N. Y. Certain named costumes and articles of clothing. No. 90,730; Mar. 18; Gaz. vol. 188; p. 805.
- Oppenheim, Oberndorf & Co., Baltimore, Md. Shirts. No. 93,898; Oct. 21; Gaz. vol. 195; p. 814.
- Oppenheimer & Co., A., London, England. Smokers' pipes. No. 94,024; Oct. 28; Gaz. vol. 195; p. 1047.
- Orange Judd Company, New York, N. Y. Serial magazines. No. 91,022; Apr. 8; Gaz. vol. 189; p. 519.
- Orangewood Company, Worcester, Mass. Head-washes, hair-invigorators, and dandruff remedies. No. 91,687; May 20; Gaz. vol. 190; p. 788.
- Oratone Company. (See Allan Chemical Co., assignor.)
- Oriental Oil Co., Dallas, Tex. Certain named packing for steam, ammonia, and hydraulic purposes. No. 91,510; May 6; Gaz. vol. 190; p. 261.
- Ortega, Emile C., Los Angeles, Cal. Canned chilli tomatoes. No. 90,237; Feb. 11; Gaz. vol. 187; p. 509.
- Ortho Film Co., Pittsburgh, Pa. Moving-picture films, negative and positive films, &c. No. 90,731; Mar. 18; Gaz. vol. 188; p. 805.
- Orville Simpson Company, The, Cincinnati, Ohio. Milling-machines. No. 93,111; Aug. 19; Gaz. vol. 193; p. 750.
- Oscar F. Mayer & Bro., Chicago, Ill. Certain named foods. No. 91,104; Apr. 15; Gaz. vol. 189; p. 776.
- Oscar Schlegel Mfg. Co., New York, N. Y. Certain named painters' materials and prepared paints. No. 94,491; Dec. 9; Gaz. vol. 197; p. 529.
- Oshkosh Overall Company, Oshkosh, Wis. Overalls. No. 92,822; July 29; Gaz. vol. 192; p. 1257.
- Ossipoff, Davis, New York, N. Y. Vacuum-cleaners. No. 93,200; Aug. 26; Gaz. vol. 193; p. 1012.
- Oswald, James, Buffalo, N. Y. Pillow-sham holders. No. 93,748; Oct. 14; Gaz. vol. 195; p. 535.
- Otto Iseinstein & Company, New York, N. Y. Hydrocarbon oils. No. 93,998; Oct. 28; Gaz. vol. 195; p. 1046.
- Otto L. Kuehn Co., Milwaukee, Wis. Pickled, salted, and smoked herring and canned sardines. No. 89,857; Jan. 14; Gaz. vol. 186; p. 553.
- Ouerbacker Coffee Co., The, Louisville, Ky. Coffee and rice. No. 90,372; Feb. 18; Gaz. vol. 187; p. 825.
- Ouerbacker Coffee Co., The, Louisville, Ky. Rice. No. 93,015; Aug. 12; Gaz. vol. 193; p. 505.
- Oven Equipment and Manufacturing Company, New Haven, Conn. Metal valves. No. 89,944; Jan. 21; Gaz. vol. 186; p. 794.
- Owl Drug Company, The, San Francisco, Cal. Candy. No. 90,652; Mar. 11; Gaz. vol. 188; p. 510.
- Owl Drug Company, Chicago, Ill. Certain named pharmaceutical preparations. No. 93,373; Sept. 9; Gaz. vol. 194; p. 546.
- Ozonair Limited, Westminster, London, England. Electrical apparatus. No. 89,945; Jan. 21; Gaz. vol. 186; p. 794.

Alphabetical list of registrants of trade-marks—Continued.

- P. Becker & Co., Chicago, Ill. Trunks, traveling-bags, and suit-cases. No. 92,168; June 24; Gaz. vol. 191; p. 1061.
- P. Pastene & Co., Inc., New York, N. Y. Certain named distilled alcoholic liquors. No. 90,910; Apr. 1; Gaz. vol. 189; p. 248.
- P. Pastene & Co., Inc., Boston, Mass. Alimentary paste. No. 91,025; Apr. 8; Gaz. vol. 189; p. 519.
- P. E. Sharpless Company, Concordville and Philadelphia, Pa. Cheese. No. 89,880; Jan. 14; Gaz. vol. 186; p. 553.
- P. E. Sharpless Company, Concordville, Pa. Butter. No. 90,062; Jan. 28; Gaz. vol. 186; p. 983.
- P. E. Sharpless Company, Concordville and Philadelphia, Pa. Condensed milk. No. 91,132; Apr. 15; Gaz. vol. 189; p. 777.
- P. H. Hanes Knitting Co., Winston-Salem, N. C. Combination-suits, shirts, and drawers. No. 91,482; May 6; Gaz. vol. 190; p. 260.
- Pacific Bone Coal & Fertilizing Co., San Francisco, Cal. Fertilizer. No. 89,767; Jan. 7; Gaz. vol. 186; p. 286.
- Pacific Bone Coal and Fertilizing Co., San Francisco, Cal. Fertilizer. No. 90,047; Jan. 28; Gaz. vol. 186; p. 983.
- Pacific Bone, Coal & Fertilizing Co., San Francisco, Cal. Fertilizer. No. 91,993; June 10; Gaz. vol. 191; p. 583.
- Pacific Bone Coal & Fertilizing Co., San Francisco, Cal. Fertilizer. No. 93,016; Aug. 12; Gaz. vol. 193; p. 505.
- Pacific Commercial Company, The, San Francisco, Cal. Spices, flavoring extracts, canned goods, &c. No. 91,123; Apr. 15; Gaz. vol. 189; p. 777.
- Pacific Commercial Company, San Francisco, Cal. Baking-powder. No. 91,425; Apr. 29; Gaz. vol. 189; p. 1278.
- Pacific Fisheries & Packing Company, Aberdeen, Wash. Canned salmon. No. 91,894; June 3; Gaz. vol. 191; p. 289.
- Pacific Lime & Gypsum Company, Gypsum, Oreg., and St. Louis, Mo. Manufactured lime. No. 93,374; Sept. 9; Gaz. vol. 194; p. 546.
- Pacific Mills, Lawrence and Boston, Mass. Cotton piece and cotton dress goods. No. 90,469; Feb. 25; Gaz. vol. 187; p. 1113.
- Pacific Mutual Door Company, Tacoma, Wash. Doors, sash, and moldings. No. 92,823; July 29; Gaz. vol. 192; p. 1257.
- Pacific Novelty Company, New York, N. Y. Hair-pins. No. 91,299; Apr. 22; Gaz. vol. 189; p. 1029.
- Pacific Novelty Company, New York, N. Y. Mirror and picture frames. No. 94,107; Nov. 4; Gaz. vol. 196; p. 271.
- Pacific Novelty Company, New York, N. Y. Toilet-combs, pincushions, and button-hooks. No. 94,108; Nov. 4; Gaz. vol. 196; p. 271.
- Pacific Novelty Company, New York, N. Y. Brushes. No. 94,109; Nov. 4; Gaz. vol. 196; p. 271.
- Pacific Novelty Company, New York, N. Y. Manicure-files, cuticle and corn knives, and manicure-buffers. No. 94,110; Nov. 4; Gaz. vol. 196; p. 271.
- Pacific Novelty Company, New York, N. Y. Certain named trays, boxes, and holders. No. 94,318; Nov. 25; Gaz. vol. 196; p. 1048.
- Page Belting Company, Concord, N. H. Belting, packing, hose, &c. No. 94,111; Nov. 4; Gaz. vol. 196; p. 271.
- Page-Davis Company, Chicago, Ill. Pamphlets, circulars, lesson-sheets, &c. No. 91,023; Apr. 8; Gaz. vol. 189; p. 519.
- Pahl & Co., E. R., Milwaukee, Wis. Certain named foods. No. 91,239; Apr. 22; Gaz. vol. 189; p. 1027.
- Paladino, John, Philadelphia, Pa. Remedy for sunburn, scalds, and burns. No. 91,024; Apr. 8; Gaz. vol. 189; p. 519.
- Palethorpe, Percy R., Owensboro, Ky. Tea, coffee, and cocoa. No. 94,026; Oct. 28; Gaz. vol. 195; p. 1047.
- Palmer, Wm. M., New York, N. Y. Clothes-line reels. No. 91,597; May 13; Gaz. vol. 190; p. 544.
- Palmetto Metal Company, Chicago, Ill. Bearing metals. No. 91,368; Apr. 29; Gaz. vol. 189; p. 1277.
- Palruba Manufacturing Co., Orange, N. J.; Philadelphia, Pa., and New York, N. Y. Oiled cloth and linoleum. No. 93,749; Oct. 14; Gaz. vol. 195; p. 535.
- Palruba Manufacturing Co., Philadelphia, Pa., and New York, N. Y. Floor-coverings of waterproofed fibrous materials. No. 94,198; Nov. 11; Gaz. vol. 196; p. 522.
- Palruba Manufacturing Company, Orange, N. J.; Philadelphia, Pa., and New York, N. Y. Window-shade cloth, carpets, and rugs. No. 91,995; June 10; Gaz. vol. 191; p. 583.
- Panckow, Hans, Hurley, N. Mex. Hair-tonic. No. 90,238; Feb. 11; Gaz. vol. 187; p. 509.
- Papendick Bakery Company, St. Louis, Mo. Bread. No. 90,048; Jan. 28; Gaz. vol. 186; p. 983.
- Pappenheim & Co., Victor, Berlin, Germany. Dental filling and impression compositions, &c. No. 91,240; Apr. 22; Gaz. vol. 189; p. 1027.
- Paragon Metal Cap Co., New York, N. Y. Metal caps, stoppers, and covers for jars, cans, &c. No. 91,996; June 10; Gaz. vol. 191; p. 583.
- Paragon Refining Co., The, Toledo, Ohio. Oils and greases. No. 90,373; Feb. 18; Gaz. vol. 187; p. 826.
- Paragon Washing Compound Co., Portland, Me. Washing compound. No. 92,114; June 17; Gaz. vol. 191; p. 827.
- Parent Seven Grain Food Company, Los Angeles, Cal. Meal, coffee substitute, and breakfast food. No. 93,900; Oct. 21; Gaz. vol. 195; p. 814.
- Parfay Company, The, Louisville, Ky. Tonic beverage and syrup for making the same. No. 91,598; May 13; Gaz. vol. 190; p. 544.
- Paris Medicine Company, St. Louis, Mo. Antiseptic cream. No. 94,792; Dec. 30; Gaz. vol. 197; p. 1289.
- Paris-New York Fashion Co., New York, N. Y. Monthly magazine. No. 93,375; Sept. 9; Gaz. vol. 194; p. 546.
- Park, George W., Port Chester, N. Y. Remedy for certain ailments of horses and dogs. No. 93,608; Sept. 30; Gaz. vol. 194; p. 1137.
- Park, Louis M., Minneapolis, Minn. Certain named non-alcoholic beverages. No. 92,708; July 22; Gaz. vol. 192; p. 985.
- Park Novelty Company, Philadelphia, Pa. Paper-board and paste board. No. 93,289; Sept. 2; Gaz. vol. 194; p. 270.
- Park Pharmacy, The, Fitchburg, Mass. Cold-cream, hair-tonic, and cough mixtures. No. 94,483; Dec. 9; Gaz. vol. 197; p. 529.
- Park & Pollard Company, Boston, Mass. Asphalt roofing. No. 93,017; Aug. 12; Gaz. vol. 193; p. 505.
- Park & Tilford, New York, N. Y. Candies. No. 93,641; Oct. 7; Gaz. vol. 195; p. 271.
- Parke, Davis & Co., Detroit, Mich. Remedy for rheumatic affections. No. 92,115; June 17; Gaz. vol. 191; p. 827.
- Parker Brothers, Portland, Me., and Salem, Mass. Card games. No. 92,574; July 15; Gaz. vol. 192; p. 739.
- Parker Pen Company, The, Janesville, Wis. Fountain-pens. No. 93,458; Sept. 16; Gaz. vol. 194; p. 740.
- Parker, Stearns & Company, New York and Brooklyn, N. Y. Syringes, water-bottles, douches, and catheters. No. 90,653; Mar. 11; Gaz. vol. 188; p. 510.
- Parker, Stearns & Company, New York and Brooklyn, N. Y. Rubber bathing-caps. No. 90,833; Mar. 25; Gaz. vol. 188; p. 1048.
- Parker, Stearns & Company, New York and Brooklyn, N. Y. Certain named dental, medical, and surgical appliances. No. 91,241; Apr. 22; Gaz. vol. 189; p. 1027.
- Parks Bros. & Rogers, Providence, R. I. Precious-metal collar-buttons. Nos. 93,750-1; Oct. 14; Gaz. vol. 195; p. 536.
- Parlin & Orendorff Co., Canton, Ill. Cultivators. No. 93,901; Oct. 21; Gaz. vol. 195; p. 814.
- Parrish Brothers, Inc., Baltimore, Md. Pickle-spice. No. 93,018; Aug. 12; Gaz. vol. 193; p. 505.
- Parsons-Jackson Co., The, Cleveland, Ohio. Dolls. No. 91,997; June 10; Gaz. vol. 191; p. 583.
- Parsons-Jackson Co., The, Cleveland, Ohio. Dolls. Nos. 93,376-7; Sept. 9; Gaz. vol. 194; p. 546.
- Partos, Cornel, New York, N. Y. Certain chemicals, medicines, and pharmaceutical preparations. No. 92,824; July 29; Gaz. vol. 192; p. 1257.
- Pastime Novelty Co., Inc., The, New York, N. Y. Games. No. 93,378; Sept. 9; Gaz. vol. 194; p. 546.
- Pater, Joseph J., Hamilton, Ohio. Remedy for rheumatism. No. 93,019; Aug. 12; Gaz. vol. 193; p. 505.
- Pathé Frères, Jersey City, N. J., and New York, N. Y. Moving-picture films. No. 91,369; Apr. 29; Gaz. vol. 189; p. 1277.
- Patterson, William J., Cresco, Iowa. Cough-drops. No. 92,575; July 15; Gaz. vol. 192; p. 739.
- Patton Paint Company, Milwaukee, Wis. Primer and filler. No. 94,112; Nov. 4; Gaz. vol. 196; p. 271.
- Patton Worsham Drug Co., Dallas, Tex. Liquid for killing screw-worms. No. 90,570; Mar. 4; Gaz. vol. 188; p. 239.
- Paul F. Beich Company, Bloomington, Ill. Candy. No. 91,453; May 6; Gaz. vol. 190; p. 259.
- Paulson, Henry, Chicago, Ill. Watch-chain bars, swivels, &c. No. 93,609; Sept. 30; Gaz. vol. 194; p. 1137.
- Paxton & Gallagher Co., Omaha, Nebr. Canned peas. No. 90,049; Jan. 28; Gaz. vol. 186; p. 983.
- Payne, Seay & Anderson, Lynchburg, Va. Pharmaceutical preparations. No. 91,895; June 3; Gaz. vol. 191; p. 289.
- Peale, Peacock & Kerr, Incorporated, Philadelphia, Pa. Bituminous coal. No. 90,400; Feb. 18; Gaz. vol. 187; p. 826.
- Pearson's Antiseptic Company, Limited, London, England. Disinfectant. No. 93,112; Aug. 19; Gaz. vol. 193; p. 750.
- Peavey, George W., Minneapolis, Minn. Eye-wash. No. 91,688; May 20; Gaz. vol. 190; p. 789.
- Peck & Co., W. S., Syracuse, N. Y. Suits and overcoats. No. 93,113; Aug. 19; Gaz. vol. 193; p. 750.
- Peckham, Allen L., Chicago, Ill. Card games. No. 94,113; Nov. 4; Gaz. vol. 196; p. 271.
- Peerless Drug Co., New York, N. Y. Talcum and tooth powders. No. 94,319; Nov. 25; Gaz. vol. 196; p. 1048.
- Peerless Drug Company, The, Baltimore, Md. Foot-tablets. No. 91,242; Apr. 22; Gaz. vol. 189; p. 1027.
- Peerless Electric Company, Warren, Ohio. Electric fan and power motors, exhaust-fans, &c. No. 94,027; Oct. 28; Gaz. vol. 195; p. 1047.
- Peerless Overall Co., Huntington, W. Va. Overalls. No. 93,902; Oct. 21; Gaz. vol. 195; p. 814.
- Peet Bros., Philadelphia, Pa. Hooks and eyes. No. 93,752; Oct. 14; Gaz. vol. 195; p. 536.
- Peetz, Michael, London, England. Liquid nail-polish. No. 93,201; Aug. 26; Gaz. vol. 193; p. 1012.

Alphabetical list of registrants of trade-marks—Continued.

- Pemberton Company, Lawrence, Mass. Cotton piece goods. No. 94,531; Dec. 9; Gaz. vol. 197; p. 530.
- Penn Metal Company, Boston, Mass. Metal shingles. No. 90,571; Mar. 4; Gaz. vol. 188; p. 239.
- Pennsylvania Chocolate Company, Pittsburgh, Pa. Chocolate. No. 90,572; Mar. 4; Gaz. vol. 188; p. 239.
- Pennsylvania Flexible Metallic Tubing Co., Philadelphia, Pa. Barrel-fillers. No. 94,664; Dec. 23; Gaz. vol. 197; p. 993.
- Pennsylvania Forge Company, Philadelphia, Pa. Steel forgings. No. 90,912; Apr. 1; Gaz. vol. 189; p. 248.
- Pensacola Tar & Turpentine Company, Gull Point, Fla. Pine pitch and resin. No. 91,370; Apr. 29; Gaz. vol. 189; p. 1277.
- Pereira & Pereira, New York, N. Y. Flavoring extracts. No. 91,512; May 6; Gaz. vol. 190; p. 261.
- Perfection Biscuit Company, Fort Wayne, Ind. Cakes and cookies. No. 93,903; Oct. 21; Gaz. vol. 195; p. 814.
- Perkins, Lee D., Denver, Colo. Certain named pharmaceutical preparations and remedy for certain named diseases. No. 90,573; Mar. 4; Gaz. vol. 188; p. 239.
- Permutit Company, The, New York, N. Y. Water purifying and treating materials. No. 94,665; Dec. 23; Gaz. vol. 197; p. 993.
- Perron Laboratory, The, New York, N. Y. Medical tablets. No. 90,574; Mar. 4; Gaz. vol. 188; p. 239.
- Perron Laboratory, The, New York, N. Y. Remedy for diabetes and glycosuria. No. 90,575; Mar. 4; Gaz. vol. 188; p. 239.
- Perron Laboratory, The, New York, N. Y. Internal secretive tablet. No. 90,913; Apr. 1; Gaz. vol. 189; p. 248.
- Perry, Charles F., Bangor, Me. Shoe-polish powder. No. 90,050; Jan. 28; Gaz. vol. 186; p. 983.
- Perry Mason Company, Boston, Mass. Sewing-machines and attachments. No. 90,914; Apr. 1; Gaz. vol. 189; p. 248.
- Peter Schoenhofen Brewing Company, The, Chicago, Ill. Lager-beer. No. 92,371; July 1; Gaz. vol. 192; p. 213.
- Petrocelli & Company, Joseph, New York, N. Y. Olive-oil. No. 91,599; May 13; Gaz. vol. 190; p. 544.
- Petrocelli & Company, Joseph, New York, N. Y. Olive-oil. No. 93,114; Aug. 19; Gaz. vol. 193; p. 750.
- Petrocelli & Company, Joseph, New York, N. Y. Macaroni. No. 94,320; Nov. 25; Gaz. vol. 196; p. 1048.
- Petrocelli & Company, Joseph, New York, N. Y. Wine. No. 94,747; Dec. 30; Gaz. vol. 197; p. 1288.
- Petrosote Manufacturing Co., Lincoln, Nebr. Coal-tar preservative. No. 93,020; Aug. 12; Gaz. vol. 193; p. 505.
- Pettingell, Daniel H., Golconda, Nev. Remedy for leucorrhea. No. 91,026; Apr. 8; Gaz. vol. 189; p. 519.
- Petty and Schreck, Fort Collins, Colo. Hair-tonic. No. 91,513; May 6; Gaz. vol. 190; p. 261.
- Pfueger Piano Co., Inc., New York, N. Y. Pianos and player-pianos. No. 93,290; Sept. 2; Gaz. vol. 194; p. 270.
- Phelps Manufacturing Company, Providence, R. I. Liquid dressing for leather and rubber. No. 94,748; Dec. 30; Gaz. vol. 197; p. 1288.
- Philadelphia Button Company, The, Philadelphia, Pa. Buttons. No. 92,116; June 17; Gaz. vol. 191; p. 827.
- Philadelphia Pile Fabric Mills, Philadelphia, Pa. Cut-pile fabrics. No. 94,666; Dec. 23; Gaz. vol. 197; p. 994.
- Philip Brous Company, New York, N. Y. Imitation fur. No. 93,332; Sept. 9; Gaz. vol. 194; p. 545.
- Philip Carey Manufacturing Co., The, Lockland, Ohio. Certain named construction materials. No. 90,965; Apr. 8; Gaz. vol. 189; p. 517.
- Philip Carey Manufacturing Co., The, Lockland, Ohio. Brake-linings. No. 93,333; Sept. 9; Gaz. vol. 194; p. 545.
- Philip Carey Manufacturing Company, The, Lockland, Ohio. Certain named belting, hose, and machinery packing. No. 91,168; Apr. 22; Gaz. vol. 189; p. 1025.
- Phillips & Co., M., San Francisco, Cal. Hulled rice. No. 90,576; Mar. 4; Gaz. vol. 188; p. 239.
- Phillips-Hendon Co., Birmingham, Ala. Overalls, coats, trousers, rompers, &c. No. 92,258; June 24; Gaz. vol. 191; p. 1064.
- Phillips, William, Granite City, Ill. Remedies for certain named diseases. No. 90,915; Apr. 1; Gaz. vol. 189; p. 248.
- Philo-Hay Specialties Co., Newark, N. J. Water-softener. No. 93,753; Oct. 14; Gaz. vol. 195; p. 536.
- Phonoharp Company, The, Boston and East Boston, Mass. Zithers and guitar-zithers. No. 90,132; Feb. 4; Gaz. vol. 187; p. 228.
- Phonoharp Company, The, Boston and East Boston, Mass. Citherns or zithers. No. 91,794; May 27; Gaz. vol. 190; p. 1024.
- Pick, Louis M., New York, N. Y. Leather match-holders. No. 92,259; June 24; Gaz. vol. 191; p. 1064.
- Pickel, Elsworth, Portland, Oreg. Playing-cards. No. 94,321; Nov. 25; Gaz. vol. 196; p. 1048.
- Pieper, O. R., Milwaukee, Wis. Coffee. No. 91,600; May 13; Gaz. vol. 190; p. 544.
- Pieper, O. R., Milwaukee, Wis. Certain named foods. No. 92,709; July 22; Gaz. vol. 192; p. 985.
- Pierce-Arrow Motor Car Co., The, Buffalo, N. Y. Motor-cars and automobiles. No. 92,710; July 22; Gaz. vol. 192; p. 985.
- Pieser Livingston Company, Chicago, Ill. Compound of wheat, corn, and buckwheat flour. No. 90,051; Jan. 28; Gaz. vol. 186; p. 983.
- Pilgrim Manufacturing Co., New York, N. Y. Human-hair destroyer. No. 92,117; June 17; Gaz. vol. 191; p. 827.
- Pillar Bay Packing Company, Seattle, Wash. Canned salmon. No. 93,460; Sept. 16; Gaz. vol. 194; p. 740.
- Pillsbury Flour Mills Company, Minneapolis, Minn. Wheat-meal. No. 93,021; Aug. 12; Gaz. vol. 193; p. 505.
- Pillsbury Flour Mills Company, Minneapolis, Minn. Wheat-flour. No. 93,904; Oct. 21; Gaz. vol. 195; p. 814.
- Pilot Shoe Co., The, Baltimore, Md. Leather boots and shoes. No. 90,052; Jan. 28; Gaz. vol. 186; p. 983.
- Pincus, Max, New York, N. Y. Corsets. No. 90,834; Mar. 25; Gaz. vol. 188; p. 1048.
- Pinney & Geddes, New York, N. Y. Butter and cheese. No. 91,027; Apr. 8; Gaz. vol. 189; p. 519.
- Pioneer Broom Company, Inc., Amsterdam, N. Y. Brooms. No. 92,576; July 15; Gaz. vol. 192; p. 739.
- Pioneer Green Chile Packing Co., Los Angeles, Cal. Peeled green chilli. No. 92,118; June 17; Gaz. vol. 191; p. 827.
- Pioneer Paper Co., Los Angeles, Cal. Roofing-paper. No. 92,907; Aug. 5; Gaz. vol. 193; p. 216.
- Pirazzi & Co., Gustav, Offenbach-on-the-Main, Germany. Certain named instruments and parts therefor. No. 94,394; Dec. 2; Gaz. vol. 197; p. 236.
- Pisapia, Gennaro, Brooklyn, N. Y. Tobacco, cigars, and cigarettes. No. 92,711; July 22; Gaz. vol. 192; p. 985.
- Piso Company, The, Warren, Pa. Remedy for coughs and colds. No. 94,484; Dec. 9; Gaz. vol. 197; p. 529.
- Pitt, Thomas A., Rocky Mount, N. C. Iron-rust remover. No. 91,243; Apr. 22; Gaz. vol. 189; p. 1027.
- Pittsburg Water Heater Company, Pittsburgh, Pa. Water-heaters. No. 90,917; Apr. 1; Gaz. vol. 189; p. 248.
- Pittsburgh Brewing Company, Pittsburgh, Pa. Beer. Nos. 94,749-55; Dec. 30; Gaz. vol. 197; p. 1288.
- Pittsburgh Brewing Company, Pittsburgh, Pa. Beer, ale, and porter. No. 94,756; Dec. 30; Gaz. vol. 197; p. 1288.
- Pittsburgh Brewing Company, Pittsburgh, Pa. Beer. Nos. 94,757-60; Dec. 30; Gaz. vol. 197; p. 1288.
- Pittsburgh Dry Goods Company, Pittsburgh, Pa. Wool blankets. No. 93,022; Aug. 12; Gaz. vol. 193; p. 505.
- Pittsburgh-Hickson Co., Butler, Pa. Lacquer. No. 93,291; Sept. 2; Gaz. vol. 194; p. 270.
- Pittsburgh Iron and Steel Foundries Company, Midland, Pa. Welding and reducing rolls, pipe-balls, dies, &c. No. 90,916; Apr. 1; Gaz. vol. 189; p. 248.
- Pittsburgh Lamp, Brass & Glass Company, Pittsburgh, Pa. Certain lighting apparatus, not electrical, and parts therefor. No. 92,712; July 22; Gaz. vol. 192; p. 986.
- Pittsburgh Water Heater Company, Pittsburgh, Pa. Instantaneous water-heaters. No. 92,456; July 8; Gaz. vol. 192; p. 513.
- Piver & Cie., L. T., Paris, France. Certain named chemical and pharmaceutical preparations. No. 91,514; May 6; Gaz. vol. 190; p. 261.
- Piver & Cie., L. T., Paris, France. Perfumeries, essences for perfumery, and face-powder. No. 92,119; June 17; Gaz. vol. 191; p. 827.
- Planet Company, The, Westfield, Mass. Feed-bags. No. 91,371; Apr. 29; Gaz. vol. 189; p. 1277.
- Planett, John J., Yuba City, Cal. Bread. No. 93,461; Sept. 16; Gaz. vol. 194; p. 740.
- Plansifter Milling Company, Oklahoma, Okla. Wheat-flour and cornmeal. No. 92,457; July 8; Gaz. vol. 192; p. 513.
- Plastico Non-Staining Cement Company, The, Cleveland, Ohio. Cement. No. 91,998; June 10; Gaz. vol. 191; p. 583.
- Plunkett, William H., Chicago, Ill. Solvent for removing deposits from certain named materials. No. 93,023; Aug. 12; Gaz. vol. 193; p. 505.
- Plymouth Cordage Company, Plymouth, Mass. Rope and twine. No. 92,577; July 15; Gaz. vol. 192; p. 739.
- Pneuvac Company, Boston, Mass. Vacuum-cleaners. No. 89,873; Jan. 14; Gaz. vol. 186; p. 553.
- Po-esh-i-ko Company, Pierz, Minn. Remedy for stomach and bowel disorders. No. 94,562; Dec. 16; Gaz. vol. 197; p. 778.
- Pocket-Book Company, Denver, Colo. Pocket-books. No. 91,124; Apr. 15; Gaz. vol. 189; p. 777.
- Pocomoke Guano Company, Norfolk, Va. Fertilizers. No. 90,240; Feb. 11; Gaz. vol. 187; p. 509.
- Pocomoke Guano Company, Norfolk, Va. Fertilizers. No. 90,835; Mar. 25; Gaz. vol. 188; p. 1048.
- Poehl, Alexander von, Lucka, near Leipzig, Germany. Medicinal product. Nos. 90,765-6; Mar. 18; Gaz. vol. 188; p. 806.
- Pohrer Mfg. Co., St. Louis, Mo. Cleaning compounds for canvas, buckskin, &c. No. 89,874; Jan. 14; Gaz. vol. 186; p. 553.

Alphabetical list of registrants of trade-marks—Continued.

- Poindexter, John A., Sikeston, Mo. Liniment. No. 93,556; Sept. 23; Gaz. vol. 194; p. 948.
- Poindexter, Randall E., Benton, Ill. Remedy for constipation. No. 91,245; Apr. 22; Gaz. vol. 189; p. 1027.
- Pontecorvo, A., New York, N. Y. Tonic blood-purifier. No. 91,999; June 10; Gaz. vol. 191; p. 583.
- Popular Engineering Publishing Company, Boston, Mass. Monthly magazine. No. 92,713; July 22; Gaz. vol. 192; p. 986.
- Porcher, Edward P., Cocoa, Fla., and New York, N. Y. Oranges and grape-fruit. No. 90,735; Mar. 18; Gaz. vol. 188; p. 805.
- Portage Rubber Company, The, Barberton, Ohio. Rubber vehicle-tires. No. 93,202; Aug. 26; Gaz. vol. 193; p. 1012.
- Porter, C. C., Holdrege, Nebr. Carbonated beverages. No. 92,121; June 17; Gaz. vol. 191; p. 827.
- Porter Metal Mfg. Company, Philadelphia, Pa. Automatic measuring and packaging machines. No. 90,918; Apr. 1; Gaz. vol. 189; p. 248.
- Porter, Ross, Neodesha, Kans. Remedies for constipation, biliousness, &c. No. 91,689; May 20; Gaz. vol. 190; p. 789.
- Portland-Cement-Fabrik "Stern" Toepffer Grawitz & Co. Gesellschaft mit beschränkter Haftung, Finkenwalde, near Stettin, Germany. Portland cement. No. 90,736; Mar. 18; Gaz. vol. 188; p. 805.
- Portland Flouring Mills Company, The, Portland, Oreg. Wheat-flour. No. 91,601; May 13; Gaz. vol. 190; p. 544.
- Posey, James A., Waxahachie, Tex. Puncture-proof composition. No. 94,395; Dec. 2; Gaz. vol. 197; p. 236.
- Posner, Abraham, New York, N. Y. Leather shoes. No. 91,690; May 20; Gaz. vol. 190; p. 789.
- Posner, Abraham, New York, N. Y. Leather and canvas shoes. No. 92,465; July 8; Gaz. vol. 192; p. 513.
- Poston, Frank H., Washington, D. C. Candy. No. 93,024; Aug. 12; Gaz. vol. 193; p. 505.
- Postum Cereal Co., Limited, Battle Creek, Mich. Candy. No. 90,241; Feb. 11; Gaz. vol. 187; p. 509.
- Potash Sulphur Springs (Incorporated), Hot Springs, Ark. Natural mineral water. No. 90,053; Jan. 28; Gaz. vol. 186; p. 983.
- Potent, Matthias J., Hamburg, Germany. Phonolith. No. 92,464; July 8; Gaz. vol. 192; p. 513.
- Potomac Fruit Growers Club, Cumberland, Md. Fresh apples and peaches. No. 93,906; Oct. 21; Gaz. vol. 195; p. 814.
- Potter & Roziene, Phoenix, Ariz. Preparation for driving away mosquitos. No. 93,642; Oct. 7; Gaz. vol. 195; p. 271.
- Potter & Wrightington, Boston, Mass. Wheat-flour. No. 94,200; Nov. 11; Gaz. vol. 196; p. 522.
- Poulides Bros., New York, N. Y. Cigarettes. No. 91,691; May 20; Gaz. vol. 190; p. 789.
- Powells, New York, N. Y. Candy. Nos. 91,028-9; Apr. 8; Gaz. vol. 189; p. 519.
- Powells, New York, N. Y. Candy. No. 91,125; Apr. 15; Gaz. vol. 189; p. 777.
- Powell's, New York, N. Y. Candy. No. 91,896; June 3; Gaz. vol. 191; p. 289.
- Powells, New York, N. Y. Candy. No. 92,361; July 1; Gaz. vol. 192; p. 212.
- Powell's, New York, N. Y. Candles, cocoa, and chocolate. No. 93,557; Sept. 23; Gaz. vol. 194; p. 948.
- Powers, John C. W., Westfield, N. Y. Remedy for diseases of the eyes. No. 91,246; Apr. 22; Gaz. vol. 189; p. 1028.
- Prager, Firm of L., New York, N. Y. Artificial flowers, plants, and feathers. No. 92,122; June 17; Gaz. vol. 191; p. 827.
- Pragma Tyre Filling Co. Limited, The, Derby, England. Resilient filling for tires. No. 92,825; July 29; Gaz. vol. 192; p. 1257.
- Pratt Bread Company, Boston, Mass. Bread. No. 93,907; Oct. 21; Gaz. vol. 195; p. 814.
- Pratt & Inman, Worcester, Mass. Steel and iron. No. 91,897; June 3; Gaz. vol. 191; p. 289.
- Pratt & Inman, Worcester, Mass. Steel and iron. No. 93,462; Sept. 16; Gaz. vol. 194; p. 740.
- Pratt-Low Preserving Co., Santa Clara, Cal. Certain foods. No. 92,911; Aug. 5; Gaz. vol. 193; p. 216.
- Premier Tailoring Co., Syracuse, N. Y. Men's and boys' suits and overcoats. No. 90,919; Apr. 1; Gaz. vol. 189; p. 248.
- Premier Tailoring Co., Syracuse, N. Y. Suits and overcoats. No. 92,715; July 22; Gaz. vol. 192; p. 986.
- Preservaline Manufacturing Co., The, Brooklyn, N. Y. Certain ingredients used in food products. No. 91,372; Apr. 29; Gaz. vol. 189; p. 1277.
- Pressed Prism Plate Glass Company, Morgan District, W. Va. Sign glass letters. No. 90,375; Feb. 18; Gaz. vol. 187; p. 826.
- Prestwich, John A., London, England. Engines, carbureters, and silencers. No. 90,737; Mar. 18; Gaz. vol. 188; p. 805.
- Price, Pryse & Company Limited, Westminster, London, England. Metal tools used for shot-firing purposes in mines and quarries. No. 94,252; Nov. 18; Gaz. vol. 196; p. 801.
- Prichard & Constance (Wholesale) Ltd., London, England. Certain chemicals and pharmaceutical preparations. No. 92,123; June 17; Gaz. vol. 191; p. 827.
- Printz Biederman Co., The, Cleveland, Ohio. Certain named clothing for ladies and misses. No. 93,203; Aug. 26; Gaz. vol. 193; p. 1012.
- Pritchard, Morgan C., Pittsfield, Mass. Leather boots and shoes. No. 91,373; Apr. 29; Gaz. vol. 189; p. 1277.
- Producers Co. (Inc.), Peoria, Ill. Baking-powder. No. 91,426; Apr. 29; Gaz. vol. 189; p. 1278.
- Production Engineering Co., Philadelphia, Pa. Burners for burning fuel-oil. No. 94,485; Dec. 9; Gaz. vol. 197; p. 529.
- Proescher, Charles, New York, N. Y. Certain receptacles, book-cover protectors, pin and pen trays. No. 92,260; June 24; Gaz. vol. 191; p. 1064.
- Professor Dr. v. Pöchl & Söhne (St. Petersburg) Abt. Deutschland, Berlin, Germany. Remedy for healing bleeding and swelling of the womb. No. 91,244; Apr. 22; Gaz. vol. 189; p. 1027.
- Progress Manufacturing Company, Boston, Mass. Printing-ink. No. 90,470; Feb. 25; Gaz. vol. 187; p. 1113.
- Progressive Co-Operative Association, Boston, Mass. Bread. No. 90,920; Apr. 1; Gaz. vol. 189; p. 248.
- Prophylo Laboratory, The, Cleveland, Ohio. Ointments or salves. No. 91,795; May 27; Gaz. vol. 190; p. 1024.
- Prospect Manufacturing Company, The, Prospect, Ohio. Chemical fire-extinguisher and the like. No. 93,115; Aug. 19; Gaz. vol. 193; p. 750.
- Protocon Company, Incorporated, The, New York, N. Y. Hat frames and trimmings and artificial flowers. No. 94,761; Dec. 30; Gaz. vol. 197; p. 1288.
- Providence Brewing Co., Providence, R. I. Ale. No. 93,463; Sept. 16; Gaz. vol. 194; p. 740.
- Providence Brewing Company, Providence, R. I. Beer. No. 91,692; May 20; Gaz. vol. 190; p. 789.
- Providence Lithograph Co., Providence, R. I. Charts published in series. No. 92,466; July 8; Gaz. vol. 192; p. 513.
- Puget Sound Flouring Mills Company, The, Portland, Oreg. Wheat-flour. Nos. 90,655-6; Mar. 11; Gaz. vol. 188; p. 510.
- Puget Sound Flouring Mills Company, The, Portland, Oreg. Wheat-flour. No. 91,030; Apr. 8; Gaz. vol. 189; p. 519.
- Puigdemolas, E., New York, N. Y. Certain named piece goods and knitted piece goods. No. 90,836; Mar. 25; Gaz. vol. 188; p. 1048.
- Pullara & Lazzara, Tampa, Fla. Cigars. No. 93,558; Sept. 23; Gaz. vol. 194; p. 948.
- Pullman Couch Company, Chicago, Ill. Sofa-beds. No. 93,507; Sept. 16; Gaz. vol. 194; p. 742.
- Punta Gorda Citrus Growers Association, Punta Gorda, Fla. Citrus fruits. No. 92,362; July 1; Gaz. vol. 192; p. 212.
- Pure Products Company, Edgewater, N. J., and New York, N. Y. Baking-powder. No. 90,738; Mar. 18; Gaz. vol. 188; p. 805.
- Pyramid Drug Co., Marshall, Mich. Pile remedy. No. 90,739; Mar. 18; Gaz. vol. 188; p. 805.
- Pyrene Manufacturing Co., New York, N. Y. Fire-extinguishing compounds. No. 94,667; Dec. 23; Gaz. vol. 197; p. 994.
- Quaker City Chocolate & Confectionery Company, Philadelphia, Pa. Candy. No. 89,875; Jan. 14; Gaz. vol. 186; p. 553.
- Quaker City Dairies, Philadelphia, Pa. Milk. No. 94,201; Nov. 11; Gaz. vol. 196; p. 522.
- Quirin, Eugene, Manchester, N. H. Brandy, gin, and whisky. No. 92,363; July 1; Gaz. vol. 192; p. 212.
- R. Stock & Co., Spiralbohrer-Werkzeug & Maschinenfabrik Aktiengesellschaft, Marienfelde, near Berlin, Germany. Drills, reamers, and milling-cutters. No. 90,756; Mar. 18; Gaz. vol. 188; p. 805.
- R. H. Comey Company, Camden, N. J. Raffia, grass, and bamboo porch-curtains. No. 92,646; July 22; Gaz. vol. 192; p. 984.
- R. J. Thornton & Co., Louisville, Ky. Certain roast coffees. No. 90,391; Feb. 18; Gaz. vol. 187; p. 826.
- R. T. French Company, The, Rochester, N. Y. Certain named foods. No. 94,174; Nov. 11; Gaz. vol. 196; p. 522.
- R. W. B. Co., Buffalo, N. Y. Remedy for corns, warts, and callouses. No. 94,396; Dec. 2; Gaz. vol. 197; p. 236.
- Raimes & Co., New York, N. Y. Table sauce. No. 90,921; Apr. 1; Gaz. vol. 189; p. 248.
- Ralston Purina Company, St. Louis, Mo. Chicken feed. No. 90,837; Mar. 25; Gaz. vol. 188; p. 1048.
- Randall, Carlos B., Los Angeles, Cal. Corset-chart. No. 92,826; July 29; Gaz. vol. 192; p. 1257.
- Randall-Faichney Company, The, Boston, Mass. Metal syringes and dental needles. No. 91,898; June 3; Gaz. vol. 191; p. 289.
- Randazzo, Isidoro, Kansas City, Mo. Remedy for certain named diseases. No. 92,578; July 15; Gaz. vol. 192; p. 739.
- Ratcliff, Herbert C., Columbus Ohio. Salves. No. 90,242; Feb. 11; Gaz. vol. 187; p. 509.
- Rath Packing Company, The, Waterloo, Iowa. Bacon. No. 93,464; Sept. 16; Gaz. vol. 194; p. 740.

Alphabetical list of registrants of trade-marks--Continued.

- Rath Packing Company, The, Waterloo, Iowa. Hams, bacon, and lard. No. 93,495; Sept. 16; Gaz. vol. 194; p. 741.
- Rausser, Leavens & Kissinger Co., Milwaukee, Wis. Sweaters. No. 89,947; Jan. 21; Gaz. vol. 186; p. 794.
- Raviler, George C., Plymouth township, Wayne county, Mich. Canned fruits and vegetables. No. 90,054; Jan. 28; Gaz. vol. 186; p. 983.
- Rawlings Mfg. Co., St. Louis, Mo. Base-balls, ball-players' gloves and mitts. No. 91,374; Apr. 29; Gaz. vol. 189; p. 1277.
- Rea & Page Milling Co., Marshall, Mo. Wheat-flour. No. 92,364; July 1; Gaz. vol. 192; p. 212.
- Read, Lyttleton S., Los Angeles, Cal. Hair grower or tonic. No. 90,133; Feb. 4; Gaz. vol. 187; p. 228.
- Reality Rubber Company, The, Massillon, Ohio. Rubber gloves. No. 92,827; July 29; Gaz. vol. 192; p. 1257.
- Realty Stationary and Listing Card Company, Los Angeles, Cal. Listing-cards. No. 91,031; Apr. 8; Gaz. vol. 189; p. 519.
- Reckitt & Sons Ltd., Hull, England. Laundry bluing and starch. No. 89,769; Jan. 7; Gaz. vol. 186; p. 286.
- Red Jacket Manufacturing Company, Davenport, Iowa. Pumps, pipes, and couplings for pumps. No. 90,838; Mar. 25; Gaz. vol. 188; p. 1049.
- Red Rosin Products Co., Montgomery, Ala. Preparation for banishing mosquitos, &c. No. 94,563; Dec. 16; Gaz. vol. 197; p. 778.
- Red School House Shoe Co., Dixon, Ill. Children's shoes. No. 90,740; Mar. 18; Gaz. vol. 188; p. 805.
- Redding & Co., Incorporated, Melrose, Mass. Salve. Nos. 89,771-3; Jan. 7; Gaz. vol. 186; p. 286.
- Redwood Shingle Association, The, Eureka, Cal. Shingles. Nos. 91,375-6; Apr. 29; Gaz. vol. 189; p. 1277.
- Reed, Geo., Los Angeles, Cal. Paint and size. No. 91,693; May 20; Gaz. vol. 190; p. 789.
- Reed-Prentice Company, Worcester, Mass. Lathes and drills. No. 92,467; July 8; Gaz. vol. 192; p. 513.
- Reese Chemical Company, Cleveland, Ohio. Remedy for genito-urinary diseases. No. 93,379; Sept. 9; Gaz. vol. 194; p. 546.
- Reeves Company, The, New Orleans, La. Wood-preservers. No. 94,397; Dec. 2; Gaz. vol. 197; p. 236.
- Regal Shoe Company, Boston, Mass. Shoe brushes and polishers. No. 91,032; Apr. 8; Gaz. vol. 189; p. 519.
- Regal Shoe Company, Boston, Mass. Leather boots and shoes. No. 93,116; Aug. 19; Gaz. vol. 193; p. 750.
- Regal Shoe Company Inc., assignor to Regal Shoe Company, Boston, Mass. Shoe-holders and boot and shoe trees. No. 90,577; Mar. 4; Gaz. vol. 188; p. 239.
- Regesan Ltd., London, England. Soap. No. 93,908; Oct. 21; Gaz. vol. 195; p. 814.
- Reinhard and Company, San Antonio, Tex. Coffee. No. 90,471; Feb. 25; Gaz. vol. 187; p. 1113.
- Reinschild Chemical Company, New York, N. Y. Biscuits. No. 91,694; May 20; Gaz. vol. 190; p. 789.
- Reisinger, Hugo, New York, N. Y. Brushes for dynamos, motors, &c. No. 90,839; Mar. 25; Gaz. vol. 188; p. 1049.
- Reiss, Dr. Rudolf, Charlottenburg, Germany. Medicinal plasters, salves, &c. No. 92,365; July 1; Gaz. vol. 192; p. 212.
- Reiss, Max, New York, N. Y. Skirts and petticoats. No. 93,292; Sept. 2; Gaz. vol. 194; p. 270.
- Reitlinger, Alexander, New York, N. Y. Saws. No. 90,741; Mar. 18; Gaz. vol. 188; p. 805.
- Relda Manufacturing Co., Newark, N. J. Certain pharmaceutical preparations. No. 91,899; June 3; Gaz. vol. 191; p. 289.
- Reliance Manufacturing Company, Chicago, Ill. Shirts. No. 90,578; Mar. 4; Gaz. vol. 188; p. 239.
- Reliance Manufacturing Company, Chicago, Ill. Children's dresses, rompers, and overalls. No. 90,657; Mar. 11; Gaz. vol. 188; p. 510.
- Reliance Paint Co., The, Brooklyn, N. Y. Non-corrosive paints. No. 90,840; Mar. 25; Gaz. vol. 188; p. 1049.
- Reliance Trading Co., New York, N. Y. Tea. No. 92,262; June 24; Gaz. vol. 191; p. 1064.
- Remington Ammunition Co., Weehawken, N. J., assignor to Remington Arms and Ammunition Company, Ilion, N. Y. Cartridges, cartridge shells, caps, &c. No. 91,602; May 13; Gaz. vol. 190; p. 544.
- Remington Arms and Ammunition Company. (See Remington Ammunition Co., assignor.)
- Remington Arms and Ammunition Company, Ilion and New York, N. Y. Shotguns, military and sporting rifles and carbines, and pistols. No. 90,742; Mar. 18; Gaz. vol. 188; p. 805.
- Remington, Mortimer, New York, N. Y. Coffee, tea, and cocoa. No. 90,922; Apr. 1; Gaz. vol. 189; p. 248.
- Remy Electric Co., Anderson, Ind. Magnetos. No. 92,124; June 17; Gaz. vol. 191; p. 827.
- Renner Sons Company, Cincinnati, Ohio. Substitute for coffee. No. 93,465; Sept. 16; Gaz. vol. 194; p. 740.
- Rennous, Kleinle & Co. of Baltimore City, Baltimore, Md. Certain named brushes and dusters. No. 91,377; Apr. 29; Gaz. vol. 189; p. 1277.
- Republic Metalware Co., The, Buffalo, N. Y. Sink-strainers. No. 92,828; July 29; Gaz. vol. 192; p. 1257.
- Republic of France, Paris, France. Cigarettes. No. 93,171; Aug. 26; Gaz. vol. 193; p. 1011.
- Republic Rubber Company, The, Youngstown, Ohio. Pneumatic tires. No. 91,249; Apr. 22; Gaz. vol. 189; p. 1028.
- Republic Rubber Company, The, Youngstown, Ohio. Pneumatic tires for vehicles. No. 91,250; Apr. 22; Gaz. vol. 189; p. 1028.
- Resistal Manufacturing Company, Chicago, Ill. Surgeons' aprons and dental throws. No. 91,378; Apr. 29; Gaz. vol. 189; p. 1277.
- Revel Pere & Fils, F., Lyon, France. Parasols and umbrellas. No. 93,117; Aug. 19; Gaz. vol. 193; p. 750.
- Revere Rubber Company, Providence, R. I., and Chelsea, Mass. Belting, hose, and packing. No. 93,293; Sept. 2; Gaz. vol. 194; p. 270.
- Revere Rubber Company, Providence, R. I., and Chelsea, Mass. Rubber matting and rubber in the piece. No. 93,496; Sept. 16; Gaz. vol. 194; p. 741.
- Rex Battery Co., Chicago, Ill. Storage batteries. No. 90,376; Feb. 18; Gaz. vol. 187; p. 826.
- Rex - Conservenglas - Gesellschaft Leonhardt & Kleemann, Homburg, Germany. Steam cooking apparatus. No. 93,466; Sept. 16; Gaz. vol. 194; p. 740.
- Rex File and Saw Company, The, New Comerstown, Ohio, Files. No. 90,377; Feb. 18; Gaz. vol. 187; p. 826.
- Rex File and Saw Company, The, New Comerstown, Ohio. Files and rasps. No. 90,580; Mar. 4; Gaz. vol. 188; p. 239.
- Rex Motor Co., Boston, Mass. Internal-combustion and steam engines. No. 90,134; Feb. 4; Gaz. vol. 187; p. 228.
- Rey-o Drug Co. of Pittsburgh, Pittsburgh, Pa. Pills, corn solvent, ointment, liniment, &c. No. 91,251; Apr. 22; Gaz. vol. 189; p. 1028.
- Reyes y Velasco, Zacatecas, Mexico. Tuna molasses. No. 93,643; Oct. 7; Gaz. vol. 195; p. 271.
- Reynolds Container Box Company, The, Lockland, Ohio. Solid-fiber shipping-cases. No. 91,252; Apr. 22; Gaz. vol. 189; p. 1028.
- Reynolds Corporation, The, Bristol, Tenn. Scouring, cleaning, and polishing compound. No. 93,610; Sept. 30; Gaz. vol. 194; p. 1137.
- Reynolds, Elmo L., Grand Forks, N. D. Remedy for scalp and skin diseases. No. 93,204; Aug. 26; Gaz. vol. 193; p. 1012.
- Reynolds & Reynolds Company, The, Dayton, Ohio. Paper tablets and note-books. No. 90,658; Mar. 11; Gaz. vol. 188; p. 510.
- Reznor Manufacturing Company, Mercer, Pa. Certain named gas heating appliances. No. 92,912; Aug. 5; Gaz. vol. 193; p. 216.
- Rhenania Vereinigte Emailirwerke Actien-Gesellschaft, Dusseldorf, Germany. Certain named metal cooking utensils and other household articles. No. 93,294; Sept. 2; Gaz. vol. 194; p. 270.
- Rheumol Remedy Company, Wausau, Wis. Liniments. No. 92,000; June 10; Gaz. vol. 191; p. 583.
- Rhodes, Edward S., Buffalo, N. Y. Liniments. No. 89,950; Jan. 21; Gaz. vol. 186; p. 794.
- Ribelini, Pearl M., Los Angeles, Cal. Toilet preparation for cleansing the pores of the skin. No. 94,253; Nov. 18; Gaz. vol. 196; p. 801.
- Rice, Abraham L., Boston, Mass. Neckties, scarfs, bows, tecks, and cravats. No. 89,949; Jan. 21; Gaz. vol. 186; p. 794.
- Rice and Company Incorporated, Lowell, Mass. Ash-sifters. No. 94,322; Nov. 25; Gaz. vol. 196; p. 1048.
- Rice-Stix Dry Goods Company, St. Louis, Mo. Athletic underwear. No. 92,829; July 29; Gaz. vol. 192; p. 1257.
- Rice-Stix Dry Goods Company, St. Louis, Mo. Shoulder-scarfs and shawls. No. 94,486; Dec. 9; Gaz. vol. 197; p. 529.
- Rich, Eleazer C., New York, N. Y. Jelly-powder. No. 93,560; Sept. 23; Gaz. vol. 194; p. 948.
- Richard Borden Manufacturing Company, Fall River, Mass. Cotton piece goods. No. 90,506; Mar. 4; Gaz. vol. 188; p. 237.
- Richard, George H., Newark, N. J. Disinfectants and deodorizers. No. 90,135; Feb. 4; Gaz. vol. 187; p. 228.
- Richard Hudnut, New York, N. Y. Perfumes and sachet-powders. No. 90,116; Feb. 4; Gaz. vol. 187; p. 228.
- Richard Hudnut, New York, N. Y. Toilet water. No. 90,641; Mar. 11; Gaz. vol. 188; p. 509.
- Richard Hudnut, New York, N. Y. Certain named pharmaceutical preparations. No. 91,213; Apr. 22; Gaz. vol. 189; p. 1027.
- Richard Hudnut, New York, N. Y. Orange-wood sticks and nail-boards. No. 91,214; Apr. 22; Gaz. vol. 189; p. 1027.
- Richard Hudnut, New York, N. Y. Soaps. No. 91,215; Apr. 22; Gaz. vol. 189; p. 1027.
- Richard Hudnut, New York, N. Y. Cold-cream. No. 93,996; Oct. 28; Gaz. vol. 195; p. 1046.
- Richard Hudnut, New York, N. Y. Orange-wood sticks and nail-boards. Nos. 94,283-4; Nov. 25; Gaz. vol. 196; p. 1047.

Alphabetical list of registrants of trade-marks—Continued.

- Richard Hudnut, New York, N. Y. Certain named toilet preparations. No. 94,639; Dec. 23; Gaz. vol. 197; p. 993.
- Richards-Wilson Pipe Covering Co., Grand Rapids, Mich. Heat-insulating covering for steam-pipes. No. 91,379; Apr. 29; Gaz. vol. 189; p. 1277.
- Richardson Drug Co., Omaha, Nebr. Olive-oil. No. 90,378; Feb. 18; Gaz. vol. 187; p. 826.
- Richardson Dry Goods Co., St. Joseph, Mo. Hosiery. No. 91,796; May 27; Gaz. vol. 190; p. 1024.
- Richardson, Edw. & Jas., Newcastle-upon-Tyne, England. Finished leather. No. 90,244; Feb. 11; Gaz. vol. 187; p. 509.
- Richmond Underwear Co., The, Richmond, Ind. Knitted underwear. No. 92,830; July 29; Gaz. vol. 192; p. 1257.
- Richter, Alfred, New York, N. Y. Bristles. No. 90,055; Jan. 28; Gaz. vol. 186; p. 983.
- Richter & Hoffmann The Harvard Dental Manufacturing Co., Berlin, Germany. Certain dental, medical, and surgical appliances. No. 92,716; July 22; Gaz. vol. 192; p. 986.
- Rickersberg Brass Company, Cleveland, Ohio. Faucets and cocks. No. 90,743; Mar. 18; Gaz. vol. 188; p. 805.
- Rickersberg Brass Company, The, Cleveland, Ohio. Certain named plumbing and steam-fitting supplies. No. 94,487; Dec. 9; Gaz. vol. 197; p. 529.
- Ricketts & Shaw, Monson, Mass. Woolen piece goods. No. 91,797; May 27; Gaz. vol. 190; p. 1024.
- Riegel & Company, Inc., Philadelphia, Pa. Linen paper. No. 91,033; Apr. 8; Gaz. vol. 189; p. 519.
- Riehl, Frank R., Philadelphia, Pa. Salve. No. 92,579; July 15; Gaz. vol. 192; p. 739.
- Riker, S. M., Newark, N. J. Metal ornaments, monograms, and initials for harness. No. 90,379; Feb. 18; Gaz. vol. 187; p. 826.
- Riley, John T., Chicago, Ill. Salve. No. 94,668; Dec. 23; Gaz. vol. 197; p. 994.
- Rindskopf, Henry P., New York, N. Y. Dress-shields, dusters, and bibs. Nos. 91,697-8; May 20; Gaz. vol. 190; p. 789.
- Ringwalt Linoleum Works, The, New Brunswick, N. J., and New York, N. Y. Waterproof floor-covering similar to linoleum. No. 90,380; Feb. 18; Gaz. vol. 187; p. 826.
- Riplese, Tony, Cleveland, Ohio. Corn remedy, hair- tonic, and toilet water. No. 94,488; Dec. 9; Gaz. vol. 197; p. 529.
- Ritesize Underwear Co., Utica, N. Y. Knitted underwear. No. 91,798; May 27; Gaz. vol. 190; p. 1025.
- Riverside & Dan River Cotton Mills, Incorporated, Danville, Va. Cotton sheetings. No. 90,579; Mar. 4; Gaz. vol. 188; p. 239.
- Riverside Metal Refining Company, Connellsville, Pa. Certain metals and metal castings and forgings. No. 91,900; June 3; Gaz. vol. 191; p. 289.
- Riverside Overall Co., Danville, Va. Overalls, work-shirts, drawers, and pants. No. 91,515; May 6; Gaz. vol. 190; p. 261.
- Robert A. Johnston Co., Milwaukee, Wis. Cookies. No. 94,287; Nov. 25; Gaz. vol. 196; p. 1047.
- Robert A. Keasbey Co., New York, N. Y. Certain named construction materials. No. 91,352; Apr. 29; Gaz. vol. 189; p. 1276.
- Roberts, Alice A., New York, N. Y. Certain millinery ornaments of precious metal or set with jewels. No. 91,603; May 13; Gaz. vol. 190; p. 544.
- Roberts Brothers, Warsaw, N. Y. Wheat-flour. No. 92,367; July 1; Gaz. vol. 192; p. 212.
- Roberts Brothers, Warsaw, N. Y. Wheat-flour. No. 92,580; July 15; Gaz. vol. 192; p. 739.
- Roberts, Cameron F., Detroit, Mich. Furniture or wood-work polish. No. 91,126; Apr. 15; Gaz. vol. 189; p. 777.
- Robinson Bros., New York, N. Y. Ammonia-water. No. 91,699; May 20; Gaz. vol. 190; p. 789.
- Robinson & Company, J., New York, N. Y. Kerchiefs and handkerchiefs. Nos. 89,774-5; Jan. 7; Gaz. vol. 186; p. 286.
- Robinson & Company, J., New York, N. Y. Kerchiefs and handkerchiefs. No. 92,264; June 24; Gaz. vol. 191; p. 1064.
- Robinson & Company, J., New York, N. Y. Kerchiefs and handkerchiefs. No. 93,754; Oct. 14; Gaz. vol. 195; p. 536.
- Robinson Fisheries Co., Anacortes, Wash. Flaked codfish. No. 92,263; June 24; Gaz. vol. 191; p. 1064.
- Roblee-Wass Shoe Company, St. Louis, Mo. Boots, shoes, and slippers. No. 93,909; Oct. 21; Gaz. vol. 195; p. 814.
- Roblee-Wass Shoe Company, St. Louis, Mo. Boots and shoes. No. 94,669; Dec. 23; Gaz. vol. 197; p. 994.
- Robt. H. Ingersoll & Bro., New York, N. Y. Watches and clocks. No. 91,772; May 27; Gaz. vol. 190; p. 1024.
- Robt. H. Ingersoll & Bro., New York, N. Y. Watches and clocks. No. 93,997; Oct. 28; Gaz. vol. 195; p. 1046.
- Rock Island Butter Co., The, Toledo, Ohio. Butter and eggs. No. 94,324; Nov. 25; Gaz. vol. 196; p. 1048.
- Rock River Cotton Co., Janesville, Wis. Cotton-batting. No. 94,114; Nov. 4; Gaz. vol. 196; p. 271.
- Rockford Watch Co. Ltd., The, Rockford, Ill. Watch-movements. No. 93,205; Aug. 26; Gaz. vol. 193; p. 1012.
- Roederer, Leon O., Rheims, France. Champagne-wine. No. 89,948; Jan. 21; Gaz. vol. 186; p. 794.
- Roehlen-Pittenger Silk Co., Easton, Pa. Silk piece goods. No. 93,755; Oct. 14; Gaz. vol. 195; p. 536.
- Roeper, Herman P., Reading, Pa. Electric hoists and cranes. No. 93,295; Sept. 2; Gaz. vol. 194; p. 270.
- Roessler & Hasslacher Chemical Co., The, New York, N. Y. Gas-pressure generators. No. 90,056; Jan. 28; Gaz. vol. 186; p. 983.
- Roessler & Hasslacher Chemical Company, The, New York, N. Y. Bleaching material. No. 91,700; May 20; Gaz. vol. 190; p. 789.
- Roessler & Hasslacher Chemical Co., The, New York, N. Y. Carbolic acid. No. 93,025; Aug. 12; Gaz. vol. 193; p. 505.
- Roethlisberger & Co., New York, N. Y. Domestic Limburger cheese. No. 90,057; Jan. 28; Gaz. vol. 186; p. 983.
- Rogée & Monnet, Vve., Cognac, France. Brandy. No. 94,115; Nov. 4; Gaz. vol. 196; p. 271.
- Rogers, Tony B., Pittsburgh, Pa. Ointment. No. 92,369; July 1; Gaz. vol. 192; p. 212.
- Roggen Bros. & Co., New York, N. Y. Shirts. No. 90,472; Feb. 25; Gaz. vol. 187; p. 1113.
- Roggen Bros. & Co., New York, N. Y. Shirts. No. 91,127; Apr. 15; Gaz. vol. 189; p. 777.
- Rohe & Brother, New York, N. Y. Lard, pickled beef, and pork. No. 90,923; Apr. 1; Gaz. vol. 189; p. 248.
- Roller Polisher Company, New York, N. Y. Manicuring polishers, buffers, and enamelers. No. 92,717; July 22; Gaz. vol. 192; p. 986.
- Roller Polisher Company, New York, N. Y. Manicuring hand polishers, buffers, and enamelers. No. 94,398; Dec. 2; Gaz. vol. 197; p. 236.
- Romans, George A., Danbury, Conn. Remedy for diseases of certain named organs. No. 90,581; Mar. 4; Gaz. vol. 188; p. 239.
- Rome & Sons, L., Worcester, Mass. Hosiery. No. 91,604; May 13; Gaz. vol. 190; p. 544.
- Root Co., F. S., Boston, Mass. Printed books, booklets, pamphlets, and prints. No. 94,762; Dec. 30; Gaz. vol. 197; p. 1288.
- Root, Henry, San Francisco, Cal. Shovels and spades. No. 90,136; Feb. 4; Gaz. vol. 187; p. 228.
- Roper & Co., C. F., Hopedale, Mass. Gasolene-gages. No. 94,399; Dec. 2; Gaz. vol. 197; p. 236.
- Rose City Lumber and Shingle Company, Portland, Oreg. Shingles. No. 92,831; July 29; Gaz. vol. 192; p. 1257.
- Rosenberg Bros. & Co., San Francisco, Cal. Raisins. No. 92,581; July 15; Gaz. vol. 192; p. 739.
- Rosenblatt, Joseph, Providence, R. I. Brass, copper, gold, and silver. No. 92,469; July 8; Gaz. vol. 192; p. 513.
- Rosenblatt, Joseph, Providence, R. I. Jewelry. No. 94,202; Nov. 11; Gaz. vol. 196; p. 522.
- Rosenblum, Abe, Brooklyn, N. Y. Potatoes and onions. No. 90,382; Feb. 18; Gaz. vol. 187; p. 826.
- Rosenfeld & Co., E., Baltimore, Md. Pajamas, night-shirts, and shirts. No. 92,470; July 8; Gaz. vol. 192; p. 513.
- Rosenfeld, Joseph E., Council Bluffs, Iowa. Tonic malt beverage. No. 92,718; July 22; Gaz. vol. 192; p. 986.
- Rosenthal, G., Bayonne, France. Dentifrices. No. 94,564; Dec. 16; Gaz. vol. 197; p. 778.
- Rosin, Sigmund M., Philadelphia, Pa. Photographic papers. No. 89,952; Jan. 21; Gaz. vol. 186; p. 794.
- Rossano, Antonio, New York, N. Y. Olive-oil. No. 93,910; Oct. 21; Gaz. vol. 195; p. 814.
- Rossetti, Jean, New York, N. Y. Salad-dressing. No. 90,744; Mar. 18; Gaz. vol. 188; p. 805.
- Rossomano, Dominick A., Corona, N. Y. Remedy for the treatment of certain named skin affections. No. 90,582; Mar. 4; Gaz. vol. 188; p. 239.
- Roth & Lederer, Markneukirchen, Germany. Certain musical instruments, parts therefor, bows and strings. Nos. 91,800-1; May 27; Gaz. vol. 190; p. 1025.
- Rothschild Bros., Philadelphia, Pa. Whisky. No. 91,701; May 20; Gaz. vol. 190; p. 789.
- Rothwell and Company, Martinsburg, W. Va. Fresh apples. No. 91,035; Apr. 8; Gaz. vol. 189; p. 519.
- Rotary Meter Company, New York, N. Y. Gaseous-fluid-measuring apparatus. No. 94,763; Dec. 30; Gaz. vol. 197; p. 1288.
- Roumillat, Ulysses C., Columbia, S. C. Ointment and suppositories. No. 92,582; July 15; Gaz. vol. 192; p. 739.
- Rowfant Bindery Company, Cleveland, Ohio. Printed books, prints, and pamphlets. No. 93,756; Oct. 14; Gaz. vol. 195; p. 536.
- Rowntree and Company, Limited, York, England. Certain named foods. No. 93,644; Oct. 7; Gaz. vol. 195; p. 271.
- Roy, Francois, Paris, France. Lactic ferments. No. 91,702; May 20; Gaz. vol. 190; p. 789.
- Royal Packing Company, Los Angeles, Cal. Canned sweet red peppers. No. 92,125; June 17; Gaz. vol. 191; p. 827.
- Royal Tea Company, Chicago, Ill. Soap. No. 94,489; Dec. 9; Gaz. vol. 197; p. 529.

Alphabetical list of registrants of trade-marks—Continued.

- Royal Valley Coffee Co., Detroit, Mich. Coffees and teas. No. 91,516; May 6; Gaz. vol. 190; p. 261.
- Royal Woolen Mills Co., The, Hagerstown, Md. Suits and overcoats. No. 90,058; Jan. 28; Gaz. vol. 186; p. 983.
- Rudolf Saenger Co., Inc., New York, N. Y. Hair-nets. No. 90,844; Mar. 25; Gaz. vol. 188; p. 1049.
- Rudolf Saenger Co. Inc., New York, N. Y. Hair-nets. No. 91,427; Apr. 29; Gaz. vol. 189; p. 1278.
- Rudolph Wurlitzer Co., Cincinnati, Ohio. Music-rolls. No. 92,612; July 15; Gaz. vol. 192; p. 740.
- Ruff, William, Highland Park, Mich. Hair-tonic. No. 90,583; Mar. 4; Gaz. vol. 188; p. 239.
- Ruhl, Peter, Heber, Cal. Remedy for certain named ailments. No. 94,670; Dec. 23; Gaz. vol. 197; p. 994.
- Runkel Brothers Inc., New York, N. Y. Sweet chocolate. No. 92,265; June 24; Gaz. vol. 191; p. 1064.
- Rusch & Co., New York, N. Y. Fancy gingham. No. 90,137; Feb. 4; Gaz. vol. 187; p. 228.
- Rusch & Co., New York, N. Y. Handkerchiefs. No. 90,138; Feb. 4; Gaz. vol. 187; p. 228.
- Russell, Alonzo B., Graysville, Tenn. Cooking-oils. No. 90,584; Mar. 4; Gaz. vol. 188; p. 239.
- Russell & Dexter Co., Penn Yan, N. Y. Certain named construction materials. Nos. 91,253-4; Apr. 22; Gaz. vol. 189; p. 1028.
- Russell Manufacturing Co., The, Middletown, Conn. Woven machine-belt. No. 93,497; Sept. 16; Gaz. vol. 194; p. 741.
- Russell-Miller Milling Company, Minneapolis, Minn. Flour. No. 91,380; Apr. 29; Gaz. vol. 189; p. 1277.
- Russell Pharmacal Co., B. A., The, Ilion, N. Y. Cream for the relief of foot troubles and chafing. No. 94,490; Dec. 9; Gaz. vol. 197; p. 529.
- Russell Playing Card Co., Milltown, N. J., and New York, N. Y. Playing-cards. No. 94,671; Dec. 23; Gaz. vol. 197; p. 994.
- Russia Cement Company, Gloucester, Mass. Curryng-oils. No. 90,659; Mar. 11; Gaz. vol. 188; p. 510.
- Russia Cement Company, Gloucester, Mass. Lubricating-oils. No. 91,128; Apr. 15; Gaz. vol. 189; p. 777.
- Russia Cement Company, Gloucester, Mass. Polishes for automobiles, &c. No. 94,672; Dec. 23; Gaz. vol. 197; p. 994.
- Rust, Carl, Frederick, Md. Bread. No. 94,673; Dec. 23; Gaz. vol. 197; p. 994.
- Rust-Parker-Martin Company, Duluth, Minn. Certain named foods. No. 90,245; Feb. 11; Gaz. vol. 187; p. 509.
- Rutherford Rubber Company, Rutherford, N. J. Hoof-pads. No. 91,255; Apr. 22; Gaz. vol. 189; p. 1028.
- Ryan, Wm. J., Philadelphia, Pa. Fertilizers. No. 94,116; Nov. 4; Gaz. vol. 196; p. 271.
- Ryno Film Company, Inc., New York, N. Y. Motion-picture films and projecting apparatus therefor. No. 93,296; Sept. 2; Gaz. vol. 194; p. 270.
- S. Deiches & Co., Chicago, Ill. Men's neckties. No. 90,300; Feb. 18; Gaz. vol. 187; p. 823.
- S. Manlove & Sons Ltd., Manchester, England. Sewing-cotton. Nos. 93,001-2; Aug. 12; Gaz. vol. 193; p. 505.
- S. Rauh & Company, New York, N. Y. Bathing-shoes. No. 92,261; June 24; Gaz. vol. 191; p. 1064.
- S. C. Toof & Co., Memphis, Tenn. Stationery, paper, books, binders, and holders. No. 93,778; Oct. 14; Gaz. vol. 195; p. 536.
- S. E. Loveless Advertising Service Inc., New York, N. Y. Bread. No. 92,693; July 22; Gaz. vol. 192; p. 985.
- S. F. Bowser & Co. Inc., Fort Wayne, Ind. Measuring oil-pumps. No. 93,160; Aug. 26; Gaz. vol. 193; p. 1011.
- S. G. Atkins Co. Inc., Richmond, Va. Blended whisky. No. 90,087; Feb. 4; Gaz. vol. 187; p. 227.
- S. H. Greene & Sons Corporation, Clyde, R. I. Cotton, cotton and silk, &c., cloth. No. 91,960; June 10; Gaz. vol. 191; p. 582.
- S. R. White's Sons. (See White's Sons, S. R., assignor.)
- S. S. Stafford, Inc., New York, N. Y. Carbon-paper and type-writer ribbons. No. 93,303; Sept. 2; Gaz. vol. 194; p. 270.
- S. W. Straus & Co., Chicago, Ill., and New York, N. Y. Semimonthly periodical. No. 93,392; Sept. 9; Gaz. vol. 194; p. 547.
- Saalfeld, Adolphe, Manchester, England. Oils for use in manufacture of soaps and perfumes. No. 92,126; June 17; Gaz. vol. 191; p. 827.
- Saccharin-Fabrik, Aktien-Gesellschaft, vorm. Fahlberg, List & Co., Salbke-Westerhüsen, Germany. Acids, sodium bisulfate, potash, &c. No. 93,467; Sept. 16; Gaz. vol. 194; p. 740.
- Sachs, Minnie, Pittsburgh, Pa. Pop and mineral waters. No. 89,876; Jan. 14; Gaz. vol. 186; p. 553.
- Saddin, Bernard B., Chicago, Ill. Men's hats. No. 90,473; Feb. 25; Gaz. vol. 187; p. 1113.
- Sadi, Reshid, New York, N. Y. Certain named tobacco products. No. 94,117; Nov. 4; Gaz. vol. 196; p. 271.
- Sagamore Rubber Manufacturing Company, Saugus, Mass. Bowling-balls. No. 92,266; June 24; Gaz. vol. 191; p. 1064.
- Saginaw Wood Products Co., Saginaw, Mich. Base-ball bats, tennpins, croquet sets, &c. No. 92,471; July 8; Gaz. vol. 192; p. 513.
- Sallix Chemical Company, Boston, Mass. Remedies for certain named diseases. No. 92,127; June 17; Gaz. vol. 191; p. 828.
- Sallanese, Marion E., Brooklyn, N. Y. Medicinal preparation for rheumatism. No. 93,027; Aug. 12; Gaz. vol. 193; p. 505.
- Salt Lick Lumber Co., Salt Lick, Ky., and Pittsburgh, Pa. Wood flooring. No. 91,036; Apr. 8; Gaz. vol. 189; p. 519.
- Salt's Textile Manufacturing Company, The, Bridgeport, Conn., and New York, N. Y. Velvets and plushes in the piece. No. 91,803; May 27; Gaz. vol. 190; p. 1025.
- Samstag & Hilder Bros., New York, N. Y. Toys. No. 91,381; Apr. 29; Gaz. vol. 189; p. 1277.
- Samuel C. Tatum Company, The, Cincinnati, Ohio. Perforating and punching machinery. No. 90,758; Mar. 18; Gaz. vol. 188; p. 805.
- Samuel Cabot, Inc., Boston, Mass. Antiseptic wash for sheep and cattle. No. 92,632; July 22; Gaz. vol. 192; p. 983.
- Samuel Chemical Co., The, Cincinnati, Ohio. Ointments. No. 91,804; May 27; Gaz. vol. 190; p. 1025.
- Samuel Chemical Company, The. (See Atkins, James S., assignor.)
- Samuel Osborn & Co. Limited, Sheffield, England. Tool-steel and steel in certain named forms. No. 90,371; Feb. 18; Gaz. vol. 187; p. 825.
- Samuel Sternberger Company, Philadelphia, Pa. Shirts. No. 90,388; Feb. 18; Gaz. vol. 187; p. 826.
- Samuel Ward Company, Boston, Mass. Diaries and calendars. No. 91,534; May 6; Gaz. vol. 190; p. 262.
- Samuel Winslow Skate Manufacturing Company, The, Worcester, Mass. Roller-skates. No. 90,079; Jan. 28; Gaz. vol. 186; p. 984.
- Samurai Perfume Co., The, New York, N. Y. Certain named pharmaceutical preparations. No. 91,037; Apr. 8; Gaz. vol. 189; p. 519.
- San Antonio Drug Co., San Antonio, Tex. Chocolate and olive-oil. No. 93,911; Oct. 21; Gaz. vol. 195; p. 814.
- San Francisco Salt Refinery, San Francisco, Cal. Salt. No. 93,469; Sept. 16; Gaz. vol. 194; p. 740.
- San Martin & Leon Co., Tampa, Fla. Cigars. No. 92,131; June 17; Gaz. vol. 191; p. 828.
- Sanax Co., The, Inc., New York, N. Y. Electric vibratory massage apparatus. No. 93,206; Aug. 26; Gaz. vol. 193; p. 1012.
- Sanborn & Son, Geo. W., Astoria, Ore. Canned salmon. No. 93,468; Sept. 16; Gaz. vol. 194; p. 740.
- Sanborn & Son, George W., Astoria, Ore. Canned salmon. Nos. 91,606-7; May 13; Gaz. vol. 190; p. 545.
- Sanborn & Son, George W., Astoria, Ore. Canned salmon. No. 91,902; June 3; Gaz. vol. 191; p. 289.
- Sanborn & Son, George W., Astoria, Ore. Canned salmon. No. 92,719; July 22; Gaz. vol. 192; p. 986.
- Sanborn & Son, George W., Astoria, Ore. Canned salmon. No. 93,118; Aug. 19; Gaz. vol. 193; p. 750.
- Sanchez & Haya Co., Tampa, Fla. Cigars. No. 92,128; June 17; Gaz. vol. 191; p. 828.
- Sanchez & Haya Co., Tampa, Fla. Cigars. No. 92,370; July 1; Gaz. vol. 192; p. 212.
- Sanderson Brothers and Newbould, Ltd., Sheffield, England. Tool-steel. No. 92,129; June 17; Gaz. vol. 191; p. 828.
- Sanderson Brothers and Newbould, Ltd., Sheffield, England. Certain cutlery, machinery, and tools. No. 92,130; June 17; Gaz. vol. 191; p. 828.
- Sandersons Tintine Co., Lincoln, Nebr. Liquid dye. No. 90,745; Mar. 18; Gaz. vol. 188; p. 805.
- Sandlie, P. E., Grand Forks, N. D. Remedy for rheumatism and kidney ailments. No. 93,380; Sept. 9; Gaz. vol. 194; p. 546.
- Sandow, Limited, London, England. Corsets. No. 90,926; Apr. 1; Gaz. vol. 189; p. 249.
- Sandvikens Jernverks Aktiebolag, Sandviken, Sweden. Certain metals and metal castings and forgings. No. 90,845; Mar. 25; Gaz. vol. 188; p. 1049.
- Sanitary Products Co., Jersey City and Tenafly, N. J. Dust-preventive compound. No. 93,561; Sept. 23; Gaz. vol. 194; p. 948.
- "Sanitas" Company, Limited, The, London, England, assignor to "Sanitas" Co. (U. S. A.), Jersey City, N. J. Appliances and apparatus for fumigating, deodorizing, and disinfecting preparations, antiseptic gauze, and absorbent wool. No. 90,660; Mar. 11; Gaz. vol. 188; p. 510.
- Sanitas Mfg Co., Boston, Mass. Certain hardware, plumbing, and steam-fitting supplies. No. 93,381; Sept. 9; Gaz. vol. 194; p. 547.
- Sanz, Edward, Chicago, Ill. Ladies' hats and hat-frames. No. 91,130; Apr. 15; Gaz. vol. 189; p. 777.
- Saperston, Marcus J., St. Joseph, Mo. Preparation for cleaning leather. No. 93,757; Oct. 14; Gaz. vol. 195; p. 536.
- Sarle, Harriet A., New York, N. Y. Writing-paper. No. 93,562; Sept. 23; Gaz. vol. 194; p. 948.
- Sartorial Manufacturing Co., The, New York, N. Y. Raincoats. No. 91,704; May 20; Gaz. vol. 190; p. 789.
- Sasso e Figli, P., Oneglia, Italy. Olive-oil. No. 93,645; Oct. 7; Gaz. vol. 195; p. 271.

Alphabetical list of registrants of trade-marks—Continued.

- Sasville, Moise, Marlboro, Mass. Cough remedy. No. 93,207; Aug. 26; Gaz. vol. 193; p. 1013.
- Sattler, Gustav, New York, N. Y. Hair-dyes. No. 92,001; June 10; Gaz. vol. 191; p. 583.
- Sauls, Thurman J., Chicago, Ill. Fruit soda-fountain beverages. No. 94,254; Nov. 18; Gaz. vol. 196; p. 801.
- Saunders, Daniel G., Jr., Kansas City, Mo. Envelop-sealing machines. No. 91,805; May 27; Gaz. vol. 190; p. 1025.
- Sauquoit Toilet Paper Co., Inc., New Hartford, N. Y. Toilet paper. Nos. 91,903-7; June 3; Gaz. vol. 191; p. 289.
- Sauquoit Toilet Paper Co., Inc., New Hartford, N. Y. Toilet-paper. Nos. 92,583-8; July 15; Gaz. vol. 192; p. 739.
- Sauquoit Toilet Paper Co., Inc., New Hartford, N. Y. Toilet-paper. Nos. 92,720-2; July 22; Gaz. vol. 192; p. 986.
- Sauquoit Toilet Paper Co., Inc., New Hartford, N. Y. Toilet-paper. No. 92,832; July 29; Gaz. vol. 192; p. 1257.
- Sauquoit Toilet Paper Co. Inc., New Hartford, N. Y. Toilet-paper. Nos. 93,028-34; Aug. 12; Gaz. vol. 193; pp. 505-6.
- Sauquoit Toilet Paper Co., Inc., New Hartford, N. Y. Toilet-paper. Nos. 93,120-3; Aug. 19; Gaz. vol. 193; p. 750.
- Sauquoit Toilet Paper Co. Inc., New Hartford, N. Y. Toilet-paper. No. 93,208; Aug. 26; Gaz. vol. 193; p. 1013.
- Sauquoit Toilet Paper Co., Inc., New Hartford, N. Y. Toilet-paper. Nos. 93,297-8; Sept. 2; Gaz. vol. 194; p. 270.
- Sauquoit Toilet Paper Co. Inc., New Hartford, N. Y. Toilet-paper. Nos. 93,470-1; Sept. 16; Gaz. vol. 194; pp. 740-1.
- Sauquoit Toilet Paper Co., Inc., New Hartford, N. Y. Toilet-paper. Nos. 93,912-26; Oct. 21; Gaz. vol. 195; p. 814.
- Sauquoit Toilet Paper Co., Inc., New Hartford, N. Y. Toilet-paper. No. 94,028; Oct. 28; Gaz. vol. 195; p. 1047.
- Sauquoit Toilet Paper Co., Inc., New Hartford, N. Y. Toilet-paper. Nos. 94,203-4; Nov. 11; Gaz. vol. 196; p. 522.
- Sauquoit Toilet Paper Co., Inc., New Hartford, N. Y. Toilet-paper. No. 94,400; Dec. 2; Gaz. vol. 197; p. 236.
- Sauquoit Toilet Paper Co., Inc., New Hartford, N. Y. Toilet-paper. No. 94,533; Dec. 9; Gaz. vol. 197; p. 550.
- Saurer, Adolph, Arbon, Switzerland. Rifles. No. 92,267; June 24; Gaz. vol. 191; p. 1064.
- Sawyer Biscuit Company, Chicago, Ill. Wafers, cakes, crackers, and biscuits. No. 92,833; July 29; Gaz. vol. 192; p. 1257.
- Sawyer Boot & Shoe Co., Bangor, Me. Boots and shoes. No. 92,834; July 29; Gaz. vol. 192; p. 1257.
- Sawyer Crystal Blue Co., The, Boston, Mass. Disinfectants. No. 90,746; Mar. 18; Gaz. vol. 188; p. 805.
- Sawyer, Ernest L., Winchendon, Mass. Bread. No. 90,927; Apr. 1; Gaz. vol. 189; p. 249.
- Sawyer, Susan E., deceased; E. C. Sawyer, trustee, Dover, N. H. Milk and cream. No. 91,705; May 20; Gaz. vol. 190; p. 789.
- Sayman, Thomas M., St. Louis, Mo. Talcum powder. No. 92,835; July 29; Gaz. vol. 192; p. 1257.
- Sayman, Thomas M., St. Louis, Mo. Complexion-powder. No. 93,472; Sept. 16; Gaz. vol. 194; p. 741.
- Scannell, William E., Muscatine, Wash., Iowa City, Iowa, and Moline and Galesburg, Ill. Certain named foods and lemon flavoring extract. No. 90,246; Feb. 11; Gaz. vol. 187; p. 509.
- Schaeffer & Company, Reading, Pa. Laces. No. 93,758; Oct. 14; Gaz. vol. 195; p. 536.
- Schaeffer & Merle, New York, N. Y. Candy. No. 92,268; June 24; Gaz. vol. 191; p. 1064.
- Schäffer, Eugen, Berlin, Germany. Pharmaceutical preparation. No. 93,299; Sept. 2; Gaz. vol. 194; p. 270.
- Schalk Brewery, Incorporated, Newark, N. J. Beer. No. 94,764; Dec. 30; Gaz. vol. 197; p. 1288.
- Schandein & Lind Co., Philadelphia, Pa. Candy. No. 94,205; Nov. 11; Gaz. vol. 196; p. 522.
- Schandein & Lind Co., Philadelphia, Pa. Candy. No. 94,327; Nov. 25; Gaz. vol. 196; p. 1049.
- Scharwath, John A., New York, N. Y. Fire and water proof pipe-covering. No. 93,035; Aug. 12; Gaz. vol. 193; p. 506.
- Scheffer & Rossum Company, St. Paul, Minn. Fly-nets. No. 94,674; Dec. 23; Gaz. vol. 197; p. 994.
- Scheinman, Isaac, New York, N. Y. Garment fasteners and supporters. No. 92,002; June 10; Gaz. vol. 191; p. 583.
- Schell, John H., Brooklyn, N. Y. Tooth-paste and mouth-wash. No. 92,269; June 24; Gaz. vol. 191; p. 1064.
- Scherer, William J., Rochester, N. Y. Metal-polish. No. 90,586; Mar. 4; Gaz. vol. 188; p. 239.
- Schermerhorn Bros. Co., Omaha, Nebr. Paper towels and napkins and toilet-paper. No. 93,300; Sept. 2; Gaz. vol. 194; p. 270.
- Schermerhorn Bros. Co., Chicago, Ill. Twine and cordage. No. 93,382; Sept. 9; Gaz. vol. 194; p. 547.
- Schimmel & Co., Miltitz-Leipzig, Germany. Product of the condensation of tannic acid with thymol. No. 90,256; Feb. 11; Gaz. vol. 187; p. 510.
- Schindler, Carl, Schöneberg, Germany. Antisyphiliticum. No. 93,383; Sept. 9; Gaz. vol. 194; p. 547.
- Schlater, Augustus T., Philadelphia, Pa. Automobiles. No. 93,209; Aug. 26; Gaz. vol. 193; p. 1013.
- Schleicher & Schüll, Carl, Düren, Germany. Filtering-paper. No. 89,956; Jan. 21; Gaz. vol. 186; p. 794.
- Schleicher & Schüll, Carl, Düren, Germany. Filtering-papers. No. 94,328; Nov. 25; Gaz. vol. 196; p. 1049.
- Schlessel, Philip, New York, N. Y. Ladies' dresses. No. 94,492; Dec. 9; Gaz. vol. 197; p. 529.
- Schlichting, Albert T., Newark, N. J. Metal-polishes. No. 93,036; Aug. 12; Gaz. vol. 193; p. 506.
- Schliemann's Oil & Ceresine Company, Inc., New York, N. Y. Lubricating-oils. No. 94,029; Oct. 28; Gaz. vol. 195; p. 1047.
- Schliemann's Oil & Ceresine Company, Inc., New York, N. Y. Certain lubricating and machine oils and engine-grease. No. 94,765; Dec. 30; Gaz. vol. 197; p. 1288.
- Schmachtenberg Brothers Inc., New York, N. Y. Certain named knives, razors, scissors, shears, &c. No. 90,389; Feb. 18; Gaz. vol. 187; p. 826.
- Schmidt, Felix A., New York, N. Y. Wigs, toupees, puffs, and switches. No. 90,929; Apr. 1; Gaz. vol. 189; p. 249.
- Schmidt, Hugo, Chicago, Ill. Chewing-gum. No. 89,877; Jan. 14; Gaz. vol. 186; p. 553.
- Schmidt Lithograph Company, San Francisco, Cal. Cigars. No. 90,588; Mar. 4; Gaz. vol. 188; p. 240.
- Schmitt & Henry Manufacturing Company, Des Moines, Iowa. Mattresses and pillows. No. 93,384; Sept. 9; Gaz. vol. 194; p. 547.
- Schnabl & Co., Jac., Vienna, Austria-Hungary. Cigarette-paper. No. 90,747; Mar. 18; Gaz. vol. 188; p. 805.
- Schoen-Jackson Company, Media, Pa. Carbureters. No. 89,776; Jan. 7; Gaz. vol. 186; p. 286.
- Schoenberg, Ralph A., Boston, Mass. Pipes. No. 94,030; Oct. 28; Gaz. vol. 195; p. 1047.
- Scholl Manufacturing Company, Chicago, Ill. Corn-plasters and foot-powders. No. 94,031; Oct. 28; Gaz. vol. 195; p. 1047.
- Scholtz Drug Company, The, Denver, Colo. Mouth and tooth wash. No. 90,589; Mar. 4; Gaz. vol. 188; p. 240.
- Schoonmaker, Frederick W., Jr., New York, N. Y. Remedy for bites and stings of poisonous insects. No. 94,329; Nov. 25; Gaz. vol. 196; p. 1049.
- Schott & Gen., Jena, Germany. Raw glass for certain named purposes. No. 94,493; Dec. 9; Gaz. vol. 197; p. 529.
- Schremp, Edward J., Utica, N. Y. Certain named clothing. No. 94,119; Nov. 4; Gaz. vol. 196; p. 271.
- Schubert Piano Co., New York, N. Y. Pianos. No. 90,590; Mar. 4; Gaz. vol. 188; p. 240.
- Schubert Gebrüder, Berlin, Germany. Antiseptic solution. No. 89,957; Jan. 21; Gaz. vol. 186; p. 794.
- Schuerger, John G., Washington, D. C. Bread. No. 93,563; Sept. 23; Gaz. vol. 194; p. 948.
- Schuetz, Renziehausen & Company, Pittsburgh, Pa. Gin. No. 90,930; Apr. 1; Gaz. vol. 189; p. 249.
- Schülke & Mayr, Hamburg, Germany. Disinfectants and antiseptics. Nos. 93,037-8; Aug. 12; Gaz. vol. 193; p. 506.
- Schuster Co., Rochester, Minn. Whisky. No. 91,384; Apr. 29; Gaz. vol. 189; p. 1277.
- Schuster & Co., F. W., Pittsburgh, Pa. Certain named foods. No. 91,383; Apr. 29; Gaz. vol. 189; p. 1277.
- Schuster Company, The, Cleveland, Ohio. Whisky. No. 91,608; May 13; Gaz. vol. 190; p. 545.
- Schuster Company, The, Cleveland, Ohio. Alcoholic cider. No. 92,472; July 8; Gaz. vol. 192; p. 513.
- Schwartz, William, Norristown, Pa. Bread. No. 93,927; Oct. 21; Gaz. vol. 195; p. 814.
- Schwarz & Wild, St. Louis, Mo. Blouses and skirts. No. 92,836; July 29; Gaz. vol. 192; p. 1257.
- Schwenger & Weed, Schenectady, N. Y. Insecticides. No. 94,206; Nov. 11; Gaz. vol. 196; p. 522.
- Schwerz, Franz, Charlottenburg, Germany. Antiseptic. No. 93,646; Oct. 7; Gaz. vol. 195; p. 271.
- Scientific Supply Company, St. Louis, Mo. Collections of specimens of animal, mineral, and vegetable substances. No. 93,611; Sept. 30; Gaz. vol. 194; p. 1138.
- Scotch-Tone Remedy Co., Oklahoma, Okla. Face and cold cream. No. 91,257; Apr. 22; Gaz. vol. 189; p. 1028.
- Scotch-Tone Remedy Co., Oklahoma, Okla. Liniment, tooth-paste, laxative, pills, &c. No. 93,928; Oct. 21; Gaz. vol. 195; p. 814.
- Scott, Harry L., Baltimore, Md. Ice-cream. No. 93,647; Oct. 7; Gaz. vol. 195; p. 271.
- Scott, Henry C., Cleveland, Ohio. Cleaning and polishing compound. No. 91,258; Apr. 22; Gaz. vol. 189; p. 1028.
- Scott, Robert M., Oklahoma, Okla. Alternative and restorative. No. 90,750; Mar. 18; Gaz. vol. 188; p. 805.
- Scott, Robert M., Oklahoma, Okla. Stomach restorative. No. 91,259; Apr. 22; Gaz. vol. 189; p. 1028.
- Scott, Robert M., Oklahoma, Okla. Respirative. No. 91,260; Apr. 22; Gaz. vol. 189; p. 1028.

- Scovill Manufacturing Company, Waterbury, Conn. Metal stand-lamps. No. 89,878; Jan. 14; Gaz. vol. 186; p. 553.
- Scow, Eric, Chicago, Ill. Remedy for rheumatism. No. 92,003; June 10; Gaz. vol. 191; p. 583.
- Sea Island Thread Co., New York, N. Y. Mercerized thread. Nos. 90,139-40; Feb. 4; Gaz. vol. 187; p. 228.
- Sea Island Thread Co., New York, N. Y. Mercerized thread and spool-cotton. Nos. 93,760-2; Oct. 14; Gaz. vol. 195; p. 536.
- Sea Island Thread Co., New York, N. Y. Mercerized thread and spool-cotton. No. 94,766; Dec. 30; Gaz. vol. 197; p. 1288.
- Seaboard Rice Milling Co., Galveston, Tex. Cereal breakfast food. No. 92,589; July 15; Gaz. vol. 192; p. 739.
- Seacoast Canning Co., Eastport, Me. Canned sardines. No. 90,060; Jan. 28; Gaz. vol. 186; p. 983.
- Seacoast Canning Co., Eastport, Me. Canned sardines. No. 90,928; Apr. 1; Gaz. vol. 189; p. 249.
- Seacoast Canning Co., Eastport, Me. Sardines. No. 91,807; May 27; Gaz. vol. 190; p. 1025.
- Seacoast Canning Company, Eastport, Me. Canned sardines. No. 94,208; Nov. 11; Gaz. vol. 196; p. 523.
- Sealo Tire Company, Chicago, Ill. Composition for preventing leaking of air in pneumatic tires. No. 92,723; July 22; Gaz. vol. 192; p. 986.
- Seamless Rubber Company, The, New Haven, Conn. Certain named dental, medical, and surgical appliances. No. 92,133; June 17; Gaz. vol. 191; p. 828.
- Seamless Rubber Company, The, New Haven, Conn. Certain dental, medical, and surgical appliances. No. 92,724; July 22; Gaz. vol. 192; p. 986.
- Sears, Roebuck and Co., Chicago, Ill. Bicycles. No. 91,609; May 13; Gaz. vol. 190; p. 545.
- Sears, Roebuck & Co., Chicago, Ill. Rubber tires for automobiles. No. 92,134; June 17; Gaz. vol. 191; p. 828.
- Sears, Roebuck and Co., Chicago, Ill. Electric horns for automobiles, &c. No. 92,270; June 24; Gaz. vol. 191; p. 1064.
- Sears, Roebuck and Co., Chicago, Ill. Substitute for lard. No. 94,401; Dec. 2; Gaz. vol. 197; p. 236.
- Secret of Beauty Mfg. Company, The, Youngstown, Ohio. Certain named toilet preparations. No. 90,384; Feb. 18; Gaz. vol. 187; p. 826.
- Seeman Brothers, New York, N. Y. Coffee. No. 91,039; Apr. 8; Gaz. vol. 189; p. 519.
- Seiss Manufacturing Company, Toledo, Ohio. Goggles. No. 94,209; Nov. 11; Gaz. vol. 196; p. 523.
- Seitz-Werke Theo. & Geo. Seitz, Kreuznach, Germany. Certain chemically-prepared substances for filtering purposes. No. 92,004; June 10; Gaz. vol. 191; p. 583.
- Seitz-Werke Theo. & Geo. Seitz, Kreuznach, Germany. Filters. No. 92,473; July 8; Gaz. vol. 192; p. 513.
- Sel Amalgamant Clarks Corporation, Richmond, Va., and New York, N. Y. Bath-salts. No. 91,706; May 20; Gaz. vol. 190; p. 789.
- Selas Company. (See "Selas" Gesellschaft mit beschränkter Haftung, assignor.)
- "Selas" Gesellschaft mit beschränkter Haftung, Berlin, Germany, assignor to Selas Company, New York, N. Y. Certain heating, lighting, and ventilating apparatus, not including electrical apparatus. No. 92,725; July 22; Gaz. vol. 192; p. 986.
- Selby, John A., Camden, N. J. Wash for the mouth and teeth. No. 93,564; Sept. 23; Gaz. vol. 194; p. 948.
- Seldner & Enequist, Brooklyn, N. Y. Dragon's blood. No. 90,061; Jan. 29; Gaz. vol. 186; p. 983.
- Seldner & Enequist, New York, N. Y. Solution to accelerate the preparation of photographic collodion. No. 93,039; Aug. 12; Gaz. vol. 193; p. 506.
- Self Sealing Sifter Top Company, The, Philadelphia, Pa. Sifting vessels for dispensing certain named powdered or granular material. No. 90,247; Feb. 11; Gaz. vol. 187; p. 509.
- Self-Sharpening Pencil Company, Providence, R. I. Pencils, pens, and leads. No. 90,248; Feb. 11; Gaz. vol. 187; p. 509.
- Selip Manufacturing Company, Los Angeles, Cal. Remedy for piles. No. 94,032; Oct. 28; Gaz. vol. 195; p. 1047.
- Selz, Schwab & Co., Chicago, Ill. Certain named clothing for men, women, misses, children, boys, and youths. No. 92,726; July 22; Gaz. vol. 192; p. 986.
- Selz, Schwab & Co., Chicago, Ill. Certain footwear for men, women, misses, children, boys, and youths. No. 92,727; July 22; Gaz. vol. 192; p. 986.
- "Semperit" Oesterreichisch-Amerikanische Gummiwerke, Aktiengesellschaft, Vienna XIII, Austria-Hungary. Rubber erasers. No. 92,913; Aug. 5; Gaz. vol. 193; p. 216.
- "Semperit" Oesterreichisch - Amerikanische Gummiwerke, Aktiengesellschaft, Vienna, Austria-Hungary. Certain named clothing. No. 93,124; Aug. 19; Gaz. vol. 193; p. 751.
- "Semperit" Oesterreichisch-Amerikanische Gummiwerke, Aktiengesellschaft, Vienna, Austria-Hungary. Certain belting, hose, machinery packing, and non-metallic tires. No. 93,565; Sept. 23; Gaz. vol. 194; p. 948.
- "Semperit" Oesterreichisch-Amerikanische Gummiwerke Aktiengesellschaft, Vienna, Austria-Hungary. Balls. No. 94,120; Nov. 4; Gaz. vol. 196; p. 271.
- Senner & Kaplan Co., New York, N. Y. Dresses and dress-waists. No. 91,385; Apr. 29; Gaz. vol. 189; p. 1277.
- Senz, Anthony W., Chicago, Ill. Candies. No. 93,498; Sept. 16; Gaz. vol. 194; p. 741.
- Service Motor Car Company, Wabash, Ind. Motor-trucks. No. 90,249; Feb. 11; Gaz. vol. 187; p. 509.
- Sessoms, Jerry M., Lumberton, N. C. Remedy for catarrh. No. 91,261; Apr. 22; Gaz. vol. 189; p. 1028.
- Seyfarth, Henry G., Chicago, Ill. Corn-plasters. No. 93,763; Oct. 14; Gaz. vol. 195; p. 536.
- Shackelton, Wilson C., Chicago, Ill. Metal-polish. No. 91,040; Apr. 8; Gaz. vol. 189; p. 520.
- Shaft-Pierce Shoe Co., Faribault, Minn. Shoes. No. 94,494; Dec. 9; Gaz. vol. 197; p. 529.
- Shapiro Bros., New York, N. Y. Ladies' misses', juniors', and children's dresses. No. 94,767; Dec. 30; Gaz. vol. 197; p. 1288.
- Shapleigh Hardware Company, St. Louis, Mo. Enameled metal ware. No. 94,768; Dec. 30; Gaz. vol. 197; p. 1288.
- Shaw & Co., Alex. D., New York, N. Y. Sherry-wine. No. 91,908; June 3; Gaz. vol. 191; p. 289.
- Shaw & Co., Alex. D., New York, N. Y. Brandy. No. 92,372; July 1; Gaz. vol. 192; p. 213.
- Shaw & Co., Alex. D., New York, N. Y. German wine. No. 93,301; Sept. 2; Gaz. vol. 194; p. 270.
- Shedd Medicine Company, Jamestown, N. Y. Pills, ointment, worm specific, &c. No. 93,612; Sept. 30; Gaz. vol. 194; p. 1138.
- Sheehy, William J., Chicago, Ill. Needle-threading devices. No. 93,125; Aug. 19; Gaz. vol. 193; p. 751.
- Sheet Metal Specialty Co., Pittsburgh, Pa. Sheet-metal, stove, furnace, and heating pipes, elbows, &c. No. 92,271; June 24; Gaz. vol. 191; p. 1064.
- Sheffield Dentifrice Co., New London, Conn., and New York, N. Y. Cordial. No. 92,728; July 22; Gaz. vol. 192; p. 986.
- Sheldon Axle Company, Wilkes-Barre, Pa. Axles for vehicles having more than one wheel. No. 91,386; Apr. 29; Gaz. vol. 189; p. 1277.
- Shelley, William K., Baltimore, Md. Automobiles. No. 94,330; Nov. 25; Gaz. vol. 196; p. 1049.
- Sheppard Drug Company, The, Charlotte, N. C. Certain chemicals, medicines, and pharmaceutical preparations. No. 92,729; July 22; Gaz. vol. 192; p. 986.
- Sherer-Gillett Company, Chicago, Ill. Certain named spices and flavorings for foods. No. 91,133; Apr. 15; Gaz. vol. 189; p. 777.
- Sherer-Gillett Company, Chicago, Ill. Certain named foods. No. 91,517; May 6; Gaz. vol. 190; p. 261.
- Sherman, Clay & Co., San Francisco, Cal. Violin-strings. No. 91,610; May 13; Gaz. vol. 190; p. 545.
- Sherman Overall Manufacturing Co., Sherman, Tex. Overalls, jumpers, and trousers. No. 93,929; Oct. 21; Gaz. vol. 195; p. 815.
- Sherwood Distilling Co., Baltimore, Md. Whisky. No. 92,272; June 24; Gaz. vol. 191; p. 1064.
- Sherwood Distilling Co., Baltimore, Md. Whisky. No. 92,273; June 24; Gaz. vol. 191; p. 1064.
- Shiverts & Simon, New York, N. Y. Boots, shoes, slippers, and overshoes. No. 94,534; Dec. 9; Gaz. vol. 197; p. 530.
- Shoninger, Sol. H., Chicago, Ill. Sanitary napkins and supporters. No. 93,040; Aug. 12; Gaz. vol. 193; p. 506.
- Shoten, Yenjo, Tokyo, Japan. Vegetable digestive enzyme. No. 94,210; Nov. 11; Gaz. vol. 196; p. 523.
- Shultz, Arthur E., Olney, Ill. Seeds. No. 93,930; Oct. 21; Gaz. vol. 195; p. 815.
- Sibley, Nettie E., Springfield, Mass. Corn-files. No. 93,931; Oct. 21; Gaz. vol. 195; p. 815.
- Sidney Blumenthal & Co., New York, N. Y. Textile rings. No. 90,504; Mar. 4; Gaz. vol. 188; p. 237.
- Sidney Suspender Company, Providence, R. I., and Attleboro, Mass. Belts, suspenders, and garters. No. 94,121; Nov. 4; Gaz. vol. 196; p. 271.
- Siemens-Schuckertwerke, Gesellschaft mit beschränkter Haftung, Berlin, Germany. Electric fuse-blocks. No. 91,387; Apr. 29; Gaz. vol. 189; p. 1277.
- Silica Products Company, Spokane, Wash., and Portland, Oreg. Cleaning compound. No. 93,210; Aug. 26; Gaz. vol. 193; p. 1013.
- Silver, Edwin H., Washington, D. C. Optical and other lenses. No. 90,748; Mar. 18; Gaz. vol. 188; p. 805.
- Silverberg Import Co., New York, N. Y. Hair-nets. Nos. 90,385-6; Feb. 18; Gaz. vol. 187; p. 826.
- Silverberg Import Co., New York, N. Y. Hair-nets. No. 90,931; Apr. 1; Gaz. vol. 189; p. 249.
- Silverberg Import Co., New York, N. Y. Hair-nets. No. 92,914; Aug. 5; Gaz. vol. 193; p. 216.
- Silverberg Import Co., Inc., New York, N. Y. Hair-nets. No. 93,932; Oct. 21; Gaz. vol. 195; p. 815.
- Simon Levi Company, Los Angeles, Cal. Canned peeled green chilli. No. 91,223; Apr. 22; Gaz. vol. 189; p. 1027.
- Simonara, Antonio, Willisville, Ill. Remedy for rheumatism. No. 91,428; Apr. 29; Gaz. vol. 189; p. 1278.

Alphabetical list of registrants of trade-marks—Continued.

- Simplex Window Co., San Francisco, Cal. Windows, sashes, frames, and fixtures. No. 93,764; Oct. 14; Gaz. vol. 195; p. 536.
- Simpson Spring Company, Easton, Pa. Non-alcoholic drinks. No. 93,765; Oct. 14; Gaz. vol. 195; p. 536.
- Singer Manufacturing Company, Elizabeth, N. J. Sewing-machine needles. No. 91,518; May 6; Gaz. vol. 190; p. 261.
- Singer Manufacturing Company, The, Elizabeth, N. J. Sewing-machine needles. No. 91,611; May 13; Gaz. vol. 190; p. 545.
- Singer Manufacturing Company, The, Elizabeth, N. J. Sewing-machines and their parts and attachments. Nos. 91,910-11; June 3; Gaz. vol. 191; p. 289.
- Singer Manufacturing Company, The, Elizabeth, N. J. Sewing-machines and parts thereof and attachments therefor. Nos. 93,126-7; Aug. 19; Gaz. vol. 193; p. 751.
- Singer Manufacturing Company, The, Elizabeth, N. J. Sewing-machine needles. No. 93,128; Aug. 19; Gaz. vol. 193; p. 751.
- Singer, Morris, New York, N. Y. Certain named measuring and scientific appliances. No. 91,909; June 3; Gaz. vol. 191; p. 289.
- Single Service Package Corporation of America, New York, N. Y. Metal and paper cartons. No. 93,385; Sept. 9; Gaz. vol. 194; p. 547.
- Sinsheimer, Lester, New York, N. Y. Certain named underwear. No. 91,134; Apr. 15; Gaz. vol. 189; p. 777.
- Sip Manufacturing Company, Memphis, Tenn. Non-alcoholic beverage. No. 92,373; July 1; Gaz. vol. 192; p. 213.
- Siskind, Eugene N., Roxbury, Mass. Nerve-tonic. No. 89,958; Jan. 21; Gaz. vol. 186; p. 794.
- Six Little Yankees Co., Philadelphia, Pa. Chemical used in gasoline-engines to remove carbon deposits. No. 91,707; May 20; Gaz. vol. 190; p. 789.
- Skolnick, William, New Haven, Conn. Cream polish for furniture, &c. No. 94,676; Dec. 23; Gaz. vol. 197; p. 994.
- Sligo Iron & Steel Co., Connellsville, Pa. Wrought-iron. Nos. 91,708-9; May 20; Gaz. vol. 190; p. 789.
- Sloan, A. Kellogg, Brooklyn, N. Y. Electrical connectors and binding-posts. No. 94,122; Nov. 4; Gaz. vol. 196; p. 271.
- Sloan, John R., and D. N. Farmer, Stanley, Kans. Remedy for hog-cholera. No. 92,590; July 15; Gaz. vol. 192; p. 739.
- Slye, Clarence E., Chicago, Ill. Garment-hangers. No. 92,474; July 8; Gaz. vol. 192; p. 513.
- Smiley & Co., J. L., Blaine, Wash. Canned salmon. Nos. 94,677-8; Dec. 23; Gaz. vol. 197; p. 994.
- Smith-Briscoe Shoe-Co., Inc., Lynchburg, Va. Leather shoes. No. 90,592; Mar. 4; Gaz. vol. 188; p. 240.
- Smith Brothers, Baltimore, Md. Cough-drops. No. 90,753; Mar. 18; Gaz. vol. 188; p. 805.
- Smith Cannery Machines Company, Seattle, Wash. Cutter-heads and lathes. No. 91,519; May 6; Gaz. vol. 190; p. 261.
- Smith, David A., Wonder, Nev. Preparation for the treatment of sore eyes. No. 94,793; Dec. 30; Gaz. vol. 197; p. 1289.
- Smith, Gilman B., New York, N. Y. Certain fancy goods, furnishings, and notions. No. 92,591; July 15; Gaz. vol. 192; p. 739.
- Smith, Gilman B., New York, N. Y. Collar-supporters. No. 92,915; Aug. 5; Gaz. vol. 193; p. 216.
- Smith & Herrick Co., Albany, N. Y. Men's leather shoes. No. 92,274; June 24; Gaz. vol. 191; p. 1064.
- Smith, Horace S., West Olive, Mich. Remedy for kidney troubles. No. 93,041; Aug. 12; Gaz. vol. 193; p. 506.
- Smith, James C., Dumont, N. J. Preparation of milk and chocolate. No. 94,331; Nov. 25; Gaz. vol. 196; p. 1049.
- Smith, Joseph H., Lynn, Mass. Foot-arch supports. No. 91,912; June 3; Gaz. vol. 191; p. 289.
- Smith, Kline & French Co., Philadelphia, Pa. Remedy for the relief of digestive disorders. No. 90,250; Feb. 11; Gaz. vol. 187; p. 509.
- Smith, Kline & French Co., Philadelphia, Pa. Cathartic capsules. No. 92,730; July 22; Gaz. vol. 192; p. 986.
- Smith, Kline & French Company, Philadelphia, Pa. Talcum powder. No. 93,386; Sept. 9; Gaz. vol. 194; p. 547.
- Smith, Lee O., New Cumberland, W. Va. Coating for interior walls. No. 90,752; Mar. 18; Gaz. vol. 188; p. 805.
- Smith & Son, W. H., London, England. Fountain and stylographic pens. No. 91,809; May 27; Gaz. vol. 190; p. 1025.
- Smith & Wesson, Springfield, Mass. Revolvers, pistols, automatic pistols, rifles, guns, and ammunition. Nos. 93,766-7; Oct. 14; Gaz. vol. 195; p. 536.
- Smith, William R., Monessen, Pa. Remedy for eczema, &c. No. 91,262; Apr. 22; Gaz. vol. 189; p. 1028.
- Smoke-No-More Co., Winnfield, La. Remedy for the smoking habit. No. 91,810; May 27; Gaz. vol. 190; p. 1025.
- Smyth & Co., Ross T., Liverpool, England. Wheat-flour. No. 94,033; Oct. 28; Gaz. vol. 195; p. 1047.
- Snappy Gum Company, Toledo, Ohio. Chewing-gum. No. 90,754; Mar. 18; Gaz. vol. 188; p. 805.
- Snively & Co., Clarence O., Lebanon, Pa. Disinfectants, deodorizers, germicides, &c. No. 90,593; Mar. 4; Gaz. vol. 188; p. 240.
- Snow Flake Axle Grease Company, The, Fitchburg, Mass. Soap. No. 93,042; Aug. 12; Gaz. vol. 193; p. 506.
- Snow, Geo. E., Eastlake, Fla. Oranges. No. 91,520; May 6; Gaz. vol. 190; p. 261.
- Snow, Mary A., Boston, Mass. Sherry and port wine. No. 91,811; May 27; Gaz. vol. 190; p. 1025.
- Snow, Mary A., Boston, Mass. Brandy, gin, and whisky. No. 92,136; June 17; Gaz. vol. 191; p. 828.
- Sochocky, Sabin, New York, N. Y. Radio-active table-water. No. 91,429; Apr. 29; Gaz. vol. 189; p. 1278.
- Sociedad Anonima F. Krauch & Co., Société Anonyme, Antwerp, Belgium. Essences for making perfumery and tooth-soap. No. 91,914; June 3; Gaz. vol. 191; p. 289.
- Società Anonima Italiana Gio. Ansaldo Armstrong & Co., Genoa and Rome, Italy. Armor-plates and iron and steel. No. 94,495; Dec. 9; Gaz. vol. 197; p. 529.
- Società Vincola Italiana, Casteggio, Italy. Wines. No. 89,959; Jan. 21; Gaz. vol. 186; p. 794.
- Société Anonyme Chauffage et Éclairage Sepulchre, Herstal, near Liege, Belgium. Glass chimneys, globes, shades, and reflectors. No. 92,005; June 10; Gaz. vol. 191; p. 583.
- Société Anonyme Chauffage et Éclairage Sepulchre, Herstal, near Liege, Belgium. Metal lamp chimneys and reflectors. No. 92,006; June 10; Gaz. vol. 191; p. 583.
- Société Anonyme Constructions Industrielles Dijonnaises, Dijon, France. Automobiles. No. 94,679; Dec. 23; Gaz. vol. 197; p. 994.
- Société Anonyme de la Vieille Cure de Cenon, Cenon, France. Liqueurs. No. 91,042; Apr. 8; Gaz. vol. 189; p. 520.
- Société Anonyme des Anciens Etablissements Braunstein Freres, Paris, France. Cigarette-papers. No. 92,275; June 24; Gaz. vol. 191; p. 1064.
- Société Anonyme Des Anciens Etablissements Braunstein Freres, Paris, France. Cigarette-papers. No. 93,509; Sept. 16; Gaz. vol. 194; p. 742.
- Société Anonyme Des Anciens Etablissements Braunstein Freres, Paris, France. Cigarette-papers. Nos. 94,680-2; Dec. 23; Gaz. vol. 197; p. 994.
- Société Anonyme des Celluloses Planchon, Lyon, France. Certain named measuring and scientific appliances. No. 92,276; June 24; Gaz. vol. 191; p. 1064.
- Société Anonyme des Usines Peters-Lacroix, Haren, Brussels, Belgium. Wall-papers. No. 92,135; June 17; Gaz. vol. 191; p. 828.
- Société Anonyme Papeteries Delcroix, Baulers, near Nivelles, Belgium. Wrapping and packing paper. No. 90,251; Feb. 11; Gaz. vol. 187; p. 509.
- Société Anonyme "Utocolor," La Garene, Colombes, France. Developers, intensifiers, and fixing agents for photography. No. 91,710; May 20; Gaz. vol. 190; p. 789.
- Société Francaise De L'Ondulium, Vitry-sur-Seine, France. Building materials. No. 93,387; Sept. 9; Gaz. vol. 194; p. 547.
- Société Francaise des Films et Cinematographes Eclair, New York, N. Y. Moving-picture films. No. 91,613; May 13; Gaz. vol. 190; p. 545.
- Société Francaise des Films et Cinematographes Eclair, New York, N. Y. Moving-picture films. No. 91,711; May 20; Gaz. vol. 190; p. 789.
- Société Francaise des Films et Cinematographes Eclair, New York, N. Y., and Fort Lee, N. J. Moving-picture films. No. 92,731; July 22; Gaz. vol. 192; p. 986.
- Société Francaise des Films et Cinematographes Eclair, New York, N. Y. Moving-picture films. No. 93,043; Aug. 12; Gaz. vol. 193; p. 506.
- Société Internationale de Lumière Froide (Procédés Dus-saud), Paris, France. Apparatus for the projection of images. No. 91,135; Apr. 15; Gaz. vol. 189; p. 777.
- Société La Mondaïne, Paris, France. Incandescent electric lamps. No. 93,933; Oct. 21; Gaz. vol. 195; p. 815.
- Société Nouvelle des Sterilisateurs Cartault, Paris, France. Water-sterilizing apparatus. No. 94,255; Nov. 18; Gaz. vol. 196; p. 801.
- Société "Savoia Film," Turin, Italy. Certain named measuring and scientific appliances. No. 91,612; May 13; Gaz. vol. 190; p. 545.
- Société Vermouth Mont Blanc, Marone & Cie., Chambéry, France. Vermouth. No. 94,565; Dec. 16; Gaz. vol. 197; p. 778.
- Society for the Prevention of Useless Giving, New York, N. Y. Emblem-pins and display-emblems. No. 92,277; June 24; Gaz. vol. 191; p. 1064.
- Society of Chemical Industry in Basle. (See Manissadjian, Haigasun B., assignor.)
- Society of Chemical Industry in Basle, Basel, Switzerland. Certain pharmaceutical product suitable as a substitute for iodoform. No. 92,732; July 22; Gaz. vol. 192; p. 986.
- Soden, George A., Chicago, Ill. Pencils and fountain-pens. Nos. 89,881-4; Jan. 14; Gaz. vol. 186; pp. 553-4.
- Sokol Chemical Company, Philadelphia, Pa. Pharmaceutical preparation. No. 93,473; Sept. 16; Gaz. vol. 194; p. 741.

- Solomon Medicine Co., E. E., Lonoke, Ark. Diarrhea remedies, chill-tonics, cough-syrup, &c. No. 91,521; May 6; Gaz. vol. 190; p. 261.
- Solomon, Nathan F., St. Louis, Mo. White coating and cleaner for white shoes. No. 91,812; May 27; Gaz. vol. 190; p. 1025.
- Solon Palmer, New York, N. Y. Perfume, toilet water, sachet and complexion powder. No. 92,573; July 15; Gaz. vol. 192; p. 739.
- Soltmann, Edward G., New York, N. Y. Drawing-pencils. No. 91,614; May 13; Gaz. vol. 190; p. 545.
- Somers & Co., San Francisco, Cal. Stock food. No. 90,932; Apr. 1; Gaz. vol. 189; p. 249.
- Sonneborn & Co., Henry, Baltimore, Md. Certain named women's and misses' shoes, hats, suits, &c. No. 91,388; Apr. 29; Gaz. vol. 189; p. 1277.
- Sottile & Korsgen, Edgewater, N. J. Razor-sharpening pomade. No. 94,124; Nov. 4; Gaz. vol. 196; p. 271.
- South Florida Grapefruit Co., Piney Point, Fla. Oranges, grape-fruit, and tangerines. No. 93,648; Oct. 7; Gaz. vol. 195; p. 271.
- Southall Brothers and Barclay, Limited, Birmingham, England. Medicated tonic food. No. 94,256; Nov. 18; Gaz. vol. 196; p. 801.
- Southern Cotton Oil Company, The, Jersey City, N. J. Cotton-seed oil. No. 91,263; Apr. 22; Gaz. vol. 189; p. 1028.
- Southern States Refining Company, The, Jacksonville, Fla. Paint-oil. No. 93,388; Sept. 9; Gaz. vol. 194; p. 547.
- Southwestern States Portland Cement Company, Dallas, Tex. Portland cement. No. 92,278; June 24; Gaz. vol. 191; p. 1064.
- Spare Motor Wheel of America Ltd., The, St. Anne and Chicago, Ill. Automobile-wheels. No. 91,136; Apr. 15; Gaz. vol. 189; p. 777.
- Sparks-Withington Company, The, Jackson, Mich. Electrical horns. No. 93,302; Sept. 2; Gaz. vol. 194; p. 270.
- Speedway Remedy Co., Shelby, Ohio. Liniment. No. 94,257; Nov. 18; Gaz. vol. 196; p. 801.
- Spencer, Dr. J. H., Vicksburg, Miss. Remedy for rheumatism and neuralgia. No. 92,837; July 29; Gaz. vol. 192; p. 1257.
- Spicher, Daniel S., Hillsdale, Pa. Remedy for catarrh. No. 92,280; June 24; Gaz. vol. 191; p. 1064.
- Spiers, Ernest A., London, England. Rheumatic powder, liniment, and constipation-tablets. No. 94,794; Dec. 30; Gaz. vol. 197; p. 1289.
- Spies, Charles B., New York, N. Y. Liquids for cleaning and polishing metallic articles. No. 92,916; Aug. 5; Gaz. vol. 193; p. 216.
- Split Bitter Co., Peoria, Ill. Bitters. No. 94,332; Nov. 25; Gaz. vol. 196; p. 1049.
- Spokane Valley Orchard & Land Co., Spokane Bridge, Wash. Certain named chemicals, medicines, and pharmaceutical preparations. No. 92,592; July 15; Gaz. vol. 192; p. 740.
- Spool Cotton Company, The, Newark, N. J., and New York, N. Y. Thread. No. 89,961; Jan. 21; Gaz. vol. 186; p. 794.
- Spooner, Orin E., Boston, Mass. Oranges, pineapples, lemons, limes, and grape-fruit. No. 94,684; Dec. 23; Gaz. vol. 197; p. 994.
- Sprague, Warner & Company, Chicago, Ill. Paper bags. No. 91,266; Apr. 22; Gaz. vol. 189; p. 1028.
- Spratt's Patent, Limited, London, England. Biscuits for dogs, cats, game, poultry, and other animals. No. 92,281; June 24; Gaz. vol. 191; p. 1064.
- Sprout, Waldron & Co., Muncy, Pa. Certain machinery and tools and parts thereof. No. 91,615; May 13; Gaz. vol. 190; p. 545.
- St. Jean, Vitaline, Putnam, Conn. Salve. No. 93,477; Sept. 16; Gaz. vol. 194; p. 741.
- St. Louis Coffee & Spice Mills, St. Louis, Mo. Blended coffee. No. 92,375; July 1; Gaz. vol. 192; p. 213.
- St. Louis Fireworks Co., Memphis, Tenn., and St. Louis, Mo. Fireworks. No. 93,212; Aug. 26; Gaz. vol. 193; p. 1013.
- St. Louis Tent, Awning & Fish Net Company, St. Louis, Mo. Waterproof duck and canvas. No. 90,933; Apr. 1; Gaz. vol. 189; p. 249.
- Stall & Dean Mfg. Co., Brockton, Mass. Base-ball gloves and balls. No. 89,885; Jan. 14; Gaz. vol. 186; p. 554.
- Stamford Foundry Company, Stamford, Conn. Cooking stoves and ranges. No. 92,917; Aug. 5; Gaz. vol. 193; p. 216.
- Standard Charcoal Company, Bradford, Pa. Charcoal. No. 94,566; Dec. 16; Gaz. vol. 197; p. 778.
- Standard Cigar Company, Incorporated, Wilmington, Del., and Norristown, Pa. Cigars. No. 94,496; Dec. 9; Gaz. vol. 197; p. 529.
- Standard Company, The, Torrington, Conn. Vehicle spokes and nipples. No. 91,813; May 27; Gaz. vol. 190; p. 1025.
- Standard Company, Torrington, Conn. Pedals for bicycles, tricycles, motor-cycles, and motor-tricycles. Nos. 93,768-9; Oct. 14; Gaz. vol. 195; p. 536.
- Standard Manufacturing Company, The, Cambridge City, Ind. Chairs. No. 93,389; Sept. 9; Gaz. vol. 194; p. 547.
- Standard Medicine Co., St. Louis, Mo. Remedy for gallstones, malaria, &c. No. 90,252; Feb. 11; Gaz. vol. 187; p. 509.
- Standard Oil Co. (Kentucky), Louisville, Ky. Cylinder-oil. Nos. 92,593-4; July 15; Gaz. vol. 192; p. 740.
- Standard Oil Co. < Kentucky, Louisville, Ky. Illuminating-oil. No. 92,840; July 29; Gaz. vol. 192; p. 1257.
- Standard Oil Co. of New York, New York, N. Y. Certain named oils for illuminating, heating, and power purposes. No. 92,733; July 22; Gaz. vol. 192; p. 986.
- Standard Oil Co. of New York, New York, N. Y. Illuminating-oils. No. 92,841; July 29; Gaz. vol. 192; p. 1257.
- Standard Oil Co. of New York, New York, N. Y. Illuminating-oils. No. 93,044; Aug. 12; Gaz. vol. 193; p. 506.
- Standard Oil Co. of New York, New York, N. Y. Naphtha. No. 94,212; Nov. 11; Gaz. vol. 196; p. 523.
- Standard Oil Co. of New York, New York, N. Y. Refined petroleum. No. 94,498; Dec. 9; Gaz. vol. 197; p. 529.
- Standard Oil Company of New York, New York, N. Y. Refined petroleum. No. 89,886; Jan. 14; Gaz. vol. 186; p. 554.
- Standard Oil Company of New York, New York, N. Y. Refined petroleum. No. 91,389; Apr. 29; Gaz. vol. 189; p. 1277.
- Standard Oil Company of New York, New York, N. Y. Certain oils and greases for illuminating, heating, and power purposes. No. 93,129; Aug. 19; Gaz. vol. 193; p. 751.
- Standard Oil Company of New York, New York, N. Y. Refined petroleum for heating, lighting, and power purposes. No. 93,772; Oct. 14; Gaz. vol. 195; p. 536.
- Standard Oil Company of New York, New York, N. Y. Petroleum. No. 94,402; Dec. 2; Gaz. vol. 197; p. 236.
- Standard Oil Company of New York, New York, N. Y. Varnishes. No. 94,499; Dec. 9; Gaz. vol. 197; p. 529.
- Standard Oil Company of New York, New York, N. Y. Paints. No. 94,500; Dec. 9; Gaz. vol. 197; p. 529.
- Standard Oil Company, Whiting, Ind., and Chicago, Ill. Engine, turbine, transformer, and gas-engine oils. No. 91,522; May 6; Gaz. vol. 190; p. 261.
- Standard Oil Company, Whiting, Ind., and Chicago, Ill. Certain paints and painters' materials. No. 92,838; July 29; Gaz. vol. 192; p. 1257.
- Standard Oil Company, Whiting, Ind., and Chicago, Ill. Cylinder, engine, machine, dynamo, &c., oil. No. 91,616; May 13; Gaz. vol. 190; p. 545.
- Standard Oil Company, Whiting, Ind., and Chicago, Ill. Cylinder and engine oil. No. 92,839; July 29; Gaz. vol. 192; p. 1257.
- Standard Oil Company, Whiting, Ind., and Chicago, Ill. Asphalt. No. 93,566; Sept. 23; Gaz. vol. 194; p. 948.
- Standard Oil Company, Whiting, Ind. Petroleum pitch. No. 93,770; Oct. 14; Gaz. vol. 195; p. 536.
- Standard Oil Company, Richmond, Cal. Refined oil, gasoline, lubricating oils and greases. No. 93,475; Sept. 16; Gaz. vol. 194; p. 741.
- Standard Oil Company, Richmond, Cal. Petroleum asphalt. No. 93,771; Oct. 14; Gaz. vol. 195; p. 536.
- Standard Oil Company, Richmond, Cal. Lubricating oils and greases, refined oil, and gasoline. No. 94,497; Dec. 9; Gaz. vol. 197; p. 529.
- Standard Optical Co., Spokane, Wash. Artificial eyes. No. 93,773; Oct. 14; Gaz. vol. 195; p. 536.
- Standard Paint Company, Boundbrook, N. J., and New York, N. Y. Composition for making certain named construction materials waterproof. No. 92,008; June 10; Gaz. vol. 191; p. 583.
- Standard Paint Company, Boundbrook, N. J., and New York, N. Y. Certain named construction materials. Nos. 92,476-7; July 8; Gaz. vol. 192; p. 513.
- Standard Paper Mfg. Co., Richmond, Va. Blotting-paper. No. 90,253; Feb. 11; Gaz. vol. 187; p. 510.
- Standard Paper Mfg. Co., Richmond, Va. Blotting-paper. Nos. 94,685-7; Dec. 23; Gaz. vol. 197; p. 994.
- Standard Pipe Covering Co., Cleveland, Ohio. Ceiling-sleeves for pipes. No. 94,769; Dec. 30; Gaz. vol. 197; p. 1289.
- Standard Sanitary Mfg. Co., Pittsburgh, Pa. Water-closet tanks. No. 92,137; June 17; Gaz. vol. 191; p. 828.
- Standard Varnish Works, New York, N. Y. Certain named paints and painters' materials. No. 92,734; July 22; Gaz. vol. 192; p. 986.
- Standard Varnish Works, New York, N. Y. Concrete coatings. No. 93,390; Sept. 9; Gaz. vol. 194; p. 547.
- Standard Varnish Works, New York, N. Y. Paints, enamels, japans, varnishes, and varnish-removers. No. 93,774; Oct. 14; Gaz. vol. 195; p. 536.
- Standard Water Systems Co., New York, N. Y. Distilled water. No. 92,918; Aug. 5; Gaz. vol. 193; p. 216.
- Stanley, John T., New York, N. Y. Bleaching-powders. No. 91,712; May 20; Gaz. vol. 190; p. 789.
- Stanley Remedy Company, Chicago, Ill. Remedy for throat and pulmonary diseases. No. 91,713; May 20; Gaz. vol. 190; p. 789.
- Stapf, Charles H., Prescott, Wis. Fish-hooks. No. 93,613; Sept. 30; Gaz. vol. 194; p. 1138.
- Star Company, New York, N. Y. Newspaper-section published periodically. Nos. 94,213-15; Nov. 11; Gaz. vol. 196; p. 523.

Alphabetical list of registrants of trade-marks—Continued.

- Star Company, New York, N. Y. Newspaper-section published periodically. No. 94,501; Dec. 9; Gaz. vol. 197; p. 530.
- Stark Bro's Nurseries & Orchards Co., Louisiana, Mo. Fruit-trees and plants and hardy ornamentals. No. 92,282; June 24; Gaz. vol. 191; p. 1064.
- Stark Nurseries, William P., Stark City, Mo. Peach-trees. No. 92,478; July 8; Gaz. vol. 192; p. 513.
- Stas-Motor-Gesellschaft m. b. H. Dusseldorf-Obercassel, Germany. Power-engines and parts thereof. No. 93,476; Sept. 16; Gaz. vol. 194; p. 741.
- Stauffer Chemical Co., San Francisco, Cal. Borax. No. 92,138; June 17; Gaz. vol. 191; p. 828.
- Stauffer, Eshleman & Co. Ltd., New Orleans, La. Bush-hooks, bits, braces, chisels, &c. No. 91,714; May 20; Gaz. vol. 190; p. 789.
- Stauffer, Eshleman & Co., Ltd., New Orleans, La. Certain named cutlery, machinery, and tools. No. 94,216; Nov. 11; Gaz. vol. 196; p. 523.
- Ste. Ame pour le Commerce & l'Industrie du Caoutchouc, Brussels, Belgium. Automobile horn-bulbs. No. 90,387; Feb. 18; Gaz. vol. 187; p. 826.
- Stebbins, Martha J., Churchville, N. Y. Medicinal powder to be used for certain named ailments. No. 89,962; Jan. 21; Gaz. vol. 186; p. 794.
- Stebbins, Martha J., Churchville, N. Y. Scalp-tonic. No. 91,715; May 20; Gaz. vol. 190; p. 789.
- Steel Improvement Company, The, Cleveland, Ohio. Compounds for the hardening of iron or steel. No. 94,688; Dec. 23; Gaz. vol. 197; p. 994.
- Steeleville Milling Co., Steeleville, Ill. Wheat-flour. No. 89,887; Jan. 14; Gaz. vol. 186; p. 554.
- Stein, Harry W., Wilkes-Barre, Pa. Photographs and postal-card photographs. No. 94,770; Dec. 30; Gaz. vol. 197; p. 1289.
- Steinwender-Stoffregen Coffee Co., St. Louis, Mo. Coffee. No. 93,567; Sept. 23; Gaz. vol. 194; p. 948.
- Stenger & Co., N., New London, Conn. Salve. No. 91,264; Apr. 22; Gaz. vol. 189; p. 1028.
- Stephano Brothers, Incorporated, Richmond, Va., and Philadelphia, Pa. Cigarettes. No. 92,283; June 24; Gaz. vol. 191; p. 1064.
- Stephens Mfg. Co., A. W., Waltham, Mass. Ice-picks. No. 94,689; Dec. 23; Gaz. vol. 197; p. 994.
- Steppacher & Bro., Walter M., Philadelphia, Pa. Shirts. No. 89,963; Jan. 21; Gaz. vol. 186; p. 794.
- Sterling Company, The, Derby, Conn. Player-pianos. No. 92,595; July 15; Gaz. vol. 192; p. 740.
- Sterling Laboratory, Los Angeles, Cal. Certain pharmaceutical preparations. No. 93,248; Aug. 26; Gaz. vol. 193; p. 1014.
- Sterling Machine & Stamping Co., The, Wellington, Ohio. Suction-sweepers. No. 92,374; July 1; Gaz. vol. 192; p. 213.
- Stern & Schasseur, Montreal, Quebec, Canada. Scissors, pocket-knives, and razors. No. 90,846; Mar. 25; Gaz. vol. 188; p. 1049.
- Sterne & Klein Co., Chicago, Ill. Ladies' waists. No. 90,141; Feb. 4; Gaz. vol. 187; p. 228.
- Stetson & Ellison Co., Camden, Del., and New York, N. Y. Canned vegetables. No. 92,139; June 17; Gaz. vol. 191; p. 828.
- Stevenot, Charles J., New York, N. Y. Glue. No. 93,304; Sept. 2; Gaz. vol. 194; p. 270.
- Stevenot, Charles J., New York, N. Y. Gelatin, ice-cream and cocoa powders, and flavoring extracts. No. 94,217; Nov. 11; Gaz. vol. 196; p. 523.
- Stevenot, Charles J., New York, N. Y. Cleanser compound and metal-polish. No. 94,502; Dec. 9; Gaz. vol. 197; p. 530.
- Stevens, Brainard W., San Francisco, Cal. Razor-hones. No. 92,284; June 24; Gaz. vol. 191; p. 1064.
- Stewart, Robert, Jr., Hartsville, S. C. Remedy for ingrowing nails. No. 91,716; May 20; Gaz. vol. 190; p. 789.
- Stieff, Chas. M., Baltimore, Md. Pianos. No. 89,964; Jan. 21; Gaz. vol. 186; p. 795.
- Stifel & Sons, J. L., Wheeling, W. Va. Cotton piece goods. No. 92,596; July 15; Gaz. vol. 192; p. 740.
- Stix, Baer & Fuller Dry Goods Company, St. Louis, Mo. Pianos and piano-players. No. 89,777; Jan. 7; Gaz. vol. 186; p. 286.
- Stollwerck Brothers, Inc., Stamford, Conn. Sweetened chocolate and candy. Nos. 89,888-9; Jan. 14; Gaz. vol. 186; p. 554.
- Stone & Andrew Inc., Boston, Mass. Paper. No. 93,130; Aug. 19; Gaz. vol. 193; p. 751.
- Stone Hill Wine Company, Hermann, Mo. Brandies and cordials. No. 90,847; Mar. 25; Gaz. vol. 188; p. 1049.
- Stone Hill Wine Company, Hermann, Mo. Whiskies. No. 93,131; Aug. 19; Gaz. vol. 193; p. 751.
- Stone-Ordean-Wells Company, Duluth, Minn. Toothpicks. No. 92,735; July 22; Gaz. vol. 192; p. 986.
- Stone-Ordean-Wells Company, Duluth, Minn. Tacks. No. 92,736; July 22; Gaz. vol. 192; p. 986.
- Stone-Ordean-Wells Company, Duluth, Minn. Wrapping-paper. No. 92,737; July 22; Gaz. vol. 192; p. 986.
- Stone-Ordean-Wells Company, Duluth, Minn. Toothpicks. No. 92,738; July 22; Gaz. vol. 192; p. 986.
- Stone-Ordean-Wells Company, Duluth, Minn. Wrapping-paper. No. 92,919; Aug. 5; Gaz. vol. 193; p. 216.
- Stone-Ordean-Wells Company, Duluth, Minn. Salt, starch, soda, and bluing. No. 93,045; Aug. 12; Gaz. vol. 193; p. 506.
- Stone-Ordean-Wells Company, Duluth, Minn. Washboards. No. 93,132; Aug. 19; Gaz. vol. 193; p. 751.
- Stone-Ordean-Wells Company, Duluth, Minn. Fruit-jar rings. No. 93,213; Aug. 26; Gaz. vol. 193; p. 1013.
- Stone-Ordean-Wells Company, Duluth, Minn. Tacks. No. 93,214; Aug. 26; Gaz. vol. 193; p. 1013.
- Stone-Ordean-Wells Company, Duluth, Minn. Glass lamp-chimneys. No. 93,215; Aug. 26; Gaz. vol. 193; p. 1013.
- Stone-Ordean-Wells Company, Duluth, Minn. Fruit-jar rings. No. 93,216; Aug. 26; Gaz. vol. 193; p. 1013.
- Stone-Ordean-Wells Company, Duluth, Minn. Monthly publication. No. 94,218; Nov. 11; Gaz. vol. 196; p. 523.
- Stone, Timlow & Company, Incorporated, Boston, Mass. Depilatories. No. 94,219; Nov. 11; Gaz. vol. 196; p. 523.
- Stone, Uno, Lake Norden, S. D. Solution disinfectant and antiseptic. No. 94,567; Dec. 16; Gaz. vol. 197; p. 778.
- Stoneypher Horse & Cattle Tonic Co., Westminster, S. C. Remedy and tonic for certain ailments of certain animals. No. 91,265; Apr. 22; Gaz. vol. 189; p. 1028.
- Stonewall Cotton Mills, Stonewall, Miss. Certain named cotton goods. No. 94,690; Dec. 23; Gaz. vol. 197; p. 994.
- Stork Company, The, Boston, Mass. Certain named foot-coverings manufactured of certain named materials. No. 90,254; Feb. 11; Gaz. vol. 187; p. 510.
- Stoves & Hardware Publishing Company, St. Louis, Mo. Weekly magazine. No. 91,814; May 27; Gaz. vol. 190; p. 1025.
- Straight Filament Lamp Company, New York, N. Y., and Philadelphia, Pa. Electric lamps. No. 90,063; Jan. 28; Gaz. vol. 186; p. 983.
- Straight Filament Lamp Company, New York, N. Y., and Philadelphia, Pa. Lamp-reflectors. No. 94,125; Nov. 4; Gaz. vol. 196; p. 271.
- Strathmore Worsted Mills, Boston, Mass. Worsted and woolen piece goods. No. 93,391; Sept. 9; Gaz. vol. 194; p. 547.
- Strauss Bros. & Company, New York, N. Y. Apparel-belts. No. 92,140; June 17; Gaz. vol. 191; p. 828.
- Strauss Manufacturing Company, Rutherford, N. J., and New York, N. Y. Vacuum-bottles. No. 90,064; Jan. 28; Gaz. vol. 186; p. 983.
- Strauss Manufacturing Company, Rutherford, N. J., and New York, N. Y. Figure toys. No. 92,739; July 22; Gaz. vol. 192; p. 986.
- Streett & Company, J. D., St. Louis, Mo. Babbitt metal. No. 93,935; Oct. 21; Gaz. vol. 195; p. 815.
- Strohmeyer & Arpe Company, New York, N. Y. Canned fish and vegetables, olives, and olive-oil. No. 90,065; Jan. 28; Gaz. vol. 186; p. 983.
- Strohmeyer & Arpe Company, New York, N. Y. Mineral wax. No. 90,390; Feb. 18; Gaz. vol. 187; p. 826.
- Strohmeyer & Arpe Company, New York, N. Y. Wax. No. 91,430; Apr. 29; Gaz. vol. 189; p. 1278.
- Strohmeyer & Arpe Company, New York, N. Y. Mineral wax. No. 94,503; Dec. 9; Gaz. vol. 197; p. 530.
- Stroud, Harrison E., Los Angeles, Cal. Ointment. No. 93,649; Oct. 7; Gaz. vol. 195; p. 271.
- Strouse-Baer Co., The, Baltimore, Md. Blouses. No. 91,815; May 27; Gaz. vol. 190; p. 1025.
- Stuart, J. & W., Esk Mills, Musselburgh, Scotland. Salmon-nets. No. 93,614; Sept. 30; Gaz. vol. 194; p. 1138.
- Stubblefield, George G., Waco, Tex. Wheat-flour. No. 91,523; May 6; Gaz. vol. 190; p. 261.
- Stubbs, Robert C., Dallas, Tex. Concrete constructions, paving, and walls. No. 94,126; Nov. 4; Gaz. vol. 196; p. 271.
- Studd & Millington, London, England. Certain named clothing. No. 92,920; Aug. 5; Gaz. vol. 193; p. 216.
- Studd & Millington, London, England. Woolen cloth in the piece. No. 93,775; Oct. 14; Gaz. vol. 195; p. 536.
- Studd & Millington, London, England. Coats, trousers, vests, hats, and caps. No. 93,936; Oct. 21; Gaz. vol. 195; p. 815.
- Stutz Candy Company, The, Paducah, Ky. Candy. No. 93,306; Sept. 2; Gaz. vol. 194; p. 270.
- Subers, Lawrence A., Cleveland, Ohio. Hose-pipes, automobile-tires, belting, &c. No. 94,220; Nov. 11; Gaz. vol. 196; p. 523.
- Suchard, S. A., Serrieres, Switzerland. Milk-chocolate. No. 94,221; Nov. 11; Gaz. vol. 196; p. 523.
- Summerour, Homer H., Duluth, Ga. Cotton-seed. No. 90,255; Feb. 11; Gaz. vol. 187; p. 510.
- Sunflower State Oil Company, The, Coffeyville, Kans. Certain named oils and greases. No. 91,916; June 3; Gaz. vol. 191; p. 289.
- Sunlight Hat Co., Marshalltown, Iowa. Hats and caps. No. 92,480; July 8; Gaz. vol. 192; p. 513.
- Sunny Point Packing Company, inc., Seattle, Wash. Canned salmon. No. 92,141; June 17; Gaz. vol. 191; p. 828.
- Sunset Paint Co., Los Angeles, Cal. Ready-mixed paints. No. 94,505; Dec. 9; Gaz. vol. 197; p. 530.

- Superior Brass & Fixture Co., Chicago, Ill. Display-stands. No. 90,662; Mar. 11; Gaz. vol. 188; p. 510.
- Surbrug Company, The, Hoboken, N. J. Smoking-tobacco. No. 93,616; Sept. 30; Gaz. vol. 194; p. 1138.
- Surbrug Company, Hoboken, N. J. Smoking-tobacco. No. 94,222; Nov. 11; Gaz. vol. 196; p. 523.
- Sutter, Balthasar, New York, N. Y. Fireproofing composition material. No. 92,010; June 10; Gaz. vol. 191; p. 583.
- Swan & Finch Company, New York, N. Y. Lubricating oils and greases. No. 94,691; Dec. 23; Gaz. vol. 197; p. 994.
- Swartz & Sons, M., Philadelphia, Pa. Men's suits and overcoats. No. 91,524; May 6; Gaz. vol. 190; p. 261.
- Swaty, Franz, Marburg, Austria-Hungary. Hones and grindstones. No. 93,217; Aug. 26; Gaz. vol. 193; p. 1013.
- Sweet Valley Wine Co., The, Sandusky, Ohio. Wines. No. 91,393; Apr. 29; Gaz. vol. 189; p. 1277.
- Sweet Valley Wine Co., Sandusky, Ohio. Wines. No. 91,816; May 27; Gaz. vol. 190; p. 1025.
- Sweet Valley Wine Co., The, Sandusky, Ohio. Wine. No. 94,771; Dec. 30; Gaz. vol. 197; p. 1289.
- Swink, Harry, G., Chicago, Ill. Remedy for sores and bruises on horses, mules, and cattle. No. 90,257; Feb. 11; Gaz. vol. 187; p. 510.
- Swiss American Knitting Mills, Grand Rapids, Mich. Knitted union underwear. No. 93,218; Aug. 26; Gaz. vol. 193; p. 1013.
- Sydney Ross Co., The, New York, N. Y. Cathartic pill. No. 91,799; May 27; Gaz. vol. 190; p. 1025.
- Sydney Ross Co., The, New York, N. Y. Medicinal tonic. No. 92,376; July 1; Gaz. vol. 192; p. 213.
- Sylph Company, Inc., The, New York, N. Y. Preparation for preventing obesity and reducing fat. No. 91,717; May 20; Gaz. vol. 190; p. 789.
- Sylvanus Smith & Co. Inc., Gloucester, Mass. Salted codfish. No. 90,757; Mar. 18; Gaz. vol. 188; p. 805.
- Symonett, Charles C., Live Oak, Fla. Cigars, cigarettes, and tobacco. No. 94,772; Dec. 30; Gaz. vol. 197; p. 1289.
- Syndicat des Grands Crus classés du Médoc, Bordeaux, France. Clarets and Bordeaux wines. No. 94,127; Nov. 4; Gaz. vol. 196; p. 271.
- Tabard Cigarette and Tobacco Company, Ltd., The, London, England, and New York, N. Y. Cigarettes. No. 93,219; Aug. 26; Gaz. vol. 193; p. 1013.
- Tabard Cigarette and Tobacco Company, The, Ltd., London, England, and New York, N. Y. Cigarettes. No. 93,499; Sept. 16; Gaz. vol. 194; p. 741.
- Taeschner, Anna, Berlin, Germany. Remedy for coughs and colds. No. 90,258; Feb. 11; Gaz. vol. 187; p. 510.
- Taeschner, Anna, Berlin, Germany. Remedy for gonorrhea. No. 94,692; Dec. 23; Gaz. vol. 197; p. 994.
- Taggart, Robert G., Washington, Pa. Paint for roofs. No. 93,478; Sept. 16; Gaz. vol. 194; p. 741.
- Tagograph Co., The, New York, N. Y. Printing-machines. No. 90,594; Mar. 4; Gaz. vol. 188; p. 240.
- Tailby-Nason Company, South Berwick, Me., and Boston, Mass. Digestive tablets. No. 93,046; Aug. 12; Gaz. vol. 193; p. 506.
- Taliaferro & Sherwood, New York, N. Y. Hosiery. No. 93,937; Oct. 21; Gaz. vol. 195; p. 815.
- Tallant-Grant Packing Co., Astoria, Oreg. Canned salmon. No. 89,890; Jan. 14; Gaz. vol. 186; p. 554.
- Tallant-Grant Packing Co., Astoria, Oreg. Canned salmon. No. 90,849; Mar. 25; Gaz. vol. 188; p. 1049.
- Tamaki, Tadajiro, Seattle, Wash. Catsups. No. 94,333; Nov. 25; Gaz. vol. 196; p. 1049.
- Tauber, Ryttenberg & Co., New York, N. Y. Night-shirts and pajamas. No. 93,307; Sept. 2; Gaz. vol. 194; p. 270.
- Taylor & Co., W. D., Bessemer, Ala. Laxative and liver-tonic, &c. No. 94,223; Nov. 11; Gaz. vol. 196; p. 523.
- Taylor Instrument Companies, Rochester, N. Y. Recording-barometers. No. 92,598; July 15; Gaz. vol. 192; p. 740.
- Taylor, Lowenstein & Co., Mobile, Ala. Turpentine. No. 94,224; Nov. 11; Gaz. vol. 196; p. 523.
- Taylor & McMillan, Ocilla, Ga. Remedies for pleurisy, asthma, indigestion, &c. No. 93,617; Sept. 30; Gaz. vol. 194; p. 1138.
- Taylor, Taylor & Hobson, Ltd., Leicester, England. Workmen's time-recorders. No. 92,143; June 17; Gaz. vol. 191; p. 828.
- Tcharic, Simleh & Co., Inc., New York, N. Y. Smokers' ash pots, receivers, and trays. No. 90,595; Mar. 4; Gaz. vol. 188; p. 240.
- Teague, Edward P., New York, N. Y. Antiseptic tablets. No. 91,043; Apr. 8; Gaz. vol. 189; p. 520.
- Teahen, James M., Detroit, Mich. Closet tanks and seats. No. 89,778; Jan. 7; Gaz. vol. 186; p. 286.
- Technical Supply Company, Scranton, Pa. Tracing-cloth. No. 92,144; June 17; Gaz. vol. 191; p. 828.
- Technical Supply Company, Scranton, Pa. Drawing-inks. No. 92,842; July 29; Gaz. vol. 192; p. 1257.
- Tedcastle & Co., A. W., Boston, Mass. Boots and shoes. No. 91,817; May 27; Gaz. vol. 190; p. 1025.
- Teichgraeber, Theodor, Berlin, Germany. Certain chemicals, medicines, and pharmaceutical preparations. No. 93,220; Aug. 26; Gaz. vol. 193; p. 1013.
- Temperite Company, The, Philadelphia, Pa. Razors and razor-blades. No. 91,718; May 20; Gaz. vol. 190; p. 789.
- Terre Haute Brewing Company, The, Terre Haute, Ind. Beer. No. 93,133; Aug. 19; Gaz. vol. 193; p. 751.
- Tertsagian, Armen L., Seattle, Wash. Dairy products. Nos. 93,568-9; Sept. 23; Gaz. vol. 194; p. 948.
- Tetlow, Ida J., Philadelphia, Pa. Powders for the complexion and toilet. Nos. 89,779-80; Jan. 7; Gaz. vol. 186; p. 286.
- Texas Company, The, Port Arthur, Tex., and New York, N. Y. Lubricating-oil. No. 90,596; Mar. 4; Gaz. vol. 188; p. 240.
- Texas Company, The, Houston and Port Arthur, Tex., and New York, N. Y. Kerosene. No. 92,145; June 17; Gaz. vol. 191; p. 828.
- Texas Company, The, Houston and Port Arthur, Tex., and New York, N. Y. Lubricating-oil. No. 92,146; June 17; Gaz. vol. 191; p. 828.
- Texas Consumers Co., Galveston, Tex. Certain named foods. No. 90,477; Feb. 25; Gaz. vol. 187; p. 1113.
- Texas Gum Company, Temple, Tex. Chewing-gum. No. 92,285; June 24; Gaz. vol. 191; p. 1064.
- Textile Publishing Company, New York, N. Y. Weekly periodical. No. 91,044; Apr. 8; Gaz. vol. 189; p. 520.
- Thacker, Christine, Seattle, Wash. Hair-tonic. No. 92,599; July 15; Gaz. vol. 192; p. 740.
- The Gideons, Chicago, Ill. Books and printed publications. No. 89,839; Jan. 14; Gaz. vol. 186; p. 552.
- "The H & W Company," Newark, N. J. Corset-waists. No. 94,632; Dec. 23; Gaz. vol. 197; p. 993.
- Theo. Keller Co., Houston, Tex. Cigars. No. 92,681; July 22; Gaz. vol. 192; p. 985.
- Theo. Ricksecker Co., The, New York, N. Y. Perfumes, toilet waters, sachets, tooth-powders, &c. No. 91,696; May 20; Gaz. vol. 190; p. 789.
- Theobald and Son Co., The, Columbus, Ohio. Wine. No. 94,773; Dec. 30; Gaz. vol. 197; p. 1289.
- Thoin, Thomas, West Springfield, Mass. Preparation to aid in washing. No. 90,259; Feb. 11; Gaz. vol. 187; p. 510.
- Thomas, Gurley G., Des Moines, Iowa. Medicinal preparation for skin affections. No. 90,143; Feb. 4; Gaz. vol. 187; p. 228.
- Thomas, Hulda, New York, N. Y. Face-cream. No. 93,570; Sept. 23; Gaz. vol. 194; p. 948.
- Thomas Moulding Company, Chicago, Ill. Bricks. No. 92,012; June 10; Gaz. vol. 191; p. 583.
- Thomas-Peter Company, The, Canton, Ohio. Embroidery-hoops. No. 93,308; Sept. 2; Gaz. vol. 194; p. 270.
- Thomas Wood Co., Boston, Mass. Coffee. No. 89,899; Jan. 14; Gaz. vol. 186; p. 554.
- Thompson Manufacturing Co., Freeport, Ill. Building material for mechanical toys. No. 91,394; Apr. 29; Gaz. vol. 189; p. 1277.
- Thompson, Worn S., Ensley, Ala. Liniment. No. 90,759; Mar. 18; Gaz. vol. 188; p. 805.
- Thomson, Bernard H., London, England. Toys. No. 91,267; Apr. 22; Gaz. vol. 189; p. 1028.
- Thomson & Burton Co., Chicago and Benton, Ill. Monthly periodical. No. 93,047; Aug. 12; Gaz. vol. 193; p. 506.
- Thomy Specialties Company, St. Louis, Mo. Certain named paints and painters' materials. No. 91,917; June 3; Gaz. vol. 191; p. 289.
- Thornley & Booth Limited, Hyde, England. Hat-bandeaux. No. 93,134; Aug. 19; Gaz. vol. 193; p. 751.
- Thos. Roulston, Incorporated, New York, N. Y. Laundry starch. No. 89,770; Jan. 7; Gaz. vol. 186; p. 286.
- Thread Tight Co., New York, N. Y. Paste for tightening pipe-joints. No. 93,393; Sept. 9; Gaz. vol. 194; p. 547.
- Tide Water Oil Company, New York, N. Y. Lubricating oil and grease. No. 93,309; Sept. 2; Gaz. vol. 194; p. 270.
- Tiedemann & Sons, Theo., New York, N. Y. Vellings and nettings. No. 93,776; Oct. 14; Gaz. vol. 195; p. 536.
- Tighe, John J., Dracut, Mass. Liniment for rheumatism. No. 94,334; Nov. 25; Gaz. vol. 196; p. 1049.
- Tipton, Malcolm R., Portland, Oreg. Liniment and remedies for certain named diseases. No. 90,597; Mar. 4; Gaz. vol. 188; p. 240.
- Tire Treatment Company, The, Detroit, Mich. Compound for sealing punctures in inflatable tires. No. 94,693; Dec. 23; Gaz. vol. 197; p. 994.
- Titanium Alloy Manufacturing Company, New York, N. Y. Alloys or compositions containing titanium or its compounds. No. 92,286; June 24; Gaz. vol. 191; p. 1065.
- To-Kalon Manufacturing Company, The, Syracuse, N. Y. Hair-tonic. No. 89,965; Jan. 21; Gaz. vol. 186; p. 795.
- To-Kalon Manufacturing Company, The, Syracuse, N. Y. Antacid for sour stomach. No. 90,598; Mar. 4; Gaz. vol. 188; p. 240.
- To-Kalon Manufacturing Company, Syracuse, N. Y. Antifermentative and neutralizing wafer. No. 90,760; Mar. 18; Gaz. vol. 188; p. 805.
- To-Kalon Manufacturing Company, The, Syracuse, N. Y., assignor to The International Druggists' and Chemists' Laboratories. Depilatory. No. 91,818; May 27; Gaz. vol. 190; p. 1025.

Alphabetical list of registrants of trade-marks—Continued.

- To-Kalon Manufacturing Company, The, Syracuse, N. Y., assignor to The International Druggists' and Chemists' Laboratories. Treatment of scalp disorders. No. 91,819; May 27; Gaz. vol. 190; p. 1025.
- To-Kalon Manufacturing Company, Syracuse, N. Y. Medicated cotton-batting. No. 93,777; Oct. 14; Gaz. vol. 195; p. 536.
- Todd & Company, G. W., Rochester, N. Y. Check-protectors. No. 92,147; June 17; Gaz. vol. 191; p. 828.
- Toledo Carriage Woodwork Co., Toledo, Ohio. Automobiles and wheels, running-gear, frames, and bodies therefor. No. 92,287; June 24; Gaz. vol. 191; p. 1065.
- Toledo Scale Company, Jersey City, N. J., and Toledo, Ohio. Computing-scales. No. 93,618; Sept. 30; Gaz. vol. 194; p. 1138.
- Tolson, Bert D., Havre de Grace, Md. Tonic and blood-purifier. No. 93,048; Aug. 12; Gaz. vol. 193; p. 506.
- Tomlinson (Inc.), Syracuse, N. Y. Gelatin. No. 94,225; Nov. 11; Gaz. vol. 196; p. 523.
- Tomlinson, William C., Butler, Ind. Hair- tonic. No. 90,599; Mar. 4; Gaz. vol. 188; p. 240.
- Tonk Manufacturing Company, Chicago, Ill. Benches, stools, cabinets, tables, and chairs. No. 94,128; Nov. 4; Gaz. vol. 196; p. 271.
- Tonner and Borland, Citra, Fla. Oranges. No. 93,135; Aug. 19; Gaz. vol. 193; p. 751.
- Torrens Petri Baking Co., New York, N. Y. Bread. No. 92,843; July 29; Gaz. vol. 192; p. 1257.
- Totten and Goodson, Detroit, Mich. Non-oxidizing and acid-resisting metals and compositions thereof. No. 90,144; Feb. 4; Gaz. vol. 187; p. 229.
- Totten, James B., Newark, N. J. Remedy for coughs. No. 93,049; Aug. 12; Gaz. vol. 193; p. 506.
- Touraine Co., The, New Hartford, Conn., and New York, N. Y. Malines, chiffons, and net goods. No. 94,129; Nov. 4; Gaz. vol. 196; p. 271.
- Tower Manufacturing & Novelty Co., New York, N. Y. Artists' paints and water-colors. No. 90,145; Feb. 4; Gaz. vol. 187; p. 229.
- Tower Manufacturing & Novelty Co., New York, N. Y. Certain named cutlery, machines, and tools. No. 90,146; Feb. 4; Gaz. vol. 187; p. 229.
- Tower Manufacturing & Novelty Co., New York, N. Y. Toothpicks, eye-shades, nail clips and files. No. 90,260; Feb. 11; Gaz. vol. 187; p. 510.
- Tower Manufacturing & Novelty Co., New York, N. Y. Safety-matches. No. 90,261; Feb. 11; Gaz. vol. 187; p. 510.
- Tower Manufacturing & Novelty Co., New York, N. Y. Paper tape, sealing-wax, gummed cloth patches, mullage, and glue. No. 90,392; Feb. 18; Gaz. vol. 187; p. 826.
- Tower Manufacturing & Novelty Co., New York, N. Y. Inks used for writing purposes. No. 90,393; Feb. 18; Gaz. vol. 187; p. 826.
- Tower Manufacturing & Novelty Co., New York, N. Y. Certain named furniture made of wood and made of steel. No. 90,478; Feb. 25; Gaz. vol. 187; p. 1113.
- Tower Manufacturing & Novelty Co., New York, N. Y. Certain named games and accessories therefor. No. 90,479; Feb. 25; Gaz. vol. 187; p. 1113.
- Tower Manufacturing & Novelty Co., New York, N. Y. Twine. No. 90,480; Feb. 25; Gaz. vol. 187; p. 1113.
- Tower Manufacturing & Novelty Co., New York, N. Y. Crockery pin cups and trays. No. 90,600; Mar. 4; Gaz. vol. 188; p. 240.
- Tower Manufacturing & Novelty Co., New York, N. Y. Certain inks and inking materials. No. 91,045; Apr. 8; Gaz. vol. 189; p. 520.
- Tower Manufacturing & Novelty Co., New York, N. Y. Certain named measuring and scientific appliances. No. 91,046; Apr. 8; Gaz. vol. 189; p. 520.
- Tower Manufacturing & Novelty Co., New York, N. Y. Safety-razors. No. 91,137; Apr. 15; Gaz. vol. 189; p. 777.
- Tower Manufacturing & Novelty Co., New York, N. Y. Pencil-pockets, school-bags, shawl-straps, &c. No. 91,138; Apr. 15; Gaz. vol. 189; p. 777.
- Tower Manufacturing & Novelty Co., New York, N. Y. Certain named paper and stationery articles. No. 91,268; Apr. 22; Gaz. vol. 189; p. 1028.
- Tower Manufacturing & Novelty Co., New York, N. Y. Certain paper and stationery articles. No. 91,269; Apr. 22; Gaz. vol. 189; p. 1028.
- Tower Manufacturing & Novelty Co., New York, N. Y. Scoring-pads, receipt, check, draft, &c., books. No. 91,270; Apr. 22; Gaz. vol. 189; p. 1028.
- Tower Manufacturing & Novelty Co., New York, N. Y. Brushes for water-color work. No. 91,396; Apr. 29; Gaz. vol. 189; p. 1278.
- Tower Manufacturing & Novelty Co., New York, N. Y. Certain named hardware supplies. No. 91,525; May 6; Gaz. vol. 190; p. 261.
- Tower Manufacturing & Novelty Co., New York, N. Y. Watches and clocks. No. 91,526; May 6; Gaz. vol. 190; p. 261.
- Tower Manufacturing & Novelty Co., New York, N. Y. Certain named receptacles. No. 91,618; May 13; Gaz. vol. 190; p. 545.
- Tower Manufacturing & Novelty Co., New York, N. Y. Type-writer oil. No. 91,619; May 13; Gaz. vol. 190; p. 545.
- Tower Manufacturing & Novelty Co., New York, N. Y. Rubber bands. No. 94,226; Nov. 11; Gaz. vol. 196; p. 523.
- Tower Manufacturing & Novelty Co., New York, N. Y. Writing tablets and paper, envelopes, and papeteries. No. 94,404; Dec. 2; Gaz. vol. 197; p. 236.
- Tower Manufacturing & Novelty Co., New York, N. Y. Envelopes. No. 94,535; Dec. 9; Gaz. vol. 197; p. 530.
- Towle Maple Products Company, The, Wilmington, Del., and St. Paul, Minn. Maple-syrup. No. 91,397; Apr. 29; Gaz. vol. 189; p. 1278.
- Townsend & Co., E. M., New York, N. Y. Hosiery and certain named knitted underwear. No. 92,288; June 24; Gaz. vol. 191; p. 1065.
- Townsend & Co., E. M., New York, N. Y. Hosiery and knitted underwear. No. 93,938; Oct. 21; Gaz. vol. 195; p. 815.
- Trainor, John B., Philadelphia, Pa. Candies. No. 90,481; Feb. 25; Gaz. vol. 187; p. 1113.
- Transfer Lumber & Shingle Co., The, North Tonawanda, N. Y. Lumber, flooring, siding, and shingles. No. 92,013; June 10; Gaz. vol. 191; p. 583.
- Transportation Utilities Company, New York, N. Y. Fabric belting. No. 92,289; June 24; Gaz. vol. 191; p. 1065.
- Traun Rubber Company, Hoboken, N. J., and New York, N. Y. Dental rubber. No. 92,741; July 22; Gaz. vol. 192; p. 986.
- Traut & Hine Manufacturing Company, The, New Britain, Conn. Safety-razors. Nos. 92,742-3; July 22; Gaz. vol. 192; p. 986.
- Traverse City Chair Company, Traverse City, Mich. Footstools, tables, and davenport. No. 92,921; Aug. 5; Gaz. vol. 193; p. 216.
- Traynham, Susie, New York, N. Y. Washing fluid. No. 90,601; Mar. 4; Gaz. vol. 188; p. 240.
- Treahy, Bartholomew T., Detroit, Mich. Chewing-tobacco. No. 94,568; Dec. 16; Gaz. vol. 197; p. 778.
- Tredegar Company, Richmond, Va. Horse and mule shoes. No. 93,394; Sept. 9; Gaz. vol. 194; p. 547.
- Tremont & Suffolk Mills, Lowell, Mass. Cotton piece goods. No. 92,744; July 22; Gaz. vol. 192; p. 987.
- Tremont & Suffolk Mills, Lowell, Mass. Cotton piece goods. No. 92,844; July 29; Gaz. vol. 192; p. 1257.
- Tremont & Suffolk Mills, Lowell, Mass. Cotton piece goods. No. 93,779; Oct. 14; Gaz. vol. 195; p. 536.
- Trib Company, Carson, Nev. Liniment. No. 94,694; Dec. 23; Gaz. vol. 197; p. 994.
- Trichel, Milton C., Shreveport, La. Laxative capsules. No. 92,377; July 1; Gaz. vol. 192; p. 213.
- Tricur Salve Co., Elizabethtown, Ind. Salve. No. 93,479; Sept. 16; Gaz. vol. 194; p. 741.
- Trimbleine Company, The, Seymour, Mo. Salve for inflammations or congestions. No. 94,695; Dec. 23; Gaz. vol. 197; p. 994.
- Triumph Cycle Company Limited, Coventry, England. Hoods and wind-screens for motor-cars. No. 91,047; Apr. 8; Gaz. vol. 189; p. 520.
- Troegerlith Tile Company, New York, N. Y. Polishing-oil for cleaning and brightening wooden surfaces. No. 93,780; Oct. 14; Gaz. vol. 195; p. 536.
- Tropico Co., The, New York, N. Y., assignor to General Dehydrator Company. Imitation coffee. No. 93,249; Aug. 26; Gaz. vol. 193; p. 1014.
- Trounce, Frank W., Buffalo, N. Y. Sights for firearms. No. 89,781; Jan. 7; Gaz. vol. 186; p. 286.
- Troy Chemical Co., Binghamton, N. Y. Roup cure for poultry. No. 94,795; Dec. 30; Gaz. vol. 197; p. 1289.
- Truax & Company, C. C., Toledo, Ohio. Apple-juice, cider, soda and mineral waters, &c. No. 94,130; Nov. 4; Gaz. vol. 196; p. 271.
- Truax & Company, C. C., Toledo, Ohio. Axle-grease, bicycle and machine oils. No. 94,227; Nov. 11; Gaz. vol. 196; p. 523.
- Truax & Company, C. C., Toledo, Ohio. Glue and mullage. No. 94,259; Nov. 18; Gaz. vol. 196; p. 801.
- Truax & Company, C. C., Toledo, Ohio. Butter, Manila, and toilet papers. No. 94,335; Nov. 25; Gaz. vol. 196; p. 1049.
- Truax & Company, C. C., Toledo, Ohio. Clothes-lines and twine. No. 94,405; Dec. 2; Gaz. vol. 197; p. 237.
- Truax & Company, C. C., Toledo, Ohio. Smokers' pipes. No. 94,406; Dec. 2; Gaz. vol. 197; p. 237.
- Truax & Company, C. C., Toledo, Ohio. Can-openers. No. 94,506; Dec. 9; Gaz. vol. 197; p. 530.
- Turkene Medical Company, The, Minneapolis, Minn. Remedy for rheumatism and colds. No. 93,136; Aug. 19; Gaz. vol. 193; p. 751.
- Turner, Margaret E., Chicago, Ill. Animal-traps. No. 91,272; Apr. 22; Gaz. vol. 189; p. 1028.
- Turpsene Manufacturing Company, Philadelphia, Pa. Compound oil for certain named purposes. No. 93,500; Sept. 16; Gaz. vol. 194; p. 741.
- Tuscarawas Chemical Company, Uhrichsville, Ohio. Remedy for live stock. No. 94,407; Dec. 2; Gaz. vol. 197; p. 237.
- Twin City Varnish Company, St. Paul, Minn. Varnishes and enamels. No. 91,048; Apr. 8; Gaz. vol. 189; p. 520.

- Twisted Wire and Steel Co., New York, N. Y. Metal paper-weights, ink-wells, paper-files, &c. No. 93,480; Sept. 16; Gaz. vol. 194; p. 741.
- Tyler, John L., Birmingham, Ala. Syrup for beverages. No. 94,034; Oct. 28; Gaz. vol. 195; p. 1047.
- Tyzack & Co., W. A., Sheffield, England. Certain named cutlery, machinery, and tools. No. 90,762; Mar. 18; Gaz. vol. 188; p. 805.
- U-Zit Specialties Company, Dover, Del., and Chicago, Ill. Disinfectants. No. 92,600; July 15; Gaz. vol. 192; p. 740.
- U. S. Expansion Bolt Co., New York, N. Y. Expansion, &c., bolts and screws. No. 90,147; Feb. 4; Gaz. vol. 187; p. 229.
- U. S. Industrial Alcohol Co., New York, N. Y. Carbon-remover, engine-cleanser, and solvent. No. 94,228; Nov. 11; Gaz. vol. 196; p. 523.
- U. S. Phonograph Co., The. (See United States Phonograph Co., assignor.)
- Ufford, Charles A., Boston, Mass. Dress-forms. No. 91,918; June 3; Gaz. vol. 191; p. 289.
- Uhry, Felix, Chicago, Ill. Certain named pharmaceutical preparations. No. 91,719; May 20; Gaz. vol. 190; p. 789.
- Ulmann & Co., Bernhard, New York, N. Y. Yarns. Nos. 93,781-2; Oct. 15; Gaz. vol. 195; p. 536.
- Ulrichsen, Christian, Baltimore, Md. Certain named goods. No. 93,050; Aug. 12; Gaz. vol. 193; p. 506.
- Uncle Sam's Macaroni Co., The, Tecumseh, Mich. Macaroni, spaghetti, and vermicelli. No. 92,846; July 29; Gaz. vol. 192; p. 1257.
- Underwood Typewriter Company, New York, N. Y. Stencil-paper. No. 92,149; June 17; Gaz. vol. 191; p. 828.
- Ungarische Gummiwarenfabriks Actiengesellschaft, Budapest, Austria-Hungary. Hollow and solid rubber tires. No. 94,774; Dec. 30; Gaz. vol. 197; p. 1289.
- Ungemach A. G. Els. Conserven-Fabrik & Import-Gesellschaft, Strassburg, Germany. Milk-food caramels. No. 92,290; June 24; Gaz. vol. 191; p. 1065.
- Ungemach A. G., Elsassische Conserven-Fabrik und Import-Gesellschaft, Strassburg, Germany. Milk food-caramels. No. 93,051; Aug. 12; Gaz. vol. 193; p. 506.
- Union Bag & Paper Company, The, New York, N. Y. Paper bags. Nos. 91,139-40; Apr. 15; Gaz. vol. 189; p. 777.
- Union Bag and Paper Company, The, Jersey City, N. J., and New York, N. Y. Paper bags. No. 94,336; Nov. 25; Gaz. vol. 196; p. 1049.
- Union Chemical Company, Providence, R. I. Insect and germ exterminators. No. 93,221; Aug. 26; Gaz. vol. 193; p. 1013.
- Union Condensed Milk Company, Chicago, Ill. Evaporated milk. No. 89,891; Jan. 14; Gaz. vol. 186; p. 554.
- Union Fishermens Co-operative Packing Co., Astoria, Oreg. Canned salmon. No. 90,771; Mar. 18; Gaz. vol. 188; p. 806.
- Union Gesellschaft für Metallindustrie mit beschränkter Haftung, Fröndenberg-on-the-Ruhr, Germany. Cycle chains, pedals, handle-bars, spokes, &c. No. 94,696; Dec. 23; Gaz. vol. 197; p. 994.
- Union Metallic Cartridge Company, The, Bridgeport, Conn., and New York, N. Y. Paper shot-shells. No. 94,697; Dec. 23; Gaz. vol. 197; p. 994.
- Union National Tailoring Co., New York, N. Y. Coats, vests, trousers, and overcoats. No. 89,892; Jan. 14; Gaz. vol. 186; p. 554.
- Union Oil Company, Providence, R. I. Cotton-seed oil. No. 91,919; June 3; Gaz. vol. 191; p. 289.
- Union Oil Company of California, Oleum, Cal. Lubricating oil or grease. No. 92,745; July 22; Gaz. vol. 192; p. 987.
- Union Ribbon & Carbon Co., Philadelphia, Pa. Carbon-papers and type-writer ribbons. No. 89,893; Jan. 14; Gaz. vol. 186; p. 554.
- Union Roller Milling Co., Pocahontas, Ill. Self-raising Graham pancake-flour. No. 94,698; Dec. 23; Gaz. vol. 197; p. 994.
- Union Wadding Company, Pawtucket, R. I. Cotton-waste. No. 92,014; June 10; Gaz. vol. 191; p. 583.
- United Alkali Company Limited, The, county of Lancaster and Liverpool, England. Caustic soda and soda-ash. No. 94,337; Nov. 25; Gaz. vol. 196; p. 1049.
- United Ancient Order of Druids, New Orleans, La., and Albany, N. Y. Printed books and pamphlets. No. 93,222; Aug. 26; Gaz. vol. 193; p. 1013.
- United Autographic Register Company, Chicago, Ill. Certain cutlery, machinery, tools, and parts thereof. No. 93,137; Aug. 19; Gaz. vol. 193; p. 751.
- United Bifocal Co., New York, N. Y. Lenses. No. 90,394; Feb. 18; Gaz. vol. 187; p. 826.
- United Brotherhood of Carpenters & Joiners of America, The, Indianapolis, Ind. Publications. No. 90,664; Mar. 11; Gaz. vol. 188; p. 570.
- United Drug Company. (See Deitsch Brothers, assignors.)
- United Drug Company. (See Vex-All Company, Inc., assignor.)
- United Drug Company, Boston, Mass. Mosquito-repelling preparation. No. 90,763; Mar. 18; Gaz. vol. 188; p. 805.
- United Drug Company, Boston, Mass. Shampoo-paste and a remedy for diseases of the scalp and hair. No. 93,250; Aug. 26; Gaz. vol. 193; p. 1014.
- United Flour Mills Co., Minneapolis, Minn. Wheat-flour. No. 91,049; Apr. 8; Gaz. vol. 189; p. 520.
- United Flour Mills Co., Minneapolis, Minn. Wheat-flour. No. 91,141; Apr. 15; Gaz. vol. 189; p. 777.
- United Flour Mills Co., Minneapolis, Minn. Wheat-flour. No. 92,481; July 8; Gaz. vol. 192; p. 514.
- United Grocery Co., Jacksonville, Fla. Remedy for certain named ailments. No. 93,396; Sept. 9; Gaz. vol. 194; p. 547.
- United Refrigerator & Ice Machine Co., Kenosha, Wis. Refrigerators and refrigerating machinery. No. 93,783; Oct. 14; Gaz. vol. 195; p. 536.
- United Roofing and Manufacturing Co., Philadelphia, Pa. Floor and wall coverings. No. 91,142; Apr. 15; Gaz. vol. 189; p. 777.
- United Roofing & Manufacturing Co., Philadelphia, Pa. Floor and wall coverings of waterproofed fibrous materials. No. 91,431; Apr. 29; Gaz. vol. 189; p. 1279.
- United Roofing and Manufacturing Co., Philadelphia, Pa. Floor and wall covering. No. 91,620; May 13; Gaz. vol. 190; p. 545.
- United Silk Waterproofing Company, New York, N. Y. Waterproof cloth. No. 92,482; July 8; Gaz. vol. 192; p. 514.
- United States Bunting Co., Lowell, Mass. Bunting. Nos. 92,483-4; July 8; Gaz. vol. 192; p. 514.
- United States Chicle Refining Company, Newark, N. J. Substitute for chicle. No. 93,939; Oct. 21; Gaz. vol. 195; p. 815.
- United States Fastener Company, Portland, Me. Snap-fasteners. No. 92,015; June 10; Gaz. vol. 191; p. 583.
- United States Graphite Company, The, Saginaw, Mich. Driving-chain graphite. Nos. 91,920-1; June 3; Gaz. vol. 191; p. 289.
- United States Graphite Company, Saginaw, Mich. Pulverized graphite. Nos. 92,291-303; June 24; Gaz. vol. 191; p. 1065.
- United States Lens Company, Geneva, N. Y. Lenses. No. 91,398; Apr. 29; Gaz. vol. 189; p. 1278.
- United States Phonograph Co., assignor to The U. S. Phonograph Co., Cleveland, Ohio. Talking-machines. No. 91,527; May 6; Gaz. vol. 190; p. 261.
- United States Playing Card Co., The, Cincinnati, Ohio. Playing-cards. No. 91,399; Apr. 29; Gaz. vol. 189; p. 1278.
- United States Specialty Company, New York, N. Y. Certain named hardware supplies. No. 91,528; May 6; Gaz. vol. 190; p. 261.
- United States Tile Company, The, Parkersburg and Lees Hill, near Parkersburg, W. Va. Shingle and roofing tiles. No. 90,483; Feb. 25; Gaz. vol. 187; p. 1113.
- United States Worsted Co., Boston, Mass., assignor to United States Worsted Company. Woolen piece goods. No. 90,934; Apr. 1; Gaz. vol. 189; p. 249.
- United Supply Company, New York, N. Y. Cleaning material for wood, metal, &c. No. 93,501; Sept. 16; Gaz. vol. 194; p. 741.
- Universal Lock-Washer Co., New York, N. Y. Lock-washers. No. 94,131; Nov. 4; Gaz. vol. 196; p. 271.
- Universal Shock Eliminator, Inc., New York, N. Y. Springs and shock-absorbers in connection with automobiles. No. 93,397; Sept. 9; Gaz. vol. 194; p. 547.
- Universal Textile Co., New York, N. Y. Thread and yarn boxes. No. 90,066; Jan. 28; Gaz. vol. 186; p. 983.
- Universal Ventilating Company, Kansas City, Mo. Window-ventilators. No. 90,482; Feb. 25; Gaz. vol. 187; p. 1113.
- Updegrave, Geo. B., Hot Springs, Ark. Liquid cleaning preparation. No. 90,935; Apr. 1; Gaz. vol. 189; p. 249.
- Upjohn Company, The, Kalamazoo, Mich. Pills. No. 91,720; May 20; Gaz. vol. 190; p. 789.
- Upjohn Company, The, Kalamazoo, Mich. Antiseptic preparations. No. 91,820; May 27; Gaz. vol. 190; p. 1025.
- Upjohn Company, The, Kalamazoo, Mich. Preparation for certain named affections and diseases. No. 92,378; July 1; Gaz. vol. 192; p. 213.
- Upmann, Carl, New York, N. Y. Little cigars. No. 91,621; May 13; Gaz. vol. 190; p. 545.
- Upson Company, The, Lockport, N. Y. Wall-board. No. 93,398; Sept. 9; Gaz. vol. 194; p. 547.
- Urfer, John, Lima, Ohio. Cigars. No. 90,764; Mar. 18; Gaz. vol. 188; p. 805.
- Usona Manufacturing Company, The, Aurora, Ill. Composition roofing, roofing, insulating, and building paper. No. 91,273; Apr. 22; Gaz. vol. 189; p. 1028.
- Utah Oil Refining Company, Salt Lake City, Utah. Lubricating-oils. No. 90,395; Feb. 18; Gaz. vol. 187; p. 826.
- Utah Oil Refining Company, Salt Lake City, Utah. Lubricating-oils. No. 91,400; Apr. 29; Gaz. vol. 189; p. 1278.
- Utah Oil Refining Company, Salt Lake City, Utah. Lubricating-oils. No. 92,847; July 29; Gaz. vol. 192; p. 1257.
- Utahna Development Company, Salt Lake City, Utah. Laundry-washing machines. No. 92,016; June 10; Gaz. vol. 191; p. 583.

Alphabetical list of registrants of trade-marks—Continued.

- Utilities Supply Company, Cincinnati, Ohio. Certain named metal household and cooking utensils. No. 90,936; Apr. 1; Gaz. vol. 189; p. 249.
- V Co., Wheeling, W. Va. Preparation for treatment of the skin. Nos. 90,602-3; Mar. 4; Gaz. vol. 188; p. 240.
- V Co., Wheeling, W. Va. Certain named pharmaceutical and toilet preparations. No. 90,859; Mar. 25; Gaz. vol. 188; p. 1049.
- V Co., Wheeling, W. Va. Certain named toilet preparations. No. 92,601; July 15; Gaz. vol. 192; p. 740.
- Vacumit-Gesellschaft m. b. H., Vienna, Austria-Hungary. Elastic wheel-tires. No. 94,132; Nov. 4; Gaz. vol. 196; p. 271.
- Vacuum Oil Company, Rochester, N. Y. Naphtha and refined oil. No. 91,274; Apr. 22; Gaz. vol. 189; p. 1028.
- Vacuum Oil Company, Rochester, N. Y. Branding-paint. No. 91,529; May 6; Gaz. vol. 190; p. 261.
- Valentine & Bentley Silk Co., The, Newton township, Sussex county, N. J., and New York, N. Y. Silk goods in the piece. No. 91,821; May 27; Gaz. vol. 190; p. 1025.
- Valier & Spies Milling Co., St. Louis, Mo. Wheat-flour. No. 90,484; Feb. 25; Gaz. vol. 187; p. 1113.
- Valier & Spies Milling Co., St. Louis, Mo. Wheat-flour. No. 90,665; Mar. 11; Gaz. vol. 188; p. 510.
- Valier & Spies Milling Co., St. Louis, Mo. Wheat-flour. No. 91,822; May 27; Gaz. vol. 190; p. 1025.
- Valier & Spies Milling Co., St. Louis, Mo. Wheat-flour. No. 92,848; July 29; Gaz. vol. 192; p. 1257.
- Valier & Spies Milling Co., St. Louis, Mo. Wheat-flour. No. 93,940; Oct. 21; Gaz. vol. 195; p. 815.
- Valk & Bro., S. J., New York, N. Y. Olives. No. 90,485; Feb. 25; Gaz. vol. 187; p. 1113.
- Valley City Milling Company, Grand Rapids, Mich. Graham flour. No. 92,485; July 8; Gaz. vol. 192; p. 514.
- Valley City Milling Company, Grand Rapids, Mich. Livestock feed. No. 93,571; Sept. 23; Gaz. vol. 194; p. 948.
- Valloft and Dreux Co. Ltd., New Orleans, La. Cigars. No. 91,275; Apr. 22; Gaz. vol. 189; p. 1028.
- Van Alstyne & Co., New York, N. Y. Flour. No. 89,894; Jan. 14; Gaz. vol. 186; p. 554.
- Van der Kaaij, Willem C., Utrecht, Netherlands. Filled wafers. No. 90,443; Feb. 25; Gaz. vol. 187; p. 1112.
- Van Doren Manufacturing Co., Chicago Heights, Ill. Certain named cutlery and tools. Nos. 90,937-8; Apr. 1; Gaz. vol. 189; p. 249.
- Van Kannel Revolving Door Company, New York, N. Y. Revolving doors. No. 94,133; Nov. 4; Gaz. vol. 196; p. 271.
- Van Nostrand, Frank D., New York, N. Y. Lubricating oils and greases. No. 91,721; May 20; Gaz. vol. 190; p. 790.
- Van Vleet-Mansfield Drug Co., Memphis, Tenn. Preparation for preventing diseases of the scalp. No. 90,262; Feb. 11; Gaz. vol. 187; p. 510.
- Van Vleet-Mansfield Drug Co., Memphis, Tenn. Hair-dye. No. 90,263; Feb. 11; Gaz. vol. 187; p. 510.
- Van Vleet-Mansfield Drug Co., Memphis, Tenn. Remedy for malaria. No. 90,264; Feb. 11; Gaz. vol. 187; p. 510.
- Vandervell, Charles A., Acton Vale, England. Certain named electrical apparatus and supplies. No. 90,850; Mar. 25; Gaz. vol. 188; p. 1049.
- Vane-Calvert Paint Co., St. Louis, Mo. White lead. No. 89,895; Jan. 14; Gaz. vol. 186; p. 554.
- Varn-O-Wax and Oil Company, The, Detroit, Mich. Polish for floors and furniture. No. 94,507; Dec. 9; Gaz. vol. 197; p. 530.
- Vaughan & Bushnell Manufacturing Company, Chicago, Ill. Certain named cutlery, machinery, tools, and parts thereof. No. 92,602; July 15; Gaz. vol. 192; p. 740.
- Vaughan & Bushnell Manufacturing Company, Chicago, Ill. Certain tools. No. 93,223; Aug. 26; Gaz. vol. 193; p. 1013.
- Vehicle Supply Company, Cairo, Ill. Doubletrees, swingle-trees, and neck-yokes. No. 90,265; Feb. 11; Gaz. vol. 187; p. 510.
- Venesta Limited, London, England. Compound sheets of wood. No. 93,052; Aug. 12; Gaz. vol. 193; p. 506.
- Venesta Limited, London, England. Barrels and boxes made of compound sheets of wood. No. 93,053; Aug. 12; Gaz. vol. 193; p. 506.
- Venezuela Trading Co., New York, N. Y. Rubber and gum. No. 94,775; Dec. 30; Gaz. vol. 197; p. 1289.
- Vereinigte Chemische Fabriken, Landau, Kreidl, Heller & Co., Vienna, Austria-Hungary. Coloring materials for painters' use. No. 93,784; Oct. 14; Gaz. vol. 195; p. 537.
- Vermont Hosiery and Machinery Company, Northfield and Bennington, Vt. Hosiery and knit underwear. No. 90,396; Feb. 18; Gaz. vol. 187; p. 826.
- Vernon Pharmacal Co., The, Brooklyn and New York, N. Y. General body-tonic. No. 91,432; Apr. 29; Gaz. vol. 189; p. 1279.
- Vex-All Company, Inc., New York, N. Y., assignor to United Drug Company. Insecticide. No. 92,746; July 22; Gaz. vol. 192; p. 987.
- Vibrako Company, The, Portland, Me., and Boston, Mass. Massage-vibrators. No. 94,260; Nov. 18; Gaz. vol. 196; p. 801.
- Victor Autmatograph Company, Davenport, Iowa. Certain named scientific appliances. No. 91,722; May 20; Gaz. vol. 190; p. 790.
- Victor Electric Company, Chicago, Ill. Certain electrical apparatus, machines, and supplies. No. 91,530; May 6; Gaz. vol. 190; p. 261.
- Victor Manufacturing Co., The, Leavenworth, Kans. Laundry washing-machines and wringers. No. 92,603; July 15; Gaz. vol. 192; p. 740.
- Victor Manufacturing Company, Greenville, S. C. Cotton piece goods. No. 91,433; Apr. 29; Gaz. vol. 189; p. 1279.
- Victor Sporting Goods Company, Springfield, Mass. Certain named accessories used in athletic games and sports. No. 93,941; Oct. 21; Gaz. vol. 195; p. 815.
- Victorlode Co., The, Passaic, N. J. Preserves, jams, and jellies. No. 89,896; Jan. 14; Gaz. vol. 186; p. 554.
- Vincenty Hnös., Mexico, Mexico. Medicine-tablets. No. 91,485; May 6; Gaz. vol. 190; p. 260.
- Virden Manufacturing Company, The, Cleveland, Ohio. Electric and gas lighting fixtures. No. 90,666; Mar. 11; Gaz. vol. 188; p. 510.
- Vitaphone Co., The, Plainfield, N. J. Graphophones, gramophones, and parts and records for same. No. 90,851; Mar. 25; Gaz. vol. 188; p. 1049.
- Vitro Manufacturing Company, The, Pittsburgh, Pa. Certain named paints and painters' materials. No. 92,487; July 8; Gaz. vol. 192; p. 514.
- Vitrolite Company, The, Parkersburg, W. Va. Tiles. No. 91,050; Apr. 8; Gaz. vol. 189; p. 520.
- Vittucci, John, Seattle, Wash. Olive-oil. No. 93,481; Sept. 16; Gaz. vol. 194; p. 741.
- Vlahov, Roberto, Zara, Austria-Hungary. Liqueur. No. 93,942; Oct. 21; Gaz. vol. 195; p. 815.
- Voegeli Bros. Drug Company, The, Minneapolis, Minn. Remedies for diseases of the urinary and urogenital organs. No. 89,966; Jan. 21; Gaz. vol. 186; p. 795.
- Voigt & Co., Chattanooga, Tenn. Alkaline antiseptic. No. 90,860; Mar. 25; Gaz. vol. 188; p. 1049.
- Voigt & Co., Chattanooga, Tenn. Medicinal tonic. No. 91,723; May 20; Gaz. vol. 190; p. 790.
- Voigt, William L., New York, N. Y. Oils for use in bleaching, cleaning, and dyeing. No. 90,266; Feb. 11; Gaz. vol. 187; p. 510.
- Volkszeitung Prtg. & Pub. Co., St. Paul, Minn. Semi-monthly publication. No. 90,267; Feb. 11; Gaz. vol. 187; p. 510.
- Voltter, Adolph, New York, N. Y. Wines. No. 93,054; Aug. 12; Gaz. vol. 193; p. 506.
- Vom Cleff & Co., New York, N. Y. Razors. No. 93,224; Aug. 26; Gaz. vol. 193; p. 1013.
- Voorhees, Harry B., Easton, Pa. Castor-oil confection. No. 93,482; Sept. 16; Gaz. vol. 194; p. 741.
- Voorhees Rubber Manufacturing Company, Jersey City, N. J. Certain named rubber automobile accessories. No. 91,277; Apr. 22; Gaz. vol. 189; p. 1028.
- Vordick, August H., St. Louis, Mo. Salve, liver-pills, and remedy for ague. No. 94,338; Nov. 25; Gaz. vol. 196; p. 1049.
- Vordick, August H., St. Louis, Mo. Remedy for certain named diseases. No. 94,508; Dec. 9; Gaz. vol. 197; p. 530.
- Vouplé Company, New York, N. Y. Foot-powder. No. 94,035; Oct. 28; Gaz. vol. 195; p. 1047.
- Vulcan Asbestos Manufacturing Co., New York, N. Y. Rod-packing. No. 92,017; June 10; Gaz. vol. 191; p. 583.
- Vulcanized Rubber Co., New York, N. Y. Rubber combs. No. 89,782; Jan. 7; Gaz. vol. 186; p. 286.
- Vulkan-Werke Gesellschaft für Brauerei-Bedarf m. b. H., Berlin, Germany. Filtering apparatus, refrigerating systems, &c. No. 94,408; Dec. 2; Gaz. vol. 197; p. 237.
- Vulko-Fiberene Co., Oklahoma, Okla. Liquid compound for special use. No. 93,399; Sept. 9; Gaz. vol. 194; p. 547.
- W. Eddy Plow Co., Greenwich, N. Y. Plows, markers, potato-coverers, and root-cutters. No. 92,049; June 17; Gaz. vol. 191; p. 825.
- W. Schneider Wholesale Wine & Liquor Co., St. Louis, Mo. Cigars. No. 94,118; Nov. 4; Gaz. vol. 196; p. 271.
- W. A. Tyzack & Co., Sheffield, England. Steel in certain forms. No. 90,761; Mar. 18; Gaz. vol. 188; p. 805.
- W. B. Manufacturing Co., The, Providence, R. I. Certain named articles of clothing. No. 89,863; Jan. 14; Gaz. vol. 186; p. 553.
- W. E. Derry, M. D. Inc., Dover, N. J. Laxatives. No. 94,548; Dec. 16; Gaz. vol. 197; p. 777.
- W. F. Frederick Piano Co. Inc., Uniontown and Pittsburgh, Pa.; Cleveland, Ohio, and Washington, D. C. Player-pianos. No. 90,980; Apr. 8; Gaz. vol. 189; p. 518.
- W. H. Chaplin & Company, Limited, London, England. Alcoholic bitters. No. 90,160; Feb. 11; Gaz. vol. 187; p. 507.
- W. H. Crawford Co., Baltimore, Md. Certain named foods. No. 91,648; May 20; Gaz. vol. 190; p. 787.
- W. H. Marvin Company, Urbana, Ohio. Mince-meat. No. 91,103; Apr. 15; Gaz. vol. 189; p. 776.
- W. J. Holliday & Company, Indianapolis, Ind. Horse and mule shoes. No. 89,751; Jan. 7; Gaz. vol. 186; p. 285.

- W. J. McCahan Sugar Refining Co., Philadelphia, Pa. Sugar. No. 92,703; July 22; Gaz. vol. 192; p. 985.
- W. J. McCahan Sugar Refining Co., The, Philadelphia, Pa. Sugar. No. 92,814; July 29; Gaz. vol. 192; p. 1256.
- W. J. White Chicle Co., Niagara Falls, N. Y. Chewing-gum. No. 93,575; Sept. 23; Gaz. vol. 194; p. 948.
- W. J. White Chicle Co., Niagara Falls, N. Y. Chewing-gum. No. 93,946; Oct. 21; Gaz. vol. 195; p. 815.
- W. J. Wilcox Lard and Refining Company, The, New York, N. Y. Lard. No. 92,069; June 17; Gaz. vol. 191; p. 826.
- W. J. Wilcox Lard & Refining Company, The, New York, N. Y. Lard. No. 94,342; Nov. 25; Gaz. vol. 196; p. 1049.
- W. N. Clark Company, Rochester, N. Y. Canned fruits, vegetables, and apple-butter. No. 90,169; Feb. 11; Gaz. vol. 187; p. 507.
- W. S. Rockwell Co., New York, N. Y. Furnaces. No. 91,901; June 3; Gaz. vol. 191; p. 289.
- W. S. Tyler Company, The, Cleveland, Ohio. Periodical. Nos. 92,922-3; Aug. 5; Gaz. vol. 193; p. 216.
- W. T. Hanson Co., Schenectady, N. Y. Corn-salve. No. 90,700; Mar. 18; Gaz. vol. 188; p. 804.
- Wabash Baking Powder Co., Wabash, Ind. Baking-powder. No. 92,605; July 15; Gaz. vol. 192; p. 740.
- Wadhams Oil Company, Milwaukee, Wis. Gasolene. No. 91,143; Apr. 15; Gaz. vol. 189; p. 777.
- Wadhams Oil Company, Milwaukee, Wis. Illuminating-oils. No. 94,134; Nov. 4; Gaz. vol. 196; p. 271.
- Wadsworth, Howland & Co., Inc., Boston, Mass. Paints, varnishes, and paint-oils. No. 93,311; Sept. 2; Gaz. vol. 194; p. 270.
- Wadsworth, Howland & Co., Incorporated, Boston, Mass. Paint, varnish, and calcimine brushes. No. 93,943; Oct. 21; Gaz. vol. 195; p. 815.
- Wadsworth and Jenkins, Cincinnati, Ohio. Candied popcorn confection. No. 93,310; Sept. 2; Gaz. vol. 194; p. 270.
- Wadsworth Watch Case Company, The, Dayton, Ky. Watchcases. No. 93,619; Sept. 30; Gaz. vol. 194; p. 1138.
- Wagner, Edward H., New York, N. Y. Fireworks. No. 93,572; Sept. 23; Gaz. vol. 194; p. 948.
- Wagner, Edward H., New York, N. Y. Fireworks. No. 94,036; Oct. 28; Gaz. vol. 195; p. 1047.
- Wagner, Frederic T., Chicago, Ill. Certain named articles of precious metal. No. 92,925; Aug. 5; Gaz. vol. 193; p. 217.
- Wagstaff, Charles B., Detroit, Mich. Blended coffee. No. 90,939; Apr. 1; Gaz. vol. 189; p. 249.
- Wahneta Silk Company, Catasauqua, Pa. Silk piece goods. No. 94,037; Oct. 28; Gaz. vol. 195; p. 1047.
- Waite, Fred D., Palmetto, Fla. Oranges and grape-fruit. No. 94,339; Nov. 25; Gaz. vol. 196; p. 1049.
- Waite, Frederick D., Palmetto, Fla. Oranges and grape-fruit. No. 93,312; Sept. 2; Gaz. vol. 194; p. 270.
- Waldes & Co., Prag-Wrschowitz, Austria-Hungary. Snap-buttons. Nos. 89,783-4; Jan. 7; Gaz. vol. 186; p. 286.
- Waldes & Co., Prague-Wrschowitz, Austria-Hungary. Snap-buttons. Nos. 90,486-90; Feb. 25; Gaz. vol. 187; p. 1113.
- Waldes & Co., Prague-Wrschowitz, Austria-Hungary. Snap-buttons. Nos. 90,604-5; Mar. 4; Gaz. vol. 188; p. 240.
- Waldes & Co., Prague-Wrschowitz, Austria-Hungary. Snap-buttons. Nos. 90,767-8; Mar. 18; Gaz. vol. 188; p. 806.
- Waldes & Co., Prague-Wrschowitz, Austria-Hungary. Snap-buttons. No. 90,852; Mar. 25; Gaz. vol. 188; p. 1049.
- Waldes & Co., Prague-Wrschowitz, Austria-Hungary. Snap-buttons. Nos. 91,724-5; May 20; Gaz. vol. 190; p. 790.
- Waldes & Co., Prague-Wrschowitz, Austria-Hungary. Snap-buttons. Nos. 91,823-6; May 27; Gaz. vol. 190; p. 1025.
- Waldes & Co., Prague-Wrschowitz, Austria-Hungary. Snap-buttons. No. 91,922; June 3; Gaz. vol. 191; p. 289.
- Waldes & Co., Prague-Wrschowitz, Austria-Hungary. Snap-buttons. Nos. 92,018-20; June 10; Gaz. vol. 191; p. 583.
- Waldes & Co., Prague-Wrschowitz, Austria-Hungary. Snap-buttons. Nos. 92,150-1; June 17; Gaz. vol. 191; p. 828.
- Waldes & Co., Prague-Wrschowitz, Austria-Hungary. Snap-buttons. No. 94,699; Dec. 23; Gaz. vol. 197; p. 994.
- Waldo, E. M. & F., New York, N. Y. Base for paints and enamels. No. 93,138; Aug. 19; Gaz. vol. 193; p. 751.
- Waldorf-Astoria Importation Company, New York, N. Y. Whisky and gin. No. 91,278; Apr. 22; Gaz. vol. 189; p. 1028.
- Waldorf-Astoria Importation Company, The, New York, N. Y. Olive-oil. No. 92,850; July 29; Gaz. vol. 192; p. 1257.
- Waldorf-Astoria Segar Company, Ltd., New York, N. Y. Cigars, cigarettes, and tobacco. No. 91,531; May 6; Gaz. vol. 190; p. 261.
- Walker Brothers, Orlando, Fla. Oranges and grape-fruit. No. 93,483; Sept. 16; Gaz. vol. 194; p. 741.
- Walker & Pratt Mfg. Co., Boston, Mass. Stoves, furnaces, and ranges. No. 92,747; July 22; Gaz. vol. 192; p. 987.
- Walker, Solon E., Dallas, Tex. Whisky. No. 92,748; July 22; Gaz. vol. 192; p. 987.
- Wallace Addressing Machine Company Inc., New York, N. Y. Stencil addressing-machines. No. 94,039; Oct. 28; Gaz. vol. 195; p. 1047.
- Wallace & Co., New York and Brooklyn, N. Y. Candles and chocolates. No. 89,897; Jan. 14; Gaz. vol. 186; p. 554.
- Wallace & Co., Brooklyn and New York, N. Y. Candles. No. 90,940; Apr. 1; Gaz. vol. 189; p. 249.
- Wallace & Co., New York and Brooklyn, N. Y. Candles and chocolates. No. 91,051; Apr. 8; Gaz. vol. 189; p. 520.
- Wallace & Co., Brooklyn and New York, N. Y. Candles. No. 94,038; Oct. 28; Gaz. vol. 195; p. 1047.
- Wallace, Francis C., Drummond, Md. Game. No. 93,400; Sept. 9; Gaz. vol. 194; p. 547.
- Waller, Joseph, London, England. Stencil printing and duplicating apparatus. No. 93,944; Oct. 21; Gaz. vol. 195; p. 815.
- Walsh, John W., Lynn, Mass. Remedy for piles. No. 93,573; Sept. 23; Gaz. vol. 194; p. 948.
- Walsh, Margaret A., El Paso, Tex. Floor-wax and floor-polishing material. No. 94,229; Nov. 11; Gaz. vol. 196; p. 523.
- Walter F. Ware Company, The, Camden, N. J., and Philadelphia, Pa. Chewing-gum and mint-tablets. No. 91,052; Apr. 8; Gaz. vol. 189; p. 520.
- Walter, Gertrude K., New York, N. Y. Cigarettes. No. 92,926; Aug. 5; Gaz. vol. 193; p. 217.
- Walter-Scott Chemical Company, San Jose, Cal. Ointment. No. 90,751; Mar. 18; Gaz. vol. 188; p. 805.
- Walters & Co., London, England. Cigars. No. 93,313; Sept. 2; Gaz. vol. 194; p. 270.
- Walton, Tiernan, Philadelphia, Pa. Toys. No. 94,776; Dec. 30; Gaz. vol. 197; p. 1289.
- Walworth Manufacturing Co., Boston, Mass. Metal gate-valves and couplings. No. 91,532; May 6; Gaz. vol. 190; p. 261.
- Wampine Medicine Company, Little Rock, Ark. Remedy for syphilis, rheumatism, eczema, &c. No. 94,040; Oct. 28; Gaz. vol. 195; p. 1047.
- Ward, Artemas, Detroit, Mich. Automobile runabouts and touring-cars. No. 91,827; May 27; Gaz. vol. 190; p. 1025.
- Ward Baking Company, New York, N. Y. Bread, rolls, biscuits, cakes, &c. No. 91,625; May 13; Gaz. vol. 190; p. 545.
- Ward Baking Company, New York, N. Y. Bread, rolls, biscuits, cakes, &c. No. 93,139; Aug. 19; Gaz. vol. 193; p. 751.
- Ward Equipment Company, New York, N. Y., (now, by change of name, Standard Heat and Ventilation Company, Inc.) Valves or steam-controlling devices for heating systems. No. 90,068; Jan. 28; Gaz. vol. 186; p. 933.
- Ward, Howard B., New Rochelle, N. Y. Bread. No. 91,533; May 6; Gaz. vol. 190; p. 261.
- Ward, Howard B., New York, N. Y. Bread. Nos. 92,851-2; July 29; Gaz. vol. 192; p. 1258.
- Ward, Howard B., New York, N. Y. Bread. No. 92,927; Aug. 5; Gaz. vol. 193; p. 217.
- Ward, James D., Limehurst, Grange-over-Sands, England. Account-books. No. 92,853; July 29; Gaz. vol. 192; p. 1258.
- Ward, Thomas, Fayetteville, N. C. Plow-castings. No. 90,606; Mar. 4; Gaz. vol. 188; p. 240.
- Ward-Young Mfg. Co., Buckhannon, W. Va. Cigars and stogies. No. 94,777; Dec. 30; Gaz. vol. 197; p. 1289.
- Warner, John T., Holdenville, Ala. Scalp-tonics. No. 91,726; May 20; Gaz. vol. 190; p. 790.
- Warner-Quinlan Asphalt Company, Syracuse, N. Y. Asphaltum. No. 93,055; Aug. 12; Gaz. vol. 193; p. 506.
- Warren Chemical & Manufacturing Company, New York, N. Y. Asphalt. No. 91,401; Apr. 29; Gaz. vol. 189; p. 1278.
- Warren Chemical & Manufacturing Company, New York, N. Y. Certain construction materials. No. 92,304; June 24; Gaz. vol. 191; p. 1065.
- Warren Chemical & Manufacturing Company, New York, N. Y. Certain named construction materials. Nos. 92,488-9; July 8; Gaz. vol. 192; p. 514.
- Warren Chemical & Manufacturing Company, New York, N. Y. Sheathing and roofing felt. No. 92,490; July 8; Gaz. vol. 192; p. 514.
- Warren Chemical & Manufacturing Company, New York, N. Y. Asphalt-mastic. No. 94,135; Nov. 4; Gaz. vol. 196; p. 271.
- Warren, Michael, San Francisco, Cal. Baking-powder. No. 94,230; Nov. 11; Gaz. vol. 196; p. 523.
- Warren, Northam, New York, N. Y. Certain chemical preparations. No. 92,021; June 10; Gaz. vol. 191; p. 583.
- Warren Packing Company, Portland, Ore. Canned salmon. No. 91,144; Apr. 15; Gaz. vol. 189; p. 777.
- Warren Packing Company, Portland, Ore. Canned salmon. No. 92,606; July 15; Gaz. vol. 192; p. 740.
- Warren Packing Company, Portland, Ore. Canned salmon. No. 94,136; Nov. 4; Gaz. vol. 196; p. 271.
- Warren W. Higgons Company, New York, N. Y. Jabots, neckties, and neckscarfs. No. 90,437; Feb. 25; Gaz. vol. 187; p. 1112.

Alphabetical list of registrants of trade-marks—Continued.

- Washington Metal Polish Co., The, Washington, D. C. Metal-polish. No. 91,923; June 3; Gaz. vol. 191; p. 289.
- Waterloo Milling Company, Waterloo, Ill. Wheat-flour. Nos. 90,268-9; Feb. 11; Gaz. vol. 187; p. 510.
- Waterman, James D., Oakland, Cal. Metal-polish. No. 90,491; Feb. 25; Gaz. vol. 187; p. 1113.
- Waters, Henry S., Carthage, Mo. Remedy for catarrh. No. 92,152; June 17; Gaz. vol. 191; p. 828.
- Wattles, Waldo M., Litchfield, Mich. Molasses to be used in food of horses and cattle. No. 91,624; May 13; Gaz. vol. 190; p. 545.
- Waseca Co-Operative Milling Co., The, Waseca, Minn. Breakfast food, rolled oats, and cornmeal. No. 90,941; Apr. 1; Gaz. vol. 189; p. 249.
- Wavenlock Co., The, Detroit, Mich. Hair-tonics. No. 91,279; Apr. 22; Gaz. vol. 189; p. 1029.
- Wavenlock Co., The, Detroit, Mich. Massage-cream. No. 91,434; Apr. 29; Gaz. vol. 189; p. 1279.
- Wayland Canning Co., The, Wayland, N. Y. Canned vegetables. No. 90,492; Feb. 25; Gaz. vol. 187; p. 1113.
- Wayne Paper Goods Company, Fort Wayne, Ind. Paper bags. No. 90,667; Mar. 11; Gaz. vol. 188; p. 510.
- Weber Costello Company, Chicago Heights, Ill. Blackboards. No. 90,069; Jan. 28; Gaz. vol. 186; p. 983.
- Wechsler, Harry, Brooklyn, N. Y. Foot-powder. No. 94,137; Nov. 4; Gaz. vol. 196; p. 271.
- Wedgeite Powder Company, Boston, Mass. Powder. No. 94,340; Nov. 25; Gaz. vol. 196; p. 1049.
- Weeber & Don, New York, N. Y. Seeds and bulbs. No. 94,778; Dec. 30; Gaz. vol. 197; p. 1289.
- Weidlich, Otto, Brunnödra, Germany. Accordions, concertinas, and mouth-harmonicas. No. 90,607; Mar. 4; Gaz. vol. 188; p. 240.
- Weihl, Jacob, New Bedford, Mass. Whisky, gin, and brandy. No. 92,491; July 8; Gaz. vol. 192; p. 514.
- Weil, Dr. R. & Dr. O., Frankfurt-on-the-Main, Germany. Remedies for certain named diseases. No. 92,854; July 29; Gaz. vol. 192; p. 1258.
- Well, Rudolph, New York, N. Y. Glue. No. 93,056; Aug. 12; Gaz. vol. 193; p. 506.
- Weingarten & Geberer, New York, N. Y. Hand-satchels. No. 89,785; Jan. 7; Gaz. vol. 186; p. 286.
- Weinstock-Nichols Co., San Francisco, Cal. Lubricating-oil. Nos. 94,700-1; Dec. 23; Gaz. vol. 197; p. 994-5.
- Weisberg, Benjamin, Philadelphia, Pa. Knitted neckwear. No. 92,750; July 22; Gaz. vol. 192; p. 987.
- Weisberg, Benjamin, Philadelphia, Pa. Cravats, neckties, and neckscarfs. No. 93,225; Aug. 26; Gaz. vol. 193; p. 1013.
- Weiss, Alexander, Berlin, Germany. Talking-machines. No. 89,967; Jan. 21; Gaz. vol. 186; p. 795.
- Weiss & Rauscher, Leighton, Pa. Medicated gin. No. 94,702; Dec. 23; Gaz. vol. 197; p. 995.
- Weissfeld Bros., New York, N. Y. Aprons, rubber aprons, slip-covers, and cooler-frocks. No. 91,626; May 13; Gaz. vol. 190; p. 545.
- Wellcome, Henry S., London, England. Medicinal substances. No. 90,861; Mar. 25; Gaz. vol. 188; p. 1049.
- Wellcome, Henry S., London, England. Ammonium valerianate, formates compound, &c. No. 91,053; Apr. 8; Gaz. vol. 189; p. 520.
- Wellcome, Henry S., London, England. Certain chemical and pharmaceutical preparations. No. 91,280; Apr. 22; Gaz. vol. 189; p. 1029.
- Wellcome, Henry S., London, England. Malt extract. No. 92,492; July 8; Gaz. vol. 192; p. 514.
- Wells-Abbott-Nieman Co., Schuyler, Nebr. Wheat-flour. No. 90,070; Jan. 28; Gaz. vol. 186; p. 984.
- Wells Brothers Company, Greenfield, Mass. Taps. No. 92,153; June 17; Gaz. vol. 191; p. 828.
- Wells, F. M., Montreal, Quebec, Canada. Tooth-powder. No. 94,138; Nov. 4; Gaz. vol. 196; p. 271.
- Wells & Richardson Company, Burlington, Vt. Dyes. No. 91,727; May 20; Gaz. vol. 190; p. 790.
- Wells & Richardson Company, Burlington, Vt. Tonic, alterative, and diuretic medicine. No. 91,728; May 20; Gaz. vol. 190; p. 790.
- Wells & Richardson Company, Burlington, Vt. Preparations for coloring butter. No. 91,729; May 20; Gaz. vol. 190; p. 790.
- Wells & Richardson Company, Burlington, Vt. Dyes. No. 92,493; July 8; Gaz. vol. 192; p. 514.
- Wells & Richardson Company, Burlington, Vt. Remedies for constipation, liver complaint, and biliousness. No. 93,510; Sept. 16; Gaz. vol. 194; p. 742.
- Wenner, Edward P., Williamsport, Pa. Washing and bleaching fluid and disinfectant. No. 91,828; May 27; Gaz. vol. 190; p. 1025.
- Werner, Joseph P., St. Louis, Mo. Remedy for diseases of the genital organs. No. 91,730; May 20; Gaz. vol. 190; p. 790.
- Werner & Pfeiderer Co., Saginaw, Mich. Bake-ovens. No. 93,786; Oct. 14; Gaz. vol. 195; p. 537.
- Werner & Werner Clothing & Furnishing Goods Co., St. Louis, Mo. Men's hats. No. 90,148; Feb. 4; Gaz. vol. 187; p. 229.
- Wernicke, Paul, Eilenburg, Germany. Artificial-stone presses and parts thereof. No. 94,231; Nov. 11; Gaz. vol. 196; p. 523.
- Wertheimer & Cie., E., Paris, France. Perfumes, face-paints, and rouges. No. 94,703; Dec. 23; Gaz. vol. 197; p. 995.
- West Construction Company, Chattanooga, Tenn. Certain construction materials. No. 93,401; Sept. 9; Gaz. vol. 194; p. 547.
- West Disinfecting Co., New York, N. Y. Sanitary commodes and sanitary box and vat closets. No. 94,704; Dec. 23; Gaz. vol. 197; p. 995.
- West India Oil Company, Bayonne, N. J. Naphtha, benzine, and gasolene. No. 89,898; Jan. 14; Gaz. vol. 186; p. 554.
- West India Oil Company, Bayonne, N. J. Refined oil. No. 90,493; Feb. 25; Gaz. vol. 187; p. 1113.
- West India Oil Company, Bayonne, N. J. Refined petroleum. No. 92,380; July 1; Gaz. vol. 192; p. 213.
- West Jersey Paper Manufacturing Company, Camden, N. J. Wrapping and bag paper. No. 90,270; Feb. 11; Gaz. vol. 187; p. 510.
- Westenfelter, Charles W., Springfield, Ohio. Dentifrices. No. 93,620; Sept. 30; Gaz. vol. 194; p. 1138.
- Western Cartridge Co., The, Alton, Ill. Powder. No. 91,281; Apr. 22; Gaz. vol. 189; p. 1029.
- Western Chemical Manufacturing Company, The, Denver, Colo. Hydrochloric, nitric, and sulfuric acid and aqua-ammonia. No. 89,968; Jan. 21; Gaz. vol. 186; p. 795.
- Western Clock Co., Peru, Ill. Clocks and watches. No. 91,054; Apr. 8; Gaz. vol. 189; p. 520.
- Western Clock Co., Peru, Ill. Clocks and watches. No. 91,282; Apr. 22; Gaz. vol. 189; p. 1029.
- Western Clock Co., Peru, Ill. Clocks and watches. Nos. 93,621-2; Sept. 30; Gaz. vol. 194; p. 1138.
- Western Clock Manufacturing Co., The, Peru, Ill. Clocks and watches. No. 90,071; Jan. 28; Gaz. vol. 186; p. 984.
- Western Dry Goods Co., Seattle, Wash. Hosiery. No. 93,945; Oct. 21; Gaz. vol. 195; p. 815.
- Western Grocer Company, Marshalltown, Iowa. Rolled oats. No. 90,072; Jan. 28; Gaz. vol. 186; p. 984.
- Western Grocer Company, Marshalltown, Iowa. Certain named foods. No. 92,855; July 29; Gaz. vol. 192; p. 1258.
- Western Implement & Motor Company, Davenport, Iowa. Traction-engines. No. 93,787; Oct. 14; Gaz. vol. 195; p. 537.
- Western Mineral Products Company, Chicago, Ill. Remedy for certain named ailments and diseases. No. 90,608; Mar. 4; Gaz. vol. 188; p. 240.
- Western Paris Green Works, Marshalltown, Iowa. Paris green. No. 90,271; Feb. 11; Gaz. vol. 187; p. 510.
- Western Sausage & Provision Co., Incorporated, New York, N. Y. Ham. No. 94,341; Nov. 25; Gaz. vol. 196; p. 1049.
- Western Silo Company, Des Moines, Iowa. Silos. No. 93,402; Sept. 9; Gaz. vol. 194; p. 547.
- Westmoreland Candy Company, Richmond, Va. Chocolates. No. 94,041; Oct. 28; Gaz. vol. 195; p. 1047.
- Wetterwald & Pfister Company, New York, N. Y. Certain named construction materials. No. 91,145; Apr. 15; Gaz. vol. 189; p. 777.
- Wetterwald & Pfister Company, New York, N. Y. Artificial stone. No. 94,139; Nov. 4; Gaz. vol. 196; p. 272.
- Wetzel Pipe Co., Brooklyn, N. Y. Smokers' pipes. No. 91,283; Apr. 22; Gaz. vol. 189; p. 1029.
- Weyermann, Mich., Bamberg, Germany. Malt. No. 90,272; Feb. 11; Gaz. vol. 187; p. 510.
- Whall, Edward G., Washington, D. C. Canned paint. No. 92,856; July 29; Gaz. vol. 192; p. 1258.
- Whartenby, Fred A., Oklahoma, Okla. Remedy for bowel trouble in baby-chicks. No. 92,607; July 15; Gaz. vol. 192; p. 740.
- Wheeling Corrugating Company, Wheeling, W. Va. Certain named construction materials. No. 92,305; June 24; Gaz. vol. 191; p. 1065.
- Wheeling Corrugating Company, Wheeling, W. Va. Certain named hardware and plumbing and steam-fitting supplies. No. 92,381; July 1; Gaz. vol. 192; p. 213.
- Wheelock, Lucy D., Weedsport, N. Y. Game of cards. No. 93,403; Sept. 9; Gaz. vol. 194; p. 547.
- Whitall Tatum Company, New York, N. Y. Pharmaceutical rubber goods. No. 93,315; Sept. 2; Gaz. vol. 194; p. 271.
- Whitall Tatum Company, Millville, N. J. Porous plasters. No. 93,574; Sept. 23; Gaz. vol. 194; p. 948.
- White Cross Anti-Liquor Society, Kansas City, Mo. Liquor remedy. No. 91,731; May 20; Gaz. vol. 190; p. 790.
- White, James T., New York, N. Y. Tooth-paste. No. 92,022; June 10; Gaz. vol. 191; p. 584.
- White-Stokes Co., Inc., Chicago, Ill. Icing, salad-dressing, fruits, &c. No. 92,608; July 15; Gaz. vol. 192; p. 740.
- White & Wyckoff Mfg. Co., Holyoke, Mass. Certain named paper and stationery. No. 91,403; Apr. 29; Gaz. vol. 189; p. 1278.
- Whitehead & Hoag Company, The, Newark, N. J. Certain advertising-signs. No. 90,273; Feb. 11; Gaz. vol. 187; p. 510.
- White's Sons, S. R., Norfolk, Va., assignor to S. R. White's Sons, Inc. Certain machinery, tools, and parts. No. 91,623; May 13; Gaz. vol. 190; p. 545.

Alphabetical list of registrants of trade-marks—Continued.

- Whitinsville Spinning Ring Company, Whitinsville, Mass. Spinning and twister rings. No. 90,149; Feb. 4; Gaz. vol. 187; p. 229.
- Whitman Agricultural Company, St. Louis, Mo. Certain named cutlery, machinery, tools, and parts thereof. No. 92,609; July 15; Gaz. vol. 192; p. 740.
- Whitman Agricultural Company, St. Louis, Mo. Certain named cutlery, machinery, and tools, and parts thereof. No. 92,751; July 22; Gaz. vol. 192; p. 987.
- Whitney, P. M., Cedar Vale, Kans. Antiseptic prescription used in treating leucorrhea, &c. No. 90,609; Mar. 4; Gaz. vol. 188; p. 240.
- Whittemore Brothers and Company, Cambridge, Mass. Leather-dressing. No. 90,274; Feb. 11; Gaz. vol. 187; p. 510.
- Whizz Manufacturing Co., Chicago, Ill. Hair-removers. No. 94,232; Nov. 11; Gaz. vol. 196; p. 523.
- Wiese, Engelbr., Seattle, Wash. Canned salmon. Nos. 90,073-7; Jan. 28; Gaz. vol. 186; p. 984.
- Wilcox Company, The, Incorporated, Providence, R. I. Cold-cream and tooth-paste. No. 91,435; Apr. 29; Gaz. vol. 189; p. 1279.
- Wilder & Company, Chicago, Ill. Leather. No. 90,275; Feb. 11; Gaz. vol. 187; p. 510.
- Wilder Manning Tanning Co., Chicago, Ill. Chrome-leather. No. 90,276; Feb. 11; Gaz. vol. 187; p. 510.
- Wile & Co., M., Buffalo, N. Y. Outer suits and overcoats. Nos. 91,924-5; June 3; Gaz. vol. 191; p. 290.
- Wile Sons & Co., Julius, New York, N. Y. Sherry-wine. No. 92,857; July 29; Gaz. vol. 192; p. 1258.
- Wilkie, D. & J., Boston, Mass. Remedy for rheumatism and lumbago. No. 91,284; Apr. 22; Gaz. vol. 189; p. 1029.
- Wilkins, Willis A., El Paso, Tex. Remedy for diseases of the skin. No. 92,610; July 15; Gaz. vol. 192; p. 740.
- Wilkinson, Gaddis & Company, Newark, N. J. Oleomargarin. No. 93,651; Oct. 7; Gaz. vol. 195; p. 271.
- Will & Baumer Company, The, Syracuse, N. Y. Candle-lamps. No. 92,928; Aug. 5; Gaz. vol. 193; p. 217.
- Willard, Theodore A., Cleveland, Ohio. Electric batteries. No. 91,404; Apr. 29; Gaz. vol. 189; p. 1278.
- William Atkins & Co. Ltd., Sheffield, England. Metals and metal castings and forgings. No. 93,413; Sept. 16; Gaz. vol. 194; p. 739.
- William Atkins & Co. Ltd., Sheffield, England. Certain named cutlery and tools. No. 93,414; Sept. 16; Gaz. vol. 194; p. 739.
- William Brown Company, Philadelphia, Pa. Hosiery. No. 89,910; Jan. 21; Gaz. vol. 186; p. 793.
- William Carter Company, The, Needham Heights, Mass. Knitted underwear, hosiery, and caps. No. 89,969; Jan. 21; Gaz. vol. 186; p. 795.
- William Carter Company, The, Needham Heights, Mass. Knitted underwear, hosiery, and caps. No. 90,091; Feb. 4; Gaz. vol. 187; p. 227.
- William Cooke & Co. Limd., Sheffield, England. Wire ropes. No. 93,340; Sept. 9; Gaz. vol. 194; p. 545.
- William Demuth & Company, New York, N. Y. Cigarette-paper. No. 93,703; Oct. 14; Gaz. vol. 195; p. 534.
- William Hollins & Company, Limited, London, England. Sheets, pillow-cases, rugs, &c. No. 93,355; Sept. 9; Gaz. vol. 194; p. 546.
- William Hollins & Company, Limited, London, England. Sheets, pillow-cases, rugs, blankets, &c. No. 93,723; Oct. 14; Gaz. vol. 195; p. 535.
- William Hollins & Company, Limited, London, England. Garments for women, men, and boys. Nos. 93,851-2; Oct. 21; Gaz. vol. 195; p. 812.
- William S. Scull Company, Camden, N. J. Teas and spices. No. 92,132; June 17; Gaz. vol. 191; p. 828.
- William S. Scull Company, Camden, N. J. Blended coffee. No. 93,247; Aug. 26; Gaz. vol. 193; p. 1014.
- William S. Scull Company, Camden, N. J. Blended coffee. No. 94,207; Nov. 11; Gaz. vol. 196; p. 523.
- William Underwood Company, Boston, Mass. Canned sardines. No. 92,148; June 17; Gaz. vol. 191; p. 828.
- Williams, Charles D., Cleveland, Ohio. Compound for cleaning paint, metal, and glass. No. 93,947; Oct. 21; Gaz. vol. 195; p. 815.
- Williams, Charles R., Baltimore, Md. Remedy for diseases of hogs. No. 93,140; Aug. 19; Gaz. vol. 193; p. 751.
- Williams, Frederic S., Little Rock and Texarkana, Ark. Fertilizers. No. 90,078; Jan. 28; Gaz. vol. 186; p. 984.
- Williamson, Samuel B., Westport, Conn. Corn and bunion shields. No. 90,610; Mar. 4; Gaz. vol. 188; p. 240.
- Willis Bros., Bradshaw, Nebr. Hog-cholera remedy. No. 92,753; July 22; Gaz. vol. 192; p. 987.
- Willis & Co., Grinnell, New York, N. Y. Cotton piece goods. No. 89,744; Jan. 7; Gaz. vol. 186; p. 285.
- Willis & Co., Grinnell, New York, N. Y. Cotton piece goods. No. 90,012; Jan. 28; Gaz. vol. 186; p. 982.
- Willis & Co., Grinnell, New York, N. Y. Cotton piece goods. No. 90,198; Feb. 11; Gaz. vol. 187; p. 508.
- Willis & Co., Grinnell, New York, N. Y. Cotton goods in the piece. No. 90,611; Mar. 4; Gaz. vol. 188; p. 240.
- Willis Electric Meter Company, The, Chicago, Ill. Electric meters. No. 93,057; Aug. 12; Gaz. vol. 193; p. 506.
- Wills-Arms Co., Brooklyn, N. Y. Laxative and liver corrective. No. 93,251; Aug. 26; Gaz. vol. 193; p. 1014.
- Wilson, George C., Tyrone, Pa. Perfumery. No. 94,706; Dec. 23; Gaz. vol. 197; p. 995.
- Wilson Mfg. Company, The, Mount Washington, Md. Certain named paints and painters' materials. No. 90,277; Feb. 11; Gaz. vol. 187; p. 510.
- Wilson, Raleigh C., Portland, Oreg. Remedy for certain named diseases and ailments. No. 93,948; Oct. 21; Gaz. vol. 195; p. 815.
- Wilson, Rose O., New York, N. Y. Dolls. No. 92,611; July 15; Gaz. vol. 192; p. 740.
- Wimpfheimer & Bro., New York, N. Y. Certain named knitted, netted, and textile fabrics. No. 91,732; May 20; Gaz. vol. 190; p. 790.
- Winans, Fenton J., Asheville, N. C. Germicidal compound. No. 91,536; May 6; Gaz. vol. 190; p. 262.
- Windsor, Millard F., Buffalo, N. Y. Soap powders. No. 94,141; Nov. 4; Gaz. vol. 196; p. 272.
- Wing Manufacturing Company, Chicago, Ill. Flat-irons. No. 90,278; Feb. 11; Gaz. vol. 187; p. 510.
- Winston, Harper, Fisher Company, Minneapolis, Minn. Certain named foods. No. 91,537; May 6; Gaz. vol. 190; p. 262.
- Winter Haven Citrus Growers Association, Winter Haven, Fla. Oranges, lemons, grape-fruit, tangerines, and limes. No. 91,147; Apr. 15; Gaz. vol. 189; p. 777.
- Wintersmith Chemical Co., Louisville, Ky. Extract of buchu, chill-tonics, mandrake pills, &c. No. 90,612; Mar. 4; Gaz. vol. 188; p. 240.
- Wirt Electric Specialty Company, Philadelphia, Pa. Insulating-joints and pipe-connectors, &c. No. 90,150; Feb. 4; Gaz. vol. 187; p. 229.
- Wisconsin Butter and Cheese Co., The, Waukesha, Wis. Cheese. No. 90,613; Mar. 4; Gaz. vol. 188; p. 240.
- Wisconsin Seating Co., The, New London, Wis. Refrigerators. No. 93,058; Aug. 12; Gaz. vol. 193; p. 506.
- Wise, Julius C., Kansas City, Mo. Anesthetic. No. 91,733; May 20; Gaz. vol. 190; p. 790.
- Wiseman, Agnes M., Des Moines, Iowa. Dry shampoo preparation. No. 93,789; Oct. 14; Gaz. vol. 195; p. 537.
- Witt, James P., Kansas City, Mo. Medicinal preparations. No. 93,949; Oct. 21; Gaz. vol. 195; p. 815.
- Wizard Mfg. Co., The, Indianapolis, Ind. Certain abrasive, detergent, and polishing materials. No. 93,226; Aug. 26; Gaz. vol. 193; p. 1013.
- Wm. Alten Co., Inc., New York, N. Y. Wheat-flour. No. 93,512; Sept. 23; Gaz. vol. 194; p. 947.
- Wm. B. Riker & Son Co., New York, N. Y. Deodorants, antiseptics, and prophylactics. No. 89,951; Jan. 21; Gaz. vol. 186; p. 794.
- Wm. C. Robinson & Son Co., Baltimore, Md., and Coraopolis, Pa. Lubricating-oil. No. 90,381; Feb. 18; Gaz. vol. 187; p. 826.
- Wm. C. Robinson & Son Co., Baltimore, Md. Cylinder-oil. No. 90,841; Mar. 25; Gaz. vol. 188; p. 1049.
- Wm. Enders Manufacturing Company, Walden, N. Y., and St. Louis, Mo. Certain cutlery, machinery, and tools, and parts thereof. No. 92,661; July 22; Gaz. vol. 192; p. 984.
- Wm. J. Ryan, Philadelphia, Pa. Certain named pharmaceutical preparations. No. 94,326; Nov. 25; Gaz. vol. 196; p. 1049.
- Wm. Pollock Milling & Elevator Co., Mexico, Mo. Wheat-flour. No. 92,360; July 1; Gaz. vol. 192; p. 212.
- Wm. R. Gratz Import Co., New York, N. Y. Certain named musical instruments and supplies. No. 92,891; Aug. 5; Gaz. vol. 193; p. 216.
- Wm. R. Moore Dry Goods Co., Memphis, Tenn. Overalls and shirts. No. 90,562; Mar. 4; Gaz. vol. 188; p. 239.
- Wohler, Gustave F. W., Sioux Falls, S. D. Beverage and nerve-tonic. No. 90,942; Apr. 1; Gaz. vol. 189; p. 249.
- Wolverine Mfg. Co., Detroit, Mich. Tables, chairs, desks, and cabinets. No. 91,538; May 6; Gaz. vol. 190; p. 262.
- Wonder Clothes Shop Co., New York, N. Y. Men's suits and overcoats. No. 93,950; Oct. 21; Gaz. vol. 195; p. 815.
- Wood, Dorothy D., Kansas City, Mo. Hair-tonic, face powder and cream, and nail-bleach. No. 92,025; June 10; Gaz. vol. 191; p. 584.
- Wood, George, Wawa, Pa. Milk, cream, butter, and cottage-cheese. No. 91,405; Apr. 29; Gaz. vol. 189; p. 1278.
- Woodrum, Robert H., Roanoke, Va. Apple juice. No. 90,080; Jan. 28; Gaz. vol. 186; p. 984.
- Woolaver, Andrew J., McAlester, Okla. Liniments. No. 90,769; Mar. 18; Gaz. vol. 188; p. 806.
- Woolcott Milling Company, Harrisburg, Ill. Wheat-flour. No. 92,382; July 1; Gaz. vol. 192; p. 213.
- Woolley & Co., A. Herbert, Nottingham, England. Machine-made cotton lace. No. 90,018; Jan. 28; Gaz. vol. 186; p. 982.
- Woolson Spice Co., The. (See Loudon & Son Incorporated, assignor.)
- Woolson Spice Co., The, Toledo, Ohio. Tea. No. 93,576; Sept. 23; Gaz. vol. 194; p. 948.
- Wooster Hardware Co., The, Wooster, Ohio. Certain named cutlery, machinery, and tools. No. 91,734; May 20; Gaz. vol. 190; p. 790.
- Worcester Baking Company, Worcester, Mass. Bread. No. 93,484; Sept. 16; Gaz. vol. 194; p. 741.

Alphabetical list of registrants of trade-marks—Continued.

- World's Star Knitting Company, Bay City, Mich. Certain named clothing. No. 93,059; Aug. 12; Gaz. vol. 193; p. 506.
- Worthington Ball Company, The, Elyria, Ohio. Golf-balls. No. 89,787; Jan. 7; Gaz. vol. 186; p. 286.
- Wray, Mamie E., St. Louis, Mo. Furniture cleaning and polishing compound. No. 93,404; Sept. 9; Gaz. vol. 194; p. 547.
- Wright Manufacturing Company, Newark, N. J. Igniters and accessories. No. 94,233; Nov. 11; Gaz. vol. 196; p. 523.
- Wuertt Tekton-Werke G. m. b. H., Stuttgart, Germany. Artificial wood. No. 92,929; Aug. 5; Gaz. vol. 193; p. 217.
- Wülfig, Johann A., Berlin, Germany. Remedy for certain named diseases. No. 93,652; Oct. 7; Gaz. vol. 195; p. 271.
- Wyatt, Frederick F., Parsons, Kans. Ointments and salves. No. 92,306; June 24; Gaz. vol. 191; p. 1065.
- Wyoming Asbestos Producing Co., Denver, Colo. Asbestos shingles, fireproof flooring and roofing. No. 92,494; July 8; Gaz. vol. 192; p. 514.
- XXth Century Heating & Ventilating Company, The, Akron, Ohio. Furnaces. No. 92,930; Aug. 5; Gaz. vol. 193; p. 217.
- Y. Pendas & Alvarez, New York, N. Y. Cigars. No. 90,239; Feb. 11; Gaz. vol. 187; p. 509.
- Y. Pendas & Alvarez, New York, N. Y. Cigars. No. 90,734; Mar. 18; Gaz. vol. 188; p. 805.
- Y. T. Matzoon Company, Chicago, Ill. Medicinal food. No. 94,190; Nov. 11; Gaz. vol. 196; p. 522.
- Yankee Wizard Clock Company, New York, N. Y. Clocks. No. 93,790; Oct. 14; Gaz. vol. 195; p. 537.
- Yarnall Paint Company, Philadelphia, Pa. Certain named painters' materials. No. 90,151; Feb. 4; Gaz. vol. 187; p. 229.
- Ye Lady's Outfitterie, New York, N. Y. Undergarments. No. 93,951; Oct. 21; Gaz. vol. 195; p. 815.
- Yenn, Joseph, Rock Island, Ill. Compound for flavoring tobacco. No. 94,343; Nov. 25; Gaz. vol. 196; p. 1049.
- Yeville Company, San Francisco, Cal. Disinfectant. No. 90,615; Mar. 4; Gaz. vol. 188; p. 240.
- Yoho, Jud, Seattle, Wash. Magazine. No. 92,307; June 24; Gaz. vol. 191; p. 1065.
- York, Chauncey F., Detroit, Mich. Digestive tablets. No. 90,614; Mar. 4; Gaz. vol. 188; p. 240.
- Yorke Shirt Co., Glens Falls and New York, N. Y. Certain named articles of men's clothing. No. 91,055; Apr. 8; Gaz. vol. 189; p. 520.
- Yorke Shirt Co., Glens Falls and New York, N. Y. Certain named goods in the piece. No. 91,056; Apr. 8; Gaz. vol. 189; p. 520.
- Yorke Shirt Co., Glens Falls and New York, N. Y. Neckties, neckscarfs, and jabots. No. 93,791; Oct. 14; Gaz. vol. 195; p. 537.
- Young & Co., Coatesville, Pa. Soap compound. No. 90,081; Jan. 28; Gaz. vol. 186; p. 984.
- Young, Frank, Knights Landing, Cal. Coffee and tea. No. 91,627; May 13; Gaz. vol. 190; p. 545.
- Young-Mahood Company, Pittsburgh, Pa. Blended coffee. No. 89,900; Jan. 14; Gaz. vol. 186; p. 554.
- Young-Mahood Company, Pittsburgh, Pa. Rice and blended coffee. No. 92,858; July 29; Gaz. vol. 192; p. 1258.
- Young & Swain Baking Co., San Francisco, Cal. Bread. No. 93,653; Oct. 7; Gaz. vol. 195; p. 271.
- Young, W. A., Toronto, Ontario, Canada. Monthly periodical. No. 94,142; Nov. 4; Gaz. vol. 196; p. 272.
- Young, Wilbur F., Springfield, Mass. Liniment. No. 89,786; Jan. 7; Gaz. vol. 186; p. 286.
- Youngstown Grocery Co., Youngstown, Ohio. Wines. No. 90,770; Mar. 18; Gaz. vol. 188; p. 806.
- Yum Company, Durham, N. C. Remedy for headache and neuralgia. No. 94,042; Oct. 28; Gaz. vol. 195; p. 1047.
- Yvette Co., New York, N. Y. Hair-tonics. No. 93,792; Oct. 14; Gaz. vol. 195; p. 537.
- Zan Bros. Inc., Portland, Oreg. Brooms. No. 92,859; July 29; Gaz. vol. 192; p. 1258.
- Zander, Leopold, Pittsfield, Mass. Certain named foods. No. 92,860; July 29; Gaz. vol. 192; p. 1258.
- Zar Hose Protector Company, St. Louis, Mo. Hose-protectors. No. 89,970; Jan. 21; Gaz. vol. 186; p. 795.
- Zauder Bros., New York, N. Y. Certain named chemical preparations. No. 91,539; May 6; Gaz. vol. 190; p. 262.
- Zee Socket & Mfg. Co., The, Chelsea, Mass. Electric sockets, flush and wall receptacles, and connectors. No. 90,399; Feb. 18; Gaz. vol. 187; p. 826.
- Zeiss, Carl, Jena, Germany. Certain named measuring and scientific appliances. Nos. 93,577-82; Sept. 23; Gaz. vol. 194; p. 949.
- Zeiss, Carl, Jena, Germany. Certain named optical goods. No. 93,623; Sept. 30; Gaz. vol. 194; p. 1138.
- Zeiss, Firm of Carl, Jena, Germany. Objective-lens systems. No. 94,409; Dec. 2; Gaz. vol. 197; p. 237.
- Zenite Metal Company, Indianapolis, Ind. Metal sheets and strips. No. 93,793; Oct. 14; Gaz. vol. 195; p. 537.
- Zilene Chemical Company, Pittsburgh, Pa. Headache-powders. No. 90,616; Mar. 4; Gaz. vol. 188; p. 240.
- Zilene Chemical Company, Pittsburgh, Pa. Dry-cleaning powder. No. 90,617; Mar. 4; Gaz. vol. 188; p. 240.
- Zilene Chemical Company, Pittsburgh, Pa. Headache-powders. No. 92,613; July 15; Gaz. vol. 192; p. 740.
- Zimmerman, Joseph H., New York, N. Y. Remedy for stomachic disorders. No. 91,637; May 20; Gaz. vol. 190; p. 787.
- Ziock & Sampliner, Cleveland, Ohio. Neckties and neckscarfs. No. 92,097; June 17; Gaz. vol. 191; p. 827.
- Zirnheld Flour Company, St. Louis, Mo. Wheat-flour. No. 93,252; Aug. 26; Gaz. vol. 193; p. 1014.
- Zittlosen Manufacturing Co., St. Louis, Mo. Merchandise-covers. No. 90,853; Mar. 25; Gaz. vol. 188; p. 1049.

ALPHABETICAL LIST OF REGISTRANTS OF LABELS.

- A. Harden Company, New York, N. Y. "The New White Heather Handkerchief." (For Handkerchiefs.) No. 17,383; Dec. 9; Gaz. vol. 197; p. 531.
- A. Mecky Company, Philadelphia, Pa. "Ledig Keystone Quality." (For Children's Vehicles.) No. 16,836; Feb. 18; Gaz. vol. 187; p. 827.
- A. Schreiber Brewing Company, Buffalo, N. Y. "Schreiber's Nilo Lager." (For Beer.) No. 16,925; Apr. 8; Gaz. vol. 189; p. 521.
- A. M. Ramer Co., Winona, Minn. "Vera Sweet Chocolates." (For Candies.) No. 17,433; Dec. 23; Gaz. vol. 197; p. 996.
- Ackerman Company, B. C., Athens, Tex. "Ackerman's Liver Aid." (For a Remedy for Liver Troubles.) No. 17,142; July 29; Gaz. vol. 192; p. 1259.
- Adams & Jewell, Rome, N. Y. "Betson's Plastic." (For Fire-Brick.) No. 17,312; Nov. 4; Gaz. vol. 196; p. 273.
- Adirondack Tissue Paper Co., New Hartford, N. Y. "Omar." (For Toilet-Paper.) No. 16,908; Apr. 8; Gaz. vol. 189; p. 521.
- Adirondack Tissue Paper Co., New Hartford, N. Y. "Banzai." (For Toilet-Paper.) No. 16,961; Apr. 29; Gaz. vol. 189; p. 1280.
- Adirondack Tissue Paper Co., New Hartford, N. Y. "Venetian Crepe." (For Toilet-Paper.) No. 16,962; Apr. 29; Gaz. vol. 189; p. 1280.
- Adirondack Tissue Paper Co., New Hartford, N. Y. "Wang." (For Toilet-Paper.) No. 16,963; Apr. 29; Gaz. vol. 189; p. 1280.
- Adirondack Tissue Paper Co., New Hartford, N. Y. "San Toy." (For Toilet-Paper.) No. 16,964; Apr. 29; Gaz. vol. 189; p. 1280.
- Adlerika Company, The, St. Paul, Minn. "Adler-I-Ka Treatment." (For a Medicine.) No. 17,143; July 29; Gaz. vol. 192; p. 1259.
- Aims, William D. P., Jr., Philadelphia, Pa. "Antiseptic Eau de Quinine." (For Antiseptic Eau de Quinin.) No. 17,196; Aug. 26; Gaz. vol. 193; p. 1015.
- Aims, William D. P., Jr., Philadelphia, Pa. "Antiseptic French Lilac Toilet Water." (For Toilet Water.) No. 17,255; Oct. 7; Gaz. vol. 195; p. 272.
- Affleck, Thaddeus S., New York, N. Y. "Sunshine Coffee." (For Coffee.) No. 17,368; Nov. 25; Gaz. vol. 196; p. 1050.
- Albrecht, Wilhelm, Boston, Mass. "American League." (For Whisky.) No. 17,313; Nov. 4; Gaz. vol. 196; p. 273.
- Allaire Woodward & Co., Peoria, Ill. "El Vampiro." (For an Insecticide.) No. 16,736; Jan. 21; Gaz. vol. 186; p. 796.
- Alling, Wilbur M., New York, N. Y. "Satisfaction Sox." (For Socks.) No. 17,376; Dec. 9; Gaz. vol. 197; p. 531.
- American Lithographic Company, New York, N. Y. "The Quality Cigar A Popular Favorite." (For Cigars.) No. 16,965; Apr. 29; Gaz. vol. 189; p. 1280.
- American Lithographic Company, New York, N. Y. "Cigars." (For Cigars.) No. 16,966; Apr. 29; Gaz. vol. 189; p. 1280.
- American Lithographic Company, New York, N. Y. "Smoke Cigars." (For Cigars.) Nos. 16,967-8; Apr. 29; Gaz. vol. 189; p. 1280.
- American Lithographic Company, New York, N. Y. "Tabacos Royales." (For Cigars.) No. 16,969; Apr. 29; Gaz. vol. 189; p. 1280.
- American Lithographic Company, New York, N. Y. "Fabrica De Tabacos Cigarros De Primeros." (For Cigars.) No. 16,994; May 13; Gaz. vol. 190; p. 546.
- American Lithographic Company, New York, N. Y. "Quality Cigars." (For Cigars.) No. 16,995; May 13; Gaz. vol. 190; p. 546.
- American Lithographic Company, New York, N. Y. "Superiores." (For Cigars.) No. 17,275; Oct. 21; Gaz. vol. 195; p. 816.
- American Lithographic Company, New York, N. Y. "Smoke Cigars." (For Cigars.) Nos. 17,276-8; Oct. 21; Gaz. vol. 195; p. 816.
- American Lithographic Company, New York, N. Y. "Esquisitos." (For Cigars.) No. 17,279; Oct. 21; Gaz. vol. 195; p. 816.
- American Mechanical Toy Company, The, Dayton, Ohio. "The American Model Builder." (For Mechanical Parts.) No. 17,058; June 17; Gaz. vol. 191; p. 829.
- American Radio-Thor-"X" Company, The, Chicago, Ill. "Radio Active Preparations." (For Capsules, Fabrics, Films, Ointments, Pads, Powders, Salts, Solids, Solutions, Tablets, and Waters.) No. 16,857; Mar. 11; Gaz. vol. 188; p. 511.
- American Radio-Thor-"X" Company, The, Chicago, Ill. "The Natural Marine Radium Plasma." (For Natural Marine Radium Plasma.) No. 16,858; Mar. 11; Gaz. vol. 188; p. 511.
- American Sugar Refining Company, The, Jersey City, N. J., and New York, N. Y. "Crystal Domino Syrup." (For Syrup.) No. 16,795; Feb. 11; Gaz. vol. 187; p. 511.
- American Sugar Refining Company, The, Jersey City, N. J., and New York, N. Y. "Crystal Domino Confectioners Sugar." (For Confectioners' Sugar.) No. 17,047; June 3; Gaz. vol. 191; p. 290.
- American Sugar Refining Company, The, Jersey City, N. J., and New York, N. Y. "Crystal Domino Powdered Sugar." (For Powdered Sugar.) No. 17,048; June 3; Gaz. vol. 191; p. 290.
- American Sugar Refining Company, The, Jersey City, N. J., and New York, N. Y. "Crystal Domino Molasses." (For Molasses.) No. 17,127; July 22; Gaz. vol. 192; p. 988.
- American Talc Company, Phoenix, Ariz., and Boston, Mass. "Talcum Powder." (For Powdered Talc.) No. 17,314; Nov. 4; Gaz. vol. 196; p. 273.
- Anderson, David W., Richmond, Va. "Albevanna Ponce de Leon Water." (For Water.) No. 16,909; Apr. 8; Gaz. vol. 189; p. 521.
- Andy Delmer Cigar Co., Burlington, Iowa. "Robert Watt." (For Cigars.) No. 17,381; Dec. 9; Gaz. vol. 197; p. 531.
- Angell, Frederick L., Norfolk, Va. "Eye-Rine Eye Remedy." (For Eye-Water.) No. 16,910; Apr. 8; Gaz. vol. 189; p. 521.
- Angell, Frederick L., Norfolk, Va. "Angell's Alligator Liniment." (For Liniment.) No. 16,970; Apr. 29; Gaz. vol. 189; p. 1280.
- Anti-Toxine Chemical Co., Chicago, Ill. "How to Apply Dr. Cunningham's Plasters." (For Medicinal Plasters.) No. 17,213; Sept. 16; Gaz. vol. 194; p. 743.
- Archer, Frank and L., El Paso, Tex. "Mary Jane Bread." (For Bread.) No. 16,829; Feb. 18; Gaz. vol. 187; p. 827.
- Archer, Lucile. (See Archer, Frank and L.)
- Armour and Company, Chicago, Ill. "Milady." (For Soap.) No. 17,128; July 22; Gaz. vol. 192; p. 988.
- Armour and Company, Chicago, Ill. "Atlantis Brand Salmon Pink." (For Salmon.) No. 17,315; Nov. 4; Gaz. vol. 196; p. 273.
- Armour and Company, Chicago, Ill. "Titan Brand Salmon Chum." (For Salmon.) No. 17,316; Nov. 4; Gaz. vol. 196; p. 273.
- Armour and Company, Chicago, Ill. "Armour's Salmon Alaska Red." (For Salmon.) No. 17,317; Nov. 4; Gaz. vol. 196; p. 273.
- Armour and Company, Chicago, Ill. "Medium Red Salmon." (For Salmon.) No. 17,318; Nov. 4; Gaz. vol. 196; p. 273.
- Armour & Company, Chicago, Ill. "Sterling Medium Red Salmon." (For Salmon.) No. 17,411; Dec. 23; Gaz. vol. 197; p. 996.
- Arms Mfg. Co., The, South Deerfield, Mass. "Tourist's Tablet." (For Writing-Tablets.) No. 17,377; Dec. 9; Gaz. vol. 197; p. 531.
- Armstrong Cork Company, Pittsburgh, Pa. "Armstrong Household Corks." (For Corks.) No. 16,830; Feb. 18; Gaz. vol. 187; p. 827.
- Arrowhead Hot Springs Company, Arrowhead Springs, Cal. "The Monarch Of All Waters." (For Water for Drinking Purposes.) No. 16,846; Feb. 25; Gaz. vol. 187; p. 1114.
- Arthur Chemical Co., The, New Haven, Conn. "Kewple Nursery Powder." (For Nursery-Powder.) No. 17,197; Aug. 26; Gaz. vol. 193; p. 1015.
- Baker, William I., Decatur, Ill. "Health Food Candy." (For Candies.) No. 16,911; Apr. 8; Gaz. vol. 189; p. 521.
- Baldwin Garment Company, Incorporated, Holyoke, Mass. "Patented Double-Service Garments." (For Garments.) No. 16,737; Jan. 21; Gaz. vol. 186; p. 796.
- Barber, Adelphus J., Utica, N. Y. "Capsiola." (For a Medicinal Preparation.) No. 17,171; Aug. 12; Gaz. vol. 193; p. 507.
- Barcal & Barta, Chicago, Ill. "Atlas Floor Oil." (For a Preparation Used on Hardwood Floors.) No. 17,378; Dec. 9; Gaz. vol. 197; p. 531.
- Barclay & Barclay, New York, N. Y. "Jabon Curativo de Barry." (For Soap.) No. 17,341; Nov. 18; Gaz. vol. 196; p. 802.
- Barnes, Henry, Brooklyn, N. Y. "Sliced Bacon." (For Bacon.) No. 17,281; Oct. 21; Gaz. vol. 195; p. 816.

Alphabetical list of registrants of labels—Continued.

- Bartolotta & Co., S., New Orleans, La. "Superior Macaroni Termini Imerese Type." (For Macaroni.) No. 17,184; Aug. 19; Gaz. vol. 193; p. 752.
- Basehore, H. E., York, Pa. "Pau-C." (For Pau-C Tablets.) No. 16,873; Mar. 25; Gaz. vol. 188; p. 1050.
- Bates, L. V., Waco, Tex. "Venogen." (For a Medicinal Preparation.) No. 17,242; Sept. 30; Gaz. vol. 194; p. 1139.
- Bayside Canning Co., Alviso, Cal. "Bohemian." (For Tomatoes with Purée.) No. 17,319; Nov. 4; Gaz. vol. 196; p. 273.
- Bearns, Jr., & Co., Joseph H., New York, N. Y. "American." (For Writing-Inks.) No. 16,738; Jan. 21; Gaz. vol. 186; p. 796.
- Beatsall Polish Company, Chicago, Ill. "The Beatsall Stove Polish." (For Stove-Polish.) No. 17,320; Nov. 4; Gaz. vol. 196; p. 273.
- Berger, Ernest, West Tampa, Fla. "Bergermaster Of Tampa." (For Cigars.) No. 16,859; Mar. 11; Gaz. vol. 188; p. 511.
- Berks Knitting Co., Inc., Reading, Pa. "Fifth Avenue Girl Hosiery." (For Women's Hosiery.) No. 17,342; Nov. 18; Gaz. vol. 196; p. 802.
- Bernheim Distg. Co., Louisville, Ky. "The Whiskey Your Grandfather Used." (For Whisky.) No. 17,412; Dec. 23; Gaz. vol. 197; p. 996.
- Bishop & Company, Los Angeles, Cal. "Calarab Candy Figs." (For Figs.) No. 16,939; Apr. 22; Gaz. vol. 189; p. 1030.
- Block, August, Mishawaka, Ind. "Sweet Milk Bread." (For Bread.) No. 16,874; Mar. 25; Gaz. vol. 188; p. 1050.
- Block & Son, S., Philadelphia, Pa. "Apollo Hosiery." (For Hosiery.) No. 17,282; Oct. 21; Gaz. vol. 195; p. 816.
- Borden's Condensed Milk Co., New York, N. Y. "Borden's Baby Brand." (For Condensed Milk.) No. 16,847; Feb. 25; Gaz. vol. 187; p. 1114.
- Borkheim, Louis, San Francisco, Cal. "Home Diamond." (For Base-Ball Games.) No. 17,274; Oct. 14; Gaz. vol. 195; p. 538.
- Borun & Bro., D. J., Milwaukee, Wis. "Lovita." (For Cigars.) No. 17,129; July 22; Gaz. vol. 192; p. 988.
- Bour Company, The, Toledo, Ohio. "Queen of Sheba." (For Coffee.) No. 16,875; Mar. 25; Gaz. vol. 188; p. 1050.
- Bourne, Clifford N., Syracuse, N. Y. "The Drink of the Universe, Registered Smooth, Snappy, Satisfying." (For a Drink.) No. 17,027; May 20; Gaz. vol. 190; p. 791.
- Brandstetter, Albert G., New York, N. Y. "Pan-Dandy." (For Bread.) No. 17,321; Nov. 4; Gaz. vol. 196; p. 273.
- Brewer, Clyde L., Trinidad, Colo. "Plastico Aceite Nacional." (For Medicinal Plasters.) No. 16,986; May 6; Gaz. vol. 190; p. 263.
- Brooke & Sons, C. M., Brooklyn, N. Y. "Brooke's Hotoh." (For a Beverage.) No. 16,940; Apr. 22; Gaz. vol. 189; p. 1030.
- Brookman Manufacturing Company, Chicago, Ill. "Bleach-It." (For Bleaching and Washing Powders.) No. 16,996; May 13; Gaz. vol. 190; p. 546.
- Broones, Joseph E., New York, N. Y. "Dr. Broones Foot Comfort." (For a Medicinal Preparation.) No. 16,876; Mar. 25; Gaz. vol. 188; p. 1050.
- Browning, Lehman S., Camden, N. J. "The Game of Trump-It." (For Games.) No. 17,049; June 3; Gaz. vol. 191; p. 290.
- Bulliard, Ed., St. Martinville, La. "Evangeline Tabasco Sauce." (For Tabasco Sauce.) No. 17,379; Dec. 9; Gaz. vol. 197; p. 531.
- Busy Little Bee Company, The, New York, N. Y. "Busy Little Bee Pills." (For Pills.) No. 17,223; Sept. 23; Gaz. vol. 194; p. 950.
- Butler Brothers, New York, N. Y.; Chicago, Ill.; St. Louis, Mo.; Minneapolis, Minn., and Dallas, Tex. "The Empire Tablet." (For Writing-Tablets.) No. 17,243; Sept. 30; Gaz. vol. 194; p. 1139.
- C. B. Henschel Mfg. Co., Milwaukee, Wis. "San Rey." (For Cigars.) No. 17,286; Oct. 21; Gaz. vol. 195; p. 816.
- C. B. Henschel Mfg. Co., Milwaukee, Wis. "Havana Token." (For Cigars.) No. 17,287; Oct. 21; Gaz. vol. 195; p. 816.
- C. B. Henschel Mfg. Co., Milwaukee, Wis. "Wimo." (For Cigars.) No. 17,288; Oct. 21; Gaz. vol. 195; p. 816.
- C. B. Henschel Mfg. Co., Milwaukee, Wis. "Havana Club." (For Cigars.) No. 17,289; Oct. 21; Gaz. vol. 195; p. 816.
- C. B. Henschel Mfg. Co., Milwaukee, Wis. "Pass-Time." (For Cigars.) No. 17,290; Oct. 21; Gaz. vol. 195; p. 816.
- C. B. Henschel Mfg. Co., Milwaukee, Wis. "Don Fernando." (For Cigars.) No. 17,291; Oct. 21; Gaz. vol. 195; p. 816.
- C. B. Henschel Mfg. Co., Milwaukee, Wis. "Romola." (For Cigars.) No. 17,292; Oct. 21; Gaz. vol. 195; p. 816.
- C. B. Henschel Mfg. Co., Milwaukee, Wis. "Rip." (For Cigars.) No. 17,384; Dec. 9; Gaz. vol. 197; p. 531.
- C. B. Henschel Mfg. Co., Milwaukee, Wis. "Consuela." (For Cigars.) No. 17,385; Dec. 9; Gaz. vol. 197; p. 531.
- C. F. Hickok Company, The, Sidney, Ohio. "Maple Chews." (For Candy.) No. 16,810; Feb. 11; Gaz. vol. 187; p. 511.
- Cabell Company, The, Baltimore, Md. "Do-Ne-Do." (For a Prepared Doughnut-Flour.) No. 17,343; Nov. 18; Gaz. vol. 196; p. 802.
- Cain & Sons, J. H., Jacksonville, Ill. "Cainson." (For Flour.) No. 16,781; Feb. 4; Gaz. vol. 187; p. 230.
- Calcutt, Reginald B., Chicago, Ill. "Quick Sale." (For a Polish and Cleanser.) No. 17,059; June 17; Gaz. vol. 191; p. 829.
- California Central Creameries, San Francisco, Cal. "Golden State Butter." (For Butter.) No. 17,344; Nov. 18; Gaz. vol. 196; p. 802.
- Caprini, Alexander L., Pittsburgh, Pa. "La Margarita." (For Green Olives.) No. 16,997; May 13; Gaz. vol. 190; p. 546.
- Carbolineum Wood Preserving Company, New York, N. Y. "Preserves Wood Everywhere Against Decay." (For Avenarius Carbolineum Wood Preservative.) No. 17,224; Sept. 23; Gaz. vol. 194; p. 950.
- Carpenter, Joseph W., St. Louis, Mo. "Dr. Carpenter's Corn and Bunion Remedy." (For a Remedy for Corns and Bunions.) No. 16,848; Feb. 25; Gaz. vol. 187; p. 1114.
- Carqué, Otto, Los Angeles, Cal. "Carqué's Nut-Cream Butter." (For Nut-Cream Butter.) No. 17,345; Nov. 18; Gaz. vol. 196; p. 802.
- Central California Canneries, San Francisco, Cal. "Hotchkiss' 'Glass Jar' Label Brand." (For Canned Corn.) No. 16,877; Mar. 25; Gaz. vol. 188; p. 1050.
- Central California Canneries, San Francisco, Cal. "Hotchkiss' 'Glass Jar' Label Brand." (For Tomato Sauce.) No. 16,878; Mar. 25; Gaz. vol. 188; p. 1050.
- Central California Canneries, San Francisco, Cal. "Hotchkiss' 'Glass Jar' Label Brand." (For Special Table-Squash.) No. 16,879; Mar. 25; Gaz. vol. 188; p. 1050.
- Central California Canneries, San Francisco, Cal. "Hotchkiss' 'Glass Jar.'" (For Grated Hawaiian Pineapple.) Nos. 17,185-6; Aug. 19; Gaz. vol. 193; p. 752.
- Central California Canneries, San Francisco, Cal. "Hotchkiss' 'Glass Jar.'" (For Bartlett Pears.) No. 17,187; Aug. 19; Gaz. vol. 193; p. 752.
- Central California Canneries, San Francisco, Cal. "Hotchkiss' 'Glass Jar.'" (For Loganberries.) No. 17,188; Aug. 19; Gaz. vol. 193; p. 752.
- Central California Canneries, San Francisco, Cal. "Hotchkiss' 'Glass Jar.'" (For Strawberries.) No. 17,189; Aug. 19; Gaz. vol. 193; p. 752.
- Central California Canneries, San Francisco, Cal. "Hotchkiss' 'Glass Jar.'" (For Hawaiian Pineapple.) No. 17,190; Aug. 19; Gaz. vol. 193; p. 752.
- Central California Canneries, San Francisco, Cal. "Hotchkiss' 'Glass Jar.'" (For Asparagus.) No. 17,191; Aug. 19; Gaz. vol. 193; p. 752.
- Central Cigar Box Co., St. Louis, Mo. "Natural Flavor." (For Cigars.) No. 17,300; Oct. 28; Gaz. vol. 195; p. 1048.
- Central Cigar Box Co., St. Louis, Mo. "Popular Issue." (For Cigars.) No. 17,301; Oct. 28; Gaz. vol. 195; p. 1048.
- Clark & Host Co., Milwaukee, Wis. "Morning Tonic." (For Coffee.) No. 17,204; Sept. 2; Gaz. vol. 194; p. 272.
- Chegnay, Arthur T., New York, N. Y. "Spot-Off." (For a Cleaning Fluid.) No. 16,782; Feb. 4; Gaz. vol. 187; p. 230.
- Chicago Railways Advertising Company, Chicago, Ill. "To-Day's Bread." (For Bread.) No. 16,928; Apr. 15; Gaz. vol. 189; p. 778.
- Church, William, Chicago, Ill. "Puncture Cure." (For Puncture-Curing Compound.) No. 16,998; May 13; Gaz. vol. 190; p. 546.
- Cohen & Son, Charles J., Philadelphia, Pa. "Zenith Bi-Plane Clasp Envelops." (For Envelops.) No. 16,783; Feb. 4; Gaz. vol. 187; p. 230.
- Collin Street Bakery, Corsicana, Tex. "De Luxe." (For Fruit-Cake.) No. 17,060; June 17; Gaz. vol. 191; p. 829.
- Columbia Brewing Co., Tacoma, Wash. "Alt Heidelberg Lager Beer." (For Beer.) No. 17,028; May 20; Gaz. vol. 190; p. 791.
- Columbian Rope Co., Auburn, N. Y. "Klean Klose." (For Clothes-Lines.) No. 17,200; Aug. 26; Gaz. vol. 193; p. 1015.
- Condit, Harry H., New York, N. Y. "Ko-Zy Union Suit." (For Ladies' Union Suits.) No. 17,346; Nov. 18; Gaz. vol. 196; p. 802.
- Congress Cigar Co., Chicago, Ill. "La Palina." (For Cigars.) No. 16,798; Feb. 11; Gaz. vol. 187; p. 511.
- Congress Cigar Co., Chicago, Ill. "Duke of Burgundy." (For Cigars.) No. 16,799; Feb. 11; Gaz. vol. 187; p. 511.
- Congress Cigar Co., Chicago, Ill. "Flor De Paley." (For Cigars.) No. 16,831; Feb. 18; Gaz. vol. 187; p. 827.

Alphabetical list of registrants of labels—Continued.

- Cook Pharmaceutical Company, Brooklyn, N. Y. "Cook's Lax-Uric." (For a Medicinal Preparation.) No. 16,800; Feb. 11; Gaz. vol. 187; p. 511.
- Cox Blodgett Dry Goods Company, The, Wichita, Kans. "Justrite Overalls." (For Overalls and Work-Clothes.) No. 17,256; Oct. 7; Gaz. vol. 195; p. 272.
- Crest Cigar Co., Inc., The, New York, N. Y. "Tailfer." (For Cigars.) No. 17,061; June 17; Gaz. vol. 191; p. 829.
- Crowley, Charles H., New York, N. Y. "Hair Pins." (For Hair-Pins.) No. 17,107; July 8; Gaz. vol. 192; p. 515.
- D. Leiden Ltd., Cologne, Germany. "Bismarck." (For Rhine Wine.) No. 16,816; Feb. 11; Gaz. vol. 187; p. 511.
- Dalingerfield, E., Lexington, Ky. "Major Daingerfield's Horse Liniment." (For Horse-Liniment.) No. 16,739; Jan. 21; Gaz. vol. 186; p. 796.
- Darby Candy Company, The, Baltimore, Md. "Cabaret Chocolates." (For Chocolates.) No. 16,784; Feb. 4; Gaz. vol. 187; p. 230.
- Darby Candy Company, The, Baltimore, Md. "Electro-play Base Ball Game." (For Chocolate.) No. 17,198; Aug. 26; Gaz. vol. 193; p. 1015.
- Davies, Augustus, Pasadena, Cal. "The Davies Dolls Baby Size." (For Dolls.) No. 16,849; Feb. 25; Gaz. vol. 187; p. 1114.
- Davies, J. M., Florin, Cal. "Golden State Brand Tokay." (For Grapes.) No. 17,038; May 27; Gaz. vol. 190; p. 1026.
- Davis Brothers Drug Co., The, Denver, Colo. "Da Ha Ma Blue Pennant." (For Writing-Tablets.) No. 17,380; Dec. 9; Gaz. vol. 197; p. 531.
- Deppen Brewing Co., The, Reading, Pa. "Queen Quality." (For Beer.) No. 17,062; June 17; Gaz. vol. 191; p. 829.
- Diamond Gelatine Company, New York, N. Y. "Diamond Perfection-ized Gelatine." (For Gelatin.) No. 16,880; Mar. 25; Gaz. vol. 188; p. 1050.
- Diamond Welding and Tempering Compound Co., Edwardsville, Pa. "Diamond." (For a Welding and Tempering Compound.) No. 16,801; Feb. 11; Gaz. vol. 187; p. 511.
- Distillers Direct Supply Store, Fort Wayne, Ind. "Anthony Club." (For Whisky.) No. 16,740; Jan. 21; Gaz. vol. 186; p. 796.
- Doern, William G., and Hugh C. Russell, Milwaukee, Wis. "Cream City Brand Coffee Compound." (For a Coffee Compound.) No. 17,199; Aug. 26; Gaz. vol. 193; p. 1015.
- Dowling, Hurbert A., St. Albans, Vt. "H. A. Dowling's Nu Buck." (For Cigars.) No. 17,322; Nov. 4; Gaz. vol. 196; p. 273.
- Doyle, Elizabeth T., San Francisco, Cal. "Poppy Brand." (For Ammonia.) No. 16,802; Feb. 11; Gaz. vol. 187; p. 511.
- Doyle, Elizabeth T., San Francisco, Cal. "Poppy Brand." (For Pickles.) No. 16,803; Feb. 11; Gaz. vol. 187; p. 511.
- Doyle, Elizabeth T., San Francisco, Cal. "Poppy Brand." (For Prepared Mustard.) No. 16,804; Feb. 11; Gaz. vol. 187; p. 511.
- Doyle, Elizabeth T., San Francisco, Cal. "Poppy Brand." (For Liquid Bluing.) No. 16,805; Feb. 11; Gaz. vol. 187; p. 511.
- Doyle, Elizabeth T., San Francisco, Cal. "Poppy Brand." (For Vinegar.) No. 16,806; Feb. 11; Gaz. vol. 187; p. 511.
- Doyle, Elizabeth T., San Francisco, Cal. "Poppy Brand." (For Tomato Catsup.) No. 16,807; Feb. 11; Gaz. vol. 187; p. 511.
- Dr. Lape Veterinary Co., Adrian, Mich. "Dr. Lape's Medicated Stock Salt." (For Stock-Salt.) No. 17,156; Aug. 5; Gaz. vol. 193; p. 218.
- Druggists' Co-operative Assn., Detroit, Mich. "Val dona Violet Talcum Powder." (For Talcum Powder.) No. 17,063; June 17; Gaz. vol. 191; p. 829.
- Druggists' Co-operative Assn., Detroit, Mich. "Val dona Talcum Powder." (For Talcum Powder.) No. 17,064; June 17; Gaz. vol. 191; p. 829.
- Druggists' Co-operative Association, Inc., Jersey City, N. J., and Detroit, Mich. "Val dona Honeysuckle Cream." (For Honeysuckle Cream.) No. 17,065; June 17; Gaz. vol. 191; p. 829.
- Druggists' Co-operative Association, Inc., Jersey City, N. J., and Detroit, Mich. "Val dona Honeysuckle Cream." (For Honeysuckle Cream.) Nos. 17,095-6; July 1; Gaz. vol. 192; p. 214.
- Druggists' Co-operative Association, Inc., Jersey City, N. J., and Detroit, Mich. "Val dona Liquid Complexion Powder." (For Liquid Complexion-Powder.) No. 17,097; July 1; Gaz. vol. 192; p. 214.
- Druggists' Co-operative Association, Inc., Jersey City, N. J., and Detroit, Mich. "Val dona Hair Tonic." (For a Hair-Tonic.) No. 17,245; Sept. 30; Gaz. vol. 194; p. 1139.
- Druggists' Co-operative Association, Inc., Jersey City, N. J., and Detroit, Mich. "Val dona Perfumes." (For Perfumes.) No. 17,246; Sept. 30; Gaz. vol. 194; p. 1139.
- Druggists' Co-operative Association, Inc., Jersey City, N. J., and Detroit, Mich. "Val dona Cream of Almonds." (For cream of Almonds.) No. 17,247; Sept. 30; Gaz. vol. 194; p. 1139.
- Dustbane Mfg. Co., Ipswich, Mass. "Dustbane." (For a Preparation Used in Sweeping.) No. 17,347; Nov. 18; Gaz. vol. 196; p. 802.
- E. Bean & Son Company, Jacksonville, Fla. "E. Bean & Son Co." (For Paper, Fruit and Vegetable Wrappers, Coated Nails, and Ladders.) No. 16,912; Apr. 8; Gaz. vol. 189; p. 521.
- Eagle Manufacturing Co., Inc., Baltimore, Md. "Eagle Cones." (For Cones.) No. 16,999; May 13; Gaz. vol. 190; p. 546.
- Earth Products Co., The, Baltimore, Md. "Spar Eg-Get Grit." (For Spar Grit.) No. 17,283; Oct. 21; Gaz. vol. 195; p. 816.
- Edgar Roberts Manufacturing Co., St. Louis, Mo. "Roberts' Thoroughbred Feverine-Tonic." (For a Remedy for Hog-Cholera.) No. 16,865; Mar. 11; Gaz. vol. 188; p. 511.
- Edgar & Son, W. H., Detroit, Mich. "Buckeye Feeding Molasses." (For Molasses.) No. 17,039; May 27; Gaz. vol. 190; p. 1026.
- Edison, Thomas A., West Orange, N. J. "Edison Record." (For Sound-Records.) No. 16,785; Feb. 4; Gaz. vol. 187; p. 230.
- Egerton, W. C., Brooklyn, N. Y. "Imperial." (For Macaroni.) No. 16,881; Mar. 25; Gaz. vol. 188; p. 1050.
- Ellanam Dress Form Co., Brooklyn and New York, N. Y. "L. & M." (For Dress-Forms.) No. 17,098; July 1; Gaz. vol. 192; p. 214.
- Ellis, Leon C., Lynn, Mass. "Crow Corn Corer." (For a Corn Remedy.) No. 17,029; May 20; Gaz. vol. 190; p. 791.
- Emmerling Brewing Company, Johnstown, Pa. "Grossvader." (For Beer.) No. 17,130; July 22; Gaz. vol. 192; p. 988.
- Englander Spring Bed Company, New York, N. Y. "Kane-Kove Kable-Edge." (For Bed-Springs and Spring-Mattresses.) No. 16,913; Apr. 8; Gaz. vol. 189; p. 521.
- Estate Henry C. Miner Inc., New York, N. Y. "Natural Blush." (For Rouge.) No. 17,133; July 22; Gaz. vol. 192; p. 988.
- Estate of Henry Miner, Incorporated, New York, N. Y. "Natural Blush." (For Rouge.) No. 16,837; Feb. 18; Gaz. vol. 187; p. 827.
- Ettenson, Benjamin, Leavenworth, Kans. "Nu White." (For a Preparation for Cleaning Shoes.) No. 17,244; Sept. 30; Gaz. vol. 194; p. 1139.
- Eureka Chemical Company, Cincinnati, Ohio. "Hydrosal." (For a Germicide.) No. 16,808; Feb. 11; Gaz. vol. 187; p. 511.
- Everett, Aughenbaugh & Co., Waseca, Minn. "E-A-Co." (For Flour.) No. 17,348; Nov. 18; Gaz. vol. 196; p. 802.
- F. C. Henderson Company, Boston, Mass. "Royal Blue Certified." (For Talking-Machine Needles.) No. 17,260; Oct. 7; Gaz. vol. 195; p. 272.
- F. D. Farmer Co., Omaha, Nebr. "Real." (For Cigars.) No. 16,888; Mar. 25; Gaz. vol. 188; p. 1050.
- F. D. Farmer Company, Omaha, Nebr. "Gold Bond." (For Japan Tea.) No. 17,398; Dec. 9; Gaz. vol. 197; p. 531.
- F. D. Farmer Company, Omaha, Nebr. "Gold Bond." (For Coffee.) No. 17,399; Dec. 9; Gaz. vol. 197; p. 531.
- Fernandez, Rodrigo, Chicago, Ill. "Flor De Lopez Garcia." (For Cigars.) No. 17,349; Nov. 18; Gaz. vol. 196; p. 802.
- Flint, M. E. and W. A., Montclair, N. J. "Fresh from the Farm." (For Eggs.) No. 17,323; Nov. 4; Gaz. vol. 196; p. 273.
- Florence Mfg. Co., Northampton, Mass. "Pro-phy-lac-tic Tooth Brush." (For Tooth-Brushes.) No. 17,324; Nov. 4; Gaz. vol. 196; p. 273.
- Florencio Vega & Co., Chicago, Ill. "Olympiad." (For Cigars.) No. 16,934; Apr. 15; Gaz. vol. 189; p. 778.
- Fox Bros. Cigar Company, The, Napoleon, Ohio. "Tim Ansberry." (For Cigars.) No. 17,100; July 1; Gaz. vol. 192; p. 214.
- Frank F. Austin Company, Chicago, Ill. "Cubist's Solitaire." (For Games.) No. 17,170; Aug. 12; Gaz. vol. 193; p. 507.
- Frates Chemical Co., Chicago, Ill. "Spear-Asept" Spear-mint Tooth-Paste." (For Tooth-Paste.) No. 17,050; June 3; Gaz. vol. 191; p. 290.
- Fritze, Lundt & Co., Succs., Mayaguez, Porto Rico. "Pride of Porto Rico, The Coffee with the Coffee Taste." (For Coffee.) No. 16,941; Apr. 22; Gaz. vol. 189; p. 1030.
- Frost, William E., Augusta, Ga. "Seven-Eleven." (For a Remedy for Chills and Fever.) No. 17,066; June 17; Gaz. vol. 191; p. 829.
- G. Mennen Chemical Company, Newark, N. J. "Mennen's Shaving Cream." (For Shaving-Cream.) No. 17,252; Sept. 30; Gaz. vol. 194; p. 1139.
- G. Washington Coffee Refining Co., New York, N. Y. "G Washington's Prepared Coffee." (For Coffee.) No. 16,853; Feb. 25; Gaz. vol. 187; p. 1114.

Alphabetical list of registrants of labels—Continued.

- G. Washington Coffee Refining Co., New York, N. Y. "G Washington's Prepared Tea—Made In The Cup." (For Tea.) No. 16,936; Apr. 15; Gaz. vol. 189; p. 778.
- Gardner Wire Company, Chicago, Ill. "Quick Sale." (For Mops.) No. 16,741; Jan. 21; Gaz. vol. 186; p. 796.
- Gardy, H. D., Philadelphia, Pa. "Sapsago Cheese Salt." (For Pulverized Sapsago-Cheese.) No. 17,067; June 17; Gaz. vol. 191; p. 829.
- Gebhardt, Harry, St. Louis, Mo. "Green Label Harry G. Kentucky Bourbon." (For Whisky.) No. 17,419; Dec. 23; Gaz. vol. 197; p. 996.
- Geister, Henry W., Springfield, Mo. "Geister's Club House." (For Cigars.) No. 17,420; Dec. 23; Gaz. vol. 197; p. 996.
- Geo. Haas & Sons, San Francisco, Cal. "Varied Sweets." (For Varied Sweets.) No. 17,325; Nov. 4; Gaz. vol. 196; p. 273.
- Geo. W. Caswell Co., San Francisco, Cal. "Tea Chest." (For Tea.) No. 17,225; Sept. 23; Gaz. vol. 194; p. 950.
- George G. London Manufacturing Company, The, Lynn, Mass. "Three in One, Cushion, Arch, Inner Sole." (For Innersoles.) No. 17,330; Nov. 4; Gaz. vol. 196; p. 273.
- Gertenrich, Louis W., Chicago, Ill. "Ball Tosser." (For a Corn Confection.) No. 17,257; Oct. 7; Gaz. vol. 195; p. 272.
- Gillies & Co., Edwin J., New York, N. Y. "Gillies' Favorite Coffees." (For Coffees.) No. 16,898; Apr. 1; Gaz. vol. 189; p. 250.
- Gilmartin, Seraphina E., New York, N. Y. "Fresh Roasted Coffee." (For Coffee.) No. 16,882; Mar. 25; Gaz. vol. 188; p. 1050.
- Giunta, Anthony, Philadelphia, Pa. "Italian Pure Olive Oil." (For Olive-Oil.) No. 17,421; Dec. 23; Gaz. vol. 197; p. 996.
- Glahn & Son, Henry von, Brooklyn, N. Y. "Vee Gee Brand." (For Canned Vegetables.) No. 17,045; May 27; Gaz. vol. 190; p. 1026.
- Goenner & Co., Johnstown, Pa. "New Life." (For Beer.) No. 17,081; June 24; Gaz. vol. 191; p. 1066.
- Goldsmith, Ralph, New Orleans, La. "Domino." (For Rice.) No. 17,030; May 20; Gaz. vol. 190; p. 791.
- Grace Company, Cleveland, Ohio. "Hand Lotion." (For a Hand-Lotion.) No. 17,258; Oct. 7; Gaz. vol. 195; p. 272.
- Graf-Morsbach Company, The, Cincinnati, Ohio. "Gemco." (For Horse-Collars.) No. 17,108; July 8; Gaz. vol. 192; p. 515.
- Gurr, William W., Chicago, Ill. "Association Roofing." (For Roofing.) No. 17,109; July 8; Gaz. vol. 192; p. 515.
- H. D. Peters Co., Monticello, Ill. "H. D. P. Co. Cigars." (For Cigars.) No. 17,148; July 29; Gaz. vol. 192; p. 1259.
- H. W. Johns-Manville Company, New York, N. Y. "J-M Asbestos Roofing." (For Asbestos Roofing.) No. 17,051; June 3; Gaz. vol. 191; p. 290.
- Haas & Sons, Geo., San Francisco, Cal. "Chocolate Supreme." (For Chocolates.) No. 17,145; July 29; Gaz. vol. 192; p. 1259.
- Haas & Sons, Geo., San Francisco, Cal. "Variety Mints." (For Candy.) No. 17,259; Oct. 7; Gaz. vol. 195; p. 272.
- Hagedorn-Merz Co., The, Philadelphia, Pa. "The R. N. Uniform." (For Uniforms for Nurses.) No. 17,131; July 22; Gaz. vol. 192; p. 988.
- Halcomb Steel Company, Syracuse, N. Y. "Dreadnought High Speed Steel." (For Steel.) No. 16,971; Apr. 29; Gaz. vol. 189; p. 1280.
- Hannah & Lay Company, Traverse City, Mich. "Tasty Pastry Flour." (For Flour.) No. 17,110; July 8; Gaz. vol. 192; p. 515.
- Haywood Fruit Exchange, Waynesville, N. C. "Gray Squirrel Brand." (For Apples.) No. 16,742; Jan. 21; Gaz. vol. 186; p. 796.
- Haywood Fruit Exchange, Waynesville, N. C. "Junaluska Brand." (For Apples.) No. 16,743; Jan. 21; Gaz. vol. 186; p. 796.
- Heilbron & Sons, David, Glasgow, Scotland. "King's Liqueur." (For Scotch Whisky.) No. 16,762; Jan. 28; Gaz. vol. 186; p. 985.
- Heinrich Mattoni, A. G., Carlsbad, Austria-Hungary. "Mattoni Water." (For a Mineral Water.) No. 17,085; June 24; Gaz. vol. 191; p. 1066.
- Heller & Long, New York, N. Y. "44 B." (For Handkerchiefs.) No. 17,151; Aug. 5; Gaz. vol. 193; p. 218.
- Heller & Long, New York, N. Y. "44 R." (For Handkerchiefs.) No. 17,152; Aug. 5; Gaz. vol. 193; p. 218.
- Heller & Long, New York, N. Y. "The Ideal." (For Handkerchiefs.) No. 17,438; Dec. 30; Gaz. vol. 197; p. 1290.
- Henry May & Co. Ltd., Honolulu, Hawaii. "Mayflower." (For Coffee.) No. 17,086; June 24; Gaz. vol. 191; p. 1066.
- Henry, Thos. F., Sapulpa, Okla. "Butter Scotch Chips." (For Candy.) No. 17,261; Oct. 7; Gaz. vol. 195; p. 272.
- Henschel & Co., A. C., Chicago, Ill. "Select Blend." (For Cigars.) No. 16,763; Jan. 28; Gaz. vol. 186; p. 985.
- Henschel & Co., A. C., Chicago, Ill. "El Continuo." (For Cigars.) No. 16,860; Mar. 11; Gaz. vol. 188; p. 511.
- Henschel & Co., A. C., Chicago, Ill. "Royal Feathers." (For Cigars.) No. 16,883; Mar. 25; Gaz. vol. 188; p. 1050.
- Henschel & Co., A. C., Chicago, Ill. "La Tamara." (For Cigars.) No. 16,930; Apr. 15; Gaz. vol. 189; p. 778.
- Henschel & Co., A. C., Chicago, Ill. "Call Boy." (For Cigars.) No. 16,942; Apr. 22; Gaz. vol. 189; p. 1030.
- Henschel & Co., A. C., Chicago, Ill. "Star Seal." (For Cigars.) No. 17,000; May 13; Gaz. vol. 190; p. 546.
- Henschel & Co., A. C., Chicago, Ill. "Cigars." (For Cigars.) No. 17,001; May 13; Gaz. vol. 190; p. 546.
- Henschel & Co., A. C., Chicago, Ill. "Cuban Stock." (For Cigars.) No. 17,068; June 17; Gaz. vol. 191; p. 829.
- Henschel & Co., A. C., Chicago, Ill. "El Ritano." (For Cigars.) No. 17,153; Aug. 5; Gaz. vol. 193; p. 218.
- Henschel & Co., A. C., Chicago, Ill. "Right Dope." (For Cigars.) No. 17,154; Aug. 5; Gaz. vol. 193; p. 218.
- Henschel & Co., A. C., Chicago, Ill. "Country Club." (For Cigars.) No. 17,284; Oct. 21; Gaz. vol. 195; p. 816.
- Henschel & Co., A. C., Chicago, Ill. "Clean Bill." (For Cigars.) No. 17,285; Oct. 21; Gaz. vol. 195; p. 816.
- Henschel & Co., A. C., Chicago, Ill. "Bel Vor." (For Cigars.) No. 17,302; Oct. 28; Gaz. vol. 195; p. 1048.
- Henschel & Company, A. C., Chicago, Ill. "Casa Leo." (For Cigars.) No. 17,248; Sept. 30; Gaz. vol. 194; p. 1139.
- Henschel & Company, A. C., Chicago, Ill. "Robert Gray." (For Cigars.) No. 17,249; Sept. 30; Gaz. vol. 194; p. 1139.
- Herbruck, John C., Cuyahoga Falls, Ohio. "Herbruck's Abortion Remedy." (For Stock Medicine.) No. 16,744; Jan. 21; Gaz. vol. 186; p. 796.
- Hess, Chas. H., Cincinnati, Ohio. "Rich Pasture Creamery Butter." (For Butter.) No. 16,943; Apr. 22; Gaz. vol. 189; p. 1030.
- Hi-Po Waterproof Battery Co., Brooklyn, N. Y. "Hi-Po Water-proof Guaranteed Dry Battery." (For a Dry Battery.) No. 17,386; Dec. 9; Gaz. vol. 197; p. 531.
- Higbie Salt Company, Chicago, Ill. "The Star Border Salt." (For Salt.) No. 17,293; Oct. 21; Gaz. vol. 195; p. 816.
- Hills Bros., San Francisco, Cal. "Hills Bros.' Blue Label Japan Tea." (For Tea.) No. 17,294; Oct. 21; Gaz. vol. 195; p. 816.
- Hing, Moy J., Seattle, Wash. "Binglong Tooth-Ache Plaster." (For Toothache-Plaster.) No. 17,111; July 8; Gaz. vol. 192; p. 515.
- Hirschfeld, Al, Long Branch, N. J. "Shrewsbury Club." (For Blended Whisky.) No. 17,069; June 17; Gaz. vol. 191; p. 829.
- Hoffer, Peter, New York, N. Y. "Hippopatrol A Powder for Remedy and Relief For Wind Broken Horses." (For a Veterinary Remedy.) No. 17,205; Sept. 2; Gaz. vol. 194; p. 272.
- Hoffman-La Roche Chemical Works, The, New York, N. Y. "Kresapol." (For a Germicide and Disinfectant.) No. 17,250; Sept. 30; Gaz. vol. 194; p. 1139.
- Holland Baking Co., The, Holland, Mich. "Butter Top Bread." (For Bread.) No. 17,295; Oct. 21; Gaz. vol. 195; p. 816.
- Honeyman, Garretta, Plainfield, N. J. "Cleanser." (For a Preparation to Keep the Scalp Healthy.) No. 17,082; June 24; Gaz. vol. 191; p. 1066.
- Hood Bros., Smithfield, N. C. "Hood's Croup, Cold and Pneumonia Salve." (For a Salve for Croup, Cold, and Pneumonia.) No. 17,439; Dec. 30; Gaz. vol. 197; p. 1290.
- Hot Springs Chemical Company, Chicago, Ill. "Artificial Hot Springs Home Salts." (For Medicinal Preparations.) No. 16,813; Feb. 11; Gaz. vol. 187; p. 511.
- Hot Springs Chemical Company, Chicago, Ill. "Artificial Hot Springs Home Bath." (For Medicinal Preparations.) No. 16,814; Feb. 11; Gaz. vol. 187; p. 511.
- Hot Springs Chemical Company, Chicago, Ill. "Nu-Bo-Kay Sanitary Bath Salts." (For Medicinal Preparations.) No. 17,070; June 17; Gaz. vol. 191; p. 829.
- Hotfelder, Joseph, St. Louis, Mo. "Electric Shine." (For Stove-Polish.) No. 16,884; Mar. 25; Gaz. vol. 188; p. 1050.
- Howell, C. J., Chicago, Ill. "Grape Smash." (For Grape Smash.) No. 16,972; Apr. 29; Gaz. vol. 189; p. 1280.
- Howell & Company, Chicago, Ill. "Starbright Silverpolish." (For a Compound for Cleaning and Polishing.) No. 17,002; May 13; Gaz. vol. 190; p. 546.
- Howell & Company, Chicago, Ill. "Sunbright Metal Polish." (For a Polish.) No. 17,003; May 13; Gaz. vol. 190; p. 546.
- Howell & Company, Chicago, Ill. "Autol." (For a Polish.) No. 17,004; May 13; Gaz. vol. 190; p. 546.
- Huber Baking Co., Wilmington, Del. "Huber's Sun-Beam Bread." (For Bread.) No. 17,387; Dec. 9; Gaz. vol. 197; p. 531.
- Hudson and Gram Co. Inc., The, Portland, Oreg. "Quinault." (For Clams.) No. 16,832; Feb. 18; Gaz. vol. 187; p. 827.
- Hunyadi Split Corporation, Minneapolis, Minn. "Domestic Sparkling Hunyadi or Cathartic Split." (For Cathartic Water of an Artificial Nature.) No. 17,351; Nov. 18; Gaz. vol. 196; p. 802.

Alphabetical list of registrants of labels—Continued.

- Huyler's, New York, N. Y. "Pecan Caramels." (For Pecan-Caramels.) No. 16,786; Feb. 4; Gaz. vol. 187; p. 230.
- Huyler's, New York, N. Y. "White Nougat." (For White Nougat.) No. 16,787; Feb. 4; Gaz. vol. 187; p. 230.
- Huyler's, New York, N. Y. "Chocolate Covered Brazil Nuts." (For Chocolate-Covered Brazil Nuts.) No. 16,861; Mar. 11; Gaz. vol. 188; p. 511.
- Hydraulic-Press Brick Company, St. Louis, Mo. "Hy-tex." (For Brick.) No. 17,227; Sept. 23; Gaz. vol. 194; p. 950.
- Hydrox Chemical Company, Brooklyn, N. Y. "Peroxide of Hydrogen." (For Peroxid of Hydrogen.) No. 16,944; Apr. 22; Gaz. vol. 189; p. 1030.
- Hygienic Products Company, The, Canton, Ohio. "Saniflush." (For a Powdered Chemical Compound.) No. 16,945; Apr. 22; Gaz. vol. 189; p. 1030.
- Ideal Aeroplane & Supply Co., New York, N. Y. "Blue Bird Racing Aeroplane." (For Aeroplanes.) No. 17,228; Sept. 23; Gaz. vol. 194; p. 950.
- Independence Biscuit Company, Independence, Kans. "Korn-Kake." (For Corn-Cake.) No. 17,262; Oct. 7; Gaz. vol. 195; p. 272.
- Independent Baking Company, Davenport, Iowa. "Discults." (For Crackers.) No. 16,745; Jan. 21; Gaz. vol. 186; p. 796.
- Inter-American Drug and Trading Company, The, New York, N. Y. "Extermo Rat Paste." (For Poison for Rats and Roaches.) No. 16,833; Feb. 18; Gaz. vol. 187; p. 827.
- Interboro Brewing Company, New York, N. Y. "Bismarck Beer." (For Beer.) No. 17,083; June 24; Gaz. vol. 191; p. 1066.
- Interwoven Stocking Company, New Brunswick, N. J. "Warranted Genuine Inter woven Cashmere 35¢." (For Socks.) No. 17,112; July 8; Gaz. vol. 192; p. 515.
- Interwoven Stocking Company, New Brunswick, N. J. "Super Grade Inter woven Cashmere." (For Socks.) No. 17,113; July 8; Gaz. vol. 192; p. 515.
- Interwoven Stocking Company, New Brunswick, N. J. "Warranted Genuine Inter woven 35¢." (For Socks.) No. 17,114; July 8; Gaz. vol. 192; p. 515.
- Interwoven Stocking Company, New Brunswick, N. J. "Warranted Genuine Inter woven Wear-proof toe, heel, sole & ankle." (For Socks.) Nos. 17,115-16; July 8; Gaz. vol. 192; p. 515.
- Interwoven Stocking Company, New Brunswick, N. J. "Warranted Genuine Inter woven 50¢." (For Socks.) No. 17,117; July 8; Gaz. vol. 192; p. 515.
- Interwoven Stocking Company, New Brunswick, N. J. "Inter woven Cashmere." (For Socks.) No. 17,118; July 8; Gaz. vol. 192; p. 515.
- Interwoven Stocking Company, New Brunswick, N. J. "Pure Silk Inter woven 50¢." (For Socks.) No. 17,119; July 8; Gaz. vol. 192; p. 515.
- Iron-Up Medicine Company, The, Chicago, Ill. "Iron-Up Compound." (For a Medicinal Tonic.) No. 16,788; Feb. 4; Gaz. vol. 187; p. 230.
- Isenberg, Israel, Wheeling, W. Va. "Slendora XXX." (For Cigars.) No. 16,973; Apr. 29; Gaz. vol. 189; p. 1280.
- J. Goodman Inc., New York, N. Y. "Step Lively." (For a Foot-Balm.) No. 17,350; Nov. 18; Gaz. vol. 196; p. 802.
- J. A. Pozzoni Pharmacal Co., The, Chicago, Ill. "Polvere Di Riso." (For Rice Complexion-Powder.) No. 17,016; May 13; Gaz. vol. 190; p. 546.
- J. A. Walter Milling Co., Inc., Buffalo, N. Y. "Walter's Best Quality Flour." (For Flour.) No. 17,409; Dec. 9; Gaz. vol. 197; p. 531.
- J. F. Pyle & Son, San Jose, Cal. "Kanreli Sauce." (For Sauce.) No. 16,754; Jan. 21; Gaz. vol. 186; p. 796.
- J. K. Armsby Co., The, Chicago, Ill., and San Francisco, Cal. "Sun-Kist." (For Seedless Raisins.) No. 16,770; Feb. 4; Gaz. vol. 187; p. 230.
- J. K. Armsby Co., The, Chicago, Ill., and San Francisco, Cal. "Sun-Kist." (For Raspberries.) No. 16,771; Feb. 4; Gaz. vol. 187; p. 230.
- J. K. Armsby Co., The, Chicago, Ill., and San Francisco, Cal. "Sun-Kist." (For Seeded Raisins.) No. 16,772; Feb. 4; Gaz. vol. 187; p. 230.
- J. K. Armsby Co., The, Chicago, Ill., and San Francisco, Cal. "Sun-Kist." (For Strawberries.) No. 16,773; Feb. 4; Gaz. vol. 187; p. 230.
- J. K. Armsby Co., The, Chicago, Ill., and San Francisco, Cal. "Sun-Kist." (For Asparagus.) No. 16,774; Feb. 4; Gaz. vol. 187; p. 230.
- J. K. Armsby Co., The, Chicago, Ill., and San Francisco, Cal. "Sun-Kist." (For Lemon Cling-Peaches.) No. 16,775; Feb. 4; Gaz. vol. 187; p. 230.
- J. K. Armsby Co., The, Chicago, Ill., and San Francisco, Cal. "Sun-Kist." (For Sliced Lemon Cling-Peaches.) No. 16,776; Feb. 4; Gaz. vol. 187; p. 230.
- J. K. Armsby Co., The, Chicago, Ill., and San Francisco, Cal. "Sun-Kist." (For Apricots.) No. 16,777; Feb. 4; Gaz. vol. 187; p. 230.
- J. K. Armsby Co., The, Chicago, Ill., and San Francisco, Cal. "Sun-Kist." (For Bartlett Pears.) No. 16,778; Feb. 4; Gaz. vol. 187; p. 230.
- J. K. Armsby Co., The, Chicago, Ill., and San Francisco, Cal. "Sun-Kist." (For Blackberries.) No. 16,779; Feb. 4; Gaz. vol. 187; p. 230.
- J. K. Armsby Co., The, Chicago, Ill., and San Francisco, Cal. "Sun-Kist." (For Green-Gage Plums.) No. 16,780; Feb. 4; Gaz. vol. 187; p. 230.
- J. K. Armsby Co., The, San Francisco, Cal. "Sun-Kist." (For Canned Tomatoes.) No. 16,896; Apr. 1; Gaz. vol. 189; p. 250.
- J. K. Armsby Co., The, San Francisco, Cal. "Sun-Kist." (For Canned Corn.) No. 16,897; Apr. 1; Gaz. vol. 189; p. 250.
- James-Gray-Kuhn Company, Pittsburgh, Pa. "Korine." (For a Carbon-Remover.) No. 16,899; Apr. 1; Gaz. vol. 189; p. 250.
- James S. Kirk & Company, Chicago, Ill. "Jap Rose." (For Perfume.) No. 16,765; Jan. 28; Gaz. vol. 186; p. 985.
- James S. Kirk & Company, Chicago, Ill. "Jap Rose." (For Talcum Powder.) No. 16,834; Feb. 18; Gaz. vol. 187; p. 827.
- James S. Kirk & Company, Chicago, Ill. "Jap Rose Soap." (For Soap.) No. 17,120; July 8; Gaz. vol. 192; p. 515.
- Jamoka Company, The, Birmingham, Ala. "Java-Julep." (For Java-Julep.) No. 17,005; May 13; Gaz. vol. 190; p. 546.
- Jas. H. Forbes Tea & Coffee Co., St. Louis, Mo. "Forbes' Quality." (For Allspice.) No. 16,809; Feb. 11; Gaz. vol. 187; p. 511.
- Jas. H. Forbes Tea & Coffee Co., St. Louis, Mo. "Forbes' Quality." (For Baking-Powder.) No. 17,099; July 1; Gaz. vol. 192; p. 214.
- Jas. H. Forbes Tea & Coffee Co., St. Louis, Mo. "Forbes' Quality." (For Spices.) No. 17,144; July 29; Gaz. vol. 192; p. 1259.
- John Dewar & Sons Limited, Perth, Scotland, and London, England. "Extra Special Old Scotch Whisky." (For Scotch Whisky.) No. 17,414; Dec. 23; Gaz. vol. 197; p. 996.
- John Dewar & Sons Limited, Perth, Scotland, and London, England. "Extra Special Liqueur." (For Scotch Whisky.) No. 17,415; Dec. 23; Gaz. vol. 197; p. 996.
- John Dewar & Sons Limited, Perth, Scotland, and London, England. "Special Liqueur." (For Scotch Whisky.) No. 17,416; Dec. 23; Gaz. vol. 197; p. 996.
- John Dewar & Sons Limited, Perth, Scotland, and London, England. "White Label." (For Scotch Whisky.) No. 17,417; Dec. 23; Gaz. vol. 197; p. 996.
- John Dewar & Sons Limited, Perth, Scotland, and London, England. "Special Old Scotch Whisky." (For Scotch Whisky.) No. 17,418; Dec. 23; Gaz. vol. 197; p. 996.
- John Hoberg Co., The, Green Bay, Wis. "Fusiyama." (For Toilet-Paper.) No. 16,811; Feb. 11; Gaz. vol. 187; p. 511.
- John Hoberg Co., The, Green Bay, Wis. "Geisha." (For Toilet-Paper.) No. 16,812; Feb. 11; Gaz. vol. 187; p. 511.
- John J. Lynch Cigar Co., Chicago, Ill. "Ricozo." (For Cigars.) No. 16,817; Feb. 11; Gaz. vol. 187; p. 511.
- John Lucas & Co., Inc., Philadelphia, Pa. "Lucas Silo Paint." (For Paint.) No. 17,266; Oct. 7; Gaz. vol. 195; p. 272.
- Johnson & Co., Oliver, Providence, R. I. "Gloss Opaque." (For Paint.) No. 17,052; June 3; Gaz. vol. 191; p. 290.
- Johnson & Co., Oliver, Providence, R. I. "Flat Opaque." (For Paint.) No. 17,053; June 3; Gaz. vol. 191; p. 290.
- Johnson & Co., Oliver, Providence, R. I. "Kon-Krete-Kote." (For Paint.) No. 17,054; June 3; Gaz. vol. 191; p. 290.
- Johnson, J. Bailey, Edgewood, Pa. "Travella." (For Cold-Cream.) No. 17,146; July 29; Gaz. vol. 192; p. 1259.
- Johnson-Locke Mercantile Co., The, San Francisco, Cal. "Franciscan Brand." (For Lemon Cling-Peaches.) No. 16,946; Apr. 22; Gaz. vol. 189; p. 1030.
- Jones, James T. L., Baltimore, Md. "Woe-Tai." (For Tea.) No. 16,789; Feb. 4; Gaz. vol. 187; p. 230.
- Kanouse, Emmet, Ludington, Mich. "Pill." (For Cigars.) No. 17,251; Sept. 30; Gaz. vol. 194; p. 1139.
- Kansas City Breweries Company, The, Kansas City, Mo. "Old Fashioned Lager Beer." (For Beer.) No. 17,440; Dec. 30; Gaz. vol. 197; p. 1290.
- Kaplowitz, Louis, New York, N. Y. "Russian Mixture." (For Smoking-Tobacco.) No. 17,006; May 13; Gaz. vol. 190; p. 546.
- Kellar Investment Company, Tampa, Fla. "Avon Springs." (For Ginger-Ale.) No. 16,987; May 6; Gaz. vol. 190; p. 263.
- Kellogg, I. T., New York, N. Y. "Kellogg's Pure Olive Oil." (For Olive-Oil.) No. 16,764; Jan. 28; Gaz. vol. 186; p. 985.
- Kellogg Toasted Corn Flake Co., Battle Creek, Mich. "Kellogg's (Toasted) Krumbles." (For Prepared Cereal Foods.) No. 16,746; Jan. 21; Gaz. vol. 186; p. 796.
- Kellogg Toasted Corn Flake Co., Battle Creek, Mich. "Kellogg's Toasted Wheat Biscuit." (For Biscuit.) No. 17,101; July 1; Gaz. vol. 192; p. 214.

Alphabetical list of registrants of labels—Continued.

- Kellogg Toasted Corn Flake Company, Battle Creek, Mich. "Drinket." (For a Compound Intended as a Substitute for Coffee.) No. 17,192; Aug. 19; Gaz. vol. 193; p. 752.
- Kelly, Thomas, Honolulu, Hawaii. "Kelly's Pure Hawaiian." (For Guava Jelly.) No. 17,201; Aug. 26; Gaz. vol. 193; p. 1015.
- Kerr & Company, Inc., New York, N. Y. "Kerr's Improved Metallic Lacing." (For Metallic Belt-Lacing.) No. 17,422; Dec. 23; Gaz. vol. 197; p. 996.
- King & Co., A. G., Reading, Pa. "Rex." (For an Antirust Compound.) No. 16,885; Mar. 25; Gaz. vol. 188; p. 1050.
- King's Chewing Gum Co., The, Boston, Mass. "King's Chewing Gum." (For Chewing-Gum.) No. 16,747; Jan. 21; Gaz. vol. 186; p. 796.
- Klar, Adolph, New York, N. Y. "'Hold-Tight' Brand Fringe Hair Nets." (For Hair-Nets.) No. 17,352; Nov. 18; Gaz. vol. 196; p. 802.
- Klar, Adolph, New York, N. Y. "'Hold-Tight' No. 43. Self Adjustable." (For Hair-Nets.) No. 17,353; Nov. 18; Gaz. vol. 196; p. 802.
- Kleanall Chemical Company, Pittsburgh, Pa. "Kleanall." (For Cleansers and Water-Softeners.) No. 17,354; Nov. 18; Gaz. vol. 196; p. 802.
- Kline, Pratt, Jersey City, N. J. "Cabaret Chocolates." (For Chocolate Confectionery.) No. 17,007; May 13; Gaz. vol. 190; p. 546.
- Kloma Company, The, Redondo Beach, Cal. "Kloma." (For Hair-Tonic and Scalp-Renovator.) No. 17,084; June 24; Gaz. vol. 191; p. 1066.
- Knickerbocker Chocolate Co., New York, N. Y. "Almond Chocolate." (For Almond Chocolate.) No. 17,206; Sept. 2; Gaz. vol. 194; p. 272.
- Knights, William, Wichita, Kans. "W-O-C." (For a Cereal Food Made of Wheat, Oats, and Corn.) No. 17,155; Aug. 5; Gaz. vol. 193; p. 218.
- Koblentz & Son, M., New York, N. Y. "Tru Val." (For Shirts.) No. 16,850; Feb. 25; Gaz. vol. 187; p. 1114.
- Kolar, Frank, Oak Park, Ill. "Brother of the Brush Furniture and Piano Polish." (For Furniture and Piano Polish.) No. 17,102; July 1; Gaz. vol. 192; p. 214.
- Kollen, John W., Cambridge, Mass. "National Health." (For Bread.) No. 16,931; Apr. 15; Gaz. vol. 189; p. 778.
- Kopf, Henry B., New Haven, Conn. "Isle Pines." (For Pineapples.) No. 16,766; Jan. 28; Gaz. vol. 186; p. 985.
- Kopf, Henry B., New Haven, Conn. "Selected Sixes." (For Pineapples.) No. 17,179; Aug. 12; Gaz. vol. 193; p. 507.
- Kriel, Walter E., Baltimore, Md. "Oriole." (For Pastes.) No. 16,835; Feb. 18; Gaz. vol. 187; p. 827.
- Kronberger, Israel B., Oakland, Cal. "Kronberger's California Compound Eucalyptus Syrup." (For a Remedy.) No. 16,748; Jan. 21; Gaz. vol. 186; p. 796.
- Kronberger, Israel B., Oakland, Cal. "Kronberger's California Eucalyptus Ointment." (For a Remedy.) No. 16,749; Jan. 21; Gaz. vol. 186; p. 796.
- Kronberger, Israel B., Oakland, Cal. "Kronberger's California Mentholated Eucalyptus Drops." (For Eucalyptus Drops.) No. 17,388; Dec. 9; Gaz. vol. 197; p. 531.
- Kuck Cereal Company, Spokane, Wash. "Golden Hearts of All Cereal Food." (For Cereal Food.) No. 17,370; Nov. 25; Gaz. vol. 196; p. 1050.
- La Porte Woolen Mills, Laporte, Ind. "La Porte Wash Goods." (For Wash Goods.) No. 17,371; Nov. 25; Gaz. vol. 196; p. 1050.
- Laird, George W., Cliffside, N. J. "Laird's G W L Blush of Youth Harmless—Natural Color for the Cheeks and Lips." (For a Coloring for the Cheeks and Lips.) No. 17,328; Nov. 4; Gaz. vol. 196; p. 273.
- Lancaster & Company, P. R., Owensboro, Ky. "Premier Pure, The Whiskey for Family Use." (For Whisky.) No. 17,229; Sept. 23; Gaz. vol. 194; p. 950.
- Lang, Fred N., Bayfield, Wis. "Ka-Nu Corn Cure." (For Corn-Plasters.) No. 17,303; Oct. 28; Gaz. vol. 195; p. 1048.
- Lautz Bros & Co., Buffalo, N. Y. "Lautz Naphtha Soap Powder." (For a Soap Powder.) Nos. 17,263-4; Oct. 7; Gaz. vol. 195; p. 272.
- Lawton, William Y., San Francisco, Cal. "Poppy Brand." (For Cotton-Seed Oil.) No. 16,815; Feb. 11; Gaz. vol. 187; p. 511.
- Leder & Wechsler, Brooklyn, N. Y. "The Messenger Bread." (For Bread.) No. 17,296; Oct. 21; Gaz. vol. 195; p. 816.
- Leopold Engelhardt G. m. b. H., Cairo, Egypt. "Egyptian Cigarettes." (For Cigarettes.) No. 17,382; Dec. 9; Gaz. vol. 197; p. 531.
- Levy, David B., Brooklyn, N. Y. "Peroxide of Hydrogen." (For Peroxid of Hydrogen.) Nos. 16,914-15; Apr. 8; Gaz. vol. 189; p. 521.
- Levy, David B., Brooklyn, N. Y. "Hydrogen Peroxide." (For Peroxid of Hydrogen.) No. 16,916; Apr. 8; Gaz. vol. 189; p. 521.
- Levy, David B., Brooklyn, N. Y. "Peroxide of Hydrogen." (For Peroxid of Hydrogen.) Nos. 16,917-18; Apr. 8; Gaz. vol. 189; p. 521.
- Levy, David B., Brooklyn, N. Y. "Per-man-eo Peroxide of Hydrogen." (For Peroxid of Hydrogen.) No. 16,947; Apr. 22; Gaz. vol. 189; p. 1030.
- Levy, David B., Brooklyn, N. Y. "Peroxide of Hydrogen." (For Peroxid of Hydrogen.) No. 16,948; Apr. 22; Gaz. vol. 189; p. 1030.
- Levy, David B., Brooklyn, N. Y. "Hydrogen Peroxide." (For Peroxid of Hydrogen.) No. 16,949; Apr. 22; Gaz. vol. 189; p. 1030.
- Levy, David B., Brooklyn, N. Y. "Hydrox Hydrogen Peroxide." (For Peroxid of Hydrogen.) No. 16,950; Apr. 22; Gaz. vol. 189; p. 1020.
- Levy, David B., Brooklyn, N. Y. "First Aid Peroxid Hydrogen." (For Peroxid of Hydrogen.) No. 16,951; Apr. 22; Gaz. vol. 189; p. 1030.
- Lewis, Samuel, New York, N. Y. "Lily White Brand." (For Toilet-Paper.) No. 17,214; Sept. 16; Gaz. vol. 194; p. 743.
- Liberman, Samuel, Peekskill, N. Y. "Top-Notch." (For Bread.) No. 16,900; Apr. 1; Gaz. vol. 189; p. 250.
- Lichfield, S., Kansas City, Mo. "Lichfield's Far Famed Sausages and Pork Pies." (For Sausages and Pork Pies.) No. 16,750; Jan. 21; Gaz. vol. 186; p. 796.
- Lichtenstein, Philip, San Francisco, Cal. "Floorshine." (For a Polish for Floors and Linoleum.) No. 16,901; Apr. 1; Gaz. vol. 189; p. 250.
- Lindquist, Marie, Chicago, Ill. "O. K. Furniture Polish." (For Furniture-Polish.) No. 16,862; Mar. 11; Gaz. vol. 188; p. 511.
- Lion Varnish Company, New York, N. Y. "Wunder Shine Varnish." (For Varnish.) No. 17,329; Nov. 4; Gaz. vol. 196; p. 273.
- Liquid Carbonic Company, The, Chicago, Ill. "Diamond Sparkle Ginger Ale." (For Ginger-Ale.) No. 17,157; Aug. 5; Gaz. vol. 193; p. 218.
- Little Bay Packing Co., The, White Stone, Va. "Simon Pure Brand." (For Canned Goods.) No. 17,202; Aug. 26; Gaz. vol. 193; p. 1015.
- Liver Ease Medicine Company, Atlanta, Ga. "Liver Ease." (For Medicinal Preparation.) No. 17,423; Dec. 23; Gaz. vol. 197; p. 996.
- Londoner, Charles, New York, N. Y. "La Marquet Poudre De Riz." (For a Toilet Powder.) No. 17,265; Oct. 7; Gaz. vol. 195; p. 272.
- Lynch, Joseph H., New York, N. Y. "Panama Canal Puzzle." (For Puzzles.) No. 16,790; Feb. 4; Gaz. vol. 187; p. 230.
- M. M. Johanssen Candy Co., Dubuque, Iowa. "\$1,000.00 Pure Sugar Stick Candy." (For Candy.) No. 17,369; Nov. 25; Gaz. vol. 196; p. 1050.
- Maas Baking Company, New York, N. Y. "High Grade Food Products." (For Macaroni, Farina, Elbows, Egg-Barley, Egg-Flakes, Egg-Alphabets, and Egg-Noodles.) No. 16,752; Jan. 21; Gaz. vol. 186; p. 796.
- Maas Baking Company, New York, N. Y. "Maas's Gold Medal Tea Matzo." (For Unleavened Bread.) No. 16,818; Feb. 11; Gaz. vol. 187; p. 511.
- MacClemmy, Robert F., New Haven, Conn. "The Imperial Stripe of Honor." (For Body-Braces.) No. 16,886; Mar. 25; Gaz. vol. 188; p. 1050.
- MacClemmy, Robert F., New Haven, Conn. "Imperial Health Brace." (For Body-Braces.) No. 17,071; June 17; Gaz. vol. 191; p. 829.
- Madder, William B., Newark, N. J. "Vapol System." (For Inhaler Outfits.) No. 17,172; Aug. 12; Gaz. vol. 193; p. 507.
- Magic Oil Co., The, New Orleans, La. "Magic Oil." (For a Polishing and Lubricating Oil.) No. 16,988; May 6; Gaz. vol. 190; p. 263.
- Magnano, Antonio, Seattle, Wash. "Map of Italy Brand." (For Olive-Oil.) No. 16,751; Jan. 21; Gaz. vol. 186; p. 796.
- Mariani Bros., New York, N. Y. "Rhum Tipo Inglese." (For Rum.) No. 17,389; Dec. 9; Gaz. vol. 197; p. 531.
- Mariani Bros., New York, N. Y. "Liquore Cannella." (For Alcoholic Liquors.) No. 17,390; Dec. 9; Gaz. vol. 197; p. 531.
- Mariani Bros., New York, N. Y. "Sambuca Purissima." (For Alcoholic Liquors.) No. 17,391; Dec. 9; Gaz. vol. 197; p. 531.
- Marshall, Blaine M., New Albany, Ind. "Marshall's Blue Safety Ink." (For Ink.) No. 17,055; June 3; Gaz. vol. 191; p. 290.
- Marshall, Blaine M., New Albany, Ind. "Marshall's Ebony Black Ink." (For Ink.) No. 17,441; Dec. 30; Gaz. vol. 197; p. 1290.
- Martin Bros. Cigar Mfg., Elkhart, Ind. "Martin." (For Cigars.) No. 17,424; Dec. 23; Gaz. vol. 197; p. 996.
- Martin, Rexford J., New York, N. Y. "Sag-Peru Hair Tonic." (For a Hair-Tonic.) No. 17,392; Dec. 9; Gaz. vol. 197; p. 531.
- Mason Shoe Mfg. Co., Chippewa Falls, Wis. "The Shoe That Made Chippewa Famous." (For Shoes.) No. 17,230; Sept. 23; Gaz. vol. 194; p. 950.
- Mason Shoe Mfg. Co., Chippewa Falls, Wis. "Pacific Coast Loggers." (For Shoes.) No. 17,231; Sept. 23; Gaz. vol. 194; p. 950.
- Mason Shoe Mfg. Co., Chippewa Falls, Wis. "Chippewa Best." (For Shoes.) No. 17,232; Sept. 23; Gaz. vol. 194; p. 950.

Alphabetical list of registrants of labels—Continued.

- Mason Shoe Mfg. Co., Chippewa Falls, Wis. "Northwestern Service Shoes." (For Shoes.) No. 17,233; Sept. 23; Gaz. vol. 194; p. 950.
- Mason Shoe Mfg. Co., Chippewa Falls, Wis. "New River Oak." (For Shoes.) No. 17,234; Sept. 23; Gaz. vol. 194; p. 950.
- Massaniso, Antonio, Providence, R. I. "Italo American Cigar Mfg. Co." (For Cigars.) No. 16,952; Apr. 22; Gaz. vol. 189; p. 1030.
- McBride, John, Phoenix, Ariz. "Progress Phoenix." (For Cigars.) No. 17,031; May 20; Gaz. vol. 190; p. 791.
- McCready & Webster, Baltimore, Md. "Beacon." (For Tomatoes.) No. 17,132; July 22; Gaz. vol. 192; p. 988.
- McDonough & Son, T. C., Milwaukee, Wis. "Purest Gaelic." (For Wine.) No. 17,226; Sept. 23; Gaz. vol. 194; p. 950.
- McKendrick, James, New York, N. Y. "Kiddie Kloth." (For Cotton Wash-Fabric Piece Goods.) No. 17,331; Nov. 4; Gaz. vol. 196; p. 273.
- McLean, E. Theodore, San Francisco, Cal. "Acquaries." (For a Bath-Powder.) No. 17,176; Aug. 12; Gaz. vol. 193; p. 507.
- Merchants Biscuit Company, The, Denver, Colo. "Supreme Soda." (For Soda Crackers.) No. 17,057; June 10; Gaz. vol. 191; p. 584.
- Miller, Solomon S., Reading, Pa. "The Miller Sock." (For Socks.) No. 17,032; May 20; Gaz. vol. 190; p. 791.
- Mills, Pearl K., Louisville, Ky. "Old English Worcestershire Sauce." (For Worcestershire Sauce.) No. 16,819; Feb. 11; Gaz. vol. 187; p. 511.
- Milwaukee Paper Box Co., Milwaukee, Wis. "Mission." (For Chocolates.) No. 16,767; Jan. 28; Gaz. vol. 186; p. 985.
- Miner, W. H., Chazy, N. Y. "Strictly Pure Lard Heart's Delight Farm." (For Lard.) No. 16,887; Mar. 25; Gaz. vol. 188; p. 1050.
- Mink, Morris, Philadelphia, Pa. "Mink." (For Cigars.) No. 17,235; Sept. 23; Gaz. vol. 194; p. 950.
- Minnesota Valley Canning Co., Le Sueur, Minn. "Blue and Gold." (For Canned Corn.) No. 17,393; Dec. 9; Gaz. vol. 197; p. 531.
- Minnesota Valley Canning Co., Le Sueur, Minn. "Valley Pride." (For Sugar-Corn.) No. 17,394; Dec. 9; Gaz. vol. 197; p. 531.
- Minnesota Valley Canning Co., Le Sueur, Minn. "Artesian." (For Canned Peas.) No. 17,395; Dec. 9; Gaz. vol. 197; p. 531.
- Minnesota Valley Canning Co., Le Sueur, Minn. "Le Sueur." (For Canned Peas.) No. 17,396; Dec. 9; Gaz. vol. 197; p. 531.
- Minnesota Valley Canning Co., Le Sueur, Minn. "Minnesota Valley." (For Peas.) No. 17,397; Dec. 9; Gaz. vol. 197; p. 531.
- Mirror Printing Co., The, Albion, Mich. "Made Well." (For Bread.) No. 17,372; Nov. 25; Gaz. vol. 196; p. 1050.
- Missoula Mercantile Company, Missoula, Mont. "Headlight Half Hose." (For Hosiery.) No. 16,851; Feb. 25; Gaz. vol. 187; p. 1114.
- Mittelstaedt, Firm of E., New York, N. Y. "Adrea Fringe Net." (For Hair-Nets.) No. 16,974; Apr. 29; Gaz. vol. 189; p. 1280.
- Mittelstaedt, Firm of E., New York, N. Y. "Elektra." (For Hair-Nets.) No. 16,975; Apr. 29; Gaz. vol. 189; p. 1280.
- Mittelstaedt, Firm of E., New York, N. Y. "Diana Motor Net." (For Hair-Nets.) No. 16,976; Apr. 29; Gaz. vol. 189; p. 1280.
- Mittelstaedt, Firm of E., New York, N. Y. "I Am." (For Hair-Nets.) No. 16,977; Apr. 29; Gaz. vol. 189; p. 1280.
- Mittelstaedt, Firm of E., New York, N. Y. "Close Fit." (For Hair-Nets.) No. 16,989; May 6; Gaz. vol. 190; p. 263.
- Mittelstaedt, Firm of E., New York, N. Y. "YLS." (For Hair-Nets.) No. 17,103; July 1; Gaz. vol. 192; p. 214.
- Mittelstaedt, E., New York, N. Y. "4 U." (For Hair-Nets.) No. 17,033; May 20; Gaz. vol. 190; p. 791.
- Mobile Sugar Development Company, Mobile, Ala. "Mobile Maid Brand." (For Cane-Syrup.) No. 16,978; Apr. 29; Gaz. vol. 189; p. 1280.
- Mobile Sugar Development Company, Mobile, Ala. "Orange Belt Brand Syrup." (For Cane and Corn Syrup.) No. 17,122; July 8; Gaz. vol. 192; p. 515.
- Mode, Ltd., The, Boise, Idaho. "La Marquise." (For Corsets.) No. 16,852; Feb. 25; Gaz. vol. 187; p. 1114.
- Mode, Ltd., The, Boise, Idaho. "Syringa Blossom Candy." (For Candies.) No. 17,072; June 17; Gaz. vol. 191; p. 829.
- Moehle Lithographic Company, The, New York, N. Y. "Advantage." (For Cigars.) No. 17,008; May 13; Gaz. vol. 190; p. 546.
- Moehle Lithographic Company, The, New York, N. Y. "Double Guarantee." (For Cigars.) No. 17,009; May 13; Gaz. vol. 190; p. 546.
- Moehle Lithographic Company, The, New York, N. Y. "Henry Wilson." (For Cigars.) No. 17,010; May 13; Gaz. vol. 190; p. 546.
- Moehle Lithographic Company, The, New York, N. Y. "La Cubitana." (For Cigars.) No. 17,011; May 13; Gaz. vol. 190; p. 546.
- Moehle Lithographic Company, The, New York, N. Y. "James Weaver." (For Cigars.) No. 17,012; May 13; Gaz. vol. 190; p. 546.
- Moehle Lithographic Company, The, New York, N. Y. "El Arte Cubano." (For Cigars.) No. 17,013; May 13; Gaz. vol. 190; p. 546.
- Moehle Lithographic Company, The, New York, N. Y. "El Importador." (For Cigars.) No. 17,014; May 13; Gaz. vol. 190; p. 546.
- Moehle Lithographic Company, The, New York, N. Y. "El Implicito." (For Cigars.) No. 17,158; Aug. 5; Gaz. vol. 193; p. 218.
- Moehle Lithographic Company, The, New York, N. Y. "Don Abilo." (For Cigars.) No. 17,159; Aug. 5; Gaz. vol. 193; p. 218.
- Moehle Lithographic Company, The, New York, N. Y. "Lucky Tips." (For Cigars.) No. 17,160; Aug. 5; Gaz. vol. 193; p. 218.
- Moehle Lithographic Company, The, New York, N. Y. "Spanish Casino." (For Cigars.) No. 17,161; Aug. 5; Gaz. vol. 193; p. 218.
- Moehle Lithographic Company, The, New York, N. Y. "Double Crown." (For Cigars.) No. 17,162; Aug. 5; Gaz. vol. 193; p. 218.
- Moehle Lithographic Company, The, New York, N. Y. "Lady Love." (For Cigars.) No. 17,163; Aug. 5; Gaz. vol. 193; p. 218.
- Moehle Lithographic Company, The, New York, N. Y. "Flor de Moelico." (For Cigars.) No. 17,164; Aug. 5; Gaz. vol. 193; p. 218.
- Morris Fertilizer Company, Atlanta, Ga. "Supreme Brand Guano." (For Guano.) No. 17,425; Dec. 23; Gaz. vol. 197; p. 996.
- Moscovitz, Adolf, New York, N. Y. "Shuroff's Corn Remedy." (For a Corn Remedy.) No. 16,902; Apr. 1; Gaz. vol. 189; p. 250.
- Mount Holyoke Tissue Mills, Holyoke, Mass. "Royal Japanese Crepe Toilet Paper." (For Toilet-Paper.) No. 17,173; Aug. 12; Gaz. vol. 193; p. 507.
- Mount Holyoke Tissue Mills, Holyoke, Mass. "Crepe Paper Finest Rice Fibre Toilet." (For Toilet-Paper.) No. 17,174; Aug. 12; Gaz. vol. 193; p. 507.
- Mount Holyoke Tissue Mills, Holyoke, Mass. "Ozako Japanese Crepe Toilet Paper." (For Toilet-Paper.) No. 17,175; Aug. 12; Gaz. vol. 193; p. 507.
- Moyer, Walter W., Ephrata, Pa. "Ko-zy." (For Ladies' Undervests.) No. 17,147; July 29; Gaz. vol. 192; p. 1259.
- Naes, L., St. Louis, Mo. "First American." (For Cigars.) No. 17,177; Aug. 12; Gaz. vol. 193; p. 507.
- National Association of Steel and Copper Plate Engravers, The, Louisville, Ky. "Astor Text." (For Stationery.) No. 17,427; Dec. 23; Gaz. vol. 197; p. 996.
- National Chicle Concern, New Orleans, La. "Sweet Magnolia." (For Chewing-Gum.) No. 16,838; Feb. 18; Gaz. vol. 187; p. 827.
- National Chicle Concern, New Orleans, La. "Sweet Magnolia." (For Pepsin Gum.) No. 16,839; Feb. 18; Gaz. vol. 187; p. 827.
- National Cigar Company, Milwaukee, Wis. "El Nacico." (For Cigars.) No. 17,194; Aug. 19; Gaz. vol. 193; p. 752.
- National Enameling & Stamping Company, Baltimore, Md. "Nescoware Kitchen Utensils." (For Sheet-Metal Enamelled Ware.) No. 16,820; Feb. 11; Gaz. vol. 187; p. 511.
- National Gum & Mica Company, New York, N. Y. "Spears." (For Adhesive Paste.) No. 16,753; Jan. 21; Gaz. vol. 186; p. 796.
- National Music Roll Co., St. Johnsville, N. Y. "Hand Played." (For Music-Rolls for Pneumatic Pianos and Similar Musical Instruments.) No. 17,215; Sept. 16; Gaz. vol. 194; p. 743.
- National Music Roll Co., St. Johnsville, N. Y. "Auto-Inscribed." (For Music-Rolls.) No. 17,267; Oct. 7; Gaz. vol. 195; p. 272.
- National Music Roll Co., St. Johnsville, N. Y. "Master Record." (For Music-Rolls.) No. 17,304; Oct. 28; Gaz. vol. 195; p. 1048.
- Neely, Harwell & Co., Nashville, Tenn. "Blue Giant." (For Overalls.) No. 16,990; May 6; Gaz. vol. 190; p. 263.
- Neely, Harwell & Co., Nashville, Tenn. "Victor." (For Shirts.) No. 17,073; June 17; Gaz. vol. 191; p. 829.
- Neptonic Company, San Francisco, Cal. "Nep-Ton-ic." (For Medicinal Preparations.) No. 17,428; Dec. 23; Gaz. vol. 197; p. 996.
- Nevins, Thomas F., New York, N. Y., and Merritt, Fla. "Indian River Fruit from the Nevins' Groves." (For Fruit.) No. 16,821; Feb. 11; Gaz. vol. 187; p. 511.
- Nevins, Thomas F., New York, N. Y., and Merritt, Fla. "Indian River Fruit Red Label Pack." (For Fruit.) No. 16,822; Feb. 11; Gaz. vol. 187; p. 511.
- New Hampshire Spring Water Co., The Weirs, N. H. "Carbonated Laconia Spring Water." (For Spring-Water.) No. 16,953; Apr. 22; Gaz. vol. 189; p. 1030.

Alphabetical list of registrants of labels—Continued.

- New Hampshire Spring Water Co., The Wells, N. H. "LS W Extra Dry Ginger Ale." (For Ginger-Ale.) No. 16,954; Apr. 22; Gaz. vol. 189; p. 1030.
- New Ulm Bottling Works, New Ulm, Minn. "Waxsi-pahti." (For Spring-Water.) No. 17,015; May 13; Gaz. vol. 190; p. 546.
- New York G. & R. Laboratory, The, New York, N. Y. "Aurora Purgative Water." (For Purgative Water.) No. 17,056; June 3; Gaz. vol. 191; p. 290.
- New York Merchandise Company, New York, N. Y. "Perfecta." (For Hair-Nets.) No. 16,841; Feb. 18; Gaz. vol. 187; p. 827.
- Newcomb, J. M., Petersburg, Va. "Bonny Cord Whiskey." (For Whisky.) No. 16,840; Feb. 18; Gaz. vol. 187; p. 827.
- Northwestern Fruit Exchange, Portland, Oreg. "Skookum." (For Apples.) No. 17,429; Dec. 23; Gaz. vol. 197; p. 996.
- Northwestern Needle Company, Minneapolis, Minn. "Threadeasy." (For Needles.) No. 16,979; Apr. 29; Gaz. vol. 189; p. 1280.
- Norton Hardware Company, Fair Haven, Vt. "Fairoid Roofing." (For Roofing.) No. 16,903; Apr. 1; Gaz. vol. 189; p. 250.
- O. C. Orr Baking Company, New Castle, Pa. "Kwality Kakes." (For Cakes.) No. 17,088; June 24; Gaz. vol. 191; p. 1066.
- O. C. Orr Baking Company, New Castle, Pa. "Kream-Flakes." (For Bread.) No. 17,089; June 24; Gaz. vol. 191; p. 1066.
- O'Flaherty Tobacco Co., The, Kansas City, Mo. "Santana." (For Cigars.) No. 17,087; June 24; Gaz. vol. 191; p. 1066.
- Ohio Butterine Co., The, Cincinnati, Ohio. "Blue Ribbon." (For Oleomargarin.) No. 16,980; Apr. 29; Gaz. vol. 189; p. 1280.
- Ottawa Brewing Assn., The, Ottawa, Ill. "Shabbona Brew." (For Beer.) No. 17,178; Aug. 12; Gaz. vol. 193; p. 507.
- P. Gargiulo & Co., New York, N. Y. "Old Lehigh." (For Grape Brandy.) No. 16,929; Apr. 15; Gaz. vol. 189; p. 778.
- Pacific Preserve Co., San Francisco, Cal. "R K P Brand." (For Pickles.) No. 17,268; Oct. 7; Gaz. vol. 195; p. 272.
- Palmer Bros., Bethesda, Ohio. "Spanish Boy." (For Cigars.) No. 17,134; July 22; Gaz. vol. 192; p. 988.
- Panhandle Brewing Co., Coeur d'Alene, Idaho. "Prince of Pilsen." (For Beer.) No. 16,904; Apr. 1; Gaz. vol. 189; p. 250.
- Parcells, Frank V., Kokomo, Ind. "Parcells Post." (For Cigars.) No. 17,104; July 1; Gaz. vol. 192; p. 214.
- Parker, Ralph A., Auburn and Greene, Me. "Glenrock Cold-Spring Mineral Water." (For Mineral Water.) No. 16,981; Apr. 29; Gaz. vol. 189; p. 1280.
- Paroubek, Anton J., Fishkill on the Hudson, N. Y. "A. J. Paroubek's Ristcorset." (For Bandages or Splints for the Wrist or Hand.) No. 17,216; Sept. 16; Gaz. vol. 194; p. 743.
- Pauler-Wagner Co., Chicago, Ill. "Eatmeup." (For Popcorn Cakes.) No. 17,150; July 29; Gaz. vol. 192; p. 1259.
- Peabody, Greenleaf D., Danvers, Mass. "Purity Spring Water." (For Spring-Water.) No. 16,905; Apr. 1; Gaz. vol. 189; p. 250.
- Peck & Co., Samuel W., New York, N. Y. "Britannia English Slip-On Shower-Proof Coat." (For Shower-Proof Coats.) No. 17,218; Sept. 16; Gaz. vol. 194; p. 743.
- Peck & Co., Samuel W., New York, N. Y. "Balmacaan." (For Men's and Young Men's Overcoats and Rain-Coats.) No. 17,269; Oct. 7; Gaz. vol. 195; p. 272.
- Peck Johnson Company, Grand Rapids, Mich. "Castrol-Lax." (For Medicated Confections.) No. 16,823; Feb. 11; Gaz. vol. 187; p. 511.
- Pecora Paint Company, Philadelphia, Pa. "Richardson's Perfect Asbestos Cement." (For Asbestos Furnace-Cement.) No. 16,842; Feb. 18; Gaz. vol. 187; p. 827.
- Pee Chee Cleaner Manufacturing Co., Detroit, Mich. "Pee-Chee White Cleaner." (For a Cleaner.) No. 16,863; Mar. 11; Gaz. vol. 188; p. 511.
- Pee-Chee Cleaner Mfg. Co., Cleveland, Ohio. "Pee-Chee Cleaner For Gold and Silverware." (For a Cleaner.) No. 17,332; Nov. 4; Gaz. vol. 196; p. 273.
- Peerless Manufacturing Company, The, Norristown, Pa. "The Norris." (For Toilet-Paper.) No. 16,843; Feb. 18; Gaz. vol. 187; p. 827.
- Peerless Manufacturing Company, The, Norristown, Pa. "Hygiene Tissue." (For Toilet-Paper.) No. 17,305; Oct. 28; Gaz. vol. 195; p. 1048.
- Pennsylvania Sugar Company, Philadelphia, Pa. "Penn Sugar Quaker Brand." (For Sugar.) No. 17,442; Dec. 30; Gaz. vol. 197; p. 1290.
- Perez, C. M., New York, N. Y. "Orlando Orange Blossoms, Ortiz Perfumes New York." (For Perfumes.) No. 16,982; Apr. 29; Gaz. vol. 189; p. 1280.
- Petri-Italian-American Cigar Co., Inc., San Francisco, Cal. "Royal Arch." (For Cigars.) No. 17,443; Dec. 30; Gaz. vol. 197; p. 1290.
- Phelps Manufacturing Company, Providence, R. I. "Nu-Tan-Fin The Leather Doctor." (For a Liquid Dressing for Use on Leather and Rubber.) No. 17,217; Sept. 16; Gaz. vol. 194; p. 743.
- Phillips, Mary E., Madison, Ill. "The Reliable." (For Insecticides.) No. 17,074; June 17; Gaz. vol. 191; p. 829.
- Pimbley Paint & Glass Co., St. Joseph, Mo. "Pimbley's Auto-Newer." (For a Preparation for Cleaning and Polishing Automobiles.) No. 17,149; July 29; Gaz. vol. 192; p. 1259.
- Pioneer Broom Company, Inc., Amsterdam, N. Y. "Economy Detachable." (For Brooms.) No. 16,889; Mar. 25; Gaz. vol. 188; p. 1050.
- Pioneer Soap Company, San Francisco, Cal. "Holly Brand." (For Soap.) No. 16,919; Apr. 8; Gaz. vol. 189; p. 521.
- Pioneer Soap Company, San Francisco, Cal. "Klean Well Klean Ser." (For a Cleaning-Powder.) No. 16,920; Apr. 8; Gaz. vol. 189; p. 521.
- Pittsburgh Brewing Company, Pittsburgh, Pa. "Iron City." (For Beer.) No. 17,270; Oct. 7; Gaz. vol. 195; p. 272.
- Pittsburgh Brewing Company, Pittsburgh, Pa. "Tech." (For Beer.) No. 17,355; Nov. 18; Gaz. vol. 196; p. 802.
- Platt, Mary E., New York, N. Y. "Platt's Chlorides." (For a Liquid Disinfectant.) No. 17,400; Dec. 9; Gaz. vol. 197; p. 531.
- Potter, Sloan, O'Donohue Co., New York, N. Y. "Our New Drink." (For a Vegetable Compound with Coffee.) No. 17,075; June 17; Gaz. vol. 191; p. 829.
- Potter & Wrightington, Boston, Mass. "Masterpiece Flour." (For Flour.) No. 16,768; Jan. 28; Gaz. vol. 186; p. 985.
- Premier Broom & Brush Co., Amsterdam, N. Y. "Premier." (For Brooms.) No. 17,373; Nov. 25; Gaz. vol. 196; p. 1050.
- Premier Broom & Brush Co., Amsterdam, N. Y. "Ray." (For Brooms.) No. 17,374; Nov. 25; Gaz. vol. 196; p. 1050.
- Premier Broom & Brush Co., Amsterdam, N. Y. "Little Princess." (For Brooms.) No. 17,401; Dec. 9; Gaz. vol. 197; p. 531.
- Premier Broom & Brush Co., Amsterdam, N. Y. "Mo-Go-Co." (For Brooms.) No. 17,402; Dec. 9; Gaz. vol. 197; p. 531.
- Premier Broom & Brush Co., Amsterdam, N. Y. "Mayflower." (For Brooms.) No. 17,403; Dec. 9; Gaz. vol. 197; p. 531.
- Prescott, T. W., Milwaukee, Wis. "Lik-Wood Luster." (For a Polish.) No. 16,824; Feb. 11; Gaz. vol. 187; p. 511.
- Price, Guy E., Campbell, Cal. "Gold Crown Poison For the Destruction of Squirrels, Gophers and Rats." (For Squirrel, Gopher, and Rat Poison.) No. 17,430; Dec. 23; Gaz. vol. 197; p. 996.
- Progressive Co-operative Assn., Boston, Mass. "Progressive Co-operative Coupon." (For Bread.) No. 17,040; May 27; Gaz. vol. 190; p. 1026.
- Purdy, Charles G., Brooklyn, N. Y. "Bios-Grano." (For Bios-Grano.) No. 17,165; Aug. 5; Gaz. vol. 193; p. 218.
- Pure Food Baking Co., Cedar Rapids, Iowa. "Golden Crust." (For Bread.) No. 17,135; July 22; Gaz. vol. 192; p. 988.
- Pure Food Baking Co., Cedar Rapids, Iowa. "Romany Rye." (For Bread.) No. 17,136; July 22; Gaz. vol. 192; p. 988.
- Puritan Candy Co., Milwaukee, Wis. "Dairy Milk Chocolates." (For Chocolates.) No. 16,890; Mar. 25; Gaz. vol. 188; p. 1050.
- Putnam Cigar Company, The, Ottawa, Ohio. "Secula." (For Cigars.) No. 17,076; June 17; Gaz. vol. 191; p. 829.
- R. Naegeli's Sons, Hoboken, N. J. "Pilsner Weltbräu Beer." (For Beer.) No. 17,426; Dec. 23; Gaz. vol. 197; p. 996.
- Raab & Sons, W. H., Dallastown, Pa. "Luxury." (For Cigars.) No. 17,431; Dec. 23; Gaz. vol. 197; p. 996.
- Raab & Sons, W. H., Dallastown, Pa. "Ted & Tess." (For Cigars.) No. 17,432; Dec. 23; Gaz. vol. 197; p. 996.
- Ralston Purina Company, St. Louis, Mo. "Ralston Wheat Food." (For a Cereal Food.) No. 17,166; Aug. 5; Gaz. vol. 193; p. 218.
- Rand, Frank P., Spokane, Wash. "Cornflavor Cereal." (For Cornflavor Cereal.) No. 16,825; Feb. 11; Gaz. vol. 187; p. 511.
- Reed, C. E., Kansas City, Mo. "Reed's Auto-Lusta." (For Automobile-Polish.) No. 17,236; Sept. 23; Gaz. vol. 194; p. 950.
- Reed & Carnrick, Jersey City, N. J. "Indicated In All Forms of Tuberculosis, Phthisis, Scrofula and Tuberculosis of Bones and Joints, Protonuclein Beta." (For Medicines.) No. 16,932; Apr. 15; Gaz. vol. 189; p. 778.
- Reese-Herrin Company, Atlanta, Ga. "'Dunford's' Improved Roof and Bridge Paints." (For Paints.) No. 17,356; Nov. 18; Gaz. vol. 196; p. 802.
- Reeves, J. H., Nashville, Tenn. "Rhinos." (For Water-proof Clothing.) No. 16,826; Feb. 11; Gaz. vol. 187; p. 511.

Alphabetical list of registrants of labels—Continued.

- Reguera & Berengher, New Orleans, La. "Mena." (For Cigars.) No. 17,404; Dec. 9; Gaz. vol. 197; p. 531.
- Reilly, Edward J., Baltimore, Md. "Eddie's Everlasting Black Dye." (For a Liquid Dye.) No. 17,271; Oct. 7; Gaz. vol. 195; p. 272.
- Reitz, Chas. J., Buffalo, N. Y. "Casco." (For Carbon-Remover.) No. 17,434; Dec. 23; Gaz. vol. 197; p. 996.
- Remington Arms and Ammunition Company, Ilion and New York, N. Y. "Remington U M C." (For Rifles.) No. 16,854; Mar. 4; Gaz. vol. 188; p. 241.
- Remington Arms and Ammunition Company, Ilion and New York, N. Y. "Remington U M C." (For Shot-guns.) No. 16,855; Mar. 4; Gaz. vol. 188; p. 241.
- Renter, G. A., Chicago, Ill. "Peanut Brand." (For Peanut-Butter.) No. 17,034; May 20; Gaz. vol. 190; p. 791.
- Revere Rubber Company, Chelsea, Mass., and Providence, R. I. "Spring-Step." (For Rubber Heels.) No. 16,864; Mar. 11; Gaz. vol. 188; p. 511.
- Reynolds, James N., Lindsay, Cal. "Tula." (For Citrus Fruits.) No. 17,357; Nov. 18; Gaz. vol. 196; p. 802.
- Rheinstrom Bros., Cincinnati, Ohio. "Yazoo Brand Ginger and Gin Cordial." (For Cordial.) No. 17,207; Sept. 2; Gaz. vol. 194; p. 272.
- Richard Hudnut, New York, N. Y. "Violet Sec Toilet Water." (For Toilet Water.) No. 17,326; Nov. 4; Gaz. vol. 196; p. 273.
- Richard Hudnut, New York, N. Y. "Crème Violet Sec A Dry Cream For The Skin." (For a Crème Violet Sec.) No. 17,327; Nov. 4; Gaz. vol. 196; p. 273.
- Riepert, Charles J., Pittsfield, Mass. "Riepert's Butter-Milk Bred." (For Bread.) No. 17,306; Oct. 28; Gaz. vol. 195; p. 1048.
- Riverside Milling Co., Clinton, Iowa. "Twin Swan." (For Flour.) No. 16,991; May 6; Gaz. vol. 190; p. 263.
- Robinson, Bessie E. and Q. V., Warrenton, Oreg. "Minced Razor Clams Tillamook Head Brand." (For Canned Clams.) No. 17,333; Nov. 4; Gaz. vol. 196; p. 273.
- Robinson, Quincy V. (See Robinson, Bessie E. and Q. V.)
- Rochester Produce & Commission Co., The, New York, N. Y. "Maplewood Brand." (For Creamery-Butter.) No. 17,203; Sept. 2; Gaz. vol. 194; p. 272.
- Rogers, W. G., Madison, Ind. Rogers' Witch Hazel Cream." (For Toilet Cream.) No. 17,297; Oct. 21; Gaz. vol. 195; p. 816.
- Rosenberg Bros. & Co., San Francisco, Cal. "Sultan Brand." (For Figs.) No. 16,844; Feb. 18; Gaz. vol. 187; p. 827.
- Rosenberg Bros. & Co., San Francisco, Cal. "Apex." (For Raisins.) No. 16,933; Apr. 15; Gaz. vol. 189; p. 778.
- Rosenberg Bros. & Co., San Francisco, Cal. "Ensign." (For Raisins.) No. 17,090; June 24; Gaz. vol. 191; p. 1066.
- Rosenberg Bros. & Co., San Francisco, Cal. "Pyramid Brand." (For Figs.) No. 17,405; Dec. 9; Gaz. vol. 197; p. 531.
- Royal Worcester Corset Co., Worcester, Mass. "Bon Ton The Most Perfect Fitting Corset in the World." (For Corsets.) No. 17,406; Dec. 9; Gaz. vol. 197; p. 531.
- Russell, Hugh C. (See Doern and Russell.)
- Russell, Thomas W., Utica, N. Y. "Milk Maid." (For Bread.) No. 17,334; Nov. 4; Gaz. vol. 196; p. 273.
- Rust, Carl, Frederick, Md. "Table Pride Bread." (For Bread.) No. 17,017; May 13; Gaz. vol. 190; p. 546.
- Rymarczick, G., Rutherford, N. J. "Manufacturer's Guarantee." (For Cloth.) No. 16,983; Apr. 29; Gaz. vol. 189; p. 1280.
- Rymarczick, G., Rutherford, N. J. "Sellers Guarantee." (For Wearing-Apparel.) No. 17,035; May 20; Gaz. vol. 190; p. 791.
- Saginaw Specialty Company, Saginaw, Mich. "El Potvino." (For Cigars.) No. 17,375; Nov. 25; Gaz. vol. 196; p. 1050.
- Salant & Salant, New York, N. Y. "Uncle Sam." (For Shirts.) No. 16,769; Jan. 28; Gaz. vol. 186; p. 985.
- Salant & Salant, New York, N. Y. "King Kole." (For Shirts.) No. 17,077; June 17; Gaz. vol. 191; p. 829.
- Salant & Salant, New York, N. Y. "A C S." (For Shirts.) No. 17,209; Sept. 2; Gaz. vol. 194; p. 272.
- Samuel Chemical Co., The, Cincinnati, Ohio. "Liver & Bowel Tablets Samuel." (For Laxative Tablets.) No. 16,791; Feb. 4; Gaz. vol. 187; p. 230.
- Samuel Chemical Co., The, Cincinnati, Ohio. "Samuel's 'Sako' The Effective Pile Treatment." (For an Ointment.) No. 16,792; Feb. 4; Gaz. vol. 187; p. 230.
- Samuel Sternberg Company, Philadelphia, Pa. "Ask for the Eclipse Shirt with Adjusto Sleeves." (For Shirts.) No. 17,036; May 20; Gaz. vol. 190; p. 791.
- San Marino Growers Packing Association, San Gabriel, Cal. "The Mission Play Brand." (For Oranges.) No. 17,358; Nov. 18; Gaz. vol. 196; p. 802.
- Sangamon Valley Creamery Co., Springfield, Ill. "Sangamon Valley Pure Creamery Butter." (For Butter.) No. 16,755; Jan. 21; Gaz. vol. 186; p. 796.
- Sauquoit Toilet Paper Co. Inc., New Hartford, N. Y. "Korea." (For Toilet-Paper.) No. 16,921; Apr. 8; Gaz. vol. 189; p. 521.
- Sauquoit Toilet Paper Co. Inc., New Hartford, N. Y. "Kioto." (For Toilet-Paper.) No. 16,922; Apr. 8; Gaz. vol. 189; p. 521.
- Sauquoit Toilet Paper Co. Inc., New Hartford, N. Y. "Satsuma." (For Toilet-Paper.) No. 16,923; Apr. 8; Gaz. vol. 189; p. 521.
- Sauquoit Toilet Paper Co. Inc., New Hartford, N. Y. "Japanese." (For Toilet-Paper.) No. 16,924; Apr. 8; Gaz. vol. 189; p. 521.
- Sauquoit Toilet Paper Co., Inc., New Hartford, N. Y. "Devon." (For Toilet-Paper.) No. 16,955; Apr. 22; Gaz. vol. 189; p. 1030.
- Sauquoit Toilet Paper Company, Inc., New Hartford, N. Y. "Gipsy." (For Toilet-Paper.) No. 16,956; Apr. 22; Gaz. vol. 189; p. 1030.
- Sauquoit Toilet Paper Company, Inc., New Hartford, N. Y. "Horse-shoe." (For Toilet-Paper.) No. 16,957; Apr. 22; Gaz. vol. 189; p. 1030.
- Sauquoit Toilet Paper Co., Inc., New Hartford, N. Y. "Old Dutch." (For Toilet-Paper.) No. 16,958; Apr. 22; Gaz. vol. 189; p. 1030.
- Sauquoit Toilet Paper Co., Inc., New Hartford, N. Y. "Caravan." (For Toilet-Paper.) No. 16,992; May 6; Gaz. vol. 190; p. 263.
- Sauquoit Toilet Paper Co., Inc., New Hartford, N. Y. "Bengal." (For Toilet-Paper.) No. 17,020; May 13; Gaz. vol. 190; p. 546.
- Sauquoit Toilet Paper Co., Inc., New Hartford, N. Y. "Mecca." (For Toilet-Paper.) No. 17,123; July 8; Gaz. vol. 192; p. 515.
- Sauquoit Toilet Paper Co., Inc., New Hartford, N. Y. "Sandy Hook." (For Toilet-Paper.) No. 17,180; Aug. 12; Gaz. vol. 193; p. 507.
- Schmidt & Co., New York, N. Y. "El Planco." (For Cigars.) No. 16,959; Apr. 22; Gaz. vol. 189; p. 1030.
- Schmidt & Co., New York, N. Y. "Trading Post." (For Cigars.) No. 17,018; May 13; Gaz. vol. 190; p. 546.
- Schorn & Brower, New York, N. Y. "Schbro." (For Tooth-Powder.) No. 17,019; May 13; Gaz. vol. 190; p. 546.
- Schroeder, Joseph C., St. Louis, Mo. "Schroeder's Tomato Bracer." (For a Nerve Tonic and Invigorator.) No. 17,435; Dec. 23; Gaz. vol. 197; p. 996.
- Schuler & Co., E. H., Scranton, Pa. "Owl Self-Shining Stove Polish." (For Stove-Polish.) No. 17,219; Sept. 16; Gaz. vol. 194; p. 743.
- Schutz, Joseph M., Chicago, Ill. "Sulpho-Carbon." (For Disinfectant Compounds.) No. 17,237; Sept. 23; Gaz. vol. 194; p. 950.
- Schwartz & Gattle, New York, N. Y. "Orador." (For Cigars, Cigarettes, and Cheroots.) No. 17,307; Oct. 28; Gaz. vol. 195; p. 1048.
- Scott Paper Company, Philadelphia, Pa. "Scottissue." (For Toilet-Paper.) No. 16,827; Feb. 11; Gaz. vol. 187; p. 511.
- Scott Paper Company, Philadelphia, Pa. "ScotTissue." (For Toilet-Paper.) No. 16,867; Mar. 11; Gaz. vol. 188; p. 511.
- Scott, William H., Columbia, S. C. "Champion Corn Growers of the World." (For Meal.) No. 16,866; Mar. 11; Gaz. vol. 188; p. 511.
- Seibert, Herman E., St. Paul, Minn. "Seibert Magic Fly Killer." (For an Insecticide.) No. 17,335; Nov. 4; Gaz. vol. 196; p. 273.
- Shadewald, E. W., Toronto, S. D. "Wheat-O." (For Breakfast Food.) No. 17,359; Nov. 18; Gaz. vol. 196; p. 802.
- Shelby Cigar Co., The, Shelby, Ohio. "El Cetus." (For Cigars.) No. 17,272; Oct. 7; Gaz. vol. 195; p. 272.
- Shepard, Jos. C., Wilmington, N. C. "Shepard's House Fly Driver." (For a Preparation for the Extermination of Insects.) No. 17,298; Oct. 21; Gaz. vol. 195; p. 816.
- Sheridan Cigar Co., Chicago, Ill. "Sheridan." (For Cigars.) No. 17,105; July 1; Gaz. vol. 192; p. 214.
- Shermer, Henry, Braddock, Pa. "Edgar Thomson Whiskey." (For Whisky.) No. 17,091; June 24; Gaz. vol. 191; p. 1066.
- Sibrava, Joseph A., Chicago, Ill. "Sultana Fig Chicory Coffee Substitute." (For a Fig-Chicory Coffee Substitute.) No. 17,210; Sept. 2; Gaz. vol. 194; p. 272.
- Sierra Chemical Company, Los Angeles, Cal. "Savex Washing Powder." (For a Washing-Powder.) No. 17,360; Nov. 18; Gaz. vol. 196; p. 802.
- Silverstein, Morris, St. Louis, Mo. "From Factory To Consumer." (For Cigars.) No. 17,181; Aug. 12; Gaz. vol. 193; p. 507.
- Singleton, Samel, Atlanta, Ga. "Big 4 Peanut Products." (For Peanut Products.) No. 17,137; July 22; Gaz. vol. 192; p. 988.
- Sloan, Anna V., Newark, N. J. "The Original Firemen's Brand Cough Syrup." (For a Cough-Syrup.) No. 16,984; Apr. 29; Gaz. vol. 189; p. 1280.
- Sloat Bros. Company, Jacksonville, Fla. "Florangebud." (For Toilet Soap.) No. 17,336; Nov. 4; Gaz. vol. 196; p. 273.
- Smith & Hess, Saginaw, Mich. "Up & Up." (For Cigars.) No. 16,868; Mar. 11; Gaz. vol. 188; p. 511.
- Smith, Leroy W., Minneapolis, Minn. "Herbetta." (For a Concentrated Drink Extract.) No. 16,891; Mar. 25; Gaz. vol. 188; p. 1050.
- Smith, Leroy W., Minneapolis, Minn. "Raz-za." (For a Concentrated Drink Extract.) No. 16,892; Mar. 25; Gaz. vol. 188; p. 1050.

Alphabetical list of registrants of labels—Continued.

- Smith, Leroy W., Minneapolis, Minn. "Cheerana." (For a Concentrated Drink Extract.) No. 16,893; Mar. 25; Gaz. vol. 188; p. 1050.
- Smith's Island Oyster Company, New York, N. Y. "Smith's Island Oyster." (For Oysters.) No. 17,361; Nov. 18; Gaz. vol. 196; p. 802.
- Societe Generale Des Eaux Minerales De Vittel, Vittel, France. "Vittel Grande Sauce." (For a Mineral Water.) No. 17,220; Sept. 16; Gaz. vol. 194; p. 743.
- Societe Generale Des Eaux Minerales De Vittel, Vittel, France. "Vittel Source Salée." (For Mineral Water.) No. 17,407; Dec. 9; Gaz. vol. 197; p. 531.
- Sol Cohn and Company, Nashville, Tenn. "Cream of the Crop." (For Whisky.) No. 17,413; Dec. 23; Gaz. vol. 197; p. 996.
- Sommer, Adolph, Cambridge, Mass. "The Dry Cleaner and Massager Artgum." (For a Composition of Matter Employed for Cleaning and Massaging.) No. 17,138; July 22; Gaz. vol. 192; p. 988.
- Southern California Music Company, Los Angeles, Cal. "Invincible." (For Violin-Strings.) No. 17,041; May 27; Gaz. vol. 190; p. 1026.
- Southern California Music Company, Los Angeles, Cal. "Silver Threads." (For Violin-Strings.) No. 17,042; May 27; Gaz. vol. 190; p. 1026.
- Southern California Music Company, Los Angeles, Cal. "Lignoli." (For Violin-Strings.) No. 17,043; May 27; Gaz. vol. 190; p. 1026.
- Southern Overall Co., The, Baltimore, Md. "For Railroad Men and Mechanics." (For Overalls and Coats.) No. 17,308; Oct. 28; Gaz. vol. 195; p. 1048.
- Square Mint Mfg. Co., Chicago, Ill. "Square-Mint." (For a Confection.) No. 16,756; Jan. 21; Gaz. vol. 186; p. 796.
- Stadeker, Leonard J., Chicago, Ill. "The Saturday Evening Smoke." (For Cigars.) No. 17,238; Sept. 23; Gaz. vol. 194; p. 950.
- Standard Music Roll Company, Orange, N. J. "Temporized Hand-Played Record." (For Hand-Played Records.) No. 16,960; Apr. 22; Gaz. vol. 189; p. 1030.
- Standard Soda Stores Corporation, Richmond, Va. "Standard Sodas." (For Soda.) No. 17,139; July 22; Gaz. vol. 192; p. 988.
- Stark Distillery Co., St. Louis, Mo. "Gasconade Whiskey." (For Whisky.) No. 17,182; Aug. 12; Gaz. vol. 193; p. 507.
- Steiger, George W., New York, N. Y. "Old Rye Whiskey." (For Whisky.) No. 16,828; Feb. 11; Gaz. vol. 187; p. 511.
- Stevens, Lester B., Norfolk, Va. "Doctor Stevens' Rattle Snake Liniment." (For Liniment.) No. 16,757; Jan. 21; Gaz. vol. 186; p. 796.
- Stix, Baer & Fuller Dry Goods Company, St. Louis, Mo. "Dr. A. E. Block Prescription Shoe." (For Shoes.) No. 17,044; May 27; Gaz. vol. 190; p. 1026.
- Storz Brewing Co., Omaha, Nebr. "Old Saxon Bräu." (For Beer.) No. 17,078; June 17; Gaz. vol. 191; p. 829.
- Straschnow, Ralph, New York, N. Y. "Everybody's Vacuum Cleaner." (For Vacuum-Cleaners.) No. 16,758; Jan. 21; Gaz. vol. 186; p. 796.
- Stratton Drug Co., Danville, Va. "Stratton's Liver Life." (For a Compound for Torpid Livers.) No. 17,195; Aug. 19; Gaz. vol. 193; p. 752.
- Strauss Manufacturing Company, New York, N. Y. "Red Racer Aeroplane." (For Toy Aeroplanes.) No. 17,092; June 24; Gaz. vol. 191; p. 1066.
- Strauss Manufacturing Company, New York, N. Y. "American Hunter." (For Games.) No. 17,106; July 1; Gaz. vol. 192; p. 214.
- Sweepo Broom Company, Scranton, Pa. "Sweepo." (For Brooms.) No. 17,221; Sept. 16; Gaz. vol. 194; p. 743.
- Sweet Valley Wine Co., The, Sandusky, Ohio. "Island Queen." (For Wines.) No. 16,856; Mar. 4; Gaz. vol. 188; p. 241.
- Sweet Valley Wine Co., Sandusky, Ohio. "Scuppernong." (For Wines.) No. 16,894; Mar. 25; Gaz. vol. 188; p. 1050.
- Sweet Valley Wine Co., Sandusky, Ohio. "Virginia Belle." (For Wines.) No. 16,895; Mar. 25; Gaz. vol. 188; p. 1050.
- Swiss American Knitting Mills, Grand Rapids, Mich. "Elastic Closed Crotch." (For Underwear.) No. 17,021; May 13; Gaz. vol. 190; p. 546.
- Tacoma Biscuit & Candy Company, Tacoma, Wash. "Roman Meal Biscuit." (For Biscuits.) No. 16,759; Jan. 21; Gaz. vol. 186; p. 796.
- Tampa-Cuba Cigar Company, West Tampa, Fla. "La Flor de Tampa-Cuba." (For Cigars.) No. 16,869; Mar. 11; Gaz. vol. 188; p. 511.
- Tampa-Cuba Cigar Company, West Tampa, Fla. "Ta-Cu." (For Cigars.) No. 16,870; Mar. 11; Gaz. vol. 188; p. 511.
- Tampa-Cuba Cigar Company, West Tampa, Fla. "Tacusco." (For Cigars.) No. 16,871; Mar. 11; Gaz. vol. 188; p. 511.
- Tampa Insurrecto Cigar Co., Tampa, Fla. "Tampa Insurrecto Cigar Co." (For Cigars.) No. 16,926; Apr. 8; Gaz. vol. 189; p. 521.
- Tango Manufacturing Co., New York, N. Y. "Tango." (For Cigars, Cigarettes, and Manufactured Tobacco.) No. 17,124; July 8; Gaz. vol. 192; p. 515.
- Theodore Stewart, New York, N. Y. "Theodore Stewart's Rye Whisky." (For Whisky.) No. 16,985; Apr. 29; Gaz. vol. 189; p. 1280.
- Thieme & Wagner Brewing Co., The, La Fayette, Ind. "The Beer De Luxe." (For Beer.) No. 17,362; Nov. 18; Gaz. vol. 196; p. 802.
- Thomsen Chemical Co., South Baltimore, Md. "Orchard Brand." (For Fungicides and Insecticides.) No. 17,093; June 24; Gaz. vol. 191; p. 1066.
- Transparentine Company, Philadelphia, Pa. "Transparentine." (For a Chemical Preparation for Coating Glass Surfaces to Prevent Water from Adhering.) No. 17,222; Sept. 16; Gaz. vol. 194; p. 743.
- Tump, Adam A., Milwaukee, Wis. "You Need a Biscuit, Why Not Get the Best In." (For a Biscuit.) No. 17,337; Nov. 4; Gaz. vol. 196; p. 273.
- Turner, Edward L. D., Mansfield, Mass. "To the Lady of the House: This is a Free Sample of 'Seven Herbs.'" (For a Medicinal Compound.) No. 17,273; Oct. 7; Gaz. vol. 195; p. 272.
- Tuttle Press Company, The, Appleton, Wis. "Mosaic." (For Crêpe Tissue.) No. 17,363; Nov. 18; Gaz. vol. 196; p. 802.
- Twin City Creamery Co., Champaign, Ill. "Twin City." (For Butter.) No. 16,760; Jan. 21; Gaz. vol. 186; p. 796.
- Uhlmann, Max, Chicago, Ill. "Breakfast Cheese." (For Cheese.) No. 16,793; Feb. 4; Gaz. vol. 187; p. 230.
- Urie, George M., Kansas City, Mo. "Perfection Cedar Oil Duster and Polisher." (For an Oil Duster and Polisher.) No. 17,338; Nov. 4; Gaz. vol. 196; p. 273.
- Utica Carbon & Wax Paper Co., Utica, N. Y. "Its Real Genuine Kno-Blur." (For Carbon-Paper.) No. 17,364; Nov. 18; Gaz. vol. 196; p. 802.
- Van Aken, H. C., Battle Creek, Mich. "Van's Discovery for the Treatment of Warts, Corns and Bunions." (For a Medicine.) No. 17,167; Aug. 5; Gaz. vol. 193; p. 218.
- Van Camp Packing Company, The, Indianapolis, Ind. "Van Camp's Sauer Kraut." (For Sauer-Kraut.) No. 17,022; May 13; Gaz. vol. 190; p. 546.
- Van Camp Packing Company, The, Indianapolis, Ind. "Van Camp's Chicken Soup." (For Soup.) No. 17,094; June 24; Gaz. vol. 191; p. 1066.
- Van Camp Packing Company, The, Indianapolis, Ind. "Van Camp's Hominy." (For Hominy.) No. 17,125; July 8; Gaz. vol. 192; p. 515.
- Van Camp Packing Company, The, Indianapolis, Ind. "Van Camp's Peas." (For Peas.) No. 17,126; July 8; Gaz. vol. 192; p. 515.
- Van Camp Packing Company, The, Indianapolis, Ind. "Van Camp's Red Kidney Beans." (For Beans.) No. 17,140; July 22; Gaz. vol. 192; p. 988.
- Van Camp Packing Company, The, Indianapolis, Ind. "Van Camp's Plain Pork and Beans." (For Pork and Beans.) No. 17,168; Aug. 5; Gaz. vol. 193; p. 218.
- Van Camp Packing Company, The, Indianapolis, Ind. "Van Camp's Tomato Catsup." (For Tomato Catsup.) No. 17,183; Aug. 12; Gaz. vol. 193; p. 507.
- Van Camp Packing Company, The, Indianapolis, Ind. "Van Camp's Chili Con Carne." (For Chili-Con-Carne.) No. 17,203; Aug. 26; Gaz. vol. 193; p. 1015.
- Van Camp Packing Company, The, Indianapolis, Ind. "Van Camp's Sugar Corn." (For Canned Corn.) No. 17,211; Sept. 2; Gaz. vol. 194; p. 272.
- Van Camp Packing Company, The, Indianapolis, Ind. "Van Camp's Golden Pumpkin." (For Canned Pumpkin.) No. 17,212; Sept. 2; Gaz. vol. 194; p. 272.
- Victoria Syrup & Coffee Company, Victoria, Tex. "Island Plantation." (For Syrup.) No. 17,365; Nov. 18; Gaz. vol. 196; p. 802.
- Victoria Syrup & Coffee Company, Victoria, Tex. "O-U Molasses." (For Molasses.) No. 17,408; Dec. 9; Gaz. vol. 197; p. 531.
- Vittucci, John, Seattle, Wash. "Vittucci Virgin Olive Oil." (For Olive-Oil.) No. 16,935; Apr. 15; Gaz. vol. 189; p. 778.
- Voltter, Adolph, New York, N. Y. "Cardinal Liqueur." (For Alcoholic Liquor.) No. 17,023; May 13; Gaz. vol. 190; p. 546.
- Voltter, Adolph, New York, N. Y. "A V." (For Alcoholic Liquors.) No. 17,037; May 20; Gaz. vol. 190; p. 791.
- W. J. Armstrong Company, Waseca, Minn. "Trust Fund." (For Cigars.) No. 16,796; Feb. 11; Gaz. vol. 187; p. 511.
- W. J. Armstrong Company, Waseca, Minn. "Aco." (For Cigars.) No. 16,797; Feb. 11; Gaz. vol. 187; p. 511.
- W. J. Armstrong Company, Waseca, Minn. "Trust Fund." (For Cigars.) No. 17,280; Oct. 21; Gaz. vol. 195; p. 816.
- W. J. White Chicle Co., Niagara Falls, N. Y. "White's Meadowmint Chewing Gum." (For Chewing-Gum.) No. 16,906; Apr. 1; Gaz. vol. 189; p. 250.
- W. J. White Chicle Co., Niagara Falls, N. Y. "White's Whitemint Chewing Gum." (For Chewing-Gum.) No. 16,907; Apr. 1; Gaz. vol. 189; p. 250.
- W. J. White Chicle Co., Niagara Falls, N. Y. "White's Chocolate Pepsin Gum." (For Chewing-Gum.) No. 16,937; Apr. 15; Gaz. vol. 189; p. 778.

Alphabetical list of registrants of labels—Continued.

- Wachtler, Peter, Chicago, Ill. "Prairie State." (For Cigars.) No. 17,366; Nov. 18; Gaz. vol. 196; p. 802.
- Walker, C. N., St. Johnsbury, Vt. "Stamp-O-Linen." (For a Stamping-Ink.) No. 16,845; Feb. 18; Gaz. vol. 187; p. 827.
- Walsdorf, Edward H., New Orleans, La. "Campho-Mentho." (For a Remedy for Skin Diseases.) No. 17,299; Oct. 21; Gaz. vol. 195; p. 816.
- Walter M. Lowney Company, The, Boston, Mass. "Lowney's Assorted Chocolates." (For Chocolates.) No. 17,121; July 8; Gaz. vol. 192; p. 515.
- Weber, E. A. & Otto, Manila, Philippine Islands. "La Flor De Intal." (For Cigars.) No. 17,239; Sept. 23; Gaz. vol. 194; p. 950.
- Weber, E. A. & Otto, Manila, Philippine Islands. "La Flor De Minanga." (For Cigars.) No. 17,240; Sept. 23; Gaz. vol. 194; p. 950.
- Webster-Warnock Chemical Co., Memphis, Tenn. "Old Samoset." (For Whisky.) No. 17,024; May 13; Gaz. vol. 190; p. 546.
- Western Bottling Company, Spokane, Wash. "Mount Spokane." (For Beer.) Nos. 17,339-40; Nov. 4; Gaz. vol. 196; p. 273.
- Western Bottling & Extract Co., Los Angeles, Cal. "Suprema." (For Ginger-Ale.) No. 17,025; May 13; Gaz. vol. 190; p. 546.
- Western Bottling and Packing Company, Boise, Idaho. "Champagne Fizz." (For Celery Tonic.) No. 17,026; May 13; Gaz. vol. 190; p. 546.
- Western Michigan Development Bureau, Traverse City, Mich. "Sunnyripe." (For Apples.) No. 16,872; Mar. 11; Gaz. vol. 188; p. 511.
- Western Michigan Development Bureau, Traverse City, Mich. "Sunnyripe." (For Apples.) No. 16,927; Apr. 8; Gaz. vol. 189; p. 521.
- Wharton, R. L., Baltimore, Md. "Sweet-Heart-Cherry." (For a Beverage.) No. 17,079; June 17; Gaz. vol. 191; p. 829.
- Wheatcroft, Thomas S., New York, N. Y. "Peanuts in Nature's Wrapper." (For Peanuts.) No. 17,241; Sept. 23; Gaz. vol. 194; p. 950.
- White & Wyckoff Mfg. Co., Holyoke, Mass. "Biltmore Linen." (For Stationery.) No. 17,253; Sept. 30; Gaz. vol. 194; p. 1139.
- White & Wyckoff Mfg. Co., Holyoke, Mass. "Alpine Lawn Fine Stationery." (For Stationery.) No. 17,309; Oct. 28; Gaz. vol. 195; p. 1048.
- White & Wyckoff Mfg. Co., Holyoke, Mass. "Riverside Linen Fine Stationery." (For Stationery.) No. 17,310; Oct. 28; Gaz. vol. 195; p. 1048.
- White & Wyckoff Mfg. Co., Holyoke, Mass. "Nonatuck Lawn Fine Stationery." (For Stationery.) No. 17,436; Dec. 23; Gaz. vol. 197; p. 996.
- Wiedmann-St. Louis Cigar Box Company, St. Louis, Mo. "Little Tourist." (For Cigars.) No. 17,254; Sept. 30; Gaz. vol. 194; p. 1139.
- Wiegand, Cris W., Los Angeles, Cal. "Dandy Mirror." (For Mirrors.) No. 17,046; May 27; Gaz. vol. 190; p. 1026.
- William Radam Microbe Killer Company, The, New York, N. Y. "Radam's." (For a Medicinal Preparation.) No. 17,410; Dec. 9; Gaz. vol. 197; p. 531.
- Williams, Frank M., Watertown, N. Y. "Grapefruitola." (For a Beverage.) No. 17,169; Aug. 5; Gaz. vol. 193; p. 218.
- Winona Ice Cream and Butter Company, Winona, Minn. "Best Ever." (For Ice-Cream.) No. 16,938; Apr. 15; Gaz. vol. 189; p. 778.
- Winona Ice Cream and Butter Company, Winona, Minn. "Best Ever." (For Butter.) No. 16,993; May 6; Gaz. vol. 190; p. 263.
- Wise, W. Ellis, Williamsport, Pa. "Health Oil." (For Health-Oil.) No. 17,367; Nov. 18; Gaz. vol. 196; p. 802.
- Wm. Grossman & Co., Milwaukee, Wis. "Bright Spot." (For Coffee.) No. 16,761; Jan. 28; Gaz. vol. 186; p. 985.
- Woeldike, Ben, St. Louis, Mo. "Leaf Tobacco." (For Leaf-Tobacco.) No. 17,437; Dec. 23; Gaz. vol. 197; p. 996.
- Wolfe, Frederick J., Quincy, Mass. "Lixall." (For Piano and Furniture Polish.) No. 17,080; June 17; Gaz. vol. 191; p. 829.
- York, Chauncey F., Detroit, Mich. "Ma-Le-Na Shampoo Soap." (For a Shampoo-Soap.) No. 17,311; Oct. 28; Gaz. vol. 195; p. 1048.
- Young, Wilbur F., Springfield, Mass. "Absorbine, Jr., The Antiseptic Liniment." (For Liniment.) No. 16,794; Feb. 4; Gaz. vol. 187; p. 230.
- Younis & Brother, N. K., Scranton, Pa. "Drink Orienta." (For a Tonic Beverage.) No. 17,141; July 22; Gaz. vol. 192; p. 988.

PRINTS.

- Abbatecola, Sam, New York, N. Y. "Mustard." (For Mustard.) No. 3,212; Mar. 11; Gaz. vol. 188; p. 511.
- American Art Works, The, Coshocton, Ohio. "Falstaff." (For Beer.) No. 3,188; Feb. 4; Gaz. vol. 187; p. 230.
- American Art Works, The, Coshocton, Ohio. "Brook Hill." (For Whisky.) No. 3,306; June 24; Gaz. vol. 191; p. 1066.
- American Drug Co., Washington, D. C. "A-Dru-Co." (For a Corn-Remover.) No. 3,255; May 13; Gaz. vol. 190; p. 546.
- American Lithographic Company, New York, N. Y. "The Black Shells." (For Black Ammunition-Shells.) No. 3,170; Jan. 21; Gaz. vol. 186; p. 796.
- American Sales & Service Co., Harrisburg, Pa. "U-want-a." (For Identification-Service Checks for Trunks and Suitcases.) No. 3,312; July 1; Gaz. vol. 192; p. 214.
- Arguto Oilless Bearing Co., Philadelphia, Pa. "Abandoned." (For Oilless Bearings.) No. 3,414; Nov. 18; Gaz. vol. 196; p. 802.
- Armour and Company, Chicago, Ill. "Girl Carrying The Bottle." (For Grape-Juice.) No. 3,432; Dec. 9; Gaz. vol. 197; p. 532.
- Armour and Company, Chicago, Ill. "Girl Hugging The Bottle." (For Grape-Juice.) No. 3,433; Dec. 9; Gaz. vol. 197; p. 532.
- Armour and Company, Chicago, Ill. "Girl With Bottle On Ice." (For Grape-Juice.) No. 3,434; Dec. 9; Gaz. vol. 197; p. 532.
- Armour and Company, Chicago, Ill. "Girl Taking Bottle Out Of Box." (For Grape-Juice.) No. 3,435; Dec. 9; Gaz. vol. 197; p. 532.
- Armour and Company, Chicago, Ill. "Girl On The Bottle." (For Grape-Juice.) No. 3,436; Dec. 9; Gaz. vol. 197; p. 532.
- Armour and Company, Chicago, Ill. "Girl Carrying Tray." (For Grape-Juice.) No. 3,437; Dec. 9; Gaz. vol. 197; p. 532.
- B. T. Babbitt, Inc., New York, N. Y. "Standard For Over Half A Century." (For Soap and Cleanser.) No. 3,179; Jan. 28; Gaz. vol. 186; p. 985.
- B. V. D. Company, The, New York, N. Y. "B. V. D. Two Piece Suit." (For Athletic Underwear.) No. 3,189; Feb. 4; Gaz. vol. 187; p. 230.
- B. V. D. Company, The, New York, N. Y. "B. V. D. Union Suit." (For Athletic Underwear.) No. 3,190; Feb. 4; Gaz. vol. 187; p. 230.
- B. V. D. Company, The, New York, N. Y. "Gee! I'm Glad I Have On B. V. D." (For Athletic Underwear.) No. 3,313; July 1; Gaz. vol. 192; p. 214.
- B. V. D. Company, The, New York, N. Y. "The Cool One Wears B. V. D. Do You?" (For Athletic Underwear.) No. 3,314; July 1; Gaz. vol. 192; p. 214.
- B. V. D. Company, The, New York, N. Y. "Smile And Feel 'Life's Worth While' in B. V. D." (For Athletic Underwear.) No. 3,315; July 1; Gaz. vol. 192; p. 214.
- B. V. D. Company, The, New York, N. Y. "The Fag-Free 'Fans' Wear B. V. D." (For Athletic Underwear.) No. 3,316; July 1; Gaz. vol. 192; p. 214.
- B. V. D. Company, The, New York, N. Y. "You're 'The Picture of Coolness' in B. V. D." (For Athletic Underwear.) No. 3,317; July 1; Gaz. vol. 192; p. 214.
- B. V. D. Company, The, New York, N. Y. "The Nation On Its Vacation Wears Cool, Comfortable B. V. D." (For Athletic Underwear.) No. 3,331; July 22; Gaz. vol. 192; p. 988.
- Barringer, George W., Lawrence, N. Y. "Day & Night, Auto. Signal. Device." (For Auto Signal Device.) No. 3,292; June 17; Gaz. vol. 191; p. 829.
- Batchelder & Snyder Company, Boston, Mass. "Reading his fate." (For Hams and Bacon.) No. 3,415; Nov. 18; Gaz. vol. 196; p. 802.
- Bauer & Black, Chicago, Ill. "Blue-Jay Corn Plasters." (For Corn-Plasters.) No. 3,361; Aug. 26; Gaz. vol. 193; p. 1015.
- Bauer Chemical Co., The, New York, N. Y. "Formamint." (For Throat-Tablets.) No. 3,444; Dec. 23; Gaz. vol. 197; p. 996.
- Benjamin & Johnes, Newark, N. J. "Bien Jolie Brassieres." (For Brassieres.) No. 3,293; June 17; Gaz. vol. 191; p. 829.
- Bloch Bros. Tobacco Co., The, Wheeling, W. Va. "Mail Pouch." (For Tobacco.) No. 3,180; Jan. 28; Gaz. vol. 186; p. 985.
- Boro Salicine Company, Philadelphia, Pa. "Lax Links." (For Lax Links.) No. 3,230; Apr. 8; Gaz. vol. 189; p. 521.
- Bosch Magneto Company, New York, N. Y. "\$1²² Bosch Plugs." (For Spark-Plugs.) No. 3,272; May 27; Gaz. vol. 190; p. 1026.
- Brooke, Chas. W., Pittsburgh, Pa. "Back to Boller (on arrow)." (For Steam-Traps.) No. 3,171; Jan. 21; Gaz. vol. 186; p. 796.
- Buff & Buff Manufacturing Co., Boston, Mass. "'Buff' Precise Transit." (For Transits.) No. 3,283; June 3; Gaz. vol. 191; p. 290.
- Burkhardt Brewing Company, Boston, Mass. "A Case of Good Taste, Burkhardt's 'The Genuine.'" (For Beer, Ale, and Porter.) No. 3,220; Mar. 25; Gaz. vol. 188; p. 1050.
- Burrow, Jones & Dyer Shoe Co., St. Louis, Mo. "The 'Lady Jefferson' Girl." (For Shoes.) No. 3,242; Apr. 22; Gaz. vol. 189; p. 1030.
- Chas. P. Matthews & Son, Inc., Scranton, Pa. "Mother's Favorite." (For Flour.) No. 3,307; June 24; Gaz. vol. 191; p. 1066.
- Chicago-Kenosha Hosiery Co., Kenosha, Wis. "Black Cat Hosiery." (For Hosiery.) No. 3,231; Apr. 8; Gaz. vol. 189; p. 521.
- Christian & Company, George C., Minneapolis, Minn. "New Century Flour 'Best Ever Milled.'" (For Flour.) No. 3,168; Jan. 7; Gaz. vol. 186; p. 287.
- Cluett, Peabody & Company, Troy, N. Y. "Arrow Collars and Shirts." (For Collars and Shirts.) No. 3,249; May 6; Gaz. vol. 190; p. 263.
- Cluett, Peabody & Company, Troy, N. Y. "La Salle A Light, Deep Pointed Arrow Collar." (For Collars.) No. 3,250; May 6; Gaz. vol. 190; p. 263.
- Cluett, Peabody & Company, Troy, N. Y. "Marley-Devon, Two Heights in the Modish London Cutaway Fronts." (For Collars.) No. 3,251; May 6; Gaz. vol. 190; p. 263.
- Cluett, Peabody & Company, Troy, N. Y. "'Kenmore,' 'Baltic,' 'Devon,' Arrow Collars." (For Collars.) No. 3,252; May 6; Gaz. vol. 190; p. 263.
- Cluett, Peabody & Company, Troy, N. Y. "Arrow Wing Collars with Inserted Tips." (For Collars.) No. 3,256; May 13; Gaz. vol. 190; p. 546.
- Cluett, Peabody & Co., Inc., Troy, N. Y. "Saturday Evening Post." (For Collars and Shirts.) No. 3,428; Nov. 25; Gaz. vol. 196; p. 1050.
- Cluett, Peabody & Co., Inc., Troy, N. Y. "Anoka." (For Collars.) No. 3,438; Dec. 9; Gaz. vol. 197; p. 532.
- Cluett, Peabody & Company, Inc., Troy, N. Y. "Arrow Shirts There is an Arrow Shirt for every indoor and outdoor occasion." (For Shirts.) No. 3,439; Dec. 9; Gaz. vol. 197; p. 532.
- Colgate & Co., Jersey City, N. J., and New York, N. Y. "Colgate's Cashmere Bouquet Talc Powder." (For Talc Powder.) No. 3,257; May 13; Gaz. vol. 190; p. 546.
- Colgate & Co., Jersey City, N. J., and New York, N. Y. "Colgate's Monad Violet Talc." (For Violet Talc.) No. 3,275; May 27; Gaz. vol. 190; p. 1026.
- Colgate & Co., Jersey City, N. J., and New York, N. Y. "Colgate's Dactylis Talc." (For Dactylis Talc.) No. 3,276; May 27; Gaz. vol. 190; p. 1026.
- Colgate & Co., Jersey City, N. J., and New York, N. Y. "Colgate's Éclat Talc." (For Éclat Talc.) No. 3,277; May 27; Gaz. vol. 190; p. 1026.
- Colgate & Co., New York, N. Y. "Thank Colgate & Co." (For Shaving-Powder, Shaving-Stick, and Shaving-Cream.) No. 3,405; Nov. 4; Gaz. vol. 196; p. 273.
- Columbia Mills, Inc., New York, N. Y. "Ready to Hang." (For Curtains.) No. 3,351; Aug. 5; Gaz. vol. 193; p. 218.
- Columbian Rope Co., Auburn, N. Y. "Columbian Rope and Commercial Twines." (For Rope and Commercial Twines.) No. 3,213; Mar. 11; Gaz. vol. 188; p. 511.
- Cornish Co., Washington, N. J. "First Lessons on a Cornish." (For Pianos.) No. 3,200; Feb. 11; Gaz. vol. 187; p. 511.
- Corset H Company, Worcester, Mass. "'Ivy' Corset." (For Corsets.) No. 3,381; Oct. 7; Gaz. vol. 195; p. 272.
- Cream of Wheat Co., Minneapolis, Minn. "What do I care for Snow or Sleet, My tummy is full of Cream o' Wheat." (For Wheat Breakfast Food.) No. 3,205; Feb. 25; Gaz. vol. 187; p. 1114.
- Cream of Wheat Co., Minneapolis, Minn. "A Business Man's Breakfast." (For Wheat Breakfast Food.) No. 3,221; Mar. 25; Gaz. vol. 188; p. 1050.
- Cream of Wheat Co., Minneapolis, Minn. "Breakfast's Ready Li'l Missy." (For Wheat Breakfast Food.) No. 3,222; Mar. 25; Gaz. vol. 188; p. 1050.
- Cream of Wheat Co., Minneapolis, Minn. "Them's my sentiments!" (For Wheat Breakfast Food.) No. 3,232; Apr. 8; Gaz. vol. 189; p. 521.
- Cream of Wheat Co., Minneapolis, Minn. "Playing Hookey." (For Wheat Breakfast Food.) No. 3,258; May 13; Gaz. vol. 190; p. 546.

Alphabetical list of registrants of prints—Continued.

- Cream of Wheat Co., Minneapolis, Minn. "Mary Ann! You can just Wait." (For Wheat Breakfast Food.) No. 3,294; June 17; Gaz. vol. 191; p. 829.
- Cream of Wheat Co., Minneapolis, Minn. "I know a man who is so fat." (For Wheat Breakfast Food.) No. 3,332; July 22; Gaz. vol. 192; p. 988.
- Cream of Wheat Co., Minneapolis, Minn. "Oh! I Done Forgot Dat Cream of Wheat." (For a Wheat Breakfast Food.) No. 3,355; Aug. 12; Gaz. vol. 193; p. 507.
- Cream of Wheat Co., Minneapolis, Minn. "What De' Debil' You-All Laughin' At, Anyhow?" (For Wheat Breakfast Food.) No. 3,367; Sept. 16; Gaz. vol. 194; p. 743.
- Cream of Wheat Co., Minneapolis, Minn. "Our Platform." (For Wheat Breakfast Food.) No. 3,387; Oct. 21; Gaz. vol. 195; p. 816.
- Cream of Wheat Co., Minneapolis, Minn. "Forty Winks." (For Wheat Breakfast Food.) No. 3,445; Dec. 23; Gaz. vol. 197; p. 996.
- D. M. Ferry & Co., Detroit, Mich. "D. M. Ferry & Co's Choice Flower Seeds." (For Flower-Seeds.) No. 3,182; Jan. 28; Gaz. vol. 186; p. 985.
- Daingerfield, E., Lexington, Ky. "Major Daingerfield's Horse Liniment." (For Horse-Liniment.) No. 3,172; Jan. 21; Gaz. vol. 186; p. 796.
- De Laval Separator Company, The, New York, N. Y. "De Laval Cream Separators." (For Cream-Separators.) No. 3,173; Jan. 21; Gaz. vol. 186; p. 796.
- De Schaum, William A., Detroit, Mich. "Tiger." (For Cycle-Cars.) No. 3,382; Oct. 7; Gaz. vol. 195; p. 272.
- Digestit Company, The, Jackson, Miss. "Digestit." (For Medicinal Tablets.) No. 3,318; July 1; Gaz. vol. 192; p. 214.
- Dr. J. H. McLean Medicine Company, The, St. Louis, Mo. "Volcanic Oil Liniment of Dr. J. H. McLean." (For a Liniment.) No. 3,399; Oct. 28; Gaz. vol. 195; p. 1048.
- Dunlop's Sons, Jno., New York, N. Y. "Jno. Dunlop's Sons." (For Organzine, Trams, Floss, &c.) No. 3,323; July 8; Gaz. vol. 192; p. 515.
- Dustbane Mfg. Co., Ipswich, Mass. "Dustbane." (For a Preparation Used in Sweeping.) No. 3,356; Aug. 12; Gaz. vol. 193; p. 507.
- Eastern Electric Lamp Company, Boston, Mass. "A Real Lamp with Real Results." (For Incandescent Electric Lamps.) No. 3,223; Mar. 25; Gaz. vol. 188; p. 1050.
- Ebling Brewing Company, The, New York, N. Y. "Ebling's Extract of Malt & Hops—"A Life Preserver." No. 3,357; Aug. 12; Gaz. vol. 193; p. 507.
- Eckerson Company, Jersey City, N. J. "'Gold Coin' Creamery." (For Oleomargarin.) No. 3,416; Nov. 18; Gaz. vol. 196; p. 802.
- Emil Grossman Company, New York, N. Y. "Red Head." (For Spark-Plugs.) No. 3,324; July 8; Gaz. vol. 192; p. 515.
- Fibel, D. de Lara, Philadelphia, Pa. "Old Stock Brew Ginger Ale." (For Ginger-Ale.) No. 3,183; Jan. 28; Gaz. vol. 186; p. 985.
- Fibro Motor Supply Co., Florence, Ky. "Fibro Restrains The Air Stops Tire Care." (For a Preparation for Restraining Air in Pneumatic Tires.) No. 3,244; Apr. 29; Gaz. vol. 189; p. 1280.
- Fleischmann Company, The, Cincinnati, Ohio, and New York, N. Y. "Give the Children More Bread." (For Bread and Yeast.) No. 3,191; Feb. 4; Gaz. vol. 187; p. 230.
- Fleischmann Company, The, Cincinnati, Ohio, and New York, N. Y. "The Universal Food." (For Bread and Yeast.) No. 3,192; Feb. 4; Gaz. vol. 187; p. 230.
- Fleischmann Company, The, Cincinnati, Ohio, and New York, N. Y. "Meat Potatoes Bread." (For Bread and Yeast.) No. 3,193; Feb. 4; Gaz. vol. 187; p. 230.
- Fleischmann Company, The, Cincinnati, Ohio, and New York, N. Y. "The best of all 'Breakfast Foods' is Bread." (For Bread and Yeast.) No. 3,194; Feb. 4; Gaz. vol. 187; p. 230.
- Fleischmann Company, The, Cincinnati, Ohio, and New York, N. Y. "No other food so good for you as Bread Eat More of It! The best is made with Fleischmann's Yeast." (For Bread and Yeast.) No. 3,224; Mar. 25; Gaz. vol. 188; p. 1050.
- Fleischmann Company, The, Cincinnati, Ohio, and New York, N. Y. "This is John Dough, We've Employed Him to Teach People to Eat More Bread." (For Bread and Yeast.) No. 3,225; Mar. 25; Gaz. vol. 188; p. 1050.
- Fleischmann Company, The, Cincinnati, Ohio, and New York, N. Y. "The World Goes Round." (For Bread and Yeast.) No. 3,262; May 20; Gaz. vol. 190; p. 791.
- Fleischmann Company, The, Cincinnati, Ohio, and New York, N. Y. "The 'Lightest' Food." (For Bread and Yeast.) No. 3,263; May 20; Gaz. vol. 190; p. 791.
- Fleischmann Company, The, Cincinnati, Ohio, and New York, N. Y. "Don't Outgrow the Bread and Milk Habit." (For Bread and Yeast.) No. 3,264; May 20; Gaz. vol. 190; p. 791.
- Fleischmann Company, The, Cincinnati, Ohio, and New York, N. Y. "Fifty Ways to Use Bread." (For Bread and Yeast.) No. 3,265; May 20; Gaz. vol. 190; p. 791.
- Fleischmann Company, The, Cincinnati, Ohio, and New York, N. Y. "In Bread There is Strength." (For Bread and Yeast.) No. 3,266; May 20; Gaz. vol. 190; p. 791.
- Fleischmann Company, The, Cincinnati, Ohio, and New York, N. Y. "The 'Health Food' for Children." (For Bread and Yeast.) No. 3,267; May 20; Gaz. vol. 190; p. 791.
- Fleischmann Company, The, Cincinnati, Ohio, and New York, N. Y. "Raising the Standard." (For Bread and Yeast.) No. 3,268; May 20; Gaz. vol. 190; p. 791.
- Fleischmann Company, The, Cincinnati, Ohio, and New York, N. Y. "Bread is King." (For Bread and Yeast.) No. 3,269; May 20; Gaz. vol. 190; p. 791.
- Fleischmann Company, The, Cincinnati, Ohio, and New York, N. Y. "The Harvest of Health." (For Bread and Yeast.) No. 3,270; May 20; Gaz. vol. 190; p. 791.
- Fleischmann Company, The, Cincinnati, Ohio, and New York, N. Y. "Eat more Bread." (For Bread and Yeast.) No. 3,295; June 17; Gaz. vol. 191; p. 829.
- Fleischmann Company, The, Cincinnati, Ohio, and New York, N. Y. "Good Bakers." (For Bread and Yeast.) No. 3,296; June 17; Gaz. vol. 191; p. 829.
- Fleischmann Company, The, Cincinnati, Ohio, and New York, N. Y. "Eat Bread Made with Fleischmann's Yeast." (For Bread and Yeast.) No. 3,297; June 17; Gaz. vol. 191; p. 829.
- Fleischmann Company, The, Cincinnati, Ohio, and New York, N. Y. "What is the Best food?" (For Bread and Yeast.) No. 3,298; June 17; Gaz. vol. 191; p. 829.
- Fleischmann Company, The, Cincinnati, Ohio, and New York, N. Y. "He's a good Baker." (For Bread and Yeast.) No. 3,299; June 17; Gaz. vol. 191; p. 829.
- Fleischmann Company, The, Cincinnati, Ohio, and New York, N. Y. "Good Things To Eat." (For Bread and Yeast.) No. 3,300; June 17; Gaz. vol. 191; p. 829.
- Fleischmann Company, The, Cincinnati, Ohio, and New York, N. Y. "More Bread—Less Meat." (For Bread and Yeast.) No. 3,301; June 17; Gaz. vol. 191; p. 829.
- Fleischmann Company, The, Cincinnati, Ohio, and New York, N. Y. "The Working Man's Friend." (For Bread and Yeast.) No. 3,393; Oct. 28; Gaz. vol. 195; p. 1048.
- Fleischmann Company, The, Cincinnati, Ohio, and New York, N. Y. "Eat Bread—more Bread." (For Bread and Yeast.) No. 3,394; Oct. 28; Gaz. vol. 195; p. 1048.
- Fleischmann Company, The, Cincinnati, Ohio, and New York, N. Y. "Your Bread Basket." (For Bread and Yeast.) No. 3,395; Oct. 28; Gaz. vol. 195; p. 1048.
- Fleischmann Company, The, Cincinnati, Ohio, and New York, N. Y. "Healthy Children." (For Bread and Yeast.) No. 3,396; Oct. 28; Gaz. vol. 195; p. 1048.
- Fleischmann Company, The, Cincinnati, Ohio, and New York, N. Y. "Eat Bread Made With Fleischmann's Yeast." (For Bread and Yeast.) No. 3,417; Nov. 18; Gaz. vol. 196; p. 802.
- Fleischmann Company, The, Cincinnati, Ohio, and New York, N. Y. "Whatever the effect." (For Bread and Yeast.) No. 3,418; Nov. 18; Gaz. vol. 196; p. 802.
- Fredk. Viotor & Achelis, New York, N. Y. "Best Hosiery." (For Hosiery.) No. 3,243; Apr. 22; Gaz. vol. 189; p. 1030.
- G. H. Hammond Co., The, Chicago, Ill. "Hammond's Mistletoe Butterine." (For Butterin.) No. 3,195; Feb. 4; Gaz. vol. 187; p. 230.
- General Electric Company, Schenectady, N. Y. "Blotter 134." (For Mazda Lamps.) No. 3,206; Feb. 25; Gaz. vol. 187; p. 1114.
- General Electric Company, Schenectady, N. Y. "Blotter 136." (For Mazda Lamps.) No. 3,207; Feb. 25; Gaz. vol. 187; p. 1114.
- General Electric Company, Schenectady, N. Y. "Blotter 137." (For Mazda Lamps.) No. 3,208; Feb. 25; Gaz. vol. 187; p. 1114.
- General Electric Company, Schenectady, N. Y. "Mother Earth's Adopted 'Sun.'" (For Incandescent Lamps.) No. 3,388; Oct. 21; Gaz. vol. 195; p. 816.
- George Frost Company, Boston, Mass. "Everywoman." (For Hose-Supporters.) No. 3,419; Nov. 18; Gaz. vol. 196; p. 802.
- Glover, H. Clay, New York, N. Y. "Glover's Dog Remedies." (For Dog Remedies.) No. 3,333; July 22; Gaz. vol. 192; p. 988.
- H. Clarke & Sons Inc., Richmond, Va. "Clarke's Old Tar Heel Corn Whiskey." (For Tar Heel Corn Whisky.) No. 3,321; July 8; Gaz. vol. 192; p. 515.
- Hall & Ruckel (Inc.), New York, N. Y. "Sozodont." (For a Dentifrice.) No. 3,184; Jan. 28; Gaz. vol. 186; p. 985.
- Harris, Abraham W., Providence, R. I. "Providence 200 Miles." (For Oils.) No. 3,227; Mar. 25; Gaz. vol. 188; p. 1050.
- Harris, Abraham W., Providence, R. I. "Garage 1 M." (For Oils.) No. 3,302; June 17; Gaz. vol. 191; p. 829.
- Hayes Lithographing Company, Buffalo, N. Y. "Deering." (For Harvesting-Machines.) No. 3,209; Feb. 25; Gaz. vol. 187; p. 1114.
- Henry A. Dix & Sons Company, New York, N. Y. "Dix-Make." (For Nurses' and Housemaids' Garments.) No. 3,322; July 8; Gaz. vol. 192; p. 515.
- Hill, L. C., Bethesda, Md. "L. C. Hill Economic Garment Holder." (For Garment-Holders.) No. 3,169; Jan. 14; Gaz. vol. 186; p. 555.

Alphabetical list of registrants of prints—Continued.

- Hocking Valley Products Company, Columbus, Ohio. "Greendale 'Red-Rug.'" (For Bricks.) No. 3,389; Oct. 21; Gaz. vol. 195; p. 816.
- Hocking Valley Products Company, Columbus, Ohio. "Greendale 'Rug.'" (For Bricks.) No. 3,390; Oct. 21; Gaz. vol. 195; p. 816.
- Icy Hot Bottle Company, The, Cincinnati, Ohio. "Icy-Hot Bottles and Carafes." (For Heat-Insulated Bottles and Carafes.) No. 3,397; Oct. 28; Gaz. vol. 195; p. 1048.
- International Silver Company, Meriden, Conn. "1847 Rogers Bros." (For Silverware.) No. 3,325; July 8; Gaz. vol. 192; p. 515.
- Interwoven Stocking Company, New Brunswick, N. J. "Christmas Hopes." (For Hosiery.) No. 3,196; Feb. 4; Gaz. vol. 187; p. 230.
- Interwoven Stocking Company, New Brunswick, N. J. "Inter woven Socks." (For Socks.) No. 3,352; Aug. 5; Gaz. vol. 193; p. 218.
- Interwoven Stocking Company, New Brunswick, N. J. "On the Run." (For Hosiery.) No. 3,446; Dec. 23; Gaz. vol. 197; p. 996.
- Interwoven Stocking Company, New Brunswick, N. J. "Putting on Socks." (For Hosiery.) No. 3,447; Dec. 23; Gaz. vol. 197; p. 996.
- Interwoven Stocking Company, New Brunswick, N. J. "Sitting Down." (For Hosiery.) No. 3,448; Dec. 23; Gaz. vol. 197; p. 996.
- J. A. Ross & Co., Chicago, Ill. "Concrete Block Catch Basins." (For Concrete-Block Catch-Basins.) No. 3,240; Apr. 15; Gaz. vol. 189; p. 778.
- J. M. Chanut & Cie., Inc., New York, N. Y. "Washanew Glacé Kid Gloves." (For Gloves.) No. 3,274; May 27; Gaz. vol. 190; p. 1026.
- Joseph Campbell Company, Camden, N. J. "Campbell's Soup." (For Soups.) Nos. 3,284-9; June 3; Gaz. vol. 191; p. 290.
- Joseph Campbell Company, Camden, N. J. "Campbell's Soups." (For Soups.) Nos. 3,344-9; July 29; Gaz. vol. 192; p. 1259.
- Julius Kayser & Co., New York, N. Y. "'Kayser' Leatherette Gloves." (For Gloves.) Nos. 3,383-4; Oct. 7; Gaz. vol. 195; p. 272.
- Kelly-Springfield Tire Co., New York, N. Y. "Kelly-Springfield Tires 'Made To Make Good.'" (For Rubber Tires.) No. 3,214; Mar. 11; Gaz. vol. 188; p. 511.
- Kemp, William W., Baltimore, Md. "The Climax Anti Freezing Hopper." (For Hoppers for Water-Closets.) No. 3,303; June 17; Gaz. vol. 191; p. 829.
- Klar, Adolph, New York, N. Y. "'Hold-Tight' No. 43. Self Adjustable." (For Hair-Nets.) No. 3,420; Nov. 18; Gaz. vol. 196; p. 802.
- Klein & Bro., E., Cincinnati, Ohio. "You Can't Pull Them Off, Euhold." (For Eyeglasses.) No. 3,245; Apr. 29; Gaz. vol. 189; p. 1280.
- Korne, G. Ross, Newark, Ohio. "The Game of Song and Story." (For Games.) No. 3,440; Dec. 9; Gaz. vol. 197; p. 532.
- Kurtis, Isaac M., New York, N. Y. "On to Stay." (For Eyeglasses.) No. 3,406; Nov. 4; Gaz. vol. 196; p. 273.
- Land, Robert A., Stringer, Miss. "Wewa." (For Washing-Powders.) No. 3,215; Mar. 11; Gaz. vol. 188; p. 511.
- Lang, Fred N., Bayfield, Wis. "Ka-Nu Corn Cure." (For Corn-Plasters.) No. 3,398; Oct. 28; Gaz. vol. 195; p. 1048.
- Lange, Theodore, Springfield, Mass. "The Barr Baking & Catering Co., Ice Cream and Pastry. Catering at any distance." (For Ice-Cream and Pastry.) No. 3,278; May 27; Gaz. vol. 190; p. 1026.
- Lawson Manufacturing Co., Chicago, Ill. "Who can beat them?" (For Hinges.) No. 3,449; Dec. 23; Gaz. vol. 197; p. 996.
- Locklayer, R. P., Nashville, Tenn. "Dandergone." (For a Hair-Tonic.) No. 3,271; May 20; Gaz. vol. 190; p. 791.
- Long, W. E., Chicago, Ill. "Kleen Maid Bread." (For Bread.) No. 3,353; Aug. 5; Gaz. vol. 193; p. 218.
- Maysville Syrup Company, Maysville, Ky. "Mint Cola." (For a Beverage.) No. 3,238; Apr. 15; Gaz. vol. 189; p. 778.
- Mink, Morris, Philadelphia, Pa. "Guarantee." (For Cigars.) No. 3,374; Sept. 23; Gaz. vol. 194; p. 950.
- National Indicator Company, New York, N. Y. "Beat It." (For Mixing-Machines.) No. 3,174; Jan. 21; Gaz. vol. 186; p. 796.
- New Columbia Shirt Co., New York, N. Y. "'Columbia' Cufturn Shirt." (For Shirts.) No. 3,253; May 6; Gaz. vol. 190; p. 263.
- New Departure Manufacturing Company, The, Bristol, Conn. "New Departure." (For Coaster-Brakes and Bells.) No. 3,228; Mar. 25; Gaz. vol. 188; p. 1050.
- O'Brien, William M., Salt Lake City, Utah. "The Only Key Ring." (For Key-Rings.) No. 3,358; Aug. 12; Gaz. vol. 193; p. 507.
- O'Malley, Ira J., Chicago, Ill. "The Submarine Water Heater." (For Water-Heaters.) No. 3,233; Apr. 8; Gaz. vol. 189; p. 521.
- Old Ben Mining Corporation, Chicago, Ill. "Old Ben Spiralized Coal." (For Coal.) No. 3,457; Dec. 30; Gaz. vol. 197; p. 1290.
- Owen M. Bruner Company, Philadelphia, Pa. "Maraschino White Pine From Idaho." (For White-Pine Lumber.) No. 3,273; May 27; Gaz. vol. 190; p. 1026.
- Paulson, John D., Saratoga, Wyo. "Paulson Medicinal Well Co." (For a Mineral Water.) No. 3,334; July 22; Gaz. vol. 192; p. 988.
- Peet Bros., Philadelphia, Pa. "Best Fitting Gowns are Fastened with Peet's." (For Hooks and Eyes.) No. 3,359; Aug. 12; Gaz. vol. 193; p. 507.
- Pepsi-Cola Company, The, Newbern, N. C. "Drink Pepsi-Cola." (For Pepsi-Cola.) No. 3,216; Mar. 11; Gaz. vol. 188; p. 511.
- Peter Schoenhofen Brewing Company, The, Chicago, Ill. "Phone For A Case To Be Sent To Your Place." (For Beer.) No. 3,368; Sept. 16; Gaz. vol. 194; p. 743.
- Peter Schoenhofen Brewing Company, The, Chicago, Ill. "For a home surprise—send a case of Edelweiss." (For Beer.) No. 3,369; Sept. 16; Gaz. vol. 194; p. 743.
- Peter Schoenhofen Brewing Company, The, Chicago, Ill. "The Brewery will speed it wherever you need it." (For Beer.) No. 3,370; Sept. 16; Gaz. vol. 194; p. 743.
- Peter Schoenhofen Brewing Company, The, Chicago, Ill. "Here's the Case—You be the Judge." (For Beer.) No. 3,371; Sept. 16; Gaz. vol. 194; p. 743.
- Peter Schoenhofen Brewing Company, The, Chicago, Ill. "Phone before Eleven—Delivered before Seven." (For Beer.) No. 3,377; Sept. 30; Gaz. vol. 194; p. 1139.
- Peter Schoenhofen Brewing Company, The, Chicago, Ill. "Famed 'Edelweiss' is brewed at home Why from Chicago should you roam." (For Beer.) No. 3,378; Sept. 30; Gaz. vol. 194; p. 1139.
- Peter Schoenhofen Brewing Company, The, Chicago, Ill. "Delicious Satisfaction is an Edelweiss Attraction." (For Beer.) No. 3,379; Sept. 30; Gaz. vol. 194; p. 1139.
- Pierce Co., C. E., San Francisco, Cal. "Pierce's Brand California Tunny." (For Canned Fish.) No. 3,335; July 22; Gaz. vol. 192; p. 988.
- Pittsburgh Hickson Company, East Butler, Pa. "Better than a Promise." (For Brass Beds.) No. 3,279; May 27; Gaz. vol. 190; p. 1026.
- Pittsburgh-Hickson Company, East Butler, Pa. "Hicksite-Finished. Insured-Brass." (For Brass Beds.) No. 3,308; June 24; Gaz. vol. 191; p. 1066.
- Portage Rubber Co., The, Barberton, Ohio. "Sign of Efficiency." (For Tires.) No. 3,366; Sept. 2; Gaz. vol. 194; p. 272.
- Powells, New York, N. Y. "Rosilla Paste." (For Candy.) No. 3,280; May 27; Gaz. vol. 190; p. 1026.
- President Shirt Co., Baltimore, Md. "The President Union Shirt Suit." (For Union Suits.) No. 3,385; Oct. 7; Gaz. vol. 195; p. 272.
- Priegel, Plato, St. Louis, Mo. "Priegel's Square Bread." (For Bread.) No. 3,246; Apr. 29; Gaz. vol. 189; p. 1280.
- R. J. Reynolds Tobacco Company, Winston-Salem, N. C. "Brown's Mule Chewing Tobacco Big Cut 5¢ The Chew for You." (For Chewing-Tobacco.) No. 3,247; Apr. 29; Gaz. vol. 189; p. 1280.
- R. J. Reynolds Tobacco Company, Winston-Salem, N. C. "Get the Flavor of the Juicy Fruit." (For Chewing-Tobacco.) No. 3,248; Apr. 29; Gaz. vol. 189; p. 1280.
- R. J. Reynolds Tobacco Company, Winston-Salem, N. C. "Prince Albert—The National Joy Smoke—Makes a hit with a Pipe." (For Smoking-Tobacco.) No. 3,290; June 3; Gaz. vol. 191; p. 290.
- R. J. Reynolds Tobacco Company, Winston-Salem, N. C. "Like the Juicy Fruit." (For Chewing-Tobacco.) No. 3,304; June 17; Gaz. vol. 191; p. 829.
- R. J. Reynolds Tobacco Company, Winston-Salem, N. C. "Kicking for Brown's Mule." (For Chewing-Tobacco.) No. 3,305; June 17; Gaz. vol. 191; p. 829.
- R. J. Reynolds Tobacco Company, Winston-Salem, N. C. "Prince Albert—the national joy smoke—Kicks a pipe or cigarette grouch out of your system." (For Smoking-Tobacco.) No. 3,319; July 1; Gaz. vol. 192; p. 214.
- R. J. Reynolds Tobacco Company, Winston-Salem, N. C. "The Real Goods Apple Sun-Cured." (For Chewing-Tobacco.) No. 3,326; July 8; Gaz. vol. 192; p. 515.
- R. J. Reynolds Tobacco Company, Winston-Salem, N. C. "Always give me Brown's Mule." (For Chewing-Tobacco.) No. 3,327; July 8; Gaz. vol. 192; p. 515.
- R. J. Reynolds Tobacco Company, Winston-Salem, N. C. "Bulliest pipe and cigarette tobacco you ever put a match to." (For Prince Albert the National Joy Smoke.) No. 3,336; July 22; Gaz. vol. 192; p. 988.
- R. J. Reynolds Tobacco Company, Winston-Salem, N. C. "It makes a laugh." (For Chewing-Tobacco.) No. 3,337; July 22; Gaz. vol. 192; p. 988.
- R. J. Reynolds Tobacco Company, Winston-Salem, N. C. "Chewed by fans and players." (For Chewing-Tobacco.) No. 3,338; July 22; Gaz. vol. 192; p. 988.
- R. J. Reynolds Tobacco Company, Winston-Salem, N. C. "Taste the Flavor." (For Chewing-Tobacco.) No. 3,364; Sept. 2; Gaz. vol. 194; p. 272.
- R. J. Reynolds Tobacco Company, Winston-Salem, N. C. "A Run-away Race." (For Chewing-Tobacco.) No. 3,365; Sept. 2; Gaz. vol. 194; p. 272.

- R. J. Reynolds Tobacco Company, Winston-Salem, N. C. "After another Cut of Brown's Mule." (For Chewing-Tobacco.) No. 3,375; Sept. 23; Gaz. vol. 194; p. 950.
- R. J. Reynolds Tobacco Company, Winston-Salem, N. C. "Here's the Real Joy Makin's." (For Smoking-Tobacco.) No. 3,376; Sept. 23; Gaz. vol. 194; p. 950.
- R. J. Reynolds Tobacco Company, Winston-Salem, N. C. "Tobacco that answers every question." (For Smoking-Tobacco.) No. 3,386; Oct. 7; Gaz. vol. 195; p. 272.
- R. J. Reynolds Tobacco Company, Winston-Salem, N. C. "Soft and Sweet." (For Chewing-Tobacco.) No. 3,391; Oct. 21; Gaz. vol. 195; p. 816.
- R. J. Reynolds Tobacco Company, Winston-Salem, N. C. "Brown's Mule Chewing Tobacco—Big Cut 5¢." (For Chewing-Tobacco.) No. 3,392; Oct. 21; Gaz. vol. 195; p. 816.
- R. J. Reynolds Tobacco Company, Winston-Salem, N. C. "Prince Albert makes a hit with every man—pipe and cigarette." (For Smoking-Tobacco.) No. 3,421; Nov. 18; Gaz. vol. 196; p. 802.
- R. J. Reynolds Tobacco Company, Winston-Salem, N. C. "The Cheer-up Chew Brown's Mule Tobacco." (For Chewing-Tobacco.) No. 3,422; Nov. 18; Gaz. vol. 196; p. 802.
- R. J. Reynolds Tobacco Company, Winston-Salem, N. C. "He does not chew Brown's Mule." (For Chewing-Tobacco.) No. 3,451; Dec. 23; Gaz. vol. 197; p. 996.
- R. P. Smith & Sons Co., Chicago, Ill. "Solid Service Shoes." (For Shoes.) No. 3,372; Sept. 16; Gaz. vol. 194; p. 743.
- R. & S. Mfg. Co., Chicago, Ill. "Auto-Take." (For a Self-Picture-Taking Device.) No. 3,175; Jan. 21; Gaz. vol. 186; p. 796.
- Reilly, Edward J., Baltimore, Md. "Eddie's Everlasting Black Dye." (For Dye.) No. 3,176; Jan. 21; Gaz. vol. 186; p. 796.
- Reilly, Edward J., Baltimore, Md. "Reilly's Shoe Polishes." (For Shoe-Polishes.) No. 3,177; Jan. 21; Gaz. vol. 186; p. 796.
- Remington Arms-Union Metallic Cartridge Co., New York, N. Y. "A Bird In Every Shell." (For Guns and Ammunition.) No. 3,443; Dec. 16; Gaz. vol. 197; p. 778.
- Republic Rubber Co., The, Youngstown, Ohio. "It Begins To Look Like We'er Back Numbers, Billy." (For Automobile-Tires.) No. 3,210; Feb. 25; Gaz. vol. 187; p. 1114.
- Revere Rubber Co., Providence, R. I. "Spring-Step Rubber Heels." (For Rubber Heels.) No. 3,281; May 27; Gaz. vol. 190; p. 1026.
- Riepert, Charles J., Pittsfield, Mass. "Riepert's Butter-Milk Bred." (For Bread.) No. 3,401; Oct. 28; Gaz. vol. 195; p. 1048.
- Rigling, William, Hamilton, Ohio. "Egg Tester Dr." (For an Egg-Tester.) No. 3,402; Oct. 28; Gaz. vol. 195; p. 1048.
- Rigling, William, Hamilton, Ohio. "The Grocers' & Customers' Detective." (For an Egg-Tester.) No. 3,403; Oct. 28; Gaz. vol. 195; p. 1048.
- Rigling, William, Hamilton, Ohio. "I don't want the Balance." (For an Egg-Tester.) No. 3,404; Oct. 28; Gaz. vol. 195; p. 1048.
- Rigling, William, Hamilton, Ohio. "Run 'em out of Town." (For Egg-Testers.) No. 3,429; Nov. 25; Gaz. vol. 196; p. 1050.
- Rigling, William, Hamilton, Ohio. "Two Bad Eggs." (For Egg-Testers.) No. 3,430; Nov. 25; Gaz. vol. 196; p. 1050.
- Rosenblatt Co., San Francisco, Cal. "California Blair." (For an Alcoholic Beverage.) No. 3,310; June 24; Gaz. vol. 191; p. 1066.
- Rosenfeld & Co., E., Baltimore, Md. "The Cozy-Dozy's." (For Pajamas and Night-Shirts.) No. 3,239; Apr. 15; Gaz. vol. 189; p. 778.
- Rumford Chemical Works, Providence, R. I. "Rumford 'The Wholesome' Baking Powder." (For Baking-Powder.) No. 3,441; Dec. 9; Gaz. vol. 197; p. 532.
- Russell, Thomas W., Utica, N. Y. "Milk Maid." (For Bread.) No. 3,407; Nov. 4; Gaz. vol. 196; p. 273.
- Rust, Carl, Frederick, Md. "Table-Pride." (For Bread.) No. 3,291; June 3; Gaz. vol. 191; p. 290.
- S. Dalsimer & Sons, Philadelphia, Pa. "Nurse's Negligee." (For Shoes.) No. 3,181; Jan. 28; Gaz. vol. 186; p. 985.
- S. Dalsimer & Sons Inc., Philadelphia, Pa. "Pe-Dom-Ic." (For Shoes.) No. 3,201; Feb. 1; Gaz. vol. 187; p. 511.
- S. H. Robison Co., Philadelphia, Pa. "Newton Coal." (For Coal.) No. 3,309; June 24; Gaz. vol. 191; p. 1066.
- S. H. Robison Co., Philadelphia, Pa. "Julep Mints." (For Julep Mints.) No. 3,452; Dec. 23; Gaz. vol. 197; p. 996.
- Schandin & Lind Co., Philadelphia, Pa. "Garwood's Violet Breath Hearts." (For Perfumed Candy Tablets.) No. 3,254; May 6; Gaz. vol. 190; p. 263.
- Schlichting, Albert T., Newark, N. J. "A. T. Schlichting Glassware." (For Glassware.) Nos. 3,453-4; Dec. 23; Gaz. vol. 197; p. 996.
- Schwab Clothing Company, St. Louis, Mo. "Get in the well-dressed Circle." (For Clothing.) No. 3,362; Aug. 26; Gaz. vol. 193; p. 1015.
- Scott Paper Co., Philadelphia, Pa. "Scottissue." (For Towels, Table-Covers, and Diapers, All Made of Paper, and Toilet-Paper.) No. 3,423; Nov. 18; Gaz. vol. 196; p. 802.
- Seneca Camera Manufacturing Company, Rochester, N. Y. "Seneca Cameras." (For Seneca Cameras, for Plates, Film-Pack, Roll-Film.) No. 3,203; Feb. 18; Gaz. vol. 187; p. 827.
- Shredded Wheat Company, The, Niagara Falls, N. Y. "Don't Forget Your 'Summer Treat.'" (For a Cereal Food.) No. 3,339; July 22; Gaz. vol. 192; p. 988.
- Shredded Wheat Company, The, Niagara Falls, N. Y. "Your Grocer." (For a Cereal Food.) No. 3,340; July 22; Gaz. vol. 192; p. 988.
- Shredded Wheat Company, The, Niagara Falls, N. Y. "No Worry, No Hurry." (For a Cereal Food.) No. 3,341; July 22; Gaz. vol. 192; p. 988.
- Shredded Wheat Company, The, Niagara Falls, N. Y. "The Call of the Bell." (For a Cereal Food.) No. 3,342; July 22; Gaz. vol. 192; p. 988.
- Shredded Wheat Company, The, Niagara Falls, N. Y. "Votes for Women." (For Shredded Wheat.) No. 3,350; July 29; Gaz. vol. 192; p. 1259.
- Shredded Wheat Company, The, Niagara Falls, N. Y. "Shredded Wheat Biscuit With Peaches or Other Fruit." (For Shredded Wheat.) No. 3,408; Nov. 4; Gaz. vol. 196; p. 273.
- Shredded Wheat Company, The, Niagara Falls, N. Y. "Delicious For Any Meal." (For Shredded Wheat.) No. 3,409; Nov. 4; Gaz. vol. 196; p. 273.
- Shredded Wheat Company, The, Niagara Falls, N. Y. "Shredded Wheat Biscuit." (For Shredded Wheat.) No. 3,410; Nov. 4; Gaz. vol. 196; p. 273.
- Shredded Wheat Company, The, Niagara Falls, N. Y. "A Complete Nourishing Meal." (For Shredded Wheat.) No. 3,411; Nov. 4; Gaz. vol. 196; p. 273.
- Southern Cotton Oil Co., The, New York, N. Y. "Snow-drift." (For Snowdrift The Perfect Shortening.) Nos. 3,185-7; Jan. 28; Gaz. vol. 186; p. 985.
- Spiegel, M., Albany, N. Y. "Dr. Jones' Sangvin." (For a Vegetable Remedy for Purifying the Blood and Strengthening the Nerves.) No. 3,217; Mar. 11; Gaz. vol. 188; p. 511.
- Standard Oil Cloth Company, New York, N. Y. "Sanitas." (For a Wall-Covering.) No. 3,320; July 1; Gaz. vol. 192; p. 214.
- Standard Oil Company, Whiting, Ind., and Chicago, Ill. "Polarine." (For Motor-Oil.) No. 3,431; Nov. 25; Gaz. vol. 196; p. 1050.
- Standard Oil Company, Whiting, Ind., and Chicago, Ill. "Mica." (For Axle-Grease.) No. 3,455; Dec. 23; Gaz. vol. 197; p. 996.
- Standard Soda Stores Corporations, Richmond, Va. "Standard Soda." (For Soda.) No. 3,343; July 22; Gaz. vol. 192; p. 988.
- Steele & Co., Robert P., New York, N. Y. "The Railroad Sock." (For Socks.) No. 3,424; Nov. 18; Gaz. vol. 196; p. 802.
- Straschnow, Ralph, New York, N. Y. "'Everybody's' Vacuum Cleaner." (For Vacuum-Cleaners.) No. 3,178; Jan. 21; Gaz. vol. 186; p. 796.
- Strauss, Edward E., Chicago, Ill. "We Take Your Measure For Finest Made-To-Measure Clothes." (For Clothes.) No. 3,202; Feb. 11; Gaz. vol. 187; p. 511.
- Swift and Company, Chicago, Ill. "Swift's Silver-Leaf Brand Pure Lard." (For Lard.) No. 3,218; Mar. 11; Gaz. vol. 188; p. 511.
- Swift and Company, Chicago, Ill. "Swift's Premium Hams and Bacon." (For Hams and Bacon.) No. 3,311; June 24; Gaz. vol. 191; p. 1066.
- Swift Specific Company, The, Atlanta, Ga. "The S. S. S. Girl." (For a Blood Remedy.) No. 3,442; Dec. 9; Gaz. vol. 197; p. 532.
- Taos Pharmacal Co., New York, N. Y. "Taps." (For a Remedy.) No. 3,235; Apr. 8; Gaz. vol. 189; p. 521.
- Texarkana Pipe Co., Texarkana, Tex. "Vanquished." (For Vitrified Pipe and other Imperishable Products.) No. 3,425; Nov. 18; Gaz. vol. 196; p. 802.
- Udolpho Wolfe Company, New York, N. Y. "Drink Wolfe's Schnapps and keep on the right road." (For Schnapps.) No. 3,373; Sept. 16; Gaz. vol. 194; p. 743.
- United Shirt and Collar Company, Troy, N. Y. "Simplex the short-bosom shirt." (For Short-Bosom Shirts.) No. 3,354; Aug. 5; Gaz. vol. 193; p. 218.
- Utz & Dunn Co., Rochester, N. Y. "Utz & Dunn Co. Rochester, N. Y." (For Boots and Shoes.) No. 3,197; Feb. 4; Gaz. vol. 187; p. 230.
- Vacuum Oil Company, New York, N. Y. "Oils that Lubricate Most." (For Oils.) Nos. 3,328-30; July 8; Gaz. vol. 192; p. 515.
- W. B. Sauer Company, Chicago, Ill. "The Ribbon Brand." (For Cigars.) No. 3,400; Oct. 28; Gaz. vol. 195; p. 1048.
- W. S. Quinby Company, Boston, Mass. "Golden Dome The Distinctive Tea." (For Tea.) No. 3,229; Mar. 25; Gaz. vol. 188; p. 1050.
- W. S. Quinby Company, Boston, Mass. "La Touraine, The Perfect Coffee." (For Coffee.) No. 3,234; Apr. 8; Gaz. vol. 189; p. 521.

Alphabetical list of registrants of prints—Continued.

- Wallace Barnes Company, The, Bristol, Conn. "On The Square." (For Springs of All Description.) No. 3,241; Apr. 22; Gaz. vol. 189; p. 1030.
- Wanamaker, Wm. H., Jr., Philadelphia, Pa. "Sun Proof W. H. W." (For Serge Suits.) No. 3,412; Nov. 4; Gaz. vol. 196; p. 273.
- Wayne Knitting Mills, Fort Wayne, Ind. "Wayne Knit." (For Hosiery.) No. 3,211; Feb. 25; Gaz. vol. 187; p. 1114.
- Wayne Knitting Mills, Fort Wayne, Ind. "Wayne Knit Silk Half Hose." (For Half-Hose.) No. 3,363; Aug. 26; Gaz. vol. 193; p. 1015.
- Wayne Knitting Mills, Fort Wayne, Ind. "Wayne Knit Half Hose." (For Half-Hose.) No. 3,380; Sept. 30; Gaz. vol. 194; p. 1139.
- Welch Grape Juice Co., The, Westfield, N. Y. "Welch's Grape Juice." (For Grape-Juice.) No. 3,198; Feb. 4; Gaz. vol. 187; p. 230.
- Welch Grape Juice Co., The, Westfield, N. Y. "Welch's The National Drink." (For Grape-Juice.) No. 3,204; Feb. 18; Gaz. vol. 187; p. 827.
- Whigelt, George, New York, N. Y. "The Mix-Up." (For a Paint-Mixing Apparatus.) No. 3,219; Mar. 11; Gaz. vol. 188; p. 511.
- Whitman & Barnes Mfg. Co., The, Akron, Ohio. "'Fashioned for a barefoot boy.'" (For Lawn-Mowers.) No. 3,413; Nov. 4; Gaz. vol. 196; p. 273.
- Wiegand, Nelson M., Truxton, N. Y. "Kuz." (For Peppermint Cough-Candy.) No. 3,259; May 13; Gaz. vol. 190; p. 546.
- Willys-Overland Company, The, Toledo, Ohio. "Overland." (For Automobiles.) No. 3,456; Dec. 23; Gaz. vol. 197; p. 996.
- Wilmington Star Mining Company, Chicago, Ill. "Old Ben." (For Coal.) No. 3,199; Feb. 4; Gaz. vol. 187; p. 230.
- Winchester Repeating Arms Company, New Haven, Conn. "Winchester." (For Firearms and Ammunition.) No. 3,426; Nov. 18; Gaz. vol. 196; p. 802.
- Wm. J. Lemp Brewing Co., St. Louis, Mo. "The Home of Falstaff." (For Beer.) No. 3,226; Mar. 25; Gaz. vol. 188; p. 1050.
- Wm. J. Lemp Brewing Co., St. Louis, Mo. "Lemp Lager Bottled Beer." (For Lager Bottled Beer.) No. 3,450; Dec. 23; Gaz. vol. 197; p. 996.
- Woodhull & Son, S. H., Riverhead, N. Y. "S. H. Woodhull & Son, Growers of Choice Varieties of Long Island Cranberries, Riverhead, Long Island, N. Y." (For Cranberries.) No. 3,360; Aug. 12; Gaz. vol. 193; p. 507.
- Worcester Salt Co., Silver Springs and New York, N. Y. "Take Out These Bottles and Shake Them." (For Salt.) No. 3,260; May 13; Gaz. vol. 190; p. 546.
- Workman Packing Company, San Francisco, Cal. "Chicken Karno." (For Karno.) No. 3,427; Nov. 18; Gaz. vol. 196; p. 802.
- Yakima Valley Fruit Growers' Ass'n., North Yakima, Wash. "Extra Fancy Yakima Valley Fruits." (For Green Fruits.) No. 3,237; Apr. 8; Gaz. vol. 189; p. 521.
- Yakima Valley Fruit Growers' Association, North Yakima, Wash. "Fancy Yakima Valley Fruits." (For Green Fruits.) No. 3,236; Apr. 8; Gaz. vol. 189; p. 521.
- Yecker Chocolate Company, Inc., New York, N. Y. "Yecker's Chocolate Nougat Bricks." (For Chocolate.) No. 3,261; May 13; Gaz. vol. 190; p. 546.
- Yecker Chocolate Company Inc., New York, N. Y. "Cremola Wafers." (For Cremola Wafers.) No. 3,282; May 27; Gaz. vol. 190; p. 1026.

DISCLAIMERS.

- Allen, William A., New York, N. Y.; disclaimer filed by patentee. Supporting and retaining device for spare tires. (Reissue.) No. 13,454; disclaimer filed May 13, 1913; Gaz. vol. 190; p. 798b.
- Bastian, Charles O., and Albert E. Salisbury, London, England; disclaimer filed by assignee, Cooper Hewitt Electric Company. Vapor electric apparatus. No. 954,407; disclaimer filed Oct. 17, 1913; Gaz. vol. 195; p. 821.
- Bilgram, Hugo, Philadelphia, Pa.; disclaimer filed by patentee. Gear-cutting machine. (Reissue.) No. 13,502; disclaimer filed June 21, 1913; Gaz. vol. 192; p. 1.
- Borst, Frank A., South Bend, and John Groscop, Auburn, Ind.; disclaimer filed by assignee, Ideal Concrete Machinery Company. Machine for manufacturing hollow concrete building-blocks. No. 12,578, (reissue;) disclaimer filed Oct. 10, 1913; Gaz. vol. 195; p. 820.
- Cobb, Elmer M., South Portland, Me.; disclaimer filed by assignee, E. M. Lang, Jr. Machine for making solder-hemmed caps. No. 1,009,474; disclaimer filed Aug. 1, 1913; Gaz. vol. 193; p. 754.
- Dickey, Joseph W., New York, N. Y.; disclaimer filed by assignee, Charles E. Chapin. Brush for electrical machines. No. 610,705; disclaimer filed May 13, 1913; Gaz. vol. 190; p. 1034.
- Frank, Samuel D., Media, Pa.; disclaimer filed by patentee. Railway-switch-locking mechanism. No. 1,045,540; disclaimer filed Apr. 4, 1913; Gaz. vol. 189; p. 529.
- Greth, John C. W., Pittsburgh, Pa.; disclaimer filed by assignee, William B. Scaife and Sons Company. Water-purifying apparatus. No. 775,901; disclaimer filed Nov. 24, 1913; Gaz. vol. 197; p. 243.
- Jewell, Omar H., Chicago, Ill.; disclaimer filed by assignee, Polar Ice Machine Company. Apparatus for making artificial ice. No. 934,732; disclaimer filed May 15, 1913; Gaz. vol. 190; p. 1034.
- Jewell, Omar H., Chicago, Ill.; disclaimer filed by assignee, Polar Ice Machine Company. Making artificial ice. No. 934,972; disclaimer filed May 15, 1913; Gaz. vol. 190; p. 1034.
- Miller, Harry G., and J. L. Gard, Denver, Colo.; disclaimer filed by assignee, Miller Saw-Trimner Company of Michigan. Metal-saw. No. 671,910; disclaimer filed Apr. 23, 1913; Gaz. vol. 189; p. 1037.
- Mueller, Oscar, Buffalo, N. Y.; disclaimer filed by assignee, Schoellkopf, Hartford & Hanna Company. Black dye and making same. No. 688,478; disclaimer filed Apr. 3, 1913; Gaz. vol. 189; p. 257.
- Neidich, Samuel A., Burlington, N. J.; disclaimer filed by patentee. Composing-stick. No. 955,534; disclaimer filed Apr. 17, 1913; Gaz. vol. 189; p. 1035.
- Ohnstrand, Enoch, Jamestown, N. Y.; disclaimer filed by assignee, Art Metal Construction Company. Drawer for filing-cases. No. 943,841; disclaimer filed Feb. 24, 1913; Gaz. vol. 188; p. 1.
- Palmros, Alexander, Syracuse, N. Y.; disclaimer filed by patentee, with concurrence of assignee, The Pneumelectric Machine Company. Rock-drill. No. 1,052,373; disclaimer filed Sept. 19, 1913; Gaz. vol. 194; p. 955.
- Salzer, Rudolf, Philadelphia, Pa.; disclaimer filed by assignee, International Steam Pump Company. Centrifugal pump. No. 885,867; disclaimer filed July 5, 1913; Gaz. vol. 192; p. 523.
- Snelling, Arthur H., London, England; disclaimer filed by assignee, Alfred W. Erickson. Display device. No. 898,519; disclaimer filed July 9, 1913; Gaz. vol. 192; p. 747.
- Starr, Ferdinand W., Springfield, Ohio; disclaimer filed by patentee. Cutting instrument. No. 683,809; disclaimer filed May 12, 1913; Gaz. vol. 190; p. 798b.
- Sundh, August, Yonkers, N. Y.; disclaimer filed by assignee, Sundh Electric Company. Electric controller. No. 733,564; disclaimer filed Feb. 10, 1913; Gaz. vol. 187; p. 519.
- Vaclair, Samuel M., Philadelphia, Pa.; disclaimer filed by assignee, Locomotive Superheater Company. Superheater. No. 1,034,540; disclaimer filed Oct. 31, 1913; Gaz. vol. 196; p. 279.
- Wollensak, Andrew, Rochester, N. Y.; disclaimer filed by assignee, Wollensak Optical Company. Photographic shutter. No. 1,035,762; disclaimer filed Apr. 17, 1913; Gaz. vol. 189; p. 1035.
- Yaxley, Ernest E., Chicago, Ill., disclaimer filed by assignee, Monarch Telephone Company. Telephone system. No. 924,714; disclaimer filed Jan. 3, 1913; Gaz. vol. 186; p. 562.

ALPHABETICAL LIST OF INVENTIONS.

[Abbreviations: "Gaz."=Official Gazette.]

- Abdominal and hip supporter and stocking attachment. H. Abramson. No. 1,050,326; Jan. 14; Gaz. vol. 186; p. 376.
- Abdominal bandage, Adjustable. W. Cederquist. No. 1,063,656; June 3; Gaz. vol. 191; p. 169.
- Abdominal exerciser. W. C. Schulze. No. 1,064,093; June 10; Gaz. vol. 191; p. 350.
- Abdominal girdle. E. M. Martin. No. 1,082,204; Dec. 23; Gaz. vol. 197; p. 874.
- Abdominal supporter. T. S. Patterson. No. 1,068,268; July 22; Gaz. vol. 192; p. 911.
- Abdominal supporter. F. Z. Husar. No. 1,076,287; Oct. 21; Gaz. vol. 195; p. 638.
- Abdominal supporter. E. M. Dhale. No. 1,080,958; Dec. 9; Gaz. vol. 197; p. 393.
- Abdominospinal support or splint. C. W. Sillin. No. 1,052,523; Feb. 11; Gaz. vol. 187; p. 264.
- Abrading-cylinder. F. L. Olmsted and J. W. Baston. No. 1,070,284; Aug. 12; Gaz. vol. 193; p. 441.
- Abrading-disk. C. Krug. No. 1,077,143; Oct. 28; Gaz. vol. 195; p. 989.
- Abrading-disk. C. Krug. No. 1,082,202; Dec. 23; Gaz. vol. 197; p. 874.
- Abrading-machine. E. N. Jansen. No. 1,049,368; Jan. 7; Gaz. vol. 186; p. 17.
- Abrading-machine. D. W. Moffitt. No. 1,056,437; Mar. 18; Gaz. vol. 188; p. 671.
- Abrading-tool. J. E. Egan. No. 1,071,219; Aug. 26; Gaz. vol. 193; p. 831.
- Abrading-tool suction-hood. P. Mueller. No. 1,062,248; May 20; Gaz. vol. 190; p. 651.
- Abrading-wheel. J. H. Reed. No. 1,056,058; Mar. 18; Gaz. vol. 188; p. 542.
- Abrasive material, Apparatus for delivering. H. W. Hachmeister. No. 1,063,434; June 3; Gaz. vol. 191; p. 89.
- Abrasive-material-delivering apparatus. C. C. McLean. No. 1,081,762; Dec. 16; Gaz. vol. 197; p. 696.
- Abrasive wheel. A. L. Hull. No. 1,063,688; June 3; Gaz. vol. 191; p. 181.
- Abrasive-wheel mounting. H. K. Spencer. No. 1,079,304; Nov. 18; Gaz. vol. 196; p. 772.
- Accelerating mechanism, Mechanically-operated. W. Deats. No. 1,077,395; Nov. 4; Gaz. vol. 196; p. 55.
- Accordion. J. Galleazzi. No. 1,050,270; Jan. 14; Gaz. vol. 186; p. 356.
- Accordion octave-coupler. J. Galleazzi. No. 1,049,842; Jan. 7; Gaz. vol. 186; p. 178.
- Accordion octave-coupler. J. Galleazzi. No. 1,051,398; Jan. 28; Gaz. vol. 186; p. 811.
- Accordions and the like, Transposing mechanism for. J. Galleazzi. No. 1,058,423; Apr. 8; Gaz. vol. 189; p. 399.
- Accordions, Octave-coupler for. J. Galleazzi. No. 1,075,207; Oct. 7; Gaz. vol. 195; p. 213.
- Account-register. S. W. Crane. No. 1,052,132; Feb. 4; Gaz. vol. 187; p. 100.
- Account-register. D. H. Waugh. No. 1,054,727; Mar. 4; Gaz. vol. 188; p. 25.
- Account-register. R. D. Pardee. No. 1,055,070; Mar. 4; Gaz. vol. 188; p. 142.
- Account-register. C. E. Johnson and G. Winterstein. No. 1,056,280; Mar. 18; Gaz. vol. 188; p. 618.
- Account-register. W. James. No. 1,063,689; June 3; Gaz. vol. 191; p. 181.
- Account-register. S. M. Ratner. No. 1,069,469; Aug. 5; Gaz. vol. 193; p. 134.
- Accounting appliance, Credit. H. E. Massey. No. 1,074,886; Oct. 7; Gaz. vol. 195; p. 101.
- Accounting card system. W. H. Walker. No. 1,051,932; Feb. 4; Gaz. vol. 187; p. 29.
- Accounting device. C. H. McKinney and H. Houle. No. 1,053,052; Feb. 11; Gaz. vol. 187; p. 445.
- Accounting-exchange. W. F. Kemble and C. R. Underhill. No. 1,062,102; May 20; Gaz. vol. 190; p. 601.
- Accumulator. J. Piotrowski and A. Kilinski. No. 1,055,221; Mar. 4; Gaz. vol. 188; p. 189.
- Accumulator. M. Rotter. No. 1,055,982; Mar. 11; Gaz. vol. 188; p. 482.
- Accumulator-plates, Making. B. Zytzkowski. No. 1,075,958; Oct. 14; Gaz. vol. 195; p. 498.
- Acetate of lime and wood-alcohol, Manufacture of. C. W. Volney. No. 1,052,446; Feb. 4; Gaz. vol. 187; p. 206.
- Acetyl-cellulose plastic masses, Making. W. G. Lindsay. No. 1,076,215; Oct. 21; Gaz. vol. 195; p. 613.
- Acetyl-cellulose plastic masses, Making. W. G. Lindsay. No. 1,076,216; Oct. 21; Gaz. vol. 195; p. 613.
- Acetyl derivatives of the alkylated iminopyrimidins, Manufacture of. E. Witte. No. 1,053,690; Feb. 18; Gaz. vol. 187; p. 708.
- Acetylene-burner. J. B. Carroll. No. 1,050,338; Jan. 14; Gaz. vol. 186; p. 381.
- Acetylene-generating apparatus. H. W. Jacobs and H. H. Lanning. No. 1,050,139; Jan. 14; Gaz. vol. 186; p. 311.
- Acetylene-generator. E. V. Pennington. No. 1,055,791; Mar. 11; Gaz. vol. 188; p. 419.
- Acetylene-generator. A. C. McGee. No. 1,059,946; Apr. 22; Gaz. vol. 189; p. 989.
- Acetylene-generator. N. J. Anderson. No. 1,065,200; June 17; Gaz. vol. 191; p. 755.
- Acetylene-generator. C. E. Wagner. No. 1,069,592; Aug. 5; Gaz. vol. 193; p. 173.
- Acetylene-generator. E. R. Angell. No. 1,074,921; Oct. 7; Gaz. vol. 195; p. 113.
- Acetylene-generator. E. Adamson. No. 1,079,823; Nov. 25; Gaz. vol. 196; p. 985.
- Acetylene-generator. A. F. Jenkins. No. 1,081,503; Dec. 16; Gaz. vol. 197; p. 612.
- Acetylene, Mechanism for the generation and storage of. F. H. Lippincott. No. 1,056,560; Mar. 18; Gaz. vol. 188; p. 715.
- Acetylene-storage tank. J. H. James. No. 1,055,915; Mar. 11; Gaz. vol. 188; p. 459.
- Acid, Alkali salts of phenylethylbarbituric. H. Hoerlein. No. 1,051,586; Jan. 28; Gaz. vol. 186; p. 875.
- Acid and its derivatives, Manufacture of salts of phenolphthalic. P. A. Kober and J. T. Marshall. No. 1,071,321; Aug. 26; Gaz. vol. 193; p. 864.
- Acid and preparation of the same, N-halogenalkyl-C. C-di-alkylbarbituric. O. Wolfes. No. 1,073,380; Sept. 16; Gaz. vol. 194; p. 660.
- Acid and preparing the same, Anhydrid of salicylic. E. Kopetschni, L. Karczag, and O. Fodor. No. 1,075,581; Oct. 14; Gaz. vol. 195; p. 370.
- Acid arsenate of lead. C. H. Hall. No. 1,064,639; June 10; Gaz. vol. 191; p. 537.
- Acid-concentrating apparatus, Sulfuric. P. Vialleix and F. Perrin. No. 1,066,557; July 8; Gaz. vol. 192; p. 257.
- Acid containing arsenic, High molecular fatty. E. Fischer. No. 1,082,509; Dec. 30; Gaz. vol. 197; p. 1013.
- Acid, Derivatives of phenylcinchoninic. R. Schwabe. No. 1,069,296; Aug. 5; Gaz. vol. 193; p. 73.
- Acid, Dinitrophenylarsinic. L. Benda. No. 1,075,538; Oct. 14; Gaz. vol. 195; p. 355.
- Acid ester and making same, Acidylsalicylic. R. Wolfenstein. No. 1,063,099; May 27; Gaz. vol. 190; p. 973.
- Acid, Esters of dialkylaminoformic. G. Merling and H. Köhler. No. 1,074,966; Oct. 7; Gaz. vol. 195; p. 128.
- Acid, Formation of calcium salt of acetylsalicylic. G. Richter. No. 1,058,904; Apr. 15; Gaz. vol. 189; p. 602.
- Acid from air, Apparatus for absorbing carbonic. C. Christiansen. No. 1,052,216; Feb. 4; Gaz. vol. 187; p. 129.
- Acid from insoluble copper vanadate, Extracting vanadic. W. F. Bleecker. No. 1,049,330; Jan. 7; Gaz. vol. 186; p. 4.
- Acid from natural phosphates, Separating phosphoric. M. M. Haff. No. 1,076,497; Oct. 21; Gaz. vol. 195; p. 713.
- Acid from natural phosphates, Separating phosphoric. M. M. Haff and T. L. Willson. No. 1,076,499; Oct. 21; Gaz. vol. 195; p. 714.
- Acid-hexamethylene-tetramin tablet, Effervescent citric. H. Umber. No. 1,065,988; July 1; Gaz. vol. 192; p. 30.
- Acid, High concentration of watery nitric. H. Pauling. No. 1,074,287; Sept. 30; Gaz. vol. 194; p. 1018.
- Acid, Making lactic. O. Friedberger. No. 1,074,708; Oct. 7; Gaz. vol. 195; p. 43.
- Acid manufacture, Acetic. N. Grünstein. No. 1,081,959; Dec. 23; Gaz. vol. 197; p. 791.
- Acid, Manufacture of glycoheptonic. A. Liebrecht and G. Rosenfeld. No. 1,057,437; Apr. 1; Gaz. vol. 189; p. 15.
- Acid, Manufacture of nitric. M. Moest and R. M. von Berneck. No. 1,049,754; Jan. 7; Gaz. vol. 186; p. 148.
- Acid, Manufacture of nitroso derivatives of phenyl-glycino-ortho-carboxylic. J. Houben. No. 1,079,246; Nov. 18; Gaz. vol. 196; p. 754.
- Acid, Manufacture of sulfuric. N. L. Heinz. No. 1,057,149; Mar. 25; Gaz. vol. 188; p. 947.
- Acid, Manufacture of sulfuric. A. Taraud and P. Truchot. No. 1,068,021; July 22; Gaz. vol. 192; p. 826.
- Acid, Manufacture of 2-phenylquinolin-4-carboxylic. A. Thiele and G. Wichmann. No. 1,075,171; Oct. 7; Gaz. vol. 195; p. 200.

Alphabetical list of inventions—Continued.

- Acid, Manufacturing concentrated nitric. M. Moest, R. M. von Berneck, and J. Opl. No. 1,050,160; Jan. 14; Gaz. vol. 186; p. 319.
- Acid, Nitroaminophenylarsinic. L. Benda. No. 1,075,537; Oct. 14; Gaz. vol. 195; p. 355.
- Acid or oleum, Apparatus for the manufacture of fuming sulfuric. T. L. Briggs and H. F. Merriam. No. 1,082,301; Dec. 23; Gaz. vol. 197; p. 911.
- Acid, Phenylallylbarbituric. H. Hörlein and W. Kropp. No. 1,056,793; Mar. 25; Gaz. vol. 188; p. 824.
- Acid-phosphate chambers, Apparatus for emptying. A. Shepanek. No. 1,070,296; Aug. 12; Gaz. vol. 193; p. 445.
- Acid, Producing citric. B. Zahorski. No. 1,066,358; July 1; Gaz. vol. 192; p. 160.
- Acid, Production of organic derivatives of arsenic. H. Bart. No. 1,061,587; May 13; Gaz. vol. 190; p. 389.
- Acid such as nitric acid by means of a drying agent, Concentrating. E. Collett. No. 1,079,541; Nov. 25; Gaz. vol. 196; p. 884.
- Acid used in refining oils, Apparatus for the recovery of. A. Gellen. No. 1,063,025; May 27; Gaz. vol. 190; p. 948.
- Acids and glycerin, Manufacturing fatty. E. Twitchell. No. 1,082,662; Dec. 30; Gaz. vol. 197; p. 1066.
- Acids and making same, Amids of the arylalkyloxyacetic. E. Preiswerk and W. Beurnoulli. No. 1,061,120; May 6; Gaz. vol. 190; p. 193.
- Acids and making the same, Arsinic. L. Ach and A. Rothmann. No. 1,075,279; Oct. 7; Gaz. vol. 195; p. 240.
- Acids and preparation of the same, N-halogenalkyl-C-C-dialkylbarbituric. O. Wolfes. No. 1,074,030; Sept. 23; Gaz. vol. 194; p. 904.
- Acids, Hexamethylenetetramin salts of the α -phenylquinolin-7-carboxylic. R. Schwabe. No. 1,076,160; Oct. 21; Gaz. vol. 195; p. 595.
- Acids, Manufacture of tar. I. and S. McDougall and F. Howles. No. 1,077,287; Nov. 4; Gaz. vol. 196; p. 15.
- Acids of the naphthalene series, Producing sulfonic. A. Vagt. No. 1,055,103; Mar. 4; Gaz. vol. 188; p. 152.
- Acidaminooxyarsenobenzene and making same, Derivatives of. P. Ehrlich and A. Bertheim. No. 1,077,462; Nov. 4; Gaz. vol. 196; p. 78.
- Acoustic apparatus. E. Rubes. No. 1,059,769; Apr. 22; Gaz. vol. 189; p. 932.
- Acoustic diaphragm. W. W. Young. No. 1,061,211; May 6; Gaz. vol. 190; p. 223.
- Acoustical instrument. L. Lumiere. No. 1,072,477; Sept. 9; Gaz. vol. 194; p. 304.
- Acoustical instrument. L. Lumiere. No. 1,077,536; Nov. 4; Gaz. vol. 196; p. 104.
- Action-controlling mechanism. W. W. Bardsley. No. 1,072,416; Sept. 9; Gaz. vol. 194; p. 282.
- Adding and listing machine operating keys. H. Ellis. No. 1,065,673; June 24; Gaz. vol. 191; p. 956.
- Adding and recording machine. W. H. Pike, Jr. No. 1,049,911; Jan. 7; Gaz. vol. 186; p. 201.
- Adding and recording machine. W. S. Graffam. No. 1,071,311; Aug. 26; Gaz. vol. 193; p. 861.
- Adding and recording machine. H. Landsiedel. No. 1,078,359; Nov. 11; Gaz. vol. 196; p. 418.
- Adding and recording machine attachment. W. H. Pike, Jr. No. 1,050,845; Jan. 21; Gaz. vol. 186; p. 588.
- Adding and type-writing machine, Combined. J. N. Thornton. No. 1,058,810; Apr. 15; Gaz. vol. 189; p. 567.
- Adding and writing machine. S. G. Dorman and W. H. Clayton. No. 1,053,943; Feb. 18; Gaz. vol. 187; p. 793.
- Adding apparatus. M. Klaczko. No. 1,056,912; Mar. 25; Gaz. vol. 188; p. 864.
- Adding-machine. F. C. Rinsche. No. 1,049,921; Jan. 7; Gaz. vol. 186; p. 203.
- Adding-machine. H. C. Peters. No. 1,050,039; Jan. 7; Gaz. vol. 186; p. 244.
- Adding-machine. F. Wheat. No. 1,053,687; Feb. 18; Gaz. vol. 187; p. 707.
- Adding-machine. J. G. Vincent. No. 1,054,154; Feb. 25; Gaz. vol. 187; p. 902.
- Adding-machine. A. Bordt. No. 1,059,522; Apr. 22; Gaz. vol. 189; p. 851.
- Adding-machine. A. J. Conen. No. 1,061,901; May 13; Gaz. vol. 190; p. 490.
- Adding-machine. J. P. Harrison, Jr. No. 1,063,348; June 3; Gaz. vol. 191; p. 60.
- Adding-machine. O. L. Ingram. No. 1,065,367; June 24; Gaz. vol. 191; p. 851.
- Adding-machine. H. L. Fisher. No. 1,065,674; June 24; Gaz. vol. 191; p. 956.
- Adding-machine. L. I. Darby. No. 1,068,384; July 22; Gaz. vol. 192; p. 951.
- Adding-machine. R. H. Little. No. 1,070,146; Aug. 12; Gaz. vol. 193; p. 393.
- Adding-machine. G. S. Bollensen. No. 1,074,689; Oct. 7; Gaz. vol. 195; p. 37.
- Adding-machine. H. Landsiedel. No. 1,078,358; Nov. 11; Gaz. vol. 196; p. 418.
- Adding-machine. W. P. Skinner. No. 1,080,023; Dec. 2; Gaz. vol. 197; p. 36.
- Adding-machine accumulator. S. B. Austin. No. 1,071,382; Aug. 26; Gaz. vol. 193; p. 885.
- Adding-machine, Chain. H. Gall. No. 1,071,410; Aug. 26; Gaz. vol. 193; p. 894.
- Adding-machine crank driving mechanism. H. Kuntzler. No. 1,080,515; Dec. 2; Gaz. vol. 197; p. 208.
- Adding-machine flexible draft connection. H. Kuntzler. No. 1,080,516; Dec. 2; Gaz. vol. 197; p. 209.
- Adding-machine motor-stand. C. E. W. Gardner. No. 1,080,548; Dec. 9; Gaz. vol. 197; p. 252.
- Adding-machine, Pocket. P. E. Sachrendt. No. 1,078,385; Nov. 11; Gaz. vol. 196; p. 428.
- Adding-machine power-drive. J. G. Vincent. No. 1,054,628; Feb. 25; Gaz. vol. 187; p. 1063.
- Adding-machine register. W. L. Dench. No. 1,070,783; Aug. 19; Gaz. vol. 193; p. 653.
- Adding-machine reset-guard. R. J. Bray. No. 1,068,309; July 22; Gaz. vol. 192; p. 925.
- Adding-machines, Elimination and clear signal for. J. P. Hunter and H. Kuntzler. No. 1,054,554; Feb. 25; Gaz. vol. 187; p. 1038.
- Adding-machines, Keyboard-locking mechanism for. J. P. Hunter and H. Kuntzler. No. 1,074,721; Oct. 7; Gaz. vol. 195; p. 46.
- Adding-machines, Numeral-wheel support for. H. Kuntzler. No. 1,068,786; July 29; Gaz. vol. 192; p. 1129.
- Address-plate. H. P. Elliott. No. 1,068,578; July 29; Gaz. vol. 192; p. 1056.
- Address-plates, Means for selecting. H. C. Osborn. No. 1,082,970; Dec. 30; Gaz. vol. 197; p. 1175.
- Addressing envelopes, Manufacturing device for. G. W. Hazel. No. 1,068,768; July 29; Gaz. vol. 192; p. 1122.
- Addressing-machine. H. C. Gammeter. No. 1,052,235; Feb. 4; Gaz. vol. 187; p. 135.
- Addressing-machine. W. Hall. No. 1,067,109; July 8; Gaz. vol. 192; p. 445.
- Addressing-machine. E. D. Howard. No. 1,072,463; Sept. 9; Gaz. vol. 194; p. 299.
- Addressing-machine. J. S. Duncan. No. 1,075,340; Oct. 14; Gaz. vol. 195; p. 286.
- Addressing-machine. R. N. Rogers. No. 1,077,755; Nov. 4; Gaz. vol. 196; p. 176.
- Addressing-machine. J. S. Duncan. No. 1,080,202; Dec. 2; Gaz. vol. 197; p. 99.
- Addressing machine, Card. J. G. Knurck. No. 1,069,958; Aug. 12; Gaz. vol. 193; p. 328.
- Addressing-machine feeder. S. C. Cox. No. 1,073,741; Sept. 23; Gaz. vol. 194; p. 808.
- Addressing machine, Tag. G. T. Pritchard. No. 1,070,176; Aug. 12; Gaz. vol. 193; p. 404.
- Addressing-machines, Slug or linotype distributor for. S. C. Cox. No. 1,054,393; Feb. 25; Gaz. vol. 187; p. 984.
- Adhesive and making the same. A. A. and H. V. Dunham. No. 1,053,719; Feb. 18; Gaz. vol. 187; p. 720.
- Adhesive-applying device. C. F. Jenkins. No. 1,064,738; June 17; Gaz. vol. 191; p. 607.
- Adhesive compound. V. Xicovich. No. 1,077,576; Nov. 4; Gaz. vol. 196; p. 117.
- Adhesive plaster. F. N. Lang. No. 1,081,392; Dec. 16; Gaz. vol. 197; p. 575.
- Adhesive-plaster spool. P. S. Bauer. No. 1,080,508; Dec. 2; Gaz. vol. 197; p. 206.
- Adhesive substances to textile fabrics, &c., Application of. F. Hesse. No. 1,065,684; June 24; Gaz. vol. 191; p. 960.
- Adjustable bracket. E. Chanal. No. 1,057,932; Apr. 1; Gaz. vol. 189; p. 183.
- Adjustable bracket. G. R. Meyercord. No. 1,072,756; Sept. 9; Gaz. vol. 194; p. 400.
- Adjustable bracket. M. Kurtzon. No. 1,080,639; Dec. 9; Gaz. vol. 197; p. 281.
- Adjustable chair. J. F. Walton. No. 1,079,528; Nov. 25; Gaz. vol. 196; p. 880.
- Adjustable gage and marker. E. Fitz. No. 1,066,592; July 8; Gaz. vol. 192; p. 270.
- Adjustable gate. J. E. Van Deventer and L. Swank. No. 1,075,233; Oct. 7; Gaz. vol. 195; p. 222.
- Adjustable hanger. P. E. Doolittle. No. 1,063,149; May 27; Gaz. vol. 190; p. 989.
- Adjustable seat. F. W. Coy. No. 1,052,042; Feb. 4; Gaz. vol. 187; p. 69.
- Adjustable seat. I. L. Stanger and C. B. Fithian. No. 1,065,280; June 17; Gaz. vol. 191; p. 783.
- Adjustable stand. I. Benjamins. No. 1,075,323; Oct. 14; Gaz. vol. 195; p. 280.
- Adjustable table. F. Hasenzahl. No. 1,079,487; Nov. 25; Gaz. vol. 196; p. 866.
- Adjustable table. M. L. Leonard. No. 1,082,884; Dec. 30; Gaz. vol. 197; p. 1145.
- Adjustable table, Patient's. J. B. and B. G. Loranger. No. 1,071,621; Aug. 26; Gaz. vol. 193; p. 964.
- Adjustable tube. W. E. C. Powell. No. 1,066,319; July 1; Gaz. vol. 192; p. 148.
- Adjustable wrench. H. A. McCarthy. No. 1,082,601; Dec. 30; Gaz. vol. 197; p. 1046.
- Adjusting apparatus. J. Carruthers. No. 1,053,157; Feb. 18; Gaz. vol. 187; p. 525.
- Adornment, Article of. A. H. Merrill. No. 1,074,727; Oct. 7; Gaz. vol. 195; p. 49.
- Advertiser, Electric. L. Marchal. No. 1,051,245; Jan. 21; Gaz. vol. 186; p. 726.

Alphabetical list of inventions—Continued.

- Advertising and like apparatus. T. Bowden. No. 1,061,520; May 13; Gaz. vol. 190; p. 365.
- Advertising and other purposes. Novelty adapted for. B. W. Allen. No. 1,071,680; Sept. 2; Gaz. vol. 194; p. 3.
- Advertising and smoking device. Combination. H. R. Rohrer. No. 1,070,537; Aug. 19; Gaz. vol. 193; p. 570.
- Advertising apparatus. D. Greenberg, J. Markewich, and J. H. Brown. No. 1,057,726; Apr. 1; Gaz. vol. 189; p. 112.
- Advertising apparatus. F. Concannon. No. 1,063,010; May 27; Gaz. vol. 190; p. 943.
- Advertising apparatus. A. H. Wright. No. 1,063,929; June 3; Gaz. vol. 191; p. 260.
- Advertising apparatus. F. F. Heissenbittel. No. 1,080,340; Dec. 2; Gaz. vol. 197; p. 148.
- Advertising apparatus, Automatic. H. O. Brion. No. 1,059,110; Apr. 15; Gaz. vol. 189; p. 674.
- Advertising apparatus, Automatic. R. Popp. No. 1,073,927; Sept. 23; Gaz. vol. 194; p. 870.
- Advertising apparatus, Automatic. E. F. N. Candia. No. 1,082,583; Dec. 30; Gaz. vol. 197; p. 1040.
- Advertising apparatus, Gas-illuminated. F. O. Seyd. No. 1,063,073; May 27; Gaz. vol. 190; p. 965.
- Advertising apparatus, Street-car. H. Boerner. No. 1,061,260; May 13; Gaz. vol. 190; p. 274.
- Advertising appliance. J. Farley. No. 1,058,853; Apr. 15; Gaz. vol. 189; p. 583.
- Advertising device. W. J. M. Graves. No. 1,049,699; Jan. 7; Gaz. vol. 186; p. 130.
- Advertising device. E. Fletcher. No. 1,050,936; Jan. 21; Gaz. vol. 186; p. 622.
- Advertising device. F. M. Ulmer. No. 1,052,533; Feb. 11; Gaz. vol. 187; p. 268.
- Advertising device. E. S. Jaros. No. 1,052,825; Feb. 11; Gaz. vol. 187; p. 368.
- Advertising device. J. T. H. Mitchell. No. 1,054,018; Feb. 25; Gaz. vol. 187; p. 856.
- Advertising device. E. E. Wilson. No. 1,057,197; Mar. 25; Gaz. vol. 188; p. 964.
- Advertising device. J. P. Bergeron. No. 1,057,403; Apr. 1; Gaz. vol. 189; p. 4.
- Advertising device. J. E. Hager. No. 1,058,233; Apr. 8; Gaz. vol. 189; p. 332.
- Advertising device. A. O. Goldstein. No. 1,058,698; Apr. 8; Gaz. vol. 189; p. 491.
- Advertising device. F. A. Rudolph. No. 1,061,407; May 13; Gaz. vol. 190; p. 325.
- Advertising device. M. H. Shoenberg. No. 1,061,505; May 13; Gaz. vol. 190; p. 358.
- Advertising device. C. N. Falk. No. 1,061,601; May 13; Gaz. vol. 190; p. 394.
- Advertising device. G. H. Schanck. No. 1,066,850; July 8; Gaz. vol. 192; p. 358.
- Advertising device. B. Z. Friedman. No. 1,069,122; Aug. 5; Gaz. vol. 193; p. 11.
- Advertising device. J. Stranders. No. 1,069,494; Aug. 5; Gaz. vol. 193; p. 142.
- Advertising device. O. C. Bernard. No. 1,069,521; Aug. 5; Gaz. vol. 193; p. 150.
- Advertising device. M. H. Harris. No. 1,069,781; Aug. 12; Gaz. vol. 193; p. 268.
- Advertising device. F. V. Burton. No. 1,075,009; Oct. 7; Gaz. vol. 195; p. 143.
- Advertising device. C. H. Cross, 2d. No. 1,076,629; Oct. 21; Gaz. vol. 195; p. 760.
- Advertising device. J. W. Mevis. No. 1,078,742; Nov. 18; Gaz. vol. 196; p. 580.
- Advertising device. J. F. Cunningham. No. 1,081,021; Dec. 9; Gaz. vol. 197; p. 412.
- Advertising device. F. J. Peterson. No. 1,082,608; Dec. 30; Gaz. vol. 197; p. 1049.
- Advertising device and stationery-dispensing cabinet, Combined. F. B. Mulgrew. No. 1,049,511; Jan. 7; Gaz. vol. 186; p. 65.
- Advertising device for railway-carriages, road-vehicles, and the like. J. A. Kennedy-McGregor. No. 1,066,626; July 8; Gaz. vol. 192; p. 282.
- Advertising device for vehicle-wheels. J. P. Bergeron. No. 1,054,270; Feb. 25; Gaz. vol. 187; p. 941.
- Advertising device, Gas-flash-light. T. Jackson. No. 1,077,985; Nov. 11; Gaz. vol. 196; p. 287.
- Advertising device, Illuminable. F. J. Weber. No. 1,075,177; Oct. 7; Gaz. vol. 195; p. 203.
- Advertising device, Illuminated. H. Harrold. No. 1,066,493; July 8; Gaz. vol. 192; p. 235.
- Advertising device, Mechanical. C. E. Cook. No. 1,081,722; Dec. 16; Gaz. vol. 197; p. 682.
- Advertising device, Portable. F. K. Wise. No. 1,064,039; June 10; Gaz. vol. 191; p. 331.
- Advertising device, Printed. L. Geer. No. 1,059,860; Apr. 22; Gaz. vol. 189; p. 959.
- Advertising device, Street-car. W. F. Sweet. No. 1,065,320; June 17; Gaz. vol. 191; p. 797.
- Advertising display mechanism. A. L. Runyan. No. 1,081,001; Dec. 9; Gaz. vol. 197; p. 407.
- Advertising display-stand. C. J. and W. M. Doering. No. 1,069,770; Aug. 12; Gaz. vol. 193; p. 264.
- Advertising-kiosk. S. W. Porteous. No. 1,079,879; Nov. 25; Gaz. vol. 196; p. 1004.
- Advertising label, calendar, and pen-wiper, Combination. E. Gjorup. No. 1,050,644; Jan. 14; Gaz. vol. 186; p. 486.
- Advertising-machine. W. C. Van Allen. No. 1,058,207; Apr. 8; Gaz. vol. 189; p. 323.
- Advertising-machine. M. D. Looney. No. 1,067,932; July 22; Gaz. vol. 192; p. 795.
- Advertising-machine, Automatic. H. J. Hegwer. No. 1,049,356; Jan. 7; Gaz. vol. 186; p. 13.
- Advertising means. G. T. Fielding. No. 1,068,875; July 29; Gaz. vol. 192; p. 1161.
- Advertising medium. G. T. Fielding. No. 1,082,311; Dec. 23; Gaz. vol. 197; p. 915.
- Advertising novelty. D. A. Lohr. No. 1,061,302; May 13; Gaz. vol. 190; p. 288.
- Advertising-order record. E. B. Wilson and C. I. Robinson. No. 1,079,461; Nov. 25; Gaz. vol. 196; p. 858.
- Advertising-pouch, Portable illuminated. A. Milhado. No. 1,052,842; Feb. 11; Gaz. vol. 187; p. 373.
- Advertising-shield for vehicle-wheels. R. K. Blackshear. No. 1,054,819; Mar. 4; Gaz. vol. 188; p. 58.
- Advertising spectacle-lenses and the like. Device for. B. Nutt. No. 1,061,002; May 6; Gaz. vol. 190; p. 154.
- Aerating apparatus, Liquid-. II. Pearce and W. Barratt. No. 1,050,999; Jan. 21; Gaz. vol. 186; p. 644.
- Aerating device, Liquid-. H. V. R. Read. No. 1,056,451; Mar. 18; Gaz. vol. 188; p. 675.
- Aerating grains or grain materials, Apparatus for. L. Topf. No. 1,058,812; Apr. 15; Gaz. vol. 189; p. 569.
- Aerating solutions. W. E. Darrow. No. 1,081,436; Dec. 16; Gaz. vol. 197; p. 589.
- Aerial and like vessels, Propelling means for. V. Wisniewski. No. 1,063,309; June 3; Gaz. vol. 191; p. 47.
- Aerial apparatus. G. D. Goodrich. No. 1,055,325; Mar. 11; Gaz. vol. 188; p. 261.
- Aerial apparatus. T. N. Burke. No. 1,059,433; Apr. 22; Gaz. vol. 189; p. 821.
- Aerial control system. E. F. Gallaudet. No. 1,074,256; Sept. 30; Gaz. vol. 194; p. 1008.
- Aerial craft, Means for supplying stores or other articles to. C. S. Snell. No. 1,070,197; Aug. 12; Gaz. vol. 193; p. 411.
- Aerial flights, Machine for. N. J. Paddock. No. 1,074,135; Sept. 30; Gaz. vol. 194; p. 968.
- Aerial machines, Automatic means for steering and balancing. P. Benni. No. 1,065,656; June 24; Gaz. vol. 191; p. 950.
- Aerial navigation. H. Schneider and T. Kurrell. No. 1,054,989; Mar. 4; Gaz. vol. 188; p. 114.
- Aerial navigation. P. Peterson. No. 1,068,165; July 22; Gaz. vol. 192; p. 874.
- Aerial navigation. P. Peterson. No. 1,068,166; July 22; Gaz. vol. 192; p. 875.
- Aerial navigation, Apparatus for. G. Mitchell. No. 1,074,281; Sept. 30; Gaz. vol. 194; p. 1017.
- Aerial navigation, Apparatus for. M. Pearson. No. 1,074,288; Sept. 30; Gaz. vol. 194; p. 1019.
- Aerial-navigation mechanism. J. H. Beckwith. No. 1,072,078; Sept. 2; Gaz. vol. 194; p. 139.
- Aerial-navigation propelling and sustaining means. M. Pearson. No. 1,082,481; Dec. 23; Gaz. vol. 197; p. 968.
- Aerial transportation system. C. F. McBee. No. 1,063,458; June 3; Gaz. vol. 191; p. 97.
- Aerial vehicle. J. E. Fraser. No. 1,075,969; Oct. 14; Gaz. vol. 195; p. 502.
- Aerial vehicles or other moving bodies, Automatic stabilizer for. E. Sparmann. No. 1,066,860; July 8; Gaz. vol. 192; p. 362.
- Aero merry-go-round. F. W. Brock. No. 1,068,852; July 29; Gaz. vol. 192; p. 1153.
- Aerocycle, Centrifugal. R. J. McLaughlin. No. 1,060,200; Apr. 29; Gaz. vol. 189; p. 1117.
- Aerodrome. S. D. Mott. No. 1,050,980; Jan. 21; Gaz. vol. 186; p. 637.
- Aerodrome. A. Huth. No. 1,056,179; Mar. 18; Gaz. vol. 188; p. 584.
- Aerodrome. R. G. Dressler. No. 1,079,167; Nov. 18; Gaz. vol. 196; p. 729.
- Aeronautic apparatus. C. B. Melott. No. 1,060,273; Apr. 29; Gaz. vol. 189; p. 1144.
- Aeronautic engine, Non-gyroscopic. W. P. Holzmark. No. 1,060,597; May 6; Gaz. vol. 190; p. 11.
- Aeronautical apparatus. S. Palmowski and W. Chwalkowski. No. 1,069,346; Aug. 5; Gaz. vol. 193; p. 91.
- Aeronautical apparatus. C. D. Burney. No. 1,071,140; Aug. 26; Gaz. vol. 193; p. 804.
- Aeronautical apparatus. C. D. Burney. No. 1,073,567; Sept. 16; Gaz. vol. 194; p. 723.
- Aeronautical apparatus. A. Donath. No. 1,078,614; Nov. 18; Gaz. vol. 196; p. 535.
- Aeroplane. J. and E. Sharp. No. 1,049,540; Jan. 7; Gaz. vol. 186; p. 76.
- Aeroplane. A. J. A. Deperdussin. No. 1,049,820; Jan. 7; Gaz. vol. 186; p. 171.
- Aeroplane. A. M. McIntosh. No. 1,050,222; Jan. 14; Gaz. vol. 186; p. 340.
- Aeroplane. C. L. Hudler. No. 1,050,462; Jan. 14; Gaz. vol. 186; p. 424.
- Aeroplane. J. Eddy. No. 1,050,821; Jan. 21; Gaz. vol. 186; p. 580.

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- Aeroplane. R. A. Merck. No. 1,051,429; Jan. 28; Gaz. vol. 186; p. 822.
- Aeroplane. D., B., and L. Kohnke. No. 1,052,003; Feb. 4; Gaz. vol. 187; p. 54.
- Aeroplane. L. L. Goodrich, Jr. No. 1,052,580; Feb. 11; Gaz. vol. 187; p. 283.
- Aeroplane. H. W. Odlin. No. 1,052,943; Feb. 11; Gaz. vol. 187; p. 409.
- Aeroplane. W. L. Marr. No. 1,053,619; Feb. 18; Gaz. vol. 187; p. 684.
- Aeroplane. J. Anderson. No. 1,054,484; Feb. 25; Gaz. vol. 187; p. 1016.
- Aeroplane. F. A. Helwig. No. 1,054,968; Mar. 4; Gaz. vol. 188; p. 106.
- Aeroplane. P. C. Fox. No. 1,055,393; Mar. 11; Gaz. vol. 188; p. 285.
- Aeroplane. C. R. Johnson. No. 1,055,468; Mar. 11; Gaz. vol. 188; p. 311.
- Aeroplane. A. J. A. Deperdussin. No. 1,055,990; Mar. 11; Gaz. vol. 188; p. 485.
- Aeroplane. J. W. Lyons. No. 1,056,192; Mar. 18; Gaz. vol. 188; p. 588.
- Aeroplane. P. Andersen and A. Nielsen. No. 1,056,390; Mar. 18; Gaz. vol. 188; p. 652.
- Aeroplane. J. F. De Villa. No. 1,056,643; Mar. 18; Gaz. vol. 188; p. 743.
- Aeroplane. J. T. Simpson. No. 1,056,844; Mar. 25; Gaz. vol. 188; p. 841.
- Aeroplane. H. R. Decker. No. 1,057,225; Mar. 25; Gaz. vol. 188; p. 973.
- Aeroplane. W. R. Kirkpatrick. No. 1,057,246; Mar. 25; Gaz. vol. 188; p. 980.
- Aeroplane. N. Fischer. No. 1,058,573; Apr. 8; Gaz. vol. 189; p. 448.
- Aeroplane. W. D. Scott. No. 1,058,634; Apr. 8; Gaz. vol. 189; p. 468.
- Aeroplane. A. C. Bennett. No. 1,058,712; Apr. 15; Gaz. vol. 189; p. 533.
- Aeroplane. W. J. and F. A. Bond. No. 1,060,530; Apr. 29; Gaz. vol. 189; p. 1234.
- Aeroplane. B. T. B. Hyde and A. Gaul, Jr. No. 1,061,242; May 6; Gaz. vol. 190; p. 233.
- Aeroplane. S. N. Malterner. No. 1,061,917; May 13; Gaz. vol. 190; p. 495.
- Aeroplane. E. J. and S. A. Randall. No. 1,062,116; May 20; Gaz. vol. 190; p. 606.
- Aeroplane. H. O. Eiane. No. 1,062,772; May 27; Gaz. vol. 190; p. 864.
- Aeroplane. H. J. Kraft. No. 1,063,204; June 3; Gaz. vol. 191; p. 12.
- Aeroplane. J. Volpe. No. 1,063,306; June 3; Gaz. vol. 191; p. 46.
- Aeroplane. J. W. Baker. No. 1,063,315; June 3; Gaz. vol. 191; p. 48.
- Aeroplane. G. Johnston. No. 1,063,802; June 3; Gaz. vol. 191; p. 218.
- Aeroplane. R. Krause. No. 1,063,805; June 3; Gaz. vol. 191; p. 219.
- Aeroplane. A. Sugden. No. 1,063,843; June 3; Gaz. vol. 191; p. 232.
- Aeroplane. H. A. Orme. No. 1,065,389; June 24; Gaz. vol. 191; p. 858.
- Aeroplane. A. Goupy. No. 1,065,799; June 24; Gaz. vol. 191; p. 997.
- Aeroplane. E. P. Vincent. No. 1,066,346; July 1; Gaz. vol. 192; p. 156.
- Aeroplane. T. W. Benoist. No. 1,066,981; July 8; Gaz. vol. 192; p. 403.
- Aeroplane. N. Clark and A. E. Plank. No. 1,067,466; July 15; Gaz. vol. 192; p. 604.
- Aeroplane. J. A. Steinmetz. No. 1,067,559; July 15; Gaz. vol. 192; p. 636.
- Aeroplane. R. F. Burga. No. 1,068,311; July 22; Gaz. vol. 192; p. 926.
- Aeroplane. A. F. W. Macmanus. No. 1,068,437; July 29; Gaz. vol. 192; p. 1008.
- Aeroplane. R. F. Hommel. No. 1,069,332; Aug. 5; Gaz. vol. 193; p. 85.
- Aeroplane. R. Jary. No. 1,071,425; Aug. 26; Gaz. vol. 193; p. 899.
- Aeroplane. F. Mylius. No. 1,074,007; Sept. 23; Gaz. vol. 194; p. 897.
- Aeroplane. H. W. Macomber and F. H. D. Bergmann. No. 1,076,218; Oct. 21; Gaz. vol. 195; p. 614.
- Aeroplane. W. F. Wiles, T. Macleod, and F. W. Wiles. No. 1,076,339; Oct. 21; Gaz. vol. 195; p. 657.
- Aeroplane. B. J. Pressey. No. 1,077,750; Nov. 4; Gaz. vol. 196; p. 175.
- Aeroplane. H. C. Well. No. 1,077,774; Nov. 4; Gaz. vol. 196; p. 184.
- Aeroplane. H. Podolsky. No. 1,077,892; Nov. 4; Gaz. vol. 196; p. 223.
- Aeroplane. B. Brooks. No. 1,078,713; Nov. 18; Gaz. vol. 196; p. 571.
- Aeroplane. G. E. Hanes. No. 1,079,171; Nov. 18; Gaz. vol. 196; p. 730.
- Aeroplane. L. J. Bergdoll. No. 1,080,531; Dec. 9; Gaz. vol. 197; p. 246.
- Aeroplane. L. A. Vachon. No. 1,080,664; Dec. 9; Gaz. vol. 197; p. 290.
- Aeroplane. T. Eising. No. 1,081,029; Dec. 9; Gaz. vol. 197; p. 415.
- Aeroplane. B. J. Pressey. No. 1,081,147; Dec. 9; Gaz. vol. 197; p. 453.
- Aeroplane. J. E. G. Alexander. No. 1,081,420; Dec. 16; Gaz. vol. 197; p. 583.
- Aeroplane. W. E. Shouler. No. 1,081,558; Dec. 16; Gaz. vol. 197; p. 630.
- Aeroplane. J. G. Hanna. No. 1,081,828; Dec. 16; Gaz. vol. 197; p. 720.
- Aeroplane and dirigible balloon, Combined. N. W. Mohr. No. 1,064,240; June 10; Gaz. vol. 191; p. 401.
- Aeroplane attachment. P. Tichay. No. 1,060,958; May 6; Gaz. vol. 190; p. 137.
- Aeroplane, Automatic balancing and horizontal sustaining. G. B. H. Austin. No. 1,052,204; Feb. 4; Gaz. vol. 187; p. 125.
- Aeroplane automatic stabilizer. L. Marmonier. No. 1,050,153; Jan. 14; Gaz. vol. 186; p. 317.
- Aeroplane-blade construction. J. R. Froberg. No. 1,050,530; Jan. 14; Gaz. vol. 186; p. 449.
- Aeroplane control. L. H. Ray. No. 1,067,271; July 15; Gaz. vol. 192; p. 539.
- Aeroplane-control system. E. F. Gallaudet. No. 1,058,422; Apr. 8; Gaz. vol. 189; p. 399.
- Aeroplane-control system. E. F. Gallaudet. No. 1,074,257; Sept. 30; Gaz. vol. 194; p. 1009.
- Aeroplane-controlling apparatus. J. A. Moore. No. 1,078,300; Nov. 11; Gaz. vol. 196; p. 397.
- Aeroplane, Omnibus-. G. Colucci. No. 1,068,108; July 22; Gaz. vol. 192; p. 854.
- Aeroplane-propeller. H. Prince. No. 1,068,271; July 22; Gaz. vol. 192; p. 912.
- Aeroplane-rudder. J. R. Froberg. No. 1,056,329; Mar. 18; Gaz. vol. 188; p. 633.
- Aeroplane-rudder. H. A. Orme. No. 1,074,063; Sept. 23; Gaz. vol. 194; p. 915.
- Aeroplane shock-absorber. W. N. Ensign. No. 1,074,499; Sept. 30; Gaz. vol. 194; p. 1088.
- Aeroplane-stabilizer. W. F. Hensel. No. 1,049,713; Jan. 7; Gaz. vol. 186; p. 135.
- Aeroplane-stabilizer. H. C. Fisk. No. 1,072,710; Sept. 9; Gaz. vol. 194; p. 384.
- Aeroplane-stabilizer. H. C. Fisk. No. 1,082,688; Dec. 30; Gaz. vol. 197; p. 1076.
- Aeroplane steering and stabilizing mechanism. G. Mees. No. 1,065,263; June 17; Gaz. vol. 191; p. 777.
- Aeroplane-steering gear. R. Tamplier. No. 1,062,055; May 20; Gaz. vol. 190; p. 584.
- Aeroplane-track. R. Gilardone. No. 1,066,203; July 1; Gaz. vol. 192; p. 106.
- Aeroplanes and other flying-machines, Bomb for use with. H. S. Maxim. No. 1,052,606; Feb. 11; Gaz. vol. 187; p. 292.
- Aeroplanes and other flying-machines, Bomb for use with. H. S. Maxim. No. 1,077,990; Nov. 11; Gaz. vol. 196; p. 289.
- Aeroplanes and other flying-machines, Bomb for use with. H. S. Maxim. No. 1,078,298; Nov. 11; Gaz. vol. 196; p. 395.
- Aeroplanes, Automatic balance for. L. Spiro. No. 1,074,659; Oct. 7; Gaz. vol. 195; p. 25.
- Aeroplanes, Automatic lateral and longitudinal balance for. P. Allinlo. No. 1,062,074; May 20; Gaz. vol. 190; p. 591.
- Aeroplanes, Automatic stabilizer for. T. Windel. No. 1,078,888; Nov. 18; Gaz. vol. 196; p. 631.
- Aeroplanes, Balance steering-plane for. W. L. Marr. No. 1,059,480; Apr. 22; Gaz. vol. 189; p. 838.
- Aeroplanes, balloons, kites, &c., Propelling and steering structure for. M. K. Kasmar. No. 1,069,880; Aug. 12; Gaz. vol. 193; p. 303.
- Aeroplanes, Chassis for. C. Paulal. No. 1,058,256; Apr. 8; Gaz. vol. 189; p. 340.
- Aeroplanes, &c., Ejector for apparatus for sustaining and propelling. L. A. Hayot. No. 1,069,694; Aug. 12; Gaz. vol. 193; p. 237.
- Aeroplanes, Lifting-propeller for. B. von Bültzingslöwen. No. 1,071,697; Sept. 2; Gaz. vol. 194; p. 9.
- Aeroplanes, Means for improving the stability of. H. S. Wildeblood. No. 1,078,477; Nov. 11; Gaz. vol. 196; p. 457.
- Aeroplanes or flying-machines, Bomb for use in connection with. H. S. Maxim. No. 1,077,989; Nov. 11; Gaz. vol. 196; p. 288.
- Aeroplanes, Parachute attachment for. S. Drake. No. 1,051,709; Jan. 28; Gaz. vol. 186; p. 916.
- Aeroplanes, &c., Strut for. G. R. E. Reimers. No. 1,081,467; Dec. 16; Gaz. vol. 197; p. 600.
- Aerostat. J. R. Gammeter. (Reissue.) No. 13,548; Apr. 1; Gaz. vol. 189; p. 216.
- Agitating and mixing apparatus. W. Symmes. No. 1,065,852; June 24; Gaz. vol. 191; p. 1015.
- Agitating and mixing apparatus. W. E. Trent. No. 1,083,878; Sept. 23; Gaz. vol. 194; p. 853.
- Agitating device. J. H. Hathaway. No. 1,054,201; Feb. 25; Gaz. vol. 187; p. 918.
- Agitator. F. E. Marcy. No. 1,082,431; Dec. 23; Gaz. vol. 197; p. 954.

Alphabetical list of inventions—Continued.

- Agricultural implement. M. L. Akers. No. 1,050,710; Jan. 14; Gaz. vol. 186; p. 506.
- Agricultural implement. H. H. Boenker. No. 1,051,801; Jan. 28; Gaz. vol. 186; p. 945.
- Agricultural implement. W. H. Rice. No. 1,053,221; Feb. 18; Gaz. vol. 187; p. 546.
- Agricultural implement. P. Broman and J. Offermann. No. 1,058,657; Apr. 8; Gaz. vol. 189; p. 477.
- Agricultural implement. J. Olson. No. 1,062,602; May 27; Gaz. vol. 190; p. 809.
- Agricultural implement. H. H. Boenker. No. 1,064,045; June 10; Gaz. vol. 191; p. 334.
- Agricultural implement. R. L. Walker. No. 1,065,990; July 1; Gaz. vol. 192; p. 30.
- Agricultural implement. A. H. Lamont. No. 1,070,493; Aug. 19; Gaz. vol. 193; p. 555.
- Agricultural implement. C. Christensen. No. 1,074,310; Sept. 30; Gaz. vol. 194; p. 1026.
- Agricultural implement. P. W. Smith. No. 1,076,461; Oct. 21; Gaz. vol. 195; p. 700.
- Agricultural implement. G. B. Griggs. No. 1,076,761; Oct. 28; Gaz. vol. 195; p. 859.
- Agricultural implement. D. B. Vanderwater. No. 1,077,443; Nov. 4; Gaz. vol. 196; p. 72.
- Agricultural implement. J. D. Martens. No. 1,078,792; Nov. 18; Gaz. vol. 196; p. 599.
- Agricultural implement. R. E. Davison. No. 1,079,114; Nov. 18; Gaz. vol. 196; p. 710.
- Agricultural implement, Combination. J. A. Hollander. No. 1,055,044; Mar. 4; Gaz. vol. 188; p. 133.
- Agricultural implement, Combination. H. E. E. Molken-thin. No. 1,080,842; Dec. 9; Gaz. vol. 197; p. 355.
- Agricultural implement safety-guard. A. Pohl. No. 1,074,460; Sept. 30; Gaz. vol. 194; p. 1076.
- Agricultural implement, Traction. T. M. Edwards. No. 1,053,485; Feb. 18; Gaz. vol. 187; p. 639.
- Agricultural implements, Steering mechanism for wheeled. E. Gröschner. No. 1,050,125; Jan. 14; Gaz. vol. 186; p. 307.
- Agricultural instrument. W. H. Rice. No. 1,081,915; Dec. 16; Gaz. vol. 197; p. 747.
- Agricultural machine. C. W. Hood. No. 1,051,589; Jan. 28; Gaz. vol. 186; p. 877.
- Agricultural machine. F. Siemann. No. 1,053,657; Feb. 18; Gaz. vol. 187; p. 697.
- Agricultural machine. G. Trompeter. No. 1,073,373; Sept. 16; Gaz. vol. 194; p. 657.
- Agricultural machine. J. L. O'Neill. No. 1,079,139; Nov. 18; Gaz. vol. 196; p. 719.
- Agricultural machine. W. R. Arbour and J. W. Lepine. No. 1,080,799; Dec. 9; Gaz. vol. 197; p. 339.
- Agricultural machine. E. B. Cushman. No. 1,082,847; Dec. 30; Gaz. vol. 197; p. 1132.
- Agricultural machinery coupling. D. M. Engel. No. 1,060,441; Apr. 29; Gaz. vol. 189; p. 1204.
- Agricultural traction implement. W. J. Gardner. No. 1,059,140; Apr. 15; Gaz. vol. 189; p. 684.
- Air-accumulator. O. S. Emerson. No. 1,068,579; July 29; Gaz. vol. 192; p. 1056.
- Air-admission regulator. W. F. Green and L. C. Gates. No. 1,070,449; Aug. 19; Gaz. vol. 193; p. 539.
- Air and gas compressor. J. H. Hurst. No. 1,082,156; Dec. 23; Gaz. vol. 197; p. 858.
- Air and gas mixer. E. C. Jones. No. 1,074,266; Sept. 30; Gaz. vol. 194; p. 1011.
- Air and gas regulator. P. Cramer. No. 1,050,617; Jan. 14; Gaz. vol. 186; p. 478.
- Air and gases by means of liquid accelerated by a rotor-wheel, Process of and apparatus for rarefying and compressing. C. H. Jaeger. No. 1,063,034; May 27; Gaz. vol. 190; p. 951.
- Air and other gas compressors, Apparatus for controlling. G. E. Huttelmaier. No. 1,080,452; Dec. 2; Gaz. vol. 197; p. 187.
- Air and other gases, Apparatus for testing. M. Arndt. No. 1,063,946; June 10; Gaz. vol. 191; p. 299.
- Air and other gases, Testing apparatus for. M. Arndt. No. 1,065,652; June 24; Gaz. vol. 191; p. 948.
- Air, Apparatus employed in flight through the. B. Ames. No. 1,051,659; Jan. 28; Gaz. vol. 186; p. 900.
- Air, Apparatus for moistening, deodorizing, disinfecting, perfuming, and cooling. F. Lesser and A. H. Avery. No. 1,068,064; July 22; Gaz. vol. 192; p. 840.
- Air, Apparatus for producing dry heated. G. Erlwein. No. 1,069,241; Aug. 5; Gaz. vol. 193; p. 55.
- Air-blast heater. E. Hohmann. No. 1,079,764; Nov. 25; Gaz. vol. 196; p. 965.
- Air-brake. R. D. Buswell. No. 1,074,601; Oct. 7; Gaz. vol. 195; p. 5.
- Air-brake and appurtenances for vehicles. E. W. Woolley. No. 1,050,414; Jan. 14; Gaz. vol. 186; p. 406.
- Air-brake apparatus. H. F. Bickel. No. 1,076,543; Oct. 21; Gaz. vol. 195; p. 729.
- Air-brake applier, Automatic. C. E. Hall. No. 1,081,303; Dec. 16; Gaz. vol. 197; p. 544.
- Air-brake attachment. C. E. Faulks. No. 1,059,290; Apr. 15; Gaz. vol. 189; p. 735.
- Air brake, Combined automatic and straight-. J. W. Cloud. No. 1,075,549; Oct. 14; Gaz. vol. 195; p. 359.
- Air brake, Combined automatic and straight-. G. A. Boyden. No. 1,075,811; Oct. 14; Gaz. vol. 195; p. 447.
- Air-brake control, Automatic. M. K. Grosshelm. No. 1,050,825; Jan. 21; Gaz. vol. 186; p. 581.
- Air-brake coupling or conductor, Automatic. M. A. Brown. No. 1,070,110; Aug. 12; Gaz. vol. 193; p. 381.
- Air-brake hose-coupling. F. and V. J. Roberts. (Reissue.) No. 13,666; Dec. 30; Gaz. vol. 197; p. 1270.
- Air-brake-mechanism safety appliance. W. M. Crandall. No. 1,078,663; Nov. 18; Gaz. vol. 196; p. 551.
- Air-brake-pipe hanger for railway-cars. R. W. Burnett. No. 1,070,770; Aug. 19; Gaz. vol. 193; p. 648.
- Air-brake system. F. H. Dukesmith. No. 1,064,624; June 10; Gaz. vol. 191; p. 531.
- Air-brake system. G. Macloskie. No. 1,081,316; Dec. 16; Gaz. vol. 197; p. 548.
- Air-brake-system auxiliary reservoirs, Apparatus for the recharging of. H. T. Kleckner. No. 1,082,344; Dec. 23; Gaz. vol. 197; p. 926.
- Air-brake systems, Device for heating. J. S. Shoemaker. No. 1,079,611; Nov. 25; Gaz. vol. 196; p. 911.
- Air-brake-tube connection. P. Gentile and A. Del Giudice. No. 1,070,885; Aug. 19; Gaz. vol. 193; p. 684.
- Air-carbureting device. G. P. J. Lion. No. 1,065,819; June 24; Gaz. vol. 191; p. 1004.
- Air-carbureting device. G. P. J. Lion. No. 1,066,295; July 1; Gaz. vol. 192; p. 140.
- Air-cleaner and ventilator. H. M. Robertson. No. 1,067,759; July 15; Gaz. vol. 192; p. 703.
- Air compressing and storage apparatus. R. Diesel. No. 1,066,261; July 1; Gaz. vol. 192; p. 128.
- Air-compressing apparatus. J. Desmond. No. 1,056,511; Mar. 18; Gaz. vol. 188; p. 698.
- Air-compressor. J. R. Kinney. No. 1,054,211; Feb. 25; Gaz. vol. 187; p. 923.
- Air-compressor. W. S. Fairhurst. No. 1,057,135; Mar. 25; Gaz. vol. 188; p. 943.
- Air-compressor. E. Murphy. No. 1,057,575; Apr. 1; Gaz. vol. 189; p. 61.
- Air-compressor. J. R. Kinney. No. 1,061,181; May 6; Gaz. vol. 190; p. 212.
- Air-compressor. W. Reavell. No. 1,070,733; Aug. 19; Gaz. vol. 193; p. 635.
- Air-compressor. L. G. Stone. No. 1,070,929; Aug. 19; Gaz. vol. 193; p. 698.
- Air-compressor. L. G. Stone. (Reissue.) No. 13,645; Nov. 11; Gaz. vol. 196; p. 502.
- Air-compressor. E. Hill. No. 1,080,063; Dec. 2; Gaz. vol. 197; p. 51.
- Air-compressor. W. E. Ver Planck. No. 1,080,737; Dec. 9; Gaz. vol. 197; p. 315.
- Air-compressor air and oil separator. A. F. Berghahn. No. 1,064,429; June 10; Gaz. vol. 191; p. 467.
- Air-compressor air-cooler. H. E. MacCamy. No. 1,055,196; Mar. 4; Gaz. vol. 188; p. 182.
- Air-compressor, Electric. S. P. Smith and C. W. Keiver. No. 1,064,103; June 10; Gaz. vol. 191; p. 354.
- Air-compressor governor. R. Conrader. No. 1,053,904; Feb. 18; Gaz. vol. 187; p. 779.
- Air-compressor governor, Centrifugal. R. H. Rice. No. 1,080,717; Dec. 9; Gaz. vol. 197; p. 307.
- Air-compressor, Hydraulic. C. Heirich. No. 1,057,961; Apr. 1; Gaz. vol. 189; p. 193.
- Air-compressors, Automatic control for. W. L. Pickett. No. 1,052,619; Feb. 11; Gaz. vol. 187; p. 297.
- Air-compressors, Governing mechanism for centrifugal. R. H. Rice. No. 1,061,689; May 13; Gaz. vol. 190; p. 424.
- Air-compressors, Preventing pulsations in centrifugal. L. C. Loewenstein. No. 1,063,558; June 3; Gaz. vol. 191; p. 132.
- Air-compressors, Thermal control for. E. Hill. No. 1,068,432; July 29; Gaz. vol. 192; p. 1006.
- Air-conditioning apparatus. S. W. Cramer. No. 1,073,095; Sept. 16; Gaz. vol. 194; p. 559.
- Air-conditioning apparatus. S. W. Cramer. No. 1,073,096; Sept. 16; Gaz. vol. 194; p. 559.
- Air-conditioning apparatus. S. W. Cramer. No. 1,073,475; Sept. 16; Gaz. vol. 194; p. 693.
- Air-conditioning apparatus. S. W. Cramer and W. B. Hodge. No. 1,075,197; Oct. 7; Gaz. vol. 195; p. 210.
- Air-cooler. A. Anderson. No. 1,051,661; Jan. 28; Gaz. vol. 186; p. 901.
- Air-cooler. A. Elson. No. 1,081,595; Dec. 16; Gaz. vol. 197; p. 641.
- Air-cooling apparatus. W. H. Carrier. No. 1,078,608; Nov. 18; Gaz. vol. 196; p. 533.
- Air-coupling, Automatic. F. N. Fisher. No. 1,074,356; Sept. 30; Gaz. vol. 194; p. 1042.
- Air-craft. J. Pobuta. No. 1,075,791; Oct. 14; Gaz. vol. 195; p. 440.
- Air-craft, Apparatus for defending against. J. A. Steinmetz. No. 1,067,773; July 15; Gaz. vol. 192; p. 709.
- Air-craft, Automatic stabilizer for. C. B. Thomas. No. 1,051,783; Jan. 28; Gaz. vol. 186; p. 939.
- Air-current equalizer. C. Goodwin. No. 1,053,025; Feb. 11; Gaz. vol. 187; p. 434.
- Air-cylinder. J. J. Olson. No. 1,050,287; Jan. 14; Gaz. vol. 186; p. 362.

Alphabetical list of inventions—Continued.

- Air, Device for modifying the physical state of. F. Berardi. No. 1,081,523; Dec. 16; Gaz. vol. 197; p. 619.
- Air, Device for the production of pure. H. Mestern. No. 1,054,589; Feb. 25; Gaz. vol. 187; p. 1051.
- Air-discharging and condensation-returning apparatus. W. T. Young. No. 1,066,776; July 8; Gaz. vol. 192; p. 335.
- Air-distributing device. A. E. Bossé. No. 1,082,492; Dec. 30; Gaz. vol. 197; p. 1006.
- Air-drill, End-spindle. A. Scott. No. 1,052,521; Feb. 11; Gaz. vol. 187; p. 264.
- Air-drying and sterilizing device. R. P. Van Calcar, J. Ellermann, and H. J. Martijn. No. 1,067,693; July 15; Gaz. vol. 192; p. 682.
- Air-drying apparatus. C. H. Leinert. No. 1,060,269; Apr. 29; Gaz. vol. 189; p. 1142.
- Air-ejector. D. B. Morison. No. 1,055,210; Mar. 4; Gaz. vol. 188; p. 186.
- Air-engine. F. A. Allen. No. 1,052,707; Feb. 11; Gaz. vol. 187; p. 326.
- Air-feeding attachment. F. N. Cooke. No. 1,079,636; Nov. 25; Gaz. vol. 196; p. 918.
- Air-heater. J. Lawrence. No. 1,052,834; Feb. 11; Gaz. vol. 187; p. 370.
- Air-heater, Electric. L. A. Bill. No. 1,064,190; June 10; Gaz. vol. 191; p. 385.
- Air-heating device, Electric. F. P. Mies. No. 1,050,372; Jan. 14; Gaz. vol. 186; p. 392.
- Air-humidor. J. W. Rahn. No. 1,057,273; Mar. 25; Gaz. vol. 188; p. 989.
- Air-inlet device. W. H. Hamner. No. 1,050,214; Jan. 14; Gaz. vol. 186; p. 337.
- Air motor, Compressed-. I. Basinski. No. 1,065,425; June 24; Gaz. vol. 191; p. 871.
- Air or gas pumping apparatus, Centrifugal. W. Kieser. No. 1,056,688; Mar. 18; Gaz. vol. 188; p. 757.
- Air or water motor. W. H. Southwick. No. 1,076,713; Oct. 28; Gaz. vol. 195; p. 843.
- Air-oxygenating apparatus. H. W. Izod. No. 1,074,550; Sept. 30; Gaz. vol. 194; p. 1103.
- Air-pipe dust-catcher. J. W. Young. No. 1,080,399; Dec. 2; Gaz. vol. 197; p. 171.
- Air, Producing so-called ozonized. J. Todd. No. 1,066,065; July 1; Gaz. vol. 192; p. 57.
- Air-propelling mechanism. C. H. Treat. No. 1,051,852; Jan. 28; Gaz. vol. 186; p. 963.
- Air-starter and relief valve. C. Rorabeck. No. 1,066,756; July 8; Gaz. vol. 192; p. 329.
- Air-strainer. N. T. Woods. No. 1,062,942; May 27; Gaz. vol. 190; p. 922.
- Air, System for purifying, humidifying, and controlling the humidity of. W. H. Carrier. No. 1,059,976; Apr. 29; Gaz. vol. 189; p. 1043.
- Air-tempering device. M. McGerry and F. P. Mies. No. 1,050,484; Jan. 14; Gaz. vol. 186; p. 433.
- Air-tight box. P. S. Bauer. No. 1,080,190; Dec. 2; Gaz. vol. 197; p. 95.
- Air-washer. S. R. Sheldon. No. 1,062,124; May 20; Gaz. vol. 190; p. 608.
- Air-washers, Rotary control for spray-heads for. S. R. Sheldon. No. 1,063,295; June 3; Gaz. vol. 191; p. 43.
- Airship. R. Carlson. No. 1,050,337; Jan. 14; Gaz. vol. 186; p. 380.
- Airship. W. C. Zimmerman. No. 1,050,415; Jan. 14; Gaz. vol. 186; p. 406.
- Airship. J. Darche. No. 1,050,921; Jan. 21; Gaz. vol. 186; p. 617.
- Airship. M. Geldner. No. 1,052,661; Feb. 11; Gaz. vol. 187; p. 311.
- Airship. J. N. Highland. No. 1,055,533; Mar. 11; Gaz. vol. 188; p. 331.
- Airship. M. A. Herbert. No. 1,057,831; Apr. 1; Gaz. vol. 189; p. 149.
- Airship. D. H. Coles. No. 1,059,036; Apr. 15; Gaz. vol. 189; p. 648.
- Airship. U. G. White. No. 1,059,247; Apr. 15; Gaz. vol. 189; p. 719.
- Airship. L. J. Evans. No. 1,061,363; May 13; Gaz. vol. 190; p. 309.
- Airship. C. D. Browne. No. 1,061,445; May 13; Gaz. vol. 190; p. 337.
- Airship. T. S. C. Lowe. No. 1,061,484; May 13; Gaz. vol. 190; p. 351.
- Airship. C. A. Lewis. No. 1,062,545; May 20; Gaz. vol. 190; p. 747.
- Airship. H. Leineweber. No. 1,064,232; June 10; Gaz. vol. 191; p. 399.
- Airship. D. S. Thomas. No. 1,064,872; June 17; Gaz. vol. 191; p. 650.
- Airship. W. J. Wells and D. Lewis. No. 1,067,086; July 8; Gaz. vol. 192; p. 437.
- Airship. J. S. Jorgensen. No. 1,068,501; July 29; Gaz. vol. 192; p. 1029.
- Airship. J. E. De Baun. No. 1,070,782; Aug. 19; Gaz. vol. 193; p. 653.
- Airship. A. Bryant. No. 1,071,505; Aug. 26; Gaz. vol. 193; p. 925.
- Airship. A. R. Silverston. No. 1,072,663; Sept. 9; Gaz. vol. 194; p. 368.
- Airship. A. R. Silverston. No. 1,072,664; Sept. 9; Gaz. vol. 194; p. 368.
- Airship. I. Allen. No. 1,074,031; Sept. 23; Gaz. vol. 194; p. 904.
- Airship. J. W. Boughton. No. 1,075,540; Oct. 14; Gaz. vol. 195; p. 355.
- Airship. F. Sifferman. No. 1,077,004; Oct. 28; Gaz. vol. 195; p. 946.
- Airship. J. C. Schleicher. No. 1,077,563; Nov. 4; Gaz. vol. 196; p. 113.
- Airship. C. E. Myers. No. 1,078,455; Nov. 11; Gaz. vol. 196; p. 451.
- Airship. B. F. Stoner. No. 1,080,498; Dec. 2; Gaz. vol. 197; p. 203.
- Airship. D. G. Newsome. No. 1,082,039; Dec. 23; Gaz. vol. 197; p. 820.
- Airship. J. E. Allen. No. 1,082,472; Dec. 23; Gaz. vol. 197; p. 966.
- Airship, aeroplane, or aerostat. E. T. Willows. No. 1,061,434; May 13; Gaz. vol. 190; p. 333.
- Airship and other vessel. A. A. Remington. No. 1,071,180; Aug. 26; Gaz. vol. 193; p. 818.
- Airship, Military and passenger. J. E. Cooper. No. 1,056,503; Mar. 18; Gaz. vol. 188; p. 695.
- Airship-propeller. W. McCairns. No. 1,061,961; May 13; Gaz. vol. 190; p. 511.
- Airship speed-indicator and package-dropper. F. P. Peel. No. 1,081,984; Dec. 23; Gaz. vol. 197; p. 800.
- Airship-stabilizer. A. O. Paulson. No. 1,063,137; May 27; Gaz. vol. 190; p. 985.
- Airships, Haven for dirigible. W. Fischer. No. 1,058,169; Apr. 8; Gaz. vol. 189; p. 310.
- Airships, Parachute attachment for. W. A. Nagel. No. 1,072,764; Sept. 9; Gaz. vol. 194; p. 403.
- Airships, Suspension of the cars of. E. Blochmann. No. 1,074,830; Oct. 7; Gaz. vol. 195; p. 82.
- Alarm: See Automatic alarm; Burglar-alarm; Burglar and fire alarm; Detonating alarm; Drip-pan alarm; Electric alarm; Electric automatic alarm; Electric high and low water alarm; Elevator-alarm; Fire-alarm; Fire and burglar alarm; Gas-alarm; Heat-alarm; Heat or fire alarm; Incubator-alarm; Lock-alarm; Low-water alarm; Scale-alarm; Storm and surge alarm; Suitcase-alarm; Thermostatic alarm; Tire-alarm; Vacuum-alarm; Water-level alarm.
- Alarm. E. C. Ricker. No. 1,054,448; Feb. 25; Gaz. vol. 187; p. 1003.
- Alarm. J. B. Willsea. No. 1,067,159; July 8; Gaz. vol. 192; p. 463.
- Alarm. W. Sandham. No. 1,071,182; Aug. 26; Gaz. vol. 193; p. 818.
- Alarm and signal device, Automatic. J. D. Nelson. No. 1,060,781; May 6; Gaz. vol. 190; p. 74.
- Alarm attachment for doors and windows. T. L. McGovern and F. W. Allen. No. 1,074,003; Sept. 23; Gaz. vol. 194; p. 896.
- Alarm device. P. J. Meahl. No. 1,053,524; Feb. 18; Gaz. vol. 187; p. 652.
- Alarm device. V. B. Teachout. No. 1,060,379; Apr. 29; Gaz. vol. 189; p. 1182.
- Alarm device. J. Bartl. No. 1,065,497; June 24; Gaz. vol. 191; p. 896.
- Alarm device. E. Auffero. No. 1,082,458; Dec. 23; Gaz. vol. 197; p. 961.
- Alarm for preventing theft. J. R. Quain. No. 1,057,879; Apr. 1; Gaz. vol. 189; p. 166.
- Alarm-lock. M. Sheinman. (Reissue.) No. 13,594; July 8; Gaz. vol. 192; p. 492.
- Alarm-lock for doors. O. Clark and J. Chapman. No. 1,068,738; July 29; Gaz. vol. 192; p. 1112.
- Alarm or signaling apparatus. S. Scognamillo. No. 1,068,939; July 29; Gaz. vol. 192; p. 1184.
- Alarm-signal. A. Levorsen. No. 1,063,703; June 3; Gaz. vol. 191; p. 187.
- Alarm system. O. B. Kaiser. No. 1,073,582; Sept. 16; Gaz. vol. 194; p. 728.
- Alarm system, Electric. A. U. and S. E. Weaver. No. 1,052,538; Feb. 11; Gaz. vol. 187; p. 269.
- Alarm system, Supervisory. J. G. Nolen. No. 1,082,606; Dec. 30; Gaz. vol. 197; p. 1048.
- Alarm system, Supervisory. J. G. Nolen. No. 1,082,703; Dec. 30; Gaz. vol. 197; p. 1082.
- Alarms or other devices, Apparatus for operating. G. I. Rockwood. No. 1,051,266; Jan. 21; Gaz. vol. 186; p. 733.
- Albumen powder, Producing soluble. R. Bass. No. 1,066,364; July 1; Gaz. vol. 192; p. 162.
- Albumin-iron-phosphorus compounds and making same. E. Preiswerk. No. 1,072,989; Sept. 9; Gaz. vol. 194; p. 487.
- Albumins to the original state, Restoring coagulated. A. H. Rasche. No. 1,076,232; Oct. 21; Gaz. vol. 195; p. 619.
- Albuminimeter. A. Kwilecki. No. 1,056,913; Mar. 25; Gaz. vol. 188; p. 865.
- Alcohol, Apparatus for making diacetone. C. W. Crockett. No. 1,075,284; Oct. 7; Gaz. vol. 195; p. 242.
- Alcohol from air passed through fermenting-vats or the like, Regaining. A. Zeckendorf. No. 1,051,051; Jan. 21; Gaz. vol. 186; p. 662.

Alphabetical list of inventions—Continued.

- Alcohol from sulfite liquor, Manufacturing. P. G. Ekström. No. 1,050,723; Jan. 14; Gaz. vol. 186; p. 510.
- Alcohol or powder appliance. S. A. Miller. No. 1,073,155; Sept. 16; Gaz. vol. 194; p. 579.
- Alcohol, Producing diacetone. W. F. Doerflinger. No. 1,066,474; July 8; Gaz. vol. 192; p. 228.
- Alcohols with therapeutically-active acids, Esters of polyhalogen compounds of. R. Wolfenstein. No. 1,072,289; Sept. 2; Gaz. vol. 194; p. 209.
- Alfalfa, Milling. T. Ponsar. No. 1,056,297; Mar. 18; Gaz. vol. 188; p. 623.
- Allimentary products from soy-beans, Manufacturing. F. Gössel. No. 1,082,118; Dec. 23; Gaz. vol. 197; p. 846.
- Alimentary products, Manufacture of. P. Müller. No. 1,061,488; May 13; Gaz. vol. 190; p. 352.
- Allimentary products, Manufacture of. P. Müller. No. 1,075,720; Oct. 14; Gaz. vol. 195; p. 417.
- Allimentary products, Manufacture of. P. Müller. No. 1,080,920; Dec. 9; Gaz. vol. 197; p. 381.
- Alkali chlorids, Apparatus for electrolysis of fused. E. Steinbuch. No. 1,074,988; Oct. 7; Gaz. vol. 195; p. 135.
- Alkali-chromate solutions, Making. J. H. Payne. No. 1,081,625; Dec. 16; Gaz. vol. 197; p. 650.
- Alkali compound of dioxylaminoarsenobenzene. P. Ehrlich and A. Berthelm. No. 1,059,983; Apr. 29; Gaz. vol. 189; p. 1045.
- Alkali-metal hydroxids directly from alkali-metal chlorids, Producing. J. Kersten. No. 1,072,010; Sept. 2; Gaz. vol. 194; p. 117.
- Alkali metals in the form of nitrates from minerals, Extracting. A. Messerschmidt. No. 1,076,508; Oct. 21; Gaz. vol. 195; p. 717.
- Alkali metals, Producing. J. E. Bucher. No. 1,079,974; Dec. 2; Gaz. vol. 197; p. 19.
- Alkali salts of the 3,3'-diamino-4,4'-dioxarsenobenzene and making same, Preparation from. P. Ehrlich and B. Reuter. No. 1,078,135; Nov. 11; Gaz. vol. 196; p. 338.
- Alkalis from silicate rocks, Recovering. S. Gelléri. No. 1,078,495; Nov. 11; Gaz. vol. 196; p. 463.
- Alkalis from silicates, Recovering. S. Gelléri. No. 1,078,496; Nov. 11; Gaz. vol. 196; p. 463.
- Alkaloid salts, Preparing. W. Straub. No. 1,061,139; May 6; Gaz. vol. 190; p. 199.
- Alkyl derivatives and substituted alkyl derivatives of hydrocuprene, Manufacture and production of. H. Thron and C. Freund. No. 1,062,203; May 20; Gaz. vol. 190; p. 635.
- Alkylhomopiperonylamins and making them. H. Decker. No. 1,073,966; Sept. 23; Gaz. vol. 194; p. 883.
- Alkylsulfites of amino-substituted pyrazolones and making same. M. Bockmühl and G. Ebert. No. 1,056,881; Mar. 25; Gaz. vol. 188; p. 854.
- Alloy. F. M. Becket. No. 1,062,430; May 20; Gaz. vol. 190; p. 711.
- Alloy. A. L. Brooke and R. D. Mackintosh. No. 1,070,007; Aug. 12; Gaz. vol. 193; p. 346.
- Alloy. W. Rübel. No. 1,076,455; Oct. 21; Gaz. vol. 195; p. 698.
- Alloy, Aluminum. W. A. McAdams. No. 1,072,017; Sept. 2; Gaz. vol. 194; p. 120.
- Alloy and producing the same, Aluminum. W. A. McAdams. No. 1,076,137; Oct. 21; Gaz. vol. 195; p. 587.
- Alloy, Copper. W. F. Nolen. No. 1,074,285; Sept. 30; Gaz. vol. 194; p. 1018.
- Alloy, Copper-aluminum. E. D. Gleason. No. 1,076,973; Oct. 28; Gaz. vol. 195; p. 935.
- Alloy, Iron. J. R. Speer and W. L. Forster. No. 1,071,364; Aug. 26; Gaz. vol. 193; p. 879.
- Alloy, Iron-nickel-copper. G. H. Clamer. No. 1,050,342; Jan. 14; Gaz. vol. 186; p. 382.
- Alloy, Lead. C. P. McConnell. No. 1,075,661; Oct. 14; Gaz. vol. 195; p. 397.
- Alloy, Lead-copper. E. D. Gleason. No. 1,066,403; July 1; Gaz. vol. 192; p. 174.
- Alloy, Lead-copper-tin. E. D. Gleason. No. 1,066,428; July 1; Gaz. vol. 192; p. 181.
- Alloy, Metal. E. Haynes. No. 1,057,423; Apr. 1; Gaz. vol. 189; p. 11.
- Alloy, Metal. E. Haynes. No. 1,057,828; Apr. 1; Gaz. vol. 189; p. 148.
- Alloy, Non-corrosive metallic. J. Coup. No. 1,069,113; Aug. 5; Gaz. vol. 193; p. 8.
- Alloy of platinum and osmium. F. Zimmermann. No. 1,055,119; Mar. 4; Gaz. vol. 188; p. 157.
- Alloy, Zinc. T. A. Bayliss. No. 1,074,234; Sept. 30; Gaz. vol. 194; p. 1002.
- Alloys and keeping them in liquid state, Melting ferro. W. Schemmann and J. Bronn. No. 1,061,016; May 6; Gaz. vol. 190; p. 158.
- Alloys, Making. R. A. Hadfield. No. 1,061,373; May 13; Gaz. vol. 190; p. 312.
- Alloys, Manufacture of sodium. E. C. Rossiter. No. 1,073,523; Sept. 16; Gaz. vol. 194; p. 707.
- Alloys, Manufacturing. L. Weiss. No. 1,065,855; June 24; Gaz. vol. 191; p. 1016.
- Alloys, Producing low-carbon ferro-. J. M. Morehead. No. 1,063,280; June 3; Gaz. vol. 191; p. 38.
- Alloys, Producing low-carbon ferro-. I. R. Edmands. No. 1,063,341; June 3; Gaz. vol. 191; p. 58.
- Alloys, Producing low-carbon nickel. E. A. Byrnes. No. 1,059,709; Apr. 22; Gaz. vol. 189; p. 912.
- Alternating-current motor. A. S. McAllister. No. 1,066,831; July 8; Gaz. vol. 192; p. 352.
- Alumina, Purifying. H. F. Chappell. No. 1,079,899; Nov. 25; Gaz. vol. 196; p. 1012.
- Alumina, Purifying. H. F. Chappell and G. E. Cohen. No. 1,079,900; Nov. 25; Gaz. vol. 196; p. 1012.
- Alumina, Recovering pure. O. Serpek. (Reissue.) No. 1,350,9; Jan. 7; Gaz. vol. 186; p. 268.
- Aluminium alloy. W. N. Naylor and S. P. Hutton. No. 1,080,155; Dec. 2; Gaz. vol. 197; p. 83.
- Aluminium alloy. W. N. Naylor and S. P. Hutton. No. 1,080,156; Dec. 2; Gaz. vol. 197; p. 84.
- Aluminium nitrid, Manufacture of. O. Serpek. No. 1,078,313; Nov. 11; Gaz. vol. 196; p. 401.
- Aluminous compounds, Production of. H. Spence and W. B. Llewellyn. No. 1,070,300; Aug. 12; Gaz. vol. 193; p. 447.
- Aluminum-bearing materials, Treatment of. H. P. Bassett. No. 1,079,589; Nov. 25; Gaz. vol. 196; p. 903.
- Aluminum from its ore, Extracting. A. Kisson. No. 1,052,727; Feb. 11; Gaz. vol. 187; p. 331.
- Aluminum hydrate, Precipitating. E. S. Fickes. No. 1,070,438; Aug. 19; Gaz. vol. 193; p. 535.
- Aluminum nitrid, Manufacture of. O. Serpek. No. 1,060,509; Apr. 29; Gaz. vol. 189; p. 1227.
- Aluminum sulfate, Preparing. H. F. D. Schwahn. No. 1,077,309; Nov. 4; Gaz. vol. 196; p. 23.
- Aluminum, Treatment of the surfaces of articles of. A. Lang. No. 1,077,480; Nov. 4; Gaz. vol. 196; p. 85.
- Amalgam-mixer. F. M. Willis. No. 1,066,691; July 8; Gaz. vol. 192; p. 305.
- Amalgamating-concentrator. L. Cannaday. No. 1,059,436; Apr. 22; Gaz. vol. 189; p. 822.
- Amalgamating-pans, Stone muller for. G. A. Gelien. No. 1,057,540; Apr. 1; Gaz. vol. 189; p. 49.
- Amalgamator. H. Luckenbach. No. 1,052,157; Feb. 4; Gaz. vol. 187; p. 109.
- Amalgamator. S. W. Merrick. No. 1,055,777; Mar. 11; Gaz. vol. 188; p. 414.
- Amalgamator. G. A. Gelien. No. 1,056,986; Mar. 25; Gaz. vol. 188; p. 890.
- Amalgamator. E. E. Thibault. No. 1,065,563; June 24; Gaz. vol. 191; p. 918.
- Amalgamator. W. W. Guest. No. 1,067,023; July 8; Gaz. vol. 192; p. 416.
- Amalgamator. A. L. Lawson. No. 1,067,352; July 15; Gaz. vol. 192; p. 567.
- Amalgamator. G. H. Loucks. No. 1,070,048; Aug. 12; Gaz. vol. 193; p. 359.
- Amalgamator. L. O. Crocker. No. 1,074,410; Sept. 30; Gaz. vol. 194; p. 1060.
- Amalgamator. J. I. Anderson. No. 1,079,534; Nov. 25; Gaz. vol. 196; p. 882.
- Amalgamator, Hydraulic. R. L. and J. M. Brown. No. 1,059,524; Apr. 22; Gaz. vol. 189; p. 852.
- Amino-anthraquinones and derivatives thereof, Producing. C. Rampini. No. 1,063,172; May 27; Gaz. vol. 190; p. 998.
- Amino-anthraquinones and derivatives thereof, Producing. C. Rampini. No. 1,063,173; May 27; Gaz. vol. 190; p. 998.
- Ammonia and catalytic agents for use therein, Production of. C. Bosch, A. Mittasch, H. Wolf, and G. Stern. No. 1,068,966; July 29; Gaz. vol. 192; p. 1193.
- Ammonia and catalytic agents for use therein, Production of. C. Bosch, A. Mittasch, H. Wolf, and G. Stern. No. 1,068,967; July 29; Gaz. vol. 192; p. 1193.
- Ammonia and catalytic agents for use therein, Production of. C. Bosch, A. Mittasch, H. Wolf, and G. Stern. No. 1,068,968; July 29; Gaz. vol. 192; p. 1193.
- Ammonia and catalytic agents for use therein, Production of. C. Bosch, A. Mittasch, H. Wolf, and G. Stern. No. 1,068,969; July 29; Gaz. vol. 192; p. 1194.
- Ammonia and other compounds containing nitrogen and hydrogen, Synthetically preparing. F. Hlavati. No. 1,079,705; Nov. 25; Gaz. vol. 196; p. 942.
- Ammonia-compressor. T. Shipley. No. 1,081,159; Dec. 9; Gaz. vol. 197; p. 458.
- Ammonia, Condensing. L. Block. No. 1,056,144; Mar. 18; Gaz. vol. 188; p. 572.
- Ammonia from ammoniacal gases or vapors, Producing sulfate of. H. Koppers. No. 1,073,247; Sept. 16; Gaz. vol. 194; p. 612.
- Ammonia from coal-gas, Obtaining purified. C. G. Tufts. No. 1,065,566; June 24; Gaz. vol. 191; p. 919.
- Ammonia from coal-gases and the like, Recovering. H. Rotermund. No. 1,067,843; July 22; Gaz. vol. 192; p. 766.
- Ammonia-generator. A. E. Bossé. No. 1,054,167; Feb. 25; Gaz. vol. 187; p. 906.
- Ammonia, Making. C. Bosch and A. Mittasch. No. 1,053,951; Feb. 18; Gaz. vol. 187; p. 796.
- Ammonia, Making. C. Bosch and A. Mittasch. No. 1,053,952; Feb. 18; Gaz. vol. 187; p. 797.
- Ammonia, Manufacturing sulfate of. E. Collett. No. 1,052,797; Feb. 11; Gaz. vol. 187; p. 358.

Alphabetical list of inventions—Continued.

- Ammonia, Production of. R. W. Wallace and E. Wassmer. No. 1,083,232; Dec. 30; Gaz. vol. 197; p. 1257.
- Ammonia-rectifier. A. E. Bossé. No. 1,051,383; Jan. 28; Gaz. vol. 186; p. 806.
- Ammonium compounds, Production of. C. P. Steinmetz. No. 1,062,805; May 27; Gaz. vol. 190; p. 876.
- Ammonium nitrate by the ammonia-soda process, Making. F. A. Freeth and H. E. Cocksedge. No. 1,081,107; Dec. 9; Gaz. vol. 197; p. 439.
- Ammonium nitrate from ammoniacal gases, Production of. F. Uhde. No. 1,053,456; Feb. 18; Gaz. vol. 187; p. 628.
- Ammonium nitrate from ammonium sulfate and sodium nitrate, Manufacture of. F. A. Freeth and H. E. Cocksedge. No. 1,051,097; Jan. 21; Gaz. vol. 186; p. 678.
- Ammonium sulfate, Apparatus for the treatment of. J. Vorraber. No. 1,066,067; July 1; Gaz. vol. 192; p. 57.
- Ammonium sulfate, Production of. C. Bosch, A. Mittasch, and L. Hecht. No. 1,063,007; May 27; Gaz. vol. 190; p. 942.
- Ammonium sulfate, Production of. T. H. Easterfield. No. 1,072,840; Sept. 9; Gaz. vol. 194; p. 431.
- Ammunition for rifles, Magazine for miniature. E. J. Hiscock. No. 1,074,948; Oct. 7; Gaz. vol. 195; p. 122.
- Ammunition, &c., Levitating apparatus for conveying. E. Bachelet. No. 1,051,056; Jan. 21; Gaz. vol. 186; p. 664.
- Ammunition-loading apparatus for heavy guns. A. T. Dawson and J. Horne. No. 1,071,606; Aug. 26; Gaz. vol. 193; p. 958.
- Amorphous bodies and product thereof, Treating. E. G. Acheson. No. 1,082,386; Dec. 23; Gaz. vol. 197; p. 940.
- Amphidizing. C. S. Bradley. No. 1,052,793; Feb. 11; Gaz. vol. 187; p. 356.
- Amphidizing apparatus. C. S. Bradley. No. 1,077,036; Oct. 28; Gaz. vol. 195; p. 957.
- Amusement apparatus. H. D. Gardy. No. 1,062,702; May 27; Gaz. vol. 190; p. 842.
- Amusement apparatus. C. Nichols. No. 1,069,629; Aug. 5; Gaz. vol. 193; p. 186.
- Amusement apparatus. J. M. Morris. No. 1,069,715; Aug. 12; Gaz. vol. 193; p. 245.
- Amusement apparatus. L. C. J. Bouracier. No. 1,075,397; Oct. 14; Gaz. vol. 195; p. 307.
- Amusement apparatus. F. E. Maynard. No. 1,082,699; Dec. 30; Gaz. vol. 197; p. 1080.
- Amusement apparatus, Aerial. W. A. Ray. No. 1,058,466; Apr. 8; Gaz. vol. 189; p. 413.
- Amusement apparatus, Racing. H. E. Cawthon and F. L. Thornton. No. 1,064,681; June 10; Gaz. vol. 191; p. 552.
- Amusement device. H. Hyer. No. 1,054,776; Mar. 4; Gaz. vol. 188; p. 43.
- Amusement device. L. D. Navarro. No. 1,056,929; Mar. 25; Gaz. vol. 188; p. 871.
- Amusement device. E. Kohler. No. 1,058,444; Apr. 8; Gaz. vol. 189; p. 406.
- Amusement device. J. Bleiker. No. 1,058,536; Apr. 8; Gaz. vol. 189; p. 437.
- Amusement device. H. F. Maynes. No. 1,058,615; Apr. 8; Gaz. vol. 189; p. 463.
- Amusement device. J. O. Cook. No. 1,059,596; Apr. 22; Gaz. vol. 189; p. 875.
- Amusement device. J. C. Schleicher. No. 1,061,504; May 13; Gaz. vol. 190; p. 358.
- Amusement device. W. F. Wittich. No. 1,062,314; May 20; Gaz. vol. 190; p. 673.
- Amusement device. N. Eby. No. 1,062,899; May 27; Gaz. vol. 190; p. 907.
- Amusement device. C. E. Bedient. No. 1,063,949; June 10; Gaz. vol. 191; p. 300.
- Amusement device. H. G. Traver. No. 1,065,642; June 24; Gaz. vol. 191; p. 944.
- Amusement device. R. A. Best. No. 1,069,522; Aug. 5; Gaz. vol. 193; p. 150.
- Amusement device. J. F. Sherlock and H. Spengler. No. 1,070,546; Aug. 19; Gaz. vol. 193; p. 574.
- Amusement device. E. R. Ernst. No. 1,073,970; Sept. 23; Gaz. vol. 194; p. 884.
- Amusement device. C. G. Wiltz. No. 1,076,257; Oct. 21; Gaz. vol. 195; p. 627.
- Amusement device. W. R. Graham. No. 1,077,340; Nov. 4; Gaz. vol. 196; p. 35.
- Amusement device. J. M. West. No. 1,079,678; Nov. 25; Gaz. vol. 196; p. 932.
- Amusement device and instruction apparatus, Combined. C. T. Shaffer. No. 1,071,101; Aug. 26; Gaz. vol. 193; p. 791.
- Amusement device, Public. G. C. Rodeck. No. 1,081,554; Dec. 16; Gaz. vol. 197; p. 629.
- Anchor. E. W. Johnston. No. 1,051,334; Jan. 21; Gaz. vol. 186; p. 756.
- Anchor. H. Warner. No. 1,057,600; Apr. 1; Gaz. vol. 189; p. 70.
- Anchor. W. J. Kantomaa. No. 1,071,057; Aug. 26; Gaz. vol. 193; p. 776.
- Anchor. V. P. Smith. No. 1,081,163; Dec. 9; Gaz. vol. 197; p. 459.
- Anchor-bolt, Detachable. C. Butler. No. 1,062,534; May 20; Gaz. vol. 190; p. 744.
- Anchor, Earth-. J. Blackburn. No. 1,080,041; Dec. 2; Gaz. vol. 197; p. 43.
- Anchor, Guy-. F. N. Bierce. No. 1,070,663; Aug. 19; Gaz. vol. 193; p. 612.
- Anchor, Guy-. G. E. Beck. No. 1,081,654; Dec. 16; Gaz. vol. 197; p. 660.
- Anchor-rod clip-head. G. W. Wood. No. 1,058,511; Apr. 8; Gaz. vol. 189; p. 428.
- Anchor, Security bond-. J. E. Hammons. No. 1,052,246; Feb. 4; Gaz. vol. 187; p. 140.
- Anchoring device. C. Hamann. No. 1,078,142; Nov. 11; Gaz. vol. 196; p. 341.
- Andiron. J. W. Mitchell. No. 1,070,162; Aug. 12; Gaz. vol. 193; p. 399.
- Anemometer. H. Davis. No. 1,050,350; Jan. 14; Gaz. vol. 186; p. 384.
- Anesthetics, Apparatus for use in administering. S. G. Brown. No. 1,061,161; May 6; Gaz. vol. 190; p. 205.
- Anesthetizing-apparatus attachment. G. Clarke. No. 1,068,628; July 29; Gaz. vol. 192; p. 1074.
- Angle or miter clamp. M. Joachimson. No. 1,081,311; Dec. 16; Gaz. vol. 197; p. 546.
- Angle-rods, Connector for. E. J. Hilgendorf. No. 1,053,173; Feb. 18; Gaz. vol. 187; p. 530.
- Angle-tool. E. D. Sherrill. No. 1,063,937; June 3; Gaz. vol. 191; p. 263.
- Anhydrides, Purifying non-oxidizing organic. G. Ornstein. No. 1,069,168; Aug. 5; Gaz. vol. 193; p. 27.
- Animal-catcher. W. H. Shindoll. No. 1,054,044; Feb. 25; Gaz. vol. 187; p. 865.
- Animal-comb. J. D. Güttinger. No. 1,058,705; Apr. 8; Gaz. vol. 189; p. 494.
- Animal-dip. E. C. Carpenter. No. 1,071,507; Aug. 26; Gaz. vol. 193; p. 926.
- Animal-heads, Treating. E. F. Bloss. No. 1,059,339; Apr. 22; Gaz. vol. 189; p. 788.
- Animal-holder. J. Miller. No. 1,062,109; May 20; Gaz. vol. 190; p. 603.
- Animal-overshoe. Q. Zuber. No. 1,078,479; Nov. 11; Gaz. vol. 196; p. 458.
- Animal-shears. W. M. Cahill. No. 1,053,972; Feb. 25; Gaz. vol. 187; p. 841.
- Animal-shears. G. A. Gilbertson. No. 1,063,429; June 3; Gaz. vol. 191; p. 88.
- Animal-trap. W. A. Link. No. 1,050,220; Jan. 14; Gaz. vol. 186; p. 339.
- Animal-trap. B. A. Shaw. No. 1,052,181; Feb. 4; Gaz. vol. 187; p. 117.
- Animal-trap. C. Miller. No. 1,053,053; Feb. 11; Gaz. vol. 187; p. 445.
- Animal-trap. T. Pritchard. No. 1,053,217; Feb. 18; Gaz. vol. 187; p. 545.
- Animal-trap. S. Stanberry. No. 1,054,050; Feb. 25; Gaz. vol. 187; p. 867.
- Animal-trap. R. L. Crawford. No. 1,054,177; Feb. 25; Gaz. vol. 187; p. 911.
- Animal-trap. B. M. Fikes. No. 1,054,344; Feb. 25; Gaz. vol. 187; p. 967.
- Animal-trap. J. B. Kline. No. 1,054,564; Feb. 25; Gaz. vol. 187; p. 1041.
- Animal-trap. W. C. Gowdy. No. 1,055,163; Mar. 4; Gaz. vol. 188; p. 171.
- Animal-trap. E. H. Sloan, Jr. No. 1,056,714; Mar. 18; Gaz. vol. 188; p. 766.
- Animal-trap. F. F. Ellis. No. 1,058,355; Apr. 8; Gaz. vol. 189; p. 375.
- Animal-trap. J. C. Larsen. No. 1,058,873; Apr. 15; Gaz. vol. 189; p. 591.
- Animal-trap. H. Scott. No. 1,059,006; Apr. 15; Gaz. vol. 189; p. 638.
- Animal-trap. T. J. Burke. No. 1,059,114; Apr. 15; Gaz. vol. 189; p. 675.
- Animal-trap. H. M. Miller. No. 1,059,896; Apr. 22; Gaz. vol. 189; p. 971.
- Animal-trap. H. H. May. No. 1,061,304; May 13; Gaz. vol. 190; p. 289.
- Animal-trap. L. Hildreth. No. 1,061,477; May 13; Gaz. vol. 190; p. 349.
- Animal-trap. C. Hall. No. 1,063,347; June 3; Gaz. vol. 191; p. 60.
- Animal-trap. I. B. Kissell. No. 1,063,976; June 10; Gaz. vol. 191; p. 309.
- Animal-trap. G. N. Hoffman. No. 1,064,647; June 10; Gaz. vol. 191; p. 539.
- Animal-trap. W. W. Hoover. No. 1,065,130; June 17; Gaz. vol. 191; p. 734.
- Animal-trap. J. A. Power. No. 1,065,835; June 24; Gaz. vol. 191; p. 1009.
- Animal-trap. T. J. Ellison. No. 1,066,004; July 1; Gaz. vol. 192; p. 35.
- Animal-trap. A. U. Mershon. No. 1,068,357; July 22; Gaz. vol. 192; p. 942.
- Animal-trap. S. J. Hodge. No. 1,068,400; July 22; Gaz. vol. 192; p. 956.
- Animal-trap. E. Griffith. No. 1,068,894; July 29; Gaz. vol. 192; p. 1168.
- Animal-trap. H. Krippene. No. 1,070,267; Aug. 12; Gaz. vol. 193; p. 434.
- Animal-trap. H. L. Trull. No. 1,072,675; Sept. 9; Gaz. vol. 194; p. 372.

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- Animal-trap. J. Heberling. No. 1,075,034; Oct. 7; Gaz. vol. 195; p. 153.
- Animal-trap. S. Wiehl. No. 1,075,236; Oct. 7; Gaz. vol. 195; p. 223.
- Animal-trap. S. P. Verner. No. 1,075,954; Oct. 14; Gaz. vol. 195; p. 496.
- Animal-trap. J. S. C. Sowar. No. 1,077,104; Oct. 28; Gaz. vol. 195; p. 978.
- Animal-trap. W. Niebuhr. No. 1,077,244; Oct. 28; Gaz. vol. 195; p. 1022.
- Animal-trap. T. J. Burke. No. 1,077,452; Nov. 4; Gaz. vol. 196; p. 75.
- Animal-trap. W. T. Branitzky. No. 1,077,666; Nov. 4; Gaz. vol. 196; p. 147.
- Animal-trap. K. E. Johansson. No. 1,077,912; Nov. 4; Gaz. vol. 196; p. 230.
- Animal-trap. F. M. Nolder. No. 1,078,457; Nov. 11; Gaz. vol. 196; p. 451.
- Animal-trap. W. I. Raymond. No. 1,082,649; Dec. 30; Gaz. vol. 197; p. 1062.
- Animal-trap. S. S. Goldman. No. 1,082,942; Dec. 30; Gaz. vol. 197; p. 1165.
- Animal-trap. O. H. Nebel. No. 1,083,125; Dec. 30; Gaz. vol. 197; p. 1224.
- Animal-trap, Electric. O. Miller. No. 1,055,645; Mar. 11; Gaz. vol. 188; p. 368.
- Animal-trap, Steel. F. F. Ellis. No. 1,056,157; Mar. 18; Gaz. vol. 188; p. 577.
- Animal-trap, Victim-set. J. H. Voss. No. 1,051,469; Jan. 28; Gaz. vol. 186; p. 835.
- Animal-trough. J. Q. Clarke. No. 1,066,710; July 8; Gaz. vol. 192; p. 312.
- Animals from burning structures, Means for removing. C. Docherty. No. 1,081,662; Dec. 16; Gaz. vol. 197; p. 662.
- Animals to drink, Device for teaching young. M. H. Madsen. No. 1,065,459; June 24; Gaz. vol. 191; p. 882.
- Animals while stunning same, Apparatus for holding. F. Wiltmann. No. 1,058,509; Apr. 8; Gaz. vol. 189; p. 428.
- Ankle-joint for artificial feet. A. E. Gaines and A. A. Erb. No. 1,069,409; Aug. 5; Gaz. vol. 193; p. 113.
- Ankle-joint for artificial limbs. E. Bohlander. No. 1,053,352; Feb. 18; Gaz. vol. 187; p. 593.
- Ankle support and protector. H. J. Collis. No. 1,081,366; Dec. 16; Gaz. vol. 197; p. 566.
- Annealing apparatus. H. Hillebrand, Jr. No. 1,064,481; June 10; Gaz. vol. 191; p. 485.
- Annealing apparatus. H. Hillebrand, Jr. No. 1,073,235; Sept. 16; Gaz. vol. 194; p. 608.
- Annealing-box. F. E. Mesta. No. 1,068,260; July 22; Gaz. vol. 192; p. 908.
- Annealing-box. L. C. Steele. No. 1,068,709; July 29; Gaz. vol. 192; p. 1101.
- Annealing-box. J. A. Lawrence. No. 1,080,115; Dec. 2; Gaz. vol. 197; p. 69.
- Annealing-furnace, Non-oxidizing. E. S. Davls. No. 1,052,574; Feb. 11; Gaz. vol. 187; p. 281.
- Annealing process, &c. A. W. Machlet. No. 1,065,697; June 24; Gaz. vol. 191; p. 964.
- Annunciating systems, Operating mechanism for. F. Michaelis. No. 1,073,357; Sept. 16; Gaz. vol. 194; p. 652.
- Annunciator. H. J. Heeney. No. 1,065,683; June 24; Gaz. vol. 191; p. 959.
- Annunciator. C. M. Cagle. No. 1,067,464; July 15; Gaz. vol. 192; p. 604.
- Annunciator. H. D. Bostock. No. 1,081,885; Dec. 16; Gaz. vol. 197; p. 738.
- Annunciator and lighting mechanism, Electric. P. A. Huddleston. No. 1,058,589; Apr. 8; Gaz. vol. 189; p. 453.
- Annunciator and signal system. W. Tribble. No. 1,052,389; Feb. 4; Gaz. vol. 187; p. 185.
- Annunciator, Electrically-operated. T. A. McCanna and A. Greene. No. 1,059,185; Apr. 15; Gaz. vol. 189; p. 699.
- Annunciator or indicator for street and interurban car lines. J. F. Ohmer. No. 1,061,628; May 13; Gaz. vol. 190; p. 402.
- Annunciator-resetting circuit. J. O. Cadieux. No. 1,081,266; Dec. 9; Gaz. vol. 197; p. 493.
- Annunciator system. H. Caldwell. No. 1,058,545; Apr. 8; Gaz. vol. 189; p. 440.
- Annunciator, Train-. S. C. Bryant. No. 1,075,542; Oct. 14; Gaz. vol. 195; p. 356.
- Anthracene compounds and coloring-matters and making same. O. Bally. No. 1,065,102; June 17; Gaz. vol. 191; p. 725.
- Anthracene compounds and making them. M. A. Kunz. No. 1,058,604; Apr. 8; Gaz. vol. 189; p. 459.
- Anthracene series and making same, Condensation products of the. A. Schmidt and G. Kränzlein. No. 1,052,520; Feb. 11; Gaz. vol. 187; p. 263.
- Anthraquinone acridones. A. Lüttringhaus and W. Braren. No. 1,067,046; July 8; Gaz. vol. 192; p. 424.
- Anthraquinone compounds, Producing. J. Boner. No. 1,083,051; Dec. 30; Gaz. vol. 197; p. 1200.
- Anti-rail-creeping device. M. L. Phelps. No. 1,063,060; May 27; Gaz. vol. 190; p. 960.
- Anti-rail-creeping device. E. A. Touceda and F. Chrysler. No. 1,069,304; Aug. 5; Gaz. vol. 193; p. 75.
- Anti-rail-spreader. B. B. Huff and J. E. McKinney. No. 1,052,821; Feb. 11; Gaz. vol. 187; p. 366.
- Antibacterial, Preparing an. J. Tsuzuki. No. 1,058,927; Apr. 15; Gaz. vol. 189; p. 610.
- Anticreeper. E. M. Smith. No. 1,078,562; Nov. 11; Gaz. vol. 196; p. 484.
- Anticreeper device. B. Wolhaupter. No. 1,058,127; Apr. 8; Gaz. vol. 189; p. 296.
- Anticreeper device. W. W. Holland. No. 1,081,305; Dec. 16; Gaz. vol. 197; p. 544.
- Antifriction device. L. H. Baekeland. No. 1,054,265; Feb. 25; Gaz. vol. 187; p. 939.
- Antimony compounds and making same, Organic. L. Kaufmann. No. 1,060,765; May 6; Gaz. vol. 190; p. 69.
- Antiseptic container. E. M. Doeringer and A. C. St. Marie. No. 1,081,493; Dec. 16; Gaz. vol. 197; p. 609.
- Antiseptic protector for mouthpieces. E. A. Dieterich. No. 1,049,822; Jan. 7; Gaz. vol. 186; p. 172.
- Antiseptic waste-cotton receiver. W. L. Smith. No. 1,050,178; Jan. 14; Gaz. vol. 186; p. 326.
- Antisifting box or carton. A. H. Dreux. No. 1,073,103; Sept. 16; Gaz. vol. 194; p. 562.
- Antisiphon-trap. F. Du Mond. No. 1,050,527; Jan. 14; Gaz. vol. 186; p. 448.
- Antisiphon-trap. E. D. Van Denberg. No. 1,069,655; Aug. 5; Gaz. vol. 193; p. 194.
- Antiskid attachment for automobile-tires. J. G. Florack. No. 1,077,401; Nov. 4; Gaz. vol. 196; p. 57.
- Antiskid-chain. R. N. Evans. No. 1,056,981; Mar. 25; Gaz. vol. 188; p. 888.
- Antiskid device for wheels. F. Young. No. 1,056,082; Mar. 18; Gaz. vol. 188; p. 550.
- Antiskid-stud. M. Lorme. No. 1,065,949; July 1; Gaz. vol. 192; p. 16.
- Antiskidding attachment. J. V. Knoth. No. 1,049,734; Jan. 7; Gaz. vol. 186; p. 141.
- Antiskidding attachment. J. C. Butterfield. No. 1,053,971; Feb. 25; Gaz. vol. 187; p. 840.
- Antiskidding attachment to auto-wheels. E. E. Hosmer. No. 1,069,137; Aug. 5; Gaz. vol. 193; p. 16.
- Antiskidding device. W. H. Snyder. No. 1,049,617; Jan. 7; Gaz. vol. 186; p. 103.
- Antiskidding device. H. W. Maurer. No. 1,049,751; Jan. 7; Gaz. vol. 186; p. 147.
- Antiskidding device. P. D. Albert. No. 1,065,096; June 17; Gaz. vol. 191; p. 723.
- Antiskidding device. T. B. Thomas. No. 1,078,322; Nov. 11; Gaz. vol. 196; p. 404.
- Antiskidding device, Automobile. R. A. Moore. No. 1,053,200; Feb. 18; Gaz. vol. 187; p. 540.
- Antiskidding device, Automobile. T. B. Thomas. No. 1,058,204; Apr. 8; Gaz. vol. 189; p. 322.
- Antiskidding device for road-vehicles. M. Clark. No. 1,055,518; Mar. 11; Gaz. vol. 188; p. 326.
- Antiskidding device for vehicle-tires. C. W. Cramer. No. 1,072,579; Sept. 9; Gaz. vol. 194; p. 340.
- Antiskidding device for vehicle-wheels. W. H. Snyder. No. 1,073,446; Sept. 16; Gaz. vol. 194; p. 683.
- Antiskidding device, Tire-. I. D. Meals. No. 1,049,893; Jan. 7; Gaz. vol. 186; p. 194.
- Antiskidding device, Tire-. M. C. Harris. No. 1,053,504; Feb. 18; Gaz. vol. 187; p. 645.
- Antiskidding device, Vehicle. C. W. Cramer. No. 1,071,031; Aug. 26; Gaz. vol. 193; p. 766.
- Antiskidding devices, Tread-section for. H. D. Weed. No. 1,079,907; Nov. 25; Gaz. vol. 196; p. 1014.
- Antiskidding grip-tread. H. D. Weed. No. 1,051,472; Jan. 28; Gaz. vol. 186; p. 836.
- Antiskidding sanding device. C. F. Hultgren. No. 1,052,822; Feb. 11; Gaz. vol. 187; p. 366.
- Antislip device for power-driven vehicles, Pneumatic. B. Douglass, Jr. No. 1,057,044; Mar. 25; Gaz. vol. 188; p. 911.
- Antislipping device. E. A. Dunning. No. 1,062,326; May 20; Gaz. vol. 190; p. 677.
- Antislipping device for vehicle-wheels. W. P. Deonier. No. 1,056,642; Mar. 18; Gaz. vol. 188; p. 742.
- Anvil. J. E. Campbell. No. 1,065,918; July 1; Gaz. vol. 192; p. 4.
- Anvil attachment. A. B. Cline. No. 1,058,220; Apr. 8; Gaz. vol. 189; p. 328.
- Anvil-base. W. Stake. No. 1,080,238; Dec. 2; Gaz. vol. 197; p. 112.
- Anvils. Hardy attachment for. T. E. Totten. No. 1,058,276; Apr. 8; Gaz. vol. 189; p. 347.
- Apparel, Article of. R. J. Casper and W. W. Clark. No. 1,060,229; Apr. 29; Gaz. vol. 189; p. 1128.
- Apparel, Article of wearing-. L. S. Kinnard. No. 1,065,143; June 17; Gaz. vol. 191; p. 737.
- Apparel, Lady's. S. J. Jackson. No. 1,072,466; Sept. 9; Gaz. vol. 194; p. 300.
- Apparel lock, Wearing-. A. Lissner. No. 1,079,655; Nov. 25; Gaz. vol. 196; p. 924.

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- Apparel-securing device. W. A. Pue. No. 1,076,316; Oct. 21; Gaz. vol. 195; p. 649.
- Apparel, Wearing-. M. M. Dryfoos. No. 1,054,519; Feb. 25; Gaz. vol. 187; p. 1027.
- Apparel, Wearing-. W. Buckler. No. 1,068,976; July 29; Gaz. vol. 192; p. 1195.
- Apparel, Wearing-. M. M. Dryfoos. No. 1,079,041; Nov. 18; Gaz. vol. 196; p. 686.
- Apple sorter and cleaner. J. A. Walters. No. 1,081,640; Dec. 16; Gaz. vol. 197; p. 655.
- Apron, Barber's. O. K. Parkhurst. No. 1,062,497; May 20; Gaz. vol. 190; p. 733.
- Apron-blank. L. Daum. No. 1,062,697; May 27; Gaz. vol. 190; p. 840.
- Apron mechanism. W. Schellenbach. No. 1,067,140; July 8; Gaz. vol. 192; p. 457.
- Apron, Preventive intercourse-. S. Wichl. No. 1,075,237; Oct. 7; Gaz. vol. 195; p. 224.
- Aquarium attachment. H. A. Rogers. No. 1,055,082; Mar. 4; Gaz. vol. 188; p. 147.
- Aquatic pleasure structure. J. A. Miller and V. Keenan. No. 1,076,779; Oct. 28; Gaz. vol. 195; p. 866.
- Arbor-holding attachment. E. J. Kearney and T. Trecker. No. 1,053,295; Feb. 18; Gaz. vol. 187; p. 572.
- Arc-light. W. E. Brown and L. C. Granger. No. 1,070,769; Aug. 19; Gaz. vol. 193; p. 648.
- Arch. D. B. Luten. No. 1,060,917; May 6; Gaz. vol. 190; p. 123.
- Arch. D. B. Luten. No. 1,060,918; May 6; Gaz. vol. 190; p. 123.
- Arch. D. B. Luten. No. 1,060,922; May 6; Gaz. vol. 190; p. 124.
- Arch, Metal. P. J. Mayer. No. 1,074,001; Sept. 23; Gaz. vol. 194; p. 895.
- Arch-support. E. A. Tracy. No. 1,053,549; Feb. 18; Gaz. vol. 187; p. 660.
- Arch-support. E. J. Emery. No. 1,061,056; May 6; Gaz. vol. 190; p. 173.
- Arch-support. A. E. Block. No. 1,061,353; May 13; Gaz. vol. 190; p. 306.
- Arch-support. M. W. Hall. No. 1,064,902; June 17; Gaz. vol. 191; p. 659.
- Arch-support. J. W. Arrowsmith. No. 1,077,864; Nov. 4; Gaz. vol. 196; p. 213.
- Arch-support and ankle-straightener, Combined. M. Hirshfield. No. 1,053,600; Feb. 18; Gaz. vol. 187; p. 679.
- Arch-supporter. J. G. Hilhouse. No. 1,054,547; Feb. 25; Gaz. vol. 187; p. 1036.
- Arch-supporter. J. P. Thomas. No. 1,078,708; Nov. 18; Gaz. vol. 196; p. 568.
- Arches and the like, Support for masonry. J. McMahon. No. 1,055,345; Mar. 11; Gaz. vol. 188; p. 369.
- Arches, Apparatus for constructing. A. E. Schuffenhauer. No. 1,076,240; Oct. 21; Gaz. vol. 195; p. 621.
- Archery, Table-. J. Morrison, Jr. No. 1,075,264; Oct. 7; Gaz. vol. 195; p. 235.
- Area-finder apparatus. A. C. Freeman, Jr. No. 1,076,275; Oct. 21; Gaz. vol. 195; p. 633.
- Arithmetical abacus. J. M. de La Rosa. No. 1,081,815; Dec. 16; Gaz. vol. 197; p. 715.
- Arm and cluster picker. E. C. Horst. No. 1,054,122; Feb. 25; Gaz. vol. 187; p. 891.
- Arm, Artificial. W. O. Bagaasen. No. 1,057,611; Apr. 1; Gaz. vol. 189; p. 74.
- Arm attachment and blotter. T. J. Nixon, Jr. No. 1,055,350; Mar. 11; Gaz. vol. 188; p. 271.
- Arms, Supporting-harness for artificial. W. T. Carnes. No. 1,056,499; Mar. 18; Gaz. vol. 188; p. 693.
- Armband, Elastic. C. Weaver. No. 1,070,642; Aug. 19; Gaz. vol. 193; p. 605.
- Armature. O. F. Conklin. No. 1,059,351; Apr. 22; Gaz. vol. 189; p. 792.
- Armature. R. H. Pyle. No. 1,069,902; Aug. 12; Gaz. vol. 193; p. 310.
- Armature-coils, Machine for forming. A. B. Chew. No. 1,057,933; Apr. 1; Gaz. vol. 189; p. 184.
- Armature for magneto-induction machines. G. Honold. No. 1,072,120; Sept. 2; Gaz. vol. 194; p. 154.
- Armature for magneto-induction machines. G. Honold. No. 1,072,228; Sept. 2; Gaz. vol. 194; p. 189.
- Armature-lever pivot for alternating-current magnets. D. Larson. No. 1,062,017; May 20; Gaz. vol. 190; p. 572.
- Armature-winding for electrical machines with commutators. R. Richter. No. 1,072,036; Sept. 2; Gaz. vol. 194; p. 125.
- Armatures, Spring-mounting for magnet-. C. J. Erickson. No. 1,062,586; May 27; Gaz. vol. 190; p. 804.
- Armor-chain. P. Gauthier. No. 1,080,054; Dec. 2; Gaz. vol. 197; p. 47.
- Armor-plate. P. de Caters. No. 1,063,957; June 10; Gaz. vol. 191; p. 304.
- Armor-plate for treasuries, safes, &c. F. P. Georgi. No. 1,052,718; Feb. 11; Gaz. vol. 187; p. 329.
- Armor-plate, Treating. S. S. Wales. No. 1,064,034; June 10; Gaz. vol. 191; p. 330.
- Armor-plates and other steel articles, Manufacture of. J. L. Benthall. No. 1,079,323; Nov. 25; Gaz. vol. 196; p. 811.
- Armor-plates for the protection of ships and other steel objects, Manufacture of. F. Giolitti. No. 1,061,998; May 20; Gaz. vol. 190; p. 565.
- Armor-plates, Manufacture of. J. L. Benthall. No. 1,051,380; Jan. 28; Gaz. vol. 186; p. 805.
- Armor-plates, Manufacture of. J. L. Benthall. No. 1,051,799; Jan. 28; Gaz. vol. 186; p. 944.
- Armor-plating, Manufacture of. E. Fischer. No. 1,075,638; Oct. 14; Gaz. vol. 195; p. 391.
- Article-holding device. C. E. White and G. Elliott. No. 1,072,680; Sept. 9; Gaz. vol. 194; p. 374.
- Articles in position, Device for detachably securing. A. E. Terry. No. 1,064,788; June 17; Gaz. vol. 191; p. 623.
- Articulated engine. L. W. Barger. No. 1,060,883; May 6; Gaz. vol. 190; p. 111.
- Artillery-carriage. W. Mayer. No. 1,063,051; May 27; Gaz. vol. 190; p. 957.
- Artist's case and easel, Combined. J. H. Deeney and F. H. Kamps. No. 1,069,879; Aug. 12; Gaz. vol. 193; p. 302.
- Artist's color-box and easel. L. E. Kuhrt. No. 1,065,255; June 17; Gaz. vol. 191; p. 775.
- Asbestos fiber for insulating purposes, Means for preparing. H. L. Owen. No. 1,071,081; Aug. 26; Gaz. vol. 193; p. 784.
- Asbestos handle. R. B. Best. No. 1,079,688; Nov. 25; Gaz. vol. 196; p. 936.
- Asbestos, Purifying. W. C. Arsem. No. 1,049,972; Jan. 7; Gaz. vol. 186; p. 220.
- Ash-ejector. J. H. Snelling. No. 1,073,445; Sept. 16; Gaz. vol. 194; p. 682.
- Ash-pit, Power-loading. J. H. Hogston. No. 1,059,995; Apr. 29; Gaz. vol. 189; p. 1049.
- Ash-pot. H. Leidel. No. 1,080,837; Dec. 9; Gaz. vol. 197; p. 353.
- Ash-sifter. M. L. Sobra. No. 1,080,854; Dec. 9; Gaz. vol. 197; p. 358.
- Ash tray or container. W. L. Smith. No. 1,071,363; Aug. 26; Gaz. vol. 193; p. 879.
- Asphalt-heating process and apparatus. L. H. Miner. No. 1,066,515; July 8; Gaz. vol. 192; p. 242.
- Asphalt, Making. R. C. Dundas. No. 1,056,980; Mar. 25; Gaz. vol. 188; p. 888.
- Asphalt, Producing. W. M. Burton. No. 1,055,707; Mar. 11; Gaz. vol. 188; p. 389.
- Asphalt, Treating. J. A. W. Pine and W. B. Ruggles. No. 1,057,667; Apr. 1; Gaz. vol. 189; p. 93.
- Asphalting-machine. W. P. Tarrant. No. 1,059,647; Apr. 22; Gaz. vol. 189; p. 891.
- Aspirator, Air-. W. Melas. No. 1,082,815; Dec. 30; Gaz. vol. 197; p. 1121.
- Assembler, Wheel-. O. C. Ketrang. No. 1,080,638; Dec. 9; Gaz. vol. 197; p. 281.
- Assembling mechanism. E. P. Sheldon. No. 1,081,519; Dec. 16; Gaz. vol. 197; p. 618.
- Assembling-table. T. E. Crecelius. No. 1,060,430; Apr. 29; Gaz. vol. 189; p. 1201.
- Assorting-machine. H. B. Ritchie. No. 1,056,369; Mar. 18; Gaz. vol. 188; p. 646.
- Assorting-machine. H. Hastings. No. 1,082,632; Dec. 30; Gaz. vol. 197; p. 1057.
- Atomizer. J. W. Brown, Jr. No. 1,051,546; Jan. 28; Gaz. vol. 186; p. 961.
- Atomizer. O. B. Gilman. No. 1,056,094; Mar. 18; Gaz. vol. 188; p. 554.
- Atomizer. H. Rachmann. No. 1,057,982; Apr. 1; Gaz. vol. 189; p. 200.
- Atomizer. G. L. Kennedy. No. 1,059,615; Apr. 22; Gaz. vol. 189; p. 881.
- Atomizer. G. J. Kelley. No. 1,071,432; Aug. 26; Gaz. vol. 193; p. 901.
- Atomizer. F. C. Dormont. No. 1,075,467; Oct. 14; Gaz. vol. 195; p. 331.
- Atomizer. C. Hassler. No. 1,077,708; Nov. 4; Gaz. vol. 196; p. 160.
- Atomizer. G. J. Kelley. No. 1,080,835; Dec. 9; Gaz. vol. 197; p. 353.
- Atomizer. G. J. Kelley. No. 1,082,159; Dec. 23; Gaz. vol. 197; p. 858.
- Atomizer, Adjustable impact-. R. Schorr. No. 1,076,708; Oct. 28; Gaz. vol. 195; p. 841.
- Atomizer, Adjustable liquid-. R. Schorr. No. 1,073,936; Sept. 23; Gaz. vol. 194; p. 873.
- Atomizer-comb. J. J. Moore. No. 1,067,051; July 8; Gaz. vol. 192; p. 426.
- Atomizer for lubricating purposes. F. B. Fretter and S. F. Beasley. No. 1,055,159; Mar. 4; Gaz. vol. 188; p. 169.
- Atomizer, Liquid-fuel. A. Normand. No. 1,051,908; Feb. 4; Gaz. vol. 187; p. 20.
- Atomizer or humidifier. J. C. Rankine and G. H. Goldsmith. No. 1,072,031; Sept. 2; Gaz. vol. 194; p. 124.
- Atomizer-valve. F. von Döhn. No. 1,066,263; July 1; Gaz. vol. 192; p. 129.
- Attaching device. G. Boden. No. 1,055,440; Mar. 11; Gaz. vol. 188; p. 302.
- Attaching device. B. B. Blood. No. 1,066,578; July 8; Gaz. vol. 192; p. 265.

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- Auger, Earth-. D. Wilson. No. 1,074,304; Sept. 30; Gaz. vol. 194; p. 1024.
- Auger, Expansion earth-. F. H. Chase. No. 1,076,817; Oct. 28; Gaz. vol. 195; p. 879.
- Auger, Horse-power post-hole. H. F. Holtman. No. 1,051,330; Jan. 21; Gaz. vol. 186; p. 755.
- Auger, Horse-power post-hole. H. F. Holtman. No. 1,051,331; Jan. 21; Gaz. vol. 186; p. 755.
- Auger, Post-hole. W. C. Gibson. No. 1,064,825; June 17; Gaz. vol. 191; p. 635.
- Auriscopes. H. L. De Zeng. No. 1,062,698; May 27; Gaz. vol. 190; p. 841.
- Auto-jack. C. Knudsen and E. J. Brumbach. No. 1,080,564; Dec. 9; Gaz. vol. 197; p. 256.
- Auto-lock. J. N. Bradley. No. 1,059,590; Apr. 22; Gaz. vol. 189; p. 873.
- Auto-strap fastener, Adjustable concealed. G. E. Robinson. No. 1,081,152; Dec. 9; Gaz. vol. 197; p. 455.
- Autographic register. W. Hainer. No. 1,054,644; Feb. 11; Gaz. vol. 187; p. 306.
- Autographic register. E. J. Barker. No. 1,052,645; Feb. 25; Gaz. vol. 187; p. 1069.
- Autographic register. T. Schirmer and M. C. Stern. No. 1,057,175; Mar. 25; Gaz. vol. 188; p. 956.
- Autographic register. E. J. Barker. No. 1,069,755; Aug. 12; Gaz. vol. 193; p. 260.
- Automatic alarm. E. Remacle. No. 1,055,227; Mar. 4; Gaz. vol. 188; p. 191.
- Automatic alarm and signal device. C. R. Bailey and W. O. Warren. No. 1,063,930; June 3; Gaz. vol. 191; p. 261.
- Automatic combination-wrench. T. W. Gibson. No. 1,056,275; Mar. 18; Gaz. vol. 188; p. 616.
- Automatic coupling. J. P. Carmine. No. 1,059,593; Apr. 22; Gaz. vol. 189; p. 874.
- Automatic coupling. S. F. Leslie. No. 1,072,626; Sept. 9; Gaz. vol. 194; p. 355.
- Automatic detector for identifying vehicles and the like. M. Felix. No. 1,070,882; Aug. 19; Gaz. vol. 193; p. 683.
- Automatic gate. I. J. Harvey. No. 1,056,537; Mar. 18; Gaz. vol. 188; p. 708.
- Automatic gate. M. Boom. No. 1,059,429; Apr. 22; Gaz. vol. 189; p. 820.
- Automatic heater. L. A. Knowles. No. 1,067,989; July 22; Gaz. vol. 192; p. 814.
- Automatic jack. E. E. Winkley. No. 1,054,733; Mar. 4; Gaz. vol. 188; p. 27.
- Automatic lubricator. D. T. Main. No. 1,049,503; Jan. 7; Gaz. vol. 186; p. 62.
- Automatic lubricator. J. H. Piburn. No. 1,064,374; June 10; Gaz. vol. 191; p. 447.
- Automatic lubricator. M. Deutscher. No. 1,077,813; Nov. 4; Gaz. vol. 196; p. 196.
- Automatic lubricator. R. Wood. No. 1,082,002; Dec. 23; Gaz. vol. 197; p. 806.
- Automatic sprinkler. S. M. Marshall. No. 1,079,016; Nov. 18; Gaz. vol. 196; p. 676.
- Automatic sprinkler. A. M. Lewis. No. 1,082,348; Dec. 23; Gaz. vol. 197; p. 927.
- Automatic sprinkler-head. E. M. Long. No. 1,079,136; Nov. 18; Gaz. vol. 196; p. 717.
- Automatic wrench. S. Clay. No. 1,049,995; Jan. 7; Gaz. vol. 186; p. 228.
- Automobile. M. Karminski and C. Peters. No. 1,052,829; Feb. 11; Gaz. vol. 187; p. 369.
- Automobile. C. A. Latham and O. Benton. No. 1,058,309; Apr. 8; Gaz. vol. 189; p. 358.
- Automobile. J. C. Sparks. No. 1,058,341; Apr. 8; Gaz. vol. 189; p. 370.
- Automobile. W. L. Tobey. No. 1,059,579; Apr. 22; Gaz. vol. 189; p. 870.
- Automobile. F. Drew. No. 1,062,898; May 27; Gaz. vol. 190; p. 907.
- Automobile. D. N. Baxter. No. 1,063,003; May 27; Gaz. vol. 190; p. 941.
- Automobile. J. H. Hand. No. 1,065,357; June 24; Gaz. vol. 191; p. 847.
- Automobile. G. W. Dunham. No. 1,065,668; June 24; Gaz. vol. 191; p. 954.
- Automobile. R. P. and W. S. Thompson. No. 1,072,791; Sept. 9; Gaz. vol. 194; p. 413.
- Automobile. A. W. Crane. No. 1,075,628; Oct. 14; Gaz. vol. 195; p. 386.
- Automobile. L. W. Coppock. No. 1,075,816; Oct. 14; Gaz. vol. 195; p. 449.
- Automobile. E. R. Hewitt. No. 1,077,197; Oct. 28; Gaz. vol. 195; p. 1006.
- Automobile. E. R. Hewitt. No. 1,077,933; Nov. 4; Gaz. vol. 196; p. 237.
- Automobile. H. A. Baker. No. 1,079,320; Nov. 25; Gaz. vol. 196; p. 809.
- Automobile. G. De Fevre and J. E. Woodbridge. No. 1,081,023; Dec. 9; Gaz. vol. 197; p. 413.
- Automobile accessory. W. E. Martin. No. 1,067,934; July 22; Gaz. vol. 192; p. 796.
- Automobile and car fender. G. L. Wheeler. No. 1,064,948; June 17; Gaz. vol. 191; p. 674.
- Automobile and hydroplane, Combined. W. H. McGaffey. No. 1,059,482; Apr. 22; Gaz. vol. 189; p. 838.
- Automobile and other vehicle wheel. O. H. Attridge. No. 1,081,192; Dec. 9; Gaz. vol. 197; p. 468.
- Automobile and the like lock. J. E. Potts. No. 1,082,906; Dec. 30; Gaz. vol. 197; p. 1154.
- Automobile attachment. M. L. Bernstein. No. 1,052,559; Feb. 11; Gaz. vol. 187; p. 276.
- Automobile attachment. W. J. Evans. No. 1,073,971; Sept. 23; Gaz. vol. 194; p. 885.
- Automobile attachment. J. W. Golden. No. 1,076,974; Oct. 28; Gaz. vol. 195; p. 935.
- Automobile attachment. T. C. Bean. No. 1,077,030; Oct. 28; Gaz. vol. 195; p. 955.
- Automobile attachment. R. H. Prestlen. No. 1,079,951; Dec. 2; Gaz. vol. 197; p. 10.
- Automobile attachment to prevent unauthorized use. J. P. Evans. No. 1,058,166; Apr. 8; Gaz. vol. 189; p. 309.
- Automobile automatic braking device. J. E. Fisher, Jr. No. 1,054,640; Feb. 25; Gaz. vol. 187; p. 1068.
- Automobile-body. F. Saxon. No. 1,059,220; Apr. 15; Gaz. vol. 189; p. 711.
- Automobile-body. F. Stratton. No. 1,070,998; Aug. 19; Gaz. vol. 193; p. 721.
- Automobile-body, Convertible. A. A. Ackerman. No. 1,052,552; Feb. 11; Gaz. vol. 187; p. 273.
- Automobile-brake. R. H. White. No. 1,063,485; June 3; Gaz. vol. 191; p. 106.
- Automobile brake mechanism. R. S. Pelton. No. 1,050,686; Jan. 14; Gaz. vol. 186; p. 498.
- Automobile brake-shoes, Material for. C. O. Stinebaugh. No. 1,076,325; Oct. 21; Gaz. vol. 195; p. 652.
- Automobile-buffer. O. F. Brinkman. No. 1,049,334; Jan. 7; Gaz. vol. 186; p. 6.
- Automobile-buffer. S. S. Waldman. No. 1,059,413; Apr. 22; Gaz. vol. 189; p. 813.
- Automobile clutch-lever lock. G. P. Smith. No. 1,066,539; July 8; Gaz. vol. 192; p. 251.
- Automobile construction. H. Ford. No. 1,075,557; Oct. 14; Gaz. vol. 195; p. 362.
- Automobile control mechanism. H. Ford. No. 1,078,042; Nov. 11; Gaz. vol. 196; p. 306.
- Automobile controlling means. D. P. Zapf. No. 1,055,435; Mar. 11; Gaz. vol. 188; p. 300.
- Automobile-curtain. L. J. T. Lahrs. No. 1,050,146; Jan. 14; Gaz. vol. 186; p. 314.
- Automobile curtain-fastener. W. H. Kinsel. No. 1,062,021; May 27; Gaz. vol. 190; p. 914.
- Automobile cut-out. R. T. Whipple. No. 1,074,762; Oct. 7; Gaz. vol. 195; p. 61.
- Automobile draft appliance. G. V. De Peel. No. 1,054,831; Mar. 4; Gaz. vol. 188; p. 62.
- Automobile draft attachment. B. Urquhart. No. 1,076,799; Oct. 28; Gaz. vol. 195; p. 873.
- Automobile driving mechanism. A. F. Clark. No. 1,050,761; Jan. 14; Gaz. vol. 186; p. 523.
- Automobile driving mechanism. L. W. Bogart. No. 1,059,109; Apr. 15; Gaz. vol. 189; p. 673.
- Automobile-elevator, Portable. B. F. Wilson. No. 1,077,180; Oct. 28; Gaz. vol. 195; p. 1000.
- Automobile emergency-windlass. L. O. Pillsbury. No. 1,080,653; Dec. 9; Gaz. vol. 197; p. 286.
- Automobile-engines, Crank for. G. W. Redburn. No. 1,082,650; Dec. 30; Gaz. vol. 197; p. 1062.
- Automobile equipment. C. V. Turner. No. 1,069,590; Aug. 5; Gaz. vol. 193; p. 172.
- Automobile-fender. W. E. Symons. No. 1,051,030; Jan. 21; Gaz. vol. 186; p. 655.
- Automobile-fender. W. A. Crawford-Frost. No. 1,054,510; Feb. 25; Gaz. vol. 187; p. 1025.
- Automobile-fender. G. E. Legendre. No. 1,055,057; Mar. 4; Gaz. vol. 188; p. 137.
- Automobile-fender. E. M. McGowan. No. 1,060,475; Apr. 29; Gaz. vol. 189; p. 1215.
- Automobile-fender. J. Hadka. No. 1,062,705; May 27; Gaz. vol. 190; p. 843.
- Automobile-fender. J. Hadka. No. 1,062,706; May 27; Gaz. vol. 190; p. 843.
- Automobile-fender. J. Didschuneit. No. 1,082,415; Dec. 23; Gaz. vol. 197; p. 948.
- Automobile fender and lamp-support, Combined. R. Tyrell. No. 1,049,946; Jan. 7; Gaz. vol. 186; p. 212.
- Automobile folding chair. W. H. Douglas. No. 1,079,846; Nov. 25; Gaz. vol. 196; p. 993.
- Automobile foot-accelerator. O. Spencer. No. 1,081,166; Dec. 9; Gaz. vol. 197; p. 460.
- Automobile-frame. C. B. King. No. 1,052,151; Feb. 4; Gaz. vol. 187; p. 106.
- Automobile-heater. L. L. Peters. No. 1,050,230; Jan. 14; Gaz. vol. 186; p. 342.
- Automobile-heater. S. Matthews. No. 1,068,516; July 29; Gaz. vol. 192; p. 1035.
- Automobile-heater. L. O. Naylor. No. 1,069,572; Aug. 5; Gaz. vol. 193; p. 166.
- Automobile heating apparatus. L. A. Brigel. No. 1,063,647; June 3; Gaz. vol. 191; p. 165.
- Automobile heating apparatus. R. A. Bailey and M. F. W. Pliske. No. 1,068,094; July 22; Gaz. vol. 192; p. 850.
- Automobile heating device. G. F. Knollmann. No. 1,057,485; Apr. 1; Gaz. vol. 189; p. 30.
- Automobile heating device. F. J. Moore. No. 1,072,635; Sept. 9; Gaz. vol. 194; p. 358.

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- Automobile hood-cornice. A. E. Schaaf. No. 1,078,961; Nov. 18; Gaz. vol. 196; p. 654.
- Automobile-horn. H. C. Evelyn. No. 1,059,447; Apr. 22; Gaz. vol. 189; p. 826.
- Automobile-horn. N. C. Oddo. No. 1,066,037; July 1; Gaz. vol. 192; p. 47.
- Automobile-horn. N. C. Oddo. No. 1,066,038; July 1; Gaz. vol. 192; p. 47.
- Automobile-horn. R. H. Manson. No. 1,074,371; Sept. 30; Gaz. vol. 194; p. 1046.
- Automobile-indicator. D. Dann. No. 1,050,812; Jan. 21; Gaz. vol. 186; p. 577.
- Automobile-jack. W. C. Bouldin. No. 1,074,690; Oct. 7; Gaz. vol. 195; p. 37.
- Automobile-jack. C. A. Hart. No. 1,076,365; Oct. 21; Gaz. vol. 195; p. 667.
- Automobile-jack. J. T. Dillon. No. 1,076,555; Oct. 21; Gaz. vol. 195; p. 733.
- Automobile-jack. C. A. Hart. No. 1,080,442; Dec. 2; Gaz. vol. 197; p. 184.
- Automobile-jack. J. D. Bunn. No. 1,081,013; Dec. 9; Gaz. vol. 197; p. 410.
- Automobile jack and reversing-stand. H. C. Roberts. No. 1,073,168; Sept. 16; Gaz. vol. 194; p. 584.
- Automobile lamp attachment. R. S. Matheson. No. 1,065,700; June 24; Gaz. vol. 191; p. 964.
- Automobile lamp-bracket. Dirigible. A. J. Saville. No. 1,053,228; Feb. 18; Gaz. vol. 187; p. 549.
- Automobile lifting and turning means. M. Stewart. No. 1,080,384; Dec. 2; Gaz. vol. 197; p. 166.
- Automobile light-controlling device. B. D. Lake and N. G. Marks. No. 1,061,087; May 6; Gaz. vol. 190; p. 181.
- Automobile light-shifter. J. G. Becker. No. 1,072,418; Sept. 9; Gaz. vol. 194; p. 282.
- Automobile light-support, Dirigible. J. M. Raiky. No. 1,055,225; Mar. 4; Gaz. vol. 188; p. 191.
- Automobile-lock. L. Baum and C. Sandler. No. 1,065,103; June 17; Gaz. vol. 191; p. 725.
- Automobile-lock. P. Kovsky and J. F. Hicks. No. 1,071,756; Sept. 2; Gaz. vol. 194; p. 30.
- Automobile-lock. A. A. Bennett. No. 1,074,238; Sept. 30; Gaz. vol. 194; p. 1003.
- Automobile-lock. W. G. McNab and R. J. McCleery. No. 1,078,105; Nov. 11; Gaz. vol. 196; p. 328.
- Automobile marker-bracket. D. H. Cox. No. 1,074,838; Oct. 7; Gaz. vol. 195; p. 84.
- Automobile motor-starter. C. J. Widmer. No. 1,051,976; Feb. 4; Gaz. vol. 187; p. 45.
- Automobile mud-guard. O. W. Patterson. No. 1,052,511; Feb. 11; Gaz. vol. 187; p. 261.
- Automobile-muffler. E. L. Dewey. No. 1,077,905; Nov. 4; Gaz. vol. 196; p. 227.
- Automobile number carrier and drop. G. H. Hewitt, Jr. No. 1,061,910; May 13; Gaz. vol. 190; p. 492.
- Automobile number-display device. F. W. Both. No. 1,051,479; Jan. 28; Gaz. vol. 186; p. 839.
- Automobile-numbers, Means for displaying. E. Stoddard. No. 1,071,821; Sept. 2; Gaz. vol. 194; p. 53.
- Automobile protecting device. F. F. Backstrom. No. 1,067,710; July 15; Gaz. vol. 192; p. 688.
- Automobile-radiator. J. W. Bowerbank. No. 1,079,468; Nov. 25; Gaz. vol. 196; p. 860.
- Automobile radiator-heater. W. Gallaher. No. 1,072,595; Sept. 9; Gaz. vol. 194; p. 345.
- Automobile radiator wind-shield. A. Holland. No. 1,079,765; Nov. 25; Gaz. vol. 196; p. 966.
- Automobile-radiators, Protector for. A. V. Maedje. No. 1,069,154; Aug. 5; Gaz. vol. 193; p. 22.
- Automobile-radiators. Wind-shield for. A. Hormel. No. 1,060,187; Apr. 29; Gaz. vol. 189; p. 1113.
- Automobile rain-protector. E. J. Armbruster. No. 1,082,479; Dec. 23; Gaz. vol. 197; p. 968.
- Automobile raising apparatus. J. J. Preece. No. 1,080,581; Dec. 9; Gaz. vol. 197; p. 262.
- Automobile runner attachment. E. L. Schuh. No. 1,056,063; Mar. 18; Gaz. vol. 188; p. 544.
- Automobile running-gear. C. W. Duerrstein. No. 1,064,623; June 10; Gaz. vol. 191; p. 531.
- Automobile safety appliance. R. A. Magill. No. 1,060,611; May 6; Gaz. vol. 190; p. 16.
- Automobile safety device. O. N. Applequist. No. 1,073,385; Sept. 16; Gaz. vol. 194; p. 661.
- Automobile sanding device. J. F. Williams. No. 1,081,477; Dec. 16; Gaz. vol. 197; p. 603.
- Automobile-seat. A. F. Draper. No. 1,054,755; Mar. 4; Gaz. vol. 188; p. 35.
- Automobile seat construction. F. J. Morgan. No. 1,078,602; Nov. 11; Gaz. vol. 196; p. 499.
- Automobile-seat, Folding. S. D. Butterworth. No. 1,049,338; Jan. 7; Gaz. vol. 186; p. 7.
- Automobile self-starters, Automatic circuit-controlling mechanism for electrical. W. A. Lurie. No. 1,081,683; Dec. 16; Gaz. vol. 197; p. 668.
- Automobile shock-absorber. A. Bohm. No. 1,057,030; Mar. 25; Gaz. vol. 188; p. 907.
- Automobile shock-absorber. W. H. Cook. No. 1,058,411; Apr. 8; Gaz. vol. 189; p. 395.
- Automobile shock-absorber. W. H. Cook. No. 1,058,412; Apr. 8; Gaz. vol. 189; p. 395.
- Automobile shock-absorber. W. H. Cook. No. 1,058,413; Apr. 8; Gaz. vol. 189; p. 396.
- Automobile shock-absorber. W. H. Cook. No. 1,058,414; Apr. 8; Gaz. vol. 189; p. 396.
- Automobile shock-absorber. N. H. Lines. No. 1,079,249; Nov. 18; Gaz. vol. 196; p. 755.
- Automobile shock-absorber. W. H. Cook. No. 1,079,842; Nov. 25; Gaz. vol. 196; p. 991.
- Automobile sign-holder. H. O. Havemeyer. No. 1,080,631; Dec. 9; Gaz. vol. 197; p. 279.
- Automobile-signal. W. A. Döhnke. No. 1,050,525; Jan. 14; Gaz. vol. 186; p. 447.
- Automobile-signal. H. M. MacCausland. No. 1,071,525; Aug. 26; Gaz. vol. 193; p. 931.
- Automobile signaling apparatus. J. L. Cayer. No. 1,081,433; Dec. 16; Gaz. vol. 197; p. 588.
- Automobile signaling device. H. P. Noble. No. 1,076,443; Oct. 21; Gaz. vol. 195; p. 694.
- Automobile-skid. F. G. Smith. No. 1,082,449; Dec. 23; Gaz. vol. 197; p. 959.
- Automobile sled attachment. F. F. Stadig. No. 1,070,301; Aug. 12; Gaz. vol. 193; p. 447.
- Automobile sledge. E. A. Rémezy. No. 1,066,438; July 1; Gaz. vol. 192; p. 184.
- Automobile-starter. C. L. Johnston. No. 1,052,827; Feb. 11; Gaz. vol. 187; p. 368.
- Automobile starting-crank shafts, Dust-cap for. A. Moorhouse. No. 1,068,804; July 29; Gaz. vol. 192; p. 1136.
- Automobile starting device. H. Parker. No. 1,066,649; July 8; Gaz. vol. 192; p. 289.
- Automobile steering-gear. T. D. Stanley. No. 1,065,183; June 17; Gaz. vol. 191; p. 750.
- Automobile steering-gear attachment. J. D. Tower, Jr. No. 1,064,111; June 10; Gaz. vol. 191; p. 357.
- Automobile steering mechanism. E. L. Wood. No. 1,064,804; June 17; Gaz. vol. 191; p. 628.
- Automobile steering mechanism. M. E. Riemer. No. 1,069,810; Aug. 12; Gaz. vol. 193; p. 278.
- Automobile tail-light and signal combined. W. J. Bauer. No. 1,068,838; July 29; Gaz. vol. 192; p. 1148.
- Automobile tire-trunk. A. Zieve and H. Davidovitz. No. 1,074,079; Sept. 23; Gaz. vol. 194; p. 920.
- Automobile-top. C. V. Beebe. No. 1,079,205; Nov. 18; Gaz. vol. 196; p. 741.
- Automobile-tops, Bow-rest for. M. J. Molitor. No. 1,055,285; Mar. 4; Gaz. vol. 188; p. 209.
- Automobile-tops, Device for fastening. H. G. Dreyer. No. 1,070,672; Aug. 19; Gaz. vol. 193; p. 615.
- Automobile-tops, Device for raising and lowering. O. Cook. No. 1,073,332; Sept. 16; Gaz. vol. 194; p. 643.
- Automobile-tops, Means for raising and lowering. C. K. Hann. No. 1,071,914; Sept. 2; Gaz. vol. 194; p. 85.
- Automobile-tractor. F. E. E. Lefebvre. No. 1,054,649; Feb. 25; Gaz. vol. 187; p. 1071.
- Automobile transmission. L. W. Blymyer. No. 1,062,876; May 27; Gaz. vol. 190; p. 899.
- Automobile transmission. H. Ford. No. 1,073,569; Sept. 16; Gaz. vol. 194; p. 724.
- Automobile transmission-lock. H. M. Johnstone. No. 1,061,943; May 13; Gaz. vol. 190; p. 505.
- Automobile transmission mechanism. S. L. Slaughter. No. 1,051,281; Jan. 21; Gaz. vol. 186; p. 738.
- Automobile transmission mechanism, Lubricating system for. A. P. Brush. No. 1,055,017; Mar. 4; Gaz. vol. 188; p. 123.
- Automobile tube and tire signal. J. E. Featherston. No. 1,058,571; Apr. 8; Gaz. vol. 189; p. 448.
- Automobile turn-table. C. N. Beal. No. 1,069,843; Aug. 12; Gaz. vol. 193; p. 290.
- Automobile turn-table attachment. F. Helder. No. 1,061,073; May 6; Gaz. vol. 190; p. 177.
- Automobile vehicles, Differential mechanism of. M. Berthier. No. 1,075,686; Oct. 14; Gaz. vol. 195; p. 406.
- Automobile vehicles, Driving-gear for. J. Caillet. No. 1,070,772; Aug. 19; Gaz. vol. 193; p. 649.
- Automobile-wheel. A. Johnston. No. 1,051,236; Jan. 21; Gaz. vol. 186; p. 723.
- Automobile-wheel. G. A. Imhoff. No. 1,054,692; Mar. 4; Gaz. vol. 188; p. 13.
- Automobile-wheel. W. W. Cheeseman. No. 1,055,709; Mar. 11; Gaz. vol. 188; p. 389.
- Automobile-wheel. G. L. Griffith. No. 1,056,664; Mar. 18; Gaz. vol. 188; p. 749.
- Automobile-wheel. L. B. Wilson. No. 1,057,907; Apr. 1; Gaz. vol. 189; p. 175.
- Automobile-wheel. H. H. Piper. No. 1,058,196; Apr. 8; Gaz. vol. 189; p. 320.
- Automobile-wheel. E. R. Frederick. No. 1,069,059; July 29; Gaz. vol. 192; p. 1222.
- Automobile-wheel. F. A. Buse. No. 1,069,109; Aug. 5; Gaz. vol. 193; p. 7.
- Automobile-wheel. J. A. Kolby, L. P. Larsen, and C. P. Neilsen. No. 1,081,237; Dec. 9; Gaz. vol. 197; p. 483.
- Automobile wheel and rim. G. P. Pappadakes. No. 1,069,025; July 29; Gaz. vol. 192; p. 1211.
- Automobile wheel and tire. G. M. Davenport. No. 1,077,044; Oct. 28; Gaz. vol. 195; p. 960.
- Automobile-wheel, Cushioned. W. F. Nelson. No. 1,052,009; Feb. 4; Gaz. vol. 187; p. 57.

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- Automobile wheel help. F. V. Phillips. No. 1,075,377; Oct. 14; Gaz. vol. 195; p. 300.
- Automobile wheel-rim. O. L. Pickard. No. 1,080,580; Dec. 9; Gaz. vol. 197; p. 262.
- Automobile-wheels, Endless tread for. T. Douglas. No. 1,077,129; Oct. 28; Gaz. vol. 195; p. 985.
- Automobile-whistle. G. L. Hills. No. 1,070,602; Aug. 19; Gaz. vol. 193; p. 592.
- Automobile wind-shield. G. B. Collier. No. 1,074,774; Oct. 7; Gaz. vol. 195; p. 65.
- Automobile wind-shield. A. U. Premont. No. 1,078,376; Nov. 11; Gaz. vol. 196; p. 424.
- Automobile with pivot-gun. G. Hayn and N. Koch. No. 1,079,856; Nov. 25; Gaz. vol. 196; p. 996.
- Automobile-wrench, Reversible friction-roll. H. G. Gells. No. 1,061,367; May 13; Gaz. vol. 190; p. 310.
- Automobiles, Adjustable seat-back for. J. M. Fleming. No. 1,058,575; Apr. 8; Gaz. vol. 189; p. 449.
- Automobiles and like vehicles, Cushioning device for. F. O. Kilgore. No. 1,076,042; Oct. 21; Gaz. vol. 195; p. 555.
- Automobiles and other vehicles, Device for automatically lifting and supporting. T. H. Sparks. No. 1,081,165; Dec. 9; Gaz. vol. 197; p. 459.
- Automobiles and the like, Blanket-holder for. J. T. Delaney. No. 1,056,155; Mar. 18; Gaz. vol. 188; p. 576.
- Automobiles and the like, Safety-appliance lock for. J. H. Mertz and E. Schatz. No. 1,071,169; Aug. 26; Gaz. vol. 193; p. 813.
- Automobiles, Automatic fender and brake for. A. D. Barth. No. 1,051,379; Jan. 28; Gaz. vol. 186; p. 805.
- Automobiles, Automatic safety-brake for. L. G. Eggers. No. 1,072,841; Sept. 9; Gaz. vol. 194; p. 431.
- Automobiles, Automatic safety-crank and gear-shift for. F. H. Arnsburger. No. 1,077,506; Nov. 4; Gaz. vol. 196; p. 95.
- Automobiles, bicycles, and the like, Tube for. E. J. Andrieu. No. 1,056,726; Mar. 18; Gaz. vol. 188; p. 771.
- Automobiles, Chain-casing for. H. C. Heath. No. 1,074,947; Oct. 7; Gaz. vol. 195; p. 122.
- Automobiles, Clips for steering-wheels of. F. Revett and W. Simmers. No. 1,052,752; Feb. 11; Gaz. vol. 187; p. 340.
- Automobiles, Clutch-operating mechanism for. J. Preuss. No. 1,051,446; Jan. 28; Gaz. vol. 186; p. 828.
- Automobiles, Clutch-pedal and throttle control for. M. T. Hancock, Jr. No. 1,050,826; Jan. 21; Gaz. vol. 186; p. 581.
- Automobiles, Control-lever for. W. C. Durant. No. 1,072,438; Sept. 9; Gaz. vol. 194; p. 290.
- Automobiles, Electromechanical system for the propulsion of. H. Pieper. No. 1,062,551; May 20; Gaz. vol. 190; p. 749.
- Automobiles, Emergency-spindle for. W. H. Vanskiver. No. 1,076,471; Oct. 21; Gaz. vol. 195; p. 704.
- Automobiles, Equalizing-gearing for. E. J. Stoddard. No. 1,066,958; July 8; Gaz. vol. 192; p. 396.
- Automobiles, Liquid change-speed gear for. I. Hammer. No. 1,074,096; Sept. 23; Gaz. vol. 194; p. 926.
- Automobiles, Locking device for gear-shift levers of. W. H. E. Pendleton. No. 1,075,666; Oct. 14; Gaz. vol. 195; p. 398.
- Automobiles, Monitor lubrication system for. A. J. Mundy. No. 1,071,009; Aug. 19; Gaz. vol. 193; p. 724.
- Automobiles or other vehicles, Device for jacking up. H. S. Tuttle. No. 1,056,235; Mar. 18; Gaz. vol. 188; p. 603.
- Automobiles, Pilot and guide staff for. D. Phillips. No. 1,057,268; Mar. 25; Gaz. vol. 188; p. 988.
- Automobiles, Sand-distributing device for. W. F. Barcafer. No. 1,066,698; July 8; Gaz. vol. 192; p. 308.
- Automobiles, Sleigh attachment for. S. L. Charles. No. 1,054,673; Mar. 4; Gaz. vol. 188; p. 7.
- Automobiles, Spring-hub wheel for. G. K. Ewing and C. R. Farley. No. 1,055,026; Mar. 4; Gaz. vol. 188; p. 127.
- Automobiles, Stretcher or bed for. R. L. Bradley. No. 1,082,223; Dec. 23; Gaz. vol. 197; p. 881.
- Autopianos, Keyboard attachment for. O. Herrmann. No. 1,070,256; Aug. 12; Gaz. vol. 193; p. 431.
- Autoplane. P. Witzel. No. 1,073,648; Sept. 23; Gaz. vol. 194; p. 773.
- Autotruck, Tilting. G. Schlatter. No. 1,071,265; Aug. 26; Gaz. vol. 193; p. 846.
- Autovalve. C. W. Welman. No. 1,076,647; Oct. 21; Gaz. vol. 195; p. 768.
- Autovehicle starter apparatus and system. R. Varley. No. 1,072,279; Sept. 2; Gaz. vol. 194; p. 206.
- Auxiliary brake. H. C. Conroy. No. 1,067,586; July 15; Gaz. vol. 192; p. 645.
- Auxiliary spring or broken-spring repairer. C. Taylor. No. 1,053,241; Feb. 18; Gaz. vol. 187; p. 553.
- Auxiliary wheel. C. I. Manee. No. 1,064,755; June 17; Gaz. vol. 191; p. 613.
- Aviation apparatus. T. W. Carey, Jr. No. 1,070,011; Aug. 12; Gaz. vol. 193; p. 347.
- Aviator's safety-harness. W. I. Twombly. No. 1,050,874; Jan. 21; Gaz. vol. 186; p. 599.
- Awl, Sewing. P. Pirnat. No. 1,066,317; July 1; Gaz. vol. 192; p. 147.
- Awning. H. Smith. No. 1,075,385; Oct. 14; Gaz. vol. 195; p. 304.
- Awning. F. C. Pennington. No. 1,076,310; Oct. 21; Gaz. vol. 195; p. 647.
- Awning. W. Sullivan. No. 1,079,894; Nov. 25; Gaz. vol. 196; p. 1010.
- Awning. E. F. Hartshorn. No. 1,080,829; Dec. 9; Gaz. vol. 197; p. 351.
- Awning. E. F. Hartshorn. No. 1,080,910; Dec. 9; Gaz. vol. 197; p. 377.
- Awning. E. F. Hartshorn. No. 1,081,042; Dec. 9; Gaz. vol. 197; p. 419.
- Awning and window-blind, Combined. J. A. Jackson. No. 1,054,207; Feb. 25; Gaz. vol. 187; p. 921.
- Awning-arm. F. A. Anton. No. 1,081,882; Dec. 16; Gaz. vol. 197; p. 737.
- Awning-arm bracket. F. A. Anton. No. 1,069,515; Aug. 5; Gaz. vol. 193; p. 148.
- Awning-arm, Folding. F. M. Christian. No. 1,050,340; Jan. 14; Gaz. vol. 186; p. 381.
- Awning-arm, Folding. F. M. Christian. No. 1,050,341; Jan. 14; Gaz. vol. 186; p. 382.
- Awning-fixture. R. H. Weaver. No. 1,054,476; Feb. 25; Gaz. vol. 187; p. 1013.
- Awning-fixture. G. W. Hauser, Jr. No. 1,054,654; Feb. 25; Gaz. vol. 187; p. 1073.
- Awning-hook. H. T. Hettlinger. No. 1,071,232; Aug. 26; Gaz. vol. 193; p. 835.
- Awning-iron. G. Lockhart. No. 1,051,901; Feb. 4; Gaz. vol. 187; p. 18.
- Awning or canopy for chairs, Collapsible. J. Grissim. No. 1,080,628; Dec. 9; Gaz. vol. 197; p. 278.
- Awning-support. O. E. Pease. No. 1,055,351; Mar. 11; Gaz. vol. 188; p. 271.
- Awnings, Gearing for. H. Oltmanns. No. 1,060,281; Apr. 29; Gaz. vol. 189; p. 1147.
- Awnings, Head-rod holder for. J. R. Sullivan. No. 1,059,323; Apr. 15; Gaz. vol. 189; p. 745.
- Ax. H. Melliush and A. Montreuil. No. 1,054,929; Mar. 4; Gaz. vol. 188; p. 93.
- Ax. A. F. Kopriva. No. 1,057,966; Apr. 1; Gaz. vol. 189; p. 195.
- Ax, Folding. C. H. Winship. No. 1,074,764; Oct. 7; Gaz. vol. 195; p. 61.
- Ax-handle. W. E. Burks. No. 1,054,823; Mar. 4; Gaz. vol. 188; p. 60.
- Axes or centers of circular bodies, openings, or plane figures, Device for finding the. C. G. Lundstrom. No. 1,081,682; Dec. 16; Gaz. vol. 197; p. 668.
- Axle. J. J. Carney. No. 1,051,081; Jan. 21; Gaz. vol. 186; p. 672.
- Axle. D. T. Seale. No. 1,060,507; Apr. 29; Gaz. vol. 189; p. 1226.
- Axle. D. T. Seale. No. 1,060,508; Apr. 29; Gaz. vol. 189; p. 1227.
- Axle. D. Ryerson. No. 1,078,698; Nov. 18; Gaz. vol. 196; p. 565.
- Axle and shaft with variable loads usable as a brake and also as auxiliary driving power therefor. Live. A. E. W. Finch. No. 1,059,533; Apr. 22; Gaz. vol. 189; p. 855.
- Axle, Automobile. G. S. Gundersen. No. 1,051,995; Feb. 4; Gaz. vol. 187; p. 51.
- Axle, Automobile front. C. Lagergren. No. 1,064,496; June 10; Gaz. vol. 191; p. 489.
- Axle bearing, Locomotive. W. C. Stephenson. No. 1,079,809; Nov. 25; Gaz. vol. 196; p. 980.
- Axle box, Car. J. R. Stephens. No. 1,063,616; June 3; Gaz. vol. 191; p. 154.
- Axle box, Car. H. H. Hewitt. No. 1,072,720; Sept. 9; Gaz. vol. 194; p. 387.
- Axle box, Car. F. L. Sessions. No. 1,074,651; Oct. 7; Gaz. vol. 195; p. 22.
- Axle-boxes and the like, Device for making sand molds for. F. L. Rainbow. No. 1,052,751; Feb. 11; Gaz. vol. 187; p. 340.
- Axle, Differential railway. B. R. Seabrook. No. 1,072,045; Sept. 2; Gaz. vol. 194; p. 128.
- Axle-drive. H. M. Boyd. No. 1,078,032; Nov. 11; Gaz. vol. 196; p. 303.
- Axle, Driving. H. W. Alden. No. 1,049,637; Jan. 7; Gaz. vol. 186; p. 110.
- Axle, Driving. D. Balachowsky and P. Caire. No. 1,055,598; Mar. 11; Gaz. vol. 188; p. 352.
- Axle for motor-vehicles. T. I. Duffy. No. 1,076,559; Oct. 21; Gaz. vol. 195; p. 735.
- Axle-forming die. R. G. Housdorfer. No. 1,050,460; Jan. 14; Gaz. vol. 186; p. 424.
- Axle-holder, Vehicle. W. E. Eastman. No. 1,056,406; Mar. 18; Gaz. vol. 188; p. 659.
- Axle lighting system, Car. J. L. Woodbridge. No. 1,067,630; July 15; Gaz. vol. 192; p. 660.
- Axle, Lubricating. J. Altmann and M. Gilgenberg. No. 1,052,638; Feb. 11; Gaz. vol. 187; p. 304.
- Axle-lubricating device, Car. J. C. Thompson and G. W. Hall. No. 1,065,641; June 24; Gaz. vol. 191; p. 944.
- Axle-lubricator. G. H. Gregory. No. 1,052,243; Feb. 4; Gaz. vol. 187; p. 138.
- Axle-lubricator. F. W. Martin. No. 1,056,568; Mar. 18; Gaz. vol. 188; p. 718.

Alphabetical list of inventions—Continued.

- Axle-lubricator. R. L. Camp. No. 1,060,161; Apr. 29; Gaz. vol. 189; p. 1104.
- Axle, Motor-vehicle. G. Agnelli. No. 1,050,050; Jan. 7; Gaz. vol. 186; p. 249.
- Axle, Railway-car. J. F. Cook. No. 1,057,037; Mar. 25; Gaz. vol. 188; p. 909.
- Axle-set. T. H. Rae. No. 1,073,571; Sept. 16; Gaz. vol. 194; p. 724.
- Axle, Spring-. B. S. Mahaffey. No. 1,050,673; Jan. 14; Gaz. vol. 186; p. 494.
- Axle, Spring-. C. J. Coggin. No. 1,064,613; June 10; Gaz. vol. 191; p. 528.
- Axle, Spring-. S. Nottingham. No. 1,067,751; July 15; Gaz. vol. 192; p. 701.
- Axle steering-knuckle. F. F. Marshek. No. 1,078,054; Nov. 11; Gaz. vol. 196; p. 311.
- Axle structure for automobiles, Rear-. E. J. Gulick. No. 1,059,458; Apr. 22; Gaz. vol. 189; p. 829.
- Axle structure, Motor-cycle. F. P. Fentress. No. 1,067,723; July 15; Gaz. vol. 192; p. 692.
- Axle-truing machine. J. S. Pearce. No. 1,054,607; Feb. 25; Gaz. vol. 187; p. 1056.
- Axle, Vehicle-. J. E. Hedges. No. 1,053,810; Feb. 18; Gaz. vol. 187; p. 748.
- Axle, Vehicle-. F. F. Winchester. No. 1,069,213; Aug. 5; Gaz. vol. 193; p. 44.
- Axle, Vehicle wheel-. H. M. Tileston. No. 1,082,246; Dec. 23; Gaz. vol. 197; p. 890.
- Axle, Wagon-. H. Sundby. No. 1,062,863; May 27; Gaz. vol. 190; p. 895.
- Axles, Bearing-adjusting means for. E. A. Nelson. No. 1,050,986; Jan. 21; Gaz. vol. 186; p. 639.
- Axles, Manufacture of car-. A. C. Cunningham. No. 1,068,630; July 29; Gaz. vol. 192; p. 1074.
- Baby-comforter. J. L. Dunn. No. 1,070,430; Aug. 19; Gaz. vol. 193; p. 532.
- Baby-dresser, Sanitary. L. A. Jiranek. No. 1,082,082; Dec. 23; Gaz. vol. 197; p. 835.
- Baby-jumper. C. R. Patten. No. 1,057,360; Mar. 25; Gaz. vol. 188; p. 1016.
- Baby-jumper. C. E. Carley. No. 1,063,956; June 10; Gaz. vol. 191; p. 303.
- Baby jumper and swing, Combined. F. A. Hawk. No. 1,055,975; Mar. 11; Gaz. vol. 188; p. 479.
- Baby jumper and swing, Combined. F. A. Hawk. No. 1,061,669; May 13; Gaz. vol. 190; p. 417.
- Baby-protector. J. E. Dodd. No. 1,073,478; Sept. 16; Gaz. vol. 194; p. 694.
- Baby-walker. E. S. Kincannon. No. 1,072,959; Sept. 9; Gaz. vol. 194; p. 475.
- Baby's head-protector. B. G. Fitch. No. 1,072,321; Sept. 2; Gaz. vol. 194; p. 219.
- Back-band and trace hook. J. F. Rone. No. 1,053,441; Feb. 18; Gaz. vol. 187; p. 624.
- Back-band for harness. W. S. Welden. No. 1,060,045; Apr. 29; Gaz. vol. 189; p. 1066.
- Backstay-supporter. E. Spencer. No. 1,051,024; Jan. 21; Gaz. vol. 186; p. 653.
- Bacon or ham sacking machine. J. A. Henebergh. No. 1,069,253; Aug. 5; Gaz. vol. 193; p. 59.
- Badge. J. Connor. No. 1,082,679; Dec. 30; Gaz. vol. 197; p. 1074.
- Bag: See Clothes-pin bag; Feed-bag; Garment-bag; Hand-bag; Ice-bag; Mail-bag; Mesh-bag; Mothproof bag; Mothproof rug-bag; Nose-bag; Paper bag; Refuse-bag; Saddle-bag; Shopping-bag; Sleeping-bag; Storage-bag; Striking-bag; Swimming-bag; Traveling-bag; Water-bag.
- Bag. M. H. Eiseaman. No. 1,051,716; Jan. 28; Gaz. vol. 186; p. 918.
- Bag-bottoming machine. C. B. Stilwell. No. 1,058,806; Apr. 15; Gaz. vol. 189; p. 566.
- Bag-closure. F. Donegan. No. 1,064,301; June 10; Gaz. vol. 191; p. 422.
- Bag-closure. H. Ebert. No. 1,071,991; Sept. 2; Gaz. vol. 194; p. 110.
- Bag closure and carrier. E. M. Wallace. No. 1,079,527; Nov. 25; Gaz. vol. 196; p. 880.
- Bag-counter for bag-making machines. F. E. Farnham. No. 1,057,629; Apr. 1; Gaz. vol. 189; p. 79.
- Bag-fastener. H. G. Beck. No. 1,070,389; Aug. 19; Gaz. vol. 193; p. 518.
- Bag-fastener. H. Tueckmantel. No. 1,080,792; Dec. 9; Gaz. vol. 197; p. 336.
- Bag-fastener. A. Kaufmann. No. 1,082,124; Dec. 23; Gaz. vol. 197; p. 848.
- Bag-fastener. A. Petrie. No. 1,082,476; Dec. 23; Gaz. vol. 197; p. 967.
- Bag-fastening device. A. M. Bates. No. 1,062,948; May 27; Gaz. vol. 190; p. 924.
- Bag filling and tying apparatus. S. J. Rice. No. 1,072,775; Sept. 9; Gaz. vol. 194; p. 407.
- Bag-filling machine. G. Hoepner. No. 1,058,747; Apr. 15; Gaz. vol. 189; p. 546.
- Bag-filling machine. B. F. Brown. No. 1,069,848; Aug. 12; Gaz. vol. 193; p. 292.
- Bag-filling machine. A. M. Bates. No. 1,070,388; Aug. 19; Gaz. vol. 193; p. 518.
- Bag-frame. F. A. Fuller. No. 1,062,391; May 20; Gaz. vol. 190; p. 699.
- Bag-frame. F. Goertz. No. 1,075,560; Oct. 14; Gaz. vol. 195; p. 363.
- Bag-frame-handle fastening. F. A. Fuller. No. 1,062,390; May 20; Gaz. vol. 190; p. 698.
- Bag-frame inlay. J. Ritter. No. 1,078,383; Nov. 11; Gaz. vol. 196; p. 427.
- Bag-frame safety-catch. B. vom Eigen. No. 1,052,805; Feb. 11; Gaz. vol. 187; p. 360.
- Bag-frames, Making. F. A. Fuller. No. 1,056,272; Mar. 18; Gaz. vol. 188; p. 616.
- Bag-handler. C. L. Sawyer. No. 1,061,014; May 6; Gaz. vol. 190; p. 158.
- Bag-holder. J. H. Devini. No. 1,049,821; Jan. 7; Gaz. vol. 186; p. 171.
- Bag-holder. G. C. Harrison. No. 1,055,745; Mar. 11; Gaz. vol. 188; p. 402.
- Bag-holder. H. W. Hildreth. No. 1,057,240; Mar. 25; Gaz. vol. 188; p. 979.
- Bag-holder. J. G. Lundy. No. 1,059,678; Apr. 22; Gaz. vol. 189; p. 902.
- Bag-holder. S. W. Anderson. No. 1,062,811; May 27; Gaz. vol. 190; p. 878.
- Bag-holder. J. F. Thresher. No. 1,067,888; July 22; Gaz. vol. 192; p. 781.
- Bag-holder. S. A. Ott. No. 1,070,169; Aug. 12; Gaz. vol. 193; p. 401.
- Bag-holder. O. E. Blood. No. 1,078,083; Nov. 11; Gaz. vol. 196; p. 320.
- Bag-holder. O. Anderson. No. 1,081,291; Dec. 16; Gaz. vol. 197; p. 540.
- Bag holder, Suit-. F. Pomponio. No. 1,064,375; June 10; Gaz. vol. 191; p. 447.
- Bag-lock. L. Wertheim. No. 1,074,074; Sept. 23; Gaz. vol. 194; p. 919.
- Bag-lock. C. A. Landerholm. No. 1,080,286; Dec. 2; Gaz. vol. 197; p. 129.
- Bag lock, Hand-. J. Partmann. No. 1,072,981; Sept. 9; Gaz. vol. 194; p. 484.
- Bag-machine. R. H. Plass. No. 1,054,867; Mar. 4; Gaz. vol. 188; p. 74.
- Bag reversing and lining apparatus. W. H. Richardson. No. 1,082,651; Dec. 30; Gaz. vol. 197; p. 1062.
- Bag, satchel, and similar receptacle. M. J. H. Cunningham. No. 1,060,824; May 6; Gaz. vol. 190; p. 89.
- Bag separating and feeding appliance. J. S. Slosson. No. 1,081,705; Dec. 16; Gaz. vol. 197; p. 676.
- Bag support, Striking-. P. Rank. No. 1,066,437; July 1; Gaz. vol. 192; p. 184.
- Bag-tie machine. E. Truman and A. Tietz. No. 1,079,075; Nov. 18; Gaz. vol. 196; p. 697.
- Bag-tying machine. J. P. Curry. No. 1,074,587; Sept. 30; Gaz. vol. 194; p. 1117.
- Bagging machine. W. F. Lockwood. No. 1,065,882; June 24; Gaz. vol. 191; p. 1026.
- Bagging-machine. A. M. Bates. No. 1,071,385; Aug. 26; Gaz. vol. 193; p. 886.
- Baggage-rack. P. N. Landine. No. 1,050,667; Jan. 14; Gaz. vol. 186; p. 493.
- Baggage-rack. P. N. Landine. No. 1,069,620; Aug. 5; Gaz. vol. 193; p. 183.
- Bagpipe-chanter. H. Starck. No. 1,069,200; Aug. 5; Gaz. vol. 193; p. 39.
- Bail, Bucket-. T. Silk. No. 1,064,099; June 10; Gaz. vol. 191; p. 352.
- Bail for flower-pots and like articles, Detachable. G. B. Hart. No. 1,077,879; Nov. 4; Gaz. vol. 196; p. 218.
- Bail-handle. H. Coonley. No. 1,073,740; Sept. 23; Gaz. vol. 194; p. 807.
- Bailing-machine. W. F. Welter. No. 1,056,868; Mar. 25; Gaz. vol. 188; p. 849.
- Bait, Artificial. R. T. Wilson. No. 1,060,873; May 6; Gaz. vol. 190; p. 107.
- Bait, Artificial. H. S. Welles. No. 1,078,886; Nov. 18; Gaz. vol. 196; p. 630.
- Bait, Artificial fish-. C. O. Blee and J. C. Helmkamp. No. 1,056,494; Mar. 18; Gaz. vol. 188; p. 691.
- Bait, Artificial fish-. R. A. Lambert. No. 1,067,178; July 8; Gaz. vol. 192; p. 469.
- Bait, Artificial fish-. C. W. Lane. No. 1,068,908; July 29; Gaz. vol. 192; p. 1173.
- Bait-holder. A. W. Balch, Jr. No. 1,076,542; Oct. 21; Gaz. vol. 195; p. 729.
- Bait or lure, Fish. H. S. Faught. No. 1,069,093; July 29; Gaz. vol. 192; p. 1236.
- Bait tie, Live-. J. H. Nelson. No. 1,062,726; May 27; Gaz. vol. 190; p. 849.
- Bake-pan. F. P. Thiem and F. G. Guenther. No. 1,069,204; Aug. 5; Gaz. vol. 193; p. 41.
- Bakers' products, Making. G. Peters. No. 1,077,552; Nov. 4; Gaz. vol. 196; p. 109.
- Bakery-rack, Folding. H. J. Rock. No. 1,051,452; Jan. 28; Gaz. vol. 186; p. 830.
- Baking cones. M. L. Hitchcock. No. 1,062,157; May 20; Gaz. vol. 190; p. 620.
- Baking device. M. L. Hitchcock. No. 1,073,126; Sept. 16; Gaz. vol. 194; p. 569.
- Baking machinery. O. C. Knipe. No. 1,064,345; June 10; Gaz. vol. 191; p. 436.
- Baking-pan attachment. J. E. Wallace. No. 1,063,144; May 27; Gaz. vol. 190; p. 988.

Alphabetical list of inventions—Continued.

- Baking pan, Bread-. W. J. Gillespie. No. 1,050,449; Jan. 14; Gaz. vol. 186; p. 420.
- Baking pastry cones, Apparatus for. A. M. Carlsen. No. 1,078,572; Nov. 11; Gaz. vol. 196; p. 488.
- Baking-powder. E. Jacoby. No. 1,058,980; Apr. 15; Gaz. vol. 189; p. 629.
- Baking-powder. W. Klapproth. No. 1,061,183; May 6; Gaz. vol. 190; p. 213.
- Balance. E. Sartorius. No. 1,065,844; June 24; Gaz. vol. 191; p. 1012.
- Balance. E. Zimpel. No. 1,078,029; Nov. 11; Gaz. vol. 196; p. 302.
- Balance, Specific-gravity. B. R. Jolly. No. 1,072,952; Sept. 9; Gaz. vol. 194; p. 473.
- Balance, Spring-. P. Catucci. No. 1,063,242; June 3; Gaz. vol. 191; p. 25.
- Balancing-machine. W. W. Linder. No. 1,069,272; Aug. 5; Gaz. vol. 193; p. 65.
- Balancing-machine. J. Wilkinson. No. 1,082,001; Dec. 23; Gaz. vol. 197; p. 806.
- Bale-band-applying device. J. H. Marion. No. 1,079,602; Nov. 25; Gaz. vol. 196; p. 908.
- Bale-regulator for hay-balers, Automatic. G. Gordon and H. Hoyl. No. 1,069,124; Aug. 5; Gaz. vol. 193; p. 12.
- Bale-tag. G. S. Lowndes, Jr. No. 1,056,701; Mar. 18; Gaz. vol. 188; p. 762.
- Bale-tie. E. A. Frantz. No. 1,058,576; Apr. 8; Gaz. vol. 189; p. 449.
- Bale-tie. E. A. Frantz. No. 1,058,666; Apr. 8; Gaz. vol. 189; p. 480.
- Bale-tie. C. E. Pulver. No. 1,080,778; Dec. 9; Gaz. vol. 197; p. 331.
- Bales, Apparatus for reshaping and compressing plantation cotton-. J. L. Sheppard. No. 1,071,811; Sept. 2; Gaz. vol. 194; p. 50.
- Baler and press, Hay-. B. A. McKinney. No. 1,055,204; Mar. 4; Gaz. vol. 188; p. 184.
- Baler, Corn-. F. Osborn. No. 1,052,944; Feb. 11; Gaz. vol. 187; p. 409.
- Baler, Hand-power hay-. G. G. Green. No. 1,049,704; Jan. 7; Gaz. vol. 186; p. 132.
- Baler, Hay-. M. A. Gibbons. No. 1,057,340; Mar. 25; Gaz. vol. 188; p. 1010.
- Baler tying device, Hay-. W. H. Leavitt. No. 1,073,499; Sept. 16; Gaz. vol. 194; p. 700.
- Balers, Wiring mechanism for hay-. A. L. Lamar. No. 1,076,834; Oct. 28; Gaz. vol. 195; p. 885.
- Baling apparatus, Combined filler and packer for. S. D. Murray. No. 1,074,061; Sept. 23; Gaz. vol. 194; p. 914.
- Baling-machine. H. E. Wheeler. No. 1,062,066; May 20; Gaz. vol. 190; p. 588.
- Baling-machine. R. M. Mowry. No. 1,076,601; Oct. 21; Gaz. vol. 195; p. 750.
- Baling-machine, Automatic. T. S. Pearson and T. M. Conner. No. 1,075,376; Oct. 14; Gaz. vol. 195; p. 299.
- Baling machine, Hay-. J. L. Cook. No. 1,069,112; Aug. 5; Gaz. vol. 193; p. 8.
- Baling machine, Hay-. L. W. Palmer. No. 1,081,624; Dec. 16; Gaz. vol. 197; p. 650.
- Baling mechanism. O. Kluge. No. 1,062,243; May 20; Gaz. vol. 190; p. 649.
- Baling-press. J. A. Marx. No. 1,049,889; Jan. 7; Gaz. vol. 186; p. 193.
- Baling-press. P. H. Cazier. No. 1,050,425; Jan. 14; Gaz. vol. 186; p. 410.
- Baling-press. G. E. Jackson. No. 1,053,397; Feb. 18; Gaz. vol. 187; p. 608.
- Baling-press. G. E. Jackson. No. 1,053,398; Feb. 18; Gaz. vol. 187; p. 608.
- Baling-press. G. Wenzelmann. No. 1,054,630; Feb. 25; Gaz. vol. 187; p. 1064.
- Baling-press. W. S. Livengood. No. 1,056,919; Mar. 25; Gaz. vol. 188; p. 867.
- Baling-press. H. L. Whitman. No. 1,059,248; Apr. 15; Gaz. vol. 189; p. 720.
- Baling-press. L. B. Wygant. No. 1,065,648; June 24; Gaz. vol. 191; p. 946.
- Baling-press. C. L. Cookson. No. 1,069,231; Aug. 5; Gaz. vol. 193; p. 52.
- Baling-press. P. C. Southwick. No. 1,069,586; Aug. 5; Gaz. vol. 193; p. 171.
- Baling-press. M. C. Nixon. (Reissue.) No. 13,615; Sept. 9; Gaz. vol. 194; p. 522.
- Baling-press. S. D. Murray. No. 1,074,642; Oct. 7; Gaz. vol. 195; p. 19.
- Baling-press. J. W. Nicholas. No. 1,075,056; Oct. 7; Gaz. vol. 195; p. 162.
- Baling-press. W. R. Potter. No. 1,075,494; Oct. 14; Gaz. vol. 195; p. 340.
- Baling-press. G. E. Jackson. No. 1,076,288; Oct. 21; Gaz. vol. 195; p. 638.
- Baling-press. J. N. Wood. No. 1,079,683; Nov. 25; Gaz. vol. 196; p. 934.
- Baling-press indicating attachment. E. Ruff. No. 1,057,885; Apr. 1; Gaz. vol. 189; p. 168.
- Baling-press lever mechanism. G. B. Swan. No. 1,082,454; Dec. 23; Gaz. vol. 197; p. 961.
- Baling-press packer. D. E. Bellinger. (Reissue.) No. 13,571; June 10; Gaz. vol. 191; p. 557.
- Baling-press packer. L. B. Wygant. No. 1,072,069; Sept. 2; Gaz. vol. 194; p. 136.
- Baling-press signal. A. B. Cornell. No. 1,069,602; Aug. 5; Gaz. vol. 193; p. 176.
- Baling-presses, Block-placer for. L. B. Wygant. No. 1,073,382; Sept. 16; Gaz. vol. 194; p. 661.
- Baling-presses, Sill-brace for. H. M. Tallman. No. 1,053,071; Feb. 11; Gaz. vol. 187; p. 451.
- Baling tamper, Steam cotton-. J. L. Walker. No. 1,075,234; Oct. 7; Gaz. vol. 195; p. 223.
- Ball: See Bowling-ball; Buzz-ball; Inflatable ball; Pipe-ball; Playing-ball; Resilient ball; Shake-ball.
- Ball-and-socket joint. R. R. Harrell. No. 1,055,168; Mar. 4; Gaz. vol. 188; p. 173.
- Ball-and-socket joint. H. C. Turner. No. 1,065,483; June 24; Gaz. vol. 191; p. 891.
- Ball-and-socket joint. H. Mayer and G. Schlatter. No. 1,073,264; Sept. 16; Gaz. vol. 194; p. 619.
- Ball-and-socket joint. A. Zähringer. No. 1,079,531; Nov. 25; Gaz. vol. 196; p. 881.
- Ball-bearing coupling. G. W. McAlister. No. 1,049,890; Jan. 7; Gaz. vol. 186; p. 194.
- Ball-joint. L. W. Andersen. No. 1,080,405; Dec. 2; Gaz. vol. 197; p. 173.
- Ball-joint for discharge-pipes of hydraulic dredges. A. W. Robinson. No. 1,053,648; Feb. 18; Gaz. vol. 187; p. 694.
- Ball-mill. C. L. Carman. No. 1,066,077; July 1; Gaz. vol. 192; p. 61.
- Ball or pebble mill. G. F. W. Hope and H. W. J. Cheffins. No. 1,054,415; Feb. 25; Gaz. vol. 187; p. 992.
- Ball-playing apparatus, Base-. H. Schum. No. 1,073,783; Sept. 23; Gaz. vol. 194; p. 821.
- Ball-playing fields and the like, Protective cover for base-. R. L. Hedges and A. M. Branch. No. 1,063,198; June 3; Gaz. vol. 191; p. 10.
- Ball-playing fields and the like, Protective cover for base-. R. L. Hedges and A. M. Branch. No. 1,063,199; June 3; Gaz. vol. 191; p. 11.
- Ball-slinger. F. B. Kirkness. No. 1,075,041; Oct. 7; Gaz. vol. 195; p. 156.
- Balls, Forming cork. F. E. Chester. No. 1,074,835; Oct. 7; Gaz. vol. 195; p. 84.
- Ballast-cleaner. W. I. Trench and A. G. Zepp. No. 1,074,142; Sept. 30; Gaz. vol. 194; p. 971.
- Ballast device. R. A. D. Preston. No. 1,076,060; Oct. 21; Gaz. vol. 195; p. 561.
- Ballast-spreader. J. B. Galivan. No. 1,058,959; Apr. 15; Gaz. vol. 189; p. 621.
- Balloon. A. von Hoffmann. No. 1,056,791; Mar. 25; Gaz. vol. 188; p. 823.
- Balloon. M. Vaniman. No. 1,081,794; Dec. 16; Gaz. vol. 197; p. 707.
- Balloon building or covering apparatus. M. Vaniman. No. 1,081,793; Dec. 16; Gaz. vol. 197; p. 707.
- Balloon, Dirigible. J. Schütte. No. 1,072,514; Sept. 9; Gaz. vol. 194; p. 316.
- Balloons, Making. M. Vaniman. No. 1,081,792; Dec. 16; Gaz. vol. 197; p. 707.
- Balloons, Shelter for housing dirigible. M. Vaniman. No. 1,057,366; Mar. 25; Gaz. vol. 188; p. 1018.
- Ballot-box. C. A. Ball. No. 1,082,673; Dec. 30; Gaz. vol. 197; p. 1072.
- Balloting-box for fraternal orders. H. Braasch. No. 1,063,111; May 27; Gaz. vol. 190; p. 977.
- Balloting device. H. C. Cook. No. 1,056,502; Mar. 18; Gaz. vol. 188; p. 695.
- Balloting system. W. F. Legg. No. 1,081,314; Dec. 16; Gaz. vol. 197; p. 547.
- Banana-shipping device. J. F. Holmes. No. 1,082,524; Dec. 30; Gaz. vol. 197; p. 1017.
- Banana-stand. H. F. Royse. No. 1,078,804; Nov. 18; Gaz. vol. 196; p. 603.
- Band-brake. H. A. Tuttle. No. 1,051,928; Feb. 4; Gaz. vol. 187; p. 27.
- Band-cutters and feeders, Side conveyer for. A. C. Van Houwelling. No. 1,076,533; Oct. 21; Gaz. vol. 195; p. 726.
- Band-making machine. O. N. Tevander. No. 1,078,707; Nov. 18; Gaz. vol. 196; p. 568.
- Band-press for drying vegetable and mineral substances. H. Brune and H. Horst. No. 1,055,384; Mar. 11; Gaz. vol. 188; p. 282.
- Band-tightener. C. H. Colson. No. 1,055,021; Mar. 4; Gaz. vol. 188; p. 125.
- Bandage, Adjustable foot-. A. E. Mattler. No. 1,050,482; Jan. 14; Gaz. vol. 186; p. 432.
- Bandage, Catamenial. F. Baruch. No. 1,052,205; Feb. 4; Gaz. vol. 187; p. 125.
- Bandage package, Plaster-of-Paris-. O. C. Schulz. No. 1,070,923; Aug. 19; Gaz. vol. 193; p. 696.
- Bandage roll, Gauze-. P. S. Bauer. No. 1,070,940; Aug. 19; Gaz. vol. 193; p. 702.
- Bandage, Suspensory. W. F. Ware. No. 1,057,693; Apr. 1; Gaz. vol. 189; p. 102.
- Banding-tool. A. M. Wight. No. 1,070,567; Aug. 19; Gaz. vol. 193; p. 581.
- Banding-wheel. H. E. Coleman. No. 1,051,689; Jan. 28; Gaz. vol. 186; p. 910.

Alphabetical list of inventions—Continued.

- Bandeau. N. McMurtry. No. 1,051,248; Jan. 21; Gaz. vol. 186; p. 727.
- Banjo, drum, or similar musical instrument. C. Habermann. No. 1,080,440; Dec. 2; Gaz. vol. 197; p. 184.
- Banjoes, &c., Neck for. O. Schmidt. No. 1,062,509; May 20; Gaz. vol. 190; p. 737.
- Bank, Alarm-. C. Sayers. No. 1,056,590; Mar. 18; Gaz. vol. 188; p. 725.
- Bank-note cutting and signing machine. N. W. Truxal. No. 1,057,018; Mar. 25; Gaz. vol. 188; p. 902.
- Bank-note tester. I. De Dragits. No. 1,074,316; Sept. 30; Gaz. vol. 194; p. 1028.
- Bank protective device. W. Rakowski. No. 1,065,626; June 24; Gaz. vol. 191; p. 939.
- Bank, Savings-. B. vom Eigen. No. 1,057,130; Mar. 25; Gaz. vol. 188; p. 941.
- Bank, Savings-. B. vom Eigen. No. 1,057,131; Mar. 25; Gaz. vol. 188; p. 941.
- Bank, Savings-. C. Fisher. No. 1,072,709; Sept. 9; Gaz. vol. 194; p. 384.
- Bank, Savings-. C. Fisher. No. 1,073,847; Sept. 23; Gaz. vol. 194; p. 842.
- Banking-pin. J. A. Freund. No. 1,062,645; May 27; Gaz. vol. 190; p. 825.
- Bar: See Boring-bar; Claw-bar; Concrete-reinforcing bar; Connecting-bar; Core-bar; Corner-bar; Cutter-bar; Cycle handle-bar; Cycle side bar; Draw-bar; Glazing-bar; Grate-bar; Harrow-bar; Lintel-bar; Metal bar; Plow-point bar; Printing-bar; Reinforcing-bar; Sash-bar; Splice-bar; Traction-bar; Triple bar; Type-bar; Velocipede handle-bar; Wire-stretcher clamping-bar.
- Bar-fixture. W. G. Thau. No. 1,071,114; Aug. 26; Gaz. vol. 193; p. 796.
- Bar-shaping tool. L. W. Noyes. No. 1,051,752; Jan. 28; Gaz. vol. 186; p. 929.
- Bars, Threading drops on slide-. W. H. Baker. No. 1,051,664; Jan. 28; Gaz. vol. 186; p. 902.
- Barber's chair. T. J. Howard. No. 1,073,419; Sept. 16; Gaz. vol. 194; p. 673.
- Barbers' chairs, Paper-holding device for. F. Witte. No. 1,052,115; Feb. 4; Gaz. vol. 187; p. 94.
- Barbers' checks and accessories, Sanitary holder for. F. J. Cox. No. 1,077,809; Nov. 4; Gaz. vol. 196; p. 194.
- Barge-unloading apparatus. E. R. Orbin. No. 1,055,788; Mar. 11; Gaz. vol. 188; p. 418.
- Barium and strontium compounds, Manufacturing. A. W. Ekstrom. No. 1,067,595; July 15; Gaz. vol. 192; p. 648.
- Bark-removing machines, Knife-adjusting mechanism for. T. W. Simpson. No. 1,068,371; July 22; Gaz. vol. 192; p. 946.
- Bark-softening vat. E. S. Connors. No. 1,081,890; Dec. 16; Gaz. vol. 197; p. 740.
- Barn. C. Dolph. No. 1,079,040; Nov. 18; Gaz. vol. 196; p. 685.
- Barometer, Recording mercury-. G. Agolini. No. 1,068,726; July 29; Gaz. vol. 192; p. 1108.
- Barrel. E. W. Robinson. No. 1,052,178; Feb. 4; Gaz. vol. 187; p. 116.
- Barrel. E. W. Robinson. No. 1,058,004; Apr. 1; Gaz. vol. 189; p. 208.
- Barrel, Collapsible. J. S. Harmon. No. 1,077,138; Oct. 28; Gaz. vol. 195; p. 988.
- Barrel-cover. R. Winchel. No. 1,057,604; Apr. 1; Gaz. vol. 189; p. 71.
- Barrel-filler, Automatic. A. M. Morrison. No. 1,070,831; Aug. 19; Gaz. vol. 193; p. 668.
- Barrel-filling devices, Cut-off for. W. A. Hardwick. No. 1,064,208; June 10; Gaz. vol. 191; p. 391.
- Barrel-head. R. O. Carter. No. 1,075,399; Oct. 14; Gaz. vol. 195; p. 308.
- Barrel-head-shaping machine. E. F. Beugler. No. 1,063,497; June 3; Gaz. vol. 191; p. 110.
- Barrel-hoop. E. I. Braddock. No. 1,053,151; Feb. 18; Gaz. vol. 187; p. 523.
- Barrel, Knockdown. E. C. Morris. No. 1,057,761; Apr. 1; Gaz. vol. 189; p. 124.
- Barrel, Knockdown metal. H. A. House. No. 1,078,621; Nov. 18; Gaz. vol. 196; p. 537.
- Barrel-making machine. E. W. Robinson and H. P. Feister. No. 1,052,177; Feb. 4; Gaz. vol. 187; p. 116.
- Barrel-making, Machine for preparing material for. H. N. Bigger. No. 1,052,790; Feb. 11; Gaz. vol. 187; p. 355.
- Barrel, Metal. G. G. Fryer. No. 1,080,825; Dec. 9; Gaz. vol. 197; p. 349.
- Barrel, Metallic. L. S. Flatau. No. 1,049,837; Jan. 7; Gaz. vol. 186; p. 177.
- Barrel, Metallic. L. S. Flatau. No. 1,053,487; Feb. 18; Gaz. vol. 187; p. 639.
- Barrel, Metallic. D. B. Galbally. No. 1,054,106; Feb. 25; Gaz. vol. 187; p. 885.
- Barrel, Metallic. G. J. Clark and H. Curtland. No. 1,073,396; Sept. 16; Gaz. vol. 194; p. 666.
- Barrel or receptacle. L. Sternecker. No. 1,080,601; Dec. 9; Gaz. vol. 197; p. 269.
- Barrel-support. E. R. Hutchison. No. 1,076,371; Oct. 21; Gaz. vol. 195; p. 668.
- Barrels, &c., Adjustable stand for. J. Sunkler. No. 1,064,939; June 17; Gaz. vol. 191; p. 671.
- Barrels, kegs, and the like, Machine for heading. J. R. Place. No. 1,070,841; Aug. 19; Gaz. vol. 193; p. 671.
- Barrels, Machine for forming sheet-metal. W. B. Goddard. No. 1,058,669; Apr. 8; Gaz. vol. 189; p. 481.
- Barrels, Machine for making sheet-metal. J. H. Killon. No. 1,056,030; Mar. 18; Gaz. vol. 188; p. 533.
- Barrels, Making metallic. D. B. Galbally. No. 1,054,105; Feb. 25; Gaz. vol. 187; p. 885.
- Barrette. W. J. Hines and W. F. Hicks. No. 1,077,345; Nov. 4; Gaz. vol. 196; p. 37.
- Barrette and comb, Combination. E. A. Stacy. No. 1,050,869; Jan. 21; Gaz. vol. 186; p. 597.
- Barrow. H. L. Motter. No. 1,068,359; July 22; Gaz. vol. 192; p. 942.
- Barytes from ores, Separating. C. J. Greenstreet. No. 1,069,545; Aug. 5; Gaz. vol. 193; p. 158.
- Base-ball fields, Diamond-cover for. W. McDonald. No. 1,052,498; Feb. 11; Gaz. vol. 187; p. 256.
- Base-ball fields, Signal-base for. S. H. Wills. No. 1,066,773; July 8; Gaz. vol. 192; p. 334.
- Basin. W. A. Dunlap. No. 1,051,393; Jan. 28; Gaz. vol. 186; p. 810.
- Basin. E. F. Metzger. No. 1,069,972; Aug. 12; Gaz. vol. 193; p. 333.
- Basin. W. A. Dunlap. No. 1,075,341; Oct. 14; Gaz. vol. 195; p. 286.
- Basin, Catch-. L. Gschwind. No. 1,060,338; Apr. 29; Gaz. vol. 189; p. 1168.
- Basin, Catch-. D. E. Piper. No. 1,066,316; July 1; Gaz. vol. 192; p. 147.
- Basin, Catch-. E. C. Brown. No. 1,076,945; Oct. 28; Gaz. vol. 195; p. 925.
- Basin holder, Wash-. E. V. Sanders. No. 1,062,507; May 20; Gaz. vol. 190; p. 736.
- Basins, &c., Manufacture of. W. A. Dunlap. No. 1,051,394; Jan. 28; Gaz. vol. 186; p. 810.
- Basket. E. Hanchett. No. 1,057,483; Apr. 1; Gaz. vol. 189; p. 30.
- Basket, Bottle-. D. A. Wedmore. No. 1,070,212; Aug. 12; Gaz. vol. 193; p. 416.
- Basket, Collapsible waste-. G. L. Johnson. No. 1,061,297; May 13; Gaz. vol. 190; p. 286.
- Basket, Dust-proof. M. J. Harrington and F. Jutrash. No. 1,053,989; Feb. 25; Gaz. vol. 187; p. 846.
- Basket, Folding. A. S. Hursh. No. 1,071,054; Aug. 26; Gaz. vol. 193; p. 775.
- Basket for bottle-conveyers. J. W. Dawson. No. 1,078,262; Nov. 11; Gaz. vol. 196; p. 382.
- Basket-frame, Detachable. J. P. H. Lane. No. 1,073,691; Sept. 23; Gaz. vol. 194; p. 790.
- Basket, Knockdown fruit-. A. A. Verrette. No. 1,050,407; Jan. 14; Gaz. vol. 186; p. 403.
- Basket-machine. C. Harley. No. 1,061,939; May 13; Gaz. vol. 190; p. 504.
- Basket made from veneer, Stave or splint. C. E. Guile and T. W. Windnagle. No. 1,063,433; June 3; Gaz. vol. 191; p. 89.
- Basket, Portable laundry-. J. Harris. No. 1,082,323; Dec. 23; Gaz. vol. 197; p. 919.
- Basket, Preserving-jar. J. Pohle. No. 1,064,248; June 10; Gaz. vol. 191; p. 404.
- Basket-rack. W. H. Mussey. No. 1,069,569; Aug. 5; Gaz. vol. 193; p. 165.
- Baskets, Netting-tucker for. J. R. and H. R. Geisman. No. 1,053,378; Feb. 18; Gaz. vol. 187; p. 602.
- Baskets, Reinforcement for. A. Marcus. No. 1,071,766; Sept. 2; Gaz. vol. 194; p. 34.
- Bat, Base-ball. L. S. May. No. 1,063,563; June 3; Gaz. vol. 191; p. 133.
- Bat-forming apparatus. D. and R. H. Haynes. No. 1,073,681; Sept. 23; Gaz. vol. 194; p. 786.
- Bath: See Dye-bath; Electric-light bath; Molten bath; Oxygen-bath; Shower-bath.
- Bath accessory. F. Hess. No. 1,063,794; June 3; Gaz. vol. 191; p. 215.
- Bath apparatus. W. L. Dodge. No. 1,060,236; Apr. 29; Gaz. vol. 189; p. 1131.
- Bath apparatus. J. F. King. No. 1,066,121; July 1; Gaz. vol. 192; p. 77.
- Bath apparatus, Portable shower-. M. Herscovitz. No. 1,049,714; Jan. 7; Gaz. vol. 186; p. 136.
- Bath apparatus, Shower-. J. E. Langley. No. 1,054,572; Feb. 25; Gaz. vol. 187; p. 1044.
- Bath apparatus, Shower-. J. H. McElroy. No. 1,056,811; Mar. 25; Gaz. vol. 188; p. 829.
- Bath apparatus, Vapor-. A. Brueggeman. No. 1,080,678; Dec. 9; Gaz. vol. 197; p. 294.
- Bath-cabinet. J. H. Pride. No. 1,061,565; May 13; Gaz. vol. 190; p. 382.
- Bath-cabinet. D. L. Thompson. No. 1,065,853; June 24; Gaz. vol. 191; p. 1016.
- Bath cabinet, Electric-. T. E. Murray and G. K. Jessup. No. 1,064,983; June 17; Gaz. vol. 191; p. 686.
- Bath-mat. R. V. Zimmerman. No. 1,065,909; June 24; Gaz. vol. 191; p. 1035.
- Bath-mat. W. E. Allen. No. 1,080,315; Dec. 2; Gaz. vol. 197; p. 138.
- Bath-room fixture. O. Moberg and J. F. Lamb. No. 1,059,554; Apr. 22; Gaz. vol. 189; p. 862.
- Bath-room fixture. G. F. Arburg. No. 1,076,808; Oct. 28; Gaz. vol. 195; p. 876.

Alphabetical list of inventions—Continued.

- Bath-room heater. G. E. Sharpe. No. 1,061,332; May 13; Gaz. vol. 190; p. 299.
- Bath-shower. C. S. C. Rock. No. 1,083,141; Dec. 30; Gaz. vol. 197; p. 1229.
- Bath trap, waste, and overflow, Combination. J. T. Harnett. No. 1,070,372; Aug. 12; Gaz. vol. 193; p. 472.
- Bath-tub. J. C. Reed. No. 1,049,917; Jan. 7; Gaz. vol. 186; p. 202.
- Bath-tub. J. C. Reed. No. 1,050,071; Jan. 7; Gaz. vol. 186; p. 256.
- Bath-tub. D. Christen. No. 1,067,898; July 22; Gaz. vol. 192; p. 784.
- Bath-tub. J. J. Lawler. No. 1,079,775; Nov. 25; Gaz. vol. 196; p. 969.
- Bath-tub and washstand, Combined. G. H. Barker. No. 1,082,065; Dec. 23; Gaz. vol. 197; p. 829.
- Bath-tub attachment. F. R. Litton. No. 1,051,741; Jan. 28; Gaz. vol. 186; p. 926.
- Bath-tub attachment. S. J. Fisher. No. 1,054,834; Mar. 4; Gaz. vol. 188; p. 63.
- Bath-tub, Baby's portable collapsible. P. O. Owsley. No. 1,073,435; Sept. 16; Gaz. vol. 194; p. 678.
- Bath-tub, Collapsible. E. A. M. Gallagher. No. 1,072,446; Sept. 9; Gaz. vol. 194; p. 293.
- Bath-tub, Collapsible. I. Helli. No. 1,075,912; Oct. 14; Gaz. vol. 195; p. 482.
- Bath-tub lining. C. H. Price, Jr. No. 1,081,987; Dec. 23; Gaz. vol. 197; p. 801.
- Bath-tub, Portable. T. L. Stine. No. 1,072,269; Sept. 2; Gaz. vol. 194; p. 202.
- Baths, Apparatus for administering hydrotherapeutic. L. H. Pleins. No. 1,070,374; Aug. 12; Gaz. vol. 193; p. 472.
- Bathing apparatus. W. E. Allen. No. 1,056,876; Mar. 25; Gaz. vol. 188; p. 852.
- Bathing apparatus. A. J. Petter. No. 1,059,314; Apr. 15; Gaz. vol. 189; p. 742.
- Bathing-boat. C. M. Johnson. No. 1,080,635; Dec. 9; Gaz. vol. 197; p. 280.
- Bathing-suit. E. A. Plummer. No. 1,082,905; Dec. 30; Gaz. vol. 197; p. 1153.
- Baton, staff, or cane. J. H. Sutlive. No. 1,081,168; Dec. 9; Gaz. vol. 197; p. 460.
- Batten-strip, Expanding-metal. W. C. Benson and F. T. Scott. No. 1,053,267; Feb. 18; Gaz. vol. 187; p. 563.
- Batteries, Negative-pole plate for storage. W. Morrison. No. 1,067,437; July 15; Gaz. vol. 192; p. 595.
- Batteries, Protective container for dry. I. Kaempfer. No. 1,066,280; July 1; Gaz. vol. 192; p. 135.
- Batteries, Strap or connection for secondary or storage. B. Ford. No. 1,073,670; Sept. 23; Gaz. vol. 194; p. 782.
- Batteries, Treated wood for use in electric storage. B. Heap. No. 1,073,417; Sept. 16; Gaz. vol. 194; p. 673.
- Batteries, Treating wood for use in electric storage. B. Heap. No. 1,051,580; Jan. 28; Gaz. vol. 186; p. 874.
- Batteries, Treating wood separators for storage. J. M. Skinner. No. 1,052,851; Feb. 11; Gaz. vol. 187; p. 376.
- Battery: See Dry-cell battery; Electric battery; Electrical testing-battery; Galvanic battery; Primary battery; Secondary battery; Secondary or storage battery; Storage battery.
- Battery. R. C. Wood. No. 1,049,961; Jan. 7; Gaz. vol. 186; p. 217.
- Battery. W. H. Fenoughty. No. 1,075,556; Oct. 14; Gaz. vol. 195; p. 361.
- Battery-box. C. W. Beck. No. 1,052,449; Feb. 11; Gaz. vol. 187; p. 239.
- Battery-box. C. A. Mahla. No. 1,077,539; Nov. 4; Gaz. vol. 196; p. 105.
- Battery-box construction, Vehicle. H. H. Kennedy. No. 1,067,256; July 15; Gaz. vol. 192; p. 533.
- Battery cabinet, Multiple-service. G. L. Patterson. No. 1,064,370; June 10; Gaz. vol. 191; p. 444.
- Battery cell, Electric. J. H. Gugler. No. 1,055,165; Mar. 4; Gaz. vol. 188; p. 171.
- Battery cell, Primary. J. H. Gugler and G. W. Colles. No. 1,073,677; Sept. 23; Gaz. vol. 194; p. 785.
- Battery-charging apparatus, Storage. C. E. Beach. No. 1,082,187; Dec. 23; Gaz. vol. 197; p. 869.
- Battery-charging system, Secondary. J. A. Wotton. No. 1,059,096; Apr. 15; Gaz. vol. 189; p. 669.
- Battery-charging system, Secondary. J. A. Wotton. No. 1,059,255; Apr. 15; Gaz. vol. 189; p. 723.
- Battery compound, Storage. N. Fallek. No. 1,060,832; May 6; Gaz. vol. 190; p. 92.
- Battery grid, Storage. J. N. Davis. No. 1,076,027; Oct. 21; Gaz. vol. 195; p. 550.
- Battery-holder. G. N. Waterbury, Jr. No. 1,076,927; Oct. 28; Gaz. vol. 195; p. 918.
- Battery installation. L. Y. Spear and G. E. Edgar. No. 1,058,916; Apr. 15; Gaz. vol. 189; p. 606.
- Battery jar, Secondary or storage. B. Ford. No. 1,054,835; Mar. 4; Gaz. vol. 188; p. 63.
- Battery-plate. G. H. Rabenalt. No. 1,068,929; July 29; Gaz. vol. 192; p. 1181.
- Battery plate, Bifunctional storage. A. O. Tate. No. 1,060,216; Apr. 29; Gaz. vol. 189; p. 1123.
- Battery plate, Electric-storage. A. Ricks. No. 1,051,261; Jan. 21; Gaz. vol. 186; p. 731.
- Battery-plate separator. H. E. Pratt. No. 1,056,299; Mar. 18; Gaz. vol. 188; p. 624.
- Battery plate, Storage. W. M. McDougall. No. 1,051,147; Jan. 21; Gaz. vol. 186; p. 694.
- Battery plate, Storage. M. Koener. No. 1,071,322; Aug. 26; Gaz. vol. 193; p. 864.
- Battery-plate terminal. T. A. Willard. No. 1,050,893; Jan. 21; Gaz. vol. 186; p. 606.
- Battery plates, Separator for storage. W. Morrison. No. 1,058,779; Apr. 15; Gaz. vol. 189; p. 557.
- Battery power and charging equipment, Storage. C. H. Thordarson. No. 1,077,175; Oct. 28; Gaz. vol. 195; p. 998.
- Battery-separator. H. Rodman. No. 1,051,637; Jan. 28; Gaz. vol. 186; p. 892.
- Battery separator, Secondary. H. Rodman. No. 1,051,638; Jan. 28; Gaz. vol. 186; p. 892.
- Battery-support. R. M. Lloyd. No. 1,079,709; Nov. 25; Gaz. vol. 196; p. 943.
- Battery-support, Portable. M. Koenig. No. 1,068,250; July 22; Gaz. vol. 192; p. 905.
- Battery-vault, cistern, and semaphore foundation, Combination. J. A. Johnson. No. 1,057,843; Apr. 1; Gaz. vol. 189; p. 154.
- Battery-well. C. F. Massey. No. 1,060,346; Apr. 29; Gaz. vol. 189; p. 1171.
- Battleship. H. M. Silveira. No. 1,080,490; Dec. 2; Gaz. vol. 197; p. 200.
- Battleship. H. M. Silveira. No. 1,080,491; Dec. 2; Gaz. vol. 197; p. 200.
- Battleship. H. M. Silveira. No. 1,080,492; Dec. 2; Gaz. vol. 197; p. 200.
- Bayonet, Automatic. J. D. Pliones and P. G. Collias. No. 1,055,416; Mar. 11; Gaz. vol. 188; p. 293.
- Beach-chair. J. B. Cook. No. 1,061,270; May 13; Gaz. vol. 190; p. 278.
- Beam. D. B. Luten. No. 1,078,365; Nov. 11; Gaz. vol. 196; p. 420.
- Beams, &c., Coupling for roller. W. H. Goldsmith, Jr. No. 1,080,055; Dec. 2; Gaz. vol. 197; p. 48.
- Bean and pea huller. J. D. Leathery. No. 1,060,465; Apr. 29; Gaz. vol. 189; p. 1211.
- Bean and pea hullers, Auxiliary cleaning means for. L. S. Whiting and W. M. Koppes. No. 1,074,227; Sept. 30; Gaz. vol. 194; p. 1000.
- Bean-assorter. R. F. McWilliams. No. 1,080,988; Dec. 9; Gaz. vol. 197; p. 403.
- Bean-hulling device. G. J. Lange. No. 1,067,745; July 15; Gaz. vol. 192; p. 700.
- Bean-picking machine. C. E. Smith. No. 1,079,805; Nov. 25; Gaz. vol. 196; p. 979.
- Bean-picking machines, Roll for. C. E. Smith. No. 1,072,665; Sept. 9; Gaz. vol. 194; p. 369.
- Bean-snipper. W. B. Phinney. No. 1,076,225; Oct. 21; Gaz. vol. 195; p. 617.
- Bean-snipping machine. W. B. Phinney. No. 1,062,663; May 27; Gaz. vol. 190; p. 830.
- Bean-sorter. W. S. Foster. No. 1,079,913; Nov. 25; Gaz. vol. 196; p. 1016.
- Bean-sorting machine. C. E. Smith. No. 1,067,447; July 15; Gaz. vol. 192; p. 598.
- Beans, Decaffeinating natural. N. Rosewater. No. 1,073,929; Sept. 23; Gaz. vol. 194; p. 871.
- Beans for cooking, Device for stringing and cutting. W. R. A. Kemp. No. 1,060,605; May 6; Gaz. vol. 190; p. 14.
- Bearing. C. O. Johnson. No. 1,050,140; Jan. 14; Gaz. vol. 186; p. 312.
- Bearing. G. W. Seaman. No. 1,050,177; Jan. 14; Gaz. vol. 186; p. 325.
- Bearing. F. R. Packham. No. 1,050,995; Jan. 21; Gaz. vol. 186; p. 642.
- Bearing. J. C. Cromwell. No. 1,053,715; Feb. 18; Gaz. vol. 187; p. 719.
- Bearing. G. W. Howell. No. 1,054,552; Feb. 25; Gaz. vol. 187; p. 1038.
- Bearing. G. Horvath. No. 1,055,398; Mar. 11; Gaz. vol. 188; p. 287.
- Bearing. W. I. Chinnick. No. 1,061,899; May 13; Gaz. vol. 190; p. 489.
- Bearing. W. O. Brusch. No. 1,065,660; June 24; Gaz. vol. 191; p. 951.
- Bearing. H. L. Kutter. No. 1,069,793; Aug. 12; Gaz. vol. 193; p. 272.
- Bearing. M. Reid. No. 1,076,701; Oct. 28; Gaz. vol. 195; p. 839.
- Bearing. J. A. Wintroath. No. 1,079,680; Nov. 25; Gaz. vol. 196; p. 933.
- Bearing. S. H. Jones. No. 1,082,084; Dec. 23; Gaz. vol. 197; p. 835.
- Bearing, Adjustable. G. E. Heselton. No. 1,058,304; Apr. 8; Gaz. vol. 189; p. 356.
- Bearing, Adjustable pivot. J. A. Huber. No. 1,071,746; Sept. 2; Gaz. vol. 194; p. 26.
- Bearing and support therefor. P. H. Breakwell. No. 1,058,717; Apr. 15; Gaz. vol. 189; p. 534.
- Bearing and surface, Self-lubricating wood. L. S. Bache. No. 1,076,941; Oct. 28; Gaz. vol. 195; p. 924.
- Bearing, Annular ball. J. W. Schatz. No. 1,073,529; Sept. 16; Gaz. vol. 194; p. 709.

Alphabetical list of inventions—Continued.

- Bearing, Antifriction-. E. S. Woods and A. A. Weigel. No. 1,059,694; Apr. 22; Gaz. vol. 189; p. 907.
- Bearing, Antifriction-. E. L. Sharpneck. No. 1,064,863; June 17; Gaz. vol. 191; p. 647.
- Bearing, Antifriction-. H. Stuebner. No. 1,068,017; July 22; Gaz. vol. 192; p. 824.
- Bearing, Antifriction-. H. Stuebner. No. 1,068,018; July 22; Gaz. vol. 192; p. 825.
- Bearing, Antifriction-. H. Stuebner. No. 1,068,019; July 22; Gaz. vol. 192; p. 825.
- Bearing, Antifriction-. F. E. Bright. No. 1,071,693; Sept. 2; Gaz. vol. 194; p. 7.
- Bearing, Antifriction-. F. E. Bright. No. 1,072,080; Sept. 2; Gaz. vol. 194; p. 140.
- Bearing, Axle-. J. King. No. 1,064,659; June 10; Gaz. vol. 191; p. 543.
- Bearing, Ball-. E. Oldfield. No. 1,051,625; Jan. 28; Gaz. vol. 186; p. 889.
- Bearing, Ball-. H. Hess. No. 1,059,538; Apr. 22; Gaz. vol. 189; p. 856.
- Bearing, Ball-. S. Schneider. No. 1,061,636; May 13; Gaz. vol. 190; p. 405.
- Bearing, Ball-. C. Rathert. No. 1,066,149; July 1; Gaz. vol. 192; p. 86.
- Bearing, Ball-. M. Schubert. No. 1,067,943; July 22; Gaz. vol. 192; p. 799.
- Bearing, Ball-. P. Brühl. No. 1,071,295; Aug. 26; Gaz. vol. 193; p. 855.
- Bearing, Ball-. O. Hoffmann. No. 1,071,317; Aug. 26; Gaz. vol. 193; p. 863.
- Bearing, Ball-. H. Hess. No. 1,071,739; Sept. 2; Gaz. vol. 194; p. 24.
- Bearing, Ball-. J. W. Schatz. No. 1,073,530; Sept. 16; Gaz. vol. 194; p. 709.
- Bearing, Ball-. O. C. Knipe. No. 1,075,829; Oct. 14; Gaz. vol. 195; p. 454.
- Bearing, Ball-. J. Vorraber. No. 1,078,474; Nov. 11; Gaz. vol. 196; p. 456.
- Bearing, Ball-. J. Modler. No. 1,078,940; Nov. 18; Gaz. vol. 196; p. 648.
- Bearing, Ball-. H. Hess. No. 1,079,340; Nov. 25; Gaz. vol. 196; p. 817.
- Bearing, Ball-. W. Sparks. No. 1,080,081; Dec. 2; Gaz. vol. 197; p. 57.
- Bearing, Center-. E. S. Woods. No. 1,057,792; Apr. 1; Gaz. vol. 189; p. 135.
- Bearing compositions, Making. E. G. Gilson. No. 1,071,044; Aug. 26; Gaz. vol. 193; p. 771.
- Bearing construction, Ball-. A. S. Reed. No. 1,080,169; Dec. 2; Gaz. vol. 197; p. 88.
- Bearing, Counterbalanced. J. H. Van Deventer. No. 1,070,088; Aug. 12; Gaz. vol. 193; p. 373.
- Bearing device, Ball-. C. W. Salisbury. No. 1,058,629; Apr. 8; Gaz. vol. 189; p. 467.
- Bearing for car-axes. J. Fredrickson. No. 1,067,727; July 15; Gaz. vol. 192; p. 693.
- Bearing for centrifugal machines. W. J. Gee. No. 1,060,246; Apr. 29; Gaz. vol. 189; p. 1134.
- Bearing for cream-separators. A. S. Stenborg. No. 1,059,500; Apr. 22; Gaz. vol. 189; p. 844.
- Bearing for machinery, Stop-. H. A. Perkins. No. 1,059,313; Apr. 15; Gaz. vol. 189; p. 742.
- Bearing for neck-journals, Elastic ball-. J. P. Johansson. No. 1,064,912; June 17; Gaz. vol. 191; p. 662.
- Bearing for radial and thrust loads, Roller-. C. S. Lockwood. No. 1,049,501; Jan. 7; Gaz. vol. 186; p. 61.
- Bearing for rotary-cylinder machines, Adjustable. G. W. Mascord. No. 1,063,811; June 3; Gaz. vol. 191; p. 221.
- Bearing for turn-tables, Roller-. P. A. Cuenot. No. 1,079,911; Nov. 25; Gaz. vol. 196; p. 1016.
- Bearing for vehicle-wheels, Antifriction-. D. A. Snyder. No. 1,061,506; May 13; Gaz. vol. 190; p. 359.
- Bearing, Hub ball-. J. W. Price. No. 1,071,086; Aug. 26; Gaz. vol. 193; p. 786.
- Bearing, Internal-grinding-wheel. H. T. Shearer. No. 1,078,560; Nov. 11; Gaz. vol. 196; p. 484.
- Bearing mechanism. R. S. Brown. No. 1,078,606; Nov. 18; Gaz. vol. 196; p. 532.
- Bearing, Plasterer's non-callous hawk-. J. N. Cleary. No. 1,059,035; Apr. 15; Gaz. vol. 189; p. 648.
- Bearing, Roller-. J. F. Foster. No. 1,049,471; Jan. 7; Gaz. vol. 186; p. 51.
- Bearing, Roller-. D. E. Lyons. No. 1,051,140; Jan. 21; Gaz. vol. 186; p. 691.
- Bearing, Roller-. D. E. Lyons. No. 1,051,141; Jan. 21; Gaz. vol. 186; p. 692.
- Bearing, Roller-. D. E. Lyons. No. 1,051,142; Jan. 21; Gaz. vol. 186; p. 692.
- Bearing, Roller-. O. F. Zahn. No. 1,055,849; Mar. 11; Gaz. vol. 188; p. 438.
- Bearing, Roller-. T. Cooper. No. 1,059,839; Apr. 22; Gaz. vol. 189; p. 954.
- Bearing, Roller-. S. J. Gilson. No. 1,066,402; July 1; Gaz. vol. 192; p. 174.
- Bearing, Roller-. J. A. Perkins. No. 1,066,752; July 8; Gaz. vol. 192; p. 328.
- Bearing, Roller-. R. F. Bower. No. 1,070,664; Aug. 19; Gaz. vol. 193; p. 612.
- Bearing, Roller-. R. S. Smith. No. 1,072,667; Sept. 9; Gaz. vol. 194; p. 369.
- Bearing, Roller-. W. E. Lewis. No. 1,073,501; Sept. 16; Gaz. vol. 194; p. 700.
- Bearing, Roller-. R. A. Norling. No. 1,074,643; Oct. 7; Gaz. vol. 195; p. 19.
- Bearing-roller retainer. P. Bayer. No. 1,060,579; May 6; Gaz. vol. 190; p. 5.
- Bearing, Roller side. A. Stuckl. No. 1,056,230; Mar. 18; Gaz. vol. 188; p. 601.
- Bearing, Roller side. A. Stuckl. (Reissue.) No. 13,567; May 20; Gaz. vol. 190; p. 764.
- Bearing, Roller side. A. Stuckl. No. 1,082,179; Dec. 23; Gaz. vol. 197; p. 866.
- Bearing-scraper. C. L. Fawcett. No. 1,065,230; June 17; Gaz. vol. 191; p. 766.
- Bearing, Self-lubricating. C. H. Moore. No. 1,064,520; June 10; Gaz. vol. 191; p. 497.
- Bearing, Shaft-. I. H. Spencer. No. 1,066,541; July 8; Gaz. vol. 192; p. 252.
- Bearing, Shaft-. W. M. Bradshaw. No. 1,067,860; July 22; Gaz. vol. 192; p. 772.
- Bearing, Side. J. M. Rohlfing. No. 1,056,943; Mar. 25; Gaz. vol. 188; p. 876.
- Bearing, Spindle-. M. Mueller. No. 1,065,066; June 17; Gaz. vol. 191; p. 713.
- Bearing, Spring-cushioned. W. Jörgensen. No. 1,060,000; Apr. 29; Gaz. vol. 189; p. 1051.
- Bearing, Spring journal-. K. Satzinger. No. 1,071,183; Aug. 26; Gaz. vol. 193; p. 819.
- Bearing, Thrust-. H. G. Johnston. No. 1,049,866; Jan. 7; Gaz. vol. 186; p. 186.
- Bearing, Thrust-. G. Rennerfelt. No. 1,053,437; Feb. 18; Gaz. vol. 187; p. 623.
- Bearing, Thrust-. P. Wagner. No. 1,076,399; Oct. 21; Gaz. vol. 195; p. 678.
- Bearing, Vertical. C. A. Dillon. No. 1,062,638; May 27; Gaz. vol. 190; p. 822.
- Bearing, Wheel-. W. H. Arnold. No. 1,065,424; June 24; Gaz. vol. 191; p. 871.
- Bearing, Wheel-. E. W. Manley. No. 1,070,709; Aug. 19; Gaz. vol. 193; p. 627.
- Bearing with roll-separators, Roller-. C. S. Lockwood. No. 1,080,288; Dec. 2; Gaz. vol. 197; p. 129.
- Bearings, Ball-holding cage for ball-. H. Hess. No. 1,071,738; Sept. 2; Gaz. vol. 194; p. 24.
- Bearings, Ball-retainer for ball-. W. Sparks. No. 1,080,082; Dec. 2; Gaz. vol. 197; p. 58.
- Bearings, Casing-lock for roller-. C. S. Lockwood. No. 1,057,861; Apr. 1; Gaz. vol. 189; p. 160.
- Bearings, Casing-lock for roller-. C. S. Lockwood. No. 1,058,767; Apr. 15; Gaz. vol. 189; p. 552.
- Bearings, Device for assembling ball-. H. B. Whitney. No. 1,074,228; Sept. 30; Gaz. vol. 194; p. 1000.
- Bearings, Double cage for roller-. C. S. Lockwood. No. 1,064,974; June 17; Gaz. vol. 191; p. 684.
- Bearings, Double-casing lock for roller-. C. S. Lockwood. No. 1,058,768; Apr. 15; Gaz. vol. 189; p. 553.
- Bearings, Forming. L. E. Whiton. No. 1,049,958; Jan. 7; Gaz. vol. 186; p. 215.
- Bearings, Lubricating-bars for journal-. F. J. Randall. No. 1,081,930; Dec. 16; Gaz. vol. 197; p. 753.
- Bearings, Machine for lapping. P. Kell. No. 1,076,636; Oct. 21; Gaz. vol. 195; p. 764.
- Bearings, Making ball-. J. Schmid-Roost. No. 1,067,685; July 15; Gaz. vol. 192; p. 680.
- Bearings, Making cages for antifriction-. B. Eitner. No. 1,068,116; July 22; Gaz. vol. 192; p. 857.
- Bearings, Retainer for ball-. L. Pondelick. No. 1,051,911; Feb. 4; Gaz. vol. 187; p. 21.
- Bearings, Sheet-metal cage for roller-. C. S. Lockwood. No. 1,063,705; June 3; Gaz. vol. 191; p. 187.
- Bearings, Spring for spring-. C. Goebler. No. 1,065,603; June 24; Gaz. vol. 191; p. 932.
- Beater and mixer. H. P. Roberts. No. 1,068,450; July 29; Gaz. vol. 192; p. 1012.
- Beater and mixer. N. G. Jennings. No. 1,073,133; Sept. 16; Gaz. vol. 194; p. 572.
- Beater, Flexible. W. B. Albright. No. 1,071,017; Aug. 26; Gaz. vol. 193; p. 762.
- Beating and mixing device. H. W. Gibbs. No. 1,064,070; June 10; Gaz. vol. 191; p. 342.
- Beating and mixing machine. A. C. Westby. No. 1,074,397; Sept. 30; Gaz. vol. 194; p. 1056.
- Beating-engine. T. W. Chase. No. 1,060,585; May 6; Gaz. vol. 190; p. 7.
- Beating-engine. J. A. De Cew and R. J. Marx. No. 1,067,227; July 8; Gaz. vol. 192; p. 488.
- Bed. T. R. Treiber. No. 1,052,698; Feb. 11; Gaz. vol. 187; p. 324.
- Bed. G. A. Stackhouse. No. 1,053,888; Feb. 18; Gaz. vol. 187; p. 773.
- Bed. H. Fox. No. 1,055,392; Mar. 11; Gaz. vol. 188; p. 285.
- Bed. W. H. McCarry. No. 1,057,256; Mar. 25; Gaz. vol. 188; p. 984.
- Bed. E. R. Loweree. No. 1,058,076; Apr. 8; Gaz. vol. 189; p. 278.
- Bed. A. W. and S. W. Smith. No. 1,059,497; Apr. 22; Gaz. vol. 189; p. 843.

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- Bed. J. Diehl. No. 1,064,890; June 17; Gaz. vol. 191; p. 655.
- Bed. T. H. Sorlien. No. 1,065,740; June 24; Gaz. vol. 191; p. 978.
- Bed. A. Lee. No. 1,068,508; July 29; Gaz. vol. 192; p. 1032.
- Bed. T. H. Sorlien. No. 1,069,585; Aug. 5; Gaz. vol. 193; p. 170.
- Bed. N. Clement. No. 1,071,396; Aug. 26; Gaz. vol. 193; p. 890.
- Bed. C. E. Hay. No. 1,072,610; Sept. 9; Gaz. vol. 194; p. 350.
- Bed. J. A. Brown. No. 1,074,488; Sept. 30; Gaz. vol. 194; p. 1085.
- Bed. H. Fox. No. 1,074,854; Oct. 7; Gaz. vol. 195; p. 90.
- Bed. I. Kertesz. No. 1,075,291; Oct. 7; Gaz. vol. 195; p. 245.
- Bed. H. B. Arnold. No. 1,078,077; Nov. 11; Gaz. vol. 196; p. 318.
- Bed. J. E. Webster. No. 1,081,877; Dec. 16; Gaz. vol. 197; p. 736.
- Bed, Adjustable. M. S. Farnsworth. No. 1,057,719; Apr. 1; Gaz. vol. 189; p. 110.
- Bed and couch, Combination. G. A. Smithwick. No. 1,063,613; June 3; Gaz. vol. 191; p. 153.
- Bed and couch, Convertible. I. Mason and J. J. McIntyre. No. 1,057,352; Mar. 25; Gaz. vol. 188; p. 1014.
- Bed and crib screen. K. Schweda. No. 1,056,712; Mar. 18; Gaz. vol. 188; p. 766.
- Bed and divan, Convertible. B. B. Englander. No. 1,061,362; May 13; Gaz. vol. 190; p. 309.
- Bed and divan, Convertible. B. B. Englander. No. 1,061,956; May 13; Gaz. vol. 190; p. 509.
- Bed and latch, Apartment. L. E. Frye. No. 1,055,304; Mar. 4; Gaz. vol. 188; p. 216.
- Bed and lounging table. H. Braasch. No. 1,082,997; Dec. 30; Gaz. vol. 197; p. 1184.
- Bed and movement therefor, Folding and disappearing. A. E. Abbott. No. 1,081,186; Dec. 9; Gaz. vol. 197; p. 466.
- Bed and sofa, Combined. E. N. Brown. No. 1,076,094; Oct. 21; Gaz. vol. 195; p. 573.
- Bed and table, Combined. H. M. Keith. No. 1,051,237; Jan. 21; Gaz. vol. 186; p. 723.
- Bed and valise, Combined camp. E. C. Wren. No. 1,079,971; Dec. 2; Gaz. vol. 197; p. 17.
- Bed attachment. O. E. Brooks. No. 1,062,434; May 20; Gaz. vol. 190; p. 711.
- Bed attachment. A. P. Atkinson. No. 1,066,976; July 8; Gaz. vol. 192; p. 401.
- Bed attachment. K. D. Pierce. No. 1,067,060; July 8; Gaz. vol. 192; p. 429.
- Bed attachment. F. L. Oilar. No. 1,072,490; Sept. 9; Gaz. vol. 194; p. 308.
- Bed-bottom. L. H. Manson. No. 1,052,733; Feb. 11; Gaz. vol. 187; p. 333.
- Bed-bottom. H. O. Ersin. No. 1,053,959; Feb. 18; Gaz. vol. 187; p. 799.
- Bed-bottom. J. H. Pielert. No. 1,062,499; May 20; Gaz. vol. 190; p. 734.
- Bed-bottom fabric. R. Coopersmith. No. 1,052,890; Feb. 11; Gaz. vol. 187; p. 389.
- Bed-bottom fabric. G. A. Mellon. No. 1,081,620; Dec. 16; Gaz. vol. 197; p. 649.
- Bed-bottom, Wire-mattress. L. W. Stockwell. No. 1,070,928; Aug. 19; Gaz. vol. 193; p. 697.
- Bed-brace. W. I. Harp. No. 1,063,876; June 3; Gaz. vol. 191; p. 241.
- Bed, Cabinet. A. Giordano. No. 1,073,674; Sept. 23; Gaz. vol. 194; p. 784.
- Bed, Cabinet or wall. W. R. Nees. No. 1,079,658; Nov. 25; Gaz. vol. 196; p. 925.
- Bed-canopy. J. Conant. No. 1,078,128; Nov. 11; Gaz. vol. 196; p. 336.
- Bed-chair, Convertible. A. J. and M. Stein. No. 1,055,828; Mar. 11; Gaz. vol. 188; p. 431.
- Bed, Collapsible. L. Biró. No. 1,056,317; Mar. 18; Gaz. vol. 188; p. 629.
- Bed, Collapsible. F. A. Palmer. No. 1,076,224; Oct. 21; Gaz. vol. 195; p. 617.
- Bed, Collapsible couch. G. B. Nordgren. No. 1,069,804; Aug. 12; Gaz. vol. 193; p. 276.
- Bed construction. W. J. Grotenhuis. No. 1,060,079; Apr. 29; Gaz. vol. 189; p. 1077.
- Bed construction. C. Wright, Jr. No. 1,065,573; June 24; Gaz. vol. 191; p. 922.
- Bed, Convertible. H. M. Terry. No. 1,055,241; Mar. 4; Gaz. vol. 188; p. 195.
- Bed, Cooling. E. E. Slick. No. 1,076,166; Oct. 21; Gaz. vol. 195; p. 596.
- Bed-corner lock. H. O. Bair. No. 1,068,095; July 22; Gaz. vol. 192; p. 850.
- Bed-couch. N. Webster. No. 1,080,740; Dec. 9; Gaz. vol. 197; p. 317.
- Bed, couch-bed, &c., Sofa. D. F. Dyke. No. 1,081,589; Dec. 16; Gaz. vol. 197; p. 639.
- Bed-cover retainer. E. M. Syp. No. 1,049,942; Jan. 7; Gaz. vol. 186; p. 211.
- Bed-covering. A. E. Blofield and J. J. Link. No. 1,061,259; May 13; Gaz. vol. 190; p. 274.
- Bed, Curtain. F. L. Lathrop. No. 1,055,925; Mar. 11; Gaz. vol. 188; p. 462.
- Bed-davenport. A. C. Klopping. No. 1,081,272; Dec. 9; Gaz. vol. 197; p. 496.
- Bed davenport or couch. S. Goldstein. No. 1,078,044; Nov. 11; Gaz. vol. 196; p. 307.
- Bed, Disappearing. N. E. Welch. No. 1,065,287; June 17; Gaz. vol. 191; p. 786.
- Bed, Disappearing. W. L. Murphy. No. 1,068,806; July 29; Gaz. vol. 192; p. 1137.
- Bed, Disappearing. W. L. Murphy. No. 1,083,025; Dec. 30; Gaz. vol. 197; p. 1192.
- Bed, Disappearing wall. H. H. Hall. No. 1,060,753; May 6; Gaz. vol. 190; p. 65.
- Bed, Extension. M. L. Couch. No. 1,069,320; Aug. 5; Gaz. vol. 193; p. 80.
- Bed fabric. S. Rusnak. No. 1,078,880; Nov. 18; Gaz. vol. 196; p. 628.
- Bed, Folding. J. Welsh. No. 1,050,319; Jan. 14; Gaz. vol. 186; p. 374.
- Bed, Folding. J. Welsh. No. 1,057,191; Mar. 25; Gaz. vol. 188; p. 961.
- Bed, Folding. W. H. McCarry. No. 1,059,945; Apr. 22; Gaz. vol. 189; p. 988.
- Bed, Folding. S. Kohn. No. 1,064,229; June 10; Gaz. vol. 191; p. 398.
- Bed, Folding. M. M. Nelson. No. 1,068,523; July 29; Gaz. vol. 192; p. 1037.
- Bed, Folding. S. Lanes. No. 1,071,441; Aug. 26; Gaz. vol. 193; p. 904.
- Bed, Folding. R. F. Cornell. No. 1,078,613; Nov. 18; Gaz. vol. 196; p. 534.
- Bed, Folding. G. Fischrupp. No. 1,078,908; Nov. 18; Gaz. vol. 196; p. 637.
- Bed, Folding. G. Fischrupp. No. 1,078,909; Nov. 18; Gaz. vol. 196; p. 638.
- Bed, Folding. G. Fischrupp. No. 1,078,910; Nov. 18; Gaz. vol. 196; p. 638.
- Bed, Folding. H. A. Tracy. No. 1,080,867; Dec. 9; Gaz. vol. 197; p. 362.
- Bed, Folding and reversible. D. J. Spires. No. 1,054,467; Feb. 25; Gaz. vol. 187; p. 1010.
- Bed, Folding or disappearing wall. N. J. Snidow. No. 1,059,914; Apr. 22; Gaz. vol. 189; p. 977.
- Bed, Folding sofa. G. M. Kim. No. 1,080,459; Dec. 2; Gaz. vol. 197; p. 190.
- Bed, Folding wall. H. H. Hall. No. 1,058,580; Apr. 8; Gaz. vol. 189; p. 451.
- Bed-frame corner construction. E. Larson. No. 1,075,922; Oct. 14; Gaz. vol. 195; p. 486.
- Bed-frames, Leg-bracing means for. A. C. Klopping. No. 1,071,927; Sept. 2; Gaz. vol. 194; p. 89.
- Bed-frames or the like, Leg-locking means for foldable. A. C. Klopping. No. 1,081,271; Dec. 9; Gaz. vol. 197; p. 496.
- Bed-guard, Detachable. M. F. Smith. No. 1,062,127; May 20; Gaz. vol. 190; p. 609.
- Bed, Invalid. W. C. Feely. No. 1,061,168; May 6; Gaz. vol. 190; p. 206.
- Bed, Invalid. J. J. Buntemeyer. No. 1,070,010; Aug. 12; Gaz. vol. 193; p. 347.
- Bed, Invalid. J. A. Bartholme. No. 1,075,752; Oct. 14; Gaz. vol. 195; p. 428.
- Bed-lock, &c. H. H. Tibbs. No. 1,064,874; June 17; Gaz. vol. 191; p. 650.
- Bed, lounge-bed, &c., Sofa. D. F. Dyke. No. 1,081,590; Dec. 16; Gaz. vol. 197; p. 639.
- Bed, Metallic. I. Geller. No. 1,056,273; Mar. 18; Gaz. vol. 188; p. 616.
- Bed or couch fabric. W. J. Grotenhuis. No. 1,051,838; Jan. 28; Gaz. vol. 186; p. 958.
- Bed-pan. J. Griffin. No. 1,067,423; July 15; Gaz. vol. 192; p. 591.
- Bed-rail. R. R. Thomas. No. 1,070,079; Aug. 12; Gaz. vol. 193; p. 369.
- Bed-rail attachment. M. B. Okun. No. 1,076,838; Oct. 28; Gaz. vol. 195; p. 886.
- Bed-rail fastener. J. S. Hendricks. No. 1,079,409; Nov. 25; Gaz. vol. 196; p. 840.
- Bed-rail joint. E. J. Olsen. No. 1,077,995; Nov. 11; Gaz. vol. 196; p. 290.
- Bed raising or lowering mechanism. N. D. Bishop. No. 1,063,909; June 3; Gaz. vol. 191; p. 253.
- Bed-riser. F. E. Sloan. No. 1,061,695; May 13; Gaz. vol. 190; p. 426.
- Bed-riser. F. E. Sloan. No. 1,077,944; Nov. 4; Gaz. vol. 196; p. 242.
- Bed, Settee. C. J. Kindel. No. 1,065,373; June 24; Gaz. vol. 191; p. 853.
- Bed, Sofa. F. Bennett. No. 1,053,774; Feb. 18; Gaz. vol. 187; p. 737.
- Bed, Sofa. F. Bennett. No. 1,056,773; Mar. 25; Gaz. vol. 188; p. 817.
- Bed, Sofa. F. Bennett. No. 1,057,702; Apr. 1; Gaz. vol. 189; p. 104.

Alphabetical list of inventions—Continued.

- Bed, Sofa- F. Bennett. No. 1,067,236; July 15; Gaz. vol. 192; p. 526.
- Bed, Sofa- M. J. Bartlett. No. 1,074,342; Sept. 30; Gaz. vol. 194; p. 1037.
- Bed, Sofa or davenport. E. M. Hulse and J. G. Curtis. No. 1,057,242; Mar. 25; Gaz. vol. 188; p. 979.
- Bed, Sofa or davenport. W. A. Pease. No. 1,057,665; Apr. 1; Gaz. vol. 189; p. 92.
- Bed, Sofa or davenport. A. G. Sharp. No. 1,058,798; Apr. 15; Gaz. vol. 189; p. 563.
- Bed, Sofa or davenport. W. A. Pease. No. 1,061,777; May 13; Gaz. vol. 190; p. 451.
- Bed, Sofa or davenport. W. A. Pease. (Reissue.) No. 1,361,2; Sept. 2; Gaz. vol. 194; p. 254.
- Bed, Sofa or davenport. U. S. Henderson and A. F. Schramm. No. 1,074,050; Sept. 23; Gaz. vol. 194; p. 911.
- Bed, Sofa or davenport. A. G. Sharp. No. 1,076,843; Oct. 28; Gaz. vol. 195; p. 888.
- Bed, Spring- A. Scheible. No. 1,053,229; Feb. 18; Gaz. vol. 187; p. 549.
- Bed, Spring- A. Scheible. No. 1,054,453; Feb. 25; Gaz. vol. 187; p. 1004.
- Bed, Spring- F. S. Inco. No. 1,075,977; Oct. 14; Gaz. vol. 195; p. 505.
- Bed-spring. V. Hence. No. 1,055,277; Mar. 4; Gaz. vol. 188; p. 207.
- Bed-spring. W. H. Macy and B. E. Wilbur. No. 1,063,367; June 3; Gaz. vol. 191; p. 66.
- Bed, Spring- A. Scheible. No. 1,078,806; Nov. 18; Gaz. vol. 196; p. 604.
- Bed-spring. K. Richey. No. 1,078,516; Nov. 11; Gaz. vol. 196; p. 470.
- Bed-spring-adjusting device. G. Pietrzak. No. 1,060,492; Apr. 29; Gaz. vol. 189; p. 1221.
- Bed-spring fabric. C. B. Fraley. No. 1,059,135; Apr. 15; Gaz. vol. 189; p. 682.
- Bed-spring fabric. F. W. H. Weishaupt. No. 1,064,578; June 10; Gaz. vol. 191; p. 517.
- Bed-spring frame. J. Hancock. No. 1,083,011; Dec. 30; Gaz. vol. 197; p. 1188.
- Bed-spring-supporting frame. M. Sleeth. No. 1,070,298; Aug. 12; Gaz. vol. 193; p. 446.
- Bed-spring tightener. J. F. Pryor. No. 1,075,065; Oct. 7; Gaz. vol. 195; p. 165.
- Bed stop, Couch- N. E. May. No. 1,071,645; Aug. 26; Gaz. vol. 193; p. 972.
- Bed-support, Adjustable. W. J. Curtis. No. 1,059,842; Apr. 22; Gaz. vol. 189; p. 954.
- Bed-support for hospitals or sick-rooms. H. Weimer. No. 1,073,194; Sept. 16; Gaz. vol. 194; p. 593.
- Bed-table. L. I. Jackson. No. 1,051,597; Jan. 28; Gaz. vol. 186; p. 880.
- Bed-table. B. L. Maison. No. 1,064,507; June 10; Gaz. vol. 191; p. 493.
- Bed-table. S. Craig. No. 1,066,187; July 1; Gaz. vol. 192; p. 101.
- Bed, Table- C. R. Klok. No. 1,058,984; Apr. 15; Gaz. vol. 189; p. 630.
- Bed-tub. E. A. M. Gallagher. No. 1,078,617; Nov. 18; Gaz. vol. 196; p. 536.
- Bed, Wall- N. B. Douglass. No. 1,053,481; Feb. 18; Gaz. vol. 187; p. 637.
- Bed, Wall- W. S. Ball. No. 1,054,894; Mar. 4; Gaz. vol. 188; p. 83.
- Bed, Wall- N. B. Douglass. No. 1,056,647; Mar. 18; Gaz. vol. 188; p. 744.
- Bed, Wall- R. H. Anderson. No. 1,074,592; Sept. 30; Gaz. vol. 194; p. 1119.
- Bed-warmer. G. F. Shepard. No. 1,052,385; Feb. 4; Gaz. vol. 187; p. 184.
- Bed-warmer. J. F. Petit. No. 1,082,135; Dec. 23; Gaz. vol. 197; p. 851.
- Beds, Back-rest for. I. L. Edelin. No. 1,063,423; June 3; Gaz. vol. 191; p. 86.
- Beds, Bed-post for brass or iron. M. Sobel. No. 1,079,523; Nov. 25; Gaz. vol. 196; p. 878.
- Beds, Corner-block for iron and brass. F. V. Griesman. No. 1,075,645; Oct. 14; Gaz. vol. 195; p. 393.
- Beds, Corner-block for iron and brass. F. V. Griesman. No. 1,075,646; Oct. 14; Gaz. vol. 195; p. 393.
- Beds, Crib attachment for. A. A. Sosaya. No. 1,055,095; Mar. 4; Gaz. vol. 188; p. 151.
- Beds, Device for moving disappearing. C. O. Pelletier. No. 1,067,621; July 15; Gaz. vol. 192; p. 657.
- Beds, Lifter and conveyer for invalid- J. German. No. 1,051,728; Jan. 28; Gaz. vol. 186; p. 922.
- Beds, Mattress-holding means for. C. Wright, Jr. No. 1,071,125; Aug. 26; Gaz. vol. 193; p. 799.
- Beds, &c., Mounting for wall- S. W. and A. W. Smith. No. 1,062,261; May 20; Gaz. vol. 190; p. 655.
- Beds, Wardrobe attachment for. J. C. Phillips. No. 1,053,640; Feb. 18; Gaz. vol. 187; p. 691.
- Bedclothes-airing device. I. V. Perkins. No. 1,049,596; Jan. 7; Gaz. vol. 186; p. 96.
- Bedclothes-holder. J. T. Cowles. No. 1,051,560; Jan. 28; Gaz. vol. 186; p. 868.
- Bedclothes-holder. C. E. Cartwright. No. 1,082,929; Dec. 30; Gaz. vol. 197; p. 1161.
- Bedstead. H. B. Arnold. No. 1,060,057; Apr. 29; Gaz. vol. 189; p. 1070.
- Bedstead. J. A. Kemmler. No. 1,068,345; July 22; Gaz. vol. 192; p. 938.
- Bedstead. R. R. Kimball. No. 1,070,814; Aug. 19; Gaz. vol. 193; p. 662.
- Bedstead. H. J. Quincy. No. 1,075,158; Oct. 7; Gaz. vol. 195; p. 196.
- Bedstead. J. W. Vail. No. 1,081,639; Dec. 16; Gaz. vol. 197; p. 655.
- Bedstead-canopy. E. Aronson. No. 1,057,400; Apr. 1; Gaz. vol. 189; p. 3.
- Bedstead construction. A. and A. Governale. No. 1,060,180; Apr. 29; Gaz. vol. 189; p. 1111.
- Bedstead corner-bracket. H. V. and W. E. Lough. No. 1,082,754; Dec. 30; Gaz. vol. 197; p. 1100.
- Bedstead corner-fastening. L. Frank. No. 1,063,425; June 3; Gaz. vol. 191; p. 86.
- Bedstead corner-fastening. G. A. Mellon. No. 1,064,357; June 10; Gaz. vol. 191; p. 440.
- Bedstead-frame tubes and the like, Connecting device for. C. Vallone. No. 1,072,278; Sept. 2; Gaz. vol. 194; p. 205.
- Bedstead, Invalid- D. T. Plunket. No. 1,070,627; Aug. 19; Gaz. vol. 193; p. 600.
- Bedstead-joint. I. Davidson. No. 1,068,745; July 29; Gaz. vol. 192; p. 1114.
- Bedstead-knob. S. J. Fletcher. No. 1,081,105; Dec. 9; Gaz. vol. 197; p. 438.
- Bedstead, Metal. J. M. Adams. No. 1,052,200; Feb. 4; Gaz. vol. 187; p. 124.
- Bedstead, Metal. J. M. Adams. No. 1,052,784; Feb. 11; Gaz. vol. 187; p. 352.
- Bedstead, Metal. J. M. Adams. No. 1,054,632; Feb. 25; Gaz. vol. 187; p. 1065.
- Bedstead, Metal. H. Silver. No. 1,076,918; Oct. 28; Gaz. vol. 195; p. 915.
- Bedstead, Metal. M. Dunner. No. 1,076,964; Oct. 28; Gaz. vol. 195; p. 932.
- Bedstead, Metal. R. Mainker. No. 1,082,165; Dec. 23; Gaz. vol. 197; p. 860.
- Bedstead, Sheet-metal. E. J. Dund. No. 1,050,066; Jan. 7; Gaz. vol. 186; p. 254.
- Bedstead, Sofa- S. Shumsky. No. 1,049,772; Jan. 7; Gaz. vol. 186; p. 155.
- Bedstead, Sofa- R. Coopersmith. No. 1,061,986; May 20; Gaz. vol. 190; p. 561.
- Bedsteads and similar appliances, Auxiliary side rail for. M. Barr. No. 1,059,515; Apr. 22; Gaz. vol. 189; p. 849.
- Bee-feeder. C. W. Dayton. No. 1,052,324; Feb. 4; Gaz. vol. 187; p. 163.
- Beehive. C. G. Schamu. No. 1,064,779; June 17; Gaz. vol. 191; p. 620.
- Beehive. G. P. Wood. No. 1,068,196; July 22; Gaz. vol. 192; p. 885.
- Beehive. H. Anderson. No. 1,073,458; Sept. 16; Gaz. vol. 194; p. 687.
- Beehive. C. M. Osborne. No. 1,073,701; Sept. 23; Gaz. vol. 194; p. 794.
- Beehive. N. Matthews. No. 1,080,152; Dec. 2; Gaz. vol. 197; p. 82.
- Beehive-casing, Supplemental. B. T. Bosserman. No. 1,067,459; July 15; Gaz. vol. 192; p. 602.
- Beehive swarming attachment. D. Burton. No. 1,065,999; July 1; Gaz. vol. 192; p. 33.
- Beef-jack. A. B. Terril and M. Canning. No. 1,051,780; Jan. 28; Gaz. vol. 186; p. 938.
- Beer and other liquid dispensing device. H. Ramme. No. 1,064,377; June 10; Gaz. vol. 191; p. 447.
- Beer-cooler. F. A. Phillippi. No. 1,062,727; May 27; Gaz. vol. 190; p. 849.
- Beer-cooler. F. Turek. No. 1,077,015; Oct. 28; Gaz. vol. 195; p. 950.
- Beer-cooler. F. Turek. No. 1,077,016; Oct. 28; Gaz. vol. 195; p. 950.
- Beer-cooling apparatus. H. J. Sandell. No. 1,072,039; Sept. 2; Gaz. vol. 194; p. 126.
- Beer-package. R. E. Wenzel and W. M. Shouler. No. 1,052,704; Feb. 11; Gaz. vol. 187; p. 325.
- Beet-blocker and cotton-chopper. C. A. and C. L. Volz. No. 1,065,485; June 24; Gaz. vol. 191; p. 891.
- Beet-crowner. J. B. Dawson. No. 1,067,589; July 15; Gaz. vol. 192; p. 646.
- Beet-cutting machine. R. J. Binkley. No. 1,075,624; Oct. 14; Gaz. vol. 195; p. 384.
- Beet-rootlet catcher. E. J. Hopkins. No. 1,073,758; Sept. 23; Gaz. vol. 194; p. 814.
- Beet-roots, Treatment of. L. Dautrebande. No. 1,067,976; July 22; Gaz. vol. 192; p. 810.
- Beet-shredder. E. F. Rose and T. Beach. No. 1,069,580; Aug. 5; Gaz. vol. 193; p. 169.
- Beet-topper. C. W. Ford. No. 1,070,126; Aug. 12; Gaz. vol. 193; p. 386.
- Beet-topper. J. A. Weaver. No. 1,075,884; Oct. 14; Gaz. vol. 195; p. 472.
- Beet-topper. H. Harrison. No. 1,076,363; Oct. 21; Gaz. vol. 195; p. 666.
- Beet topper and loader. R. Grauer. No. 1,057,636; Apr. 1; Gaz. vol. 189; p. 81.
- Beet topper or crowner. J. B. Dawson. No. 1,068,986; July 29; Gaz. vol. 192; p. 1198.

Alphabetical list of inventions—Continued.

- Beet-topping machine. F. and J. E. Nickolai. No. 1,056,708; Mar. 18; Gaz. vol. 188; p. 764.
- Beet-topping machine. F. R. Stearns. No. 1,069,351; Aug. 5; Gaz. vol. 193; p. 92.
- Beet-topping machine. E. C. Winchester. No. 1,074,827; Oct. 7; Gaz. vol. 195; p. 81.
- Bell. E. P. Nichols. No. 1,050,379; Jan. 14; Gaz. vol. 186; p. 395.
- Bell. B. G. Shalet. No. 1,057,012; Mar. 25; Gaz. vol. 188; p. 899.
- Bell. J. L. Roycourt and L. Horinko. No. 1,076,606; Oct. 21; Gaz. vol. 195; p. 752.
- Bell and burglar-alarm, Combined door-. C. B. Pace. No. 1,057,766; Apr. 1; Gaz. vol. 189; p. 126.
- Bell, Bicycle. E. P. Nichols. No. 1,064,525; June 10; Gaz. vol. 191; p. 498.
- Bell, Cable-end. E. O. Sessions. No. 1,057,178; Mar. 25; Gaz. vol. 188; p. 957.
- Bell, Cable-end. E. O. Sessions. No. 1,069,819; Aug. 12; Gaz. vol. 193; p. 281.
- Bell, Cable-end. E. O. Sessions. No. 1,069,820; Aug. 12; Gaz. vol. 193; p. 282.
- Bell, Door-. M. Zimmerman. No. 1,079,822; Nov. 25; Gaz. vol. 196; p. 985.
- Bell, Electric. A. Lungen. No. 1,052,354; Feb. 4; Gaz. vol. 187; p. 173.
- Bell, Electric. W. E. Russell. No. 1,053,111; Feb. 11; Gaz. vol. 187; p. 466.
- Bell, Electric. C. M. Proctor. No. 1,060,628; May 6; Gaz. vol. 190; p. 22.
- Bell, Electric. A. Jacobsen. No. 1,079,649; Nov. 25; Gaz. vol. 196; p. 922.
- Bell, Locomotive-. E. M. Crawford. No. 1,078,335; Nov. 11; Gaz. vol. 196; p. 408.
- Bell mechanism, Electric-. G. B. Wurster. No. 1,054,379; Feb. 25; Gaz. vol. 187; p. 979.
- Bell, Musical. J. C. Deagan. No. 1,052,713; Feb. 11; Gaz. vol. 187; p. 328.
- Bell or alarm, Electric. A. Lungen. No. 1,066,929; July 8; Gaz. vol. 192; p. 386.
- Bell or ringer, Harmonic electric. C. J. Erickson. No. 1,061,733; May 13; Gaz. vol. 190; p. 439.
- Bell, Tubular. R. H. Mayland. No. 1,057,003; Mar. 25; Gaz. vol. 188; p. 896.
- Bellows-operating pedal. M. Clark. No. 1,081,948; Dec. 23; Gaz. vol. 197; p. 787.
- Belt and pad, Sanitary. A. Schulz. No. 1,067,761; July 15; Gaz. vol. 192; p. 704.
- Belt, Body-. G. B. Linney. No. 1,065,259; June 17; Gaz. vol. 191; p. 776.
- Belt-clamping device. B. V. Hedrick. No. 1,049,855; Jan. 7; Gaz. vol. 186; p. 183.
- Belt-connector. M. C. Lisle. No. 1,058,766; Apr. 15; Gaz. vol. 189; p. 552.
- Belt, Conveyer-. T. A. Bennett. No. 1,050,603; Jan. 14; Gaz. vol. 186; p. 474.
- Belt, Conveyer-. W. W. Batchelor. No. 1,079,157; Nov. 18; Gaz. vol. 196; p. 725.
- Belt conveyer. J. Dierdorff. No. 1,062,325; May 20; Gaz. vol. 190; p. 677.
- Belt-coupling. W. S. Wilkinson. No. 1,075,078; Oct. 7; Gaz. vol. 195; p. 169.
- Belt-coupling device. R. B. Codling. No. 1,076,868; Oct. 28; Gaz. vol. 195; p. 898.
- Belt coupling, Flexible-. H. I. Simmons. No. 1,065,736; June 24; Gaz. vol. 191; p. 976.
- Belt-dressing applier. J. M. Reed. No. 1,075,941; Oct. 14; Gaz. vol. 195; p. 492.
- Belt-drive. E. Boesner. No. 1,053,564; Feb. 18; Gaz. vol. 187; p. 666.
- Belt, Driving-. H. U. Smith. No. 1,053,748; Feb. 18; Gaz. vol. 187; p. 729.
- Belt, Driving-. A. and M. A. Hendry. No. 1,080,443; Dec. 2; Gaz. vol. 197; p. 185.
- Belt, Fabric. C. S. Smith. No. 1,071,594; Aug. 26; Gaz. vol. 193; p. 955.
- Belt-fastener. J. Mathews. No. 1,052,936; Feb. 11; Gaz. vol. 187; p. 406.
- Belt-fastener. C. E. Coe. No. 1,062,078; May 20; Gaz. vol. 190; p. 593.
- Belt-fastener. F. Hornby. No. 1,065,943; July 1; Gaz. vol. 192; p. 14.
- Belt-fastener. I. Jackson. No. 1,073,493; Sept. 16; Gaz. vol. 194; p. 698.
- Belt-fastener. I. Jackson. No. 1,073,494; Sept. 16; Gaz. vol. 194; p. 698.
- Belt-fastener. W. H. Elmer. No. 1,074,612; Oct. 7; Gaz. vol. 195; p. 8.
- Belt-fastener. W. F. Marresford. No. 1,078,053; Nov. 11; Gaz. vol. 196; p. 311.
- Belt-fastener. O. W. Dodge. No. 1,081,024; Dec. 9; Gaz. vol. 197; p. 413.
- Belt-fasteners, Carding-paper for. J. K. Diamond. No. 1,066,801; July 8; Gaz. vol. 192; p. 343.
- Belt-fasteners, Tool for clenching. J. K. Diamond. No. 1,060,746; May 6; Gaz. vol. 190; p. 63.
- Belt-guide. T. A. Hobbs. No. 1,068,242; July 22; Gaz. vol. 192; p. 902.
- Belt-guide. J. T. Smith. No. 1,079,031; Nov. 18; Gaz. vol. 196; p. 682.
- Belt guide and thrower. O. H. Oswald. No. 1,058,895; Apr. 15; Gaz. vol. 189; p. 599.
- Belt or buckle support. M. Plotke. No. 1,079,510; Nov. 25; Gaz. vol. 196; p. 874.
- Belt or supporter, Abdominal. A. B. Kendrick. No. 1,063,922; June 3; Gaz. vol. 191; p. 258.
- Belt, Power-transmission. L. Onderdonk. No. 1,050,382; Jan. 14; Gaz. vol. 186; p. 396.
- Belt-reel. J. Alexander. No. 1,070,762; Aug. 19; Gaz. vol. 193; p. 646.
- Belt-replacer. H. Opgenorth. No. 1,072,641; Sept. 9; Gaz. vol. 194; p. 360.
- Belt-retaining device. J. B. Fensterwald and J. Gelger. No. 1,069,774; Aug. 12; Gaz. vol. 193; p. 266.
- Belt, Safety-. G. C. Thompson. No. 1,063,083; May 27; Gaz. vol. 190; p. 968.
- Belt-sanding machine. A. Lindquist. No. 1,059,055; Apr. 15; Gaz. vol. 189; p. 654.
- Belt-shifter. H. A. Barr. No. 1,054,385; Feb. 25; Gaz. vol. 187; p. 981.
- Belt-shifter. G. K. Atkinson. No. 1,056,485; Mar. 18; Gaz. vol. 188; p. 687.
- Belt-shifter. G. C. Smith and O. A. Kraft. No. 1,070,073; Aug. 12; Gaz. vol. 193; p. 366.
- Belt-shifter. R. G. Henry and W. J. Bayer. No. 1,073,683; Sept. 23; Gaz. vol. 194; p. 787.
- Belt-shipper for speeder-cones. J. Jackson. No. 1,075,037; Oct. 7; Gaz. vol. 195; p. 155.
- Belt, Shirt-waist. I. C. Woodward. No. 1,079,624; Nov. 25; Gaz. vol. 196; p. 915.
- Belt-skiver. C. A. Sahm. No. 1,076,913; Oct. 28; Gaz. vol. 195; p. 914.
- Belt, Swimming and life-preserving. M. D. Nekarda. No. 1,066,217; July 1; Gaz. vol. 192; p. 112.
- Belt, Therapeutic. C. A. F. Krüger. No. 1,050,280; Jan. 14; Gaz. vol. 186; p. 360.
- Belt-tightener. J. W. Redding. No. 1,051,759; Jan. 28; Gaz. vol. 186; p. 931.
- Belt-tightener. L. A. Tirrill. No. 1,074,562; Sept. 30; Gaz. vol. 194; p. 1108.
- Belt-tightener. J. C. Todd. No. 1,075,072; Oct. 7; Gaz. vol. 195; p. 167.
- Belt-tightener. W. E. Farrell. No. 1,077,339; Nov. 4; Gaz. vol. 196; p. 34.
- Belt-tightener. J. P. German. No. 1,081,286; Dec. 9; Gaz. vol. 197; p. 501.
- Belt, Trousers-. D. Basch. No. 1,082,486; Dec. 30; Gaz. vol. 197; p. 1004.
- Belt, Vanner concentrating-. R. De Large. No. 1,082,309; Dec. 23; Gaz. vol. 197; p. 914.
- Belts, Implement for punching and cutting. W. W. Woodley. No. 1,062,753; May 27; Gaz. vol. 190; p. 858.
- Bench: See Draw-bench; Greenhouse-bench; Player and piano bench; Skelp-charging bench; Work-bench.
- Bench and seesaw, Combined. D. J. Rogers. No. 1,066,846; July 8; Gaz. vol. 192; p. 357.
- Bench and wringer-support, Combined. A. Weyenberg. No. 1,075,526; Oct. 14; Gaz. vol. 195; p. 351.
- Bench-clamp. H. R. Mitchell and I. L. Sloan. No. 1,056,818; Mar. 25; Gaz. vol. 188; p. 831.
- Bench-drill. G. O. Leopold. No. 1,073,500; Sept. 16; Gaz. vol. 194; p. 700.
- Bench-stop. L. B. Allen. No. 1,070,938; Aug. 19; Gaz. vol. 193; p. 702.
- Benches for greenhouses, Apparatus for forming. J. Wil-son. No. 1,065,417; June 24; Gaz. vol. 191; p. 869.
- Bending and welding machine. W. C. Winfield and A. C. Taylor. No. 1,071,490; Aug. 26; Gaz. vol. 193; p. 920.
- Bending apparatus. A. Klarwasser. No. 1,060,461; Apr. 29; Gaz. vol. 189; p. 1210.
- Bending-machine. F. T. Root and G. A. Ensign. No. 1,050,695; Jan. 14; Gaz. vol. 186; p. 501.
- Bending-machine. H. A. Miner. No. 1,054,132; Feb. 25; Gaz. vol. 187; p. 894.
- Bending-machine. W. H. Coffman. No. 1,054,675; Mar. 4; Gaz. vol. 188; p. 8.
- Bending-machine. J. Grady. No. 1,061,067; May 6; Gaz. vol. 190; p. 176.
- Bending-machine. E. Rhodes. No. 1,062,033; May 20; Gaz. vol. 190; p. 577.
- Bending-machine. C. N. Replogle. No. 1,068,078; July 22; Gaz. vol. 192; p. 845.
- Bending-machine. R. A. Carter. No. 1,071,700; Sept. 2; Gaz. vol. 194; p. 10.
- Benzoquinone derivatives and making same. R. Maag and P. Jörg. No. 1,065,063; June 17; Gaz. vol. 191; p. 712.
- Berry-box, Collapsible. J. F. White. No. 1,069,834; Aug. 12; Gaz. vol. 193; p. 286.
- Berth. V. A. Treadwell. No. 1,073,002; Sept. 9; Gaz. vol. 194; p. 491.
- Beta-acetyltrimethylenetetramethyldiamin. G. Merling and H. Köhler. No. 1,071,007; Aug. 19; Gaz. vol. 193; p. 724.
- Beta-gamma-dimethylerythrene, Producing. F. Hofmann, K. Delbrück, and K. Meisenburg. No. 1,069,422; Aug. 5; Gaz. vol. 193; p. 117.

Alphabetical list of inventions—Continued.

- Beta-gamma-dimethylerythrene, Producing. F. Hofmann, K. Delbrück, and K. Meisenburg. No. 1,069,423; Aug. 5; Gaz. vol. 193; p. 117.
- Beta-gamma-dimethylerythrene, Producing. F. Hofmann, K. Delbrück, and K. Meisenburg. No. 1,076,575; Oct. 21; Gaz. vol. 195; p. 741.
- Beta-methyl-gamma-oxybutyldimethylamin, Producing. G. Merling and H. Köhler. No. 1,074,967; Oct. 7; Gaz. vol. 195; p. 128.
- Bevel and square, Combined. W. Moore. No. 1,074,969; Oct. 7; Gaz. vol. 195; p. 129.
- Beverage extract. W. H. Post. No. 1,051,445; Jan. 28; Gaz. vol. 186; p. 828.
- Beverage extract. W. H. Post. No. 1,061,495; May 13; Gaz. vol. 190; p. 354.
- Beverage extract. W. H. Post. No. 1,064,767; June 17; Gaz. vol. 191; p. 617.
- Beverage extract. W. H. Post. No. 1,064,768; June 17; Gaz. vol. 191; p. 617.
- Beverage extract. W. H. Post. No. 1,067,938; July 22; Gaz. vol. 192; p. 797.
- Beverage-mixing apparatus. B. E. Shattuck. No. 1,067,845; July 22; Gaz. vol. 192; p. 766.
- Beverage-producing material. M. W. Montgomery. No. 1,056,111; Mar. 18; Gaz. vol. 188; p. 561.
- Beverages, Apparatus for the automatic manufacture and direct supply of aerated. M. Stübler. No. 1,055,952; Mar. 11; Gaz. vol. 188; p. 471.
- Beverages, Dealcobolizing. C. Jung. No. 1,071,238; Aug. 26; Gaz. vol. 193; p. 837.
- Bib-pattern. C. M. Howard. No. 1,056,903; Mar. 25; Gaz. vol. 188; p. 862.
- Bicycle. W. Robinson. No. 1,067,230; July 8; Gaz. vol. 192; p. 489.
- Bicycle and motor-cycle attachment. Z. Alesani. No. 1,077,210; Oct. 28; Gaz. vol. 195; p. 1011.
- Bicycle extension-frame. J. S. R. Baxter. No. 1,070,319; Aug. 12; Gaz. vol. 193; p. 453.
- Bicycle extension-frame. J. S. R. Baxter. No. 1,070,320; Aug. 12; Gaz. vol. 193; p. 453.
- Bicycle-frame. W. E. Newton. No. 1,056,573; Mar. 18; Gaz. vol. 188; p. 720.
- Bicycle frame, Motor-. E. Y. White. No. 1,075,886; Oct. 14; Gaz. vol. 195; p. 472.
- Bicycle-lock. H. E. Foucher. No. 1,057,537; Apr. 1; Gaz. vol. 189; p. 48.
- Bicycle-lock. G. A. Yaeck. No. 1,082,616; Dec. 30; Gaz. vol. 197; p. 1051.
- Bicycle or motor-cycle saddle. M. A. Ross. No. 1,068,703; July 29; Gaz. vol. 192; p. 1099.
- Bicycle, Package-delivery. I. Steinberg. No. 1,050,311; Jan. 14; Gaz. vol. 186; p. 370.
- Bicycle prop and lock. J. L. Webb. No. 1,055,581; Mar. 11; Gaz. vol. 188; p. 347.
- Bicycle-propelled chair. E. E. Hosmer. No. 1,059,466; Apr. 22; Gaz. vol. 189; p. 832.
- Bicycle propelling mechanism. W. Meschkat. No. 1,073,696; Sept. 23; Gaz. vol. 194; p. 792.
- Bicycle-stand. H. T. Adams. No. 1,061,513; May 13; Gaz. vol. 190; p. 361.
- Bicycle, Water-. D. H. Mosteller. No. 1,072,027; Sept. 2; Gaz. vol. 194; p. 123.
- Bicycle wheel suspension. A. H. Stewart. No. 1,077,105; Oct. 28; Gaz. vol. 195; p. 978.
- Bicycles and the like, Propelling mechanism for. H. J. Sherrill. No. 1,079,444; Nov. 25; Gaz. vol. 196; p. 850.
- Bicycles and the like, Spring-fork for. W. Gattermann. No. 1,065,936; July 1; Gaz. vol. 192; p. 10.
- Bicycles, Means for carrying mail-sacks on. H. D. McIver. No. 1,053,051; Feb. 11; Gaz. vol. 187; p. 444.
- Bicycles, &c., Pedal for. O. Overton. No. 1,050,383; Jan. 14; Gaz. vol. 186; p. 396.
- Bilge-water discharger. E. Langley. No. 1,072,398; Sept. 2; Gaz. vol. 194; p. 247.
- Bill-clip. A. F. Staples. No. 1,066,335; July 1; Gaz. vol. 192; p. 153.
- Bill-fold. J. A. Hellwig. No. 1,073,120; Sept. 16; Gaz. vol. 194; p. 567.
- Bill of fare. D. A. Toppi. No. 1,068,609; July 29; Gaz. vol. 192; p. 1067.
- Billing sheet and device. E. Z. Lewis. No. 1,050,474; Jan. 14; Gaz. vol. 186; p. 429.
- Billiard and pool tables, Cushion-strip for. J. J. Medvec. No. 1,074,279; Sept. 30; Gaz. vol. 194; p. 1016.
- Billiard appliance. W. G. Stewart. No. 1,051,523; Jan. 28; Gaz. vol. 186; p. 855.
- Billiard chalk-holder. L. Peloquin. No. 1,066,142; July 1; Gaz. vol. 192; p. 84.
- Billiard-cue. R. F. Burwell. No. 1,062,816; May 27; Gaz. vol. 190; p. 880.
- Billiard-cue marker. F. Sherman. No. 1,051,458; Jan. 28; Gaz. vol. 186; p. 831.
- Billiard-cue tip. W. D. Smail. No. 1,050,860; Jan. 21; Gaz. vol. 186; p. 594.
- Billiard-cue tip. G. Ankenmann. No. 1,077,664; Nov. 4; Gaz. vol. 196; p. 146.
- Billiard-cue tip and holder, Detachable. L. Weinberg and M. Maren. No. 1,082,782; Dec. 30; Gaz. vol. 197; p. 1111.
- Billiard-table. J. E. Jaufroid. No. 1,058,062; Apr. 8; Gaz. vol. 189; p. 272.
- Billiards, bagatelle, and the like, Cue for. H. A. Crabb. No. 1,054,830; Mar. 4; Gaz. vol. 188; p. 62.
- Bin; See Coal-bin; Computing-bin; Dispensing-bin; Grain-bin; Rolling bin; Self-measuring bin.
- Bin. P. B. Schell. No. 1,076,456; Oct. 21; Gaz. vol. 195; p. 698.
- Bins, hoppers, &c., Conveying apparatus for charging. H. N. Leask. No. 1,055,926; Mar. 11; Gaz. vol. 188; p. 462.
- Binder. H. J. Wallace. No. 1,052,630; Feb. 11; Gaz. vol. 187; p. 301.
- Binder. C. E. Swift. No. 1,078,470; Nov. 11; Gaz. vol. 196; p. 455.
- Binder, Adjustable. P. W. Dargin. No. 1,082,848; Dec. 30; Gaz. vol. 197; p. 1132.
- Binder and fastener. A. G. Remhilt. No. 1,056,452; Mar. 18; Gaz. vol. 188; p. 676.
- Binder, Flexible-tape loose-leaf. E. J. Sonnenburg. No. 1,051,287; Jan. 21; Gaz. vol. 186; p. 740.
- Binder for core-making. D. J. Ogilvy. (Reissue.) No. 1,355,9; Apr. 29; Gaz. vol. 189; p. 1250.
- Binder for loose sheets, Spring-. R. Krumming. No. 1,058,871; Apr. 15; Gaz. vol. 189; p. 590.
- Binder for tablets. D. A. Middleton. No. 1,071,562; Aug. 26; Gaz. vol. 193; p. 944.
- Binder-frame. L. P. Dixon and G. E. Post. No. 1,081,297; Dec. 16; Gaz. vol. 197; p. 542.
- Binder, Leaf-. L. Kingsley. No. 1,074,271; Sept. 30; Gaz. vol. 194; p. 1013.
- Binder-lock. W. G. Jones. No. 1,070,691; Aug. 19; Gaz. vol. 193; p. 621.
- Binder, Loose-leaf. R. M. Watson. No. 1,049,785; Jan. 7; Gaz. vol. 186; p. 159.
- Binder, Loose-leaf. M. S. Ersler. No. 1,050,440; Jan. 14; Gaz. vol. 186; p. 417.
- Binder, Loose-leaf. R. C. David. No. 1,051,089; Jan. 21; Gaz. vol. 186; p. 675.
- Binder, Loose-leaf. E. Thompson. No. 1,051,527; Jan. 28; Gaz. vol. 186; p. 856.
- Binder, Loose-leaf. W. P. Bickley. No. 1,051,541; Jan. 28; Gaz. vol. 186; p. 860.
- Binder, Loose-leaf. C. J. Robley. No. 1,052,179; Feb. 4; Gaz. vol. 187; p. 117.
- Binder, Loose-leaf. J. C. Dawson. No. 1,053,161; Feb. 18; Gaz. vol. 187; p. 526.
- Binder, Loose-leaf. J. C. Dawson. No. 1,053,579; Feb. 18; Gaz. vol. 187; p. 671.
- Binder, Loose-leaf. H. G. Buchan. No. 1,053,970; Feb. 25; Gaz. vol. 187; p. 840.
- Binder, Loose-leaf. H. C. Miller. No. 1,056,926; Mar. 25; Gaz. vol. 188; p. 870.
- Binder, Loose-leaf. R. M. Watson. No. 1,057,103; Mar. 25; Gaz. vol. 188; p. 932.
- Binder, Loose-leaf. W. A. Overbeck. No. 1,059,199; Apr. 15; Gaz. vol. 189; p. 704.
- Binder, Loose-leaf. F. Bodenhofer. No. 1,061,897; May 13; Gaz. vol. 190; p. 488.
- Binder, Loose-leaf. F. E. Sexauer. No. 1,063,836; June 3; Gaz. vol. 191; p. 229.
- Binder, Loose-leaf. W. E. and H. J. Gaylord. No. 1,067,019; July 8; Gaz. vol. 192; p. 415.
- Binder, Loose-leaf. R. C. Dunbar. No. 1,068,115; July 22; Gaz. vol. 192; p. 856.
- Binder, Loose-leaf. H. Hellweg. No. 1,068,127; July 22; Gaz. vol. 192; p. 861.
- Binder, Loose-leaf. F. H. Crump. No. 1,070,780; Aug. 19; Gaz. vol. 193; p. 652.
- Binder, Loose-leaf. C. J. Heidel. No. 1,071,415; Aug. 26; Gaz. vol. 193; p. 896.
- Binder, Loose-leaf. C. L. Baldauf. No. 1,071,500; Aug. 26; Gaz. vol. 193; p. 923.
- Binder, Loose-leaf. H. C. Miller. No. 1,072,633; Sept. 9; Gaz. vol. 194; p. 357.
- Binder, Loose-leaf. H. C. Crozier. No. 1,072,919; Sept. 9; Gaz. vol. 194; p. 461.
- Binder, Loose-leaf. C. L. Benjamin and H. J. Wiegand. No. 1,075,623; Oct. 14; Gaz. vol. 195; p. 384.
- Binder, Loose-leaf. R. M. Watson. No. 1,075,740; Oct. 14; Gaz. vol. 195; p. 424.
- Binder, Loose-leaf. A. J. McAllister. No. 1,075,840; Oct. 14; Gaz. vol. 195; p. 458.
- Binder, Loose-leaf. W. P. Pitt. No. 1,077,639; Nov. 4; Gaz. vol. 196; p. 137.
- Binder, Loose-leaf. J. C. Dawson. No. 1,077,681; Nov. 4; Gaz. vol. 196; p. 152.
- Binder, Loose-leaf. J. C. Dawson. No. 1,077,682; Nov. 4; Gaz. vol. 196; p. 152.
- Binder, Loose-leaf. J. Burgess. No. 1,079,039; Nov. 18; Gaz. vol. 196; p. 684.
- Binder, Loose-leaf. W. P. Pitt. No. 1,079,580; Nov. 25; Gaz. vol. 196; p. 899.
- Binder, Loose-leaf. J. G. Magin. No. 1,083,021; Dec. 30; Gaz. vol. 197; p. 1191.
- Binder, Loose-leaf. J. G. Magin. No. 1,083,113; Dec. 30; Gaz. vol. 197; p. 1220.
- Binder, Magazine-. G. A. Roedde. No. 1,051,453; Jan. 28; Gaz. vol. 186; p. 830.

Alphabetical list of inventions—Continued.

- Binder, Metal. W. F. Norman. No. 1,052,617; Feb. 11; Gaz. vol. 187; p. 297.
 Binder, Metallic truss block-. J. Horsfield. No. 1,051,332; Jan. 21; Gaz. vol. 186; p. 756.
 Binder, Temporary. J. E. Gilmer. No. 1,050,642; Jan. 14; Gaz. vol. 186; p. 485.
 Binder, Temporary. L. E. Shipman. No. 1,054,945; Mar. 4; Gaz. vol. 188; p. 98.
 Binder, Temporary. C. O. Michel. No. 1,057,004; Mar. 25; Gaz. vol. 188; p. 897.
 Binder, Temporary. J. D. Hughes. No. 1,060,599; May 6; Gaz. vol. 190; p. 12.
 Binder, Temporary. L. R. Coppage. No. 1,063,243; June 3; Gaz. vol. 191; p. 26.
 Binder, Temporary. E. J. Sonnenburg. No. 1,075,167; Oct. 7; Gaz. vol. 195; p. 199.
 Binder, Temporary. J. S. Jensen. No. 1,078,354; Nov. 11; Gaz. vol. 196; p. 416.
 Binder, Temporary. C. Dom. No. 1,079,640; Nov. 25; Gaz. vol. 196; p. 919.
 Binder, Temporary. C. Dorn. No. 1,082,852; Dec. 30; Gaz. vol. 197; p. 1134.
 Binder trips, Independent release attachment for self-. W. A. Hill. No. 1,051,227; Jan. 21; Gaz. vol. 186; p. 720.
 Binders, Holder for adhesive. L. Kingsley. No. 1,072,859; Sept. 9; Gaz. vol. 194; p. 438.
 Binders, Post for loose-leaf. H. C. Miller. No. 1,072,867; Sept. 9; Gaz. vol. 194; p. 441.
 Binders, Setting-up device for document-. W. R. Woodward and F. E. Crompton. No. 1,078,979; Nov. 18; Gaz. vol. 196; p. 662.
 Binding. W. Hollmann and P. Sellhast. No. 1,065,048; June 17; Gaz. vol. 191; p. 706.
 Binding. C. E. Clark. No. 1,068,855; July 29; Gaz. vol. 192; p. 1155.
 Binding agents and other substances with granular material. Mixing. E. Sprenger. No. 1,057,590; Apr. 1; Gaz. vol. 189; p. 66.
 Binding apparatus. J. B. Allen and H. D. Morton. No. 1,071,630; Aug. 26; Gaz. vol. 193; p. 967.
 Binding cover for pamphlets and papers. Self-. J. S. Trumper. No. 1,052,532; Feb. 11; Gaz. vol. 187; p. 267.
 Binding cover for unbound matter. Self-. F. J. Trumper. No. 1,052,531; Feb. 11; Gaz. vol. 187; p. 267.
 Binding-machine. J. M. Dewey. No. 1,069,323; Aug. 5; Gaz. vol. 193; p. 81.
 Binding-post. F. E. Bocorselski and C. K. Lassiter. No. 1,061,809; May 13; Gaz. vol. 190; p. 460.
 Bird-cage. T. B. Oliver. No. 1,070,063; Aug. 12; Gaz. vol. 193; p. 364.
 Bird-scaring device. A. Pass. No. 1,066,045; July 1; Gaz. vol. 192; p. 50.
 Biscuit or food product. J. A. Levin. No. 1,054,695; Mar. 4; Gaz. vol. 188; p. 14.
 Biscuits, Machine for making cellular. S. H. Perky. No. 1,071,459; Aug. 26; Gaz. vol. 193; p. 910.
 Bit- See Boring-bit; Bridle-bit; Cutter-bit; Drill-bit; Drilling-bit; Driving-bit; Expandible bit; Expansion-bit; Horse-bit; Mining-machine bit; Well-drilling bit.
 Bit-holder. J. W. Johnson. No. 1,060,845; May 6; Gaz. vol. 190; p. 97.
 Bit-stock. A. P. and J. C. Wells. No. 1,059,242; Apr. 15; Gaz. vol. 189; p. 718.
 Bit-stock. H. Harris. No. 1,065,360; June 24; Gaz. vol. 191; p. 848.
 Bits, Countersink attachment for. J. Whyte. No. 1,072,543; Sept. 9; Gaz. vol. 194; p. 327.
 Bitumen or bitulithic materials. Treating. F. O. Kaempf. No. 1,077,081; Oct. 28; Gaz. vol. 195; p. 971.
 Bivalve-catcher. R. M. Coleman. No. 1,052,652; Feb. 11; Gaz. vol. 187; p. 308.
 Blackboard dust-trough. D. Moore. No. 1,060,352; Apr. 29; Gaz. vol. 189; p. 1173.
 Blackboard illusion device. G. F. De Grasse. No. 1,076,649; Oct. 21; Gaz. vol. 195; p. 769.
 Blacking-box case. A. Ward. No. 1,074,914; Oct. 7; Gaz. vol. 195; p. 111.
 Blacking machine, Heel-. G. L. Rollins. No. 1,056,454; Mar. 18; Gaz. vol. 188; p. 677.
 Blacking machine, Heel-. J. B. Fontaine. No. 1,074,707; Oct. 7; Gaz. vol. 195; p. 42.
 Blacking set. G. W. Kelly. No. 1,062,339; May 20; Gaz. vol. 190; p. 681.
 Blacking stand, Shoe-. F. E. Huxley. No. 1,070,962; Aug. 19; Gaz. vol. 193; p. 709.
 Blacksmith's tool. A. J. Fulghum. No. 1,073,802; Sept. 23; Gaz. vol. 194; p. 827.
 Blade. J. H. Kelly and J. H. Mershon. No. 1,067,347; July 15; Gaz. vol. 192; p. 566.
 Blade-holding device. L. A. Carpenter and R. Middleton. No. 1,058,351; Apr. 8; Gaz. vol. 189; p. 374.
 Blade-holding device. J. G. Rote. No. 1,064,545; June 10; Gaz. vol. 191; p. 506.
 Blade-keying device. G. E. Wadleigh. No. 1,049,949; Jan. 7; Gaz. vol. 186; p. 213.
 Blade-mounting. G. Westinghouse. No. 1,050,187; Jan. 14; Gaz. vol. 186; p. 328.
 Blade-mounting. W. B. Flanders. No. 1,057,139; Mar. 25; Gaz. vol. 188; p. 944.
 Blade-mounting. H. T. Herr. No. 1,072,457; Sept. 9; Gaz. vol. 194; p. 297.
 Blade-securing means. F. Hodgkinson. No. 1,073,987; Sept. 23; Gaz. vol. 194; p. 891.
 Blades. G. Westinghouse. No. 1,061,648; May 13; Gaz. vol. 190; p. 409.
 Blading. J. E. Snyder. No. 1,061,640; May 13; Gaz. vol. 190; p. 406.
 Blading. J. E. Snyder. No. 1,075,607; Oct. 14; Gaz. vol. 195; p. 379.
 Blank-feeding device. P. L. Robertson. No. 1,052,092; Feb. 4; Gaz. vol. 187; p. 85.
 Blank-feeding mechanism. G. W. Swift, Jr. No. 1,065,086; June 17; Gaz. vol. 191; p. 720.
 Blanking and forming machines, Feeding mechanism for. E. D. Anderson. No. 1,053,694; Feb. 18; Gaz. vol. 187; p. 710.
 Blanket, Offset-. G. R. Cornwall. No. 1,074,775; Oct. 7; Gaz. vol. 195; p. 65.
 Blast-furnace, Air-cooled. R. H. Stevens. No. 1,074,097; Sept. 23; Gaz. vol. 194; p. 927.
 Blast furnace, Hot-. C. E. Norman. No. 1,079,432; Nov. 25; Gaz. vol. 196; p. 847.
 Blasting. T. Johnson. No. 1,078,442; Nov. 11; Gaz. vol. 196; p. 447.
 Blasting apparatus. A. Kowastch. No. 1,049,735; Jan. 7; Gaz. vol. 186; p. 142.
 Blasting-cap and carrier therefor. J. R. Powell. No. 1,081,772; Dec. 16; Gaz. vol. 197; p. 700.
 Blasting-tube. G. H. Crosby and C. H. Jones. No. 1,065,664; June 24; Gaz. vol. 191; p. 953.
 Bleaching. W. Mathesius and M. Freiburger. No. 1,061,392; May 13; Gaz. vol. 190; p. 318.
 Bleaching and for preparing bleaching, deodorizing, and disinfecting solutions, Apparatus for. O. Sumner. No. 1,075,873; Oct. 14; Gaz. vol. 195; p. 469.
 Bleaching articles. A. J. Rossi. No. 1,080,718; Dec. 9; Gaz. vol. 197; p. 308.
 Bleaching vegetable fiber and fabrics. R. Grüter. No. 1,063,678; June 3; Gaz. vol. 191; p. 178.
 Bleaching wood. A. Franck-Philipson. No. 1,068,580; July 29; Gaz. vol. 192; p. 1056.
 Blind-adjusting device, Window-. J. A. Hedberg and F. O. Svensson. No. 1,055,038; Mar. 4; Gaz. vol. 188; p. 131.
 Blind, roller-blind, and the like. J. A. Hedberg. No. 1,073,418; Sept. 16; Gaz. vol. 194; p. 673.
 Blind, Rolling. E. Cahill. No. 1,081,485; Dec. 16; Gaz. vol. 197; p. 606.
 Blind-slat-retaining device. G. E. Donnell. No. 1,050,010; Jan. 7; Gaz. vol. 186; p. 233.
 Blind, Window-. H. Krueger. No. 1,063,042; May 27; Gaz. vol. 190; p. 954.
 Blinds and doors, Device for locking and unlocking window-. J. C. Peppers. No. 1,054,608; Feb. 25; Gaz. vol. 187; p. 1056.
 Blinds, Device for operating window-shutter. F. McCulloch and W. E. Dorchester. No. 1,061,096; May 6; Gaz. vol. 190; p. 183.
 Blinds or screens, Construction of. E. H. Hobling. No. 1,083,096; Dec. 30; Gaz. vol. 197; p. 1216.
 Blinds, Stop and runner for rolling. E. Cahill. No. 1,081,486; Dec. 16; Gaz. vol. 197; p. 607.
 Blinds, Ventilating-frieze for. J. Dougan. No. 1,065,510; June 24; Gaz. vol. 191; p. 900.
 Blinker-stay. J. F. Faust. No. 1,073,225; Sept. 16; Gaz. vol. 194; p. 605.
 Block- See Building-block; Cutting-block; Davit tackle-block; Dental swaging-block; Die-block; File follow-block; Forming-block; Fuse-block; Hat-block; Interlocking block; Lettering-block; Logging or butt chain lead-block; Lubricating-block; Paving-block; Pulley-block; Railway-rail anchor-block; Sawmill head-block; Sheave-block; Snatch-block; Tackle-block; Toy-castle building-block; Toy construction-block; Trick-block; Vehicle stop-block; Wall-block; Work-holding block.
 Block. V. M. Threlkeld. No. 1,055,954; Mar. 11; Gaz. vol. 188; p. 472.
 Block-binder, Sliding metallic. J. Horsfield. No. 1,069,065; July 29; Gaz. vol. 192; p. 1225.
 Block-delivering mechanism. D. C. McCan. No. 1,064,236; June 10; Gaz. vol. 191; p. 400.
 Block-hook. W. M. Harris, Jr. No. 1,071,048; Aug. 26; Gaz. vol. 193; p. 773.
 Block-machine, Centrifugal. N. P. Annis. No. 1,073,584; Sept. 23; Gaz. vol. 194; p. 751.
 Block-making apparatus, Plastic-. C. W. Gill. No. 1,077,523; Nov. 4; Gaz. vol. 196; p. 100.
 Block-making machine. R. L. Rickman. No. 1,056,059; Mar. 18; Gaz. vol. 188; p. 542.
 Block, Non-toppling. A. E. J. Luckhurst. No. 1,080,640; Dec. 9; Gaz. vol. 197; p. 281.
 Block-signal and train-control system. J. Blackburn. No. 1,049,558; Jan. 7; Gaz. vol. 186; p. 83.
 Block-signal system. E. R. Cunningham. No. 1,053,362; Feb. 18; Gaz. vol. 187; p. 596.
 Block-signal system. W. B. Potter. No. 1,063,591; June 3; Gaz. vol. 191; p. 144.
 Block-signaling system, Electrical. A. J. Allard. No. 1,060,407; Apr. 29; Gaz. vol. 189; p. 1193.
 Block-signaling system, Electrical. A. J. Allard. No. 1,060,408; Apr. 29; Gaz. vol. 189; p. 1194.

Alphabetical list of inventions—Continued.

- Block system, Automatic. W. H. Watson. No. 1,068,614; July 29; Gaz. vol. 192; p. 1069.
- Blocks or the like suitable for road or other purposes, Formation of. J. S. Kruse. No. 1,082,752; Dec. 30; Gaz. vol. 197; p. 1099.
- Blood-serums, &c., Removal of inert substances from. J. T. A. Sames. No. 1,057,673; Apr. 1; Gaz. vol. 189; p. 95.
- Blotter and pencil-holder and ruler, Combination. J. E. Mason. No. 1,054,128; Feb. 25; Gaz. vol. 187; p. 893.
- Blotter, Hand-attached. H. Marul. No. 1,081,053; Dec. 9; Gaz. vol. 197; p. 423.
- Blotter-holder. J. L. Hayes. No. 1,050,737; Jan. 14; Gaz. vol. 186; p. 515.
- Blotter-holder and ruler, Combined. H. E. Hawkins. No. 1,059,154; Apr. 15; Gaz. vol. 189; p. 688.
- Blouse, Boy's. A. P. Lubell. No. 1,054,300; Feb. 25; Gaz. vol. 187; p. 950.
- Blouse-retainer and skirt-supporter. S. E. Rutter. No. 1,059,911; Apr. 22; Gaz. vol. 189; p. 976.
- Blouse-shield, Child's. S. and C. Bernstein. No. 1,059,819; Apr. 22; Gaz. vol. 189; p. 948.
- Blow-out holder. F. Fourn. No. 1,075,347; Oct. 14; Gaz. vol. 195; p. 288.
- Blow-out patch. C. E. Brown. No. 1,081,012; Dec. 9; Gaz. vol. 197; p. 410.
- Blower. E. C. Wiley. No. 1,050,892; Jan. 21; Gaz. vol. 186; p. 606.
- Blower. N. E. Funk. No. 1,062,149; May 20; Gaz. vol. 190; p. 617.
- Blower. C. V. Kerr. No. 1,080,763; Dec. 9; Gaz. vol. 197; p. 326.
- Blower and stack, Locomotive. R. M. Bowman. No. 1,075,140; Oct. 7; Gaz. vol. 195; p. 190.
- Blower, Boiler-tube. R. B. Price. No. 1,057,980; Apr. 1; Gaz. vol. 189; p. 199.
- Blower, Fan-. E. McLean. No. 1,056,813; Mar. 25; Gaz. vol. 188; p. 830.
- Blower, Fan-. G. W. Christoph. No. 1,074,606; Oct. 7; Gaz. vol. 195; p. 6.
- Blower, Fluid-jet. T. Gruenwald. No. 1,050,126; Jan. 14; Gaz. vol. 186; p. 308.
- Blower for boilers. J. Magee. No. 1,053,842; Feb. 18; Gaz. vol. 187; p. 759.
- Blower for boilers. J. Magee. No. 1,057,161; Mar. 25; Gaz. vol. 188; p. 951.
- Blower for boilers. J. Magee. No. 1,059,479; Apr. 22; Gaz. vol. 189; p. 837.
- Blower for boilers. T. S. Waller. No. 1,060,800; May 6; Gaz. vol. 190; p. 80.
- Blower for water-tube boilers. J. Magee. No. 1,068,438; July 29; Gaz. vol. 192; p. 1008.
- Blower or pump, Rotary. L. N. Perkins. No. 1,082,903; Dec. 30; Gaz. vol. 197; p. 1152.
- Blower, Powder-. M. L. Woodward. No. 1,057,696; Apr. 1; Gaz. vol. 189; p. 102.
- Blower, Rotary. N. W. MacIntosh. No. 1,056,288; Mar. 18; Gaz. vol. 188; p. 620.
- Blower, Rotary. A. Jendrusik. No. 1,059,163; Apr. 15; Gaz. vol. 189; p. 691.
- Blower, Rotary. G. L. Reichhelm. No. 1,076,391; Oct. 21; Gaz. vol. 195; p. 675.
- Blower, Steam-. P. F. Reinhardt. No. 1,056,581; Mar. 18; Gaz. vol. 188; p. 722.
- Blower, Turbine-. A. L. Wolfson and A. N. Hammerston. No. 1,050,505; Jan. 14; Gaz. vol. 186; p. 440.
- Blower, Water-tube. J. Magee. No. 1,060,923; May 6; Gaz. vol. 190; p. 124.
- Blower-wheel, Centrifugal. C. H. Smoot. No. 1,052,291; Feb. 4; Gaz. vol. 187; p. 153.
- Blowpipe. L. L. Bower. No. 1,053,968; Feb. 25; Gaz. vol. 187; p. 839.
- Blowpipe. A. G. Le Chatelier. No. 1,067,929; July 22; Gaz. vol. 192; p. 794.
- Blowpipe and using gases therein. M. K. Dunham. No. 1,075,818; Oct. 14; Gaz. vol. 195; p. 450.
- Blowpipe apparatus. W. C. Bucknam. No. 1,051,547; Jan. 28; Gaz. vol. 186; p. 862.
- Blowpipe apparatus. W. C. Bucknam. No. 1,059,329; Apr. 15; Gaz. vol. 189; p. 748.
- Blowpipe apparatus. W. C. Bucknam. No. 1,078,412; Nov. 11; Gaz. vol. 196; p. 436.
- Blowpipe apparatus, Rotary. W. C. Bucknam. No. 1,049,807; Jan. 7; Gaz. vol. 186; p. 166.
- Blowpipe for welding and cutting metals. H. G. Allen. No. 1,060,409; Apr. 29; Gaz. vol. 189; p. 1194.
- Blue-print machine. C. F. Pease. No. 1,054,140; Feb. 25; Gaz. vol. 187; p. 897.
- Board: See Bosom-board; Bread-board; Bulletin-board; Car running-board; Compo-board; Composite board; Cooling-board; Creel-board; Cutting-board; Display-board; Drafting-board; Drawing-board; Electric-service board; Game-board; Hosiery-finishing board; Ironing-board; Lap-board; Metering panel-board; Moldboard; Musical demonstrating-board; Panel-board; Paper-board; Piano fall-board; Piano sounding-board; Plaster-board; Pulp-board; Score-board; Shoveling-board; Sleeve-board; Sounding-board; Thread-board; Tracker-board; Vehicle extension side-board; Washboard; Web-cutting board; Wood-chopper's foot-board.
- Board, Machine for manufacturing double-faced corrugated. T. E. Raffel. No. 1,050,292; Jan. 14; Gaz. vol. 186; p. 364.
- Boards, Machine for manufacturing plates of. A. A. Westman. No. 1,057,471; Apr. 1; Gaz. vol. 189; p. 25.
- Boat. G. P. Buttsov. No. 1,061,355; May 13; Gaz. vol. 190; p. 306.
- Boat. H. P. Dinesen. No. 1,070,878; Aug. 19; Gaz. vol. 193; p. 682.
- Boat. H. F. Hopkins. No. 1,071,422; Aug. 26; Gaz. vol. 193; p. 898.
- Boat. S. Tagliamonte. No. 1,072,270; Sept. 2; Gaz. vol. 194; p. 203.
- Boat. H. B. Prosser. No. 1,075,726; Oct. 14; Gaz. vol. 195; p. 418.
- Boat. A. Currie. No. 1,081,489; Dec. 16; Gaz. vol. 197; p. 608.
- Boat, Aeromotor-. S. S. and F. S. Jerwan. No. 1,049,865; Jan. 7; Gaz. vol. 186; p. 186.
- Boat and marine safe, Combined life-. A. Haas. No. 1,064,472; June 10; Gaz. vol. 191; p. 481.
- Boat attachment, Life-. C. H. Langill. No. 1,081,679; Dec. 16; Gaz. vol. 197; p. 667.
- Boat-canopy support. R. Kay. No. 1,067,660; July 15; Gaz. vol. 192; p. 671.
- Boat-chock. W. S. Rogers. No. 1,068,276; July 22; Gaz. vol. 192; p. 914.
- Boat, Collapsible. F. De Nick and J. F. M. Baldi. No. 1,055,887; Mar. 11; Gaz. vol. 188; p. 450.
- Boat, Collapsible. F. Kankkonen. No. 1,067,659; July 15; Gaz. vol. 192; p. 671.
- Boat, Collapsible. A. J. Kolanko. No. 1,076,291; Oct. 21; Gaz. vol. 195; p. 640.
- Boat, Collapsible life-. S. Nyboe. No. 1,062,181; May 20; Gaz. vol. 190; p. 628.
- Boat construction, Metallic. A. P. Lundin and E. L. M. Sivard. No. 1,050,480; Jan. 14; Gaz. vol. 186; p. 431.
- Boat construction, Submersible-. L. Y. Spear and H. E. Grieshaber. No. 1,072,393; Sept. 2; Gaz. vol. 194; p. 246.
- Boat-equilibrator. F. Olechnowicz. No. 1,082,133; Dec. 23; Gaz. vol. 197; p. 851.
- Boat, Folding safety-. P. Vescovi. No. 1,082,833; Dec. 30; Gaz. vol. 197; p. 1128.
- Boat for submarine vessels, Life-. G. Hilgers. No. 1,081,740; Dec. 16; Gaz. vol. 197; p. 687.
- Boat-handling apparatus. C. E. Stewart. No. 1,068,183; July 22; Gaz. vol. 192; p. 880.
- Boat hoisting and launching machinery, Life-. B. F. Sargeant. No. 1,067,276; July 15; Gaz. vol. 192; p. 541.
- Boat hoisting and lowering apparatus. A. J. Lewkowicz. No. 1,053,047; Feb. 11; Gaz. vol. 187; p. 443.
- Boat hoisting and lowering device, Life-. C. R. Lelhy. No. 1,060,103; Apr. 29; Gaz. vol. 189; p. 1084.
- Boat-house. T. B. Butters. No. 1,054,505; Feb. 25; Gaz. vol. 187; p. 1023.
- Boat-hull. J. Campbell. No. 1,055,874; Mar. 11; Gaz. vol. 188; p. 446.
- Boat, Hydroplane-. I. Chase. No. 1,050,517; Jan. 14; Gaz. vol. 186; p. 444.
- Boat, Ice-. W. M. Stanbrough. No. 1,082,831; Dec. 30; Gaz. vol. 197; p. 1127.
- Boat launching and lashing devices, Shackle for. J. T. Kinney. No. 1,068,905; July 29; Gaz. vol. 192; p. 1172.
- Boat-launching apparatus, Ship's-. L. L'Heureux. No. 1,070,033; Aug. 12; Gaz. vol. 193; p. 354.
- Boat-launching mechanism. K. Baetzner. No. 1,052,644; Feb. 11; Gaz. vol. 187; p. 306.
- Boat, Life-. T. Tesdal. No. 1,051,781; Jan. 28; Gaz. vol. 186; p. 938.
- Boat, Life-. E. Durand. No. 1,051,833; Jan. 28; Gaz. vol. 186; p. 956.
- Boat, Life-. E. J. J. Leblond. No. 1,054,851; Mar. 4; Gaz. vol. 188; p. 69.
- Boat, Life-. V. Lindberg. No. 1,058,609; Apr. 8; Gaz. vol. 189; p. 460.
- Boat, Life-. G. E. Lane. No. 1,063,045; May 27; Gaz. vol. 190; p. 955.
- Boat, Life-. F. W. Martin. No. 1,067,262; July 15; Gaz. vol. 192; p. 535.
- Boat, Life-. B. F. Sargeant. No. 1,067,277; July 15; Gaz. vol. 192; p. 541.
- Boat, Life-. C. W. Wallis. No. 1,071,835; Sept. 2; Gaz. vol. 194; p. 58.
- Boat, Life-. W. J. Tekippe. No. 1,078,471; Nov. 11; Gaz. vol. 196; p. 455.
- Boat, Life-. A. B. Andreassen. No. 1,080,876; Dec. 9; Gaz. vol. 197; p. 365.
- Boat, Life-saving. A. S. Kobling. No. 1,068,906; July 29; Gaz. vol. 192; p. 1172.
- Boat-lowering apparatus for navigable vessels. C. D. and R. Doxford. No. 1,088,065; Dec. 30; Gaz. vol. 197; p. 1205.
- Boat, Motor-. E. S. Bretney. No. 1,049,661; Jan. 7; Gaz. vol. 186; p. 118.
- Boat or drag, Stone. A. M. Hussey. No. 1,055,328; Mar. 11; Gaz. vol. 188; p. 262.
- Boat-plug. W. J. Adams. No. 1,079,627; Nov. 25; Gaz. vol. 196; p. 915.

Alphabetical list of inventions—Continued.

- Boat release, Life-. J. N. Cox. No. 1,057,039; Mar. 25; Gaz. vol. 188; p. 910.
- Boat-releasing device. J. Y. Porter, Jr. No. 1,058,627; Apr. 8; Gaz. vol. 189; p. 466.
- Boat-seat, Sliding. A. Gerardin and C. Sauvé. No. 1,058,865; Apr. 15; Gaz. vol. 189; p. 584.
- Boat securing and releasing device, Life-. A. P. Lundin. No. 1,071,765; Sept. 2; Gaz. vol. 194; p. 33.
- Boat, Self-righting and self-bailing. E. L. M. Sivard. No. 1,050,045; Jan. 7; Gaz. vol. 186; p. 247.
- Boat, Ship's. P. A. Stofel. No. 1,079,729; Nov. 25; Gaz. vol. 196; p. 951.
- Boat, Submarine or submersible. C. Laurenti. No. 1,059,475; Apr. 22; Gaz. vol. 189; p. 836.
- Boat, Submarine or submersible torpedo-. E. L. Peacock. No. 1,067,371; July 15; Gaz. vol. 192; p. 572.
- Boat system, Rapid-service life-. M. D. Compton. No. 1,062,637; May 27; Gaz. vol. 190; p. 821.
- Boat-top, Folding. C. P. McClellan. No. 1,052,076; Feb. 4; Gaz. vol. 187; p. 80.
- Boats, Construction and conning equipment for submersible. L. Y. Spear and H. E. Grieshaber. No. 1,072,392; Sept. 2; Gaz. vol. 194; p. 245.
- Boats, Device for stopping leaks in. H. Flügeltaub. No. 1,060,177; Apr. 29; Gaz. vol. 189; p. 1110.
- Boats, Driving-gearing for motor-. J. J. Stover. No. 1,056,468; Mar. 18; Gaz. vol. 188; p. 682.
- Boats, Lantern-holder for. H. J. Hjorth. No. 1,060,186; Apr. 29; Gaz. vol. 189; p. 1113.
- Boats, Stowing and lowering. H. S. Lindsay. No. 1,052,351; Feb. 4; Gaz. vol. 187; p. 172.
- Boats, Stowing, lowering, and raising ships'. W. J. Greenfield. No. 1,059,148; Apr. 15; Gaz. vol. 189; p. 686.
- Boats, System for handling life-. N. Martinolich. No. 1,070,621; Aug. 19; Gaz. vol. 193; p. 598.
- Boats, Track for motor-. E. Durand. No. 1,079,901; Nov. 25; Gaz. vol. 196; p. 1012.
- Boats, Water-tight hatch for. W. H. Hayes. No. 1,072,611; Sept. 9; Gaz. vol. 194; p. 350.
- Bobbin. G. Hambleton. No. 1,061,239; May 6; Gaz. vol. 190; p. 232.
- Bobbin. G. H. Benjamin. No. 1,063,174; May 27; Gaz. vol. 190; p. 998.
- Bobbin and spindle connector. C. Nordell. No. 1,070,982; Aug. 19; Gaz. vol. 193; p. 715.
- Bobbin-cleaner. W. Lonzo. No. 1,067,614; July 15; Gaz. vol. 192; p. 655.
- Bobbin-clearer. C. E. Tower. No. 1,070,751; Aug. 19; Gaz. vol. 193; p. 643.
- Bobbin-handling apparatus. B. A. Peterson. No. 1,063,588; June 3; Gaz. vol. 191; p. 142.
- Bobbin-magazine for doffers. B. A. Peterson. No. 1,078,553; Nov. 11; Gaz. vol. 196; p. 482.
- Bobbin-magazines, Apparatus for facilitating the loading of. B. A. Peterson. No. 1,062,250; May 20; Gaz. vol. 190; p. 652.
- Bobbin-retainer for bobbin-winders. A. Carp. No. 1,055,604; Mar. 11; Gaz. vol. 188; p. 354.
- Bobbin-stripper. R. Walworth. No. 1,080,942; Dec. 9; Gaz. vol. 197; p. 388.
- Bobbin-stripper. G. W. Ramsey. No. 1,081,914; Dec. 16; Gaz. vol. 197; p. 747.
- Bobbin-stripping machine. R. Walworth. No. 1,080,794; Dec. 9; Gaz. vol. 197; p. 337.
- Bobbin-turning machine. N. H. Shaw. No. 1,054,042; Feb. 25; Gaz. vol. 187; p. 864.
- Bobbin-winder. A. Belz. No. 1,073,388; Sept. 16; Gaz. vol. 194; p. 663.
- Bobbins, Apparatus for sorting and conditioning. F. Spence. No. 1,072,782; Sept. 9; Gaz. vol. 194; p. 409.
- Bodkin. A. C. Gault. No. 1,081,604; Dec. 16; Gaz. vol. 197; p. 645.
- Body-brace, Self-locking. L. A. Fritsch. No. 1,075,348; Oct. 14; Gaz. vol. 195; p. 288.
- Body-brace with suspender attachment. T. B. Hardiman. No. 1,064,903; June 17; Gaz. vol. 191; p. 659.
- Body-elevating mechanism. T. Wright. No. 1,059,511; Apr. 22; Gaz. vol. 189; p. 848.
- Body-rest. G. Wood. No. 1,060,655; May 6; Gaz. vol. 190; p. 31.
- Body, Side-delivery dump-. T. Wright. No. 1,059,512; Apr. 22; Gaz. vol. 189; p. 848.
- Body-supporter. M. M. Franklin. No. 1,049,692; Jan. 7; Gaz. vol. 186; p. 128.
- Boiler. See Domestic boiler; Egg-boiler; Electrically-heated boiler; Flash-boiler; Hot-water and steam boiler; Hot-water or steam boiler; Locomotive-boiler; Locomotive supplemental boiler; Marine boiler; Sectional boiler; Steam-boiler; Superheater-boiler; Washboiler; Washing-boiler; Washing or cooking boiler; Water-tube boiler.
- Boiler. M. J. Erk. No. 1,050,632; Jan. 14; Gaz. vol. 186; p. 482.
- Boiler. A. P. Link. No. 1,055,284; Mar. 4; Gaz. vol. 188; p. 209.
- Boiler. F. Elizondo. No. 1,058,665; Apr. 8; Gaz. vol. 189; p. 479.
- Boiler. S. A. Griffiths. No. 1,061,174; May 6; Gaz. vol. 190; p. 209.
- Boiler. P. Rohan. No. 1,069,184; Aug. 5; Gaz. vol. 193; p. 33.
- Boiler. G. J. Schanz. No. 1,069,583; Aug. 5; Gaz. vol. 193; p. 170.
- Boiler. D. Wigert. No. 1,071,286; Aug. 26; Gaz. vol. 193; p. 852.
- Boiler. F. Goff. No. 1,076,881; Oct. 28; Gaz. vol. 195; p. 902.
- Boiler. A. M. Urista. No. 1,078,177; Nov. 11; Gaz. vol. 196; p. 353.
- Boiler. T. T. Parker. No. 1,078,212; Nov. 11; Gaz. vol. 196; p. 365.
- Boiler. R. D. Reed. No. 1,080,232; Dec. 2; Gaz. vol. 197; p. 109.
- Boiler. R. G. Fritz. No. 1,083,205; Dec. 30; Gaz. vol. 197; p. 1247.
- Boiler and economizer. P. W. Britts. No. 1,061,444; May 13; Gaz. vol. 190; p. 336.
- Boiler-bracket, Steel-plate. T. Mowins. No. 1,049,900; Jan. 7; Gaz. vol. 186; p. 197.
- Boiler-cleaner, Soot. L. J. Bayer. No. 1,066,244; July 1; Gaz. vol. 192; p. 122.
- Boiler connection. D. Wigert. No. 1,071,287; Aug. 26; Gaz. vol. 193; p. 853.
- Boiler exposed directly to the fire, Means for protecting the seams of a. J. J. Gage. No. 1,059,962; Apr. 22; Gaz. vol. 189; p. 994.
- Boiler feed-purifier. S. Bessonoff. No. 1,081,935; Dec. 16; Gaz. vol. 197; p. 754.
- Boiler feed-regulator. C. M. Clark. No. 1,075,963; Oct. 14; Gaz. vol. 195; p. 499.
- Boiler-feed regulator, Automatic. W. F. Krichbaum. No. 1,075,043; Oct. 7; Gaz. vol. 195; p. 156.
- Boiler-feeder and water-level-maintaining apparatus. T. G. Rakestraw. No. 1,062,115; May 20; Gaz. vol. 190; p. 605.
- Boiler-feeding device, Steam-. A. Nelson. No. 1,055,485; Mar. 11; Gaz. vol. 188; p. 316.
- Boiler fire-box. J. M. McClellan. No. 1,072,865; Sept. 9; Gaz. vol. 194; p. 440.
- Boiler-flue. A. Gunkle. No. 1,082,119; Dec. 23; Gaz. vol. 197; p. 846.
- Boiler-flue cleaner. W. J. Bradley. No. 1,073,659; Sept. 23; Gaz. vol. 194; p. 778.
- Boiler-flue cleaner. J. T. Lemon. No. 1,079,499; Nov. 25; Gaz. vol. 196; p. 871.
- Boiler-flue cleaner, Steam-. C. W. Hamilton. No. 1,076,362; Oct. 21; Gaz. vol. 195; p. 666.
- Boiler-flues, Heat-diffuser for. L. A. Smallwood. No. 1,082,829; Dec. 30; Gaz. vol. 197; p. 1126.
- Boiler fuel and water regulator. A. Doble. No. 1,067,101; July 8; Gaz. vol. 192; p. 442.
- Boiler-furnace. G. de Grahl. No. 1,050,940; Jan. 21; Gaz. vol. 186; p. 624.
- Boiler-furnace. J. C. Heinrich. No. 1,061,379; May 13; Gaz. vol. 190; p. 314.
- Boiler-furnace. J. E. Wolvin. No. 1,063,489; June 3; Gaz. vol. 191; p. 107.
- Boiler-furnace. T. R. Butman. No. 1,063,653; June 3; Gaz. vol. 191; p. 168.
- Boiler-furnace. M. W. Sewall. No. 1,064,175; June 10; Gaz. vol. 191; p. 378.
- Boiler-furnace. G. de Grahl. No. 1,073,039; Sept. 9; Gaz. vol. 194; p. 502.
- Boiler-furnace. A. Normand. No. 1,078,803; Nov. 18; Gaz. vol. 196; p. 603.
- Boiler-furnace and feed-water heater. J. R. Surrall. No. 1,067,494; July 15; Gaz. vol. 192; p. 615.
- Boiler furnace, Steam-. E. Buckley. No. 1,051,546; Jan. 28; Gaz. vol. 186; p. 862.
- Boiler furnace, Steam-. H. A. Poppenhusen and J. Harrington. No. 1,064,857; June 17; Gaz. vol. 191; p. 645.
- Boiler furnace, Steam-. J. McMillan. No. 1,065,702; June 24; Gaz. vol. 191; p. 965.
- Boiler furnace, Steam-. O. D. Orvis. No. 1,071,787; Sept. 2; Gaz. vol. 194; p. 42.
- Boiler furnace, Steam-. J. Reagan. No. 1,080,368; Dec. 2; Gaz. vol. 197; p. 159.
- Boiler plant, Steam-. D. S. Jacobus. No. 1,068,058; July 22; Gaz. vol. 192; p. 838.
- Boiler-pressure regulator. I. A. Backlund. No. 1,068,295; July 22; Gaz. vol. 192; p. 920.
- Boiler purposes, Treating water for steam-. W. C. Stuckel. No. 1,058,113; Apr. 8; Gaz. vol. 189; p. 291.
- Boiler repair-screw. L. A. Cornelius. No. 1,066,253; July 1; Gaz. vol. 192; p. 125.
- Boiler-scale, Apparatus for preventing the formation of. T. Brázda, E. Richter, and A. Schückher. No. 1,059,430; Apr. 22; Gaz. vol. 189; p. 820.
- Boiler-scale, Preventing the formation of. T. Brázda, E. Richter, and A. Schückher. No. 1,059,431; Apr. 22; Gaz. vol. 189; p. 821.
- Boiler sediment-separator. A. A. Olson. No. 1,067,838; July 22; Gaz. vol. 192; p. 764.
- Boiler-stand. T. O'Connell. No. 1,075,990; Oct. 14; Gaz. vol. 195; p. 509.
- Boiler stand, Range-. C. L. Holden. No. 1,067,655; July 15; Gaz. vol. 192; p. 669.
- Boiler stay-bolt. J. Boero. No. 1,050,097; Jan. 14; Gaz. vol. 186; p. 299.

Alphabetical list of inventions—Continued.

- Boiler stay-bolt. S. J. Walker. No. 1,070,755; Aug. 19; Gaz. vol. 193; p. 644.
- Boiler-tube attachment. W. E. Thompson. No. 1,077,441; Nov. 4; Gaz. vol. 196; p. 71.
- Boiler-tube cleaner. W. L. Miggett. No. 1,052,164; Feb. 4; Gaz. vol. 187; p. 111.
- Boiler-tube cleaner. J. Zilliox. No. 1,058,932; Apr. 15; Gaz. vol. 189; p. 611.
- Boiler-tube cleaner. F. P. Wilson. No. 1,062,941; May 27; Gaz. vol. 190; p. 922.
- Boiler-tube cleaner. R. O. Hodge. No. 1,065,527; June 24; Gaz. vol. 191; p. 905.
- Boiler-tube cleaner. C. M. Hall. No. 1,069,128; Aug. 5; Gaz. vol. 193; p. 13.
- Boiler-tube cleaner. J. F. Bailey. No. 1,081,651; Dec. 16; Gaz. vol. 197; p. 659.
- Boiler-tube-jointing apparatus. S. A. Dugan. No. 1,078,615; Nov. 18; Gaz. vol. 196; p. 535.
- Boiler-tube scale-scraper. J. B. Nirascou. No. 1,058,091; Apr. 8; Gaz. vol. 189; p. 282.
- Boiler-tube scraper. G. F. Nyberg. No. 1,056,050; Mar. 18; Gaz. vol. 188; p. 539.
- Boiler-tubes, Hardening copper. P. D. Johnson. No. 1,078,583; Nov. 11; Gaz. vol. 196; p. 492.
- Boiler-tubes or hollow shafting, Plug for. H. T. Mason. No. 1,068,793; July 29; Gaz. vol. 192; p. 1132.
- Boiler washing-out and refilling system, Locomotive. A. T. Vick. No. 1,065,644; June 24; Gaz. vol. 191; p. 945.
- Boiler water-gage, Automatic safety. S. Munson. No. 1,067,188; July 8; Gaz. vol. 192; p. 473.
- Boiler water-gage, Steam. M. F. Scallely. No. 1,063,604; June 3; Gaz. vol. 191; p. 149.
- Boiler-water-level-indicating device. M. G. Quigley. No. 1,073,518; Sept. 16; Gaz. vol. 194; p. 706.
- Boilers, Automatic mud-drum for. A. F. Shreve. No. 1,075,162; Oct. 7; Gaz. vol. 195; p. 197.
- Boilers, Baffle system for Stirling. D. S. Jacobus. No. 1,070,478; Aug. 19; Gaz. vol. 193; p. 549.
- Boilers, Column for steam. H. H. Cross and W. F. Wrathford. No. 1,074,493; Sept. 30; Gaz. vol. 194; p. 1086.
- Boilers, Fire-box door for steam. A. G. Elvin. No. 1,066,005; July 1; Gaz. vol. 192; p. 35.
- Boilers, Fire-box stay-bolt for locomotive and other. E. I. Dodds. No. 1,077,975; Nov. 11; Gaz. vol. 196; p. 283.
- Boilers, Gasket-seat cleaner for water-tube. W. A. Pinkerton. No. 1,069,286; Aug. 5; Gaz. vol. 193; p. 69.
- Boilers, Manufacturing headers for water-tube. C. P. Higgins. No. 1,064,217; June 10; Gaz. vol. 191; p. 394.
- Boilers or furnaces by hydrocarbon, Firing. K. M. Dahl. No. 1,055,715; Mar. 11; Gaz. vol. 188; p. 392.
- Boilers, System for utilizing waste heat from furnaces for heating. J. W. and H. Hegeler. No. 1,050,134; Jan. 14; Gaz. vol. 186; p. 310.
- Boilers, System of feeding treated water to. J. H. Cooper. No. 1,050,616; Jan. 14; Gaz. vol. 186; p. 477.
- Boilers, Tool for spreading the tubes of water-tube. J. Keers. No. 1,082,809; Dec. 30; Gaz. vol. 197; p. 1119.
- Boilers, Washout-plug for steam. M. A. Gilmore and W. E. Woodard. No. 1,071,906; Sept. 2; Gaz. vol. 194; p. 82.
- Boilers, Water storing and heating apparatus for. D. L. Winters. No. 1,079,623; Nov. 25; Gaz. vol. 196; p. 914.
- Boll-weevils, Machine for catching and gathering. J. E. Hagler. No. 1,067,651; July 15; Gaz. vol. 192; p. 668.
- Bolster. J. M. Rohlfing. No. 1,052,754; Feb. 11; Gaz. vol. 187; p. 341.
- Bolster. J. M. Rohlfing. No. 1,066,534; July 8; Gaz. vol. 192; p. 249.
- Bolster. V. M. Summa. No. 1,066,549; July 8; Gaz. vol. 192; p. 254.
- Bolster. O. S. Pulliam. No. 1,073,628; Sept. 23; Gaz. vol. 194; p. 766.
- Bolster, Collapsible bed. F. W. Rahn. No. 1,082,171; Dec. 23; Gaz. vol. 197; p. 863.
- Bolster, Double body. C. F. Frede. No. 1,049,693; Jan. 7; Gaz. vol. 186; p. 128.
- Bolster, Folding. J. C. Fairfield. No. 1,076,651; Oct. 21; Gaz. vol. 195; p. 769.
- Bolster-roll, Collapsible. H. and F. Rumpf. No. 1,071,799; Sept. 2; Gaz. vol. 194; p. 46.
- Bolster-stake holder. C. Faust. No. 1,059,723; Apr. 22; Gaz. vol. 189; p. 917.
- Bolster-stake holder. C. Faust. No. 1,077,692; Nov. 4; Gaz. vol. 196; p. 155.
- Bolster-stake holder. C. Faust. No. 1,077,693; Nov. 4; Gaz. vol. 196; p. 156.
- Bolster-stake holder. C. Faust. No. 1,082,073; Dec. 23; Gaz. vol. 197; p. 831.
- Bolster-stake holder. C. Faust. No. 1,082,074; Dec. 23; Gaz. vol. 197; p. 832.
- Bolsters, Constructing. A. L. Hastings. No. 1,077,709; Nov. 4; Gaz. vol. 196; p. 160.
- Bolt. See Anchor-bolt; Boiler stay-bolt; Clamp-bolt; Door-bolt; Dowel-bolt; Engine-bolt; Expansion-bolt; Headless bolt; Lock-bolt; Panic-bolt; Seal-bolt; Self-locking bolt; Sliding bolt; Spring-bolt; Stay-bolt.
- Bolt. L. Holler. No. 1,055,174; Mar. 4; Gaz. vol. 188; p. 174.
- Bolt. P. M. Kling. No. 1,055,330; Mar. 11; Gaz. vol. 188; p. 263.
- Bolt. F. D. Ogden. No. 1,065,266; June 17; Gaz. vol. 191; p. 778.
- Bolt. P. M. Kling. No. 1,075,919; Oct. 14; Gaz. vol. 195; p. 485.
- Bolt. P. M. Kling. No. 1,075,980; Oct. 14; Gaz. vol. 195; p. 506.
- Bolt. J. S. Wait, Jr., and A. Halliday. No. 1,082,376; Dec. 23; Gaz. vol. 197; p. 937.
- Bolt-anchor. H. W. Pleister. No. 1,051,444; Jan. 28; Gaz. vol. 186; p. 827.
- Bolt-anchor. H. B. Newhall, Jr., and H. W. Pleister. No. 1,057,975; Apr. 1; Gaz. vol. 189; p. 198.
- Bolt-anchor. C. Joseph. No. 1,066,500; July 8; Gaz. vol. 192; p. 237.
- Bolt-anchor. S. W. Brainard. No. 1,068,479; July 29; Gaz. vol. 192; p. 1022.
- Bolt anchor, Expansion. H. Rosenberg. No. 1,066,227; July 1; Gaz. vol. 192; p. 116.
- Bolt and grease-cup from sheet-metal blanks, Making a combined. G. W. Bowen. No. 1,054,669; Mar. 4; Gaz. vol. 188; p. 6.
- Bolt and nut lock. B. Leighton. No. 1,058,990; Apr. 15; Gaz. vol. 189; p. 632.
- Bolt and nut lock. A. Siemlenski. No. 1,080,175; Dec. 2; Gaz. vol. 197; p. 90.
- Bolt and nut lock. J. A. Hatter. No. 1,081,668; Dec. 16; Gaz. vol. 197; p. 664.
- Bolt and nut retaining means. D. Vance. No. 1,064,792; June 17; Gaz. vol. 191; p. 624.
- Bolt and screw retainer. E. R. Le Manquais. No. 1,049,376; Jan. 7; Gaz. vol. 186; p. 20.
- Bolt chamber, Visible-draft. L. F. Wolfes. No. 1,049,434; Jan. 7; Gaz. vol. 186; p. 40.
- Bolt-clamping device. P. F. Schenk. No. 1,050,301; Jan. 14; Gaz. vol. 186; p. 367.
- Bolt-cutter. E. O. Erickson. No. 1,055,970; Mar. 11; Gaz. vol. 188; p. 477.
- Bolt device. F. M. Bowman and A. H. Bovard. No. 1,057,217; Mar. 25; Gaz. vol. 188; p. 971.
- Bolt-fastening. B. C. Smith. No. 1,077,006; Oct. 28; Gaz. vol. 195; p. 947.
- Bolt-holder. J. T. McCann. No. 1,057,255; Mar. 25; Gaz. vol. 188; p. 984.
- Bolt-holding machine. G. P. Tatum. No. 1,051,173; Jan. 21; Gaz. vol. 186; p. 703.
- Bolt-lock. J. C. Hancock. No. 1,054,291; Feb. 25; Gaz. vol. 187; p. 947.
- Bolt-turning machine. R. F. Scott. No. 1,074,138; Sept. 30; Gaz. vol. 194; p. 969.
- Bolts and nuts of vehicle-wheels, Machine for severing. J. J. Casey. No. 1,054,172; Feb. 25; Gaz. vol. 187; p. 908.
- Bolter. R. A. Reynolds. No. 1,056,215; Mar. 18; Gaz. vol. 188; p. 596.
- Bolting, sifting, and grading machine. W. Gray and J. G. Hintz, Jr. No. 1,078,917; Nov. 18; Gaz. vol. 196; p. 641.
- Boltwork, Safe. C. Bartels. No. 1,078,818; Nov. 18; Gaz. vol. 196; p. 608.
- Bomb, Calorimetric. C. Féry. No. 1,067,908; July 22; Gaz. vol. 192; p. 787.
- Bones, Mounting for. B. J. Palmer. No. 1,073,703; Sept. 23; Gaz. vol. 194; p. 795.
- Bonnet. M. E. Baldwin. No. 1,056,391; Mar. 18; Gaz. vol. 188; p. 653.
- Bonnet. M. B. Drullard. No. 1,062,991; May 20; Gaz. vol. 190; p. 562.
- Bonnet, Automobile. M. F. Harris. No. 1,073,345; Sept. 16; Gaz. vol. 194; p. 648.
- Book. J. Walker, Jr. No. 1,054,260; Feb. 25; Gaz. vol. 187; p. 938.
- Book. E. S. Browne. No. 1,074,833; Oct. 7; Gaz. vol. 195; p. 83.
- Book, Account. M. S. Young. No. 1,053,464; Feb. 18; Gaz. vol. 187; p. 631.
- Book, Account. C. E. Arnold. No. 1,074,922; Oct. 7; Gaz. vol. 195; p. 114.
- Book and holder, Detachable-leaf. J. B. Shaw. No. 1,053,542; Feb. 18; Gaz. vol. 187; p. 658.
- Book and manuscript holder, Note. S. C. Osborn. No. 1,077,853; Nov. 4; Gaz. vol. 196; p. 209.
- Book and pencil holder, Combined. C. W. Colbert. No. 1,061,820; May 13; Gaz. vol. 190; p. 464.
- Book, Bill. T. J. Kelly. No. 1,068,592; July 29; Gaz. vol. 192; p. 1060.
- Book binder or lock. J. Van der Wel. No. 1,064,675; June 10; Gaz. vol. 191; p. 549.
- Book-binding device, Loose-leaf. J. Griesinger. No. 1,070,450; Aug. 19; Gaz. vol. 193; p. 539.
- Book, Business financial. H. N. French. No. 1,068,885; July 29; Gaz. vol. 192; p. 1165.
- Book-carrier. M. Feinen. No. 1,082,017; Dec. 23; Gaz. vol. 197; p. 812.
- Book-cover-cleaning machine. C. J. Rich. No. 1,062,505; May 20; Gaz. vol. 190; p. 735.
- Book cover, Pass. M. P. Exline. No. 1,054,522; Feb. 25; Gaz. vol. 187; p. 1028.

Alphabetical list of inventions—Continued.

- Book-covers or the like, Machine for depositing metallic leaf upon. C. E. Smith. No. 1,053,445; Feb. 18; Gaz. vol. 187; p. 625.
- Book, Folding check-. T. H. Satchelle. No. 1,057,460; Apr. 1; Gaz. vol. 189; p. 22.
- Book, Funeral-carriage list-. C. W. Unglesby. No. 1,053,073; Feb. 11; Gaz. vol. 187; p. 452.
- Book-holder. H. E. Wood. No. 1,051,047; Jan. 21; Gaz. vol. 186; p. 660.
- Book-holder. W. M. Miller. No. 1,054,437; Feb. 25; Gaz. vol. 187; p. 1000.
- Book-holder. W. R. Moler. No. 1,057,869; Apr. 1; Gaz. vol. 189; p. 163.
- Book-holder. W. H. Morey. No. 1,070,280; Aug. 12; Gaz. vol. 193; p. 439.
- Book holder, Note-. C. L. Dahlberg. No. 1,069,859; Aug. 12; Gaz. vol. 193; p. 296.
- Book holder or support. R. Krumming. No. 1,079,418; Nov. 25; Gaz. vol. 196; p. 843.
- Book holder, Stenographic-. P. E. Taylor. No. 1,082,979; Dec. 30; Gaz. vol. 197; p. 1177.
- Book, Loose-leaf. F. E. Housh. No. 1,069,700; Aug. 12; Gaz. vol. 193; p. 240.
- Book, Loose-leaf. R. Lord. No. 1,076,131; Oct. 21; Gaz. vol. 195; p. 585.
- Book, Loose-leaf. E. P. A. Wolf. No. 1,078,116; Nov. 11; Gaz. vol. 196; p. 332.
- Book, Manifolding-. J. A. Percival. No. 1,072,254; Sept. 2; Gaz. vol. 194; p. 198.
- Book, Manifolding sales-. E. K. Bottle. No. 1,064,884; June 17; Gaz. vol. 191; p. 653.
- Book, Manifolding sales-. L. G. Whitney. No. 1,065,751; June 24; Gaz. vol. 191; p. 981.
- Book-marker. H. S. Carson. No. 1,056,322; Mar. 18; Gaz. vol. 188; p. 631.
- Book or pad holding device, Sales. G. E. Gates. No. 1,053,725; Feb. 18; Gaz. vol. 187; p. 722.
- Book-press attachment, Standing-. J. Satenstein. No. 1,052,280; Feb. 4; Gaz. vol. 187; p. 150.
- Book, Renewable-leaf. P. MacMaster. No. 1,074,510; Sept. 30; Gaz. vol. 194; p. 1091.
- Book, Report-. W. S. Gilkey and G. H. Ogden. No. 1,052,414; Feb. 4; Gaz. vol. 187; p. 194.
- Book, Sales-. E. K. Bottle. No. 1,068,214; July 22; Gaz. vol. 192; p. 891.
- Book, Sales-. E. K. Bottle. No. 1,068,215; July 22; Gaz. vol. 192; p. 892.
- Book-signature, pamphlet, &c. G. D. Hart. No. 1,075,417; Oct. 14; Gaz. vol. 195; p. 313.
- Book-stand. A. Lewyt. No. 1,064,077; June 10; Gaz. vol. 191; p. 345.
- Book-support. H. H. Senders. No. 1,050,494; Jan. 14; Gaz. vol. 186; p. 436.
- Book-support. W. T. Shea. No. 1,080,597; Dec. 9; Gaz. vol. 197; p. 268.
- Book-support, Self-holding. I. Orochowsky. No. 1,068,160; July 22; Gaz. vol. 192; p. 873.
- Book, Tariff-. F. W. Bacon. No. 1,074,684; Oct. 7; Gaz. vol. 195; p. 35.
- Book-trimming machine, Automatic continuous. T. C. Welch. No. 1,076,726; Oct. 28; Gaz. vol. 195; p. 848.
- Books, Leaf or pocket for fly-. G. Langbein. No. 1,076,894; Oct. 28; Gaz. vol. 195; p. 907.
- Books, Loose-leaf-retaining back for. E. H. Elder. No. 1,068,993; July 29; Gaz. vol. 192; p. 1200.
- Books, papers, and the like, Portable rest for carrying. D. Marshall. No. 1,074,963; Oct. 7; Gaz. vol. 195; p. 127.
- Books, Reinforcing device for the backs of paper-covered. F. E. Williams. No. 1,067,704; July 15; Gaz. vol. 192; p. 685.
- Books to stands, Means for fastening. W. Templin. No. 1,077,896; Nov. 4; Gaz. vol. 196; p. 224.
- Bookbinder. R. J. Nicholson. No. 1,063,375; June 3; Gaz. vol. 191; p. 69.
- Bookbinder. C. Dorn. No. 1,082,853; Dec. 30; Gaz. vol. 197; p. 1134.
- Bookbinder. R. L. Nay. No. 1,083,124; Dec. 30; Gaz. vol. 197; p. 1224.
- Bookbinding. W. F. Valters. No. 1,059,092; Apr. 15; Gaz. vol. 189; p. 668.
- Bookbinding. P. J. Renninger. No. 1,061,779; May 13; Gaz. vol. 190; p. 452.
- Bookbinding and covering machine. A. Bredenberg. No. 1,073,324; Sept. 16; Gaz. vol. 194; p. 640.
- Bookbinding-machine. A. Bredenberg. No. 1,051,074; Jan. 21; Gaz. vol. 186; p. 669.
- Bookcase. C. G. Quackenbush. No. 1,072,258; Sept. 2; Gaz. vol. 194; p. 198.
- Bookcase, Interlocking knockdown sectional. L. Schram. No. 1,055,666; Mar. 11; Gaz. vol. 188; p. 375.
- Bookcases, Desk-section for sectional. F. W. Tobey. No. 1,064,110; June 10; Gaz. vol. 191; p. 356.
- Boom-swinging apparatus. R. M. Wilson. No. 1,062,376; May 20; Gaz. vol. 190; p. 693.
- Boot and legging. Riding. N. C. Shiverick. No. 1,076,845; Oct. 28; Gaz. vol. 195; p. 889.
- Boot and shoe. S. L. Kelley. No. 1,059,543; Apr. 22; Gaz. vol. 189; p. 858.
- Boot and shoe. S. J. Harris. No. 1,062,826; May 27; Gaz. vol. 190; p. 883.
- Boot and shoe. W. Eick. No. 1,065,671; June 24; Gaz. vol. 191; p. 955.
- Boot and shoe buffing machine. D. N. Robertson. No. 1,073,288; Sept. 16; Gaz. vol. 194; p. 627.
- Boot and shoe fitting device. J. Borel and F. Grange. No. 1,074,406; Sept. 30; Gaz. vol. 194; p. 1058.
- Boot and shoe ironing machine. J. S. Hansen. No. 1,081,907; Dec. 16; Gaz. vol. 197; p. 744.
- Boot and shoe jack. J. D. Prewett. No. 1,065,079; June 17; Gaz. vol. 191; p. 718.
- Boot and shoe polishing machine. H. R. Oliver and G. P. Ohlgart. No. 1,055,979; Mar. 11; Gaz. vol. 188; p. 481.
- Boot and shoe pull-on devices, Making. E. C. Jacobs. No. 1,081,835; Dec. 16; Gaz. vol. 197; p. 723.
- Boot and shoe pull-on devices, Making. E. C. Beaumont. No. 1,081,924; Dec. 16; Gaz. vol. 197; p. 750.
- Boot and shoe shank-piece. J. H. Waite. No. 1,068,089; July 22; Gaz. vol. 192; p. 848.
- Boot and shoe uppers, Making stiffened fore parts of. F. E. Butterfield. No. 1,070,406; Aug. 19; Gaz. vol. 193; p. 524.
- Boot and shoe welt. W. B. Arnold. No. 1,059,697; Apr. 22; Gaz. vol. 189; p. 908.
- Boot and shoe welt. G. F. Dunn. No. 1,059,958; Apr. 22; Gaz. vol. 189; p. 993.
- Boot and shoe welting. W. B. Arnold. No. 1,059,700; Apr. 22; Gaz. vol. 189; p. 909.
- Boot and shoe welting, Forming. W. B. Arnold. No. 1,059,699; Apr. 22; Gaz. vol. 189; p. 908.
- Boot or shoe. E. C. Jacobs. No. 1,049,721; Jan. 7; Gaz. vol. 186; p. 138.
- Boot or shoe. C. H. Young. No. 1,059,695; Apr. 22; Gaz. vol. 189; p. 907.
- Boot or shoe. J. B. MacLaughlin. No. 1,074,127; Sept. 30; Gaz. vol. 194; p. 966.
- Boot or shoe and pull therefor. W. P. Hammond. No. 1,071,005; Aug. 19; Gaz. vol. 193; p. 723.
- Boot or shoe flaps, Device for securing. A. Bowdish. No. 1,060,422; Apr. 29; Gaz. vol. 189; p. 1199.
- Boot-protector. F. Nussbaumer. No. 1,074,378; Sept. 30; Gaz. vol. 194; p. 1049.
- Boot-tree. J. Noll. No. 1,064,852; June 17; Gaz. vol. 191; p. 644.
- Boot-upper-shaping machine. P. Beier. No. 1,055,123; Mar. 4; Gaz. vol. 188; p. 158.
- Boot-uppers, Shaping. P. Beier. No. 1,055,122; Mar. 4; Gaz. vol. 188; p. 158.
- Boots and shoes, Assembling parts of. O. Ashton. No. 1,076,620; Oct. 21; Gaz. vol. 195; p. 757.
- Boots and shoes, Machine for burnishing the edges of the soles of. Z. Beaudry. No. 1,080,804; Dec. 9; Gaz. vol. 197; p. 340.
- Boots and shoes, Machine for the manufacture of. E. Bayard. No. 1,068,839; July 29; Gaz. vol. 192; p. 1149.
- Boots and shoes, Machine for the manufacture of. O. Ashton. No. 1,076,940; Oct. 28; Gaz. vol. 195; p. 924.
- Boots and shoes, Machine for use in the manufacture of. O. Ashton. No. 1,050,904; Jan. 21; Gaz. vol. 186; p. 611.
- Boots and shoes, Machine for use in the manufacture of. F. G. King. No. 1,054,003; Feb. 25; Gaz. vol. 187; p. 851.
- Boots and shoes, Machine for use in the manufacture of. A. L. Russell. No. 1,060,710; May 6; Gaz. vol. 190; p. 51.
- Boots and shoes, Machine for use in the manufacture of. A. Bates. No. 1,082,487; Dec. 30; Gaz. vol. 197; p. 1004.
- Boots and shoes, Manufacture of. K. Engel. No. 1,055,622; Mar. 11; Gaz. vol. 188; p. 360.
- Boots and shoes, Manufacture of. M. Brock. No. 1,082,621; Dec. 30; Gaz. vol. 197; p. 1053.
- Boots and shoes, Manufacture of toe-cases or toe-boxes for. J. H. Brown. No. 1,059,654; Apr. 22; Gaz. vol. 189; p. 894.
- Boots and shoes, Pull-protector for. L. C. Wentworth. No. 1,062,751; May 27; Gaz. vol. 190; p. 857.
- Boots and shoes, Welting for sewed. H. Lyon. No. 1,054,225; Feb. 25; Gaz. vol. 187; p. 928.
- Boots and the like, Ventilating-cushion for. W. B. Price. No. 1,056,828; Mar. 25; Gaz. vol. 188; p. 835.
- Boots, Extension-cuff for tops of. H. W. Gehant. No. 1,061,740; May 13; Gaz. vol. 190; p. 441.
- Boots, shoes, and lasts, Rack for holding. H. W. Perkins. No. 1,058,195; Apr. 8; Gaz. vol. 189; p. 319.
- Boots, shoes, and like articles, Nailing-machine for. A. Fricke. No. 1,054,684; Mar. 4; Gaz. vol. 188; p. 10.
- Boots, shoes, and the like, Attachment for. C. C. Cummings. No. 1,053,361; Feb. 18; Gaz. vol. 187; p. 596.
- Booth, Folding. E. J. Douglas. No. 1,071,896; Sept. 2; Gaz. vol. 194; p. 79.
- Booth, Portable. W. J. Price. No. 1,065,272; June 17; Gaz. vol. 191; p. 780.
- Boring and drilling tool. T. Prentice. No. 1,052,423; Feb. 4; Gaz. vol. 187; p. 197.
- Boring and like purposes, Tool for. J. P. Singiser. No. 1,049,773; Jan. 7; Gaz. vol. 186; p. 155.
- Boring and reaming tool, Adjustable. W. Pohlman. No. 1,082,553; Dec. 30; Gaz. vol. 197; p. 1028.
- Boring and screw-driving machine. D. W. Edwards. No. 1,060,173; Apr. 29; Gaz. vol. 189; p. 1109.

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- Boring apparatus. E. W. Fishburne. No. 1,060,176; Apr. 29; Gaz. vol. 189; p. 1110.
- Boring apparatus, Cylinder-. C. F. Winn. No. 1,064,676; June 10; Gaz. vol. 191; p. 550.
- Boring-bar. E. H. Sweeley. No. 1,059,408; Apr. 22; Gaz. vol. 189; p. 811.
- Boring-bar. W. E. McEldowney. No. 1,060,926; May 6; Gaz. vol. 190; p. 125.
- Boring-bit. J. B. Larnce. No. 1,063,982; June 10; Gaz. vol. 191; p. 312.
- Boring-bit. S. J. Watkins. No. 1,073,005; Sept. 9; Gaz. vol. 194; p. 492.
- Boring device. D. MacGregor. No. 1,080,356; Dec. 2; Gaz. vol. 197; p. 155.
- Boring-head, Adjustable. S. Blocksom. No. 1,066,878; July 8; Gaz. vol. 192; p. 367.
- Boring-machine. T. J. Watkins. No. 1,056,610; Mar. 18; Gaz. vol. 188; p. 731.
- Boring-machine. B. Henrikson. No. 1,057,424; Apr. 1; Gaz. vol. 189; p. 11.
- Boring-machine. W. H. Garlock. No. 1,057,819; Apr. 1; Gaz. vol. 189; p. 146.
- Boring-machine. F. W. Gerding. No. 1,074,112; Sept. 30; Gaz. vol. 194; p. 961.
- Boring-machine. D. P. Jordan. No. 1,079,650; Nov. 25; Gaz. vol. 196; p. 923.
- Boring-machine. C. F. Penn and F. P. Rand. No. 1,081,552; Dec. 16; Gaz. vol. 197; p. 628.
- Boring-machine feeding mechanism. W. C. Farnum. No. 1,071,305; Aug. 26; Gaz. vol. 193; p. 859.
- Boring machine, Post-hole-. A. L. Meadows. No. 1,057,653; Apr. 1; Gaz. vol. 189; p. 88.
- Boring or excavating apparatus. E. F. Estes. No. 1,065,229; June 17; Gaz. vol. 191; p. 765.
- Boring square and angular-shaped holes, Bit for. J. W. Caldwell. No. 1,066,708; July 8; Gaz. vol. 192; p. 311.
- Boring-stem. J. A. Wintroath. No. 1,079,681; Nov. 25; Gaz. vol. 196; p. 933.
- Boring-tool. R. C. Nevin. No. 1,059,335; Apr. 15; Gaz. vol. 189; p. 749.
- Boring-tool. E. E. Davis. No. 1,078,611; Nov. 18; Gaz. vol. 196; p. 534.
- Boring-tool, Brace-bit. D. C. Goodrich. No. 1,072,328; Sept. 2; Gaz. vol. 194; p. 221.
- Boring-tool holder, Eccentric. C. H. Whipple. No. 1,051,531; Jan. 28; Gaz. vol. 186; p. 857.
- Boron nitrid, Manufacture of. R. Heyder. No. 1,077,712; Nov. 4; Gaz. vol. 196; p. 161.
- Bosom-board. W. Bartholomew. No. 1,072,808; Sept. 9; Gaz. vol. 194; p. 420.
- Bottle. S. B. and C. Batsford. No. 1,050,091; Jan. 14; Gaz. vol. 186; p. 297.
- Bottle. W. G. Balls. No. 1,050,330; Jan. 14; Gaz. vol. 186; p. 377.
- Bottle. B. F. Brady. No. 1,053,779; Feb. 18; Gaz. vol. 187; p. 739.
- Bottle. G. R. Couls. No. 1,053,905; Feb. 18; Gaz. vol. 187; p. 780.
- Bottle. O. H. Jewett. No. 1,055,400; Mar. 11; Gaz. vol. 188; p. 288.
- Bottle. J. A. Pindell. No. 1,055,650; Mar. 11; Gaz. vol. 188; p. 370.
- Bottle. E. G. Field. No. 1,057,535; Apr. 1; Gaz. vol. 189; p. 47.
- Bottle. J. Winkler. No. 1,060,052; Apr. 29; Gaz. vol. 189; p. 1068.
- Bottle. W. Wilson. No. 1,061,794; May 13; Gaz. vol. 190; p. 456.
- Bottle. W. Tappenden and C. Schwarz. No. 1,061,882; May 13; Gaz. vol. 190; p. 483.
- Bottle. J. E. Cadigan. No. 1,064,442; June 10; Gaz. vol. 191; p. 471.
- Bottle. M. T. Bradley. No. 1,068,101; July 22; Gaz. vol. 192; p. 852.
- Bottle. H. A. Stern. No. 1,070,995; Aug. 19; Gaz. vol. 193; p. 720.
- Bottle. H. F. Griswold. No. 1,072,606; Sept. 9; Gaz. vol. 194; p. 349.
- Bottle. A. G. Porter. No. 1,072,987; Sept. 9; Gaz. vol. 194; p. 486.
- Bottle. W. London. No. 1,073,997; Sept. 23; Gaz. vol. 194; p. 894.
- Bottle. J. B. Colon. No. 1,075,900; Oct. 14; Gaz. vol. 195; p. 477.
- Bottle. B. M. Morton. No. 1,080,293; Dec. 2; Gaz. vol. 197; p. 131.
- Bottle, Antirefillable. A. E. Smith and L. Zeglenski. No. 1,062,045; May 20; Gaz. vol. 190; p. 530.
- Bottle, Antirefillable. J. M. Holler, Jr., and W. F. Everhart. No. 1,063,796; June 3; Gaz. vol. 191; p. 216.
- Bottle, Antirefillable. M. Price. No. 1,068,007; July 22; Gaz. vol. 192; p. 821.
- Bottle, Antirefillable. V. Zsuzsits. No. 1,072,895; Sept. 9; Gaz. vol. 194; p. 452.
- Bottle-blowing machine. S. E. Winder. No. 1,072,553; Sept. 9; Gaz. vol. 194; p. 331.
- Bottle-blowing machines, Device for cooling plungers of. S. E. Winder. No. 1,057,198; Mar. 25; Gaz. vol. 188; p. 964.
- Bottle-cap. H. R. Corey. No. 1,062,820; May 27; Gaz. vol. 190; p. 881.
- Bottle-cap. F. G. Kollenberg. No. 1,070,701; Aug. 19; Gaz. vol. 193; p. 625.
- Bottle cap and pourer. A. Feinstein. No. 1,074,168; Sept. 30; Gaz. vol. 194; p. 979.
- Bottle cap and stopper. A. B. Schrier. No. 1,054,458; Feb. 25; Gaz. vol. 187; p. 1006.
- Bottle cap, Corked-. G. Moriz and G. P. Barschall. No. 1,060,009; Apr. 29; Gaz. vol. 189; p. 1054.
- Bottle cap or closure. E. D. Schmitt. No. 1,052,382; Feb. 4; Gaz. vol. 187; p. 183.
- Bottle cap or seal. C. Hammer. No. 1,079,238; Nov. 18; Gaz. vol. 196; p. 752.
- Bottle-cap-removing device. E. J. Shaut. No. 1,064,937; June 17; Gaz. vol. 191; p. 670.
- Bottle-caps, Machine for applying. F. Recht. No. 1,055,796; Mar. 11; Gaz. vol. 188; p. 420.
- Bottle-caps, Machine for making. C. J. Lawson. No. 1,080,015; Dec. 2; Gaz. vol. 197; p. 33.
- Bottle-capper. O. F. Baltzley. No. 1,050,788; Jan. 21; Gaz. vol. 186; p. 568.
- Bottle-capping device. F. A. Thelen. No. 1,065,638; June 24; Gaz. vol. 191; p. 943.
- Bottle-capping machine. A. Johnson. No. 1,055,753; Mar. 11; Gaz. vol. 188; p. 404.
- Bottle-capping machine. B. F. Greene. No. 1,057,235; Mar. 25; Gaz. vol. 188; p. 977.
- Bottle-capping machine. F. B. Schuster. No. 1,060,948; May 6; Gaz. vol. 190; p. 133.
- Bottle-capping machine. J. H. Rese. No. 1,065,395; June 24; Gaz. vol. 191; p. 860.
- Bottle-capping machine. C. Hartwig. No. 1,069,948; Aug. 12; Gaz. vol. 193; p. 325.
- Bottle-capping machine. J. H. Rese. No. 1,071,262; Aug. 26; Gaz. vol. 193; p. 845.
- Bottle-capping machine. J. F. Prosser. No. 1,081,466; Dec. 16; Gaz. vol. 197; p. 600.
- Bottle-capping machines, Capping-head for. J. and J. A. Butkus. No. 1,080,046; Dec. 2; Gaz. vol. 197; p. 44.
- Bottle-capping machines, Liquid-compensating device for. E. C. Miller. No. 1,050,373; Jan. 14; Gaz. vol. 186; p. 392.
- Bottle-carrier for soaking-machines. J. W. Dawson. No. 1,079,750; Nov. 25; Gaz. vol. 196; p. 960.
- Bottle-casing. C. C. Goss. No. 1,073,897; Sept. 23; Gaz. vol. 194; p. 860.
- Bottle-cleaning machine. A. A. Pindstoffe. No. 1,059,205; Apr. 15; Gaz. vol. 189; p. 706.
- Bottle-cleaning machine. C. and W. Wende. No. 1,074,674; Oct. 7; Gaz. vol. 195; p. 30.
- Bottle-cleaning machine rack. A. Hannaford. No. 1,055,632; Mar. 11; Gaz. vol. 188; p. 363.
- Bottle-cleansing-machine rack. A. Hannaford. No. 1,055,631; Mar. 11; Gaz. vol. 188; p. 363.
- Bottle closing and sealing stopper. J. P. Carson. No. 1,080,891; Dec. 9; Gaz. vol. 197; p. 371.
- Bottle-closing attachment. A. C. Rovelli. No. 1,051,011; Jan. 21; Gaz. vol. 186; p. 648.
- Bottle-closing device. A. Kennerknecht. No. 1,058,867; Apr. 15; Gaz. vol. 189; p. 588.
- Bottle-closure. A. Sacca. No. 1,053,225; Feb. 18; Gaz. vol. 187; p. 548.
- Bottle-closure. J. S. Alston. No. 1,059,101; Apr. 15; Gaz. vol. 189; p. 671.
- Bottle-closure. F. W. Schwenck. No. 1,060,369; Apr. 29; Gaz. vol. 189; p. 1179.
- Bottle-closure. H. Frell. No. 1,063,384; June 3; Gaz. vol. 191; p. 73.
- Bottle-closure. W. Wilson. No. 1,066,872; July 8; Gaz. vol. 192; p. 366.
- Bottle-closure. L. Reider. No. 1,068,077; July 22; Gaz. vol. 192; p. 845.
- Bottle-closure. R. E. Redding. No. 1,075,940; Oct. 14; Gaz. vol. 195; p. 492.
- Bottle-closure. C. D. Bowyer. No. 1,077,328; Nov. 4; Gaz. vol. 196; p. 30.
- Bottle-closure. H. V. Pick. No. 1,080,366; Dec. 2; Gaz. vol. 197; p. 158.
- Bottle-closure. F. E. Sanders. No. 1,081,556; Dec. 16; Gaz. vol. 197; p. 630.
- Bottle-closure and stopper-extractor, Combined. G. J. Dysinger and J. C. Haskell. No. 1,060,172; Apr. 29; Gaz. vol. 189; p. 1108.
- Bottle-closure device. G. W. Scheller. No. 1,051,920; Feb. 4; Gaz. vol. 187; p. 25.
- Bottle closure, Milk-. S. H. Smith. No. 1,059,577; Apr. 22; Gaz. vol. 189; p. 870.
- Bottle closure or cap. S. Cantor. No. 1,065,587; June 24; Gaz. vol. 191; p. 927.
- Bottle closure or seal. W. B. Thomson. No. 1,079,074; Nov. 18; Gaz. vol. 196; p. 697.
- Bottle-closures, Machine for the manufacture of. A. Bogdánffy. No. 1,053,565; Feb. 18; Gaz. vol. 187; p. 666.
- Bottle-closures, Machine for the manufacture of. A. Bogdánffy. No. 1,068,850; July 29; Gaz. vol. 192; p. 1153.
- Bottle-closures, Manufacturing. A. Bogdánffy. No. 1,053,898; Feb. 18; Gaz. vol. 187; p. 777.
- Bottle-closures, Manufacturing. A. Bogdánffy. No. 1,075,186; Oct. 7; Gaz. vol. 195; p. 206.
- Bottle-closures or like articles, Machine for assembling. S. C. Bond. No. 1,063,324; June 3; Gaz. vol. 191; p. 52.

Alphabetical list of inventions—Continued.

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- Bottle, Coupon-. H. J. Takenaga. No. 1,057,296; Mar. 25; Gaz. vol. 188; p. 996.
- Bottle-cover. H. Rohrdantz. No. 1,076,999; Oct. 28; Gaz. vol. 195; p. 944.
- Bottle cover and brush-holder, Mucilage-. E. Baumgart. No. 1,052,306; Feb. 4; Gaz. vol. 187; p. 157.
- Bottle device, Antifraud. R. V. Donald. No. 1,076,489; Oct. 21; Gaz. vol. 195; p. 710.
- Bottle-dipping machine. K. L. Kithil. No. 1,057,560; Apr. 1; Gaz. vol. 189; p. 56.
- Bottle-discharger. C. C. Oliphant. No. 1,075,268; Oct. 7; Gaz. vol. 195; p. 236.
- Bottle, Drenching-. J. B. Mooney. No. 1,077,541; Nov. 4; Gaz. vol. 196; p. 106.
- Bottle, Dropping-. L. Kaufmann. No. 1,082,531; Dec. 30; Gaz. vol. 197; p. 1019.
- Bottle, Feeding-. E. W. Morgan. No. 1,056,113; Mar. 18; Gaz. vol. 188; p. 561.
- Bottle-filler. W. H. Bahan. No. 1,052,556; Feb. 11; Gaz. vol. 187; p. 275.
- Bottle-filler. T. Bednarowicz. No. 1,083,183; Dec. 30; Gaz. vol. 197; p. 1240.
- Bottle filler and capper. T. L. Valerius. No. 1,072,795; Sept. 9; Gaz. vol. 194; p. 414.
- Bottle filling and closing apparatus. J. L. Zeiler. No. 1,070,222; Aug. 12; Gaz. vol. 193; p. 419.
- Bottle-filling and fluid-measuring machine. W. F. Arzinger. No. 1,071,682; Sept. 2; Gaz. vol. 194; p. 3.
- Bottle-filling apparatus. J. L. Zeiler. No. 1,064,677; June 10; Gaz. vol. 191; p. 550.
- Bottle-filling apparatus. F. W. Calvert. No. 1,067,094; July 8; Gaz. vol. 192; p. 440.
- Bottle-filling apparatus, Siphon-. J. A. Schultz, Jr. No. 1,073,366; Sept. 16; Gaz. vol. 194; p. 655.
- Bottle-filling machine. M. Takagi. No. 1,069,354; Aug. 5; Gaz. vol. 193; p. 93.
- Bottle-filling machine. A. F. Wood and A. G. Steer. No. 1,072,290; Sept. 2; Gaz. vol. 194; p. 209.
- Bottle-filling machine. J. H. Champ. No. 1,074,585; Sept. 30; Gaz. vol. 194; p. 1116.
- Bottle-handling device. T. F. Lamb. No. 1,064,746; June 17; Gaz. vol. 191; p. 610.
- Bottle-handling device. T. F. Lamb. No. 1,080,984; Dec. 9; Gaz. vol. 197; p. 401.
- Bottle-handling mechanism. J. V. Irenius and C. B. Weaver. No. 1,079,295; Nov. 18; Gaz. vol. 196; p. 769.
- Bottle-holder. R. B. Gilchrist. No. 1,058,362; Apr. 8; Gaz. vol. 189; p. 378.
- Bottle-holder. C. N. Sowden. No. 1,079,192; Nov. 18; Gaz. vol. 196; p. 738.
- Bottle-holder. N. Hubbard. No. 1,082,808; Dec. 30; Gaz. vol. 197; p. 1118.
- Bottle-holder and tray. W. G. Winter. No. 1,061,152; May 6; Gaz. vol. 190; p. 203.
- Bottle holder, Milk-. M. L. and B. W. Martus. No. 1,053,103; Feb. 11; Gaz. vol. 187; p. 463.
- Bottle holder, Milk-. W. F. Beaton. No. 1,064,698; June 17; Gaz. vol. 191; p. 593.
- Bottle holder, Milk-. R. H. Neff. No. 1,078,744; Nov. 18; Gaz. vol. 196; p. 581.
- Bottle holder, Milk-. J. J. Dunn. No. 1,079,978; Dec. 2; Gaz. vol. 197; p. 20.
- Bottle holder, Nursing-. O. Lee. No. 1,065,816; June 24; Gaz. vol. 191; p. 1003.
- Bottle-holder, Safety. P. Zabrenas. No. 1,050,709; Jan. 14; Gaz. vol. 186; p. 506.
- Bottle-indicator. P. N. Barnesby. No. 1,049,646; Jan. 7; Gaz. vol. 186; p. 113.
- Bottle lining, Milk-. M. G. Seamans. No. 1,061,131; May 6; Gaz. vol. 190; p. 196.
- Bottle lock, Milk and other. F. J. Hammes. No. 1,054,408; Feb. 25; Gaz. vol. 187; p. 990.
- Bottle, Lock-seal. J. Sharp. No. 1,081,156; Dec. 9; Gaz. vol. 197; p. 456.
- Bottle, Milk-. F. J. Kendrick. No. 1,062,542; May 20; Gaz. vol. 190; p. 746.
- Bottle, Milk-. A. G. Brandt. No. 1,067,237; July 15; Gaz. vol. 192; p. 526.
- Bottle, Milk-. H. Dikeman. No. 1,083,201; Dec. 30; Gaz. vol. 197; p. 1246.
- Bottle-neck valve, Insert. J. J. Kime. No. 1,082,125; Dec. 23; Gaz. vol. 197; p. 848.
- Bottle, Non-refillable. J. S. Hardcastle. No. 1,050,018; Jan. 7; Gaz. vol. 186; p. 237.
- Bottle, Non-refillable. T. T. Keenan. No. 1,050,030; Jan. 7; Gaz. vol. 186; p. 241.
- Bottle, Non-refillable. E. J. Blackburne. No. 1,050,515; Jan. 14; Gaz. vol. 186; p. 443.
- Bottle, Non-refillable. N. J. Smith. No. 1,051,285; Jan. 21; Gaz. vol. 186; p. 740.
- Bottle, Non-refillable. O. E. Montaperto. No. 1,052,685; Feb. 11; Gaz. vol. 187; p. 319.
- Bottle, Non-refillable. E. J. Loesser. No. 1,053,308; Feb. 18; Gaz. vol. 187; p. 577.
- Bottle, Non-refillable. J. Falasca. No. 1,053,587; Feb. 18; Gaz. vol. 187; p. 674.
- Bottle, Non-refillable. J. W. Scott. No. 1,053,882; Feb. 18; Gaz. vol. 187; p. 772.
- Bottle, Non-refillable. O. Gessler. No. 1,054,966; Mar. 4; Gaz. vol. 188; p. 106.
- Bottle, Non-refillable. J. D. Mulvehill. No. 1,054,982; Mar. 4; Gaz. vol. 188; p. 112.
- Bottle, Non-refillable. S. Fiscella. No. 1,055,154; Mar. 4; Gaz. vol. 188; p. 168.
- Bottle, Non-refillable. A. W. Butterfield, E. Raadlaub, Sr., and J. A. Pathe. No. 1,055,299; Mar. 4; Gaz. vol. 188; p. 214.
- Bottle, Non-refillable. A. Litvany. No. 1,055,340; Mar. 11; Gaz. vol. 188; p. 267.
- Bottle, Non-refillable. J. A. Wood. No. 1,055,501; Mar. 11; Gaz. vol. 188; p. 322.
- Bottle, Non-refillable. L. Zundel. No. 1,055,590; Mar. 11; Gaz. vol. 188; p. 350.
- Bottle, Non-refillable. H. C. Atkins. No. 1,055,595; Mar. 11; Gaz. vol. 188; p. 351.
- Bottle, Non-refillable. J. C. Roth and J. F. Berrick. No. 1,056,216; Mar. 18; Gaz. vol. 188; p. 596.
- Bottle, Non-refillable. W. G. Kendall. No. 1,056,797; Mar. 25; Gaz. vol. 188; p. 825.
- Bottle, Non-refillable. H. Nicholson. No. 1,057,659; Apr. 1; Gaz. vol. 189; p. 90.
- Bottle, Non-refillable. C. Nadolney. No. 1,058,324; Apr. 8; Gaz. vol. 189; p. 364.
- Bottle, Non-refillable. J. Herboldt. No. 1,058,973; Apr. 15; Gaz. vol. 189; p. 626.
- Bottle, Non-refillable. S. E. Woolmington. No. 1,059,419; Apr. 22; Gaz. vol. 189; p. 816.
- Bottle, Non-refillable. G. C. and H. W. Bentinck. No. 1,059,816; Apr. 22; Gaz. vol. 189; p. 947.
- Bottle, Non-refillable. J. S. Bromhead. No. 1,060,532; Apr. 29; Gaz. vol. 189; p. 1235.
- Bottle, Non-refillable. F. Anderson. No. 1,060,732; May 6; Gaz. vol. 190; p. 58.
- Bottle, Non-refillable. P. J. Herbert. No. 1,061,288; May 13; Gaz. vol. 190; p. 284.
- Bottle, Non-refillable. J. Q. Taylor. No. 1,062,517; May 20; Gaz. vol. 190; p. 739.
- Bottle, Non-refillable. F. Sullivan. No. 1,062,998; May 27; Gaz. vol. 190; p. 939.
- Bottle, Non-refillable. A. Kish. No. 1,063,355; June 3; Gaz. vol. 191; p. 63.
- Bottle, Non-refillable. M. Kovac. No. 1,063,698; June 3; Gaz. vol. 191; p. 185.
- Bottle, Non-refillable. J. A. Laury. No. 1,064,147; June 10; Gaz. vol. 191; p. 370.
- Bottle, Non-refillable. G. Komlósy. No. 1,064,491; June 10; Gaz. vol. 191; p. 488.
- Bottle, Non-refillable. E. Graves. No. 1,064,638; June 10; Gaz. vol. 191; p. 537.
- Bottle, Non-refillable. T. Nishida. No. 1,064,851; June 17; Gaz. vol. 191; p. 644.
- Bottle, Non-refillable. G. and A. Impellitteri. No. 1,065,612; June 24; Gaz. vol. 191; p. 934.
- Bottle, Non-refillable. W. A. Schneller. No. 1,066,056; July 1; Gaz. vol. 192; p. 54.
- Bottle, Non-refillable. E. C. Furman. No. 1,066,597; July 8; Gaz. vol. 192; p. 271.
- Bottle, Non-refillable. A. A. Thorbahn. No. 1,067,849; July 22; Gaz. vol. 192; p. 768.
- Bottle, Non-refillable. L. Stern. No. 1,067,947; July 22; Gaz. vol. 192; p. 800.
- Bottle, Non-refillable. R. Dehnenbach. No. 1,068,113; July 22; Gaz. vol. 192; p. 856.
- Bottle, Non-refillable. C. R. M. Hansen. No. 1,068,766; July 29; Gaz. vol. 192; p. 1121.
- Bottle, Non-refillable. B. Sarro, W. W. Liverman, and G. Petrella. No. 1,069,478; Aug. 5; Gaz. vol. 193; p. 137.
- Bottle, Non-refillable. W. Scott. No. 1,069,482; Aug. 5; Gaz. vol. 193; p. 139.
- Bottle, Non-refillable. J. McGinniss. No. 1,069,969; Aug. 12; Gaz. vol. 193; p. 331.
- Bottle, Non-refillable. E. Wipfer. No. 1,070,220; Aug. 12; Gaz. vol. 193; p. 419.
- Bottle, Non-refillable. E. Garnier. No. 1,071,152; Aug. 26; Gaz. vol. 193; p. 807.
- Bottle, Non-refillable. P. Haak. No. 1,072,449; Sept. 9; Gaz. vol. 194; p. 294.
- Bottle, Non-refillable. J. G. Reddick. No. 1,072,497; Sept. 9; Gaz. vol. 194; p. 310.
- Bottle, Non-refillable. S. L. Dignon and M. L. Debrosee, Jr. No. 1,072,583; Sept. 9; Gaz. vol. 194; p. 341.
- Bottle, Non-refillable. F. F. C. and A. C. Blake. No. 1,072,689; Sept. 9; Gaz. vol. 194; p. 377.
- Bottle, Non-refillable. J. F. Jensen. No. 1,073,239; Sept. 16; Gaz. vol. 194; p. 609.
- Bottle, Non-refillable. M. P. Schell. No. 1,073,869; Sept. 23; Gaz. vol. 194; p. 849.
- Bottle, Non-refillable. C. Wilcovitz. No. 1,074,148; Sept. 30; Gaz. vol. 194; p. 973.
- Bottle, Non-refillable. A. German. No. 1,075,030; Oct. 7; Gaz. vol. 195; p. 152.
- Bottle, Non-refillable. R. Rosada. No. 1,075,066; Oct. 7; Gaz. vol. 195; p. 165.
- Bottle, Non-refillable. C. B. H. La Bounty. No. 1,076,129; Oct. 21; Gaz. vol. 195; p. 585.
- Bottle, Non-refillable. G. H. Montfort and A. L. Beauchaine. No. 1,076,510; Oct. 21; Gaz. vol. 195; p. 717.
- Bottle, Non-refillable. J. Triolo. No. 1,076,532; Oct. 21; Gaz. vol. 195; p. 726.

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- Bottle, Non-refillable. J. Gabrielson and K. Karlstrom. No. 1,077,060; Oct. 28; Gaz. vol. 195; p. 965.
- Bottle, Non-refillable. L. J. Stilling. No. 1,077,565; Nov. 4; Gaz. vol. 196; p. 113.
- Bottle, Non-refillable. E. Fournier. No. 1,077,825; Nov. 4; Gaz. vol. 196; p. 200.
- Bottle, Non-refillable. W. Rakowski. No. 1,077,915; Nov. 4; Gaz. vol. 196; p. 231.
- Bottle, Non-refillable. J. Letora. No. 1,078,737; Nov. 18; Gaz. vol. 196; p. 579.
- Bottle, Non-refillable. W. J. Beisel. No. 1,079,387; Nov. 25; Gaz. vol. 196; p. 833.
- Bottle, Non-refillable. A. C. Watts. No. 1,080,311; Dec. 2; Gaz. vol. 197; p. 137.
- Bottle, Non-refillable. J. Behringer. No. 1,080,318; Dec. 2; Gaz. vol. 197; p. 140.
- Bottle, Non-refillable. C. F. Davy and T. Richardson. No. 1,081,491; Dec. 16; Gaz. vol. 197; p. 608.
- Bottle, Non-refillable. F. Kuhles. No. 1,081,506; Dec. 16; Gaz. vol. 197; p. 613.
- Bottle, Non-refillable. J. H. Plaisted. No. 1,081,553; Dec. 16; Gaz. vol. 197; p. 629.
- Bottle, Non-refillable. W. E. Bailey. No. 1,081,883; Dec. 16; Gaz. vol. 197; p. 737.
- Bottle, Non-refillable. J. W. Freeman. No. 1,082,020; Dec. 23; Gaz. vol. 197; p. 813.
- Bottle, Non-refillable. G. P. Combs and P. J. Burke. No. 1,082,407; Dec. 23; Gaz. vol. 197; p. 946.
- Bottle, Non-refillable. W. H. Mannon. No. 1,083,116; Dec. 30; Gaz. vol. 197; p. 1222.
- Bottle, Non-refillable. W. E. Blackstock. No. 1,083,184; Dec. 30; Gaz. vol. 197; p. 1240.
- Bottle, Non-resealable. F. A. McGuire. No. 1,072,139; Sept. 2; Gaz. vol. 194; p. 161.
- Bottle, Nursing-. L. Mambourg. No. 1,080,070; Dec. 2; Gaz. vol. 197; p. 53.
- Bottle-opener. O. F. Foster. No. 1,060,674; May 6; Gaz. vol. 190; p. 37.
- Bottle-opener. J. Lee. No. 1,064,501; June 10; Gaz. vol. 191; p. 491.
- Bottle or bag, Water. I. F. Kepler. No. 1,074,269; Sept. 30; Gaz. vol. 194; p. 1013.
- Bottle, Poison-. A. L. Larsen. No. 1,080,464; Dec. 2; Gaz. vol. 197; p. 191.
- Bottle, Poison-indicating. J. G. Grantham. No. 1,055,268; Mar. 4; Gaz. vol. 188; p. 204.
- Bottle receiver, Milk-. D. Ainis. No. 1,051,534; Jan. 28; Gaz. vol. 186; p. 858.
- Bottle receptacle, Milk-. A. R. Conner and A. A. Veasey. No. 1,053,942; Feb. 18; Gaz. vol. 187; p. 792.
- Bottle, Rectum-. D. T. Quigley. No. 1,077,490; Nov. 4; Gaz. vol. 196; p. 89.
- Bottle, Refillable. L. J. Crecelius. No. 1,079,403; Nov. 25; Gaz. vol. 196; p. 838.
- Bottle-rinsing apparatus. A. A. Pindstoffe. No. 1,055,220; Mar. 4; Gaz. vol. 188; p. 189.
- Bottle safety-receptacle, Milk-. G. L. Wachter. No. 1,069,501; Aug. 5; Gaz. vol. 193; p. 144.
- Bottle, Separable sanitary nursing-. E. O'Brien. No. 1,070,516; Aug. 19; Gaz. vol. 193; p. 563.
- Bottle shelf or support. S. Sternau and C. Nelson. No. 1,061,337; May 13; Gaz. vol. 190; p. 300.
- Bottle-siphon. L. Cherry. No. 1,057,118; Mar. 25; Gaz. vol. 188; p. 936.
- Bottle, Siphon-. P. E. Malmstrom. No. 1,069,155; Aug. 5; Gaz. vol. 193; p. 22.
- Bottle-steaming apparatus. A. A. Pindstoffe. No. 1,076,447; Oct. 21; Gaz. vol. 195; p. 696.
- Bottle-stopper. W. J. Kershaw. No. 1,050,549; Jan. 14; Gaz. vol. 186; p. 456.
- Bottle-stopper. C. H. Eder. No. 1,052,228; Feb. 4; Gaz. vol. 187; p. 132.
- Bottle-stopper. G. Braendle. No. 1,053,353; Feb. 18; Gaz. vol. 187; p. 593.
- Bottle-stopper. W. B. Langan. No. 1,057,066; Mar. 25; Gaz. vol. 188; p. 918.
- Bottle-stopper. J. Duran. No. 1,060,237; Apr. 29; Gaz. vol. 189; p. 1131.
- Bottle-stopper. A. D. Hites and H. R. Van Gorder. No. 1,062,972; May 27; Gaz. vol. 190; p. 931.
- Bottle-stopper. L. Rosenfield and J. E. Oppen. No. 1,064,544; June 10; Gaz. vol. 191; p. 505.
- Bottle-stopper. W. T. Brook. No. 1,065,211; June 17; Gaz. vol. 191; p. 759.
- Bottle-stopper. J. W. Carter. No. 1,065,896; June 24; Gaz. vol. 191; p. 1031.
- Bottle-stopper. A. K. Lovell. No. 1,069,153; Aug. 5; Gaz. vol. 193; p. 21.
- Bottle-stopper. F. L. Siegel. No. 1,073,444; Sept. 16; Gaz. vol. 194; p. 682.
- Bottle-stopper. A. Rochwite. No. 1,074,293; Sept. 30; Gaz. vol. 194; p. 1020.
- Bottle-stopper. E. M. De Valdes. No. 1,080,331; Dec. 2; Gaz. vol. 197; p. 144.
- Bottle-stopper. G. F. Barlow. No. 1,081,085; Dec. 9; Gaz. vol. 197; p. 431.
- Bottle stopper, Hot-water-. C. F. Schuh. No. 1,080,659; Dec. 9; Gaz. vol. 197; p. 288.
- Bottle stopper, Milk-. T. B. Sluby. No. 1,052,289; Feb. 4; Gaz. vol. 187; p. 153.
- Bottle-stopper remover. W. F. Clayton. No. 1,065,113; June 17; Gaz. vol. 191; p. 729.
- Bottle stopper, Water-. M. C. Schweinert and H. P. Kraft. No. 1,076,162; Oct. 21; Gaz. vol. 195; p. 595.
- Bottle-top closing and sealing apparatus. J. L. Zeller. No. 1,050,325; Jan. 14; Gaz. vol. 186; p. 376.
- Bottle-washer. F. Brooks and I. K. Hisey. No. 1,056,774; Mar. 25; Gaz. vol. 188; p. 818.
- Bottle-washer. C. Hamann. No. 1,068,648; July 29; Gaz. vol. 192; p. 1080.
- Bottle-washer. P. Kempe. No. 1,076,889; Oct. 28; Gaz. vol. 195; p. 905.
- Bottle washing and rinsing machine. G. W. Koch. No. 1,055,760; Mar. 11; Gaz. vol. 188; p. 408.
- Bottle-washing apparatus. H. J. Chilton. No. 1,074,836; Oct. 7; Gaz. vol. 195; p. 84.
- Bottle-washing machine. J. M. Felger. No. 1,049,832; Jan. 7; Gaz. vol. 186; p. 175.
- Bottle-washing machine. H. J. Chilton. No. 1,053,903; Feb. 18; Gaz. vol. 187; p. 779.
- Bottle-washing machine. R. L. Gallup. No. 1,076,277; Oct. 21; Gaz. vol. 195; p. 634.
- Bottle-washing machine. J. T. H. Paul. No. 1,077,636; Nov. 4; Gaz. vol. 196; p. 136.
- Bottle-wrapper. P. T. Clark. No. 1,076,018; Oct. 21; Gaz. vol. 195; p. 547.
- Bottles and other receptacles with liquids, Apparatus for filling. C. J. Matthews and J. C. Potter. No. 1,076,776; Oct. 28; Gaz. vol. 195; p. 865.
- Bottles and the like, Manufacture of water-. J. L. Mahoney. No. 1,058,447; Apr. 8; Gaz. vol. 189; p. 408.
- Bottles, Closure for poison-. E. S. Crumb. No. 1,082,413; Dec. 23; Gaz. vol. 197; p. 948.
- Bottles, Detection device for. M. Krompigel and J. Hradisky. No. 1,075,657; Oct. 14; Gaz. vol. 195; p. 396.
- Bottles, Device to prevent fraudulent refilling of. J. T. Humphrey. No. 1,082,872; Dec. 30; Gaz. vol. 197; p. 1140.
- Bottles inclosing gaseous beverages, Stopping and pouring device for. M. Langlois. No. 1,060,464; Apr. 29; Gaz. vol. 189; p. 1211.
- Bottles, jars, and other vessels, Fastener for. J. A. Jones. No. 1,074,437; Sept. 30; Gaz. vol. 194; p. 1069.
- Bottles, Machine for applying closures to. B. Gallagher. No. 1,063,191; June 3; Gaz. vol. 191; p. 8.
- Bottles, Machine for automatically filling. A. A. Pindstoffe. No. 1,052,377; Feb. 4; Gaz. vol. 187; p. 181.
- Bottles, Manufacture of globular glass. A. Schiller. No. 1,080,372; Dec. 2; Gaz. vol. 197; p. 161.
- Bottles, Nipple for nursing-. J. Pfeiffer. No. 1,081,464; Dec. 16; Gaz. vol. 197; p. 599.
- Bottles or other receptacles, Closure or stopper for. J. C. Roth and J. F. Berrick. No. 1,056,217; Mar. 18; Gaz. vol. 188; p. 597.
- Bottles or other receptacles with liquids, Device for filling. G. H. L. Parsons. No. 1,052,748; Feb. 11; Gaz. vol. 187; p. 339.
- Bottles, Packaging. F. Bergen. No. 1,063,154; May 27; Gaz. vol. 190; p. 991.
- Bottles, Protective casing for glass. F. S. Hyatt. No. 1,063,351; June 3; Gaz. vol. 191; p. 62.
- Bottling appliance. J. V. Irenius. No. 1,079,053; Nov. 18; Gaz. vol. 196; p. 689.
- Bottling machine, Liquid-. G. Wiberg. No. 1,051,179; Jan. 21; Gaz. vol. 186; p. 705.
- Boutonniere-holder. R. B. Ferguson. No. 1,067,979; July 22; Gaz. vol. 192; p. 811.
- Bow. F. W. A. Shultz. No. 1,067,445; July 15; Gaz. vol. 192; p. 598.
- Bow-holder. F. F. Haskell. No. 1,076,423; Oct. 21; Gaz. vol. 195; p. 687.
- Bow-rest. J. Nelson. No. 1,068,808; July 29; Gaz. vol. 192; p. 1137.
- Bow rest and lock, Combined. D. J. Macdonald. No. 1,073,503; Sept. 16; Gaz. vol. 194; p. 701.
- Bow, Self-riveting non-detachable. H. L. Jeffery. No. 1,062,652; May 27; Gaz. vol. 190; p. 827.
- Bows, Forming artificial. J. Grossgebauer. No. 1,055,738; Mar. 11; Gaz. vol. 188; p. 399.
- Bowl. W. H. Hafner. No. 1,055,740; Mar. 11; Gaz. vol. 188; p. 400.
- Bowl and canister. J. S. Desmarais. No. 1,066,384; July 1; Gaz. vol. 192; p. 168.
- Bowling-alley. P. S. Knapp. No. 1,062,162; May 20; Gaz. vol. 190; p. 621.
- Bowling-alley. H. V. C. Holland and W. H. Wiggins. No. 1,068,131; July 22; Gaz. vol. 192; p. 862.
- Bowling-alley. H. F. Cook and C. C. Hildreth. No. 1,077,807; Nov. 4; Gaz. vol. 196; p. 194.
- Bowling-alley apparatus. J. R. Rishebegar and J. J. Jones. No. 1,059,211; Apr. 15; Gaz. vol. 189; p. 708.
- Bowling-alley pin-setter. E. Schlossberg. No. 1,080,373; Dec. 2; Gaz. vol. 197; p. 161.
- Bowling-alley-surfacing machine. L. Engel. No. 1,057,953; Apr. 1; Gaz. vol. 189; p. 190.
- Bowling-alleys, Back-stop for. H. F. Cook and C. C. Hildreth. No. 1,073,400; Sept. 16; Gaz. vol. 194; p. 667.

Alphabetical list of inventions—Continued.

- Bowling-ball. C. Seessle. No. 1,079,956; Dec. 2; Gaz. vol. 197; p. 12.
- Bowling-ball. A. Sondheimer. No. 1,080,307; Dec. 2; Gaz. vol. 197; p. 136.
- Bowling-balls, Handle for throwing. J. W. Hyatt. No. 1,068,389; July 22; Gaz. vol. 192; p. 952.
- Bowling-machine, Automatic. J. F. Summers. No. 1,058,490; Apr. 8; Gaz. vol. 189; p. 421.
- Bowling outfit. P. Makray. No. 1,073,431; Sept. 16; Gaz. vol. 194; p. 677.
- Bowling-pin. W. P. Mussey. No. 1,060,932; May 6; Gaz. vol. 190; p. 128.
- Box: See Air-tight box; Annealing-box; Antisifting-box; Artist's color-box; Axle-box; Ballot-box; Balloting-box; Battery-box; Berry-box; Boiler fire-box; Candy-box; Cannery exhaust-box; Car journal-box; Car sand-box; Cash-box; Cigar-box; Cigarette-box; Circuit-extension box; Collapsible box; Collapsible flexible box; Collapsible or knockdown box; Compression-box; Conduit-box; Confectionery-box; Core-box; Curb-box; Deposit and collection box; Display-box; Drop-end box; Egg-box; Electric box; Electrical-conduit junction-box; Electrode-box; Fare-box; Feed-box; Fire-box; Fire-alarm box; Fire-alarm signal-box; Foldable box; Foldable blank box; Folding box; Folding-machine packing-box; Folding or collapsible box; Generator-box; Gramophone sound-box; Gramophone sounding-box; Grease-box; Hanger-box; Hat-box; Ice-box; Irrigation-box; Journal-box; Junction-box; Knockdown box; Letter-box; Locomotive-box; Locomotive driving-box; Lunch-box; Mail-box; Mail-carrier's box; Mail-delivery box; Match-box; Metal box; Metal-bound box; Metallic box; Meter-box; Miter-box; Nest-box; Oil-box; Outlet-box; Packing-box; Packing or shipping box; Paper box; Phonograph sound-box; Picture-displaying box; Police-signal-code box; Powder-box; Puzzle-box; Railway-crossing drain-box; Rough box; Safe-deposit box; Sectional box; Seedbox; Sheet-metal box; Shelf-box; Shipping-box; Shoe-polishing box; Sign-box; Signal-box; Solid-end box; Sound-box; Sounding-box; Spring-lid box; Stuffing-box; Suit-box; Supply-box; Switch-box; Switch and receptacle box; Talking-machine sound-box; Telescopic box; Ticket-deposit box; Tobacco-box; Tobacco-cutting box; Tracker-box; Trick-box; Vacuum-box; Vanity-box; Vehicle luggage-box; Ventilated box; Wagon-box; Watch-case-box; Window-box.
- Box. C. J. Colling, Jr. No. 1,049,998; Jan. 7; Gaz. vol. 186; p. 229.
- Box. L. J. Ives. No. 1,054,655; Feb. 25; Gaz. vol. 187; p. 1073.
- Box. M. R. Woodward and E. G. Dean. No. 1,055,116; Mar. 4; Gaz. vol. 188; p. 156.
- Box. W. A. Lofland. No. 1,061,619; May 13; Gaz. vol. 190; p. 400.
- Box. W. S. Lyon. No. 1,062,834; May 27; Gaz. vol. 190; p. 885.
- Box. A. Paradis. No. 1,068,818; July 29; Gaz. vol. 192; p. 1142.
- Box. E. Rothschild. No. 1,069,649; Aug. 5; Gaz. vol. 193; p. 192.
- Box. O. E. Green. No. 1,069,940; Aug. 12; Gaz. vol. 193; p. 323.
- Box. G. E. Shine. No. 1,070,194; Aug. 12; Gaz. vol. 193; p. 410.
- Box. A. Prior and R. W. Brickell. No. 1,074,815; Oct. 7; Gaz. vol. 195; p. 77.
- Box. J. R. Winter. No. 1,075,456; Oct. 14; Gaz. vol. 195; p. 327.
- Box. S. Bachmann. No. 1,083,048; Dec. 30; Gaz. vol. 197; p. 1199.
- Box and cover assembling machine, Automatic. G. B. Allen. No. 1,068,034; July 22; Gaz. vol. 192; p. 830.
- Box-blank-finishing machine. E. E. Flora. No. 1,056,017; Mar. 18; Gaz. vol. 188; p. 528.
- Box-capping machine. C. F. Jenkins. No. 1,067,431; July 15; Gaz. vol. 192; p. 593.
- Box-corner stays, Machine for attaching. M. D. Knowlton. No. 1,061,084; May 6; Gaz. vol. 190; p. 180.
- Box-cover, Detachable. W. Milbrath. No. 1,055,483; Mar. 11; Gaz. vol. 188; p. 315.
- Box-cover fastener. O. Herbert. No. 1,055,532; Mar. 11; Gaz. vol. 188; p. 331.
- Box-cover fastener. R. M. Redding. No. 1,055,797; Mar. 11; Gaz. vol. 188; p. 420.
- Box-cover fastener. A. Rahotina. No. 1,062,733; May 27; Gaz. vol. 190; p. 851.
- Box-cover fastener. G. C. Ware. No. 1,063,628; June 3; Gaz. vol. 191; p. 159.
- Box-cover fastener and reinforcement. M. C. Rogers. No. 1,057,671; Apr. 1; Gaz. vol. 189; p. 95.
- Box-cover fastening. C. T. Jenewein and C. W. Dobelin. No. 1,064,653; June 10; Gaz. vol. 191; p. 541.
- Box-covering blanks, Machine for applying corner-staying tabs to. J. D. Reifsnnyder and H. G. Schwerdtle. No. 1,060,026; Apr. 29; Gaz. vol. 189; p. 1060.
- Box-covering machine. S. M. Langston. No. 1,054,427; Feb. 25; Gaz. vol. 187; p. 997.
- Box-covering machine. J. A. Butler, C. Reynolds, and A. J. Seaman. No. 1,056,004; Mar. 18; Gaz. vol. 188; p. 524.
- Box-covering machine. J. P. Markert and R. S. Bolger. No. 1,065,153; June 17; Gaz. vol. 191; p. 711.
- Box-covering machine. J. P. Markert and R. S. Bolger. No. 1,065,330; June 17; Gaz. vol. 191; p. 800.
- Box-covering machine. A. Worcester. No. 1,067,092; July 8; Gaz. vol. 192; p. 439.
- Box elevating and dumping machine. G. D. Parker. No. 1,049,523; Jan. 7; Gaz. vol. 186; p. 69.
- Box-end-stapling machine. G. J. Oltsch. No. 1,050,844; Jan. 21; Gaz. vol. 186; p. 588.
- Box-fastener. P. Solum. No. 1,055,826; Mar. 11; Gaz. vol. 188; p. 430.
- Box-fastener. J. E. Yost. No. 1,056,313; Mar. 18; Gaz. vol. 188; p. 628.
- Box-fastener. L. Mollart. No. 1,063,278; June 3; Gaz. vol. 191; p. 37.
- Box-fastener. P. H. Lettré. No. 1,076,897; Oct. 28; Gaz. vol. 195; p. 908.
- Box-fastener. E. W. Stamm. No. 1,080,859; Dec. 9; Gaz. vol. 197; p. 360.
- Box-filling machine. J. W. Denmead. No. 1,063,960; June 10; Gaz. vol. 191; p. 304.
- Box-filling machine. J. W. Denmead and J. P. Wright. No. 1,064,452; June 10; Gaz. vol. 191; p. 474.
- Box-filling machine. W. G. Kendall. No. 1,082,876; Dec. 30; Gaz. vol. 197; p. 1142.
- Box for plumes and similar articles. J. A. Stein. No. 1,075,446; Oct. 14; Gaz. vol. 195; p. 324.
- Box former, Berry-. W. H. Ellis. No. 1,054,521; Feb. 25; Gaz. vol. 187; p. 1028.
- Box-lid holder. B. D. Miller. No. 1,075,844; Oct. 14; Gaz. vol. 195; p. 459.
- Box-lid-nailing machine. A. S. King. No. 1,074,800; Oct. 7; Gaz. vol. 195; p. 73.
- Box-lid supporter. L. C. Isaacson and H. Morgan. No. 1,056,996; Mar. 25; Gaz. vol. 188; p. 894.
- Box-lock. T. F. Miller. No. 1,050,559; Jan. 14; Gaz. vol. 186; p. 459.
- Box-lock. Z. T. Beatty. No. 1,066,366; July 1; Gaz. vol. 192; p. 162.
- Box-machine. J. J. Miller. No. 1,053,627; Feb. 18; Gaz. vol. 187; p. 686.
- Box-machine. M. R. Woodward and E. G. Dean. No. 1,055,007; Mar. 4; Gaz. vol. 188; p. 120.
- Box-machine, Adjustable. H. A. Inman. No. 1,067,253; July 15; Gaz. vol. 192; p. 532.
- Box machine, Pasteboard-. E. A. Telfair. No. 1,054,473; Feb. 25; Gaz. vol. 187; p. 1012.
- Box-machines, Counting attachment for. F. M. Blanchard. No. 1,054,165; Feb. 25; Gaz. vol. 187; p. 906.
- Box-machines, Paper-strip folding and pressing device for. E. Jagenberg. No. 1,058,061; Apr. 8; Gaz. vol. 189; p. 271.
- Box-making machine. C. Holly. No. 1,053,602; Feb. 18; Gaz. vol. 187; p. 679.
- Box-making machine. E. C. Northrup. No. 1,058,894; Apr. 15; Gaz. vol. 189; p. 598.
- Box-making machine. L. C. Palmer. No. 1,070,518; Aug. 19; Gaz. vol. 193; p. 563.
- Box-making machine. G. M. Westland. No. 1,081,071; Dec. 9; Gaz. vol. 197; p. 428.
- Box-making machines, Automatic stopping device for. K. A. Wass and B. A. E. Johnson. No. 1,057,102; Mar. 25; Gaz. vol. 188; p. 932.
- Box-nailing machine. E. C. Northrup. No. 1,063,171; May 27; Gaz. vol. 190; p. 997.
- Box-opener. F. Vraney. No. 1,054,062; Feb. 25; Gaz. vol. 187; p. 871.
- Box opener, Tin-. E. M. Darqué. No. 1,082,800; Dec. 30; Gaz. vol. 197; p. 1116.
- Box or bag, Grab. E. B. Rodman. No. 1,082,446; Dec. 23; Gaz. vol. 197; p. 958.
- Box or carton. C. C. Palmer. No. 1,081,981; Dec. 23; Gaz. vol. 197; p. 799.
- Box or receptacle. J. H. Young. No. 1,057,369; Mar. 25; Gaz. vol. 188; p. 1019.
- Box or receptacle for containing small articles. E. P. Perkins. No. 1,079,141; Nov. 18; Gaz. vol. 196; p. 720.
- Box-protector. J. Kurz. No. 1,059,171; Apr. 15; Gaz. vol. 189; p. 693.
- Box-section. H. D. Bokop. No. 1,068,304; July 22; Gaz. vol. 192; p. 923.
- Box-strap tightener. W. M. Brooks. No. 1,067,400; July 15; Gaz. vol. 192; p. 582.
- Boxes, Drop-handle for. S. B. Field. No. 1,078,491; Nov. 11; Gaz. vol. 196; p. 462.
- Boxes, &c., for detinning. Apparatus for preparing tinned sheet-iron. H. Goldschmidt. No. 1,075,781; Oct. 14; Gaz. vol. 195; p. 437.
- Boxes, Manufacture of. M. D. Knowlton. No. 1,079,772; Nov. 25; Gaz. vol. 196; p. 968.
- Boxes, packets, wrappers, and the like, Fastening or sealing. E. Colegate. No. 1,076,955; Oct. 28; Gaz. vol. 195; p. 929.
- Boxes, Pneumatic feeding mechanism for automatic machines for making foldable or collapsible berry-. O. C. Fenlason. No. 1,057,815; Apr. 1; Gaz. vol. 189; p. 145.
- Boxing. J. E. Hammers. No. 1,065,801; June 24; Gaz. vol. 191; p. 998.

Alphabetical list of inventions—Continued.

- Brace: *See* Bed-brace; Body-brace; Car-brace; Extension-brace; Fence-post brace; Furniture-brace; Jaw-brace; Knee and ankle brace; Leg-brace; Lever-brace; Locomotive-frame-pedestal brace; Orthopedic brace; Rail-brace; Railway-track rail-brace; Rim-brace; Shaft-brace; Shoulder-brace; Truss-brace; Vehicle top-brace.
- Brace. J. J. Conlin. No. 1,064,130; June 10; Gaz. vol. 191; p. 363.
- Brace. J. Bouska. No. 1,064,605; June 10; Gaz. vol. 191; p. 526.
- Brace and clamp element, Combined. L. Zeman. No. 1,069,511; Aug. 5; Gaz. vol. 193; p. 147.
- Brace construction. J. Pecord. No. 1,070,523; Aug. 19; Gaz. vol. 193; p. 565.
- Brace-socket wrench. W. S. Bellows. No. 1,072,079; Sept. 2; Gaz. vol. 194; p. 140.
- Braces, suspenders, and the like. R. Borberg. No. 1,064,814; June 17; Gaz. vol. 191; p. 631.
- Bracelet. F. Mason. No. 1,051,903; Feb. 4; Gaz. vol. 187; p. 19.
- Bracelet. T. E. Ward. No. 1,051,934; Feb. 4; Gaz. vol. 187; p. 30.
- Bracelet. C. P. Kuehner. No. 1,053,046; Feb. 11; Gaz. vol. 187; p. 442.
- Bracelet. A. Eklund. No. 1,054,401; Feb. 25; Gaz. vol. 187; p. 988.
- Bracelet. A. O. Burgess. No. 1,055,315; Mar. 11; Gaz. vol. 188; p. 258.
- Bracelet. I. Berkowitz. No. 1,055,859; Mar. 11; Gaz. vol. 188; p. 441.
- Bracelet. I. Berkowitz. No. 1,055,860; Mar. 11; Gaz. vol. 188; p. 441.
- Bracelet. I. Berkowitz. No. 1,055,861; Mar. 11; Gaz. vol. 188; p. 441.
- Bracelet. T. W. Foster. No. 1,056,528; Mar. 18; Gaz. vol. 188; p. 705.
- Bracelet. O. L. Gammelgaard. No. 1,059,536; Apr. 22; Gaz. vol. 189; p. 856.
- Bracelet. M. L. Robbins. No. 1,059,564; Apr. 22; Gaz. vol. 189; p. 865.
- Bracelet. F. E. Forsell. No. 1,065,675; June 24; Gaz. vol. 191; p. 956.
- Bracelet. J. Olpp. No. 1,067,671; July 15; Gaz. vol. 192; p. 675.
- Bracelet. T. W. Foster. No. 1,078,272; Nov. 11; Gaz. vol. 196; p. 385.
- Bracelet. C. M. Levy. No. 1,079,354; Nov. 25; Gaz. vol. 196; p. 821.
- Bracelet-joint. N. C. Wallenthin. No. 1,056,074; Mar. 18; Gaz. vol. 188; p. 548.
- Bracelet-link. C. J. Callahan. No. 1,082,473; Dec. 23; Gaz. vol. 197; p. 966.
- Bracelet, neck-chain, &c. F. P. Barney. No. 1,071,131; Aug. 26; Gaz. vol. 193; p. 801.
- Bracelet unit. W. E. Coles. No. 1,077,673; Nov. 4; Gaz. vol. 196; p. 149.
- Bracelets, Watch-holder attachment for. C. H. Mason. No. 1,071,250; Aug. 26; Gaz. vol. 193; p. 841.
- Bracket: *See* Adjustable bracket; Automobile lamp-bracket; Automobile marker-bracket; Awning-arm bracket; Bedstead corner-bracket; Boiler-bracket; Bumper-bracket; Clutch-bracket; Counterpoised bracket; Curtain-bracket; Curtain-pole bracket; Curtain-rod bracket; Dental wall-bracket; Drill-bracket; Electric-light bracket; Extensible bracket; Folding bracket; Gage-bracket; Hanger-bracket; Lamp-bracket; Lantern-bracket; License-bracket; Outlet-box bracket; Scaffolding-bracket; Shade-bracket; Shade and curtain bracket; Shade-roller bracket; Shelf-bracket; Shelf and bar bracket; Shingling-bracket; Supporting-bracket; Telephone-bracket; Wall-bracket.
- Bracket. C. H. Richardson and F. F. Metzger. No. 1,054,241; Feb. 25; Gaz. vol. 187; p. 933.
- Bracket. F. M. Neumann. No. 1,067,937; July 22; Gaz. vol. 192; p. 797.
- Bracket. H. Jensen. No. 1,068,391; July 22; Gaz. vol. 192; p. 953.
- Bracket. J. A. Park. No. 1,071,011; Aug. 19; Gaz. vol. 193; p. 725.
- Bracket. A. W. Browne. No. 1,075,541; Oct. 14; Gaz. vol. 195; p. 356.
- Bracket. W. F. O'Rourke. No. 1,082,549; Dec. 30; Gaz. vol. 197; p. 1027.
- Bracket-holder for flower-vases. S. D. R. Braun. No. 1,074,239; Sept. 30; Gaz. vol. 194; p. 1003.
- Bracket-seat. H. J. Koch. No. 1,068,593; July 29; Gaz. vol. 192; p. 1061.
- Brad for fastening window-glass. G. M. Naumann. No. 1,066,646; July 8; Gaz. vol. 192; p. 289.
- Brads, &c., Setting-tool for. T. M. Price and W. A. Tynes. No. 1,052,846; Feb. 11; Gaz. vol. 187; p. 374.
- Braid-holder and bodkin-carrier, Combined. E. M. Goldsmith. No. 1,054,763; Mar. 4; Gaz. vol. 188; p. 38.
- Braided fabric and making it. H. Z. Cobb. (Reissue.) No. 13,568; May 27; Gaz. vol. 190; p. 999.
- Braider-carrier. S. W. Bourn. No. 1,049,656; Jan. 7; Gaz. vol. 186; p. 117.
- Braiding-machine. E. Rankin. No. 1,058,100; Apr. 8; Gaz. vol. 189; p. 286.
- Braiding-machine. C. E. Traxel. No. 1,058,206; Apr. 8; Gaz. vol. 189; p. 323.
- Braiding-machine. S. W. Wardwell. No. 1,064,407; June 10; Gaz. vol. 191; p. 458.
- Braiding-machine. S. W. Wardwell. No. 1,073,308; Sept. 16; Gaz. vol. 194; p. 635.
- Braiding-machine. O. A. Albrecht. No. 1,073,558; Sept. 16; Gaz. vol. 194; p. 720.
- Braiding-machine. B. S. F. Ell. No. 1,075,342; Oct. 14; Gaz. vol. 195; p. 286.
- Braiding-machine. S. W. Wardwell. No. 1,081,474; Dec. 16; Gaz. vol. 197; p. 602.
- Braiding-machine. S. W. Wardwell. No. 1,082,981; Dec. 30; Gaz. vol. 197; p. 1178.
- Braiding-machine bobbin-carrier. J. E. Chace. No. 1,052,215; Feb. 4; Gaz. vol. 187; p. 129.
- Braiding-machines, Supply-carrier for. S. W. Wardwell. No. 1,072,800; Sept. 9; Gaz. vol. 194; p. 416.
- Brake: *See* Air-brake; Automobile-brake; Auxiliary brake; Band-brake; Car-brake; Coaster-brake; Coaster hub-brake; Coupling-brake; Electric brake; Electromagnetic brake; Electropneumatic brake; Elevator-brake; Elevator automatic brake; Emergency-brake; Empty and load brake; Fluid-brake; Fluid-pressure brake; Friction-brake; Gramophone-brake; Hand and air brake; High-speed brake; Hydraulic recoil-brake; Logging-wheel brake; Marine brake; Railway-brake; Safety-brake; Sewing-machine buffer-brake; Sled-brake; Sleigh-brake; Speed-regulated brake; Spool-brake; Spring-brake; Talking-machine brake; Truck-brake; Vacuum-brake; Vehicle-brake; Vessel-brake; Vessel emergency-brake; Wagon-brake; Wheel-brake.
- Brake. E. B. Sperry and C. L. Merritt. No. 1,053,326; Feb. 18; Gaz. vol. 187; p. 584.
- Brake. J. Gaines. No. 1,067,783; July 15; Gaz. vol. 192; p. 712.
- Brake. R. D. Ralston. No. 1,070,179; Aug. 12; Gaz. vol. 193; p. 405.
- Brake. P. Buda. No. 1,075,814; Oct. 14; Gaz. vol. 195; p. 448.
- Brake. H. Perrot. No. 1,076,311; Oct. 21; Gaz. vol. 195; p. 647.
- Brake. H. C. Marmon. No. 1,078,600; Nov. 11; Gaz. vol. 196; p. 498.
- Brake-actuating mechanism. T. N. Nygren. No. 1,078,107; Nov. 11; Gaz. vol. 196; p. 329.
- Brake and attachment. W. L. Granger. No. 1,080,213; Dec. 2; Gaz. vol. 197; p. 103.
- Brake apparatus. H. F. Bickel and G. O. Hammond. No. 1,052,999; Feb. 11; Gaz. vol. 187; p. 427.
- Brake apparatus. W. H. Jones. No. 1,072,123; Sept. 2; Gaz. vol. 194; p. 155.
- Brake apparatus, Combined automatic emergency and independent. W. V. Turner. No. 1,057,509; Apr. 1; Gaz. vol. 189; p. 39.
- Brake apparatus, High-speed. R. A. Parke. No. 1,057,497; Apr. 1; Gaz. vol. 189; p. 34.
- Brake apparatus, Load-. W. V. Turner. No. 1,075,275; Oct. 7; Gaz. vol. 195; p. 239.
- Brake application and maintenance valve, Engine-. J. R. Snyder. No. 1,064,021; June 10; Gaz. vol. 191; p. 326.
- Brake attachment. K. D. Saulpaw. No. 1,052,281; Feb. 4; Gaz. vol. 187; p. 151.
- Brake attachment, Steel-. J. N. Henderson. No. 1,050,274; Jan. 14; Gaz. vol. 186; p. 358.
- Brake-beam. W. E. Fowler, Jr. No. 1,056,408; Mar. 18; Gaz. vol. 188; p. 659.
- Brake-beam. C. F. Huntoon. No. 1,066,617; July 8; Gaz. vol. 192; p. 278.
- Brake-beam. J. M. Hansen. No. 1,067,810; July 22; Gaz. vol. 192; p. 755.
- Brake-beam. W. E. Fowler, Jr. No. 1,080,510; Dec. 2; Gaz. vol. 197; p. 206.
- Brake-beam fulcrum. P. T. Handiges. No. 1,062,330; May 20; Gaz. vol. 190; p. 678.
- Brake-beam gage. C. H. Williams, Jr. No. 1,078,649; Nov. 18; Gaz. vol. 196; p. 546.
- Brake-beam, Reinforced. J. S. Sheafe. No. 1,060,140; Apr. 29; Gaz. vol. 189; p. 1097.
- Brake-beam strut. W. H. Harrison. No. 1,070,804; Aug. 19; Gaz. vol. 193; p. 659.
- Brake-beam third-point support. E. G. Busse. No. 1,082,495; Dec. 30; Gaz. vol. 197; p. 1007.
- Brake-beam third-point-suspension mount. C. H. Williams, Jr. No. 1,080,741; Dec. 9; Gaz. vol. 197; p. 317.
- Brake-beams, Third suspension for. G. F. Huntoon. No. 1,060,842; May 6; Gaz. vol. 190; p. 96.
- Brake-belt link. I. Coulombe. No. 1,062,442; May 20; Gaz. vol. 190; p. 714.
- Brake control, Elevator-. E. L. Gale, Sr. No. 1,060,836; May 6; Gaz. vol. 190; p. 94.
- Brake-controlling apparatus. A. Magnuson. No. 1,069,070; July 29; Gaz. vol. 192; p. 1226.
- Brake-equalizer. N. W. Kaunitz. No. 1,055,471; Mar. 11; Gaz. vol. 188; p. 312.
- Brake-fastening device, Coaster-. E. Sachs. No. 1,063,069; May 27; Gaz. vol. 190; p. 963.
- Brake-hanger. W. G. Price. No. 1,067,842; July 22; Gaz. vol. 192; p. 765.

Alphabetical list of inventions—Continued.

- Brake-head. E. G. Busse. No. 1,080,889; Dec. 9; Gaz. vol. 197; p. 370.
- Brake-head, Adjustable. C. F. Murray. No. 1,056,358; Mar. 18; Gaz. vol. 188; p. 642.
- Brake-head, Adjustable. P. B. Harrison. No. 1,059,360; Apr. 22; Gaz. vol. 189; p. 795.
- Brake-lever. C. T. Harris. No. 1,067,732; July 15; Gaz. vol. 192; p. 695.
- Brake-lever, Vehicle. A. M. Harris. No. 1,071,736; Sept. 2; Gaz. vol. 194; p. 23.
- Brake-liner fabric and making same. E. B. Knowles. No. 1,053,299; Feb. 18; Gaz. vol. 187; p. 574.
- Brake mechanism. L. R. Killingsworth. No. 1,068,248; July 22; Gaz. vol. 192; p. 904.
- Brake mechanism. G. L. Graham. No. 1,068,425; July 29; Gaz. vol. 192; p. 1004.
- Brake mechanism. T. I. Duffy. No. 1,076,562; Oct. 21; Gaz. vol. 195; p. 736.
- Brake mechanism. T. I. Duffy. No. 1,076,563; Oct. 21; Gaz. vol. 195; p. 737.
- Brake mechanism. T. I. Duffy. No. 1,076,564; Oct. 21; Gaz. vol. 195; p. 737.
- Brake mechanism. H. C. Buhoup. No. 1,081,428; Dec. 16; Gaz. vol. 197; p. 586.
- Brake mechanism, Automatic. W. B. Thomas. No. 1,076,466; Oct. 21; Gaz. vol. 195; p. 702.
- Brake mechanism for motor-vehicles. T. I. Duffy. No. 1,076,561; Oct. 21; Gaz. vol. 195; p. 735.
- Brake mechanism for ore-handling apparatus. F. K. Hoover and A. J. Mason. No. 1,053,509; Feb. 18; Gaz. vol. 187; p. 647.
- Brake mechanism, Hand-actuated. J. S. Y. Fralich. No. 1,066,594; July 8; Gaz. vol. 192; p. 270.
- Brake mechanism, Hand-actuated. R. H. Blackall. No. 1,066,702; July 8; Gaz. vol. 192; p. 309.
- Brake-operating apparatus. E. K. Conover. No. 1,076,100; Oct. 21; Gaz. vol. 195; p. 575.
- Brake-release device, Speed-controlled. W. V. Turner. No. 1,078,019; Nov. 11; Gaz. vol. 196; p. 299.
- Brake-rigging. W. G. Price. No. 1,053,216; Feb. 18; Gaz. vol. 187; p. 545.
- Brake-rigging. W. G. Price. No. 1,064,249; June 10; Gaz. vol. 191; p. 404.
- Brake-rigging. S. C. Collins. No. 1,065,780; June 24; Gaz. vol. 191; p. 991.
- Brake-rigging. W. G. Price. No. 1,070,913; Aug. 19; Gaz. vol. 193; p. 694.
- Brake-rigging, Safety. H. Cook. No. 1,069,391; Aug. 5; Gaz. vol. 193; p. 106.
- Brake-setting mechanism. A. W. Buell. No. 1,063,327; June 3; Gaz. vol. 191; p. 53.
- Brake-shoe. C. W. Kucher. No. 1,051,125; Jan. 21; Gaz. vol. 186; p. 687.
- Brake-shoe. C. V. Marquart. No. 1,054,974; Mar. 4; Gaz. vol. 188; p. 109.
- Brake-shoe. J. J. Kinzer. No. 1,057,849; Apr. 1; Gaz. vol. 189; p. 156.
- Brake-shoe. J. J. Kinzer. No. 1,058,002; Apr. 1; Gaz. vol. 189; p. 207.
- Brake-shoe. C. D. Pettis. No. 1,065,714; June 24; Gaz. vol. 191; p. 969.
- Brake-shoe. C. D. Pettis. No. 1,065,715; June 24; Gaz. vol. 191; p. 969.
- Brake-shoe. C. D. Pettis. No. 1,065,716; June 24; Gaz. vol. 191; p. 970.
- Brake-shoe. C. D. Pettis. No. 1,065,717; June 24; Gaz. vol. 191; p. 970.
- Brake-shoe. C. D. Pettis. No. 1,065,718; June 24; Gaz. vol. 191; p. 970.
- Brake-shoe. C. D. Pettis. No. 1,065,719; June 24; Gaz. vol. 191; p. 970.
- Brake-shoe. C. D. Pettis. No. 1,065,720; June 24; Gaz. vol. 191; p. 971.
- Brake-shoe. C. D. Pettis. No. 1,065,721; June 24; Gaz. vol. 191; p. 971.
- Brake-shoe. A. L. Streeter. No. 1,076,922; Oct. 28; Gaz. vol. 195; p. 917.
- Brake-shoe. W. C. Fisher. No. 1,078,039; Nov. 11; Gaz. vol. 196; p. 305.
- Brake-shoe. W. C. Fisher. No. 1,078,040; Nov. 11; Gaz. vol. 196; p. 306.
- Brake-shoe. W. C. Fisher. No. 1,078,041; Nov. 11; Gaz. vol. 196; p. 306.
- Brake-shoe. W. A. Lovelis. No. 1,078,866; Nov. 18; Gaz. vol. 196; p. 624.
- Brake-shoe. B. A. Johnson. No. 1,081,046; Dec. 9; Gaz. vol. 197; p. 420.
- Brake-shoe. W. Gilmour. No. 1,082,462; Dec. 23; Gaz. vol. 197; p. 962.
- Brake-shoe and reinforcing-back therefor. J. D. Gallagher. No. 1,070,447; Aug. 19; Gaz. vol. 193; p. 538.
- Brake-shoe and supporting means therefor. J. D. Gallagher. No. 1,079,001; Nov. 18; Gaz. vol. 196; p. 670.
- Brake-shoe, Composition-filled. H. Jones. No. 1,074,366; Sept. 30; Gaz. vol. 194; p. 1045.
- Brake-shoe, Composition-filled. H. Jones. No. 1,082,158; Dec. 23; Gaz. vol. 197; p. 858.
- Brake-shoe, Composition-filled. J. D. Gallagher and H. Jones. No. 1,082,266; Dec. 23; Gaz. vol. 197; p. 898.
- Brake-shoe, Flanged. H. Jones. No. 1,066,119; July 1; Gaz. vol. 192; p. 76.
- Brake-shoe keys, Producing. H. C. Osterblind. No. 1,065,267; June 17; Gaz. vol. 191; p. 778.
- Brake-shoe, Reinforced. J. Cook. No. 1,063,777; June 3; Gaz. vol. 191; p. 210.
- Brake-shoe, Reinforced. J. J. Morse. No. 1,075,848; Oct. 14; Gaz. vol. 195; p. 460.
- Brake-shoe, Sectional. B. D. Vye. No. 1,050,408; Jan. 14; Gaz. vol. 186; p. 404.
- Brake-shoe, Self-adjusting. A. L. Goodknight. No. 1,073,038; Sept. 9; Gaz. vol. 194; p. 502.
- Brake-shoes, Back for. G. Cook. No. 1,074,352; Sept. 30; Gaz. vol. 194; p. 1040.
- Brake-shoes, Brake-head and securing-key for. H. Jones. No. 1,068,664; July 29; Gaz. vol. 192; p. 1086.
- Brake systems, Slack-adjuster for automatic. W. H. Sauvage. No. 1,062,666; May 27; Gaz. vol. 190; p. 831.
- Brake-valve device. W. V. Turner and W. M. Cady. No. 1,078,020; Nov. 11; Gaz. vol. 196; p. 299.
- Brake-valve device, Automatic. W. V. Turner. No. 1,078,021; Nov. 11; Gaz. vol. 196; p. 299.
- Brakes by hand for railway purposes, Mechanism for operating wheel. R. F. Colborne. No. 1,075,012; Oct. 7; Gaz. vol. 195; p. 144.
- Brakes, Pressure-retaining mechanism for fluid-pressure. C. A. Baker. No. 1,058,136; Apr. 8; Gaz. vol. 189; p. 299.
- Braking mechanism, Vehicle. T. V. Buckwalter. No. 1,058,719; Apr. 15; Gaz. vol. 189; p. 535.
- Braking system, Electropneumatic. W. C. Myers. No. 1,081,550; Dec. 16; Gaz. vol. 197; p. 628.
- Brander, Animal. M. V. Hayes. No. 1,063,539; June 3; Gaz. vol. 191; p. 124.
- Branding casks and similar articles, Device for. E. Uhlmann. No. 1,057,689; Apr. 1; Gaz. vol. 189; p. 100.
- Branding device. M. W. Meyer. No. 1,068,803; July 29; Gaz. vol. 192; p. 1135.
- Branding-machine. T. Nygaard. No. 1,059,311; Apr. 15; Gaz. vol. 189; p. 741.
- Branding-machine. H. W. Colby and C. Sippel. No. 1,079,313; Nov. 18; Gaz. vol. 196; p. 776.
- Brassière. G. Keitel. No. 1,082,085; Dec. 23; Gaz. vol. 197; p. 836.
- Brassière and princess-slip, One-piece. A. Helmlich. No. 1,068,429; July 29; Gaz. vol. 192; p. 1005.
- Brazing-burner. W. W. Kemp and W. H. Van Horn. No. 1,066,915; July 8; Gaz. vol. 192; p. 381.
- Bread and butter cutting machine. S. D. Williams and H. C. Sanders. No. 1,070,217; Aug. 12; Gaz. vol. 193; p. 418.
- Bread and toast cutting machine. P. A. Bondeson. No. 1,082,926; Dec. 30; Gaz. vol. 197; p. 1160.
- Bread, Apparatus for the manufacture of. G. Lunt. No. 1,071,164; Aug. 26; Gaz. vol. 193; p. 811.
- Bread-board. E. S. Bennett. No. 1,053,147; Feb. 18; Gaz. vol. 187; p. 522.
- Bread-board. A. Golden. No. 1,076,882; Oct. 28; Gaz. vol. 195; p. 903.
- Bread-cutter. J. Moral. No. 1,051,509; Jan. 28; Gaz. vol. 186; p. 849.
- Bread-cutter. W. E. Hanson and T. L. Green. No. 1,072,003; Sept. 2; Gaz. vol. 194; p. 115.
- Bread cutter, Altar. M. Mighirian. No. 1,076,384; Oct. 21; Gaz. vol. 195; p. 672.
- Bread machine, Shingle. L. Brensdal. No. 1,055,129; Mar. 4; Gaz. vol. 188; p. 161.
- Bread-making machine. G. Beck. No. 1,055,600; Mar. 11; Gaz. vol. 188; p. 353.
- Bread-making machine. T. Frischmann. No. 1,057,231; Mar. 25; Gaz. vol. 188; p. 975.
- Bread-making plant. C. E. and J. E. Pointon. No. 1,062,795; May 27; Gaz. vol. 190; p. 873.
- Bread-mixer cabinet. E. J. Sammis. No. 1,074,470; Sept. 30; Gaz. vol. 194; p. 1080.
- Bread or dough cutter. M. Devine. No. 1,081,099; Dec. 9; Gaz. vol. 197; p. 436.
- Bread-pan. J. E. Leamann. (Reissue.) No. 13,516; Jan. 21; Gaz. vol. 186; p. 772.
- Bread, Preserving. O. Bitter. No. 1,081,945; Dec. 23; Gaz. vol. 197; p. 786.
- Bread-rack. I. B. Golden. No. 1,072,000; Sept. 2; Gaz. vol. 194; p. 114.
- Bread-server, Automatic sanitary. R. Lewis and J. M. Kinneman. No. 1,064,503; June 10; Gaz. vol. 191; p. 492.
- Bread-wrapping machine. T. B. Dooley and H. A. Sévigné. No. 1,064,964; June 17; Gaz. vol. 191; p. 680.
- Breaker and proportional unloader, Combined vacuum. C. Wainwright. No. 1,081,174; Dec. 9; Gaz. vol. 197; p. 462.
- Breast-holder. J. Vacek. No. 1,075,449; Oct. 14; Gaz. vol. 195; p. 325.
- Breast-supporter. M. L. Volk. No. 1,067,289; July 15; Gaz. vol. 192; p. 546.
- Breath-deflector. J. A. McClure. No. 1,051,843; Jan. 28; Gaz. vol. 186; p. 960.
- Breath deflector or guard. J. E. Cooper. No. 1,077,042; Oct. 28; Gaz. vol. 195; p. 959.

Alphabetical list of inventions—Continued.

- Breathing apparatus, Artificial. J. H. Dräger. No. 1,049,346; Jan. 7; Gaz. vol. 186; p. 10.
- Breathing appliance. W. Longeway. No. 1,078,364; Nov. 11; Gaz. vol. 196; p. 419.
- Breathing, Device for promoting deep. C. F. and J. P. Dickman. No. 1,074,846; Oct. 7; Gaz. vol. 195; p. 88.
- Breech mechanism. A. W. Schwarzklose. No. 1,077,166; Oct. 28; Gaz. vol. 195; p. 996.
- Breech mechanism, Wedge-block. M. Hermsdorf. No. 1,072,456; Sept. 9; Gaz. vol. 194; p. 296.
- Breeches and leggings, Combined. M. Cowen. No. 1,082,737; Dec. 30; Gaz. vol. 197; p. 1094.
- Breeches, Riding. D. J. Breslin. No. 1,066,881; July 8; Gaz. vol. 192; p. 368.
- Brick. W. H. Watts. No. 1,056,136; Mar. 18; Gaz. vol. 188; p. 569.
- Brick. J. G. Barbour. No. 1,070,870; Aug. 19; Gaz. vol. 193; p. 680.
- Brick and tile mold. W. J. Volz. No. 1,068,613; July 29; Gaz. vol. 192; p. 1069.
- Brick, Apparatus for facilitating the burning of. J. H. Bach. No. 1,071,014; Aug. 26; Gaz. vol. 193; p. 761.
- Brick-cleaning machine. A. R. Christman. No. 1,082,306; Dec. 23; Gaz. vol. 197; p. 913.
- Brick-conveyer. W. Bomhoff. No. 1,068,624; July 29; Gaz. vol. 192; p. 1072.
- Brick-handling apparatus. R. C. Penfield. No. 1,055,490; Mar. 11; Gaz. vol. 188; p. 318.
- Brick-kiln. P. B. Vredenburg. No. 1,067,083; July 8; Gaz. vol. 192; p. 436.
- Brick-kiln. J. R. Smith. No. 1,069,487; Aug. 5; Gaz. vol. 193; p. 140.
- Brick-kiln. C. E. and J. S. Scholl. No. 1,081,335; Dec. 16; Gaz. vol. 197; p. 555.
- Brick-machine. J. W. Moltz. No. 1,074,638; Oct. 7; Gaz. vol. 195; p. 18.
- Brick-machines, Cut-off mechanism for. H. K. King. No. 1,077,226; Oct. 28; Gaz. vol. 195; p. 1016.
- Brick-machines, Cutting-wire support for. J. F. Morgal. No. 1,066,434; July 1; Gaz. vol. 192; p. 183.
- Brick, Manufacturing light fire. M. Hanabusa. No. 1,074,618; Oct. 7; Gaz. vol. 195; p. 10.
- Brick-mason's steel trig. C. A. Lake. No. 1,080,836; Dec. 9; Gaz. vol. 197; p. 353.
- Brick-pallet. A. J. and F. Bentley. No. 1,064,811; June 17; Gaz. vol. 191; p. 630.
- Brick-presser with double compression. J. A. Vannylen. No. 1,056,959; Mar. 25; Gaz. vol. 188; p. 881.
- Brick, Spinel fire. C. A. Mankau. No. 1,075,659; Oct. 14; Gaz. vol. 195; p. 397.
- Brick, Treating. A. A. Scott. No. 1,054,041; Feb. 25; Gaz. vol. 187; p. 864.
- Brick-treating apparatus. A. A. Scott. No. 1,054,040; Feb. 25; Gaz. vol. 187; p. 863.
- Bricks, Drying. J. C. Boss. No. 1,072,302; Sept. 2; Gaz. vol. 194; p. 213.
- Bricks, Handling. R. C. Penfield. No. 1,051,001; Jan. 21; Gaz. vol. 186; p. 645.
- Bricks with closed ends, Apparatus for manufacturing. W. Schlenning. No. 1,063,071; May 27; Gaz. vol. 190; p. 964.
- Bricklayer's gage-line. W. O. Smyth. No. 1,075,166; Oct. 7; Gaz. vol. 195; p. 198.
- Brickmaking composition. W. L. Jones. No. 1,054,002; Feb. 25; Gaz. vol. 187; p. 851.
- Brickmaking-machine. E. R. Q. Gibson. No. 1,066,897; July 8; Gaz. vol. 192; p. 375.
- Bridge. S. Sanna. No. 1,052,971; Feb. 11; Gaz. vol. 187; p. 417.
- Bridge. J. T. Trujillo. No. 1,064,876; June 17; Gaz. vol. 191; p. 651.
- Bridge. H. E. Matteson. No. 1,067,616; July 15; Gaz. vol. 192; p. 655.
- Bridge-collar pad. S. E. Harsh. No. 1,063,257; June 3; Gaz. vol. 191; p. 29.
- Bridge construction. H. Friend. No. 1,052,048; Feb. 4; Gaz. vol. 187; p. 71.
- Bridge construction. H. Friend. No. 1,074,941; Oct. 7; Gaz. vol. 195; p. 120.
- Bridge-gate. J. L. Harrington. No. 1,067,169; July 8; Gaz. vol. 192; p. 467.
- Bridge gate, Draw. A. Lichtfuss. No. 1,055,194; Mar. 4; Gaz. vol. 188; p. 181.
- Bridge, Lift. J. A. L. Waddell and J. L. Harrington. No. 1,049,422; Jan. 7; Gaz. vol. 186; p. 36.
- Bridge or ferry. J. P. M. M. Christensen. No. 1,073,794; Sept. 23; Gaz. vol. 194; p. 824.
- Bridge-pier and means for and method of constructing the same, Deep-water. A. C. Rush. No. 1,079,517; Nov. 25; Gaz. vol. 196; p. 876.
- Bridge-plank support. F. L. Doeblin. No. 1,057,997; Apr. 1; Gaz. vol. 189; p. 205.
- Bridle attachment. G. A. Peelman. No. 1,052,749; Feb. 11; Gaz. vol. 187; p. 339.
- Bridle attachment. G. A. Laub. No. 1,082,598; Dec. 30; Gaz. vol. 197; p. 1045.
- Bridle-bit. C. H. Falls. No. 1,060,240; Apr. 29; Gaz. vol. 189; p. 1132.
- Bridle-bit. W. S. Tevis, Jr. No. 1,062,747; May 27; Gaz. vol. 190; p. 856.
- Bridle-bit. G. W. Cahill. No. 1,070,771; Aug. 19; Gaz. vol. 193; p. 649.
- Bridle-bit. W. H. Niemann. No. 1,076,442; Oct. 21; Gaz. vol. 195; p. 694.
- Bridle-bit. H. W. Brown. No. 1,076,946; Oct. 28; Gaz. vol. 195; p. 926.
- Bridle-bit. J. Beery. No. 1,078,987; Nov. 18; Gaz. vol. 196; p. 665.
- Bridle-blind, Detachable. F. Reitmeier. No. 1,067,680; July 15; Gaz. vol. 192; p. 678.
- Bridle-crown. C. F. Strecker. No. 1,071,478; Aug. 26; Gaz. vol. 193; p. 916.
- Bridle, Harness. G. L. Forman. No. 1,073,973; Sept. 23; Gaz. vol. 194; p. 885.
- Bridle, Harness. G. L. Forman. No. 1,073,974; Sept. 23; Gaz. vol. 194; p. 886.
- Bridle, Harness. G. L. Forman. No. 1,073,975; Sept. 23; Gaz. vol. 194; p. 886.
- Brines, Refining potash-bearing. C. E. Dolbear. No. 1,058,684; Apr. 8; Gaz. vol. 189; p. 486.
- Briquet and making the same. B. E. Gamble. (Reissue.) No. 13,590; July 8; Gaz. vol. 192; p. 489.
- Briquet-making machine. V. Souček. No. 1,054,464; Feb. 25; Gaz. vol. 187; p. 1008.
- Briquet-press. F. W. Bartlett. No. 1,057,029; Mar. 25; Gaz. vol. 188; p. 906.
- Briquets, Making. O. Kippe. No. 1,078,544; Nov. 11; Gaz. vol. 196; p. 479.
- Briquets of fragments of metal, Composition of matter for making. C. G. Alton. No. 1,075,135; Oct. 7; Gaz. vol. 195; p. 188.
- Bristle-tuft holder. D. L. Chandler. No. 1,049,341; Jan. 7; Gaz. vol. 186; p. 8.
- Broaching-die. W. R. Walker. No. 1,070,561; Aug. 19; Gaz. vol. 193; p. 579.
- Broiler. H. Noreck. No. 1,057,449; Apr. 1; Gaz. vol. 189; p. 19.
- Broiler. P. E. Gannon. No. 1,083,206; Dec. 30; Gaz. vol. 197; p. 1247.
- Broiler and oven, Combined. S. L. Richards. No. 1,077,556; Nov. 4; Gaz. vol. 196; p. 110.
- Broiler-pan. J. E. Buckley. No. 1,069,107; Aug. 5; Gaz. vol. 193; p. 6.
- Broiler, Smokeless. J. F. Connolly. No. 1,069,390; Aug. 5; Gaz. vol. 193; p. 106.
- Bromin or bromids, Production of. F. I. Du Pont. No. 1,064,460; June 10; Gaz. vol. 191; p. 478.
- Bronze, &c., Apparatus for applying. J. L. Moore and O. J. McKee. No. 1,068,915; July 29; Gaz. vol. 192; p. 1175.
- Bronzing-machine. W. B. Foster. No. 1,068,882; July 29; Gaz. vol. 192; p. 1164.
- Bronzing-machines, Apparatus for feeding sheets to. J. W. Robertson and A. W. A. E. Veillard. No. 1,060,027; Apr. 29; Gaz. vol. 189; p. 1060.
- Brooch-pin. A. Courvoisier, Jr. No. 1,049,457; Jan. 7; Gaz. vol. 186; p. 48.
- Brooder. M. Trewhitt. No. 1,051,784; Jan. 28; Gaz. vol. 186; p. 939.
- Brooder. J. A. Elliott. No. 1,072,217; Sept. 2; Gaz. vol. 194; p. 186.
- Brooder. J. A. Gardner. No. 1,078,344; Nov. 11; Gaz. vol. 196; p. 412.
- Brooder. J. W. Morris. No. 1,078,547; Nov. 11; Gaz. vol. 196; p. 480.
- Brooder. J. A. Clark. No. 1,081,811; Dec. 16; Gaz. vol. 197; p. 713.
- Brooder, Fireless. N. P. E. Ellegaard. No. 1,082,116; Dec. 23; Gaz. vol. 197; p. 845.
- Brooder-house ventilator. C. W. Brick. No. 1,063,769; June 3; Gaz. vol. 191; p. 207.
- Brooder, Metallic fireless. E. W. Philo. No. 1,083,028; Dec. 30; Gaz. vol. 197; p. 1193.
- Brooder or poultry-house heater. G. H. Kichline and F. J. Studer. No. 1,057,348; Mar. 25; Gaz. vol. 188; p. 1013.
- Brooder, Poultry. C. Delay. No. 1,079,545; Nov. 25; Gaz. vol. 196; p. 886.
- Brooders and incubators, Heating system for sectionalized. H. Hohoff. No. 1,076,576; Oct. 21; Gaz. vol. 195; p. 741.
- Broom. C. Dauwalter. No. 1,049,459; Jan. 7; Gaz. vol. 186; p. 48.
- Broom. J. L. Pate. No. 1,051,819; Jan. 28; Gaz. vol. 186; p. 951.
- Broom. D. N. Jacobs. No. 1,056,685; Mar. 18; Gaz. vol. 188; p. 756.
- Broom. F. P. McCoig. No. 1,057,866; Apr. 1; Gaz. vol. 189; p. 162.
- Broom. W. J. Hope. No. 1,063,797; June 3; Gaz. vol. 191; p. 217.
- Broom. E. A. and I. W. Williamson. No. 1,064,271; June 10; Gaz. vol. 191; p. 411.
- Broom. L. M. Sartain. No. 1,070,071; Aug. 12; Gaz. vol. 193; p. 366.
- Broom and cloth hanger, Combined. W. R. Ussery and E. J. Cook. No. 1,061,150; May 6; Gaz. vol. 190; p. 202.
- Broom attachment. W. L. Hooks. No. 1,052,252; Feb. 4; Gaz. vol. 187; p. 141.

Alphabetical list of inventions—Continued.

- Broom attachment. A. Leighton. No. 1,055,927; Mar. 11; Gaz. vol. 188; p. 462.
- Broom attachment. A. McDonald. No. 1,061,486; May 13; Gaz. vol. 190; p. 352.
- Broom attachment. A. McDonald. No. 1,080,572; Dec. 9; Gaz. vol. 197; p. 259.
- Broom-bridle. G. F. Schabl. No. 1,055,421; Mar. 11; Gaz. vol. 188; p. 295.
- Broom-bridle. M. C. Adams. No. 1,060,877; May 6; Gaz. vol. 190; p. 108.
- Broom-bridle. A. D. Fiveshilling. No. 1,061,735; May 13; Gaz. vol. 190; p. 440.
- Broom-bridle. F. D. Arnold. No. 1,064,188; June 10; Gaz. vol. 191; p. 384.
- Broom-bridle. B. Quesnoy. No. 1,071,345; Aug. 26; Gaz. vol. 193; p. 873.
- Broom-bridle. C. A. Case. No. 1,082,497; Dec. 30; Gaz. vol. 197; p. 1007.
- Broom-corn-cleaning machine. E. Cory. No. 1,064,617; June 10; Gaz. vol. 191; p. 529.
- Broom-corn-evening machine. H. H. Curtis. No. 1,076,025; Oct. 21; Gaz. vol. 195; p. 549.
- Broom dust-collecting attachment. S. P. Low. No. 1,082,128; Dec. 23; Gaz. vol. 197; p. 849.
- Broom-hanger. J. N. Oveson. No. 1,075,933; Oct. 14; Gaz. vol. 195; p. 489.
- Broom-head. H. Hampton. No. 1,069,873; Aug. 12; Gaz. vol. 193; p. 301.
- Broom-head. E. J. Kiras. No. 1,071,320; Aug. 26; Gaz. vol. 193; p. 864.
- Broom-head holder. W. M. Christopher. No. 1,076,347; Oct. 21; Gaz. vol. 195; p. 660.
- Broom-holder. W. S. Watkins. No. 1,051,471; Jan. 28; Gaz. vol. 186; p. 836.
- Broom-holder. G. Else. No. 1,062,774; May 27; Gaz. vol. 190; p. 865.
- Broom-holder. N. Faucher. No. 1,071,222; Aug. 26; Gaz. vol. 193; p. 832.
- Broom, &c., holder. A. L. Ross. No. 1,053,747; Feb. 18; Gaz. vol. 187; p. 729.
- Broom-making chuck. E. J. Powers. No. 1,054,238; Feb. 25; Gaz. vol. 187; p. 932.
- Broom-making machine. G. W. Manning. No. 1,053,192; Feb. 18; Gaz. vol. 187; p. 536.
- Broom or mop holder. G. G. Hakes. No. 1,081,381; Dec. 16; Gaz. vol. 197; p. 571.
- Broom-scoop collector. R. Wylie. No. 1,071,494; Aug. 26; Gaz. vol. 193; p. 921.
- Broom, Stable and street. J. W. Berry. No. 1,069,379; Aug. 5; Gaz. vol. 193; p. 103.
- Brush. A. G. Carling. No. 1,052,312; Feb. 4; Gaz. vol. 187; p. 159.
- Brush. H. A. Hanson. No. 1,057,639; Apr. 1; Gaz. vol. 189; p. 83.
- Brush. J. Gierl. No. 1,058,425; Apr. 8; Gaz. vol. 189; p. 400.
- Brush. J. E. Sargent. No. 1,060,029; Apr. 29; Gaz. vol. 189; p. 1061.
- Brush. T. M. Ellis. No. 1,061,276; May 13; Gaz. vol. 190; p. 280.
- Brush. C. Burger. No. 1,061,814; May 13; Gaz. vol. 190; p. 461.
- Brush. R. de Sennevoy. No. 1,062,041; May 20; Gaz. vol. 190; p. 580.
- Brush. R. J. Montgomery. No. 1,063,279; June 3; Gaz. vol. 191; p. 38.
- Brush. F. W. Cocker. No. 1,064,444; June 10; Gaz. vol. 191; p. 472.
- Brush. M. W. Alexander and J. W. Bradshaw. No. 1,066,361; July 1; Gaz. vol. 192; p. 161.
- Brush. G. Thomas. No. 1,068,372; July 22; Gaz. vol. 192; p. 947.
- Brush. A. Vanderveld. No. 1,070,860; Aug. 19; Gaz. vol. 193; p. 677.
- Brush. A. Gerhold. No. 1,071,614; Aug. 26; Gaz. vol. 193; p. 962.
- Brush. W. B. Foster and A. H. Duwelius. No. 1,072,322; Sept. 2; Gaz. vol. 194; p. 219.
- Brush. A. L. Holtzman. No. 1,077,071; Oct. 28; Gaz. vol. 195; p. 969.
- Brush. W. H. Mills. No. 1,077,851; Nov. 4; Gaz. vol. 196; p. 208.
- Brush. G. L. Rogers. No. 1,078,556; Nov. 11; Gaz. vol. 196; p. 483.
- Brush. G. C. Bemis. No. 1,082,922; Dec. 30; Gaz. vol. 197; p. 1159.
- Brush and comb, Combination. G. Barclay, Sr. No. 1,057,028; Mar. 25; Gaz. vol. 188; p. 906.
- Brush and comb, Combined hair-. J. T. Sutton. No. 1,065,745; June 24; Gaz. vol. 191; p. 979.
- Brush and comb holder, Combination. C. D. Paterson. No. 1,055,488; Mar. 11; Gaz. vol. 188; p. 317.
- Brush and holder, Combined tooth-. W. P. Welch. No. 1,052,539; Feb. 11; Gaz. vol. 187; p. 269.
- Brush and mop, Combination scrub-. E. W. Barnwell. No. 1,059,427; Apr. 22; Gaz. vol. 189; p. 819.
- Brush and polish-feeding device, Combined. E. Johnson. No. 1,067,924; July 22; Gaz. vol. 192; p. 792.
- Brush and prophylactic container, Combined tooth-. D. C. Funcke. No. 1,062,961; May 27; Gaz. vol. 190; p. 928.
- Brush and soap-holder, Combined shaving-. A. D. Methven. No. 1,054,229; Feb. 25; Gaz. vol. 187; p. 929.
- Brush attachment, Shoe-. J. E. Kenkel. No. 1,063,129; May 27; Gaz. vol. 190; p. 982.
- Brush attachment, Tooth-. N. E. Larocque. No. 1,062,480; May 20; Gaz. vol. 190; p. 727.
- Brush, Bath-. A. W. Halstead. No. 1,064,641; June 10; Gaz. vol. 191; p. 537.
- Brush, Bathing-. J. H. Pride. No. 1,061,566; May 13; Gaz. vol. 190; p. 382.
- Brush, Blacking-. L. F. Wolfe. No. 1,060,524; Apr. 29; Gaz. vol. 189; p. 1232.
- Brush-blank. J. H. Abbott. No. 1,054,161; Feb. 25; Gaz. vol. 187; p. 905.
- Brush, Bottle-. C. E. Reichert and M. Veeck. No. 1,055,981; Mar. 11; Gaz. vol. 188; p. 481.
- Brush, Bottle-cleaning. G. Knoke. No. 1,074,875; Oct. 7; Gaz. vol. 195; p. 97.
- Brush-bridle. J. Mander. No. 1,064,508; June 10; Gaz. vol. 191; p. 493.
- Brush-cleaner. E. B. Stanley. No. 1,069,350; Aug. 5; Gaz. vol. 193; p. 92.
- Brush, Cleaning-. C. Benton. No. 1,063,847; June 3; Gaz. vol. 191; p. 233.
- Brush control. M. Vandal. No. 1,080,390; Dec. 2; Gaz. vol. 197; p. 168.
- Brush-cutter. J. H. Hauser. No. 1,058,970; Apr. 15; Gaz. vol. 189; p. 625.
- Brush-cutter. I. H. Olson, T. A. Rorem, and J. H. Hill. No. 1,063,176; May 27; Gaz. vol. 190; p. 999.
- Brush-cutting machine. J. R. Eagle. No. 1,068,576; July 29; Gaz. vol. 192; p. 1055.
- Brush, Electric hair-. V. Sence. No. 1,052,522; Feb. 11; Gaz. vol. 187; p. 264.
- Brush, Folding. F. Brübacher. No. 1,063,411; June 3; Gaz. vol. 191; p. 82.
- Brush for collecting the dust produced during the cleaning of cards of spinning-mills, Cleaning-. G. Fauquet. No. 1,071,035; Aug. 26; Gaz. vol. 193; p. 768.
- Brush, Fountain-. G. W. Happle and H. May. No. 1,049,863; Jan. 7; Gaz. vol. 186; p. 186.
- Brush, Fountain-. R. Verbeke. No. 1,051,292; Jan. 21; Gaz. vol. 186; p. 742.
- Brush, Fountain-. G. W. Harnes and L. S. Adams. No. 1,051,328; Jan. 21; Gaz. vol. 186; p. 754.
- Brush, Fountain-. M. H. Shanley. No. 1,055,564; Mar. 11; Gaz. vol. 188; p. 341.
- Brush, Fountain-. W. C. Wells. No. 1,060,046; Apr. 29; Gaz. vol. 189; p. 1067.
- Brush, Fountain-. F. A. Burkhart. No. 1,060,159; Apr. 29; Gaz. vol. 189; p. 1104.
- Brush, Fountain-. J. L. Hooker. No. 1,065,610; June 24; Gaz. vol. 191; p. 934.
- Brush, Fountain-. C. R. Baender. No. 1,065,901; June 24; Gaz. vol. 191; p. 1032.
- Brush, Fountain-. J. B. Fesler. No. 1,067,596; July 15; Gaz. vol. 192; p. 649.
- Brush, Fountain-. C. W. West. No. 1,068,719; July 29; Gaz. vol. 192; p. 1105.
- Brush, Fountain-. W. G. Seiler. No. 1,071,471; Aug. 26; Gaz. vol. 193; p. 914.
- Brush, Fountain-. W. F. Moss. No. 1,080,574; Dec. 9; Gaz. vol. 197; p. 260.
- Brush, Fountain-. W. F. Ziegler. No. 1,080,669; Dec. 9; Gaz. vol. 197; p. 291.
- Brush, Fountain-. H. L. Larsen. No. 1,081,680; Dec. 16; Gaz. vol. 197; p. 667.
- Brush, Fountain-. F. Schreidt. No. 1,082,288; Dec. 23; Gaz. vol. 197; p. 906.
- Brush, Fountain-. H. H. Wurfschmidt. No. 1,082,839; Dec. 30; Gaz. vol. 197; p. 1129.
- Brush, Fountain-. L. D. Falkenstein. No. 1,083,071; Dec. 30; Gaz. vol. 197; p. 1207.
- Brush, Fountain blacking-. M. W. Nelson. No. 1,074,522; Sept. 30; Gaz. vol. 194; p. 1095.
- Brush, Fountain shaving-. D. H. Hawes. No. 1,056,538; Mar. 18; Gaz. vol. 188; p. 708.
- Brush, Fountain tooth-. H. C. La Mar. No. 1,065,256; June 17; Gaz. vol. 191; p. 775.
- Brush, Gin-. F. P. Wortman. No. 1,069,366; Aug. 5; Gaz. vol. 193; p. 97.
- Brush-handle. J. L. Ford. No. 1,073,034; Sept. 9; Gaz. vol. 194; p. 501.
- Brush, Hat-. H. J. Trah. No. 1,077,654; Nov. 4; Gaz. vol. 196; p. 143.
- Brush-holder. S. E. Spafford. No. 1,058,203; Apr. 8; Gaz. vol. 189; p. 322.
- Brush-holder. W. P. Brown. No. 1,060,533; Apr. 29; Gaz. vol. 189; p. 1236.
- Brush-holder. H. J. Conklin. No. 1,073,568; Sept. 16; Gaz. vol. 194; p. 723.
- Brush holder and sterilizer, Tooth-. G. G. Moseley and A. C. Cameron. No. 1,051,433; Jan. 28; Gaz. vol. 186; p. 823.
- Brush holder and sterilizer, Tooth-. J. H. Trayne. No. 1,070,858; Aug. 19; Gaz. vol. 193; p. 676.

Alphabetical list of inventions—Continued.

- Brush holder, Hat-. G. A. Fredrickson. No. 1,056,656; Mar. 18; Gaz. vol. 188; p. 747.
- Brush holder, Sanitary tooth-. W. O. Bloom. No. 1,049,654; Jan. 7; Gaz. vol. 186; p. 116.
- Brush holder, Tooth-. W. L. Smith. No. 1,050,864; Jan. 21; Gaz. vol. 186; p. 596.
- Brush holder, Tooth-. W. S. Breeden. No. 1,061,976; May 20; Gaz. vol. 190; p. 558.
- Brush holder, Tooth-. H. W. Sorensen. No. 1,071,966; Sept. 2; Gaz. vol. 194; p. 101.
- Brush holder, Tooth-. J. H. Trayne. No. 1,079,618; Nov. 25; Gaz. vol. 196; p. 913.
- Brush-holding rack. H. T. Gettins. No. 1,057,541; Apr. 1; Gaz. vol. 189; p. 49.
- Brush hook, Paint-. F. S. Graham. No. 1,058,578; Apr. 8; Gaz. vol. 189; p. 450.
- Brush keeper, Paint-. C. G. Oleson. No. 1,050,381; Jan. 14; Gaz. vol. 186; p. 395.
- Brush, Laminated contact-. C. Ambruster. No. 1,078,656; Nov. 18; Gaz. vol. 196; p. 549.
- Brush-machines, Bristle-bed for. A. Vanderveld. No. 1,070,861; Aug. 19; Gaz. vol. 193; p. 677.
- Brush-making machine. A. Vanderveld. No. 1,053,498; Apr. 8; Gaz. vol. 189; p. 424.
- Brush-making machine. A. Vanderveld. No. 1,058,499; Apr. 8; Gaz. vol. 189; p. 424.
- Brush-making machine. E. N. Gaudron. No. 1,072,326; Sept. 2; Gaz. vol. 194; p. 221.
- Brush-making-machine drilling and filling attachment. K. Winkler. No. 1,081,709; Dec. 16; Gaz. vol. 197; p. 677.
- Brush-making machines, Bristle-feeding attachment for. K. Winkler. No. 1,074,399; Sept. 30; Gaz. vol. 194; p. 1056.
- Brush, Massage shaving-. W. Morrison. No. 1,080,919; Dec. 9; Gaz. vol. 197; p. 381.
- Brush, Pneumatic. I. Chaimovitsch. No. 1,076,549; Oct. 21; Gaz. vol. 195; p. 731.
- Brush receptacle, Antiseptic tooth-. E. Fowler. No. 1,074,169; Sept. 30; Gaz. vol. 194; p. 980.
- Brush, Rotary. F. Schrey and O. Oesterreicher. No. 1,050,489; Jan. 14; Gaz. vol. 186; p. 434.
- Brush, Rotary. M. X. Gardner. No. 1,059,858; Apr. 22; Gaz. vol. 189; p. 959.
- Brush, Rotary tooth-. H. T. Lipscomb. No. 1,050,282; Jan. 14; Gaz. vol. 186; p. 360.
- Brush, Sanitary. Y. Okamiya. No. 1,057,450; Apr. 1; Gaz. vol. 189; p. 19.
- Brush, Sanitary shaving-. N. Ellis. No. 1,056,650; Mar. 18; Gaz. vol. 188; p. 745.
- Brush, Sanitary shaving-. N. Ellis. No. 1,063,020; May 27; Gaz. vol. 190; p. 946.
- Brush, Shampoo-. H. N. Strong. No. 1,062,053; May 20; Gaz. vol. 190; p. 583.
- Brush, Shaving-. J. C. Morgan. No. 1,051,815; Jan. 28; Gaz. vol. 186; p. 950.
- Brush, Shaving-. F. J. Munro. No. 1,054,709; Mar. 4; Gaz. vol. 188; p. 18.
- Brush, Shaving-. E. T. Krebs. No. 1,065,879; June 24; Gaz. vol. 191; p. 1025.
- Brush, Shaving-. F. J. McGuane. No. 1,070,976; Aug. 19; Gaz. vol. 193; p. 713.
- Brush, Shaving-. M. Jacobs. No. 1,074,324; Sept. 30; Gaz. vol. 194; p. 1031.
- Brush, Shaving-. W. J. Duncan. No. 1,074,497; Sept. 30; Gaz. vol. 194; p. 1087.
- Brush, Shaving-. E. Mentor. No. 1,081,319; Dec. 16; Gaz. vol. 197; p. 550.
- Brush, Shaving-. L. D. Coriell. No. 1,082,934; Dec. 30; Gaz. vol. 197; p. 1162.
- Brush, Toilet-. J. H. Scheuer. No. 1,055,088; Mar. 4; Gaz. vol. 188; p. 149.
- Brush, Tooth-. G. E. W. Miller. No. 1,054,017; Feb. 25; Gaz. vol. 187; p. 856.
- Brush, Tooth-. D. L. Chandler. No. 1,055,607; Mar. 11; Gaz. vol. 188; p. 355.
- Brush, Tooth-. H. Barnes. No. 1,059,426; Apr. 22; Gaz. vol. 189; p. 819.
- Brush, Tooth-. J. A. Watt. No. 1,059,508; Apr. 22; Gaz. vol. 189; p. 847.
- Brush, Tooth-. D. Weiss. No. 1,060,962; May 6; Gaz. vol. 190; p. 139.
- Brush, Tooth-. J. T. Rankin. No. 1,063,214; June 3; Gaz. vol. 191; p. 16.
- Brush, Tooth-. W. T. Farrar. No. 1,063,523; June 3; Gaz. vol. 191; p. 119.
- Brush, Tooth-. D. Weiss. No. 1,074,761; Oct. 7; Gaz. vol. 195; p. 60.
- Brush, Tooth-. E. C. Gruehl. No. 1,077,909; Nov. 4; Gaz. vol. 196; p. 228.
- Brush, Tooth-. S. B. and G. S. Husch. No. 1,080,633; Dec. 9; Gaz. vol. 197; p. 279.
- Brush, Tooth-. S. B. and G. S. Husch. No. 1,080,634; Dec. 9; Gaz. vol. 197; p. 280.
- Brush, Tooth-. N. E. Paine. No. 1,082,041; Dec. 23; Gaz. vol. 197; p. 820.
- Brush, Tooth-. L. Tubbs. No. 1,082,919; Dec. 30; Gaz. vol. 197; p. 1158.
- Brush, Tuft-cleaning. J. H. Hill. No. 1,072,458; Sept. 9; Gaz. vol. 194; p. 297.
- Brush, Wire-painting. T. J. Cochran. No. 1,051,555; Jan. 28; Gaz. vol. 186; p. 866.
- Brushes, Manufacture of. H. P. McMillan. No. 1,063,166; May 27; Gaz. vol. 190; p. 995.
- Brushes, Soap-holding attachment for. G. C. Beckwith. No. 1,072,077; Sept. 2; Gaz. vol. 194; p. 139.
- Bubble-fountain, Lifiable. F. G. Partington. No. 1,053,213; Feb. 18; Gaz. vol. 187; p. 544.
- Bucket. H. S. Atkinson. No. 1,056,248; Mar. 18; Gaz. vol. 188; p. 607.
- Bucket. M. C. Kersey. No. 1,074,122; Sept. 30; Gaz. vol. 194; p. 964.
- Bucket and bottom. Well-. S. S. D. Thompson. No. 1,058,923; Apr. 15; Gaz. vol. 189; p. 609.
- Bucket attachment, Minnow-. C. F. Kraning. No. 1,073,353; Sept. 16; Gaz. vol. 194; p. 651.
- Bucket, Automatic coaling-. J. T. Richards. No. 1,062,359; May 20; Gaz. vol. 190; p. 687.
- Bucket, Bait-. T. C. Kennedy. No. 1,054,561; Feb. 25; Gaz. vol. 187; p. 1040.
- Bucket-chain elevator. S. G. Gotuzzo. No. 1,073,803; Sept. 23; Gaz. vol. 194; p. 827.
- Bucket, Clam-shell. J. G. Smith. No. 1,055,425; Mar. 11; Gaz. vol. 188; p. 297.
- Bucket, Clam-shell. C. Berghoefer. No. 1,058,023; Apr. 8; Gaz. vol. 189; p. 259.
- Bucket, Clam-shell. C. C. Williams. No. 1,062,208; May 20; Gaz. vol. 190; p. 637.
- Bucket cover, Sap-. C. W. Alderman. No. 1,056,766; Mar. 25; Gaz. vol. 188; p. 815.
- Bucket, Dinner-. F. M. Kolasa. No. 1,065,813; June 24; Gaz. vol. 191; p. 1002.
- Bucket-dumping device. J. W. Johnston. No. 1,077,986; Nov. 11; Gaz. vol. 196; p. 287.
- Bucket, Grab-. W. H. Botten. No. 1,058,539; Apr. 8; Gaz. vol. 189; p. 438.
- Bucket-grip. N. Bayuk. No. 1,064,123; June 10; Gaz. vol. 191; p. 361.
- Bucket, Hoisting-. A. Wirsing. No. 1,060,730; May 6; Gaz. vol. 190; p. 57.
- Bucket-hoisting apparatus, Dipper-. A. W. Robinson. No. 1,081,774; Dec. 16; Gaz. vol. 197; p. 701.
- Bucket-holder, Adjustable. S. E. Harris. No. 1,056,669; Mar. 18; Gaz. vol. 188; p. 751.
- Bucket, Metallic well-. F. Ziegel. No. 1,075,277; Oct. 7; Gaz. vol. 195; p. 240.
- Bucket, Paper-hanger's paste-. R. A. Matthews. No. 1,065,823; June 24; Gaz. vol. 191; p. 1005.
- Bucket, Self-cleaning drag-scraper. M. H. Morse. No. 1,078,454; Nov. 11; Gaz. vol. 196; p. 450.
- Bucket, Self-dumping. R. W. Catching. No. 1,079,744; Nov. 25; Gaz. vol. 196; p. 957.
- Bucket, Turbine-. C. W. Dake. No. 1,063,331; June 3; Gaz. vol. 191; p. 55.
- Bucket, Well-. L. G. Johnson. No. 1,050,660; Jan. 14; Gaz. vol. 186; p. 490.
- Bucket, Well-. J. L. Cahill. No. 1,055,385; Mar. 11; Gaz. vol. 188; p. 282.
- Bucket, Well-. F. A. Stearns. No. 1,061,136; May 6; Gaz. vol. 190; p. 198.
- Bucket, Well-. L. B. Stanton and E. G. Dowda. No. 1,062,196; May 20; Gaz. vol. 190; p. 633.
- Bucket, Well-. B. J. Barnes. No. 1,064,420; June 10; Gaz. vol. 191; p. 464.
- Bucket, Well-. H. A. Bott. No. 1,065,024; June 17; Gaz. vol. 191; p. 698.
- Buckets and similar receptacles, Means for operating shovel-. L. P. Lipps. No. 1,059,334; Apr. 15; Gaz. vol. 189; p. 749.
- Buckle. C. B. Kurtz. No. 1,050,470; Jan. 14; Gaz. vol. 186; p. 427.
- Buckle. W. J. Frink. No. 1,050,635; Jan. 14; Gaz. vol. 186; p. 483.
- Buckle. T. F. Molloy. No. 1,052,083; Feb. 4; Gaz. vol. 187; p. 83.
- Buckle. F. L. Brigham. No. 1,052,882; Feb. 11; Gaz. vol. 187; p. 386.
- Buckle. F. A. Neider. No. 1,054,307; Feb. 25; Gaz. vol. 187; p. 954.
- Buckle. L. W. Wright. No. 1,055,008; Mar. 4; Gaz. vol. 188; p. 121.
- Buckle. L. W. Wright. No. 1,055,009; Mar. 4; Gaz. vol. 188; p. 121.
- Buckle. J. F. Molloy. No. 1,055,067; Mar. 4; Gaz. vol. 188; p. 141.
- Buckle. J. C. Rosenkranz. No. 1,055,800; Mar. 11; Gaz. vol. 188; p. 421.
- Buckle. W. A. Holden. No. 1,056,991; Mar. 25; Gaz. vol. 188; p. 892.
- Buckle. J. Wolf. No. 1,057,368; Mar. 25; Gaz. vol. 188; p. 1019.
- Buckle. J. W. Davis. No. 1,057,714; Apr. 1; Gaz. vol. 189; p. 109.
- Buckle. C. M. Bartlett. No. 1,059,106; Apr. 15; Gaz. vol. 189; p. 673.
- Buckle. T. W. Meredith. No. 1,059,746; Apr. 22; Gaz. vol. 189; p. 924.
- Buckle. J. Lukacs. No. 1,060,196; Apr. 29; Gaz. vol. 189; p. 1116.

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- Buckle. P. J. Kjelden. No. 1,062,715; May 27; Gaz. vol. 190; p. 846.
- Buckle. D. H. Warner. No. 1,064,113; June 10; Gaz. vol. 191; p. 357.
- Buckle. M. Rubin. No. 1,064,996; June 17; Gaz. vol. 191; p. 690.
- Buckle. T. Konno. No. 1,065,451; June 24; Gaz. vol. 191; p. 880.
- Buckle. M. L. Rothschild. No. 1,069,185; Aug. 5; Gaz. vol. 193; p. 34.
- Buckle. C. Adolphson. No. 1,069,512; Aug. 5; Gaz. vol. 193; p. 147.
- Buckle. C. A. Brewer. No. 1,069,758; Aug. 12; Gaz. vol. 193; p. 260.
- Buckle. J. E. Redmond. No. 1,072,498; Sept. 9; Gaz. vol. 194; p. 311.
- Buckle. J. Praetz. No. 1,075,223; Oct. 7; Gaz. vol. 195; p. 219.
- Buckle. T. O'Brien. No. 1,075,601; Oct. 14; Gaz. vol. 195; p. 377.
- Buckle. W. M. Ward. No. 1,079,080; Nov. 18; Gaz. vol. 196; p. 698.
- Buckle. L. S. Ayer. No. 1,080,672; Dec. 9; Gaz. vol. 197; p. 292.
- Buckle and box, Combined. J. Bloch. No. 1,061,954; May 13; Gaz. vol. 190; p. 509.
- Buckle and garment-holder, Combination belt-. C. O. Liu borg. No. 1,053,411; Feb. 18; Gaz. vol. 187; p. 613.
- Buckle and hook, Combination. I. Rod. No. 1,062,798; May 27; Gaz. vol. 190; p. 873.
- Buckle and the like. W. G. Richardson. No. 1,065,171; June 17; Gaz. vol. 191; p. 746.
- Buckle-attaching machine. J. Mathers. No. 1,065,699; June 24; Gaz. vol. 191; p. 964.
- Buckle attachment. H. Tenny. No. 1,058,493; Apr. 8; Gaz. vol. 189; p. 422.
- Buckle, Back-band. A. J. McCord. No. 1,060,199; Apr. 29; Gaz. vol. 189; p. 1117.
- Buckle, Bale-tie. F. H. McFarland. No. 1,061,860; May 13; Gaz. vol. 190; p. 476.
- Buckle, Bale-tie. E. A. Frantz. No. 1,070,795; Aug. 19; Gaz. vol. 193; p. 657.
- Buckle, Belt-. M. Greenfeld. No. 1,051,731; Jan. 28; Gaz. vol. 186; p. 923.
- Buckle, Belt-. L. Sanders. No. 1,054,449; Feb. 25; Gaz. vol. 187; p. 1003.
- Buckle, Belt-. E. A. Guthman. No. 1,057,343; Mar. 25; Gaz. vol. 188; p. 1011.
- Buckle, Belt-. J. Haller. No. 1,073,115; Sept. 16; Gaz. vol. 194; p. 566.
- Buckle, Belt-. T. F. Maloney. No. 1,073,504; Sept. 16; Gaz. vol. 194; p. 701.
- Buckle, Cast-off. H. Kerngood. No. 1,059,303; Apr. 15; Gaz. vol. 189; p. 739.
- Buckle for garment-supporters, Adjusting-. A. V. Brown. No. 1,077,902; Nov. 4; Gaz. vol. 196; p. 226.
- Buckle, Harness-. E. Hartwick. No. 1,054,200; Feb. 25; Gaz. vol. 187; p. 918.
- Buckle, Harness-. E. C. Drake and E. S. Brown. No. 1,061,955; May 13; Gaz. vol. 190; p. 509.
- Buckle, Harness-. W. Utech. No. 1,064,262; June 10; Gaz. vol. 191; p. 408.
- Buckle, Harness-. R. B. Carter. No. 1,065,919; July 1; Gaz. vol. 192; p. 4.
- Buckle, Harness-. E. Humphreys. No. 1,074,570; Sept. 30; Gaz. vol. 194; p. 1111.
- Buckle-opener. F. E. Arason. No. 1,059,020; Apr. 15; Gaz. vol. 189; p. 643.
- Buckle or clasp, Clamping. K. Rode. No. 1,064,932; June 17; Gaz. vol. 191; p. 668.
- Buckle, Pivoted-tongue. E. Hartmann. No. 1,072,717; Sept. 9; Gaz. vol. 194; p. 386.
- Buckle-protector. G. F. Schmidt. No. 1,055,665; Mar. 11; Gaz. vol. 188; p. 375.
- Buckle, Sliding-tongue. H. Kerngood. No. 1,049,732; Jan. 7; Gaz. vol. 186; p. 141.
- Buckle, Sliding-tongue box-. A. H. Greenebaum. No. 1,072,714; Sept. 9; Gaz. vol. 194; p. 385.
- Buckle, Suspender-. M. Krischer. No. 1,055,763; Mar. 11; Gaz. vol. 188; p. 409.
- Buckle, Trace and tug. N. L. Anderson. No. 1,081,804; Dec. 16; Gaz. vol. 197; p. 711.
- Buckstay, Water-cooled. W. P. Gleason. No. 1,052,477; Feb. 11; Gaz. vol. 187; p. 249.
- Buffer. D. D. Gordon. No. 1,072,847; Sept. 9; Gaz. vol. 194; p. 433.
- Buffer and draft rigging, Swinging. A. Christianson. No. 1,061,817; May 13; Gaz. vol. 190; p. 462.
- Buffer draft-arm and sill-reinforcement, Combination. F. F. Gaines. No. 1,074,709; Oct. 7; Gaz. vol. 195; p. 43.
- Buffer for swinging indicator-frames. J. H. Rand. No. 1,077,555; Nov. 4; Gaz. vol. 196; p. 110.
- Buffing device. I. V. Lewis. No. 1,070,970; Aug. 19; Gaz. vol. 193; p. 712.
- Buffing-machine. H. J. Webb. No. 1,052,110; Feb. 4; Gaz. vol. 187; p. 93.
- Buffing-machine. H. E. Barton. No. 1,071,501; Aug. 26; Gaz. vol. 193; p. 924.
- Buffing-machine. F. A. Thurston. No. 1,076,468; Oct. 21; Gaz. vol. 195; p. 703.
- Buffing-machine. E. E. Lane. No. 1,078,050; Nov. 11; Gaz. vol. 196; p. 309.
- Buffet-server. A. M. Blackwell. No. 1,063,321; June 8; Gaz. vol. 191; p. 51.
- Bug and fly trap. G. W. Knapp, Jr. No. 1,065,878; June 24; Gaz. vol. 191; p. 1025.
- Bug and worm collector. R. C. Bartlett. No. 1,060,417; Apr. 29; Gaz. vol. 189; p. 1197.
- Buggies, Sliding door for storm-. S. P. Glunt. No. 1,067,871; July 22; Gaz. vol. 192; p. 776.
- Buggy-shaft. G. F. Thompson. No. 1,051,648; Jan. 28; Gaz. vol. 186; p. 896.
- Buggy-top. W. H. Schmedlen. No. 1,068,454; July 29; Gaz. vol. 192; p. 1014.
- Buggy-wrench. J. P. Owens. No. 1,066,522; July 8; Gaz. vol. 192; p. 244.
- Building. R. O. King. No. 1,056,103; Mar. 18; Gaz. vol. 188; p. 557.
- Building. S. S. Landon. No. 1,066,291; July 1; Gaz. vol. 192; p. 138.
- Building. R. O. King. No. 1,076,290; Oct. 21; Gaz. vol. 195; p. 639.
- Building-block. W. E. Pease. No. 1,055,074; Mar. 4; Gaz. vol. 188; p. 144.
- Building-block. F. V. Schiller. No. 1,057,095; Mar. 25; Gaz. vol. 188; p. 929.
- Building-block. F. Baron. No. 1,067,792; July 22; Gaz. vol. 192; p. 749.
- Building-block. J. C. White. No. 1,073,723; Sept. 23; Gaz. vol. 194; p. 802.
- Building-block. R. W. Raftis. No. 1,080,367; Dec. 2; Gaz. vol. 197; p. 159.
- Building-block. S. Ranno fu Biagio. No. 1,081,695; Dec. 16; Gaz. vol. 197; p. 673.
- Building-block and making same, Hollow. F. Burchartz. No. 1,054,670; Mar. 4; Gaz. vol. 188; p. 6.
- Building-block, Artificial-stone. F. F. Landis. No. 1,064,498; June 10; Gaz. vol. 191; p. 490.
- Building-block mold. A. R. Canfield. No. 1,050,804; Jan. 21; Gaz. vol. 186; p. 573.
- Building-block mold. H. A. Ullrich. No. 1,070,859; Aug. 19; Gaz. vol. 193; p. 676.
- Building-block structure, Hollow-. W. B. Davis. No. 1,067,804; July 22; Gaz. vol. 192; p. 752.
- Building construction. C. F. Long and A. B. Hersman. No. 1,049,502; Jan. 7; Gaz. vol. 186; p. 62.
- Building construction. H. B. Copeland. No. 1,050,428; Jan. 14; Gaz. vol. 186; p. 412.
- Building construction. E. F. Wilcox. No. 1,053,462; Feb. 18; Gaz. vol. 187; p. 630.
- Building construction. C. W. Roberts. No. 1,053,646; Feb. 18; Gaz. vol. 187; p. 693.
- Building construction. O. A. Ainsworth and G. A. Skoog. No. 1,065,762; June 24; Gaz. vol. 191; p. 985.
- Building construction. W. L. Collins. No. 1,067,469; July 15; Gaz. vol. 192; p. 605.
- Building construction. P. M. Stewart. No. 1,068,544; July 29; Gaz. vol. 192; p. 1043.
- Building construction. R. T. Savage. No. 1,071,467; Aug. 26; Gaz. vol. 193; p. 912.
- Building construction. P. M. Stewart. No. 1,073,540; Sept. 16; Gaz. vol. 194; p. 713.
- Building construction. P. M. Stewart. No. 1,073,542; Sept. 16; Gaz. vol. 194; p. 713.
- Building construction. C. P. Pond. No. 1,074,526; Sept. 30; Gaz. vol. 194; p. 1096.
- Building construction. C. J. Perkins. No. 1,081,864; Dec. 16; Gaz. vol. 197; p. 732.
- Building construction, Metallic. A. W. Crottsly. No. 1,060,745; May 6; Gaz. vol. 190; p. 62.
- Building construction, Wooden. H. Brown. No. 1,057,704; Apr. 1; Gaz. vol. 189; p. 105.
- Building element. A. H. Beckman. No. 1,052,207; Feb. 4; Gaz. vol. 187; p. 126.
- Building foundations and walls, Apparatus for. G. F. Mills. No. 1,068,442; July 29; Gaz. vol. 192; p. 1010.
- Building material. A. P. White. No. 1,049,630; Jan. 7; Gaz. vol. 186; p. 108.
- Building material. A. P. White. No. 1,049,631; Jan. 7; Gaz. vol. 186; p. 108.
- Building-section, Reinforced structural. A. White. No. 1,067,854; July 22; Gaz. vol. 192; p. 770.
- Building structure. W. Schweikert. No. 1,053,231; Feb. 18; Gaz. vol. 187; p. 550.
- Building structure, Composite. P. M. Stewart. No. 1,068,541; July 29; Gaz. vol. 192; p. 1043.
- Building structure, Composite. P. M. Stewart. No. 1,068,542; July 29; Gaz. vol. 192; p. 1043.
- Building structure, Portable. A. Miller. No. 1,075,368; Oct. 14; Gaz. vol. 195; p. 295.
- Building-ventilator. T. E. Vaughn and J. E. Bruninga. No. 1,074,143; Sept. 30; Gaz. vol. 194; p. 971.
- Buildings, Molding or trimming for. J. F. Johnson. No. 1,065,810; June 24; Gaz. vol. 191; p. 1001.
- Buildings, &c., Underpinning. J. B. Goldsborough. No. 1,063,869; June 3; Gaz. vol. 191; p. 239.
- Buildings, &c., Underpinning. J. B. Goldsborough. (Re-issue.) No. 13,610; Aug. 26; Gaz. vol. 193; p. 982.

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- Bulb-scooping machine. J. F. Barghausen. No. 1,066,174; July 1; Gaz. vol. 192; p. 96.
- Bull-lead. F. B. McLeran. No. 1,051,428; Jan. 28; Gaz. vol. 186; p. 821.
- Bullet. W. A. Tewes. No. 1,072,880; Sept. 9; Gaz. vol. 194; p. 446.
- Bullet for shotgun-shells, Solid. J. Beckmann. No. 1,063,905; June 3; Gaz. vol. 191; p. 251.
- Bullet, Jacketed. C. H. A. F. L. Ross. No. 1,059,213; Apr. 15; Gaz. vol. 189; p. 708.
- Bullet, Mushroom-. A. B. Gully. No. 1,070,457; Aug. 19; Gaz. vol. 193; p. 541.
- Bullet, Mushroom-. F. O. Hoagland. No. 1,071,742; Sept. 2; Gaz. vol. 194; p. 25.
- Bullet, Mushroom-. F. O. Hoagland. No. 1,073,349; Sept. 16; Gaz. vol. 194; p. 650.
- Bullet, Mushroom-. H. W. Starkweather. No. 1,077,564; Nov. 4; Gaz. vol. 196; p. 113.
- Bullet, Mushroom-. T. C. Johnson. No. 1,077,607; Nov. 4; Gaz. vol. 196; p. 126.
- Bullet, Mushroom-. T. C. Johnson. No. 1,077,608; Nov. 4; Gaz. vol. 196; p. 126.
- Bullet, Mushroom-. T. C. Johnson. No. 1,080,974; Dec. 9; Gaz. vol. 197; p. 398.
- Bullet, Mushroom-. T. C. Johnson. No. 1,080,975; Dec. 9; Gaz. vol. 197; p. 399.
- Bullet, Mushroom-. T. C. Johnson. No. 1,080,976; Dec. 9; Gaz. vol. 197; p. 399.
- Bullet, Mushroom-. T. C. Johnson. No. 1,080,977; Dec. 9; Gaz. vol. 197; p. 399.
- Bullet, Mushroom-. H. W. Starkweather. No. 1,081,065; Dec. 9; Gaz. vol. 197; p. 426.
- Bullet, Mushroom-. T. C. Johnson. No. 1,081,616; Dec. 16; Gaz. vol. 197; p. 647.
- Bullet, Mushrooming. E. L. Uhl. No. 1,062,865; May 27; Gaz. vol. 190; p. 895.
- Bullet, Mushrooming. T. C. Johnson. No. 1,062,919; May 27; Gaz. vol. 190; p. 914.
- Bullet, Mushrooming. H. W. Starkweather. No. 1,063,748; June 3; Gaz. vol. 191; p. 200.
- Bullet, Pistol-. P. Mauser. No. 1,053,845; Feb. 18; Gaz. vol. 187; p. 760.
- Bullet, Small-arm-. P. Mauser. No. 1,053,844; Feb. 18; Gaz. vol. 187; p. 760.
- Bullets, Making metal-clad. C. H. A. F. L. Ross. No. 1,059,212; Apr. 15; Gaz. vol. 189; p. 708.
- Bulletin-board. G. H. Parker. No. 1,073,866; Sept. 23; Gaz. vol. 194; p. 848.
- Bulletin-board, Changeable. A. Spielmann. No. 1,079,372; Nov. 25; Gaz. vol. 196; p. 827.
- Bumper. H. Dillon. No. 1,053,016; Feb. 11; Gaz. vol. 187; p. 432.
- Bumper and blind for animals, Combined. A. Blackburn. No. 1,057,615; Apr. 1; Gaz. vol. 189; p. 75.
- Bumper-beam, pilot, and coupling-pocket construction. F. J. Harrison and W. J. Knox. No. 1,071,155; Aug. 26; Gaz. vol. 193; p. 808.
- Bumper-bracket. G. F. Discher. No. 1,052,224; Feb. 4; Gaz. vol. 187; p. 131.
- Bumper or cushioning device. J. H. Miller. No. 1,051,508; Jan. 28; Gaz. vol. 186; p. 849.
- Bundle-binding machine. R. M. Inglis and F. E. Wood. No. 1,058,751; Apr. 15; Gaz. vol. 189; p. 547.
- Bundle-carrier. T. E. Somerville. No. 1,081,559; Dec. 16; Gaz. vol. 197; p. 630.
- Bundle or package carrier. H. S. Thomas. No. 1,075,997; Oct. 14; Gaz. vol. 195; p. 512.
- Bundle-tie. W. H. Sedam. No. 1,076,792; Oct. 28; Gaz. vol. 195; p. 870.
- Bundling-machine. W. Y. Dear. No. 1,055,022; Mar. 4; Gaz. vol. 188; p. 125.
- Bundling-machine. R. C. Lowry and L. F. Winter. No. 1,057,488; Apr. 1; Gaz. vol. 189; p. 31.
- Bundling-machine. J. A. Koller. No. 1,079,864; Nov. 25; Gaz. vol. 196; p. 999.
- Bung, Barrel-. G. Kelsey. No. 1,055,473; Mar. 11; Gaz. vol. 188; p. 312.
- Bung-closure for barrels. G. Stiefel. No. 1,068,185; July 22; Gaz. vol. 192; p. 880.
- Bung-lock. B. O. Reichardt. No. 1,071,796; Sept. 2; Gaz. vol. 194; p. 45.
- Bung, Metal. G. E. Mittinger, Jr. No. 1,062,601; May 27; Gaz. vol. 190; p. 809.
- Bung-retainer and seal. J. Popper. No. 1,070,287; Aug. 12; Gaz. vol. 193; p. 442.
- Bung-withdrawing machine. A. M. Munzinger. No. 1,057,492; Apr. 1; Gaz. vol. 189; p. 32.
- Bunion-plaster. I. F. Purdy. No. 1,052,274; Feb. 4; Gaz. vol. 187; p. 148.
- Bunion-protector. Q. E. Packard. No. 1,054,934; Mar. 4; Gaz. vol. 188; p. 95.
- Bunion-rectifier. W. M. Scholl. No. 1,080,303; Dec. 2; Gaz. vol. 197; p. 134.
- Bunion-shield. W. M. Scholl. No. 1,055,809; Mar. 11; Gaz. vol. 188; p. 425.
- Bunion-shield. W. M. Scholl. No. 1,055,811; Mar. 11; Gaz. vol. 188; p. 425.
- Bunion shield or protector. R. E. Turner. No. 1,073,185; Sept. 16; Gaz. vol. 194; p. 590.
- Bunker, Portable. P. H. Madden. No. 1,051,340; Jan. 21; Gaz. vol. 186; p. 758.
- Bunsen burner. R. Michl. No. 1,064,153; June 10; Gaz. vol. 191; p. 371.
- Bunting into strips, Machine for cutting. J. L. Stuart. No. 1,059,503; Apr. 22; Gaz. vol. 189; p. 845.
- Buoy. T. J. Macgenn. No. 1,066,636; July 8; Gaz. vol. 192; p. 285.
- Buoy, Automatic indicating-. A. J. Hebert. No. 1,070,253; Aug. 12; Gaz. vol. 193; p. 430.
- Buoy, Bell-. J. Gillis. No. 1,067,601; July 15; Gaz. vol. 192; p. 650.
- Buoy, Bell-. A. Lindstrom. No. 1,072,130; Sept. 2; Gaz. vol. 194; p. 158.
- Buoy, Combined gas and whistling. P. C. Johnson and J. A. Legere. No. 1,050,947; Jan. 21; Gaz. vol. 186; p. 626.
- Buoy for locating wrecks. E. L. Bean. No. 1,058,939; Apr. 15; Gaz. vol. 189; p. 614.
- Buoy for streams and currents. F. Heyn. No. 1,067,113; July 8; Gaz. vol. 192; p. 447.
- Buoy for submarine boats. D. L. Cayo. No. 1,071,393; Aug. 26; Gaz. vol. 193; p. 889.
- Buoy, Gas-. N. Goodyear. No. 1,050,058; Jan. 7; Gaz. vol. 186; p. 251.
- Buoyancy-indicator. G. A. Spratt. No. 1,050,573; Jan. 14; Gaz. vol. 186; p. 463.
- Buoyancy-tank. A. Ehinger. No. 1,081,103; Dec. 9; Gaz. vol. 197; p. 438.
- Burglar-alarm. R. Fyfe. No. 1,050,637; Jan. 14; Gaz. vol. 186; p. 484.
- Burglar-alarm. F. A. Lundquist. No. 1,051,962; Feb. 4; Gaz. vol. 187; p. 40.
- Burglar-alarm. E. Q. Gatteys. No. 1,053,376; Feb. 18; Gaz. vol. 187; p. 601.
- Burglar-alarm. J. V. Belamy. No. 1,054,495; Feb. 25; Gaz. vol. 187; p. 1019.
- Burglar-alarm. J. E. Liljeblad. No. 1,054,971; Mar. 4; Gaz. vol. 188; p. 108.
- Burglar-alarm. A. Lindstrom. No. 1,059,547; Apr. 22; Gaz. vol. 189; p. 859.
- Burglar-alarm. P. A. Vanhauwer. No. 1,060,516; Apr. 29; Gaz. vol. 189; p. 1230.
- Burglar-alarm. H. L. Cooper. No. 1,060,535; Apr. 29; Gaz. vol. 189; p. 1236.
- Burglar-alarm. O. D. Lankford. No. 1,062,482; May 20; Gaz. vol. 190; p. 728.
- Burglar-alarm. R. P. Crawford. No. 1,065,508; June 24; Gaz. vol. 191; p. 899.
- Burglar-alarm. G. A. Brewster. No. 1,065,861; June 24; Gaz. vol. 191; p. 1018.
- Burglar-alarm. G. Janek. No. 1,066,907; July 8; Gaz. vol. 192; p. 378.
- Burglar-alarm. W. L. Sanders and N. Morris. No. 1,066,952; July 8; Gaz. vol. 192; p. 394.
- Burglar-alarm. W. D. Hudspeth and C. C. Hartzoge. No. 1,068,342; July 22; Gaz. vol. 192; p. 937.
- Burglar-alarm. C. F. Lee. No. 1,070,969; Aug. 19; Gaz. vol. 193; p. 711.
- Burglar-alarm. J. F. Jensen. No. 1,076,373; Oct. 21; Gaz. vol. 195; p. 669.
- Burglar-alarm. O. Wiggers. No. 1,078,476; Nov. 11; Gaz. vol. 196; p. 457.
- Burglar-alarm. E. Ogle. No. 1,078,550; Nov. 11; Gaz. vol. 196; p. 481.
- Burglar-alarm. E. C. and F. W. Bertagnolli. No. 1,081,884; Dec. 16; Gaz. vol. 197; p. 738.
- Burglar-alarm. C. S. Head. No. 1,082,325; Dec. 23; Gaz. vol. 197; p. 919.
- Burglar-alarm device, Electric. R. C. Jones. No. 1,052,724; Feb. 11; Gaz. vol. 187; p. 331.
- Burglar-alarm, Electric. H. S. Bitting. No. 1,081,278; Dec. 9; Gaz. vol. 197; p. 498.
- Burglar-alarm, Electrical. B. F. Sharp. No. 1,059,007; Apr. 15; Gaz. vol. 189; p. 638.
- Burglar-alarm systems, Automatic resetting alarm cut-out for electric. J. P. Williams and H. Huhn. No. 1,082,667; Dec. 30; Gaz. vol. 197; p. 1069.
- Burglar and fire alarm. A. C. Thorbjornson. No. 1,052,024; Feb. 4; Gaz. vol. 187; p. 63.
- Burglar and fire alarm. F. Carlson. No. 1,056,257; Mar. 18; Gaz. vol. 188; p. 611.
- Burglar apparatus. J. Matany. No. 1,057,252; Mar. 25; Gaz. vol. 188; p. 983.
- Burglar guard and alarm. E. S. Phelps. No. 1,071,337; Aug. 26; Gaz. vol. 193; p. 870.
- Burglar-proofing device, Window-. O. H. Sheppard. No. 1,079,029; Nov. 18; Gaz. vol. 196; p. 681.
- Burial apparatus. H. J. Culp. No. 1,065,030; June 17; Gaz. vol. 191; p. 700.
- Burial-case. P. D. Skahen. No. 1,071,105; Aug. 26; Gaz. vol. 193; p. 793.
- Burial casing or vault. E. C. Whitmer. No. 1,060,050; Apr. 29; Gaz. vol. 189; p. 1068.
- Burial-crypt. W. S. Freeman. No. 1,053,488; Feb. 18; Gaz. vol. 187; p. 640.
- Burial-crypt valve control. F. A. Holmes. No. 1,050,773; Jan. 14; Gaz. vol. 186; p. 527.

Alphabetical list of inventions—Continued.

- Burlal device. S. S. Bricker. No. 1,051,386; Jan. 28; Gaz. vol. 186; p. 807.
- Burlal device. D. D. Landis. No. 1,078,929; Nov. 18; Gaz. vol. 196; p. 645.
- Burner: See Acetylene-burner; Brazing-burner; Bunsen burner; Cactus-burner; Coal-burner; Convertible burner; Fire-pot burner; Furnace-burner; Gas-burner; Gas and oil burner; Gas-light burner; Gas-mixing burner; Headlight-burner; Heating and illuminating burner; Hydrocarbon-burner; Incandescent burner; Lamp-burner; Lantern-burner; Liquid-fuel burner; Liquid or gaseous fuel burner; Oil-burner; Oil and water burner; Pear-burner; Petroleum-burner; Refuse-burner; Smoke-burner; Spray-burner; Stove-burner; Stump-burner; Test-burner; Trash-burner; Vapor-burner.
- Burner. J. A. Jones. No. 1,053,292; Feb. 18; Gaz. vol. 187; p. 572.
- Burner. C. W. Dolley. No. 1,057,128; Mar. 25; Gaz. vol. 188; p. 940.
- Burner. W. P. C. Stout and H. H. Andress. No. 1,059,502; Apr. 22; Gaz. vol. 189; p. 845.
- Burner. F. E. Fender. No. 1,059,855; Apr. 22; Gaz. vol. 189; p. 958.
- Burner. E. H. Kuhr. No. 1,064,918; June 17; Gaz. vol. 191; p. 663.
- Burner. B. Iglesias. No. 1,070,344; Aug. 12; Gaz. vol. 193; p. 461.
- Burner. F. W. Rosengren. No. 1,073,711; Sept. 23; Gaz. vol. 194; p. 798.
- Burner. H. M. Wiley. No. 1,073,830; Sept. 23; Gaz. vol. 194; p. 836.
- Burner. A. Beler. No. 1,074,157; Sept. 30; Gaz. vol. 194; p. 975.
- Burner. W. W. Kemp and W. H. Van Horn. No. 1,074,626; Oct. 7; Gaz. vol. 195; p. 13.
- Burner. J. Weintz. No. 1,075,742; Oct. 14; Gaz. vol. 195; p. 424.
- Burner. J. T. Underwood. No. 1,078,227; Nov. 11; Gaz. vol. 196; p. 369.
- Burner. F. C. Chadborn. No. 1,079,327; Nov. 25; Gaz. vol. 196; p. 812.
- Burner. H. S. Thornton. No. 1,082,294; Dec. 23; Gaz. vol. 197; p. 908.
- Burner attachment. F. De Felice. No. 1,055,145; Mar. 4; Gaz. vol. 188; p. 165.
- Burner-bowl, Detachable. W. E. Jordan. No. 1,056,796; Mar. 25; Gaz. vol. 188; p. 824.
- Burner, Hydrocarbon-. E. A. Whitten. No. 1,080,244; Dec. 2; Gaz. vol. 197; p. 114.
- Burner system. W. M. Freeman. No. 1,052,413; Feb. 4; Gaz. vol. 187; p. 194.
- Burner-tip, Non-clogging. F. E. Baldwin. No. 1,075,960; Oct. 14; Gaz. vol. 195; p. 498.
- Burners, Starter for hydrocarbon-. H. Lemp. No. 1,056,697; Mar. 18; Gaz. vol. 188; p. 760.
- Burning solid fuel. O. B. Evans. No. 1,073,668; Sept. 23; Gaz. vol. 194; p. 782.
- Burnishing-machine. C. H. Hart and G. B. Stretch. No. 1,050,534; Jan. 14; Gaz. vol. 186; p. 450.
- Burnishing-machine. W. Jackson and H. N. Pochin. No. 1,077,349; Nov. 4; Gaz. vol. 196; p. 38.
- Bushing and terminal board. Transformer. S. E. Johansen. No. 1,075,573; Oct. 14; Gaz. vol. 195; p. 367.
- Business systems, Means for carrying out. E. Caverly. No. 1,056,500; Mar. 18; Gaz. vol. 188; p. 694.
- Bust supporter and reducer. M. Feldman. No. 1,060,329; Apr. 29; Gaz. vol. 189; p. 1165.
- Butadiene and derivatives thereof, Producing. O. Schmidt. No. 1,070,294; Aug. 12; Gaz. vol. 193; p. 444.
- Butt-gage. W. Mason. No. 1,050,155; Jan. 14; Gaz. vol. 186; p. 318.
- Butt, hinge, and the like. H. Fleischer. No. 1,076,968; Oct. 28; Gaz. vol. 195; p. 933.
- Butt-welds, Making. E. Einfeldt. No. 1,062,641; May 27; Gaz. vol. 190; p. 823.
- Butter and cream, Manufacturing sterile. E. W. Kuhn. No. 1,067,743; July 15; Gaz. vol. 192; p. 699.
- Butter-container. E. A. Eiband. No. 1,070,238; Aug. 12; Gaz. vol. 193; p. 425.
- Butter-cutter. J. M. Low. No. 1,057,750; Apr. 1; Gaz. vol. 189; p. 121.
- Butter-cutter. E. Balod. No. 1,062,429; May 20; Gaz. vol. 190; p. 710.
- Butter-cutting machine. N. G. Van Huffel. No. 1,055,463; Mar. 11; Gaz. vol. 188; p. 309.
- Butter, &c., Device for cutting. R. N. and L. R. Van Sant. No. 1,069,591; Aug. 5; Gaz. vol. 193; p. 172.
- Butter-fat and converting same into cream, Treating. J. Willmann. No. 1,058,508; Apr. 8; Gaz. vol. 189; p. 427.
- Butter-fat in butter, Determining the content of. R. H. Shaw. No. 1,052,098; Feb. 4; Gaz. vol. 187; p. 88.
- Butter-handling machines, Plunger-operating mechanism for. R. F. Stewart. No. 1,064,785; June 17; Gaz. vol. 191; p. 622.
- Butter, lard, and cheese cutter. H. E. Lock. No. 1,079,135; Nov. 18; Gaz. vol. 196; p. 717.
- Butter making and molding machine. C. Volkmann. No. 1,065,284; June 17; Gaz. vol. 191; p. 785.
- Butter-making machine. P. Hanson. No. 1,053,594; Feb. 18; Gaz. vol. 187; p. 677.
- Butter, Manufactured and packed. J. M. W. Kitchen. No. 1,072,238; Sept. 2; Gaz. vol. 194; p. 193.
- Butter molding and print-forming machine. R. F. Stewart. No. 1,065,186; June 17; Gaz. vol. 191; p. 751.
- Butter, Nut-. C. Lande. No. 1,070,143; Aug. 12; Gaz. vol. 193; p. 392.
- Butter-pat-making machine. G. W. Furbeck. No. 1,073,896; Sept. 23; Gaz. vol. 194; p. 859.
- Butter printing and cutting machine. R. F. Stewart. No. 1,065,185; June 17; Gaz. vol. 191; p. 750.
- Butter-treating apparatus. R. Roos. No. 1,060,633; May 6; Gaz. vol. 190; p. 24.
- Buttermilk-cooler. G. Viney. No. 1,081,350; Dec. 16; Gaz. vol. 197; p. 560.
- Butterfly, Artificial. F. Sheline. No. 1,077,100; Oct. 28; Gaz. vol. 195; p. 977.
- Butterfly-mount. E. Garner. No. 1,065,040; June 17; Gaz. vol. 191; p. 704.
- Button. J. V. Pilcher. No. 1,051,849; Jan. 28; Gaz. vol. 186; p. 962.
- Button. F. R. White. No. 1,053,260; Feb. 18; Gaz. vol. 187; p. 561.
- Button. M. Bell. No. 1,066,876; July 8; Gaz. vol. 192; p. 367.
- Button. H. S. McElroy. No. 1,069,158; Aug. 5; Gaz. vol. 193; p. 23.
- Button. F. R. White. No. 1,071,123; Aug. 26; Gaz. vol. 193; p. 799.
- Button. A. B. Commerford and S. E. Watson. No. 1,081,096; Dec. 9; Gaz. vol. 197; p. 435.
- Button. M. V. Gloeckner. No. 1,082,420; Dec. 23; Gaz. vol. 197; p. 950.
- Button and fastening means therefor. C. A. O. Hoyne. No. 1,059,298; Apr. 15; Gaz. vol. 189; p. 737.
- Button and necktie-holder, Collar-. B. U. Dye. No. 1,066,390; July 1; Gaz. vol. 192; p. 170.
- Button and washer for tufting-machines, Clenchable. W. E. Buser. No. 1,054,389; Feb. 25; Gaz. vol. 187; p. 983.
- Button-attaching machine. J. Kiewicz. No. 1,063,885; June 3; Gaz. vol. 191; p. 244.
- Button-attaching machine. C. H. T. Hagelstein. No. 1,077,602; Nov. 4; Gaz. vol. 196; p. 124.
- Button-attaching machine. C. Baranovits. No. 1,082,485; Dec. 30; Gaz. vol. 197; p. 1003.
- Button-attaching machines, Button and staple feeding mechanism for. F. R. White. No. 1,079,968; Dec. 2; Gaz. vol. 197; p. 16.
- Button-attaching machines, Button-feeding mechanism for bar-. F. R. White. No. 1,079,967; Dec. 2; Gaz. vol. 197; p. 16.
- Button-blank-cutting machine. A. P. Wallace. No. 1,062,672; May 27; Gaz. vol. 190; p. 832.
- Button buttoner, Collar-. J. M. Newlon. No. 1,073,815; Sept. 23; Gaz. vol. 194; p. 831.
- Button-carding machine. A. L. Currier. No. 1,055,523; Mar. 11; Gaz. vol. 188; p. 328.
- Button-clasp. M. F. Burns. No. 1,057,034; Mar. 25; Gaz. vol. 188; p. 908.
- Button-clip. J. F. Teehan. No. 1,060,217; Apr. 29; Gaz. vol. 189; p. 1123.
- Button, Collar-. I. Franklin. No. 1,051,210; Jan. 21; Gaz. vol. 186; p. 714.
- Button, Collar-. R. E. King. No. 1,053,041; Feb. 11; Gaz. vol. 187; p. 441.
- Button, Collar-. W. Cockcroft. No. 1,063,776; June 3; Gaz. vol. 191; p. 210.
- Button, Collar-. J. H. Maish. No. 1,066,510; July 8; Gaz. vol. 192; p. 241.
- Button, Collar-. J. E. Kalmbach. No. 1,068,141; July 22; Gaz. vol. 192; p. 866.
- Button, Collar-. J. F. Keliber. No. 1,078,732; Nov. 18; Gaz. vol. 196; p. 578.
- Button-covering machine. J. Bärckner. No. 1,059,113; Apr. 15; Gaz. vol. 189; p. 675.
- Button, Cuff-. A. J. Stetler. No. 1,062,049; May 20; Gaz. vol. 190; p. 582.
- Button, Cuff-. H. R. Johnson. No. 1,064,913; June 17; Gaz. vol. 191; p. 622.
- Button, Cuff-. R. Faulkner. No. 1,070,791; Aug. 19; Gaz. vol. 193; p. 656.
- Button, Cuff-. C. L. Webster. No. 1,079,620; Nov. 25; Gaz. vol. 196; p. 914.
- Button, Detachable. J. W. Nilsson. No. 1,050,380; Jan. 14; Gaz. vol. 186; p. 395.
- Button, Detachable. J. Rankin. No. 1,059,636; Apr. 22; Gaz. vol. 189; p. 887.
- Button, Detachable. J. F. Zak. No. 1,071,855; Sept. 2; Gaz. vol. 194; p. 64.
- Button-drilling machine. P. F. Dusha, A. Feyk, and J. Komancsek. No. 1,083,202; Dec. 30; Gaz. vol. 197; p. 1246.
- Button-fastener. J. A. T. Reymond. No. 1,060,944; May 6; Gaz. vol. 190; p. 132.
- Button-fastener. H. I. Phillips. No. 1,069,171; Aug. 5; Gaz. vol. 193; p. 29.
- Button-fastener. A. W. Stone. No. 1,080,604; Dec. 9; Gaz. vol. 197; p. 270.

Alphabetical list of inventions—Continued.

- Button-fastening machine. G. W. Perkins. No. 1,070,170; Aug. 12; Gaz. vol. 193; p. 402.
- Button-fastening-machine anticlogging attachment. G. W. Perkins. No. 1,080,996; Dec. 9; Gaz. vol. 197; p. 405.
- Button-fastening machines, Lower raceway for. E. D. Morgan. No. 1,070,163; Aug. 12; Gaz. vol. 193; p. 399.
- Button-filling machine, Shoe. A. Thoma. No. 1,052,428; Feb. 4; Gaz. vol. 187; p. 199.
- Button, Garment-. W. H. Saunders. No. 1,065,082; June 17; Gaz. vol. 191; p. 719.
- Button-holder. J. J. Elliott. No. 1,057,532; Apr. 1; Gaz. vol. 189; p. 46.
- Button-holding device. W. F. Gaunt. No. 1,078,091; Nov. 11; Gaz. vol. 196; p. 323.
- Button, Lever-. E. B. Smith. No. 1,074,905; Oct. 7; Gaz. vol. 195; p. 108.
- Button-making machine. J. Hormby. No. 1,054,349; Feb. 25; Gaz. vol. 187; p. 969.
- Button-making machine. H. Müller. No. 1,074,641; Oct. 7; Gaz. vol. 195; p. 19.
- Button-making machine. P. F. Dusha, A. Feyk, and J. Komancsek. No. 1,077,336; Nov. 4; Gaz. vol. 196; p. 33.
- Button-making machine. P. F. Dusha, A. Feyk, and J. Komancsek. No. 1,077,337; Nov. 4; Gaz. vol. 196; p. 33.
- Button-making-machine feeding device. P. F. Dusha, A. Feyk, and J. Komancsek. No. 1,077,335; Nov. 4; Gaz. vol. 196; p. 33.
- Button-manufacturing machine. E. Gaudion. No. 1,072,221; Sept. 2; Gaz. vol. 194; p. 187.
- Button, Metal-shank. H. L. Davis. No. 1,072,921; Sept. 9; Gaz. vol. 194; p. 461.
- Button, Non-separable link cuff-. C. H. Allen and C. J. Callahan. No. 1,078,892; Nov. 18; Gaz. vol. 196; p. 632.
- Button, Parchment. G. Sachsenröder. No. 1,079,365; Nov. 25; Gaz. vol. 196; p. 825.
- Button-setting, Hand-tool for. W. E. Elliott. No. 1,059,355; Apr. 22; Gaz. vol. 189; p. 793.
- Button-setting machine. E. F. Stenman. No. 1,057,894; Apr. 1; Gaz. vol. 189; p. 171.
- Button-shank. F. J. Tahl. No. 1,056,070; Mar. 18; Gaz. vol. 188; p. 546.
- Button-shank making and attaching machine. S. B. Eshleman. No. 1,065,306; June 17; Gaz. vol. 191; p. 792.
- Button-tab end. J. B. Russ. No. 1,080,785; Dec. 9; Gaz. vol. 197; p. 333.
- Button, Tack-fastened. D. H. Munger. No. 1,049,902; Jan. 7; Gaz. vol. 186; p. 198.
- Button, Tack-fastened. F. E. Stanley. No. 1,067,946; July 22; Gaz. vol. 192; p. 800.
- Buttons, &c., Fastener for. O. D. Bell. No. 1,050,716; Jan. 14; Gaz. vol. 186; p. 508.
- Buttonhole-cutter. C. Anderson and A. G. Wahlberg. No. 1,057,517; Apr. 1; Gaz. vol. 189; p. 42.
- Buttonhole-cutting device. E. B. Allen. No. 1,083,236; Dec. 30; Gaz. vol. 197; p. 1258.
- Buttonhole-finishing machine. G. S. Hill. No. 1,080,341; Dec. 2; Gaz. vol. 197; p. 148.
- Buttonhole guide-clamp. J. T. Auger. No. 1,076,183; Oct. 21; Gaz. vol. 195; p. 602.
- Buttonhole-machine feeding mechanism. C. M. Perkins. No. 1,064,533; June 10; Gaz. vol. 191; p. 501.
- Buttonhole-marking machine. J. H. Whitworth. No. 1,052,395; Feb. 4; Gaz. vol. 187; p. 188.
- Buttonhole-marking machine. E. T. Adams. No. 1,065,198; June 17; Gaz. vol. 191; p. 755.
- Buttonhole measuring and cutting machine. A. Levin. No. 1,071,445; Aug. 26; Gaz. vol. 193; p. 905.
- Buttonhole-piece. F. L. Harmon. No. 1,076,764; Oct. 28; Gaz. vol. 195; p. 860.
- Buttonhole-punching machine. M. Brown. No. 1,057,523; Apr. 1; Gaz. vol. 189; p. 43.
- Buttonhole-reinforcement. A. M. McFadden. No. 1,054,014; Feb. 25; Gaz. vol. 187; p. 855.
- Buttonhole-reinforcement. H. Feder. No. 1,066,477; July 8; Gaz. vol. 192; p. 229.
- Buttonhole reinforcement, Collar-. M. W. Wismer. No. 1,074,077; Sept. 23; Gaz. vol. 194; p. 920.
- Buttoning device, Collar-. A. Werner and W. H. Fetter. No. 1,063,092; May 27; Gaz. vol. 190; p. 971.
- Buzz-ball. B. E. Daniel. No. 1,076,354; Oct. 21; Gaz. vol. 195; p. 663.
- Cabinet. E. Kaiser. No. 1,052,591; Feb. 11; Gaz. vol. 187; p. 287.
- Cabinet. A. J. Dowdle. No. 1,055,728; Mar. 11; Gaz. vol. 188; p. 396.
- Cabinet. G. S. and C. L. Elmquist. No. 1,056,158; Mar. 18; Gaz. vol. 188; p. 577.
- Cabinet. J. H. Boye. No. 1,058,350; Apr. 8; Gaz. vol. 189; p. 373.
- Cabinet. W. A. C. Stephen. No. 1,059,781; Apr. 22; Gaz. vol. 189; p. 936.
- Cabinet. F. Huhn. No. 1,059,963; Apr. 22; Gaz. vol. 189; p. 994.
- Cabinet. F. A. Stoney. No. 1,060,215; Apr. 29; Gaz. vol. 189; p. 1123.
- Cabinet. W. H. Welliver. No. 1,061,646; May 13; Gaz. vol. 190; p. 409.
- Cabinet. D. Lipsich. No. 1,068,676; July 29; Gaz. vol. 192; p. 1090.
- Cabinet. S. B. Rose. No. 1,069,294; Aug. 5; Gaz. vol. 193; p. 72.
- Cabinet, Account-. B. C. Maxwell. No. 1,074,964; Oct. 7; Gaz. vol. 195; p. 127.
- Cabinet, Bag-. C. C. Lynch and A. Petrie. No. 1,057,158; Mar. 25; Gaz. vol. 188; p. 950.
- Cabinet, Bath-. M. Beadle. No. 1,080,247; Dec. 2; Gaz. vol. 197; p. 115.
- Cabinet, Cheese-. S. S. Phillips. No. 1,054,311; Feb. 25; Gaz. vol. 187; p. 954.
- Cabinet-closet. D. B. Eastman. No. 1,050,435; Jan. 14; Gaz. vol. 186; p. 415.
- Cabinet, Cloth-. C. M. Thompson. No. 1,067,692; July 15; Gaz. vol. 192; p. 682.
- Cabinet, Collapsible. F. F. Burdick. No. 1,066,883; July 8; Gaz. vol. 192; p. 369.
- Cabinet, Collapsible. F. F. Burdick. No. 1,066,884; July 8; Gaz. vol. 192; p. 369.
- Cabinet, Delivery-. T. A. Matthews. No. 1,060,007; Apr. 29; Gaz. vol. 189; p. 1053.
- Cabinet, Dispensing-. S. Wheeler. No. 1,060,725; May 6; Gaz. vol. 190; p. 56.
- Cabinet, Druggist's bottle-. M. R. Ransburg. No. 1,056,832; Mar. 25; Gaz. vol. 188; p. 836.
- Cabinet, Filling-. C. B. Stillwell. No. 1,071,531; Aug. 26; Gaz. vol. 193; p. 934.
- Cabinet for cigarettes and other articles, Delivery-. W. H. Ross. No. 1,065,472; June 24; Gaz. vol. 191; p. 887.
- Cabinet for desk implements. G. De la Torre. No. 1,055,146; Mar. 4; Gaz. vol. 188; p. 166.
- Cabinet for disk records. P. J. Robinson. No. 1,082,361; Dec. 23; Gaz. vol. 197; p. 932.
- Cabinet for provisions, Window. E. N. McColl. No. 1,062,409; May 20; Gaz. vol. 190; p. 704.
- Cabinet-furnace, Duplex ventilating hot-air. P. J. Montgomery. No. 1,051,432; Jan. 28; Gaz. vol. 186; p. 823.
- Cabinet, Ironing-. F. E. Beagle. No. 1,054,816; Mar. 4; Gaz. vol. 188; p. 57.
- Cabinet, Kitchen-. J. H. Stiggleman. No. 1,052,101; Feb. 4; Gaz. vol. 187; p. 89.
- Cabinet, Kitchen-. C. J. Conser. No. 1,055,519; Mar. 11; Gaz. vol. 188; p. 327.
- Cabinet, Kitchen-. J. A. Ward. No. 1,058,502; Apr. 8; Gaz. vol. 189; p. 425.
- Cabinet, Kitchen-. S. C. Forgy. No. 1,066,006; July 1; Gaz. vol. 192; p. 36.
- Cabinet, Kitchen-. H. J. Ritter. No. 1,081,151; Dec. 9; Gaz. vol. 197; p. 455.
- Cabinet, Lace-. W. Morrison. No. 1,067,749; July 15; Gaz. vol. 192; p. 701.
- Cabinet, Lavatory-. G. N. Durette. No. 1,053,794; Feb. 18; Gaz. vol. 187; p. 744.
- Cabinet, Medicine-. J. B. Lanoue. No. 1,071,760; Sept. 2; Gaz. vol. 194; p. 32.
- Cabinet, Metallic kitchen-. L. F. and J. McClernan. No. 1,079,507; Nov. 25; Gaz. vol. 196; p. 873.
- Cabinet, Multicompartment. G. Robbins. No. 1,056,835; Mar. 25; Gaz. vol. 188; p. 837.
- Cabinet, Paper-. J. Welsh. No. 1,069,747; Aug. 12; Gaz. vol. 193; p. 257.
- Cabinet plate-check, Card-. W. H. Hawkins. No. 1,058,236; Apr. 8; Gaz. vol. 189; p. 333.
- Cabinet, Portable developing-. C. V. Monk. No. 1,050,843; Jan. 21; Gaz. vol. 186; p. 588.
- Cabinet, Printer's. F. M. Bashellier. No. 1,057,372; Mar. 25; Gaz. vol. 188; p. 1020.
- Cabinet, Ribbon-. R. O. Daniel. No. 1,083,196; Dec. 30; Gaz. vol. 197; p. 1244.
- Cabinet, Roller-towel. F. O. Hendrick. No. 1,050,539; Jan. 14; Gaz. vol. 186; p. 452.
- Cabinet, Safety towel-. H. Solomon. No. 1,080,855; Dec. 9; Gaz. vol. 197; p. 359.
- Cabinet, Spool-. C. A. Jones. No. 1,070,611; Aug. 19; Gaz. vol. 193; p. 595.
- Cabinet-table. S. T. Whitaker. No. 1,051,793; Jan. 28; Gaz. vol. 186; p. 942.
- Cabinet, Toilet-. A. Gaal. No. 1,062,962; May 27; Gaz. vol. 190; p. 928.
- Cabinets, Attachment for. W. E. Austin. No. 1,077,027; Oct. 28; Gaz. vol. 195; p. 954.
- Cabinets, &c., Chain for filing-. C. W. Zimmer and G. W. Benjamin. No. 1,082,298; Dec. 23; Gaz. vol. 197; p. 910.
- Cabinets, Fastener for panel-. H. A. Fisher. No. 1,051,948; Feb. 4; Gaz. vol. 187; p. 35.
- Cable. T. Gore. No. 1,071,734; Sept. 2; Gaz. vol. 194; p. 22.
- Cable. T. Gore. No. 1,076,759; Oct. 28; Gaz. vol. 195; p. 859.
- Cable and tube coupling. T. W. Dodd. No. 1,070,948; Aug. 19; Gaz. vol. 193; p. 704.
- Cable-carrier apparatus. L. W. Chism. No. 1,055,258; Mar. 4; Gaz. vol. 188; p. 201.
- Cable-carrier apparatus. G. A. Amsden. No. 1,065,893; June 24; Gaz. vol. 191; p. 1029.

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- Cable-carrier apparatus. G. A. Amsden. No. 1,076,937; Oct. 28; Gaz. vol. 195; p. 923.
- Cable-clamp. M. Wachtel. No. 1,051,358; Jan. 21; Gaz. vol. 186; p. 764.
- Cable-clamp. E. W. Marshall. No. 1,060,006; Apr. 29; Gaz. vol. 189; p. 1053.
- Cable-clamp. J. E. Ogden. No. 1,060,014; Apr. 29; Gaz. vol. 189; p. 1056.
- Cable-clamp. J. E. Ogden. No. 1,060,015; Apr. 29; Gaz. vol. 189; p. 1056.
- Cable-clamp. J. E. Ogden. No. 1,060,016; Apr. 29; Gaz. vol. 189; p. 1056.
- Cable-clamp. M. Wachtel. No. 1,060,386; Apr. 29; Gaz. vol. 189; p. 1185.
- Cable-clamp. G. R. Eddebuettel-Reimers. No. 1,069,400; Aug. 5; Gaz. vol. 193; p. 109.
- Cable clasp, Wire. W. Cahill and L. A. Chattelle. No. 1,077,257; Nov. 4; Gaz. vol. 196; p. 6.
- Cable-clip. H. A. Bettney. No. 1,065,107; June 17; Gaz. vol. 191; p. 727.
- Cable-connector. B. Julien. No. 1,059,165; Apr. 15; Gaz. vol. 189; p. 691.
- Cable-connector. F. Kratz. No. 1,070,899; Aug. 19; Gaz. vol. 193; p. 689.
- Cable-cutter. J. E. Gilchrist. No. 1,078,191; Nov. 11; Gaz. vol. 196; p. 357.
- Cable-cutting device. W. T. Quinlin. No. 1,075,439; Oct. 14; Gaz. vol. 195; p. 321.
- Cable distributing system, Alternating-current. A. E. Tanner and E. A. Claremont. No. 1,050,250; Jan. 14; Gaz. vol. 186; p. 349.
- Cable, Drilling-. T. Gore. No. 1,055,326; Mar. 11; Gaz. vol. 188; p. 261.
- Cable, Forming. F. R. McBerty. No. 1,062,347; May 20; Gaz. vol. 190; p. 683.
- Cable-grip. W. J. Parker and A. A. Strom. No. 1,080,472; Dec. 2; Gaz. vol. 197; p. 193.
- Cable-grip mechanism. R. F. Arnott. No. 1,066,780; July 8; Gaz. vol. 192; p. 336.
- Cable-hanger. A. L. Cooper. No. 1,054,750; Mar. 4; Gaz. vol. 188; p. 33.
- Cable-hanger. C. Lingle. No. 1,056,559; Mar. 18; Gaz. vol. 188; p. 715.
- Cable-hanger. F. B. Hall. No. 1,058,364; Apr. 8; Gaz. vol. 189; p. 378.
- Cable-hanger. J. J. Walsh. No. 1,080,130; Dec. 2; Gaz. vol. 197; p. 74.
- Cable-hangers to their supporting-wires, Tool for attaching aerial. J. C. Kortick. No. 1,072,742; Sept. 9; Gaz. vol. 194; p. 395.
- Cable-hauling engine. O. Potter. (Reissue.) No. 13,546; Mar. 25; Gaz. vol. 188; p. 1029.
- Cable-roller. F. N. Bierce. No. 1,061,895; May 13; Gaz. vol. 190; p. 487.
- Cable-saving device. J. Dailey and D. Bertolino. No. 1,075,405; Oct. 14; Gaz. vol. 195; p. 309.
- Cable-section coupling. S. A. Armstrong and P. T. Aumend. No. 1,075,079; Oct. 7; Gaz. vol. 195; p. 169.
- Cable-splice. H. S. Snyder and R. Metz. No. 1,060,644; May 6; Gaz. vol. 190; p. 27.
- Cable, Submarine. F. Jacob. No. 1,077,140; Oct. 28; Gaz. vol. 195; p. 988.
- Cable-support. A. E. Norris. No. 1,057,660; Apr. 1; Gaz. vol. 189; p. 90.
- Cable-supporting device. F. P. Kobert. No. 1,050,364; Jan. 14; Gaz. vol. 186; p. 390.
- Cable-winding mechanism. F. L. Sessions. No. 1,069,037; July 29; Gaz. vol. 192; p. 1215.
- Cables, Forming driving-blocks upon multiple-wire. A. Doxford. No. 1,059,124; Apr. 15; Gaz. vol. 189; p. 679.
- Cables, Laying submarine power and other electric. A. J. Pahl. No. 1,060,785; May 6; Gaz. vol. 190; p. 75.
- Cables, Support for conduit. E. H. Smith. No. 1,079,445; Nov. 25; Gaz. vol. 196; p. 851.
- Cables, Tap for multiple-conductor metallic-sheathed. H. E. Adams. No. 1,056,483; Mar. 18; Gaz. vol. 188; p. 687.
- Cables, Terminal connector for concentric-conductor. F. Kratz and R. Wagner. No. 1,079,130; Nov. 18; Gaz. vol. 196; p. 715.
- Cables, Working submarine. J. Gott. No. 1,056,533; Mar. 18; Gaz. vol. 188; p. 707.
- Cableway. J. F. Clapp. No. 1,064,887; June 17; Gaz. vol. 191; p. 654.
- Cableway. R. Petersen. No. 1,068,074; July 22; Gaz. vol. 192; p. 844.
- Cableway. R. Petersen. No. 1,068,164; July 22; Gaz. vol. 192; p. 874.
- Cableway. E. D. Swan. No. 1,074,140; Sept. 30; Gaz. vol. 194; p. 970.
- Cableway. C. C. Sunderland. No. 1,077,921; Nov. 4; Gaz. vol. 196; p. 233.
- Cableway. F. Halterman. No. 1,080,827; Dec. 9; Gaz. vol. 197; p. 350.
- Cableway. F. Halterman. No. 1,080,828; Dec. 9; Gaz. vol. 197; p. 350.
- Cableway, Marine. T. S. Miller. No. 1,076,599; Oct. 21; Gaz. vol. 195; p. 749.
- Cactus-burner. A. Ploch. No. 1,058,900; Apr. 15; Gaz. vol. 189; p. 601.
- Caisson construction. E. Bignell. No. 1,066,984; July 8; Gaz. vol. 192; p. 404.
- Caisson construction. C. C. Conkling. No. 1,071,985; Sept. 2; Gaz. vol. 194; p. 108.
- Caissons, Air-lock for. S. Mattson. No. 1,049,888; Jan. 7; Gaz. vol. 186; p. 193.
- Caissons and joining them. J. W. Doty. No. 1,068,228; July 22; Gaz. vol. 192; p. 897.
- Cake-cutting machine. E. E. Lawrence. No. 1,052,597; Feb. 11; Gaz. vol. 187; p. 289.
- Cake-former. N. W. L. Brown. No. 1,049,336; Jan. 7; Gaz. vol. 186; p. 6.
- Cake-turner. A. F. Elkins. No. 1,066,091; July 1; Gaz. vol. 192; p. 66.
- Calcium carbide, Producing. M. W. Murray. No. 1,060,206; Apr. 29; Gaz. vol. 189; p. 1120.
- Calcium cyanamid non-dusting, Rendering. F. S. Washburn. No. 1,049,953; Jan. 7; Gaz. vol. 186; p. 214.
- Calcium cyanamid, Treating commercial. F. S. Washburn. No. 1,053,761; Feb. 18; Gaz. vol. 187; p. 733.
- Calculating and making unalterable records. C. A. Bishop. No. 1,065,501; June 24; Gaz. vol. 191; p. 897.
- Calculating and printing machine. H. R. Cowan. No. 1,077,220; Oct. 28; Gaz. vol. 195; p. 1014.
- Calculating and type-writing machine. C. F. Laganke and J. A. Smith. No. 1,070,142; Aug. 12; Gaz. vol. 193; p. 392.
- Calculating device. C. P. Coe. No. 1,049,997; Jan. 7; Gaz. vol. 186; p. 229.
- Calculating device. S. R. Lamb. (Reissue.) No. 13,569; May 27; Gaz. vol. 190; p. 1000.
- Calculating elapsed-time values, Means for. J. I. Liner and R. Graham-Woodward. No. 1,069,964; Aug. 12; Gaz. vol. 193; p. 330.
- Calculating instrument. W. S. Buvinger. No. 1,058,148; Apr. 8; Gaz. vol. 189; p. 302.
- Calculating-machine. A. Pentecost. No. 1,049,527; Jan. 7; Gaz. vol. 186; p. 70.
- Calculating-machine. W. W. Hopkins. No. 1,049,716; Jan. 7; Gaz. vol. 186; p. 136.
- Calculating-machine. F. C. Rinsche. No. 1,050,041; Jan. 7; Gaz. vol. 186; p. 245.
- Calculating-machine. F. Trinks. No. 1,051,785; Jan. 28; Gaz. vol. 186; p. 940.
- Calculating-machine. C. H. Tallmadge. No. 1,051,827; Jan. 28; Gaz. vol. 186; p. 954.
- Calculating-machine. C. L. Nelson. No. 1,052,437; Feb. 4; Gaz. vol. 187; p. 203.
- Calculating-machine. B. Behr. No. 1,055,856; Mar. 11; Gaz. vol. 188; p. 440.
- Calculating-machine. S. J. Herzstark. No. 1,058,303; Apr. 8; Gaz. vol. 189; p. 355.
- Calculating-machine. J. O. Almen. No. 1,060,878; May 6; Gaz. vol. 190; p. 109.
- Calculating-machine. H. E. Goldberg. No. 1,061,606; May 13; Gaz. vol. 190; p. 395.
- Calculating-machine. J. C. Wahl. No. 1,062,309; May 20; Gaz. vol. 190; p. 672.
- Calculating-machine. E. L. De Forest. No. 1,064,451; June 10; Gaz. vol. 191; p. 474.
- Calculating-machine. D. E. Felt. No. 1,066,096; July 1; Gaz. vol. 192; p. 68.
- Calculating-machine. H. Goldman. No. 1,068,051; July 22; Gaz. vol. 192; p. 836.
- Calculating-machine. A. Connio. No. 1,068,982; July 29; Gaz. vol. 192; p. 1197.
- Calculating-machine. F. H. Bickford. No. 1,069,104; Aug. 5; Gaz. vol. 193; p. 5.
- Calculating-machine. E. Schuster. No. 1,069,481; Aug. 5; Gaz. vol. 193; p. 138.
- Calculating-machine. W. W. Hopkins. No. 1,069,953; Aug. 12; Gaz. vol. 193; p. 327.
- Calculating-machine. W. W. Hopkins. No. 1,070,034; Aug. 12; Gaz. vol. 193; p. 355.
- Calculating-machine. F. Trinks. No. 1,072,324; Sept. 2; Gaz. vol. 194; p. 220.
- Calculating-machine. A. Knistrom. No. 1,072,740; Sept. 9; Gaz. vol. 194; p. 395.
- Calculating-machine. D. E. Felt. No. 1,072,933; Sept. 9; Gaz. vol. 194; p. 465.
- Calculating-machine. D. E. Felt and J. A. V. Turck. No. 1,072,934; Sept. 9; Gaz. vol. 194; p. 466.
- Calculating-machine. D. E. Felt. No. 1,074,704; Oct. 7; Gaz. vol. 195; p. 41.
- Calculating-machine. D. E. Felt. No. 1,074,705; Oct. 7; Gaz. vol. 195; p. 42.
- Calculating-machine. M. Barr and E. R. Clarke. No. 1,075,003; Oct. 7; Gaz. vol. 195; p. 141.
- Calculating-machine. F. Trinks. No. 1,075,073; Oct. 7; Gaz. vol. 195; p. 168.
- Calculating-machine. H. E. Goldberg. No. 1,076,110; Oct. 21; Gaz. vol. 195; p. 579.
- Calculating-machine. A. Hantsch. No. 1,077,274; Nov. 4; Gaz. vol. 196; p. 10.
- Calculating-machine. F. S. Baldwin. No. 1,080,245; Dec. 2; Gaz. vol. 197; p. 114.
- Calculating-machine. H. Hopkins. No. 1,080,694; Dec. 9; Gaz. vol. 197; p. 300.

Alphabetical list of inventions—Continued.

- Calculating-machine. W. F. Gatewood and J. D. McAdams. No. 1,080,907; Dec. 9; Gaz. vol. 197; p. 373.
- Calculating-machine. C. A. Bishop. No. 1,081,089; Dec. 9; Gaz. vol. 197; p. 433.
- Calculating-machine. F. Trinks. No. 1,081,172; Dec. 9; Gaz. vol. 197; p. 462.
- Calculating-machine. E. Jahnz. No. 1,081,310; Dec. 16; Gaz. vol. 197; p. 546.
- Calculating-machine. F. Trinks. No. 1,081,791; Dec. 16; Gaz. vol. 197; p. 706.
- Calculating-machine keyboard. C. V. Wilgus. No. 1,066,690; July 8; Gaz. vol. 192; p. 305.
- Calculating-machine resetting mechanism. F. Stemmler and C. Schaller. No. 1,061,137; May 6; Gaz. vol. 190; p. 198.
- Calculating-machines, Adjusting device for paper-carriages of. B. Behr. No. 1,050,093; Jan. 14; Gaz. vol. 186; p. 298.
- Calculating-machines, Reversing mechanism for. A. Hantsch. No. 1,074,087; Sept. 23; Gaz. vol. 194; p. 923.
- Calculating-machines, Transfer mechanism for. H. W. Clement. No. 1,078,662; Nov. 18; Gaz. vol. 196; p. 551.
- Calculating mechanism. F. A. Poole. No. 1,056,578; Mar. 18; Gaz. vol. 188; p. 721.
- Calculating-register. A. G. Black. No. 1,074,347; Sept. 30; Gaz. vol. 194; p. 1038.
- Calculations, Apparatus for effecting. C. A. Bishop. No. 1,065,500; June 24; Gaz. vol. 191; p. 896.
- Calculator. M. L. Cleary. No. 1,061,819; May 13; Gaz. vol. 190; p. 463.
- Calculator. J. F. Jarrell. No. 1,068,390; July 22; Gaz. vol. 192; p. 953.
- Calculator. C. A. Meilicke. No. 1,079,712; Nov. 25; Gaz. vol. 196; p. 944.
- Calculator, Interest-. J. B. Moody. No. 1,060,997; May 6; Gaz. vol. 190; p. 152.
- Calculator, Slide-disk. J. A. Scheibh. No. 1,075,124; Oct. 7; Gaz. vol. 195; p. 184.
- Calculator, Time-. K. M. Morrison. No. 1,077,736; Nov. 4; Gaz. vol. 196; p. 169.
- Calendar. J. I. Fisher. No. 1,051,495; Jan. 28; Gaz. vol. 186; p. 845.
- Calendar. H. E. Shedd. No. 1,061,133; May 6; Gaz. vol. 190; p. 197.
- Calendar. M. McGovern. No. 1,063,814; June 3; Gaz. vol. 191; p. 222.
- Calendar. S. M. Alk. No. 1,067,208; July 8; Gaz. vol. 192; p. 480.
- Calendar and pencil, Combined. L. D. Levy. No. 1,070,496; Aug. 19; Gaz. vol. 193; p. 556.
- Calendar, Automatic. A. T. Zabriskie. No. 1,073,206; Sept. 16; Gaz. vol. 194; p. 597.
- Calendar, Memorandum-pad. F. A. Weeks. No. 1,049,428; Jan. 7; Gaz. vol. 186; p. 37.
- Calendar, Perpetual. A. J. Kelly. No. 1,053,610; Feb. 18; Gaz. vol. 187; p. 681.
- Calendar, Perpetual. H. F. Eils. No. 1,064,136; June 10; Gaz. vol. 191; p. 366.
- Calendar, Perpetual. L. V. Aronson. No. 1,065,101; June 17; Gaz. vol. 191; p. 725.
- Calendar, Perpetual. N. Mohlin. No. 1,066,642; July 8; Gaz. vol. 192; p. 287.
- Calendar, Perpetual. J. J. O'Brien. (Reissue.) No. 1,359,3; July 8; Gaz. vol. 192; p. 492.
- Calendar, Perpetual memorandum-. F. A. Hale. No. 1,064,826; June 17; Gaz. vol. 191; p. 635.
- Calendar, Procrastinator's. G. H. Townsend, II. No. 1,070,084; Aug. 12; Gaz. vol. 193; p. 371.
- Calendar-stand. N. L. Jacobus. No. 1,052,000; Feb. 4; Gaz. vol. 187; p. 53.
- Calendar-stand. N. L. Jacobus. No. 1,065,613; June 24; Gaz. vol. 191; p. 934.
- Calipers. F. Bauer. No. 1,058,403; Apr. 8; Gaz. vol. 189; p. 392.
- Calipers. A. Johnes. No. 1,061,614; May 13; Gaz. vol. 190; p. 398.
- Calipers. M. Benovsky. No. 1,075,083; Oct. 7; Gaz. vol. 195; p. 171.
- Calipers and square, Combined centering-. H. H. Heintzelman. No. 1,066,273; July 1; Gaz. vol. 192; p. 132.
- Calipers, Attachment for micrometer-. G. P. Kline. No. 1,074,552; Sept. 30; Gaz. vol. 194; p. 1104.
- Calipers, Micrometer-. M. Kunik. No. 1,070,816; Aug. 19; Gaz. vol. 193; p. 663.
- Calipers, Micrometer-. J. H. Müller. No. 1,075,929; Oct. 14; Gaz. vol. 195; p. 488.
- Calk-fastener. J. H. Hershberger. No. 1,072,006; Sept. 2; Gaz. vol. 194; p. 116.
- Calk-forming machine, Heel-. M. L. Gardner. No. 1,078,345; Nov. 11; Gaz. vol. 196; p. 412.
- Calk-plugging machine. J. Reckenthaler. No. 1,060,124; Apr. 29; Gaz. vol. 189; p. 1091.
- Calk-tongs. J. Caspers. No. 1,061,047; May 6; Gaz. vol. 190; p. 170.
- Call apparatus, Search-. A. F. Boardman. No. 1,079,467; Nov. 25; Gaz. vol. 196; p. 860.
- Call-register. H. P. Clausen and W. T. Curtis. No. 1,078,772; Nov. 18; Gaz. vol. 196; p. 592.
- Calling apparatus, Pneumatically-operated. F. Fornaroli. No. 1,051,096; Jan. 21; Gaz. vol. 186; p. 678.
- Calling device. F. R. McBerty. No. 1,059,944; Apr. 22; Gaz. vol. 189; p. 988.
- Calling-key, Selective. M. F. Geer and R. C. Leake. No. 1,076,278; Oct. 21; Gaz. vol. 195; p. 634.
- Caloric engine. L. Anderson and E. F. Engel. No. 1,073,065; Sept. 9; Gaz. vol. 194; p. 512.
- Calorimeter. J. R. Bibbins. No. 1,055,699; Mar. 11; Gaz. vol. 188; p. 387.
- Cam-and-tappet mechanism. E. A. Wall. No. 1,049,552; Jan. 7; Gaz. vol. 186; p. 81.
- Cam, Controlling-. C. M. Walker. No. 1,075,799; Oct. 14; Gaz. vol. 195; p. 444.
- Camera. H. Cronjager. No. 1,056,507; Mar. 18; Gaz. vol. 188; p. 696.
- Camera. A. Voris. No. 1,081,173; Dec. 9; Gaz. vol. 197; p. 462.
- Camera. G. C. Beidler. No. 1,082,727; Dec. 30; Gaz. vol. 197; p. 1090.
- Camera and projecting apparatus, Kinematographic. W. Chipperfield. No. 1,079,108; Nov. 18; Gaz. vol. 196; p. 707.
- Camera and projecting apparatus, Kinematographic. W. Chipperfield. No. 1,082,305; Dec. 23; Gaz. vol. 197; p. 913.
- Camera apparatus. H. C. Jones. No. 1,055,539; Mar. 11; Gaz. vol. 188; p. 333.
- Camera attachment. J. N. Johnson. No. 1,053,400; Feb. 18; Gaz. vol. 187; p. 609.
- Camera attachment. S. E. Moine. No. 1,062,247; May 20; Gaz. vol. 190; p. 651.
- Camera attachment. C. O. Harper. No. 1,068,895; July 29; Gaz. vol. 192; p. 1168.
- Camera attachment. G. A. Roberds. No. 1,069,293; Aug. 5; Gaz. vol. 193; p. 72.
- Camera-back. W. F. Folmer. No. 1,060,748; May 6; Gaz. vol. 190; p. 63.
- Camera-back. O. Petermann. No. 1,066,941; July 8; Gaz. vol. 192; p. 390.
- Camera-back, Multiplying. W. F. Folmer. No. 1,061,736; May 13; Gaz. vol. 190; p. 440.
- Camera-feeding mechanism. G. S. Dey. No. 1,057,412; Apr. 1; Gaz. vol. 189; p. 7.
- Camera, Film-. A. E. Harper and H. H. Riggs. No. 1,073,982; Sept. 23; Gaz. vol. 194; p. 889.
- Camera flash-light attachment. P. Dietz. No. 1,080,543; Dec. 9; Gaz. vol. 197; p. 250.
- Camera focusing device. H. T. Oliver. No. 1,076,694; Oct. 28; Gaz. vol. 195; p. 836.
- Camera focusing-hood. W. F. Folmer. No. 1,060,834; May 6; Gaz. vol. 190; p. 93.
- Camera into a focal-plane-shutter camera, Means for converting an ordinary roll-film. J. Barberie. No. 1,075,751; Oct. 14; Gaz. vol. 195; p. 427.
- Camera, Moving-picture. H. L. Fritz. No. 1,070,954; Aug. 19; Gaz. vol. 193; p. 706.
- Camera, Panoramic. J. A. Reeves. No. 1,071,346; Aug. 26; Gaz. vol. 193; p. 873.
- Camera, Photographic. A. Vautier-Dufour. No. 1,051,034; Jan. 21; Gaz. vol. 186; p. 656.
- Camera, Photographic. W. C. Huebner. No. 1,051,591; Jan. 28; Gaz. vol. 186; p. 877.
- Camera, Photographic. C. J. Schneider. No. 1,053,067; Feb. 11; Gaz. vol. 187; p. 450.
- Camera, Photographic. A. Vautier-Dufour. No. 1,058,501; Apr. 8; Gaz. vol. 189; p. 425.
- Camera, Photographic. J. Linder. No. 1,060,610; May 6; Gaz. vol. 190; p. 16.
- Camera, Photographic. A. G. Pickard. No. 1,061,115; May 6; Gaz. vol. 190; p. 190.
- Camera, Photographic. J. Goddard. No. 1,068,889; July 29; Gaz. vol. 192; p. 1166.
- Camera plate-holder. W. J. Thompson. No. 1,049,944; Jan. 7; Gaz. vol. 186; p. 211.
- Camera plate-holder. W. J. Thompson. No. 1,079,810; Nov. 25; Gaz. vol. 196; p. 981.
- Camera, Portable kinematographic. C. de Proszynski. No. 1,052,956; Feb. 11; Gaz. vol. 187; p. 413.
- Camera reel-actuating device. A. R. Whitman. No. 1,062,313; May 20; Gaz. vol. 190; p. 673.
- Camera shutter. Photographic-. A. G. Pickard. No. 1,077,157; Oct. 28; Gaz. vol. 195; p. 993.
- Cameras, Focusing attachment for. W. H. Boehler. No. 1,070,005; Aug. 12; Gaz. vol. 193; p. 345.
- Cameras for making stereoscopic moving-picture films, Attachment for taking-. A. Wayditch. No. 1,071,837; Sept. 2; Gaz. vol. 194; p. 58.
- Cameras, Multiple-exposure attachment for. N. Rusk. No. 1,056,588; Mar. 18; Gaz. vol. 188; p. 724.
- Cameras, Multiple-exposure attachment for. R. G. Digweed. No. 1,068,862; July 29; Gaz. vol. 192; p. 1156.
- Cameras, Parallel adjustment mechanism for. E. B. Cooper. No. 1,071,299; Aug. 26; Gaz. vol. 193; p. 857.
- Cameras, Plate-holding attachment for film-. H. S. Buller. No. 1,067,971; July 22; Gaz. vol. 192; p. 809.
- Cameras, Shutter-operating mechanism for photographic. R. Heidecke. No. 1,075,101; Oct. 7; Gaz. vol. 195; p. 176.

Alphabetical list of inventions—Continued.

- Camphor from borneol or isoborneol, Manufacture of. C. Ruder. No. 1,066,758; July 8; Gaz. vol. 192; p. 330.
- Can: See Dispensing-can; Garbage-can; Heat-insulated can; Ice-can; Milk-can; Oil-can; Oyster-can; Paper-walled can; Powder-can; Sardine-can; Seal-locked can; Sheet-metal can; Sifting-top can; Slip-cover can; Tin can; Watering-can.
- Can. W. J. Phelps. No. 1,049,763; Jan. 7; Gaz. vol. 186; p. 152.
- Can. R. H. Kissinger. No. 1,060,767; May 6; Gaz. vol. 190; p. 69.
- Can. L. N. Ritten. No. 1,062,118; May 20; Gaz. vol. 190; p. 606.
- Can. C. E. Combs. No. 1,062,440; May 20; Gaz. vol. 190; p. 713.
- Can. J. L. Jones. No. 1,063,883; June 3; Gaz. vol. 191; p. 243.
- Can. J. F. Montgomery. No. 1,079,572; Nov. 25; Gaz. vol. 196; p. 896.
- Can and faucet for same. L. I. Weed. No. 1,070,864; Aug. 19; Gaz. vol. 193; p. 678.
- Can and similar receptacle. G. W. Cole. No. 1,051,688; Jan. 28; Gaz. vol. 186; p. 909.
- Can attachment, Oil-. L. H. Burchett. No. 1,075,691; Oct. 14; Gaz. vol. 195; p. 407.
- Can-body blanks, Edge-forming mechanism for. C. W. Graham. No. 1,055,973; Mar. 11; Gaz. vol. 188; p. 478.
- Can-body flanger. F. Brückmann, Jr. and O. Dempewolf. No. 1,049,663; Jan. 7; Gaz. vol. 186; p. 119.
- Can-body-flanging machine. F. Rudolphi. No. 1,055,418; Mar. 11; Gaz. vol. 188; p. 293.
- Can-body-forming machine. C. W. Graham. No. 1,063,918; June 3; Gaz. vol. 191; p. 256.
- Can-body-forming machines, Jaw-motion for. C. W. Graham. No. 1,055,974; Mar. 11; Gaz. vol. 188; p. 479.
- Can-body machines, Blank-feeding mechanism for. W. J. Phelps. No. 1,058,258; Apr. 8; Gaz. vol. 189; p. 340.
- Can-body-making machine. F. Rudolphi. No. 1,082,557; Dec. 30; Gaz. vol. 197; p. 1030.
- Can-body-making machine. J. E. Schenck. No. 1,082,559; Dec. 30; Gaz. vol. 197; p. 1031.
- Can, box, or the like opening device. P. Scholz. No. 1,081,939; Dec. 16; Gaz. vol. 197; p. 755.
- Can-cap placer. P. S., P. H., O. P., and E. N. Kohler. No. 1,054,215; Feb. 25; Gaz. vol. 187; p. 924.
- Can-carrier. A. E. Peppe. No. 1,080,578; Dec. 9; Gaz. vol. 197; p. 261.
- Can-closing machine. D. P. Robinson. No. 1,070,182; Aug. 12; Gaz. vol. 193; p. 406.
- Can-closure. G. Boehmler. No. 1,068,965; July 29; Gaz. vol. 192; p. 1193.
- Can closure, Oil-. W. G. Mahaffy. No. 1,060,197; Apr. 29; Gaz. vol. 189; p. 1116.
- Can container and milk-server, Milk-. W. T. Duncan. No. 1,072,588; Sept. 9; Gaz. vol. 194; p. 343.
- Can container and perforator, Combined. H. A. Javins. No. 1,060,258; Apr. 29; Gaz. vol. 189; p. 1139.
- Can container and perforator, Combined. L. H. Peltason. No. 1,075,723; Oct. 14; Gaz. vol. 195; p. 417.
- Can-cover. E. M. Peacock. No. 1,064,532; June 10; Gaz. vol. 191; p. 501.
- Can cover and tag-holder, Milk-. C. Johnson. No. 1,053,291; Feb. 18; Gaz. vol. 187; p. 571.
- Can-cover, Cylindric. C. L. Wagandt. No. 1,077,235; Oct. 28; Gaz. vol. 195; p. 1019.
- Can-cover fastener, Milk-. J. P. Anderson. No. 1,074,308; Sept. 30; Gaz. vol. 194; p. 1026.
- Can-cover gasket-ring machine. L. C. Sharp. No. 1,051,643; Jan. 28; Gaz. vol. 186; p. 894.
- Can-cover lock and seal, Milk-. F. A. Ariens. No. 1,082,726; Dec. 30; Gaz. vol. 197; p. 1090.
- Can cover, Milk-. R. O. Thompson. No. 1,053,756; Feb. 18; Gaz. vol. 187; p. 731.
- Can-cover, Temporary. O. Stankey. No. 1,050,309; Jan. 14; Gaz. vol. 186; p. 370.
- Can-deheading machine. T. D. Miller. No. 1,058,379; Apr. 8; Gaz. vol. 189; p. 384.
- Can-double-seaming machine. E. W. Conradi. No. 1,077,393; Nov. 4; Gaz. vol. 196; p. 53.
- Can-end-coating machine. E. Norton. No. 1,060,112; Apr. 29; Gaz. vol. 189; p. 1087.
- Can feed and transfer mechanism. C. H. Ayars. No. 1,075,891; Oct. 14; Gaz. vol. 195; p. 474.
- Can filler, Automatic milk-. J. W. Müller. No. 1,049,901; Jan. 7; Gaz. vol. 186; p. 197.
- Can filler, Milk-. C. A. Patton. No. 1,081,982; Dec. 23; Gaz. vol. 197; p. 799.
- Can-filling apparatus. W. J. Phelps. No. 1,058,094; Apr. 8; Gaz. vol. 189; p. 283.
- Can-filling apparatus. W. J. Phelps. No. 1,058,095; Apr. 8; Gaz. vol. 189; p. 284.
- Can-filling apparatus. F. L. Jefferies and W. Spain. No. 1,079,495; Nov. 25; Gaz. vol. 196; p. 869.
- Can-filling machine. W. J. Phelps. No. 1,054,610; Feb. 25; Gaz. vol. 187; p. 1057.
- Can-filling machine. W. J. Phelps. No. 1,058,093; Apr. 8; Gaz. vol. 189; p. 283.
- Can-filling machine. W. J. Phelps. No. 1,058,096; Apr. 8; Gaz. vol. 189; p. 285.
- Can-filling machine. W. J. Phelps. No. 1,058,097; Apr. 8; Gaz. vol. 189; p. 285.
- Can-filling machine. C. H. Ayars. No. 1,078,067; Sept. 9; Gaz. vol. 194; p. 513.
- Can flanging and double-seaming machine. A. Johnson. No. 1,055,467; Mar. 11; Gaz. vol. 188; p. 310.
- Can for preserving food products. E. M. Lang, Jr. No. 1,056,914; Mar. 25; Gaz. vol. 188; p. 865.
- Can-gripping device. P. Kruse. No. 1,074,630; Oct. 7; Gaz. vol. 195; p. 15.
- Can-head automatic feeding mechanism. P. Kruse. No. 1,058,372; Apr. 8; Gaz. vol. 189; p. 381.
- Can-head-feed mechanism. A. Johnson. No. 1,074,325; Sept. 30; Gaz. vol. 194; p. 1031.
- Can-heading machine. L. C. Sharp. No. 1,082,562; Dec. 30; Gaz. vol. 197; p. 1032.
- Can holder, Oil-. C. W. Beck. No. 1,060,885; May 6; Gaz. vol. 190; p. 112.
- Can-marking machine. F. P. Ryder. No. 1,049,924; Jan. 7; Gaz. vol. 186; p. 205.
- Can-marking machine. H. G. Ginaca. No. 1,066,488; July 8; Gaz. vol. 192; p. 232.
- Can-marking machine, Gravity-feed. E. A. Vary. No. 1,080,504; Dec. 2; Gaz. vol. 197; p. 204.
- Can-opener. G. M. Whitcomb. No. 1,052,297; Feb. 4; Gaz. vol. 187; p. 155.
- Can-opener. W. Whitfield. No. 1,052,298; Feb. 4; Gaz. vol. 187; p. 156.
- Can-opener. T. T. Lecroy. No. 1,068,507; July 29; Gaz. vol. 192; p. 1032.
- Can-opener. H. J. Schmidt. No. 1,070,357; Aug. 12; Gaz. vol. 193; p. 465.
- Can-opener. A. Morell. No. 1,070,980; Aug. 19; Gaz. vol. 193; p. 715.
- Can-opener. J. B. Loureiro. No. 1,073,502; Sept. 16; Gaz. vol. 194; p. 701.
- Can-opener. J. M. Purdy. No. 1,076,231; Oct. 21; Gaz. vol. 195; p. 619.
- Can-opener. G. W. Johnson. No. 1,080,636; Dec. 9; Gaz. vol. 197; p. 280.
- Can-opener. F. C. Wilson. No. 1,081,645; Dec. 16; Gaz. vol. 197; p. 657.
- Can opener and closure. J. Fountain. No. 1,061,602; May 13; Gaz. vol. 190; p. 394.
- Can-opener and combination implement. J. H. Boye. No. 1,070,006; Aug. 12; Gaz. vol. 193; p. 346.
- Can-opening device. I. Johnson. No. 1,057,842; Apr. 1; Gaz. vol. 189; p. 154.
- Can-opening device, Sheet-metal-. P. Scholz. No. 1,078,311; Nov. 11; Gaz. vol. 196; p. 401.
- Can-perforating attachment. G. Buttress. No. 1,078,535; Nov. 11; Gaz. vol. 196; p. 476.
- Can-puncturing and pouring attachment. L. Colwell. No. 1,069,388; Aug. 5; Gaz. vol. 193; p. 106.
- Can slip-cover, Oyster-. F. Murphy. No. 1,070,832; Aug. 19; Gaz. vol. 193; p. 668.
- Can-spout. W. L. Herblin. No. 1,056,790; Mar. 25; Gaz. vol. 188; p. 823.
- Can-spout closure. D. B. Tamagno. No. 1,056,855; Mar. 25; Gaz. vol. 188; p. 844.
- Can spout, Oil-. J. D. Melvin. No. 1,072,481; Sept. 9; Gaz. vol. 194; p. 305.
- Can stopper attachment. E. M. De Laney and H. M. Bryant. No. 1,082,850; Dec. 30; Gaz. vol. 197; p. 1133.
- Can-tester, Electrically-driven. C. Downing. No. 1,072,837; Sept. 9; Gaz. vol. 194; p. 430.
- Can-testing machine. W. G. Moffet. No. 1,059,381; Apr. 22; Gaz. vol. 189; p. 802.
- Can-tilting apparatus. J. P. Baxter, Jr. No. 1,064,277; June 10; Gaz. vol. 191; p. 413.
- Can-tipping device. O. H. Hansen. No. 1,053,809; Feb. 18; Gaz. vol. 187; p. 748.
- Can-tipping machine. M. J. Hawkins. No. 1,053,990; Feb. 25; Gaz. vol. 187; p. 846.
- Can-top holder. G. Geddis. No. 1,081,302; Dec. 16; Gaz. vol. 197; p. 544.
- Can-top set. G. E. Ott. No. 1,081,980; Dec. 23; Gaz. vol. 197; p. 798.
- Can-top set and wrench. G. E. Ott. No. 1,077,294; Nov. 4; Gaz. vol. 196; p. 18.
- Can-ventilating device, Milk-. E. O. Dosch. No. 1,065,925; July 1; Gaz. vol. 192; p. 7.
- Can-washing machine. C. H. Warren. No. 1,055,843; Mar. 11; Gaz. vol. 188; p. 436.
- Cans and the like, Machine for cleaning. J. Morral. No. 1,053,130; Feb. 11; Gaz. vol. 187; p. 472.
- Cans, Detachable safety-lock for milk-. C. Petersen. No. 1,066,046; July 1; Gaz. vol. 192; p. 50.
- Cans, &c., Device for gripping. P. Kruse. No. 1,058,373; Apr. 8; Gaz. vol. 189; p. 382.
- Cans, Exhaust-box for. A. Cerruti. No. 1,068,565; July 29; Gaz. vol. 192; p. 1050.
- Cans, Exhaust-box for. A. J. and H. Keast. No. 1,074,869; Oct. 7; Gaz. vol. 195; p. 95.
- Cans in two opposite directions, Mechanism for feeding a single line of. J. P. Baxter, Jr. No. 1,058,287; Apr. 8; Gaz. vol. 189; p. 350.
- Cans, Packing. H. H. Hood. No. 1,071,051; Aug. 26; Gaz. vol. 193; p. 774.

Alphabetical list of inventions—Continued.

- Cans, Syrup-filler for fruit. S. Pittaluga. No. 1,072,771; Sept. 9; Gaz. vol. 194; p. 405.
- Canner. J. Kloss. No. 1,059,305; Apr. 15; Gaz. vol. 189; p. 740.
- Canner. J. R. Dickerson. No. 1,067,099; July 8; Gaz. vol. 192; p. 442.
- Cannery exhaust-box. J. E. Wright and J. P. Smith. No. 1,079,819; Nov. 25; Gaz. vol. 196; p. 984.
- Canning apparatus. W. L. Murray. No. 1,052,365; Feb. 4; Gaz. vol. 187; p. 176.
- Canning apparatus. J. C. Bartlett. No. 1,057,321; Mar. 25; Gaz. vol. 188; p. 1004.
- Canning industry, Utilizing waste products of. P. A. Singer. No. 1,063,297; June 3; Gaz. vol. 191; p. 43.
- Canal-lock. C. E. Gillette. No. 1,067,242; July 15; Gaz. vol. 192; p. 528.
- Canceling and stamping machine. A. W. Mead. No. 1,069,626; Aug. 5; Gaz. vol. 193; p. 185.
- Canceling device, Stamp-. W. Molt. No. 1,061,862; May 13; Gaz. vol. 190; p. 477.
- Canceling machine, Stamp-. L. Blessing. No. 1,053,350; Feb. 18; Gaz. vol. 187; p. 592.
- Canceling machine, Stamp-. F. P. Martin. No. 1,055,932; Mar. 11; Gaz. vol. 188; p. 465.
- Candle. T. A. Lynch. No. 1,067,184; July 8; Gaz. vol. 192; p. 472.
- Candle, Electric. S. T. A. Nelson. No. 1,060,278; Apr. 29; Gaz. vol. 189; p. 1146.
- Candle-holder. A. N. Markert. No. 1,054,973; Mar. 4; Gaz. vol. 188; p. 109.
- Candle-holder. A. Will. No. 1,061,347; May 13; Gaz. vol. 190; p. 304.
- Candle-holder, Mechanic's. C. M. Andres. No. 1,073,013; Sept. 9; Gaz. vol. 194; p. 494.
- Candle-stand holder, Votive-. J. Jacobson. No. 1,054,296; Feb. 25; Gaz. vol. 187; p. 949.
- Candlestick, Folding. H. D. Pelham and C. P. Kaba. No. 1,069,170; Aug. 5; Gaz. vol. 193; p. 28.
- Candlestick, Miner's. F. Pleban. No. 1,061,948; May 13; Gaz. vol. 190; p. 507.
- Candy-box. J. G. Smith. No. 1,063,894; June 3; Gaz. vol. 191; p. 247.
- Candy-cooling apparatus. E. J. Brach. No. 1,067,460; July 15; Gaz. vol. 192; p. 602.
- Candy-cutting machine. W. H. Hall and F. A. Dupea. No. 1,072,848; Sept. 9; Gaz. vol. 194; p. 433.
- Candy-machine. P. H. Schabacker and P. H. Smith. No. 1,052,519; Feb. 11; Gaz. vol. 187; p. 263.
- Candy-making device. P. Panoulas. No. 1,062,661; May 27; Gaz. vol. 190; p. 829.
- Candy-packing machine. E. A. Wasserman. No. 1,078,180; Nov. 11; Gaz. vol. 196; p. 354.
- Candy product and making same. G. S. Gordon. No. 1,063,533; June 3; Gaz. vol. 191; p. 122.
- Candy-pulling machine. W. C. Fawkes. No. 1,050,356; Jan. 14; Gaz. vol. 186; p. 386.
- Candy, Stick-. M. M. Lehman. No. 1,072,338; Sept. 2; Gaz. vol. 194; p. 225.
- Candy-wrapping machine. A. J. Roedel. No. 1,072,505; Sept. 9; Gaz. vol. 194; p. 312.
- Cane. J. C. Greeno. No. 1,050,124; Jan. 14; Gaz. vol. 186; p. 307.
- Cane and like mill, Sugar-. J. and W. A. McNeil. No. 1,071,646; Aug. 26; Gaz. vol. 193; p. 972.
- Cane-boiling furnace, Sugar-. G. A. Allen. No. 1,054,264; Feb. 25; Gaz. vol. 187; p. 939.
- Cane, Extracting sucrose from sugar-. H. Edson. No. 1,068,748; July 29; Gaz. vol. 192; p. 1115.
- Cane frame for caps and hats. J. Buchalter. No. 1,077,796; Nov. 4; Gaz. vol. 196; p. 190.
- Cane-grinding mill. F. A. Monroe, Jr., and N. A. Helmer. No. 1,064,362; June 10; Gaz. vol. 191; p. 441.
- Cane-handle-shaping machine. P. Müller. No. 1,058,888; Apr. 15; Gaz. vol. 189; p. 596.
- Cane-juice separator. E. J. Ruckstuhl. No. 1,060,498; Apr. 29; Gaz. vol. 189; p. 1224.
- Cane-mill. A. F. Delbert. No. 1,056,640; Mar. 18; Gaz. vol. 188; p. 742.
- Cane mill, Sugar-. A. F. Ewart. No. 1,061,535; May 13; Gaz. vol. 190; p. 370.
- Cane or umbrella handle. M. L. Marx. No. 1,066,433; July 1; Gaz. vol. 192; p. 183.
- Cane or umbrella, Novelty. T. Hertz. No. 1,051,370; Jan. 21; Gaz. vol. 186; p. 768.
- Cane shaver and grass-scraper, Plant-. T. Larose. No. 1,058,607; Apr. 8; Gaz. vol. 189; p. 459.
- Cane-stripper. G. D. Luce. No. 1,053,917; Feb. 18; Gaz. vol. 187; p. 784.
- Cane trash, Machine for cutting sugar-. W. J. Kent. No. 1,070,346; Aug. 12; Gaz. vol. 193; p. 461.
- Cane-unloader. J. Ogg. No. 1,059,312; Apr. 15; Gaz. vol. 189; p. 742.
- Canister-support. A. H. Cureau. No. 1,075,242; Oct. 7; Gaz. vol. 195; p. 225.
- Canopy. G. C. Locklin. No. 1,069,965; Aug. 12; Gaz. vol. 193; p. 330.
- Canopy for hammocks. B. B. Stone. No. 1,054,251; Feb. 25; Gaz. vol. 187; p. 935.
- Canopy for mortuary purposes. T. B. Hennessy. No. 1,049,858; Jan. 7; Gaz. vol. 186; p. 184.
- Canopy-frame, Collapsible. W. H. Snyder. No. 1,072,049; Sept. 2; Gaz. vol. 194; p. 129.
- Canopy-support. L. A. Williams. No. 1,053,337; Feb. 18; Gaz. vol. 187; p. 588.
- Canopy-support, Portable. T. M. Fly. No. 1,056,654; Mar. 18; Gaz. vol. 188; p. 746.
- Canopy, Vehicle-. A. Loomis. No. 1,071,066; Aug. 26; Gaz. vol. 193; p. 779.
- Cant-hook and pick, Combined. J. Pronovost. No. 1,065,468; June 24; Gaz. vol. 191; p. 886.
- Caoutchouc and making same, Substance similar to. K. Delbrück and K. Meisenburg. No. 1,076,196; Oct. 21; Gaz. vol. 195; p. 607.
- Caoutchouc and making same, Vulcanized. F. Hofmann and K. Delbrück. No. 1,081,613; Dec. 16; Gaz. vol. 197; p. 647.
- Caoutchouc and manufacturing same, Filler for. L. Elfrink. No. 1,062,958; May 27; Gaz. vol. 190; p. 927.
- Caoutchouc-like material, Manufacture and production of a. K. Delbrück and K. Meisenburg. No. 1,076,195; Oct. 21; Gaz. vol. 195; p. 607.
- Caoutchouc-like substance and making same. F. Hofmann, C. Coutelle, K. Delbrück, and K. Meisenburg. No. 1,062,828; May 27; Gaz. vol. 190; p. 883.
- Caoutchouc-like substance and making same. F. Hofmann, C. Coutelle, K. Delbrück, and K. Meisenburg. No. 1,062,912; May 27; Gaz. vol. 190; p. 912.
- Caoutchouc-like substance, Producing a. F. Hofmann and K. Delbrück. No. 1,068,770; July 29; Gaz. vol. 192; p. 1123.
- Caoutchouc-like substances, Producing. F. Hofmann and C. Coutelle. No. 1,070,259; Aug. 12; Gaz. vol. 193; p. 432.
- Caoutchouc-like substances, Producing. C. Coutelle. No. 1,073,845; Sept. 23; Gaz. vol. 194; p. 841.
- Caoutchouc substance. F. Hofmann, C. Coutelle, K. Meisenburg, and K. Delbrück. No. 1,074,432; Sept. 30; Gaz. vol. 194; p. 1067.
- Caoutchouc substance and making same. F. Hofmann, C. Coutelle, K. Delbrück, and K. Meisenburg. No. 1,062,913; May 27; Gaz. vol. 190; p. 912.
- Caoutchouc substance and making same. F. Hofmann, C. Coutelle, K. Delbrück, and K. Meisenburg. No. 1,062,914; May 27; Gaz. vol. 190; p. 912.
- Caoutchouc substance and making same. F. Hofmann and C. Coutelle. No. 1,062,915; May 27; Gaz. vol. 190; p. 912.
- Caoutchouc substance and making same. F. Hofmann and C. Coutelle. No. 1,069,951; Aug. 12; Gaz. vol. 193; p. 326.
- Caoutchouc substance and making same. C. Harries. No. 1,073,116; Sept. 16; Gaz. vol. 194; p. 566.
- Caoutchouc substance and making same. F. Hofmann and K. Delbrück. No. 1,081,614; Dec. 16; Gaz. vol. 197; p. 647.
- Caoutchouc substances and making same. C. Harries. No. 1,058,056; Apr. 8; Gaz. vol. 189; p. 269.
- Caoutchouc substances and making same. F. Hofmann, C. Coutelle, K. Meisenburg, and K. Delbrück. No. 1,082,522; Dec. 30; Gaz. vol. 197; p. 1017.
- Caoutchouc substances, Production of. F. Hofmann and C. Coutelle. No. 1,070,258; Aug. 12; Gaz. vol. 193; p. 432.
- Cap. E. Forman. No. 1,049,838; Jan. 7; Gaz. vol. 186; p. 177.
- Cap. H. G. Steinberg and D. V. Picker. No. 1,050,310; Jan. 14; Gaz. vol. 186; p. 370.
- Cap. A. Knowles. No. 1,055,051; Mar. 4; Gaz. vol. 188; p. 136.
- Cap. J. Tim. No. 1,061,884; May 13; Gaz. vol. 190; p. 484.
- Cap. A. Knowles. No. 1,064,840; June 17; Gaz. vol. 191; p. 640.
- Cap. J. N. Susskind. No. 1,069,203; Aug. 5; Gaz. vol. 193; p. 41.
- Cap and muff, Convertible. A. C. Yudelson. No. 1,057,204; Mar. 25; Gaz. vol. 188; p. 966.
- Cap and muffler, Combined. A. C. Yudelson. No. 1,057,205; Mar. 25; Gaz. vol. 188; p. 966.
- Cap and sunbonnet, Combination. E. Ziegfeld. No. 1,082,144; Dec. 23; Gaz. vol. 197; p. 854.
- Cap attachment. J. Abrahams. No. 1,067,225; July 8; Gaz. vol. 192; p. 487.
- Cap, Bathing-. A. Stern. No. 1,056,377; Mar. 18; Gaz. vol. 188; p. 649.
- Cap-crown slitter. E. D. Gilbert. No. 1,058,743; Apr. 15; Gaz. vol. 189; p. 545.
- Cap, face-protector, and muffler, Combined. A. C. Yudelson. No. 1,057,203; Mar. 25; Gaz. vol. 188; p. 965.
- Cap forming and applying machine. C. C. Stutz and R. F. Arnott. No. 1,075,796; Oct. 14; Gaz. vol. 195; p. 442.
- Cap, Hood-. A. C. Yudelson. No. 1,057,202; Mar. 25; Gaz. vol. 188; p. 965.
- Cap-making and bottling machine. F. Müller. No. 1,074,520; Sept. 30; Gaz. vol. 194; p. 1094.
- Cap, Miner's. D. F. Brubaker. No. 1,081,659; Dec. 16; Gaz. vol. 197; p. 661.
- Cap, Ornamental. F. W. Burton. No. 1,055,706; Mar. 11; Gaz. vol. 188; p. 389.

Alphabetical list of inventions—Continued.

- Cap sorting and placing machine. F. P. Ryder. No. 1,050,565; Jan. 14; Gaz. vol. 186; p. 460.
- Cap. Uniform-. J. J. Kohler. No. 1,080,353; Dec. 2; Gaz. vol. 197; p. 154.
- Caps. Manufacture of spring-. R. Frommer and A. Molnar. No. 1,050,121; Jan. 14; Gaz. vol. 186; p. 306.
- Caps. Means for pressing and finishing cloth. A. Knowles. No. 1,069,337; Aug. 5; Gaz. vol. 193; p. 87.
- Capping-tool. D. M. Ressler and F. Butler. No. 1,077,301; Nov. 4; Gaz. vol. 196; p. 20.
- Cape, blanket, and shelter-tent, Combined. H. S. Bryan. No. 1,078,992; Nov. 18; Gaz. vol. 196; p. 667.
- Capsule-filling device. W. G. Toplis. No. 1,064,568; June 10; Gaz. vol. 191; p. 513.
- Capsule-filling machine. A. Colton. No. 1,077,392; Nov. 4; Gaz. vol. 196; p. 53.
- Capsule-filling mechanism. J. P. Remington. No. 1,073,286; Sept. 16; Gaz. vol. 194; p. 626.
- Capsules, Apparatus for the manufacture of. B. W. Scott. No. 1,076,459; Oct. 21; Gaz. vol. 195; p. 699.
- Capsules. Device for closing tablet-. W. Simon. No. 1,062,368; May 20; Gaz. vol. 190; p. 690.
- Car. F. S. Ingoldsby and J. R. Bowling. (Reissue.) No. 13,511; Jan. 14; Gaz. vol. 186; p. 530.
- Car. W. H. Yost. No. 1,053,118; Feb. 11; Gaz. vol. 187; p. 468.
- Car. R. Dean. No. 1,055,615; Mar. 11; Gaz. vol. 188; p. 357.
- Car. H. Richter. No. 1,072,501; Sept. 9; Gaz. vol. 194; p. 312.
- Car. A. J. Stevens and J. H. Horne. No. 1,080,024; Dec. 2; Gaz. vol. 197; p. 37.
- Car. C. P. Astrom. No. 1,080,620; Dec. 9; Gaz. vol. 197; p. 275.
- Car. R. J. Magor. No. 1,080,709; Dec. 9; Gaz. vol. 197; p. 305.
- Car. G. H. Forsyth. No. 1,081,928; Dec. 16; Gaz. vol. 197; p. 752.
- Car adapted for subway use. A. B. Du Pont. No. 1,073,106; Sept. 16; Gaz. vol. 194; p. 563.
- Car advertising apparatus, Street-. M. P. Smith. No. 1,080,728; Dec. 9; Gaz. vol. 197; p. 312.
- Car advertising device, Street-. W. F. Sweet. No. 1,053,934; Feb. 18; Gaz. vol. 187; p. 790.
- Car. Aerial trolley-. J. W. and E. C. Fawkes. No. 1,051,093; Jan. 21; Gaz. vol. 186; p. 677.
- Car and box, Reinforced warehouse. P. I. Andrews. No. 1,057,913; Apr. 1; Gaz. vol. 189; p. 177.
- Car and dump-car, Convertible flat-bottom freight-. W. P. Bettendorf. No. 1,056,490; Mar. 18; Gaz. vol. 188; p. 690.
- Car and electric coupling, Interlock for combined. H. H. Westinghouse. No. 1,063,631; June 3; Gaz. vol. 191; p. 159.
- Car and frame. H. M. Pflager. No. 1,054,938; Mar. 4; Gaz. vol. 188; p. 96.
- Car and other vehicle wheel, Motor-. A. F. Hawksley. No. 1,072,226; Sept. 2; Gaz. vol. 194; p. 189.
- Car appliance, Mine-. W. H. Walker. No. 1,064,795; June 17; Gaz. vol. 191; p. 625.
- Car attachment, Dump-. H. Van Scoy. No. 1,074,994; Oct. 7; Gaz. vol. 195; p. 138.
- Car attachment, Flat-. E. White. No. 1,073,006; Sept. 9; Gaz. vol. 194; p. 492.
- Car attachment, Motor-. A. J. Crist. No. 1,080,680; Dec. 9; Gaz. vol. 197; p. 295.
- Car attachment, Side-. L. A. Pothast. No. 1,080,020; Dec. 2; Gaz. vol. 197; p. 35.
- Car, Automatic dump-. E. L. Stoltzfus and I. B. Miller. No. 1,057,683; Apr. 1; Gaz. vol. 189; p. 98.
- Car automatic safety appliance, Railway-. C. H. Schumaker and J. W. Hulme. No. 1,059,399; Apr. 22; Gaz. vol. 189; p. 808.
- Car, Ballast-. W. H. Yost. No. 1,064,807; June 17; Gaz. vol. 191; p. 629.
- Car, Ballast-dumping. A. Campbell. No. 1,067,863; July 22; Gaz. vol. 192; p. 773.
- Car body, Adaptable motor-. R. H. and V. Hopkinson. No. 1,083,097; Dec. 30; Gaz. vol. 197; p. 1216.
- Car body and truck locking device. J. M. Coleman. No. 1,061,984; May 20; Gaz. vol. 190; p. 560.
- Car body and underframe construction. O. S. Pulliam. No. 1,074,200; Sept. 30; Gaz. vol. 194; p. 990.
- Car-body, Convertible. L. W. Ray. No. 1,079,722; Nov. 25; Gaz. vol. 196; p. 948.
- Car-body corner-post and door-frame, Combined. B. V. H. Johnson. No. 1,064,970; June 17; Gaz. vol. 191; p. 682.
- Car-bolster. A. L. Jacobs. No. 1,053,818; Feb. 18; Gaz. vol. 187; p. 751.
- Car-bolster. W. F. Richards. No. 1,071,088; Aug. 26; Gaz. vol. 193; p. 787.
- Car bolster, Railway-. W. F. Richards. No. 1,055,656; Mar. 11; Gaz. vol. 188; p. 371.
- Car. Box-. W. E. Fowler. (Reissue.) No. 13,561; May 13; Gaz. vol. 190; p. 512.
- Car. Box-. H. A. Christy. No. 1,068,320; July 22; Gaz. vol. 192; p. 929.
- Car. Box-. J. H. Weisbrod. No. 1,070,565; Aug. 19; Gaz. vol. 193; p. 580.
- Car. Box-. W. E. Fowler, Sr. No. 1,078,616; Nov. 18; Gaz. vol. 196; p. 535.
- Car. Box-. R. J. Magor. No. 1,080,708; Dec. 9; Gaz. vol. 197; p. 305.
- Car-brace for cars, Adjustable. G. C. Boller, C. H. Blemer, and S. K. Clement. No. 1,049,655; Jan. 7; Gaz. vol. 186; p. 116.
- Car-brake. J. F. and C. W. Slever. No. 1,050,703; Jan. 14; Gaz. vol. 186; p. 504.
- Car-brake. C. E. Rochambeau. No. 1,052,967; Feb. 11; Gaz. vol. 187; p. 416.
- Car-brake. C. Mineart and E. E. White. No. 1,065,828; June 24; Gaz. vol. 191; p. 1007.
- Car-brake. J. W. Tagert. No. 1,069,907; Aug. 12; Gaz. vol. 193; p. 312.
- Car-brake. O. O. Byrd. No. 1,073,390; Sept. 16; Gaz. vol. 194; p. 663.
- Car-brake. R. McClaskey. No. 1,079,570; Nov. 25; Gaz. vol. 196; p. 896.
- Car brake-beam, Railway-. S. A. Crone. No. 1,073,220; Sept. 16; Gaz. vol. 194; p. 603.
- Car brake-beam, Railway-. S. A. Crone. No. 1,076,956; Oct. 28; Gaz. vol. 195; p. 929.
- Car-brake mechanism. T. H. Morgan. No. 1,049,386; Jan. 7; Gaz. vol. 186; p. 23.
- Car brake, Mine-. O. Moberly. No. 1,067,050; July 8; Gaz. vol. 192; p. 425.
- Car brake, Railway-. J. Persak. No. 1,067,057; July 8; Gaz. vol. 192; p. 428.
- Car brake, Railway-. A. L. Miller and W. W. Burdette. No. 1,072,757; Sept. 9; Gaz. vol. 194; p. 400.
- Car-brake shaft. C. A. Carscadin and G. A. Woodman. No. 1,051,488; Jan. 28; Gaz. vol. 186; p. 842.
- Car-brake slack-adjuster. W. S. O'Brien. No. 1,074,558; Sept. 30; Gaz. vol. 194; p. 1106.
- Car. buffing mechanism, Railway-. K. Edahl. No. 1,069,933; Aug. 12; Gaz. vol. 193; p. 321.
- Car bumper and coupling, Mine-. C. D. Sensenich. No. 1,051,825; Jan. 28; Gaz. vol. 186; p. 953.
- Car bumper, Mine-. G. S. Greene. No. 1,066,603; July 8; Gaz. vol. 192; p. 274.
- Car bumper, Self-coupling mine-. B. Stark. No. 1,067,384; July 15; Gaz. vol. 192; p. 577.
- Car bunk and stake, Logging-. C. T. Eald. No. 1,055,150; Mar. 4; Gaz. vol. 188; p. 166.
- Car, Cable-hauled. P. Besta. No. 1,053,775; Feb. 18; Gaz. vol. 187; p. 737.
- Car-cager. J. P. Gibbons. No. 1,083,207; Dec. 30; Gaz. vol. 197; p. 1248.
- Car cast-steel underframe. C. H. Howard. No. 1,056,904; Mar. 25; Gaz. vol. 188; p. 862.
- Car cast-steel underframe. C. H. Howard. No. 1,066,818; July 8; Gaz. vol. 192; p. 348.
- Car center-bearing. J. M. Hopkins and P. M. Elliott. No. 1,069,699; Aug. 12; Gaz. vol. 193; p. 239.
- Car center-bearing. B. D. Lockwood. No. 1,077,356; Nov. 4; Gaz. vol. 196; p. 40.
- Car central buffer with automatic coupling. L. Manzano. No. 1,068,256; July 22; Gaz. vol. 192; p. 907.
- Car, Combination stock and box. E. R. Haymes. No. 1,060,981; May 6; Gaz. vol. 190; p. 146.
- Car, Combination stock and freight. J. C. Bertsch. No. 1,056,489; Mar. 18; Gaz. vol. 188; p. 689.
- Car construction. J. W. Taylor. No. 1,049,621; Jan. 7; Gaz. vol. 186; p. 105.
- Car construction. H. E. Haddock. No. 1,054,540; Feb. 25; Gaz. vol. 187; p. 1033.
- Car construction. A. Copony. No. 1,056,975; Mar. 25; Gaz. vol. 188; p. 886.
- Car construction. A. E. Ostrander. No. 1,066,647; July 8; Gaz. vol. 192; p. 289.
- Car construction. J. M. Coleman. No. 1,068,629; July 29; Gaz. vol. 192; p. 1074.
- Car construction. D. Woodhead. No. 1,071,851; Sept. 2; Gaz. vol. 194; p. 63.
- Car construction. E. G. Budd. No. 1,077,589; Nov. 4; Gaz. vol. 196; p. 120.
- Car construction. G. H. Forsyth. No. 1,081,927; Dec. 16; Gaz. vol. 197; p. 751.
- Car construction. W. J. Tollerton. No. 1,082,247; Dec. 23; Gaz. vol. 197; p. 891.
- Car construction and arrangement of drop-doors and operating mechanism. R. V. Sage. No. 1,074,981; Oct. 7; Gaz. vol. 195; p. 133.
- Car construction, Metal underframe for. W. C. Gregg. No. 1,062,153; May 20; Gaz. vol. 190; p. 619.
- Car construction, Railway-. W. P. Murphy. No. 1,058,889; Apr. 15; Gaz. vol. 189; p. 597.
- Car construction, Railway-post-office-. C. R. Harrison. No. 1,073,231; Sept. 16; Gaz. vol. 194; p. 607.
- Car construction, Tank-. C. L. Kennicott. No. 1,073,423; Sept. 16; Gaz. vol. 194; p. 674.
- Car construction, Tank-. J. A. Jackson. No. 1,082,269; Dec. 23; Gaz. vol. 197; p. 899.
- Car controller, Street-. C. and J. G. Munson. No. 1,062,791; May 27; Gaz. vol. 190; p. 871.
- Car, Convertible. J. M. Coleman. No. 1,076,746; Oct. 28; Gaz. vol. 195; p. 855.
- Car, Convertible. R. W. Burnett. No. 1,081,430; Dec. 16; Gaz. vol. 197; p. 587.

Alphabetical list of inventions—Continued.

- Car, Convertible box-. H. W. Curry. No. 1,067,719; July 15; Gaz. vol. 192; p. 691.
- Car, Convertible flat and hopper bottom dumping. R. W. Burnett. No. 1,081,205; Dec. 9; Gaz. vol. 197; p. 472.
- Car, Convertible freight-. A. Campbell. No. 1,071,029; Aug. 26; Gaz. vol. 193; p. 766.
- Car-coupling. L. Dethier. No. 1,049,684; Jan. 7; Gaz. vol. 186; p. 125.
- Car-coupling. G. Pagni. No. 1,050,684; Jan. 14; Gaz. vol. 186; p. 498.
- Car-coupling. W. S. Schroeder. No. 1,052,383; Feb. 4; Gaz. vol. 187; p. 183.
- Car-coupling. H. T. Krakau. No. 1,052,419; Feb. 4; Gaz. vol. 187; p. 196.
- Car-coupling. W. S. Lennon. No. 1,054,298; Feb. 25; Gaz. vol. 187; p. 950.
- Car-coupling. E. F. Powell and G. L. Andrews. No. 1,056,298; Mar. 18; Gaz. vol. 188; p. 624.
- Car-coupling. J. C. F. Sell. No. 1,057,177; Mar. 25; Gaz. vol. 188; p. 956.
- Car-coupling. B. H. Burnett. No. 1,058,147; Apr. 8; Gaz. vol. 189; p. 302.
- Car-coupling. J. P. Kittredge. No. 1,063,544; June 3; Gaz. vol. 191; p. 126.
- Car-coupling. E. L. Norris. No. 1,063,935; June 3; Gaz. vol. 191; p. 263.
- Car-coupling. W. Kalms. No. 1,066,733; July 8; Gaz. vol. 192; p. 320.
- Car-coupling. W. F. Richards. No. 1,066,845; July 8; Gaz. vol. 192; p. 356.
- Car-coupling. A. J. Bazeley. No. 1,067,578; July 15; Gaz. vol. 192; p. 642.
- Car-coupling. W. E. Coffin. No. 1,067,798; July 22; Gaz. vol. 192; p. 750.
- Car-coupling. J. Kelso. No. 1,067,925; July 22; Gaz. vol. 192; p. 793.
- Car-coupling. G. A. Hermanson. No. 1,069,419; Aug. 5; Gaz. vol. 193; p. 117.
- Car-coupling. S. P. Bush. No. 1,069,600; Aug. 5; Gaz. vol. 193; p. 176.
- Car-coupling. A. J. Bazeley. No. 1,072,075; Sept. 2; Gaz. vol. 194; p. 139.
- Car-coupling. H. F. Pope. No. 1,072,163; Sept. 2; Gaz. vol. 194; p. 170.
- Car-coupling. J. Kovacs. No. 1,073,352; Sept. 16; Gaz. vol. 194; p. 650.
- Car-coupling. W. H. Simons. No. 1,074,751; Oct. 7; Gaz. vol. 195; p. 57.
- Car-coupling. S. V. Laughinghouse. No. 1,075,582; Oct. 14; Gaz. vol. 195; p. 370.
- Car-coupling. L. G. Miller and F. C. Dankmyer. No. 1,076,050; Oct. 21; Gaz. vol. 195; p. 557.
- Car-coupling. W. R. H. Capewell. No. 1,077,592; Nov. 4; Gaz. vol. 196; p. 121.
- Car-coupling. H. T. Krakau. No. 1,078,203; Nov. 11; Gaz. vol. 196; p. 362.
- Car-coupling. J. R. Delsher. No. 1,079,221; Nov. 18; Gaz. vol. 196; p. 746.
- Car-coupling. G. A. Hermanson. No. 1,079,488; Nov. 25; Gaz. vol. 196; p. 866.
- Car-coupling. J. W. Barth and J. F. Robertson. No. 1,080,744; Dec. 9; Gaz. vol. 197; p. 318.
- Car-coupling. H. R. Swan. No. 1,081,066; Dec. 9; Gaz. vol. 197; p. 426.
- Car-coupling. W. F. Richards. No. 1,082,822; Dec. 30; Gaz. vol. 197; p. 1124.
- Car-coupling. C. A. McKarahan. No. 1,083,121; Dec. 30; Gaz. vol. 197; p. 1223.
- Car-coupling and pivot-pin therefor. R. E. L. Janney. No. 1,075,426; Oct. 14; Gaz. vol. 195; p. 316.
- Car-coupling, Automatic. L. H. Murray. No. 1,055,414; Mar. 11; Gaz. vol. 188; p. 292.
- Car-coupling, Automatic. J. F. Robertson. No. 1,061,406; May 13; Gaz. vol. 190; p. 324.
- Car-coupling, Automatic. G. E. Muth and F. A. Voegelé. No. 1,069,280; Aug. 5; Gaz. vol. 193; p. 67.
- Car-coupling, Automatic. J. Giroux. No. 1,075,641; Oct. 14; Gaz. vol. 195; p. 392.
- Car-coupling, Automatic air. G. M. and H. W. Clark. No. 1,083,189; Dec. 30; Gaz. vol. 197; p. 1241.
- Car-coupling, Automatic air-valve. G. E. Muth. No. 1,078,869; Nov. 18; Gaz. vol. 196; p. 625.
- Car-coupling, Automatic-release. J. H. McElroy. No. 1,076,301; Oct. 21; Gaz. vol. 195; p. 643.
- Car-coupling, Bottom-opening. A. J. Bazeley. No. 1,072,076; Sept. 2; Gaz. vol. 194; p. 139.
- Car-coupling device. S. P. Bush. No. 1,077,240; Oct. 28; Gaz. vol. 195; p. 1021.
- Car-coupling device, Automatic railway-. E. Crescimbeni. No. 1,057,711; Apr. 1; Gaz. vol. 189; p. 108.
- Car-coupling knuckle. B. F. Haugh. No. 1,078,498; Nov. 11; Gaz. vol. 196; p. 464.
- Car-coupling knuckles, Casting. B. F. Haugh. No. 1,078,499; Nov. 11; Gaz. vol. 196; p. 464.
- Car-coupling link. G. R. Nicoll. No. 1,055,736; Mar. 11; Gaz. vol. 188; p. 417.
- Car-coupling mechanism. E. H. Schmidt. No. 1,051,455; Jan. 28; Gaz. vol. 186; p. 831.
- Car-coupling mechanism. J. Willison. No. 1,060,571; Apr. 29; Gaz. vol. 189; p. 1249.
- Car-coupling mechanism. J. Willison. No. 1,073,453; Sept. 16; Gaz. vol. 194; p. 685.
- Car coupling, Mine-. O. and C. Anderson. No. 1,051,536; Jan. 28; Gaz. vol. 186; p. 859.
- Car coupling, Mining. J. Dubois, S. Novario, and J. E. Jones. No. 1,062,233; May 27; Gaz. vol. 190; p. 882.
- Car-coupling-operating mechanism. W. E. Coffin. No. 1,067,584; July 15; Gaz. vol. 192; p. 644.
- Car-coupling-repairing device. J. Zilius. No. 1,073,383; Sept. 16; Gaz. vol. 194; p. 661.
- Car-couplings, Casting knuckles for. B. F. Haugh. No. 1,078,500; Nov. 11; Gaz. vol. 196; p. 464.
- Car-couplings, Uncoupling mechanism for. A. J. Bazeley. No. 1,067,579; July 15; Gaz. vol. 192; p. 642.
- Car-curtains, Releasing device for. F. C. Gow and S. T. Clutter. No. 1,065,236; June 17; Gaz. vol. 191; p. 768.
- Car-detaching mechanism. S. Winter. No. 1,060,302; Apr. 29; Gaz. vol. 189; p. 1155.
- Car device, Dump-. C. H. Doty, W. L. Burner, and J. M. Wilcox. No. 1,057,413; Apr. 1; Gaz. vol. 189; p. 8.
- Car-diaphragm. E. E. Whitmore. No. 1,078,758; Nov. 18; Gaz. vol. 196; p. 586.
- Car-diaphragm, Automatically-opening. W. H. Forsyth. No. 1,078,781; Nov. 18; Gaz. vol. 196; p. 595.
- Car-diaphragms, Hood for. E. E. Whitmore. No. 1,078,757; Nov. 18; Gaz. vol. 196; p. 586.
- Car, Divertible-hopper dump-. A. Campbell. No. 1,063,955; June 10; Gaz. vol. 191; p. 303.
- Car-door. J. Damm. No. 1,050,109; Jan. 14; Gaz. vol. 186; p. 303.
- Car-door. S. Walters. No. 1,051,790; Jan. 28; Gaz. vol. 186; p. 941.
- Car-door. W. H. Holland and F. J. Kaltenback. No. 1,052,435; Feb. 4; Gaz. vol. 187; p. 202.
- Car-door. J. M. Hopkins. No. 1,053,510; Feb. 18; Gaz. vol. 187; p. 647.
- Car-door. J. A. King. No. 1,058,182; Apr. 8; Gaz. vol. 189; p. 315.
- Car-door. C. E. Barrett. No. 1,058,529; Apr. 8; Gaz. vol. 189; p. 434.
- Car-door. P. T. Faris and D. A. Newhall. No. 1,059,532; Apr. 22; Gaz. vol. 189; p. 855.
- Car-door. C. E. Griffith. No. 1,060,181; Apr. 29; Gaz. vol. 189; p. 1111.
- Car-door. E. Posson. No. 1,067,547; July 15; Gaz. vol. 192; p. 632.
- Car-door. H. A. Christy. No. 1,068,318; July 22; Gaz. vol. 192; p. 929.
- Car-door. P. M. Elliott. No. 1,071,514; Aug. 26; Gaz. vol. 193; p. 928.
- Car-door. C. E. Sievert. No. 1,073,715; Sept. 23; Gaz. vol. 194; p. 800.
- Car-door. J. F. Comee. No. 1,076,484; Oct. 21; Gaz. vol. 195; p. 708.
- Car-door. G. H. Smith. No. 1,082,450; Dec. 23; Gaz. vol. 197; p. 959.
- Car-door and operating means therefor. C. H. Anderson. No. 1,051,054; Jan. 21; Gaz. vol. 186; p. 663.
- Car-door arrangement, Dump-. H. Asper. No. 1,076,860; Oct. 28; Gaz. vol. 195; p. 895.
- Car-door attachment, Freight-. J. B. Johnson and J. T. Vance. No. 1,063,690; June 3; Gaz. vol. 191; p. 181.
- Car door, Box-. C. North. No. 1,072,638; Sept. 9; Gaz. vol. 194; p. 359.
- Car door, Box-. R. L. Burgoon. No. 1,077,798; Nov. 4; Gaz. vol. 196; p. 191.
- Car-door-closing mechanism. R. W. Ericson. No. 1,072,106; Sept. 2; Gaz. vol. 194; p. 149.
- Car door, Dump-. R. W. Burnett. No. 1,072,423; Sept. 9; Gaz. vol. 194; p. 284.
- Car door, Dump-. R. W. Burnett. No. 1,079,691; Nov. 25; Gaz. vol. 196; p. 937.
- Car-door fastener. J. G. Lively. No. 1,052,072; Feb. 4; Gaz. vol. 187; p. 78.
- Car-door fastener. F. W. Chaffee. No. 1,083,001; Dec. 30; Gaz. vol. 197; p. 1185.
- Car-door-fastening device, Freight-. E. M. Wyly. No. 1,068,198; July 22; Gaz. vol. 192; p. 886.
- Car-door frame. J. W. Rumsey and W. H. Sheasby. No. 1,079,922; Nov. 25; Gaz. vol. 196; p. 1020.
- Car door, Freight-. W. H. Suter. No. 1,064,394; June 10; Gaz. vol. 191; p. 454.
- Car door, Freight-. G. H. Judia. No. 1,076,984; Oct. 28; Gaz. vol. 195; p. 938.
- Car door, Grain-. F. C. Reynolds. No. 1,051,762; Jan. 28; Gaz. vol. 186; p. 932.
- Car door, Grain-. H. King. No. 1,062,476; May 20; Gaz. vol. 190; p. 6.
- Car door, Grain-. F. F. Wandtke. No. 1,067,084; July 8; Gaz. vol. 192; p. 436.
- Car door, Grain-. T. Sills. No. 1,073,296; Sept. 16; Gaz. vol. 194; p. 630.
- Car door, Grain-. A. G. Olson and J. A. Dols. No. 1,074,193; Sept. 30; Gaz. vol. 194; p. 987.
- Car-door hanger. G. E. Merritt. No. 1,077,151; Oct. 28; Gaz. vol. 195; p. 991.
- Car-door hanger. C. W. Price. No. 1,078,954; Nov. 18; Gaz. vol. 196; p. 652.

Alphabetical list of inventions—Continued.

- Car-door hanger, Freight-. J. J. Long. No. 1,062,599; May 27; Gaz. vol. 190; p. 808.
- Car-door hasp. J. T. and C. W. Kemper. No. 1,078,928; Nov. 18; Gaz. vol. 196; p. 644.
- Car door, Hopper-bottom-. A. Campbell. No. 1,068,103; July 22; Gaz. vol. 192; p. 853.
- Car-door lock. R. M. Getman. No. 1,050,641; Jan. 14; Gaz. vol. 186; p. 485.
- Car-door lock. J. B. Driscoll. No. 1,065,788; June 24; Gaz. vol. 191; p. 993.
- Car-door lock. R. H. Bates. No. 1,070,224; Aug. 12; Gaz. vol. 193; p. 420.
- Car-door lock. M. Kriewitz and W. F. Ferris. No. 1,081,755; Dec. 16; Gaz. vol. 197; p. 693.
- Car-door lock, Dump-. R. W. Burnett. No. 1,081,204; Dec. 9; Gaz. vol. 197; p. 472.
- Car-door lock, Fluid-pressure-releasable freight-. G. V. McGill. No. 1,050,556; Jan. 14; Gaz. vol. 186; p. 458.
- Car-door lock, Freight-. W. H. Wilson. No. 1,058,829; Apr. 15; Gaz. vol. 189; p. 575.
- Car-door-locking device. R. W. Burnett. No. 1,069,762; Aug. 12; Gaz. vol. 193; p. 262.
- Car-door mechanism. A. M. and W. H. Waitt. No. 1,082,664; Dec. 30; Gaz. vol. 197; p. 1067.
- Car-door mechanism, Dump-. A. Campbell. No. 1,051,487; Jan. 28; Gaz. vol. 186; p. 842.
- Car-door mechanism, Passenger-. H. Rowntree. No. 1,073,930; Sept. 23; Gaz. vol. 194; p. 871.
- Car-door-opening mechanism, Freight-. W. W. Darrow. No. 1,081,294; Dec. 16; Gaz. vol. 197; p. 541.
- Car-door-operating device. V. M. Summa. No. 1,066,547; July 8; Gaz. vol. 192; p. 254.
- Car-door-operating device. G. I. King. No. 1,067,035; July 8; Gaz. vol. 192; p. 420.
- Car-door-operating device. V. M. Summa. No. 1,078,321; Nov. 11; Gaz. vol. 196; p. 404.
- Car-door-operating means. T. Scullin and S. R. Skov. No. 1,071,469; Aug. 26; Gaz. vol. 193; p. 913.
- Car-door-operating mechanism. G. C. Cherbonnier. No. 1,054,674; Mar. 4; Gaz. vol. 188; p. 8.
- Car-door-operating mechanism. A. E. Zimmer. No. 1,059,422; Apr. 22; Gaz. vol. 189; p. 817.
- Car-door-operating mechanism, Dump-. A. Campbell. No. 1,052,128; Feb. 4; Gaz. vol. 187; p. 98.
- Car-door-operating mechanism, Dump-. A. Campbell. No. 1,056,883; Mar. 25; Gaz. vol. 188; p. 854.
- Car-door-operating mechanism, Dump-. B. W. Kadel. No. 1,071,750; Sept. 2; Gaz. vol. 194; p. 28.
- Car-door-operating mechanism, Hopper-. A. Campbell. No. 1,062,385; May 20; Gaz. vol. 190; p. 696.
- Car-door-operating mechanism, Passenger-. T. J. Naulty. No. 1,050,680; Jan. 14; Gaz. vol. 186; p. 496.
- Car-door-operating mechanism, Passenger-. T. J. Naulty. No. 1,068,265; July 22; Gaz. vol. 192; p. 910.
- Car-door-operating mechanism, Passenger-. T. J. Naulty. No. 1,068,266; July 22; Gaz. vol. 192; p. 910.
- Car-door operator. J. Baker. No. 1,059,588; Apr. 22; Gaz. vol. 189; p. 872.
- Car-door, Sectional. G. Thompson. No. 1,062,057; May 20; Gaz. vol. 190; p. 585.
- Car-door-securing means. T. H. Abernethy. No. 1,049,966; Jan. 7; Gaz. vol. 186; p. 218.
- Car-door spreader. R. V. Sage. No. 1,077,561; Nov. 4; Gaz. vol. 196; p. 112.
- Car-door spreader, Dumping-. R. V. Sage. No. 1,077,562; Nov. 4; Gaz. vol. 196; p. 112.
- Car door-stop, Railway-. L. J. Remmele. No. 1,066,222; July 1; Gaz. vol. 192; p. 114.
- Car-door, Stormproof. G. M. Kirby. No. 1,082,343; Dec. 23; Gaz. vol. 197; p. 926.
- Car doors and steps, Means for controlling. H. L. Roderick and L. T. McCutcheon. No. 1,057,010; Mar. 25; Gaz. vol. 188; p. 899.
- Car-doors, Combined handle and lock for. J. W. Rumsey and W. H. Sheasby. No. 1,079,923; Nov. 25; Gaz. vol. 196; p. 1020.
- Car draft and buffing mechanism, Railway-. F. S. Gallagher. No. 1,070,446; Aug. 19; Gaz. vol. 193; p. 538.
- Car draft-gear, Railway-. W. F. Richards. No. 1,076,912; Oct. 28; Gaz. vol. 195; p. 913.
- Car draft-rigging, Draft-yoke for railway-. C. E. Dath. No. 1,070,119; Aug. 12; Gaz. vol. 193; p. 384.
- Car draft-rigging, Draft-yoke for railway-. S. E. Haseltine. No. 1,073,232; Sept. 16; Gaz. vol. 194; p. 607.
- Car draft-rigging, Railway-. J. F. O'Connor. No. 1,064,666; June 10; Gaz. vol. 191; p. 546.
- Car draft-rigging, Railway-. W. H. Miner. No. 1,065,065; June 17; Gaz. vol. 191; p. 712.
- Car draft-rigging, Railway-. G. A. Johnson. No. 1,065,136; June 17; Gaz. vol. 191; p. 736.
- Car draft-rigging, Railway-. G. A. Johnson. No. 1,065,137; June 17; Gaz. vol. 191; p. 736.
- Car draft-rigging, Railway-. R. G. Taylor. No. 1,068,187; July 22; Gaz. vol. 192; p. 881.
- Car draft-rigging, Railway-. G. A. Johnson. No. 1,070,037; Aug. 12; Gaz. vol. 193; p. 356.
- Car draft-rigging, Railway-. G. A. Johnson. No. 1,070,038; Aug. 12; Gaz. vol. 193; p. 356.
- Car draft-rigging, Railway-. G. O. Lewis. No. 1,070,046; Aug. 12; Gaz. vol. 193; p. 358.
- Car draft-rigging, Railway-. W. H. Miner. No. 1,070,053; Aug. 12; Gaz. vol. 193; p. 360.
- Car draft-rigging, Railway-. J. F. O'Connor. No. 1,070,061; Aug. 12; Gaz. vol. 193; p. 363.
- Car draft-rigging, Railway-. J. F. O'Connor. No. 1,073,162; Sept. 16; Gaz. vol. 194; p. 581.
- Car draft-rigging, Railway-. J. F. O'Connor. No. 1,073,163; Sept. 16; Gaz. vol. 194; p. 581.
- Car draft-rigging, Railway-. G. A. Johnson. No. 1,073,241; Sept. 16; Gaz. vol. 194; p. 610.
- Car draft-rigging, Railway-. G. A. Johnson. No. 1,073,242; Sept. 16; Gaz. vol. 194; p. 610.
- Car-draw-bar support, Railway-. P. M. Elliott. No. 1,080,509; Dec. 2; Gaz. vol. 197; p. 206.
- Car, Drier-. S. D. Wright. No. 1,064,187; June 10; Gaz. vol. 191; p. 384.
- Car, Dump-. H. E. Thompson. No. 1,049,622; Jan. 7; Gaz. vol. 186; p. 105.
- Car, Dump-. F. Seaberg. No. 1,050,240; Jan. 14; Gaz. vol. 186; p. 346.
- Car, Dump-. W. E. Morey and J. H. Gaetjé. No. 1,050,975; Jan. 21; Gaz. vol. 186; p. 635.
- Car, Dump-. F. Seaberg. No. 1,055,423; Mar. 11; Gaz. vol. 188; p. 295.
- Car, Dump-. T. R. McKnight. No. 1,055,773; Mar. 11; Gaz. vol. 188; p. 412.
- Car, Dump-. C. J. Weston. No. 1,058,649; Apr. 8; Gaz. vol. 189; p. 473.
- Car, Dump-. J. C. Neikirk. No. 1,060,356; Apr. 29; Gaz. vol. 189; p. 1174.
- Car, Dump-. S. Otis. No. 1,061,004; May 6; Gaz. vol. 190; p. 154.
- Car, Dump-. T. R. McKnight. No. 1,063,276; June 3; Gaz. vol. 191; p. 36.
- Car, Dump-. T. R. McKnight. No. 1,064,945; June 17; Gaz. vol. 191; p. 641.
- Car, Dump-. C. H. Clark. No. 1,065,217; June 17; Gaz. vol. 191; p. 761.
- Car, Dump-. S. Otis. (Reissue.) No. 1,3582; June 24; Gaz. vol. 191; p. 1038.
- Car, Dump-. C. Streilner and J. Sierk. No. 1,067,074; July 8; Gaz. vol. 192; p. 433.
- Car, Dump-. A. Campbell. No. 1,069,763; Aug. 12; Gaz. vol. 193; p. 262.
- Car, Dump-. W. H. Yost. No. 1,072,684; Sept. 9; Gaz. vol. 194; p. 375.
- Car, Dump-. D. E. Blair. No. 1,075,687; Oct. 14; Gaz. vol. 195; p. 406.
- Car, Dump-. A. Campbell. No. 1,076,011; Oct. 14; Gaz. vol. 195; p. 516.
- Car-dump, Automatic. J. J. Putnam. No. 1,059,761; Apr. 22; Gaz. vol. 189; p. 929.
- Car, Dump or drop-bottom. A. Campbell. No. 1,077,389; Nov. 4; Gaz. vol. 196; p. 52.
- Car, Dumping-. T. W. Weaver. No. 1,051,378; Jan. 21; Gaz. vol. 186; p. 771.
- Car, Dumping-. A. Christianson. No. 1,061,818; May 13; Gaz. vol. 190; p. 463.
- Car, Dumping-. G. A. Minetty. No. 1,062,353; May 20; Gaz. vol. 190; p. 685.
- Car, Dumping-. E. H. Schur. No. 1,066,156; July 1; Gaz. vol. 192; p. 88.
- Car, Dumping-. C. G. Harrington. No. 1,066,607; July 8; Gaz. vol. 192; p. 275.
- Car, Dumping-. C. G. Harrington. No. 1,066,728; July 8; Gaz. vol. 192; p. 319.
- Car, Dumping-. P. F. Dundon. No. 1,075,094; Oct. 7; Gaz. vol. 195; p. 174.
- Car, Dumping-. R. G. Work. No. 1,075,744; Oct. 14; Gaz. vol. 195; p. 425.
- Car, Dumping-. R. W. Davies. No. 1,079,977; Dec. 2; Gaz. vol. 197; p. 20.
- Car, Dumping-. C. P. Astrom. No. 1,080,619; Dec. 9; Gaz. vol. 197; p. 275.
- Car-dumping mechanism. N. S. Reeder. No. 1,075,495; Oct. 14; Gaz. vol. 195; p. 340.
- Car, Electrically-propelled motor-. F. G. Liljenroth. No. 1,052,263; Feb. 4; Gaz. vol. 187; p. 144.
- Car, Elevated-railway. B. B. Allen and C. H. Sullivan. No. 1,056,723; Mar. 18; Gaz. vol. 188; p. 770.
- Car end. W. T. Van Dorn. No. 1,070,380; Aug. 12; Gaz. vol. 193; p. 475.
- Car end construction, Railway-. V. E. Sisson. No. 1,071,813; Sept. 2; Gaz. vol. 194; p. 50.
- Car end construction, Railway-. J. J. Cooper. No. 1,072,431; Sept. 9; Gaz. vol. 194; p. 288.
- Car end construction, Railway-. J. M. Rohlfing. No. 1,074,746; Oct. 7; Gaz. vol. 195; p. 55.
- Car end construction, Railway-. V. M. Summa. No. 1,078,222; Nov. 11; Gaz. vol. 196; p. 368.
- Car end frame. H. M. Pfager. No. 1,049,762; Jan. 7; Gaz. vol. 186; p. 151.
- Car end frame. J. M. Rohlfing. No. 1,066,531; July 8; Gaz. vol. 192; p. 248.
- Car end frame. H. M. Pfager. No. 1,072,646; Sept. 9; Gaz. vol. 194; p. 362.
- Car end frame. W. R. Cavanaugh. No. 1,073,663; Sept. 23; Gaz. vol. 194; p. 780.
- Car end frame. H. M. Pfager. No. 1,073,706; Sept. 23; Gaz. vol. 194; p. 796.

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- Car end framing, Railway-. W. J. Knox. No. 1,066,122; July 1; Gaz. vol. 192; p. 77.
- Car end plate, Railway-. H. R. Rochester. No. 1,063,600; June 3; Gaz. vol. 191; p. 148.
- Car end structure, Railway-. W. P. Murphy. No. 1,058,783; Apr. 15; Gaz. vol. 189; p. 558.
- Car end underframe. C. S. Shallenberger. No. 1,076,243; Oct. 21; Gaz. vol. 195; p. 622.
- Car ends, Attaching means for. W. T. Van Dorn. No. 1,074,225; Sept. 30; Gaz. vol. 194; p. 999.
- Car ends, Bracing structure for railway-. V. E. Sisson. No. 1,058,890; Apr. 15; Gaz. vol. 189; p. 597.
- Car extension-step, Railway-. E. M. Condos. No. 1,072,207; Sept. 2; Gaz. vol. 194; p. 183.
- Car-fastening. G. H. Lightly. No. 1,058,608; Apr. 8; Gaz. vol. 189; p. 460.
- Car-feeding device for cages. C. E. Brooks and C. Gates. No. 1,058,405; Apr. 8; Gaz. vol. 189; p. 393.
- Car-fender. G. D. White. No. 1,050,412; Jan. 14; Gaz. vol. 186; p. 405.
- Car-fender. G. H. Clapp. No. 1,051,947; Feb. 4; Gaz. vol. 187; p. 35.
- Car-fender. C. Julier. No. 1,053,827; Feb. 18; Gaz. vol. 187; p. 754.
- Car-fender. C. Moore. No. 1,053,853; Feb. 18; Gaz. vol. 187; p. 762.
- Car-fender. J. A. Devitt. No. 1,055,721; Mar. 11; Gaz. vol. 188; p. 393.
- Car-fender. J. F. Johnson. No. 1,056,551; Mar. 18; Gaz. vol. 188; p. 712.
- Car-fender. M. Jacobson. No. 1,059,734; Apr. 22; Gaz. vol. 189; p. 920.
- Car-fender. J. P. Geraghty and G. W. Naylor. No. 1,059,861; Apr. 22; Gaz. vol. 189; p. 960.
- Car-fender. J. Schneider. No. 1,061,019; May 6; Gaz. vol. 190; p. 159.
- Car-fender. J. R. Lilley. No. 1,061,245; May 6; Gaz. vol. 190; p. 234.
- Car-fender. M. J. Wozneck. No. 1,061,438; May 13; Gaz. vol. 190; p. 334.
- Car-fender. W. T. Watson. No. 1,062,526; May 20; Gaz. vol. 190; p. 741.
- Car-fender. F. Lillich. No. 1,064,750; June 17; Gaz. vol. 191; p. 612.
- Car-fender. G. W. Deatrich, Sr. No. 1,066,382; July 1; Gaz. vol. 192; p. 167.
- Car-fender. W. Dickenson. No. 1,067,006; July 8; Gaz. vol. 192; p. 411.
- Car-fender. E. Bosnyakovits. No. 1,067,779; July 15; Gaz. vol. 192; p. 711.
- Car-fender. J. A. MacMahon and J. T. Warden. No. 1,068,682; July 29; Gaz. vol. 192; p. 1092.
- Car-fender. G. Mellino. No. 1,068,913; July 29; Gaz. vol. 192; p. 1175.
- Car-fender. F. A. Nelson and H. E. Gilham. No. 1,068,918; July 29; Gaz. vol. 192; p. 1176.
- Car-fender. F. A. Nelson and E. T. Flateboe. No. 1,069,023; July 29; Gaz. vol. 192; p. 1211.
- Car-fender. F. W. Hild and E. T. Flateboe. No. 1,069,063; July 29; Gaz. vol. 192; p. 1224.
- Car-fender. G. H. Putnam. No. 1,069,467; Aug. 5; Gaz. vol. 193; p. 133.
- Car-fender. P. McCullough. No. 1,071,252; Aug. 26; Gaz. vol. 193; p. 842.
- Car-fender. J. A. MacMahon. No. 1,078,868; Nov. 18; Gaz. vol. 196; p. 624.
- Car-fender. W. T. Tate. No. 1,079,194; Nov. 18; Gaz. vol. 196; p. 738.
- Car-fender. J. B. Paxton, Jr. No. 1,082,235; Dec. 23; Gaz. vol. 197; p. 886.
- Car fender and brake, Combined. J. A. Laughlin. No. 1,077,285; Nov. 4; Gaz. vol. 196; p. 15.
- Car-fender construction. E. E. Hott. No. 1,057,429; Apr. 1; Gaz. vol. 189; p. 13.
- Car fender, Street-. A. O. Barroul. No. 1,074,036; Sept. 23; Gaz. vol. 194; p. 906.
- Car fender, Street-. T. W. McKiernan. No. 1,075,155; Oct. 7; Gaz. vol. 195; p. 195.
- Car fender, Street-. J. F. Guyn. No. 1,081,736; Dec. 16; Gaz. vol. 197; p. 686.
- Car-floor construction. W. E. Fowler, Sr. No. 1,062,701; May 27; Gaz. vol. 190; p. 842.
- Car for transporting granulated sugar in bulk, Tank-. R. P. White. No. 1,050,889; Jan. 21; Gaz. vol. 186; p. 604.
- Car-frame construction. H. M. Pfager. No. 1,056,445; Mar. 18; Gaz. vol. 188; p. 674.
- Car-frame construction. H. M. Pfager. No. 1,080,163; Dec. 2; Gaz. vol. 197; p. 86.
- Car-framework. E. Posson. No. 1,062,731; May 27; Gaz. vol. 190; p. 851.
- Car-framework. E. Posson. No. 1,062,732; May 27; Gaz. vol. 190; p. 851.
- Car, Freight-. F. G. Miller. No. 1,081,853; Dec. 16; Gaz. vol. 197; p. 728.
- Car friction draft-rigging, Railway-. J. F. O'Connor. No. 1,060,698; May 6; Gaz. vol. 190; p. 47.
- Car friction draft-rigging, Railway-. J. F. O'Connor. No. 1,065,072; June 17; Gaz. vol. 191; p. 715.
- Car friction draft-rigging, Railway-. J. F. O'Connor. No. 1,065,073; June 17; Gaz. vol. 191; p. 715.
- Car friction draft-rigging, Railway-. J. F. O'Connor. No. 1,077,366; Nov. 4; Gaz. vol. 196; p. 44.
- Car, Funeral-. I. S. Marvin. No. 1,072,864; Sept. 9; Gaz. vol. 194; p. 439.
- Car gate or door operating mechanism, Passenger-. C. A. Remelius. No. 1,067,681; July 15; Gaz. vol. 192; p. 678.
- Car, General-service dump-. A. Campbell. No. 1,056,884; Mar. 25; Gaz. vol. 188; p. 855.
- Car grain-door. J. Klinkhammer. No. 1,054,213; Feb. 25; Gaz. vol. 187; p. 924.
- Car grain-door, Box-. D. D. Chase. No. 1,069,111; Aug. 5; Gaz. vol. 193; p. 8.
- Car grain-door, Railway-. J. Moravec. No. 1,063,997; June 10; Gaz. vol. 191; p. 318.
- Car guard-rail, Street-. J. Q. Brown and H. L. Griswold. No. 1,060,063; Apr. 29; Gaz. vol. 189; p. 1072.
- Car, Hand-. N. Nelson. No. 1,074,523; Sept. 30; Gaz. vol. 194; p. 1095.
- Car, Hand-. J. M. Taft. No. 1,076,717; Oct. 28; Gaz. vol. 195; p. 844.
- Car-heating apparatus. E. C. Sofio. No. 1,052,017; Feb. 4; Gaz. vol. 187; p. 60.
- Car-heating apparatus. J. S. McWhirter. No. 1,064,151; June 10; Gaz. vol. 191; p. 371.
- Car-heating system. E. H. Gold. No. 1,077,525; Nov. 4; Gaz. vol. 196; p. 101.
- Car-heating system, Electric-railway-. F. Hedley and J. S. Doyle. No. 1,054,767; Mar. 4; Gaz. vol. 188; p. 39.
- Car-hood. W. Lamplugh. No. 1,070,347; Aug. 12; Gaz. vol. 193; p. 462.
- Car-hood frame, Railway-. B. V. H. Johnson. No. 1,056,906; Mar. 25; Gaz. vol. 188; p. 862.
- Car, Hopper-. F. L. Irwin and J. E. Tesseyman. No. 1,062,237; May 20; Gaz. vol. 190; p. 647.
- Car, Hopper-. F. L. Irwin and J. E. Tesseyman. No. 1,067,784; July 15; Gaz. vol. 192; p. 712.
- Car, Hopper-. A. Campbell. No. 1,071,699; Sept. 2; Gaz. vol. 194; p. 10.
- Car, Hopper-. F. L. Irwin and J. E. Tesseyman. No. 1,075,571; Oct. 14; Gaz. vol. 195; p. 366.
- Car, Hopper-. F. L. Irwin and J. E. Tesseyman. No. 1,075,572; Oct. 14; Gaz. vol. 195; p. 366.
- Car, Hopper-. H. C. Priebe. No. 1,077,299; Nov. 4; Gaz. vol. 196; p. 19.
- Car, Hopper-bottom. A. Campbell. No. 1,062,384; May 20; Gaz. vol. 190; p. 696.
- Car, Hopper-bottom. G. E. Babbitt. No. 1,066,978; July 8; Gaz. vol. 192; p. 402.
- Car, Hopper-bottom dump-. C. J. W. Clasen. No. 1,071,141; Aug. 26; Gaz. vol. 193; p. 804.
- Car, Hopper-bottom dump-. H. Zahl. No. 1,078,478; Nov. 11; Gaz. vol. 196; p. 457.
- Car hose-coupling, Railway-. W. Gamboni. No. 1,061,908; May 13; Gaz. vol. 190; p. 491.
- Car indicator, Street-. D. H. Ward. No. 1,063,753; June 3; Gaz. vol. 191; p. 202.
- Car indicator, Street-. H. Klarman. No. 1,081,389; Dec. 16; Gaz. vol. 197; p. 574.
- Car-inspection device, Grain-. B. F. Owens. No. 1,063,135; May 27; Gaz. vol. 190; p. 985.
- Car, Interchangeable hopper and general-service dump-. A. Campbell. No. 1,054,087; Feb. 25; Gaz. vol. 187; p. 878.
- Car, Interchangeable side or center dump. A. Campbell. No. 1,053,570; Feb. 18; Gaz. vol. 187; p. 668.
- Car journal-box. J. Noll. No. 1,058,893; Apr. 15; Gaz. vol. 189; p. 598.
- Car journal-box and lid. J. F. O'Connor. No. 1,064,692; June 10; Gaz. vol. 191; p. 556.
- Car journal-box, Railway-. J. A. Hyle. No. 1,058,060; Apr. 8; Gaz. vol. 189; p. 270.
- Car-lighting system. H. G. Thompson. No. 1,070,080; Aug. 12; Gaz. vol. 193; p. 369.
- Car-lighting system. W. Cooper. No. 1,079,400; Nov. 25; Gaz. vol. 196; p. 837.
- Car-lighting system. W. Cooper. No. 1,079,401; Nov. 25; Gaz. vol. 196; p. 837.
- Car-loader. J. A. Lindgren. No. 1,062,485; May 20; Gaz. vol. 190; p. 729.
- Car-loader. J. Ecks. No. 1,072,441; Sept. 9; Gaz. vol. 194; p. 291.
- Car loader, Box-. A. J. Vivian. No. 1,073,376; Sept. 16; Gaz. vol. 194; p. 658.
- Car-lock, Registering. G. Daniel and E. G. Lewis. No. 1,062,539; May 20; Gaz. vol. 190; p. 745.
- Car lubricator, Mine-. J. H. Thomas. No. 1,080,500; Dec. 2; Gaz. vol. 197; p. 203.
- Car metal underframe construction. W. P. Bettendorf. No. 1,062,690; May 27; Gaz. vol. 190; p. 838.
- Car, Milk-distributing. K. W. Heyman. No. 1,064,324; June 10; Gaz. vol. 191; p. 430.
- Car, Motor-. A. Palmros. No. 1,053,062; Feb. 11; Gaz. vol. 187; p. 448.
- Car, Motor-. P. H. Adams. No. 1,081,080; Dec. 9; Gaz. vol. 197; p. 430.

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- Car-mover. L. W. McGowan. No. 1,058,450; Apr. 8; Gaz. vol. 189; p. 408.
- Car, Observation-. A. F. Blavati. No. 1,057,919; Apr. 1; Gaz. vol. 189; p. 179.
- Car or the like, Freight-. L. J. Warner. No. 1,072,887; Sept. 9; Gaz. vol. 194; p. 449.
- Car or train controlling apparatus, Railway. B. F. Oler. No. 1,070,283; Aug. 12; Gaz. vol. 193; p. 440.
- Car, Ore-. G. E. Truax. No. 1,055,575; Mar. 11; Gaz. vol. 188; p. 344.
- Car-partition, Adjustable. J. H. Page. No. 1,052,747; Feb. 11; Gaz. vol. 187; p. 338.
- Car, Passenger-. W. Major. No. 1,054,430; Feb. 25; Gaz. vol. 187; p. 998.
- Car, Passenger-. H. E. Haddock. No. 1,054,539; Feb. 25; Gaz. vol. 187; p. 1033.
- Car, Passenger-. P. N. Jones. No. 1,061,750; May 13; Gaz. vol. 190; p. 444.
- Car, Passenger-. C. A. Remelius. No. 1,067,488; July 15; Gaz. vol. 192; p. 613.
- Car, Passenger-. W. S. Adams. No. 1,068,201; July 22; Gaz. vol. 192; p. 887.
- Car, Pay-as-you-enter. R. D. Webb. No. 1,056,613; Mar. 18; Gaz. vol. 188; p. 732.
- Car-placard device, Interchangeable-. C. L. Herbst and R. C. Avansino. No. 1,082,155; Dec. 23; Gaz. vol. 197; p. 857.
- Car-platform buffing mechanism. C. T. Westlake and C. F. Frede. No. 1,049,627; Jan. 7; Gaz. vol. 186; p. 107.
- Car-platform buffing mechanism. C. T. Westlake and C. F. Frede. No. 1,050,188; Jan. 14; Gaz. vol. 186; p. 328.
- Car-platform buffing mechanism. C. T. Westlake and C. F. Frede. No. 1,051,039; Jan. 21; Gaz. vol. 186; p. 658.
- Car-platform buffing mechanism. C. T. Westlake and C. F. Frede. No. 1,054,953; Mar. 4; Gaz. vol. 188; p. 101.
- Car-platform extension. J. C. Mayo. No. 1,056,038; Mar. 18; Gaz. vol. 188; p. 535.
- Car, Pole dumping-. L. Dye. No. 1,062,956; May 27; Gaz. vol. 190; p. 927.
- Car-propeller. F. E. Butler. No. 1,059,434; Apr. 22; Gaz. vol. 189; p. 822.
- Car protective device, Street-. E. E. F. Creighton. No. 1,078,131; Nov. 11; Gaz. vol. 196; p. 337.
- Car, Railway-. H. H. Hewitt. No. 1,058,430; Apr. 8; Gaz. vol. 189; p. 402.
- Car, Railway-. E. Posson. No. 1,064,004; June 10; Gaz. vol. 191; p. 320.
- Car, Railway-. W. M. Ryan. No. 1,069,729; Aug. 12; Gaz. vol. 193; p. 250.
- Car, Railway-. W. M. Ryan. No. 1,069,730; Aug. 12; Gaz. vol. 193; p. 250.
- Car, Railway-. B. V. H. Johnson. No. 1,069,957; Aug. 12; Gaz. vol. 193; p. 328.
- Car, Railway-. A. Ekstrom. No. 1,071,304; Aug. 26; Gaz. vol. 193; p. 859.
- Car, Railway-. J. Lindall. No. 1,071,644; Aug. 26; Gaz. vol. 193; p. 971.
- Car, Railway-. J. P. Leggett. No. 1,073,429; Sept. 16; Gaz. vol. 194; p. 676.
- Car, Railway-. O. Sigismund. No. 1,078,068; Nov. 11; Gaz. vol. 196; p. 316.
- Car, Railway-. H. Pearson. No. 1,078,373; Nov. 11; Gaz. vol. 196; p. 422.
- Car, Railway-. E. W. Summers. (Reissue.) No. 1,364,646; Nov. 11; Gaz. vol. 196; p. 503.
- Car, Railway-. R. H. Beach. No. 1,081,942; Dec. 23; Gaz. vol. 197; p. 785.
- Car, Railway scoop-. L. E. Johnson. No. 1,078,289; Nov. 11; Gaz. vol. 196; p. 392.
- Car-replacer. W. M. Robbins. No. 1,060,213; Apr. 29; Gaz. vol. 189; p. 1122.
- Car-replacer. A. L. Calhoun. No. 1,060,534; May 6; Gaz. vol. 190; p. 7.
- Car-replacer. J. Clement. No. 1,064,818; June 17; Gaz. vol. 191; p. 632.
- Car-replacer. W. H. Ward. No. 1,068,953; July 29; Gaz. vol. 192; p. 1189.
- Car-replacer. J. L. Klavon. No. 1,077,478; Nov. 4; Gaz. vol. 196; p. 85.
- Car-replacer. W. J. Dixon. No. 1,082,936; Dec. 30; Gaz. vol. 197; p. 1163.
- Car replacer and derailler. R. B. Sorensen. No. 1,074,754; Oct. 7; Gaz. vol. 195; p. 58.
- Car roller side bearing, Railway-. J. F. O'Connor. No. 1,056,822; Mar. 25; Gaz. vol. 188; p. 833.
- Car-roof. J. J. Tatum. No. 1,052,102; Feb. 4; Gaz. vol. 187; p. 90.
- Car-roof. W. Voss. No. 1,052,774; Feb. 11; Gaz. vol. 187; p. 348.
- Car-roof. W. S. Bidle and J. A. Costello. No. 1,053,558; Feb. 18; Gaz. vol. 187; p. 663.
- Car-roof. J. A. Costello. No. 1,053,710; Feb. 18; Gaz. vol. 187; p. 717.
- Car-roof. W. S. Bidle and J. A. Costello. No. 1,056,622; Mar. 18; Gaz. vol. 188; p. 735.
- Car-roof. G. Vermeulen. No. 1,057,511; Apr. 1; Gaz. vol. 189; p. 40.
- Car-roof. C. E. Latta and W. D. Thompson. No. 1,058,989; Apr. 15; Gaz. vol. 189; p. 631.
- Car-roof. H. A. Christy. No. 1,061,268; May 13; Gaz. vol. 190; p. 277.
- Car-roof. J. J. McCarthy. No. 1,067,535; July 15; Gaz. vol. 192; p. 628.
- Car-roof. H. A. Christy. No. 1,068,319; July 22; Gaz. vol. 192; p. 929.
- Car-roof. H. A. Christy. No. 1,068,321; July 22; Gaz. vol. 192; p. 930.
- Car-roof. J. L. Mohun. No. 1,069,563; Aug. 5; Gaz. vol. 193; p. 164.
- Car-roof. N. L. Friese. No. 1,074,255; Sept. 30; Gaz. vol. 194; p. 1008.
- Car-roof. J. L. Mohun. No. 1,077,632; Nov. 4; Gaz. vol. 196; p. 134.
- Car-roof. V. M. Summa. No. 1,078,967; Nov. 18; Gaz. vol. 196; p. 656.
- Car-roof. T. N. Russell. No. 1,080,173; Dec. 2; Gaz. vol. 197; p. 89.
- Car-roof. T. N. Russell. No. 1,082,974; Dec. 30; Gaz. vol. 197; p. 1176.
- Car-roof. R. W. Burnett. No. 1,083,240; Dec. 30; Gaz. vol. 197; p. 1260.
- Car-roof carline. W. S. Bidle and J. A. Costello. No. 1,053,557; Feb. 18; Gaz. vol. 187; p. 663.
- Car-roof construction. W. S. Bidle and J. A. Costello. No. 1,053,699; Feb. 18; Gaz. vol. 187; p. 712.
- Car-roof construction. J. A. Costello. No. 1,056,505; Mar. 18; Gaz. vol. 188; p. 696.
- Car-roof construction. W. S. Bidle and J. A. Costello. No. 1,064,958; June 17; Gaz. vol. 191; p. 678.
- Car-roof construction. J. L. Mohun. No. 1,069,565; Aug. 5; Gaz. vol. 193; p. 164.
- Car-roof construction. J. L. Mohun. No. 1,077,631; Nov. 4; Gaz. vol. 196; p. 134.
- Car-roof construction. J. L. Mohun. No. 1,077,633; Nov. 4; Gaz. vol. 196; p. 135.
- Car-roof construction. C. W. Renner. No. 1,079,800; Nov. 25; Gaz. vol. 196; p. 978.
- Car-roof, Flexible metallic. J. L. Mohun. No. 1,069,562; Aug. 5; Gaz. vol. 193; p. 163.
- Car-roof, Flexible metallic. J. L. Mohun. No. 1,069,564; Aug. 5; Gaz. vol. 193; p. 164.
- Car-roof, Metallic. H. A. Christy. No. 1,068,317; July 22; Gaz. vol. 192; p. 928.
- Car roof, Railway-. W. P. Bettendorf. No. 1,055,698; Mar. 11; Gaz. vol. 188; p. 387.
- Car roof structure, Railway-. J. R. Carmer. No. 1,050,805; Jan. 21; Gaz. vol. 186; p. 573.
- Car-roofs, Carline for. V. E. Sisson. No. 1,066,669; July 8; Gaz. vol. 192; p. 296.
- Car-roofs, Hood-cap for outside metal. D. Murphy. No. 1,081,323; Dec. 16; Gaz. vol. 197; p. 551.
- Car-roofs, Retaining-clip for. C. C. Murphy. No. 1,057,080; Mar. 25; Gaz. vol. 188; p. 922.
- Car running-board. A. C. Murphy. No. 1,050,377; Jan. 14; Gaz. vol. 186; p. 394.
- Car running-gear. J. F. Fox. No. 1,068,385; July 22; Gaz. vol. 192; p. 951.
- Car running-gear and draw-bar attachment, Mine-. J. F. Fox. No. 1,077,601; Nov. 4; Gaz. vol. 196; p. 124.
- Car running-gear, Railway-. A. R. Angus. No. 1,077,505; Nov. 4; Gaz. vol. 196; p. 95.
- Car safety attachment, Freight-. T. Rivard. No. 1,062,255; May 20; Gaz. vol. 190; p. 653.
- Car sand-box, Street-. T. J. Delaney. No. 1,063,019; May 27; Gaz. vol. 190; p. 946.
- Car, Scoop-. F. P. Sinn and F. E. Pierce. No. 1,071,104; Aug. 26; Gaz. vol. 193; p. 792.
- Car screen, Motor-. J. F. and E. N. Kennedy. No. 1,080,458; Dec. 2; Gaz. vol. 197; p. 190.
- Car screen, Passenger-. C. G. Morgner. No. 1,071,565; Aug. 26; Gaz. vol. 193; p. 944.
- Car-seal lock. E. Tyden. No. 1,080,186; Dec. 2; Gaz. vol. 197; p. 83.
- Car-seat. A. Wheatley. No. 1,051,040; Jan. 21; Gaz. vol. 186; p. 658.
- Car-seat. A. Wheatley. No. 1,059,246; Apr. 15; Gaz. vol. 189; p. 719.
- Car-seat. F. Bennett. No. 1,078,767; Nov. 18; Gaz. vol. 196; p. 590.
- Car-seat. C. A. Van Derveer. No. 1,078,811; Nov. 18; Gaz. vol. 196; p. 605.
- Car-seat. F. Bennett. No. 1,078,897; Nov. 18; Gaz. vol. 196; p. 634.
- Car seat and door arrangement. F. Hedley and J. S. Doyle. No. 1,074,862; Oct. 7; Gaz. vol. 195; p. 92.
- Car-seat, Convertible. R. C. Smith. No. 1,060,293; Apr. 29; Gaz. vol. 189; p. 1152.
- Car-seat pedestal. R. B. Liddell. No. 1,055,195; Mar. 4; Gaz. vol. 188; p. 181.
- Car side. W. E. Fowler, Sr., and C. F. Murray. No. 1,065,932; July 1; Gaz. vol. 192; p. 9.
- Car side bearing, Railway-. J. F. O'Connor. No. 1,065,071; June 17; Gaz. vol. 191; p. 715.
- Car side bearing, Railway-. J. F. O'Connor. No. 1,070,060; Aug. 12; Gaz. vol. 193; p. 363.
- Car side construction. W. E. Fowler, Sr. No. 1,065,931; July 1; Gaz. vol. 192; p. 8.

Alphabetical list of inventions—Continued.

- Car side construction. W. E. Fowler, Sr. No. 1,065,933; July 1; Gaz. vol. 192; p. 9.
- Car side-door-frame bottom member. C. H. Howard. No. 1,074,793; Oct. 7; Gaz. vol. 195; p. 71.
- Car side-door frame, Railway-. W. J. Knox. No. 1,079,652; Nov. 25; Gaz. vol. 196; p. 923.
- Car, Side-dump. C. H. Clark. No. 1,065,218; June 17; Gaz. vol. 191; p. 761.
- Car, Side-dump. G. A. Rakowsky. No. 1,066,527; July 8; Gaz. vol. 192; p. 246.
- Car side frame, Railway-. A. J. Bates. No. 1,062,316; May 20; Gaz. vol. 190; p. 674.
- Car side framing-panel, Railway-. W. J. Knox. No. 1,060,344; Apr. 29; Gaz. vol. 189; p. 1170.
- Car-side tightener. W. E. Fowler, Sr. No. 1,079,331; Nov. 25; Gaz. vol. 196; p. 814.
- Car, Single-track street-. M. W. Gorham. No. 1,064,141; June 10; Gaz. vol. 191; p. 368.
- Car-spring. G. B. Dorey. No. 1,073,102; Sept. 16; Gaz. vol. 194; p. 561.
- Car-stake. W. E. Callaway. No. 1,051,862; Feb. 4; Gaz. vol. 187; p. 5.
- Car-stake. J. R. Murphy. No. 1,056,290; Mar. 18; Gaz. vol. 188; p. 621.
- Car-stake. P. H. Hendrickson. No. 1,068,339; July 22; Gaz. vol. 192; p. 936.
- Car-stake. E. B. Shields. No. 1,072,516; Sept. 9; Gaz. vol. 194; p. 317.
- Car-stake. L. L. Bartlett. No. 1,073,319; Sept. 16; Gaz. vol. 194; p. 638.
- Car-stake. W. F. Droste. No. 1,073,892; Sept. 23; Gaz. vol. 194; p. 858.
- Car-stake. R. P. Borgia. No. 1,081,807; Dec. 16; Gaz. vol. 197; p. 712.
- Car stake and bunk. W. Houghton. No. 1,068,401; July 22; Gaz. vol. 192; p. 956.
- Car stake and bunk. F. W. Chriswell. No. 1,079,109; Nov. 18; Gaz. vol. 196; p. 708.
- Car stake and bunk, Combined. F. J. Libby. No. 1,057,563; Apr. 1; Gaz. vol. 189; p. 57.
- Car-stake and pocket. C. H. Vandonk. No. 1,074,668; Oct. 7; Gaz. vol. 195; p. 28.
- Car-stake holder. R. J. Barry. No. 1,071,384; Aug. 26; Gaz. vol. 193; p. 886.
- Car stake, Logging-. E. B. Shields. No. 1,065,889; June 24; Gaz. vol. 191; p. 1028.
- Car-stake, Releasable. W. Houghton. No. 1,056,753; Mar. 18; Gaz. vol. 188; p. 782.
- Car-standard. J. F. Menees. No. 1,082,816; Dec. 30; Gaz. vol. 197; p. 1122.
- Car-starting device, Motor-. J. R. Kinney. No. 1,077,884; Nov. 4; Gaz. vol. 196; p. 220.
- Car-starting device, Motor-. J. R. Kinney. No. 1,082,595; Dec. 30; Gaz. vol. 197; p. 1043.
- Car, Steel. C. H. Anderson. No. 1,083,176; Dec. 30; Gaz. vol. 197; p. 1238.
- Car, Steel box-. R. V. Sage. No. 1,059,770; Apr. 22; Gaz. vol. 189; p. 932.
- Car-step. W. E. Giles. No. 1,052,476; Feb. 11; Gaz. vol. 187; p. 249.
- Car-step. J. N. Marquette. No. 1,056,745; Mar. 18; Gaz. vol. 188; p. 779.
- Car-step. I. I. Radulescu. No. 1,064,993; June 17; Gaz. vol. 191; p. 689.
- Car-step. O. Anderson and C. Nelson. No. 1,071,129; Aug. 26; Gaz. vol. 193; p. 800.
- Car-step. J. B. Gardner. No. 1,072,325; Sept. 2; Gaz. vol. 194; p. 220.
- Car-step. J. R. Kunzelman. No. 1,079,565; Nov. 25; Gaz. vol. 196; p. 894.
- Car-step, Adjustable. J. H. Vaughan. No. 1,062,523; May 20; Gaz. vol. 190; p. 741.
- Car-step, Adjustable. W. D. Osterhoudt. No. 1,083,127; Dec. 30; Gaz. vol. 197; p. 1225.
- Car-step and catch therefor, Extensible. A. A. Hammell and C. E. Brooks. No. 1,056,412; Mar. 18; Gaz. vol. 188; p. 660.
- Car step and door, Folding. A. V. Winegarden. No. 1,052,636; Feb. 11; Gaz. vol. 187; p. 303.
- Car step and door, Folding. A. V. Winegarden. No. 1,081,879; Dec. 16; Gaz. vol. 197; p. 736.
- Car-step attachment. J. Morris. No. 1,052,364; Feb. 4; Gaz. vol. 187; p. 176.
- Car-step, Auxiliary. O. Syverson. No. 1,075,070; Oct. 7; Gaz. vol. 195; p. 167.
- Car-step, Extensible. J. M. Cordray. No. 1,056,152; Mar. 18; Gaz. vol. 188; p. 575.
- Car-step, Extension. J. A. Comp. No. 1,052,319; Feb. 4; Gaz. vol. 187; p. 162.
- Car-step, Extension. A. A. Porter. No. 1,053,870; Feb. 18; Gaz. vol. 187; p. 768.
- Car-step, Folding. F. G. McCauley. No. 1,053,049; Feb. 11; Gaz. vol. 187; p. 444.
- Car-step, Folding. A. T. Mills. No. 1,056,041; Mar. 18; Gaz. vol. 188; p. 536.
- Car-step, Folding. E. B. Mayhew. No. 1,062,346; May 20; Gaz. vol. 190; p. 683.
- Car-step, Folding. J. S. and F. D. Blake. No. 1,063,643; June 3; Gaz. vol. 191; p. 164.
- Car-step, Folding. J. Schwertner. No. 1,064,094; June 10; Gaz. vol. 191; p. 351.
- Car-step, Folding. N. Arnoldy. No. 1,066,974; July 8; Gaz. vol. 192; p. 401.
- Car-step, Folding. C. E. Short. No. 1,069,194; Aug. 5; Gaz. vol. 193; p. 37.
- Car-step, Folding. P. J. Strimble. No. 1,079,452; Nov. 25; Gaz. vol. 196; p. 854.
- Car-step, Folding. C. Pepple. No. 1,083,131; Dec. 30; Gaz. vol. 197; p. 1226.
- Car step, Harvest-. T. Gohlke. No. 1,068,890; July 29; Gaz. vol. 192; p. 1166.
- Car-step, Supplemental. G. O. Heinrich. No. 1,077,139; Oct. 28; Gaz. vol. 195; p. 988.
- Car-step, Supplemental. N. A. Thomas. No. 1,081,874; Dec. 16; Gaz. vol. 197; p. 735.
- Car-step, Swinging. M. A. Hoff. No. 1,075,785; Oct. 14; Gaz. vol. 195; p. 438.
- Car-steps. H. Goldman. No. 1,051,400; Jan. 28; Gaz. vol. 186; p. 812.
- Car-steps, Locker and snow-guard for removable. J. N. Marquette. No. 1,075,046; Oct. 7; Gaz. vol. 195; p. 158.
- Car, Stock-. W. H. Canup. No. 1,055,132; Mar. 4; Gaz. vol. 188; p. 162.
- Car, Stock-. H. H. Dudley. No. 1,081,588; Dec. 16; Gaz. vol. 197; p. 639.
- Car-stop, Friction. W. H. Dunn. No. 1,050,819; Jan. 21; Gaz. vol. 186; p. 579.
- Car stop, Mining-. J. A. Nolan. No. 1,072,977; Sept. 9; Gaz. vol. 194; p. 482.
- Car stopper and starter. E. H. Pugh. No. 1,061,567; May 13; Gaz. vol. 190; p. 382.
- Car-stopping device, Automatic. J. S. Strickland and C. H. Beach. No. 1,079,451; Nov. 25; Gaz. vol. 196; p. 854.
- Car-strap, Individual. A. Miller. No. 1,065,383; June 24; Gaz. vol. 191; p. 856.
- Car, Street-. D. A. L. McDonald. No. 1,054,785; Mar. 4; Gaz. vol. 188; p. 45.
- Car, Street-. G. Witty. No. 1,079,202; Nov. 18; Gaz. vol. 196; p. 740.
- Car street-indicator. J. A. Wyatt and J. Simpson. No. 1,058,398; Apr. 8; Gaz. vol. 189; p. 390.
- Car structure. B. D. Jones. No. 1,066,908; July 8; Gaz. vol. 192; p. 379.
- Car structure, Metal. W. P. Murphy. No. 1,058,784; Apr. 15; Gaz. vol. 189; p. 558.
- Car, Tank-. H. C. Priebe. No. 1,056,053; Mar. 18; Gaz. vol. 188; p. 540.
- Car, Tank-. C. A. Shoemaker. No. 1,065,278; June 17; Gaz. vol. 191; p. 782.
- Car, Tank-. C. L. Kennicott. No. 1,067,348; July 15; Gaz. vol. 192; p. 566.
- Car, Tank-. M. Epstein. No. 1,068,750; July 29; Gaz. vol. 192; p. 1115.
- Car, Tank-. L. E. Evens. No. 1,081,032; Dec. 9; Gaz. vol. 197; p. 416.
- Car-temperature register. R. F. Blow and G. W. Sandiford. No. 1,081,200; Dec. 9; Gaz. vol. 197; p. 470.
- Car, Tilting. A. Preussler. No. 1,081,061; Dec. 9; Gaz. vol. 197; p. 425.
- Car, Tool-. J. W. Kendrick. No. 1,072,618; Sept. 9; Gaz. vol. 194; p. 352.
- Car transmission-gearing, Motor-. J. A. Vile. No. 1,050,500; Jan. 14; Gaz. vol. 186; p. 438.
- Car-trap-door latch, Railway-. O. M. Edwards. No. 1,078,777; Nov. 18; Gaz. vol. 196; p. 594.
- Car-trolley. F. E. Covey. No. 1,082,799; Dec. 30; Gaz. vol. 197; p. 1116.
- Car, Turn-table. S. D. Wright. No. 1,056,246; Mar. 18; Gaz. vol. 188; p. 607.
- Car-underframe. C. H. Howard and C. T. Westlake. No. 1,058,058; Apr. 8; Gaz. vol. 189; p. 270.
- Car-underframe. W. P. Bettendorf. No. 1,061,351; May 13; Gaz. vol. 190; p. 305.
- Car-underframe. J. M. Rohlfing. No. 1,061,501; May 13; Gaz. vol. 190; p. 357.
- Car-underframe. C. T. Westlake. No. 1,066,171; July 1; Gaz. vol. 192; p. 94.
- Car-underframe. V. M. Summa. No. 1,066,544; July 8; Gaz. vol. 192; p. 253.
- Car-underframe. V. M. Summa. No. 1,066,545; July 8; Gaz. vol. 192; p. 253.
- Car-underframe. V. M. Summa. No. 1,066,550; July 8; Gaz. vol. 192; p. 255.
- Car-underframe. W. A. Stearns. No. 1,079,958; Dec. 2; Gaz. vol. 197; p. 12.
- Car-underframe. V. M. Summa. No. 1,080,178; Dec. 2; Gaz. vol. 197; p. 90.
- Car-underframe. B. Magor. (Reissue.) No. 13,655; Dec. 9; Gaz. vol. 197; p. 502.
- Car-underframe, Cast-steel. C. H. Howard. No. 1,060,090; Apr. 29; Gaz. vol. 189; p. 1080.
- Car-underframe, Dumping-. W. P. Bettendorf. No. 1,062,689; May 27; Gaz. vol. 190; p. 838.
- Car-underframe, Monosill. V. M. Summa. No. 1,066,546; July 8; Gaz. vol. 192; p. 253.
- Car underframe, Passenger-. S. S. Knight. No. 1,050,954; Jan. 21; Gaz. vol. 186; p. 628.

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- Car underframe, Railway-. A. Campbell. No. 1,065,111; June 17; Gaz. vol. 191; p. 728.
- Car underframe, Railway-. H. M. Pfleger. No. 1,066,840; July 8; Gaz. vol. 192; p. 354.
- Car-ventilating means. T. H. Garland. No. 1,064,312; June 10; Gaz. vol. 191; p. 425.
- Car-ventilating system. D. I. Cooke. No. 1,051,312; Jan. 21; Gaz. vol. 186; p. 750.
- Car-ventilator. W. L. Walsh. No. 1,056,608; Mar. 18; Gaz. vol. 188; p. 731.
- Car-ventilator. R. A. Hammond. No. 1,056,989; Mar. 25; Gaz. vol. 188; p. 891.
- Car ventilator, Railway-. J. E. Ward. No. 1,059,241; Apr. 15; Gaz. vol. 189; p. 717.
- Car-vestibule curtain-fixture. E. F. Chaffee. No. 1,051,195; Jan. 21; Gaz. vol. 186; p. 710.
- Car-vestibule diaphragm. W. H. Forsyth. No. 1,056,407; Mar. 18; Gaz. vol. 188; p. 659.
- Car-vestibule diaphragm. H. H. Schroyer. No. 1,082,241; Dec. 23; Gaz. vol. 197; p. 888.
- Car-vestibule door and trap, Railway-. W. H. Carroll. No. 1,056,149; Mar. 18; Gaz. vol. 188; p. 574.
- Car-weights, Apparatus for indicating. F. C. Maegly. No. 1,050,962; Jan. 21; Gaz. vol. 186; p. 631.
- Car-wheel. G. T. Potter, C. B. Pritchard, and O. L. Marquet. No. 1,057,978; Apr. 1; Gaz. vol. 189; p. 199.
- Car-wheel. H. E. Wilke. No. 1,067,628; July 15; Gaz. vol. 192; p. 660.
- Car-wheel. J. N. Vandegrift. No. 1,071,000; Aug. 19; Gaz. vol. 193; p. 722.
- Car wheel and axle. J. R. Fleming. No. 1,056,525; Mar. 18; Gaz. vol. 188; p. 703.
- Car-wheel lubricator. C. A. Tempest. No. 1,050,576; Jan. 14; Gaz. vol. 186; p. 464.
- Car wheel, Mine-. I. M. Jones. No. 1,051,892; Feb. 4; Gaz. vol. 187; p. 15.
- Car wheel, Mine-. J. S. Skelly. No. 1,058,110; Apr. 8; Gaz. vol. 189; p. 290.
- Car wheel, Mine-. F. C. Hockensmith. No. 1,061,746; May 13; Gaz. vol. 190; p. 443.
- Car wheel, Mine-. W. J. McDonald. No. 1,066,638; July 8; Gaz. vol. 192; p. 286.
- Car wheel, Mine-. H. A. Holzer. No. 1,074,303; Sept. 30; Gaz. vol. 194; p. 1044.
- Car wheel, Mine-. W. M. McCoy. No. 1,081,318; Dec. 16; Gaz. vol. 197; p. 549.
- Car wheel, Motor-. J. A. Glenn. No. 1,063,530; June 3; Gaz. vol. 191; p. 121.
- Car-wheels, Casting. J. K. Griffith. No. 1,066,604; July 8; Gaz. vol. 192; p. 274.
- Car-wheels, Manufacture of. J. M. Hansen. No. 1,061,284; May 13; Gaz. vol. 190; p. 282.
- Car-wheels, Manufacturing. H. R. Keithley. No. 1,073,350; Sept. 16; Gaz. vol. 194; p. 650.
- Car wheels, Roller-bearing for mine-. F. C. Hockensmith. No. 1,066,276; July 1; Gaz. vol. 192; p. 133.
- Car-wheels, Treating steel. E. E. Slick. No. 1,055,672; Mar. 11; Gaz. vol. 188; p. 377.
- Car-window. L. C. Sparks and A. W. L. Hartbauer. No. 1,078,319; Nov. 11; Gaz. vol. 196; p. 403.
- Car-window construction. W. H. Rossman. No. 1,077,857; Nov. 4; Gaz. vol. 196; p. 210.
- Car-window-operating mechanism. W. H. and R. S. Stiver. No. 1,055,567; Mar. 11; Gaz. vol. 188; p. 342.
- Car-window shield. D. Rugg. No. 1,053,877; Feb. 18; Gaz. vol. 187; p. 770.
- Cars, Air-hose coupling for railway-. F. H. Long. No. 1,070,902; Aug. 19; Gaz. vol. 193; p. 690.
- Cars and other vehicles, Life-guard for tram-. W. T. W. H., and P. C. Philipson. No. 1,068,363; July 22; Gaz. vol. 192; p. 944.
- Cars and the like, Temperature-regulating means for. W. Barstow. No. 1,054,815; Mar. 4; Gaz. vol. 188; p. 57.
- Cars and the like, Wind-screen for motor-. W. T. Jolliffe. No. 1,062,402; May 20; Gaz. vol. 190; p. 701.
- Cars, Angle-cock holder for railway-. L. A. Hoerr. No. 1,060,762; May 6; Gaz. vol. 190; p. 68.
- Cars, Antifriction side bearing for railway-. E. S. Woods and A. A. Weigel. No. 1,059,692; Apr. 22; Gaz. vol. 189; p. 906.
- Cars, Appurtenance to heaters of freight-. W. E. Eastman. No. 1,063,246; June 3; Gaz. vol. 191; p. 27.
- Cars, Ballast-spreading attachment for. C. F. Flitts. No. 1,054,913; Mar. 4; Gaz. vol. 188; p. 89.
- Cars, Brace for use in packing boxes and crates in railway-. C. Bacon. No. 1,075,001; Oct. 7; Gaz. vol. 195; p. 140.
- Cars, Brake-pipe for railway-. E. Witzennann. No. 1,051,046; Jan. 21; Gaz. vol. 186; p. 660.
- Cars, Bulkhead for. G. C. Boller and S. K. Clement. No. 1,075,961; Oct. 14; Gaz. vol. 195; p. 498.
- Cars, Change-speed gearing for motor-. V. Lancia. No. 1,056,804; Mar. 25; Gaz. vol. 188; p. 827.
- Cars, Check-holder for mine-. O. E. Dickson. No. 1,054,513; Feb. 25; Gaz. vol. 187; p. 1025.
- Cars, Child's crib or berth attachment for railway-. L. W. Geerekey. No. 1,055,897; Mar. 11; Gaz. vol. 188; p. 453.
- Cars, Combination doorway and step closure for street-. M. Meyer. No. 1,075,049; Oct. 7; Gaz. vol. 195; p. 159.
- Cars, Cot and stretcher holder for railway-. G. Fordham. No. 1,067,597; July 15; Gaz. vol. 192; p. 649.
- Cars, Device for braking railway-. J. W. Bodie. No. 1,078,031; Nov. 11; Gaz. vol. 196; p. 303.
- Cars, Device for preventing the derailing of railway-. H. Riddle. No. 1,072,261; Sept. 2; Gaz. vol. 194; p. 199.
- Cars, Device for replacing derailed. A. F. Broderick. No. 1,081,717; Dec. 16; Gaz. vol. 197; p. 680.
- Cars, Door or gate operating mechanism for the platforms of. E. M. Moller. No. 1,079,713; Nov. 25; Gaz. vol. 196; p. 944.
- Cars, Elastic suspension for the driving-wheels of motor-. D. Measure. No. 1,054,590; Feb. 25; Gaz. vol. 187; p. 1051.
- Cars, Electric-heating system for. F. Hedley and J. S. Doyle. No. 1,054,766; Mar. 4; Gaz. vol. 188; p. 39.
- Cars, Electromagnetic track-brake for railway-. G. G. Kibbee. No. 1,053,830; Feb. 18; Gaz. vol. 187; p. 755.
- Cars, Equalizing system for. G. C. Abbe. No. 1,060,397; Apr. 29; Gaz. vol. 189; p. 1189.
- Cars, Extensible running-board for freight-. E. E. Engle. No. 1,051,205; Jan. 21; Gaz. vol. 186; p. 713.
- Cars, Foot-warmer for. H. Evans. No. 1,069,683; Aug. 12; Gaz. vol. 193; p. 234.
- Cars, Gong-actuating mechanism for electric. R. A. Hefley. No. 1,065,804; June 24; Gaz. vol. 191; p. 999.
- Cars, Hanger-strap for. T. Farmer, Jr. No. 1,065,930; July 1; Gaz. vol. 192; p. 8.
- Cars, Heat-regulator for. G. H. Winans. No. 1,072,408; Sept. 2; Gaz. vol. 194; p. 252.
- Cars, Heating, ventilating, street-annunciating, and draft-producing system for. L. Clark. No. 1,051,687; Jan. 28; Gaz. vol. 186; p. 908.
- Cars, Hood of motor-. A. Aumüller. No. 1,074,232; Sept. 30; Gaz. vol. 194; p. 1001.
- Cars, Inclosure for the bodies of motor-. A. and C. Geissel. No. 1,082,316; Dec. 23; Gaz. vol. 197; p. 917.
- Cars, Inspection device for grain-. B. F. Owens. No. 1,078,948; Nov. 18; Gaz. vol. 196; p. 650.
- Cars into vessels, System for unloading. G. H. Hulett. No. 1,066,015; July 1; Gaz. vol. 192; p. 39.
- Cars, Ladder and handhold for railway-. W. E. Wine. No. 1,075,455; Oct. 14; Gaz. vol. 195; p. 327.
- Cars, Life-guard for railway-. G. A. Parmenter. No. 1,068,444; July 29; Gaz. vol. 192; p. 1010.
- Cars, Life-guard for railway-. G. A. Parmenter. No. 1,068,445; July 29; Gaz. vol. 192; p. 1011.
- Cars, Log-bunk and stake for railway-. C. T. Eaid. No. 1,050,929; Jan. 21; Gaz. vol. 186; p. 620.
- Cars, Log-bunk for railway-. G. L. Hale. No. 1,058,053; Apr. 8; Gaz. vol. 189; p. 268.
- Cars, Means for generating motive fluid for motor-. F. H. Stanard. No. 1,067,771; July 15; Gaz. vol. 192; p. 708.
- Cars, Metal brake-shelf for. J. W. Curran and A. P. Prendergast. No. 1,051,696; Jan. 28; Gaz. vol. 186; p. 912.
- Cars, Metal end for railway-. W. P. Murphy and V. E. Sisson. No. 1,067,189; July 8; Gaz. vol. 192; p. 474.
- Cars, Metal end structure for railway-. W. P. Murphy. No. 1,067,053; July 8; Gaz. vol. 192; p. 426.
- Cars, Mounting of engines in motor-. W. H. Frost. No. 1,076,415; Oct. 21; Gaz. vol. 195; p. 684.
- Cars or vehicles along a railway and the control thereof, Apparatus for governing the passage of. L. A. Hawkins. No. 1,067,228; July 8; Gaz. vol. 192; p. 488.
- Cars or wagons, Automatic coupling for railway and tramway. A. Trombetti. No. 1,056,958; Mar. 25; Gaz. vol. 188; p. 881.
- Cars, Pinch-bar for moving. J. J. Sabo. No. 1,050,852; Jan. 21; Gaz. vol. 186; p. 591.
- Cars, Reinforcing corner-post and end-frame brace for. B. V. H. Johnson. No. 1,064,835; June 17; Gaz. vol. 191; p. 638.
- Cars, Reversible side ballast-unloading plow for. J. Suggett. No. 1,078,755; Nov. 18; Gaz. vol. 196; p. 585.
- Cars, Ridge-brace for box-. A. Treptow. No. 1,070,210; Aug. 12; Gaz. vol. 193; p. 416.
- Cars, Safety fare-box for street-. F. W. Yeo and A. J. Bohl. No. 1,063,758; June 3; Gaz. vol. 191; p. 203.
- Cars, Safety-vent for tank-. W. E. Sharp. No. 1,056,842; Mar. 25; Gaz. vol. 188; p. 840.
- Cars, Sill for railway-. R. W. Burnett and H. H. Vaughan. No. 1,078,660; Nov. 18; Gaz. vol. 196; p. 550.
- Cars, Speed control for motor-. R. Huff. No. 1,077,348; Nov. 4; Gaz. vol. 196; p. 37.
- Cars, Speed-indicator-driving mechanism for railway-. A. B. Cadman. No. 1,053,569; Feb. 18; Gaz. vol. 187; p. 668.
- Cars, Steel frame of railway-. J. C. Pillsbury. No. 1,067,061; July 8; Gaz. vol. 192; p. 429.
- Cars, Steel roof for freight-. W. E. Symons. No. 1,078,968; Nov. 18; Gaz. vol. 196; p. 657.

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- Cars, Support for folding roofs of motor-. K. Ritter. No. 1,053,318; Feb. 18; Gaz. vol. 187; p. 581.
- Cars, Switch-throwing mechanism for railway-. W. L. Slate. No. 1,075,869; Oct. 14; Gaz. vol. 195; p. 467.
- Cars through curved railway-lines, Means for facilitating the passage of. L. Pintner. No. 1,064,167; June 10; Gaz. vol. 191; p. 376.
- Cars, &c., Trap-door for. O. M. Edwards. No. 1,051,395; Jan. 28; Gaz. vol. 186; p. 810.
- Cars, Trip-stanchion for logging-. V. L. Morris. No. 1,061,196; May 6; Gaz. vol. 190; p. 217.
- Carbid-feed, Automatic. E. B. Gladish. No. 1,069,544; Aug. 5; Gaz. vol. 193; p. 158.
- Carbid-feeding mechanism. C. Holder, Jr. No. 1,051,736; Jan. 28; Gaz. vol. 186; p. 925.
- Carbid-producing apparatus. M. W. Murray. No. 1,052,165; Feb. 4; Gaz. vol. 187; p. 112.
- Carbid with calcium cyanamid, Coating. V. Imperatori. No. 1,081,938; Dec. 16; Gaz. vol. 197; p. 755.
- Carbine-hooks, Manufacture of. G. Bischoff. No. 1,067,396; July 15; Gaz. vol. 192; p. 581.
- Carbon and apparatus therefor, Treating. W. A. Smith. No. 1,068,707; July 29; Gaz. vol. 192; p. 1101.
- Carbon and making the same, Active. F. Richter. No. 1,066,322; July 1; Gaz. vol. 192; p. 149.
- Carbon binder and filler. J. S. Rodenhl. No. 1,049,602; Jan. 7; Gaz. vol. 186; p. 98.
- Carbon for carbon filaments, Purifying. J. Billiter. No. 1,062,431; May 20; Gaz. vol. 190; p. 711.
- Carbon for electric-arc lamps. H. Caird. No. 1,066,183; July 1; Gaz. vol. 192; p. 99.
- Carbon-holder. O. S. Gauch. No. 1,054,761; Mar. 4; Gaz. vol. 188; p. 37.
- Carbon or lampblack, Producing. G. Fornekes. No. 1,066,894; July 8; Gaz. vol. 192; p. 374.
- Carbon, Preparation of granular. J. C. Lee. No. 1,071,442; Aug. 26; Gaz. vol. 193; p. 904.
- Carbon, Projector-. J. F. Kerlin. No. 1,065,141; June 17; Gaz. vol. 191; p. 737.
- Carbon, Regenerating of decolorizing-. A. Wijnberg. No. 1,074,337; Sept. 30; Gaz. vol. 194; p. 1035.
- Carbonaceous substances, Treatment of. F. W. Burstall and W. G. Moore. No. 1,068,314; July 22; Gaz. vol. 192; p. 927.
- Carbonating and dispensing machine, Liquid. H. Pein. No. 1,059,000; Apr. 15; Gaz. vol. 189; p. 635.
- Carbonating apparatus. R. Lichter and L. Lewenhoff. No. 1,052,599; Feb. 11; Gaz. vol. 187; p. 290.
- Carbonating apparatus. E. E. Murphy. No. 1,055,648; Mar. 11; Gaz. vol. 188; p. 369.
- Carbonating apparatus. C. L. Bastian. No. 1,056,487; Mar. 18; Gaz. vol. 188; p. 688.
- Carbonating apparatus, Liquid-. H. G. Smart. No. 1,054,800; Mar. 4; Gaz. vol. 188; p. 51.
- Carbonating device, Liquid-. H. H. H. Von Pein. No. 1,058,383; Apr. 8; Gaz. vol. 189; p. 385.
- Carborundum composition. L. Surmont and J. Montecol. No. 1,056,069; Mar. 18; Gaz. vol. 188; p. 546.
- Carbureter. A. C. Stewart. No. 1,049,417; Jan. 7; Gaz. vol. 186; p. 34.
- Carbureter. C. R. Greuter. No. 1,049,705; Jan. 7; Gaz. vol. 186; p. 132.
- Carbureter. E. E. Marsh. No. 1,049,887; Jan. 7; Gaz. vol. 186; p. 192.
- Carbureter. J. H. Gould. No. 1,050,059; Jan. 7; Gaz. vol. 186; p. 251.
- Carbureter. E. H. Woodworth. No. 1,050,322; Jan. 14; Gaz. vol. 186; p. 375.
- Carbureter. R. H. White. No. 1,051,041; Jan. 21; Gaz. vol. 186; p. 659.
- Carbureter. A. Ostler. No. 1,051,440; Jan. 28; Gaz. vol. 186; p. 825.
- Carbureter. C. P. Grimes. No. 1,052,051; Feb. 4; Gaz. vol. 187; p. 72.
- Carbureter. J. M. Dayton. No. 1,052,897; Feb. 11; Gaz. vol. 187; p. 391.
- Carbureter. F. H. Heitger. No. 1,052,917; Feb. 11; Gaz. vol. 187; p. 399.
- Carbureter. C. R. Daellenbach. No. 1,053,136; Feb. 11; Gaz. vol. 187; p. 474.
- Carbureter. F. H. and F. O. Ball. No. 1,053,145; Feb. 18; Gaz. vol. 187; p. 521.
- Carbureter. W. H. C. Higgins, Jr. No. 1,055,042; Mar. 4; Gaz. vol. 188; p. 133.
- Carbureter. E. A. Rumely. No. 1,055,084; Mar. 4; Gaz. vol. 188; p. 147.
- Carbureter. C. J. Pembroke. No. 1,055,352; Mar. 11; Gaz. vol. 188; p. 272.
- Carbureter. W. H. McAndrews. No. 1,057,254; Mar. 25; Gaz. vol. 188; p. 983.
- Carbureter. W. J. Candlish. No. 1,058,407; Apr. 8; Gaz. vol. 189; p. 393.
- Carbureter. C. F. Johnson. No. 1,059,368; Apr. 22; Gaz. vol. 189; p. 797.
- Carbureter. A. C. Stewart. No. 1,059,501; Apr. 22; Gaz. vol. 189; p. 844.
- Carbureter. O. Winkler. No. 1,060,053; Apr. 29; Gaz. vol. 189; p. 1069.
- Carbureter. W. M. Gentle. No. 1,060,545; Apr. 29; Gaz. vol. 189; p. 1240.
- Carbureter. G. A. Clement. No. 1,061,582; May 13; Gaz. vol. 190; p. 387.
- Carbureter. J. W. Mowbray. No. 1,061,626; May 13; Gaz. vol. 190; p. 402.
- Carbureter. E. Gobbl. No. 1,061,835; May 13; Gaz. vol. 190; p. 468.
- Carbureter. C. F. Erickson. No. 1,061,995; May 20; Gaz. vol. 190; p. 563.
- Carbureter. C. H. Myers. No. 1,062,180; May 20; Gaz. vol. 190; p. 627.
- Carbureter. E. R. Conklin. No. 1,062,273; May 20; Gaz. vol. 190; p. 659.
- Carbureter. W. H. C. Higgins, Jr. No. 1,062,333; May 20; Gaz. vol. 190; p. 679.
- Carbureter. C. L. Bastian. No. 1,062,688; May 27; Gaz. vol. 190; p. 837.
- Carbureter. W. Heidelbergmann. No. 1,063,030; May 27; Gaz. vol. 190; p. 950.
- Carbureter. R. M. Anderson. No. 1,063,148; May 27; Gaz. vol. 190; p. 989.
- Carbureter. J. E. Whitacre. No. 1,063,900; June 3; Gaz. vol. 191; p. 250.
- Carbureter. S. P. Smith and C. W. Keiver. No. 1,064,102; June 10; Gaz. vol. 191; p. 353.
- Carbureter. A. S. Comstock. No. 1,064,445; June 10; Gaz. vol. 191; p. 472.
- Carbureter. O. H. Ensign. No. 1,064,628; June 10; Gaz. vol. 191; p. 534.
- Carbureter. A. C. Stewart. No. 1,064,867; June 17; Gaz. vol. 191; p. 648.
- Carbureter. J. B. Naczek. No. 1,065,067; June 17; Gaz. vol. 191; p. 713.
- Carbureter. W. J. Rubesky. No. 1,065,331; June 17; Gaz. vol. 191; p. 801.
- Carbureter. F. Johnston and O. E. Kellum. No. 1,065,370; June 24; Gaz. vol. 191; p. 852.
- Carbureter. H. A. Miller. No. 1,065,462; June 24; Gaz. vol. 191; p. 883.
- Carbureter. J. Byrom. No. 1,065,503; June 24; Gaz. vol. 191; p. 898.
- Carbureter. C. Brown. No. 1,065,916; July 1; Gaz. vol. 192; p. 4.
- Carbureter. G. P. J. Lion and A. E. Brillié. No. 1,065,948; July 1; Gaz. vol. 192; p. 15.
- Carbureter. E. S. Smith. No. 1,065,977; July 1; Gaz. vol. 192; p. 26.
- Carbureter. P. F. Cole. No. 1,066,080; July 1; Gaz. vol. 192; p. 62.
- Carbureter. J. Harris. No. 1,066,608; July 8; Gaz. vol. 192; p. 275.
- Carbureter. J. P. Lavigne. No. 1,067,351; July 15; Gaz. vol. 192; p. 567.
- Carbureter. A. A. Steward. No. 1,067,449; July 15; Gaz. vol. 192; p. 599.
- Carbureter. A. B. Browne. No. 1,067,502; July 15; Gaz. vol. 192; p. 617.
- Carbureter. W. F. Schulz. No. 1,067,623; July 15; Gaz. vol. 192; p. 658.
- Carbureter. C. M. Kemp. No. 1,069,068; July 29; Gaz. vol. 192; p. 1226.
- Carbureter. H. A. Johnson. No. 1,069,335; Aug. 5; Gaz. vol. 193; p. 86.
- Carbureter. C. M. Conklin. No. 1,069,389; Aug. 5; Gaz. vol. 193; p. 106.
- Carbureter. O. A. Eckre. No. 1,069,399; Aug. 5; Gaz. vol. 193; p. 109.
- Carbureter. L. J. Le Pontois. No. 1,069,576; Aug. 5; Gaz. vol. 193; p. 168.
- Carbureter. A. P. Brush. No. 1,069,671; Aug. 12; Gaz. vol. 193; p. 230.
- Carbureter. W. F. Schulz. No. 1,069,817; Aug. 12; Gaz. vol. 193; p. 281.
- Carbureter. J. B. S. Booth. No. 1,070,394; Aug. 19; Gaz. vol. 193; p. 520.
- Carbureter. T. J. B. Drayton and F. K. Woodroffe. No. 1,071,003; Aug. 19; Gaz. vol. 193; p. 723.
- Carbureter. F. H. and F. O. Ball. No. 1,071,858; Sept. 2; Gaz. vol. 194; p. 65.
- Carbureter. H. W. Alden. No. 1,072,376; Sept. 2; Gaz. vol. 194; p. 240.
- Carbureter. G. S. Pierson. No. 1,072,492; Sept. 9; Gaz. vol. 194; p. 308.
- Carbureter. J. Bräutigam. No. 1,072,565; Sept. 9; Gaz. vol. 194; p. 335.
- Carbureter. R. W. Kaltenbach. No. 1,072,733; Sept. 9; Gaz. vol. 194; p. 392.
- Carbureter. E. Sprung. No. 1,073,179; Sept. 16; Gaz. vol. 194; p. 588.
- Carbureter. C. H. Claudel. No. 1,073,473; Sept. 16; Gaz. vol. 194; p. 692.
- Carbureter. W. L. Marr. No. 1,073,695; Sept. 23; Gaz. vol. 194; p. 791.
- Carbureter. L. Atwood. No. 1,073,727; Sept. 23; Gaz. vol. 194; p. 803.
- Carbureter. E. A. Riotte. No. 1,074,574; Sept. 30; Gaz. vol. 194; p. 1112.
- Carbureter. E. A. Riotte. No. 1,074,575; Sept. 30; Gaz. vol. 194; p. 1112.
- Carbureter. E. S. Smith. No. 1,074,577; Sept. 30; Gaz. vol. 194; p. 1113.

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- Carbureter. W. Elkin. No. 1,075,635; Oct. 14; Gaz. vol. 195; p. 389.
- Carbureter. W. Patterson and F. N. Percival. No. 1,076,309; Oct. 21; Gaz. vol. 195; p. 646.
- Carbureter. A. L. Haynes. No. 1,076,827; Oct. 28; Gaz. vol. 195; p. 883.
- Carbureter. A. P. Brush. No. 1,077,256; Nov. 4; Gaz. vol. 196; p. 5.
- Carbureter. W. H. C. Higgins, Jr. No. 1,077,910; Nov. 4; Gaz. vol. 196; p. 229.
- Carbureter. J. Schreiber. No. 1,078,169; Nov. 11; Gaz. vol. 196; p. 350.
- Carbureter. W. A. Cahill. No. 1,078,413; Nov. 11; Gaz. vol. 196; p. 437.
- Carbureter. P. P. L. Jaugey. No. 1,078,582; Nov. 11; Gaz. vol. 196; p. 492.
- Carbureter. W. W. Muir. No. 1,078,590; Nov. 11; Gaz. vol. 196; p. 494.
- Carbureter. W. W. Muir. No. 1,078,591; Nov. 11; Gaz. vol. 196; p. 495.
- Carbureter. W. W. Muir. No. 1,078,592; Nov. 11; Gaz. vol. 196; p. 495.
- Carbureter. J. G. Burchartz. No. 1,079,634; Nov. 25; Gaz. vol. 196; p. 918.
- Carbureter. C. C. B. Morris. No. 1,079,947; Dec. 2; Gaz. vol. 197; p. 8.
- Carbureter. O. B. Monosmith. No. 1,080,118; Dec. 2; Gaz. vol. 197; p. 70.
- Carbureter. A. R. Pribil. No. 1,080,166; Dec. 2; Gaz. vol. 197; p. 87.
- Carbureter. G. J. Mayer. No. 1,080,645; Dec. 9; Gaz. vol. 197; p. 283.
- Carbureter. W. P. Haguelet. No. 1,080,696; Dec. 9; Gaz. vol. 197; p. 301.
- Carbureter. F. Dürr. No. 1,081,222; Dec. 9; Gaz. vol. 197; p. 478.
- Carbureter. J. M. Ulrich and W. Rahr, Jr. No. 1,081,258; Dec. 9; Gaz. vol. 197; p. 491.
- Carbureter. J. W. Parkin. No. 1,082,762; Dec. 30; Gaz. vol. 197; p. 1103.
- Carbureter. N. Goodyear. No. 1,082,865; Dec. 30; Gaz. vol. 197; p. 1138.
- Carbureter attachment. J. O'May. No. 1,083,216; Dec. 30; Gaz. vol. 197; p. 1251.
- Carbureter, Automatic. G. Binon. No. 1,065,912; June 24; Gaz. vol. 191; p. 1036.
- Carbureter for household and other uses. C. H. Myers. No. 1,075,598; Oct. 14; Gaz. vol. 195; p. 376.
- Carbureter for internal-combustion engines. E. W. Stevens. No. 1,057,506; Apr. 1; Gaz. vol. 189; p. 38.
- Carbureter for internal-combustion engines. R. Shipman. No. 1,076,244; Oct. 21; Gaz. vol. 195; p. 623.
- Carbureter for motor-cycles and other purposes. C. H. Myers. No. 1,075,596; Oct. 14; Gaz. vol. 195; p. 375.
- Carbureter for petrol-motors. W. Wingfield. No. 1,052,397; Feb. 4; Gaz. vol. 187; p. 188.
- Carbureter for stationary engines and other purposes. C. H. Myers. No. 1,070,514; Aug. 19; Gaz. vol. 193; p. 562.
- Carbureter heating-coil. W. A. Erkenbrack. No. 1,081,729; Dec. 16; Gaz. vol. 197; p. 684.
- Carbureter, Internal-combustion-engine. E. P. Everest. No. 1,080,815; Dec. 9; Gaz. vol. 197; p. 346.
- Carbureter, Internal-combustion-engine. G. F. Bull. No. 1,081,203; Dec. 9; Gaz. vol. 197; p. 471.
- Carbureter, Internal-combustion-engine. O. D. Lucas. No. 1,082,466; Dec. 23; Gaz. vol. 197; p. 964.
- Carbureter mechanism. M. L. Sammons. No. 1,072,875; Sept. 9; Gaz. vol. 194; p. 444.
- Carbureter-regulating mechanism. J. C. Carpenter. No. 1,076,268; Oct. 21; Gaz. vol. 195; p. 630.
- Carbureter, Steam-supplied. H. A. Babbitt. No. 1,059,967; Apr. 29; Gaz. vol. 189; p. 1039.
- Carbureters, Mixing fuel for. W. H. C. Higgins, Jr. No. 1,077,881; Nov. 4; Gaz. vol. 196; p. 219.
- Carbureters of combustion-engines and more particularly for flying-machine engines, Device for heating the. R. Esnault-Pelterie. No. 1,067,906; July 22; Gaz. vol. 192; p. 787.
- Carbureters, Priming device for. J. L. Fritz. (Reissue.) No. 13,580; June 24; Gaz. vol. 191; p. 1036.
- Carbureters, Shut-off device or valve for. L. A. Essner. No. 1,052,470; Feb. 11; Gaz. vol. 187; p. 247.
- Carbureters, Throttle for. A. C. Stewart. No. 1,064,866; June 17; Gaz. vol. 191; p. 648.
- Carbureting apparatus. R. P. Doudney. No. 1,055,891; Mar. 11; Gaz. vol. 188; p. 451.
- Carbureting apparatus. F. C. Lynde. No. 1,062,981; May 27; Gaz. vol. 190; p. 934.
- Carbureting apparatus. R. B. Wortman. No. 1,064,273; June 10; Gaz. vol. 191; p. 412.
- Carbureting device. J. J. Hawkhurst and E. F. Nicolai. No. 1,078,349; Nov. 11; Gaz. vol. 196; p. 414.
- Carcass-hangers, Locking device for. C. A. Richards. No. 1,072,871; Sept. 9; Gaz. vol. 194; p. 442.
- Card-case. E. O. Loveland. No. 1,073,768; Sept. 23; Gaz. vol. 194; p. 817.
- Card-case. O. W. Tollstam. No. 1,079,960; Dec. 2; Gaz. vol. 197; p. 13.
- Card, Combination code. F. Hoffman. No. 1,070,342; Aug. 12; Gaz. vol. 193; p. 460.
- Card cutting, counting, and packaging machine, Automatic. J. W. Kane and G. C. Bauman. No. 1,078,291; Nov. 11; Gaz. vol. 196; p. 393.
- Card-cutting machine. G. C. Bauman. No. 1,053,966; Feb. 25; Gaz. vol. 187; p. 838.
- Card-cutting machine. Jacquard. W. Cochran. No. 1,069,529; Aug. 5; Gaz. vol. 193; p. 153.
- Card deck, Playing. J. P. Bryan. No. 1,062,952; May 27; Gaz. vol. 190; p. 925.
- Card-delivering device. C. A. Vidinghoff. No. 1,075,173; Oct. 7; Gaz. vol. 195; p. 201.
- Card-exhibiting device. R. R. Whiting. No. 1,062,068; May 20; Gaz. vol. 190; p. 588.
- Card-feeder. W. H. Kepple, S. Anderson, and W. O. Hickok, 3rd. No. 1,058,868; Apr. 15; Gaz. vol. 189; p. 589.
- Card for holding articles having an angular profile. R. Lebenhart. No. 1,075,983; Oct. 14; Gaz. vol. 195; p. 507.
- Card frame or mount. O. C. Schwarz. No. 1,076,161; Oct. 21; Gaz. vol. 195; p. 595.
- Card, Hand. V. J. Bissonnette and A. M. Linn. No. 1,073,842; Sept. 23; Gaz. vol. 194; p. 840.
- Card-holder. J. A. Manson. No. 1,050,742; Jan. 14; Gaz. vol. 186; p. 517.
- Card holder, Home-route. A. F. Hoffman. No. 1,050,831; Jan. 21; Gaz. vol. 186; p. 583.
- Card holder, Price. W. W. Geddes. No. 1,054,192; Feb. 25; Gaz. vol. 187; p. 916.
- Card holder, Title. C. C. Lynch. No. 1,060,990; May 8; Gaz. vol. 190; p. 150.
- Card, Match. C. Campus. No. 1,055,875; Mar. 11; Gaz. vol. 188; p. 447.
- Card or label holder. M. Wiesner. No. 1,065,414; June 24; Gaz. vol. 191; p. 868.
- Card-punching machine. S. B. Tily, J. G. and M. O. Rebuffs. No. 1,061,883; May 13; Gaz. vol. 190; p. 483.
- Card receptacle, Memorandum. W. W. Dow. No. 1,067,901; July 22; Gaz. vol. 192; p. 785.
- Card, Record-keeping. A. A. Carter. No. 1,071,030; Aug. 26; Gaz. vol. 193; p. 766.
- Card-record, Safety. W. L. Vance. No. 1,076,083; Oct. 21; Gaz. vol. 195; p. 568.
- Card-stand, Revolving. J. A. Manson. No. 1,049,886; Jan. 7; Gaz. vol. 186; p. 192.
- Card-support, Adjustable. A. T. Jones. No. 1,071,428; Aug. 26; Gaz. vol. 193; p. 900.
- Card-support for dummy hands. G. F. Wedderburn. No. 1,076,850; Oct. 28; Gaz. vol. 195; p. 891.
- Card, Trick. G. W. Walter. No. 1,061,576; May 13; Gaz. vol. 190; p. 385.
- Card wire, Jacquard. L. S. Cannon. No. 1,072,572; Sept. 9; Gaz. vol. 194; p. 337.
- Cards, Domino or playing. H. Zuydhoek. No. 1,057,206; Mar. 25; Gaz. vol. 188; p. 966.
- Cards for games. A. M. Lockett. No. 1,061,092; May 6; Gaz. vol. 190; p. 182.
- Cards, pictures, and the like, Support for. J. M. Washburn. No. 1,071,836; Sept. 2; Gaz. vol. 194; p. 58.
- Cards, Playing. J. J. Smith. No. 1,057,892; Apr. 1; Gaz. vol. 189; p. 170.
- Cards, Playing. O. D. Lewis. No. 1,062,720; May 27; Gaz. vol. 190; p. 848.
- Cards, Playing. E. J. Whelan. No. 1,064,268; June 10; Gaz. vol. 191; p. 410.
- Cards, Playing. L. A. Ely. No. 1,076,492; Oct. 21; Gaz. vol. 195; p. 711.
- Cards, tokens, and goods, Apparatus for issuing or distributing. F. J. Price. No. 1,053,534; Feb. 18; Gaz. vol. 187; p. 655.
- Cardboard, Chain-machine for the manufacture of corrugated. C. Thiebaut. (Reissue.) No. 13,583; June 24; Gaz. vol. 191; p. 1039.
- Cardboard for packing purposes, Corrugated. C. Thiebaut. No. 1,065,639; June 24; Gaz. vol. 191; p. 943.
- Cardboard structure. C. Beaumont. No. 1,064,124; June 10; Gaz. vol. 191; p. 361.
- Carding articles of merchandise. N. M. Doen. No. 1,072,836; Sept. 9; Gaz. vol. 194; p. 429.
- Carding-engine-feeding mechanism. D. C. Fisher. No. 1,080,205; Dec. 2; Gaz. vol. 197; p. 100.
- Carding-engines, First-combing machine for. T. F. Polret. No. 1,050,751; Jan. 14; Gaz. vol. 186; p. 520.
- Carding-machine. P. Hardman. No. 1,049,475; Jan. 7; Gaz. vol. 186; p. 53.
- Carding-machine. F. J. Mauborgne. No. 1,050,966; Jan. 21; Gaz. vol. 186; p. 632.
- Carding-machine. L. W. Campbell. No. 1,079,392; Nov. 25; Gaz. vol. 196; p. 834.
- Carding-machine. L. W. Campbell. No. 1,079,393; Nov. 25; Gaz. vol. 196; p. 835.
- Carding machine, Fabric-sample. P. Rotter and H. M. Smith. No. 1,062,607; May 27; Gaz. vol. 190; p. 811.

Alphabetical list of inventions—Continued.

- Carding-machines, Dust-remover for. H. Smethurst. No. 1,065,179; June 17; Gaz. vol. 191; p. 748.
- Carline. W. K. Lavis. No. 1,055,766; Mar. 11; Gaz. vol. 188; p. 410.
- Carline. J. M. Ames. No. 1,066,569; July 8; Gaz. vol. 192; p. 261.
- Carnation-holder. J. A. Becvar. No. 1,053,146; Feb. 18; Gaz. vol. 187; p. 522.
- Carousel. H. L. Miller. No. 1,059,895; Apr. 22; Gaz. vol. 189; p. 971.
- Carousel. O. A. Roed. No. 1,065,470; June 24; Gaz. vol. 191; p. 886.
- Carousel. F. B. Whitman and A. D. Roberts. No. 1,068,472; July 29; Gaz. vol. 192; p. 1020.
- Carpenter's gage. H. E. Haukom. No. 1,081,529; Dec. 16; Gaz. vol. 197; p. 622.
- Carpenter's tool. E. H. Len. No. 1,056,917; Mar. 25; Gaz. vol. 188; p. 866.
- Carpet-beater. W. H. McCullough. No. 1,054,129; Feb. 25; Gaz. vol. 187; p. 893.
- Carpet-beater. F. P. Johnson. No. 1,068,776; July 29; Gaz. vol. 192; p. 1125.
- Carpet-beater. E. L. Dennis. No. 1,078,839; Nov. 18; Gaz. vol. 196; p. 615.
- Carpet-cleaner. F. J. Matchette and C. Moukos. No. 1,055,771; Mar. 11; Gaz. vol. 188; p. 412.
- Carpet-cleaner. G. Klumpp. No. 1,063,163; May 27; Gaz. vol. 190; p. 994.
- Carpet-cleaner attachment, Vacuum. A. C. Hougland. No. 1,053,035; Feb. 11; Gaz. vol. 187; p. 438.
- Carpet-cleaner, Pneumatic. L. F. St. Anthony. No. 1,059,645; Apr. 22; Gaz. vol. 189; p. 891.
- Carpet-cleaner, Vacuum. M. Teehan. No. 1,050,498; Jan. 14; Gaz. vol. 186; p. 438.
- Carpet-cleaner, Vacuum. W. H. Hall. No. 1,077,603; Nov. 4; Gaz. vol. 196; p. 125.
- Carpet cleaning and renovating machine. B. Becker and H. Barry. No. 1,077,867; Nov. 4; Gaz. vol. 196; p. 214.
- Carpet-stretcher. T. J. Gibbons. No. 1,072,599; Sept. 9; Gaz. vol. 194; p. 346.
- Carpet-sweeper. E. C. Murdick. No. 1,064,982; June 17; Gaz. vol. 191; p. 686.
- Carpet-sweeper. G. B. Deacon. No. 1,079,694; Nov. 25; Gaz. vol. 196; p. 938.
- Carpet-sweeper. J. M. Spangler. No. 1,081,340; Dec. 16; Gaz. vol. 197; p. 557.
- Carpet-sweeper. J. F. Evert. No. 1,081,375; Dec. 16; Gaz. vol. 197; p. 569.
- Carpet-sweeper and vacuum-cleaner, Combined. E. Cottet. No. 1,051,391; Jan. 28; Gaz. vol. 186; p. 809.
- Carpet-sweeper pump mechanism. J. T. Johnson. No. 1,080,112; Dec. 2; Gaz. vol. 197; p. 68.
- Carpet-sweeper, Suction. J. M. Spangler. No. 1,073,301; Sept. 16; Gaz. vol. 194; p. 632.
- Carpet-sweeper, Vacuum. G. and P. Klumpp. No. 1,066,287; July 1; Gaz. vol. 192; p. 137.
- Carpet to concrete floors, Means for fastening. H. MacLean. No. 1,070,273; Aug. 12; Gaz. vol. 193; p. 436.
- Carpets, furs, and the like, Beating apparatus for. C. M. Kosminski. No. 1,075,042; Oct. 7; Gaz. vol. 195; p. 156.
- Carpets, Manufacture of pile. H. Hardegger. No. 1,069,330; Aug. 5; Gaz. vol. 193; p. 84.
- Carriage, Baby-. C. F. Thayer. No. 1,053,455; Feb. 18; Gaz. vol. 187; p. 628.
- Carriage, Baby-. F. L. Moring, Jr. No. 1,077,422; Nov. 4; Gaz. vol. 196; p. 64.
- Carriage, Child's. W. W. Williams. No. 1,073,379; Sept. 16; Gaz. vol. 194; p. 659.
- Carriage, Child's. J. W. R. Andrews. No. 1,074,583; Sept. 30; Gaz. vol. 194; p. 1116.
- Carriage, Child's folding. C. H. Smith. No. 1,053,325; Feb. 18; Gaz. vol. 187; p. 583.
- Carriage, Child's folding. S. D. Butterworth. No. 1,054,390; Feb. 25; Gaz. vol. 187; p. 983.
- Carriage, Doll-. J. Matushak. No. 1,058,881; Apr. 15; Gaz. vol. 189; p. 594.
- Carriage-door bumper. A. D. Methven. No. 1,072,141; Sept. 2; Gaz. vol. 194; p. 162.
- Carriage, Folding child's. A. T. Wannenwetsch. No. 1,076,087; Oct. 21; Gaz. vol. 195; p. 570.
- Carriage for ropeways and the like. F. Döhle. No. 1,073,410; Sept. 16; Gaz. vol. 194; p. 671.
- Carriage-lock. C. R. Miller. No. 1,065,705; June 24; Gaz. vol. 191; p. 966.
- Carriage-return mechanism. W. Ammerman. No. 1,082,063; Dec. 23; Gaz. vol. 197; p. 828.
- Carriage sled-runner, Baby-. S. W. Fransson. No. 1,068,120; July 22; Gaz. vol. 192; p. 858.
- Carriage-top. J. B. Ambler. No. 1,061,031; May 6; Gaz. vol. 190; p. 164.
- Carriage-top. L. S. Henderson. No. 1,080,147; Dec. 2; Gaz. vol. 197; p. 81.
- Carriage-washing apparatus. J. Weiss. No. 1,050,318; Jan. 14; Gaz. vol. 186; p. 373.
- Carriages, Rocker for baby-. A. Raphael. No. 1,079,265; Nov. 18; Gaz. vol. 196; p. 759.
- Carrier. *See* Automobile number-carrier; Book-carrier; Bottle-carrier; Braider-carrier; Braiding-machine bobbin-carrier; Bundle or package carrier; Can-carrier; Cartridge-carrier; Cuspidor-carrier; Draw-bar carrier; Egg-carrier; Feed and litter carrier; Game-carrier; Gravity-carrier; Hay-carrier; Invalid-carrier; Lamp-carrier; Lantern-carrier; Litter-carrier; Luggage-carrier; Mantle-carrier; Package-carrier; Parcel-carrier; Passenger-carrier; Plow-carrier; Pneumatic carrier; Shade-carrier; Shock-carrier; Stone-dressing-machine carrier; Thread-carrier; Trace-carrier; Tubular carrier; Voting-machine counter-carrier; Water and sloop carrier; Wing-carrier; Yarn-carrier.
- Carrier. M. E. Schmidt and A. J. Fearing. No. 1,054,943; Mar. 4; Gaz. vol. 188; p. 97.
- Carrier. W. D. James. No. 1,055,399; Mar. 11; Gaz. vol. 188; p. 287.
- Carrier. P. Nosek and F. Gorschek. No. 1,069,898; Aug. 12; Gaz. vol. 193; p. 309.
- Carrier. J. L. Riley. No. 1,074,205; Sept. 30; Gaz. vol. 194; p. 992.
- Carrier. F. W. Swift. No. 1,074,992; Oct. 7; Gaz. vol. 195; p. 137.
- Carrier. J. S. Spirewfk, Jr. No. 1,079,373; Nov. 25; Gaz. vol. 196; p. 828.
- Carrier-loader. C. H. Lister and J. Heimer. No. 1,050,478; Jan. 14; Gaz. vol. 186; p. 431.
- Carrier-screen. W. E. Lobdell. No. 1,081,393; Dec. 16; Gaz. vol. 197; p. 575.
- Carrier switch, Gravity-. H. L. Fischer and J. W. Dahlgren. No. 1,071,636; Aug. 26; Gaz. vol. 193; p. 968.
- Carrier system. B. C. Batcheller. No. 1,061,036; May 6; Gaz. vol. 190; p. 166.
- Carrier system. B. C. Batcheller. No. 1,061,214; May 6; Gaz. vol. 190; p. 223.
- Carrier-system transit-tubing. B. C. Batcheller. No. 1,061,035; May 6; Gaz. vol. 190; p. 165.
- Carriers, Device for opening tubular. F. O. Hoagland. No. 1,082,867; Dec. 30; Gaz. vol. 197; p. 1139.
- Carriers, Locking device for. G. A. Amsden. No. 1,071,018; Aug. 26; Gaz. vol. 193; p. 762.
- Carry-iron. C. T. Westlake. No. 1,065,646; June 24; Gaz. vol. 191; p. 946.
- Carry-iron. P. Bateman. No. 1,078,243; Nov. 11; Gaz. vol. 196; p. 375.
- Carry-iron. P. Bateman. No. 1,078,244; Nov. 11; Gaz. vol. 196; p. 375.
- Carry-iron, Car draw-bar. C. L. Bundy and J. J. Acker. No. 1,079,633; Nov. 25; Gaz. vol. 196; p. 917.
- Carrying apparatus, Raising and lowering. J. C. Fitzgerald. No. 1,056,092; Mar. 18; Gaz. vol. 188; p. 553.
- Carrying mechanism. A. Hantsch. No. 1,074,086; Sept. 23; Gaz. vol. 194; p. 923.
- Cart, Collapsible. C. D. Golden. No. 1,066,489; July 8; Gaz. vol. 192; p. 233.
- Cart, Dumping-. J. E. Briggs. No. 1,060,313; Apr. 29; Gaz. vol. 189; p. 1159.
- Cart, Dumping-. E. R. Jones and T. Fitzpatrick. No. 1,071,056; Aug. 26; Gaz. vol. 193; p. 776.
- Cart, Harrow-. F. T. Shipman. No. 1,053,884; Feb. 18; Gaz. vol. 187; p. 772.
- Cart-lifting device, Push-. N. Dupuis. No. 1,082,226; Dec. 23; Gaz. vol. 197; p. 882.
- Cart, Road-. J. Johnson. No. 1,069,703; Aug. 12; Gaz. vol. 193; p. 241.
- Cart, Street-cleaning. T. B. Mason. No. 1,079,785; Nov. 25; Gaz. vol. 196; p. 973.
- Carton. P. S. Bauer. No. 1,070,939; Aug. 19; Gaz. vol. 193; p. 702.
- Carton. A. B. Carey. No. 1,079,394; Nov. 25; Gaz. vol. 196; p. 835.
- Carton. H. De Smith. No. 1,081,724; Dec. 16; Gaz. vol. 197; p. 683.
- Carton, Combined shipping and display. W. A. V. Porter. No. 1,055,651; Mar. 11; Gaz. vol. 188; p. 370.
- Carton, Dry. A. Taylor. No. 1,050,706; Jan. 14; Gaz. vol. 186; p. 505.
- Carton-feeding machine. R. S. Clarke. No. 1,068,323; July 22; Gaz. vol. 192; p. 930.
- Carton-filler. M. T. Ash. No. 1,075,534; Oct. 14; Gaz. vol. 195; p. 353.
- Carton, Folding. F. Keiller. No. 1,070,692; Aug. 19; Gaz. vol. 193; p. 622.
- Carton folding and stitching machine. R. H. Brown. No. 1,076,015; Oct. 21; Gaz. vol. 195; p. 546.
- Carton for display of merchandise. H. L. Bloomberg. No. 1,064,813; June 17; Gaz. vol. 191; p. 630.
- Cartons and the like, Means for opening. O. C. Schulz. No. 1,080,932; Dec. 9; Gaz. vol. 197; p. 385.
- Cartons, Automatic device for receiving and discharging. W. L. Montgomery. No. 1,077,092; Oct. 28; Gaz. vol. 195; p. 975.
- Cartridge. R. G. Clyne. No. 1,060,817; May 6; Gaz. vol. 190; p. 87.
- Cartridge. R. G. Clyne. No. 1,060,818; May 6; Gaz. vol. 190; p. 87.
- Cartridge. J. D. Pedersen. No. 1,066,525; July 8; Gaz. vol. 192; p. 245.

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- Cartridge. J. H. Wesson. No. 1,079,083; Nov. 18; Gaz. vol. 196; p. 699.
- Cartridge. J. D. Pedersen. No. 1,081,983; Dec. 23; Gaz. vol. 197; p. 799.
- Cartridge-belt. V. H. Jennings. No. 1,049,723; Jan. 7; Gaz. vol. 186; p. 138.
- Cartridge-belt for machine-guns. W. Wolf. No. 1,067,857; July 22; Gaz. vol. 192; p. 771.
- Cartridge-carrier. P. D. McClintock. No. 1,078,450; Nov. 11; Gaz. vol. 196; p. 449.
- Cartridge-cases, Machine for cannelluring, trimming, and gaging. H. D. Hodge. No. 1,079,706; Nov. 25; Gaz. vol. 196; p. 942.
- Cartridge for mining purposes, Lime. H. L. Storey and J. Parkinson. No. 1,065,261; June 17; Gaz. vol. 191; p. 777.
- Cartridge, Fuse-. F. J. Farrari. No. 1,054,965; Mar. 4; Gaz. vol. 188; p. 105.
- Cartridge-fuse, Electric. G. W. Frazier. No. 1,067,648; July 15; Gaz. vol. 192; p. 667.
- Cartridge, Gun-operating. J. D. Pedersen. No. 1,062,604; May 27; Gaz. vol. 190; p. 810.
- Cartridge-holder. W. W. Uren. No. 1,073,721; Sept. 23; Gaz. vol. 194; p. 802.
- Cartridge-loading machine. H. M. Pierce. No. 1,082,137; Dec. 23; Gaz. vol. 197; p. 852.
- Cartridge-making machine. H. D. Hodge. No. 1,073,127; Sept. 16; Gaz. vol. 194; p. 570.
- Cartridge, Paper-shell. C. H. Stevenson. No. 1,057,591; Apr. 1; Gaz. vol. 189; p. 66.
- Cartridge, Refillable fuse-. G. W. Appler. No. 1,052,202; Feb. 4; Gaz. vol. 187; p. 124.
- Cartridge-shell-making machine. C. A. Bailey. No. 1,065,333; June 24; Gaz. vol. 191; p. 839.
- Cartridge-shell-making machine. C. A. Bailey. No. 1,066,980; July 8; Gaz. vol. 192; p. 402.
- Cartridge, Shot-. E. M. Sweeley. No. 1,073,940; Sept. 23; Gaz. vol. 194; p. 875.
- Cartridges, Combined base-cup and primer-pocket for. T. H. Rylands. No. 1,082,975; Dec. 30; Gaz. vol. 197; p. 1176.
- Cartridges for guns, Means for altering the charges in. K. Völler and E. Müller. No. 1,074,995; Oct. 7; Gaz. vol. 195; p. 138.
- Carving-machine. M. F. Tunes. No. 1,073,547; Sept. 16; Gaz. vol. 194; p. 715.
- Case: See Artist's case; Burial-case; Card-case; Cigarette-case; Clothes-case; Comb-case; Credential-carrying case; Display-case; Dress-suit case; Dressing-case; Egg-case; Egg-shipping case; Eyeglass-case; File-case; Filing-case; Fireproof filing-case; Folding case; Gear-case; Hat-case; Honey-shipping case; Index-case; Letter-case; Mailing and shipping case; Map-case; Miner's emergency-case; Necktie-case; Note-case; Packing-case; Packing and shipping case; Packing-box case; Pencil-case; Postal-card case; Powder-case; Sample-case; Sample-carrying case; Sectional case; Shipping-case; Show-case; Spectacle-case; Suitcase; Syringe-case; Toilet-case; Type-case.
- Case. N. J. Marsh. No. 1,051,607; Jan. 28; Gaz. vol. 186; p. 883.
- Case. F. W. Goerdes. No. 1,065,898; June 24; Gaz. vol. 191; p. 1031.
- Case-hardening, &c. A. W. Machlet. No. 1,072,134; Sept. 2; Gaz. vol. 194; p. 159.
- Case-hardening material. H. Rodman. No. 1,076,235; Oct. 21; Gaz. vol. 195; p. 620.
- Case-hardening material, Making. H. Rodman. No. 1,076,453; Oct. 21; Gaz. vol. 195; p. 698.
- Case-lock. E. S. Royer. No. 1,050,394; Jan. 14; Gaz. vol. 186; p. 399.
- Case-making machine. W. S. Vetter. No. 1,078,527; Nov. 11; Gaz. vol. 196; p. 473.
- Casement-adjuster. H. F. Rich. No. 1,057,774; Apr. 1; Gaz. vol. 189; p. 129.
- Casing. M. Guett. No. 1,064,724; June 17; Gaz. vol. 191; p. 602.
- Casing-cover and locking mechanism therefor. A. Campbell. No. 1,067,717; July 15; Gaz. vol. 192; p. 690.
- Casing-elevator. S. A. Guiberson, Jr. No. 1,073,750; Sept. 23; Gaz. vol. 194; p. 811.
- Casing-elevator. S. A. Guiberson, Jr. No. 1,073,751; Sept. 23; Gaz. vol. 194; p. 811.
- Casing-spear. E. L. Mills. No. 1,054,232; Feb. 25; Gaz. vol. 187; p. 930.
- Casing, Spring-. O. Lampe. No. 1,080,567; Dec. 9; Gaz. vol. 197; p. 257.
- Casein preparations, Producing. A. A. Dunham. No. 1,080,204; Dec. 2; Gaz. vol. 197; p. 100.
- Cash and autographic register. J. A. Werner. No. 1,051,474; Jan. 28; Gaz. vol. 186; p. 837.
- Cash-box. S. Thomas. No. 1,061,145; May 6; Gaz. vol. 190; p. 201.
- Cash-box. B. C. Stimmel. No. 1,064,024; June 10; Gaz. vol. 191; p. 327.
- Cash-controlling apparatus, Electrical. A. Godefroid. No. 1,068,760; July 29; Gaz. vol. 192; p. 1119.
- Cash-register. C. Palmer. No. 1,049,760; Jan. 7; Gaz. vol. 186; p. 150.
- Cash-register. W. H. Muzzy. No. 1,051,436; Jan. 28; Gaz. vol. 186; p. 824.
- Cash-register. W. M. McCarthy. No. 1,051,904; Feb. 4; Gaz. vol. 187; p. 19.
- Cash-register. T. Carroll. No. 1,054,672; Mar. 4; Gaz. vol. 188; p. 7.
- Cash-register. W. H. Muzzy. No. 1,055,415; Mar. 11; Gaz. vol. 188; p. 292.
- Cash-register. F. Kronenberger. No. 1,056,556; Mar. 18; Gaz. vol. 188; p. 713.
- Cash-register. S. B. Tily, M. O. and J. G. Rehfuß. No. 1,058,645; Apr. 8; Gaz. vol. 189; p. 471.
- Cash-register. W. G. Chambers. No. 1,062,767; May 27; Gaz. vol. 190; p. 863.
- Cash-register. E. Sinner. No. 1,068,012; July 22; Gaz. vol. 192; p. 822.
- Cash-register. J. H. McCormick. No. 1,071,768; Sept. 2; Gaz. vol. 194; p. 34.
- Cash-register. E. J. von Pein. No. 1,071,788; Sept. 2; Gaz. vol. 194; p. 42.
- Cash-register. C. Palmer. No. 1,072,769; Sept. 9; Gaz. vol. 194; p. 404.
- Cash-register. E. J. von Pein. No. 1,073,704; Sept. 23; Gaz. vol. 194; p. 795.
- Cash-register. R. T. Piscicelli. (Reissue.) No. 13,632; Oct. 21; Gaz. vol. 195; p. 786.
- Cash-register. H. S. Hallwood. No. 1,078,920; Nov. 18; Gaz. vol. 196; p. 642.
- Cash-register. E. E. Patten. No. 1,079,360; Nov. 25; Gaz. vol. 196; p. 822.
- Cash-register. J. P. Cleal. No. 1,080,001; Dec. 2; Gaz. vol. 197; p. 29.
- Cash-register. E. E. Patten. No. 1,080,162; Dec. 2; Gaz. vol. 197; p. 85.
- Cash-register. J. H. McCormick. No. 1,080,646; Dec. 9; Gaz. vol. 197; p. 283.
- Cash-register. T. M. Sibbald. No. 1,083,035; Dec. 30; Gaz. vol. 197; p. 1195.
- Cash-register attachment. J. G. Willich. No. 1,081,478; Dec. 16; Gaz. vol. 197; p. 603.
- Cash-register money-separator. B. F. Blake. No. 1,049,982; Jan. 7; Gaz. vol. 186; p. 224.
- Cash-register, Multiple. J. A. Werner and C. W. Green. No. 1,074,676; Oct. 7; Gaz. vol. 195; p. 31.
- Cash-register with a single set of keys. R. T. Piscicelli. No. 1,061,924; May 13; Gaz. vol. 190; p. 498.
- Cash-registers, Account attachment for. B. B. Wells. No. 1,052,778; Feb. 11; Gaz. vol. 187; p. 350.
- Cash-registers, Annunciating means for. G. F. W. Schultze. No. 1,075,443; Oct. 14; Gaz. vol. 195; p. 323.
- Cash-registers, Electrical announcing attachment for. T. J. Sullivan. No. 1,053,116; Feb. 11; Gaz. vol. 187; p. 468.
- Cash-registers, Registering device of. E. Janik. No. 1,059,162; Apr. 15; Gaz. vol. 189; p. 690.
- Cashier, Mechanical. E. S. Church. (Reissue.) No. 13,629; Oct. 21; Gaz. vol. 195; p. 771.
- Cask-filling device. G. Engelhard. No. 1,054,912; Mar. 4; Gaz. vol. 188; p. 88.
- Cask, Metal. J. A. Steinmetz. No. 1,060,035; Apr. 29; Gaz. vol. 189; p. 1063.
- Casket, Burial-. F. D. Gardner. No. 1,053,907; Feb. 18; Gaz. vol. 187; p. 781.
- Casket, Burial-. J. H. Yancey. No. 1,054,072; Feb. 25; Gaz. vol. 187; p. 874.
- Casket, Burial-. G. Goodrich. No. 1,054,289; Feb. 25; Gaz. vol. 187; p. 947.
- Casket, Burial-. L. H. Montross. No. 1,059,747; Apr. 22; Gaz. vol. 189; p. 924.
- Casket, Burial-. L. H. and F. L. Montross. No. 1,063,718; June 3; Gaz. vol. 191; p. 191.
- Casket, Burial-. L. W. Bentley. No. 1,065,579; June 24; Gaz. vol. 191; p. 924.
- Casket, Burial-. P. C. Simmons. No. 1,072,182; Sept. 2; Gaz. vol. 194; p. 175.
- Casket, Burial-. L. T. Bow and D. B. Vernon. No. 1,075,086; Oct. 7; Gaz. vol. 195; p. 171.
- Casket-cover-fastening device. J. J. McNeerney. No. 1,061,552; May 13; Gaz. vol. 190; p. 376.
- Casket-handle. E. R. Sargent. No. 1,064,778; June 17; Gaz. vol. 191; p. 620.
- Casket-lowering device. G. S. Mewhirter. No. 1,070,508; Aug. 19; Gaz. vol. 193; p. 560.
- Casket-top. H. A. Wise. No. 1,060,654; May 6; Gaz. vol. 190; p. 30.
- Caskets, Bouquet-holder for burial-. J. F. Warner. No. 1,052,109; Feb. 4; Gaz. vol. 187; p. 92.
- Cast end frame. G. W. Scott. No. 1,078,312; Nov. 11; Gaz. vol. 196; p. 401.
- Cast-iron, Removing sulfur from. W. F. Prince. No. 1,081,403; Dec. 16; Gaz. vol. 197; p. 578.
- Cast-off. G. E. Prentice. No. 1,053,643; Feb. 18; Gaz. vol. 187; p. 692.
- Casting and compression machine, Ingot. L. E. Howard. No. 1,056,101; Mar. 18; Gaz. vol. 188; p. 556.
- Casting apparatus. F. L. Mark. No. 1,055,343; Mar. 11; Gaz. vol. 188; p. 268.
- Casting apparatus. E. C. Wills. No. 1,064,949; June 17; Gaz. vol. 191; p. 675.

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- Casting apparatus. W. H. Connell. No. 1,074,250; Sept. 30; Gaz. vol. 194; p. 1006.
- Casting apparatus, Metal. G. A. Howe. No. 1,058,059; Apr. 8; Gaz. vol. 189; p. 270.
- Casting apparatus, Metal. A. A. King. No. 1,072,738; Sept. 9; Gaz. vol. 194; p. 394.
- Casting, Composition for constructing molds, cores, and the like for use in. J. W. Bainbridge. No. 1,049,799; Jan. 7; Gaz. vol. 186; p. 164.
- Casting explosive charges. E. Sokolowski. No. 1,054,049; Feb. 25; Gaz. vol. 187; p. 867.
- Casting hollow bodies, Metal core for use in. W. Kurze. No. 1,059,620; Apr. 22; Gaz. vol. 189; p. 883.
- Casting, Hood panel. A. W. L. Hartbauer. No. 1,078,278; Nov. 11; Gaz. vol. 196; p. 387.
- Casting ingots. J. R. Hoyle and A. W. Brearley. No. 1,073,988; Sept. 23; Gaz. vol. 194; p. 891.
- Casting-machine. F. N. Cline. No. 1,057,528; Apr. 1; Gaz. vol. 189; p. 45.
- Casting-machine. W. W. McCarter. No. 1,072,480; Sept. 9; Gaz. vol. 194; p. 305.
- Casting machine, Die. L. M. Parkhurst. No. 1,053,132; Feb. 11; Gaz. vol. 187; p. 473.
- Casting machine, Die. L. M. Parkhurst. No. 1,054,789; Mar. 4; Gaz. vol. 188; p. 47.
- Casting machine, Die. L. M. Parkhurst. No. 1,056,442; Mar. 18; Gaz. vol. 188; p. 673.
- Casting machine, Disk. E. Castañeda. No. 1,052,651; Feb. 11; Gaz. vol. 187; p. 308.
- Casting-machine mold, Slug. H. A. W. Wood. No. 1,082,059; Dec. 23; Gaz. vol. 197; p. 826.
- Casting printing-bars, Mold-carrier of machines for. H. Degener. No. 1,075,141; Oct. 7; Gaz. vol. 195; p. 190.
- Casting tread-surfaces. H. P. Macdonald. No. 1,057,069; Mar. 25; Gaz. vol. 188; p. 919.
- Castings, Apparatus for making. D. Maxwell. No. 1,062,289; May 20; Gaz. vol. 190; p. 664.
- Castings, Apparatus for making. D. Maxwell. No. 1,062,290; May 20; Gaz. vol. 190; p. 664.
- Castings, Apparatus for making. H. P. Marshall. No. 1,065,326; June 17; Gaz. vol. 191; p. 799.
- Castings, Apparatus for treating. D. Maxwell. No. 1,062,288; May 20; Gaz. vol. 190; p. 664.
- Castings, Finishing. A. R. and F. S. Welch. No. 1,058,210; Apr. 8; Gaz. vol. 189; p. 324.
- Castings, Making. D. Maxwell. No. 1,062,287; May 20; Gaz. vol. 190; p. 663.
- Castings, Making sound. F. D. Carney and L. B. Lindemuth. No. 1,073,735; Sept. 23; Gaz. vol. 194; p. 806.
- Castings, Metallic core or reinforce for. H. Schuppener. No. 1,065,733; June 24; Gaz. vol. 191; p. 975.
- Castings, Method of and apparatus for making steel. A. B. Moyer. No. 1,053,854; Feb. 18; Gaz. vol. 187; p. 762.
- Castings, Mold for making metal. T. D. West. No. 1,056,961; Mar. 25; Gaz. vol. 188; p. 882.
- Caster. A. and R. Deutschman. No. 1,050,352; Jan. 14; Gaz. vol. 186; p. 385.
- Caster. T. G. Dade. No. 1,051,697; Jan. 28; Gaz. vol. 186; p. 912.
- Caster. A. B. Diss. No. 1,051,705; Jan. 28; Gaz. vol. 186; p. 915.
- Caster. A. B. Diss. No. 1,051,706; Jan. 28; Gaz. vol. 186; p. 915.
- Caster. J. C. Blevney. No. 1,052,454; Feb. 11; Gaz. vol. 187; p. 242.
- Caster. J. Zikmund. No. 1,058,837; Apr. 15; Gaz. vol. 189; p. 578.
- Caster. J. W. Hilfrank. No. 1,061,912; May 13; Gaz. vol. 190; p. 493.
- Caster. A. B. Diss. No. 1,062,897; May 27; Gaz. vol. 190; p. 907.
- Caster. O. Rison. No. 1,066,754; July 8; Gaz. vol. 192; p. 328.
- Caster. M. F. Hill. No. 1,070,960; Aug. 19; Gaz. vol. 193; p. 708.
- Caster. A. Ballenberg. No. 1,075,536; Oct. 14; Gaz. vol. 195; p. 354.
- Caster attachment. J. E. McCombs. No. 1,068,258; July 22; Gaz. vol. 192; p. 908.
- Caster, Ball. H. L. Algermissen. No. 1,053,895; Feb. 18; Gaz. vol. 187; p. 776.
- Caster, Ball. J. B. Glowacki. No. 1,060,076; Apr. 29; Gaz. vol. 189; p. 1076.
- Caster, Ball. S. W. Bennett. No. 1,075,685; Oct. 14; Gaz. vol. 195; p. 405.
- Caster, Ball. F. W. Morgan. No. 1,082,968; Dec. 30; Gaz. vol. 197; p. 1174.
- Caster, Bed. W. J. Pierce. No. 1,063,727; June 3; Gaz. vol. 191; p. 194.
- Caster, Disappearing. K. H. Neugebauer. No. 1,064,244; June 10; Gaz. vol. 191; p. 402.
- Caster, Furniture. A. B. Diss. No. 1,072,210; Sept. 2; Gaz. vol. 194; p. 184.
- Caster, Furniture. L. A. Climer. No. 1,076,954; Oct. 28; Gaz. vol. 195; p. 929.
- Caster-holder. E. Katzinger. No. 1,064,340; June 10; Gaz. vol. 191; p. 434.
- Caster, Leg-lifting. W. J. Stafford. No. 1,051,026; Jan. 21; Gaz. vol. 186; p. 653.
- Caster, Leveling. J. A. Davidson. No. 1,068,485; July 29; Gaz. vol. 192; p. 1024.
- Caster-wheel, Tractor. G. D. Munsing. No. 1,079,604; Nov. 25; Gaz. vol. 196; p. 909.
- Casters, &c., Track for. R. Verbeke. No. 1,065,989; July 1; Gaz. vol. 192; p. 30.
- Catafalque. E. F. Watkins. No. 1,075,077; Oct. 7; Gaz. vol. 195; p. 169.
- Cataloguing-chart. R. H. Welles. No. 1,058,690; Apr. 8; Gaz. vol. 189; p. 488.
- Catalytic material, Making. C. Ellis. No. 1,078,541; Nov. 11; Gaz. vol. 196; p. 478.
- Catalytic substances in a minutely-divided state, Preparation of. H. Kast. No. 1,070,138; Aug. 12; Gaz. vol. 193; p. 391.
- Catamenial appliance. O. Czarán. No. 1,052,218; Feb. 4; Gaz. vol. 187; p. 130.
- Catamenial device. A. I. Jordan. No. 1,064,836; June 17; Gaz. vol. 191; p. 638.
- Catamenial sack. M. E. Siebert. No. 1,053,069; Feb. 11; Gaz. vol. 187; p. 451.
- Catamenial sack. W. G. Robey. No. 1,054,619; Feb. 25; Gaz. vol. 187; p. 1060.
- Catch for portfolios, &c. W. A. Lotz. No. 1,052,676; Feb. 11; Gaz. vol. 187; p. 317.
- Catch-lock. O. J. Sundgaard. No. 1,076,796; Oct. 28; Gaz. vol. 195; p. 872.
- Catch, Safety. H. H. Hedges. No. 1,059,991; Apr. 29; Gaz. vol. 189; p. 1048.
- Catch, Safety. R. A. Lee. No. 1,062,284; May 20; Gaz. vol. 190; p. 662.
- Catheter. C. W. Bell. No. 1,060,665; May 6; Gaz. vol. 190; p. 34.
- Cattle-fastener. P. Schuppli. No. 1,077,647; Nov. 4; Gaz. vol. 196; p. 140.
- Cattle-guard. B. Estes. No. 1,049,468; Jan. 7; Gaz. vol. 186; p. 50.
- Cattle-guard. R. D. Coleman. No. 1,051,197; Jan. 21; Gaz. vol. 186; p. 710.
- Cattle-guard. C. L. Moe. No. 1,052,265; Feb. 4; Gaz. vol. 187; p. 145.
- Cattle-guard. R. B. Walker. No. 1,052,864; Feb. 11; Gaz. vol. 187; p. 380.
- Cattle-guard. M. P. Rainey. No. 1,059,393; Apr. 22; Gaz. vol. 189; p. 806.
- Cattle-guard. R. H. F. Sewall. No. 1,060,713; May 6; Gaz. vol. 190; p. 52.
- Cattle-guard. P. Decoteau. No. 1,069,116; Aug. 5; Gaz. vol. 193; p. 9.
- Cattle-guard. L. W. Carden. No. 1,070,112; Aug. 12; Gaz. vol. 193; p. 382.
- Cattle-guard. V. E. Dennis. No. 1,071,146; Aug. 26; Gaz. vol. 193; p. 805.
- Cattle-guard. F. D. Hagan. No. 1,076,420; Oct. 21; Gaz. vol. 195; p. 686.
- Cattle-guard. G. N. Solomon. No. 1,081,871; Dec. 16; Gaz. vol. 197; p. 734.
- Cattle-guard for roadways. J. A. Stephenson and S. J. Billington. No. 1,055,097; Mar. 4; Gaz. vol. 188; p. 151.
- Cattle nose-guard. G. W. Benage. No. 1,051,064; Jan. 21; Gaz. vol. 186; p. 666.
- Ceiling-block connector. L. F. Hopfer. No. 1,056,679; Mar. 18; Gaz. vol. 188; p. 754.
- Celery-wrapping machine. M. W. Earl. No. 1,071,899; Sept. 2; Gaz. vol. 194; p. 80.
- Cell-case machine. A. W. D. Weis. No. 1,059,325; Apr. 15; Gaz. vol. 189; p. 746.
- Cellar-drainer, Automatic. A. R. Pribil. No. 1,063,468; June 3; Gaz. vol. 191; p. 100.
- Cellulose-acetate manufacture. F. Paschke. No. 1,082,167; Dec. 23; Gaz. vol. 197; p. 861.
- Cellulose and its products of transformation, Acetylating. A. Loose. No. 1,069,445; Aug. 5; Gaz. vol. 193; p. 125.
- Cellulose composition. G. Koller. No. 1,079,773; Nov. 25; Gaz. vol. 196; p. 968.
- Cellulose compound and making same, Non-inflammable. W. G. Lindsay. No. 1,050,065; Jan. 7; Gaz. vol. 186; p. 254.
- Cellulose compound and making same, Non-inflammable. W. G. Lindsay. No. 1,067,785; July 15; Gaz. vol. 192; p. 713.
- Cellulose esters, Articles composed of. H. S. Mork. No. 1,074,092; Sept. 23; Gaz. vol. 194; p. 925.
- Cellulose esters of fatty acids, Manufacture of. B. R. Seifert and F. Todtenhaupt. No. 1,051,165; Jan. 21; Gaz. vol. 186; p. 701.
- Cellulose esters, Treating. H. S. Mork. No. 1,061,771; May 13; Gaz. vol. 190; p. 449.
- Cellulose formations, Producing. R. Linkmeyer. No. 1,062,106; May 20; Gaz. vol. 190; p. 602.
- Cellulose from vegetable substances, Obtaining. J. H. Fair. No. 1,053,125; Feb. 11; Gaz. vol. 187; p. 471.
- Cellulose from wood, wood-chips, straw, reed, &c., Manufacture of. J. E. Pfiel. No. 1,058,898; Apr. 15; Gaz. vol. 189; p. 600.
- Cellulose lye, Purifying sulfite. M. Platsch. No. 1,054,141; Feb. 25; Gaz. vol. 187; p. 897.
- Cellulose, Making. B. Loomis. No. 1,052,675; Feb. 11; Gaz. vol. 187; p. 316.

Alphabetical list of inventions—Continued.

- Cellulose plates and films, Hopper for producing. J. E. Brandenberger. No. 1,049,658; Jan. 7; Gaz. vol. 186; p. 117.
- Cellulose, Preparation of concentrated solutions of. A. Chaumat. No. 1,062,222; May 20; Gaz. vol. 190; p. 642.
- Cellulose solutions and production of cellulose products from such solutions, Preparing. E. Berl. No. 1,082,490; Dec. 30; Gaz. vol. 197; p. 1006.
- Cellulose solutions, Manufacture of. W. Traube. No. 1,064,260; June 10; Gaz. vol. 191; p. 408.
- Cellulose solutions, Production of viscous. E. Bronnert. No. 1,055,513; Mar. 11; Gaz. vol. 188; p. 325.
- Cement and making same, Water-resistant. C. Ellis. No. 1,076,028; Oct. 21; Gaz. vol. 195; p. 550.
- Cement and making the same. E. Duryee. No. 1,082,684; Dec. 30; Gaz. vol. 197; p. 1075.
- Cement and making, Waterproof. R. Schuler. No. 1,081,155; Dec. 9; Gaz. vol. 197; p. 456.
- Cement-block machine. E. A. Switzer. No. 1,077,376; Nov. 4; Gaz. vol. 196; p. 47.
- Cement-block-making machine. J. D. Matthews. No. 1,049,505; Jan. 7; Gaz. vol. 186; p. 62.
- Cement-block mold. J. C. Searls. No. 1,063,293; June 3; Gaz. vol. 191; p. 42.
- Cement-block-molding machine. H. M. Phillips and N. Folkedal. No. 1,052,688; Feb. 11; Gaz. vol. 187; p. 320.
- Cement blocks, Forming. C. Westergard. No. 1,063,899; June 3; Gaz. vol. 191; p. 249.
- Cement-burning apparatus. J. W. Dreisbach, S. E. Flexer, and E. A. Stagle. No. 1,071,303; Aug. 26; Gaz. vol. 193; p. 858.
- Cement-burning kiln. T. A. Edison. No. 1,065,597; June 24; Gaz. vol. 191; p. 930.
- Cement clinker, Rotary cooler for. A. Schüffer. No. 1,049,610; Jan. 7; Gaz. vol. 186; p. 101.
- Cement-finishing tool. M. Dervoz. No. 1,064,133; June 10; Gaz. vol. 191; p. 365.
- Cement for pipe connections, &c. J. W. Aylsworth. No. 1,065,495; June 24; Gaz. vol. 191; p. 895.
- Cement-kiln, Rotary. S. M. Seddon. No. 1,062,259; May 20; Gaz. vol. 190; p. 654.
- Cement, Manufacture of Portland. T. A. Edison. No. 1,059,661; Apr. 22; Gaz. vol. 189; p. 896.
- Cement-mixing machine. L. A. Davis. No. 1,072,318; Sept. 2; Gaz. vol. 194; p. 218.
- Cement pole, Reinforced. W. S. Morris. No. 1,078,548; Nov. 11; Gaz. vol. 196; p. 481.
- Cement-post mold. D. R. Hobbs. No. 1,069,421; Aug. 5; Gaz. vol. 193; p. 117.
- Cement-producing apparatus. H. Passow. No. 1,051,627; Jan. 28; Gaz. vol. 186; p. 889.
- Cement-producing apparatus. H. Passow. No. 1,051,844; Jan. 28; Gaz. vol. 186; p. 960.
- Cement, Production of Portland. J. W. Richards and W. S. Landis. No. 1,073,820; Sept. 23; Gaz. vol. 194; p. 833.
- Cement-shingle machine. J. D. Hoffman. No. 1,076,765; Oct. 28; Gaz. vol. 195; p. 860.
- Cement-shingle structure. E. M. Walton. No. 1,077,321; Nov. 4; Gaz. vol. 196; p. 28.
- Cement tie including a rail-fastener. P. Kraft. No. 1,061,187; May 6; Gaz. vol. 190; p. 214.
- Cement tie with metal rail-fastenings. L. H. Lucabaugh. No. 1,065,313; June 17; Gaz. vol. 191; p. 794.
- Cement-wall mold. H. Melcher. No. 1,063,819; June 3; Gaz. vol. 191; p. 224.
- Cementation-furnace. F. Giolitti. No. 1,064,898; June 17; Gaz. vol. 191; p. 657.
- Cementing-machine. W. G. Eaton. No. 1,080,959; Dec. 9; Gaz. vol. 197; p. 393.
- Cementing the walls of a hole. W. B. Wigle. No. 1,057,789; Apr. 1; Gaz. vol. 189; p. 134.
- Center-indicating device. J. G. Anthony. No. 1,058,027; Apr. 8; Gaz. vol. 189; p. 259.
- Center pin and bearings therefor. A. L. Jacobs. No. 1,053,819; Feb. 18; Gaz. vol. 187; p. 752.
- Centerhead, level, and bevel-protractor, Combination. P. E. Ekman. No. 1,063,342; June 3; Gaz. vol. 191; p. 59.
- Centering device. V. Willoughby. No. 1,052,780; Feb. 11; Gaz. vol. 187; p. 350.
- Centering device. G. W. Needham. No. 1,067,877; July 22; Gaz. vol. 192; p. 777.
- Centering device. V. E. Sisson. No. 1,080,723; Dec. 9; Gaz. vol. 197; p. 310.
- Centering device. V. E. Sisson. No. 1,080,724; Dec. 9; Gaz. vol. 197; p. 310.
- Centering-tool. W. F. Haddock. No. 1,076,979; Oct. 28; Gaz. vol. 195; p. 937.
- Centrifugal bowls, Central feed-pipe for. S. Wennberg. No. 1,064,579; June 10; Gaz. vol. 191; p. 517.
- Centrifugal drier. J. T. Psarski. No. 1,071,956; Sept. 2; Gaz. vol. 194; p. 97.
- Centrifugal drier. J. V. Kranebiel. No. 1,080,700; Dec. 9; Gaz. vol. 197; p. 302.
- Centrifugal machine. R. E. Le Blanc, P. P. Landry, and S. G. Poché. No. 1,057,856; Apr. 1; Gaz. vol. 189; p. 159.
- Centrifugal machine. J. Taylor and B. Rodek. No. 1,067,887; July 22; Gaz. vol. 192; p. 781.
- Centrifugal machine, Continuous-operating. O. Mantius. No. 1,055,643; Mar. 11; Gaz. vol. 188; p. 367.
- Centrifugal-machine driving mechanism. W. J. Wayte. No. 1,061,343; May 13; Gaz. vol. 190; p. 302.
- Centrifugal screen and classifier. C. Bartholomai. No. 1,078,819; Nov. 18; Gaz. vol. 196; p. 608.
- Centrifugal separation. H. De Raasloff and T. E. Brown. No. 1,050,622; Jan. 14; Gaz. vol. 186; p. 479.
- Centrifugal separation. H. De Raasloff and T. E. Brown. No. 1,050,720; Jan. 14; Gaz. vol. 186; p. 509.
- Centrifugal separator. H. C. Groves. No. 1,057,237; Mar. 25; Gaz. vol. 188; p. 978.
- Centrifugal separator. J. J. Berrigan. No. 1,062,215; May 20; Gaz. vol. 190; p. 639.
- Centrifugal separator. G. F. Fowler. No. 1,069,058; July 29; Gaz. vol. 192; p. 1222.
- Centrifugal separator and amalgamator. D. B. Cave. No. 1,053,785; Feb. 18; Gaz. vol. 187; p. 741.
- Ceramic objects, Manufacture of porous. M. Grünzweig. No. 1,068,762; July 29; Gaz. vol. 192; p. 1120.
- Cereal and preparing same, Flaked. O. M. Graves. No. 1,060,449; Apr. 29; Gaz. vol. 189; p. 1206.
- Certificate. C. B. F. Lincoln. No. 1,072,341; Sept. 2; Gaz. vol. 194; p. 226.
- Chafe-iron. A. G. Snyder. No. 1,050,867; Jan. 21; Gaz. vol. 186; p. 597.
- Chaffing-screen. D. T. Bodle. No. 1,068,302; July 22; Gaz. vol. 192; p. 923.
- Chain. J. I. Colley. No. 1,058,038; Apr. 8; Gaz. vol. 189; p. 263.
- Chain. C. A. Prindle. No. 1,058,260; Apr. 8; Gaz. vol. 189; p. 341.
- Chain. W. J. Schweiger. No. 1,058,797; Apr. 15; Gaz. vol. 189; p. 562.
- Chain. J. C. Howe. No. 1,059,297; Apr. 15; Gaz. vol. 189; p. 737.
- Chain. J. M. Dodge. No. 1,067,166; July 8; Gaz. vol. 192; p. 466.
- Chain. W. B. Lashar. No. 1,074,632; Oct. 7; Gaz. vol. 195; p. 16.
- Chain, Bead. W. W. Bradley. No. 1,051,384; Jan. 28; Gaz. vol. 186; p. 807.
- Chain, Bead. W. J. Gagnon. No. 1,078,494; Nov. 11; Gaz. vol. 196; p. 463.
- Chain, bracelet, and the like lock, Neck. E. Schönnemann and J. Räuchle. No. 1,082,140; Dec. 23; Gaz. vol. 197; p. 853.
- Chain-clamp. A. V. O'Neal. No. 1,069,573; Aug. 5; Gaz. vol. 193; p. 167.
- Chain construction. J. R. Smith. No. 1,059,913; Apr. 22; Gaz. vol. 189; p. 977.
- Chain-coupling, Self-locking. M. Tobin. No. 1,065,564; June 24; Gaz. vol. 191; p. 918.
- Chain drill. G. O. Leopold. No. 1,060,467; Apr. 29; Gaz. vol. 189; p. 1212.
- Chain, Drive. G. G. and L. C. Howe. No. 1,082,332; Dec. 23; Gaz. vol. 197; p. 922.
- Chain-fastener. R. Holman. No. 1,051,230; Jan. 21; Gaz. vol. 186; p. 721.
- Chain-fastening. V. K. Blomstrom. No. 1,059,520; Apr. 22; Gaz. vol. 189; p. 850.
- Chain-link. F. J. Glowth. No. 1,051,881; Feb. 4; Gaz. vol. 187; p. 11.
- Chain-link. W. P. Allen. No. 1,063,493; June 3; Gaz. vol. 191; p. 109.
- Chain-link. J. M. Dodge. No. 1,069,536; Aug. 5; Gaz. vol. 193; p. 155.
- Chain-link. S. Rosenberg. No. 1,069,581; Aug. 5; Gaz. vol. 193; p. 169.
- Chain-link-forming machine. C. L. Hoff and M. O. Reh-fuss. No. 1,056,175; Mar. 18; Gaz. vol. 188; p. 582.
- Chain-link, Fusible. E. R. Leonard. No. 1,083,019; Dec. 30; Gaz. vol. 197; p. 1190.
- Chain links, Drive. J. M. Dodge. No. 1,063,245; June 3; Gaz. vol. 191; p. 27.
- Chain-lock. C. A. McCarthy. No. 1,082,813; Dec. 30; Gaz. vol. 197; p. 1120.
- Chain-lock, Variable. H. F. Richter. No. 1,069,646; Aug. 5; Gaz. vol. 193; p. 191.
- Chain, Lumber-binding. F. J. Miller. No. 1,053,054; Feb. 11; Gaz. vol. 187; p. 445.
- Chain-making apparatus. A. Hamm and K. Dürr. No. 1,053,726; Feb. 18; Gaz. vol. 187; p. 723.
- Chain-making machine. F. Speidel. No. 1,054,466; Feb. 25; Gaz. vol. 187; p. 1009.
- Chain-making machine. L. E. McKinnon. No. 1,064,080; June 10; Gaz. vol. 191; p. 346.
- Chain-post. L. A. Corneliuss. No. 1,054,829; Mar. 4; Gaz. vol. 188; p. 61.
- Chain, Soldered rope. S. R. Hurley. No. 1,055,751; Mar. 11; Gaz. vol. 188; p. 404.
- Chain-swivels, Manufacture of. G. Bischoff. No. 1,073,841; Sept. 23; Gaz. vol. 194; p. 840.
- Chain tightener and lock. A. J. Newton. No. 1,068,524; July 29; Gaz. vol. 192; p. 1037.
- Chain-tool. F. A. Strong. No. 1,069,041; July 29; Gaz. vol. 192; p. 1217.

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- Chain wrench. A. J. Whitfield. No. 1,064,036; June 10; Gaz. vol. 191; p. 331.
- Chains, Coupling-link for antikick. E. S. Holmes, Jr. No. 1,050,061; Jan. 7; Gaz. vol. 186; p. 252.
- Chains, Coupling member for. F. W. Covert. No. 1,060,744; May 6; Gaz. vol. 190; p. 62.
- Chains, Manufacture of. G. C. McGlashan and D. Williams. No. 1,050,370; Jan. 14; Gaz. vol. 186; p. 391.
- Chains, Manufacturing unwelded. S. K. v. Ecseghy. No. 1,070,121; Aug. 12; Gaz. vol. 193; p. 384.
- Chains of beads, balls, and the like. Work-holder for machines for striking. J. Sochor. No. 1,052,852; Feb. 11; Gaz. vol. 187; p. 376.
- Chair: See Adjustable chair; Automobile folding chair; Barber's chair; Beach-chair; Bed-chair; Folding chair; High chair; Joint-chair; Lawn-chair; Non-vibration chair; Nursery-chair; Pedestal-chair; Rail-chair; Rail-joint chair; Railway-rail chair; Reclining-chair; Rolling chair; Studio-chair; Wheeled chair; Window-chair.
- Chair. M. L. Keller. No. 1,049,730; Jan. 7; Gaz. vol. 186; p. 140.
- Chair. J. Kohn. No. 1,054,125; Feb. 25; Gaz. vol. 187; p. 892.
- Chair. S. O. Frantz. No. 1,056,328; Mar. 18; Gaz. vol. 188; p. 633.
- Chair. A. D. Goetz. No. 1,057,722; Apr. 1; Gaz. vol. 189; p. 112.
- Chair. F. C. Hall. No. 1,058,300; Apr. 8; Gaz. vol. 189; p. 355.
- Chair. W. E. Seelye. No. 1,061,875; May 13; Gaz. vol. 190; p. 481.
- Chair. A. E. Jacobson. No. 1,062,010; May 20; Gaz. vol. 190; p. 569.
- Chair. C. J. Travers. No. 1,065,908; June 24; Gaz. vol. 191; p. 1035.
- Chair. W. M. Bailey. No. 1,067,961; July 22; Gaz. vol. 192; p. 805.
- Chair. R. L. Woods. No. 1,069,216; Aug. 5; Gaz. vol. 193; p. 45.
- Chair. I. G. Pollard. No. 1,074,012; Sept. 23; Gaz. vol. 194; p. 899.
- Chair. A. G. Eyles. No. 1,075,636; Oct. 14; Gaz. vol. 195; p. 390.
- Chair. C. A. Van Derveer. No. 1,078,810; Nov. 18; Gaz. vol. 196; p. 605.
- Chair. J. Lewis. No. 1,083,215; Dec. 30; Gaz. vol. 197; p. 1251.
- Chair and mirror, Combined. L. Zachara. No. 1,071,599; Aug. 26; Gaz. vol. 193; p. 956.
- Chair-arm, Advertising. W. P. Le Furge. No. 1,066,292; July 1; Gaz. vol. 192; p. 139.
- Chair attachment. A. Lindner. No. 1,056,284; Mar. 18; Gaz. vol. 188; p. 619.
- Chair attachment. K. C. Hurlbut. No. 1,056,337; Mar. 18; Gaz. vol. 188; p. 636.
- Chair attachment, Barber's. B. H. Smith. No. 1,061,334; May 13; Gaz. vol. 190; p. 299.
- Chair attachment, High. K. F. Conley. No. 1,050,205; Jan. 14; Gaz. vol. 186; p. 334.
- Chair attachment, Opera. J. A. Nordgrén. No. 1,060,934; May 6; Gaz. vol. 190; p. 128.
- Chair attachment, Rocking. G. F. Giasson. No. 1,067,914; July 22; Gaz. vol. 192; p. 789.
- Chair attachment, Rocking. J. C. Ryan. No. 1,072,995; Sept. 9; Gaz. vol. 194; p. 489.
- Chair, crib, and baby-walker, Combination high. V. Ziolkowski. No. 1,064,041; June 10; Gaz. vol. 191; p. 332.
- Chair fan attachment, Rocking. S. Stéh. No. 1,058,918; Apr. 15; Gaz. vol. 189; p. 607.
- Chair head-rest, Barber's. H. E. Campbell. No. 1,078,828; Nov. 18; Gaz. vol. 196; p. 611.
- Chair, Reversible-seat. R. Libenscek. No. 1,055,337; Mar. 11; Gaz. vol. 188; p. 266.
- Chair-seat. W. D. Schmits. No. 1,075,500; Oct. 14; Gaz. vol. 195; p. 342.
- Chair-seat frame. F. Beaudry. No. 1,060,664; May 6; Gaz. vol. 190; p. 34.
- Chairs, Attachment for head-rests of barbers' or other. L. G. Salmon. No. 1,062,931; May 27; Gaz. vol. 190; p. 918.
- Chairs, Automatic fan for rocking. R. A. Lohse. No. 1,060,105; Apr. 29; Gaz. vol. 189; p. 1085.
- Chalice, Hygienic communion. C. J. Ljunggren. No. 1,067,183; July 8; Gaz. vol. 192; p. 471.
- Chalk-holder. S. McGowan and L. Line. No. 1,072,247; Sept. 2; Gaz. vol. 194; p. 196.
- Chamber attachment. M. E. Horr. No. 1,076,886; Oct. 28; Gaz. vol. 195; p. 904.
- Chamfering-howel. C. F. Close. No. 1,063,120; May 27; Gaz. vol. 190; p. 980.
- Chandelier. W. Adams. No. 1,052,992; Feb. 11; Gaz. vol. 187; p. 424.
- Chandelier. R. R. Leslie and W. H. Hollopeter. No. 1,056,806; Mar. 25; Gaz. vol. 188; p. 828.
- Chandelier. W. Adams. No. 1,080,092; Dec. 2; Gaz. vol. 197; p. 60.
- Chandelier. W. Adams. No. 1,080,093; Dec. 2; Gaz. vol. 197; p. 61.
- Chandelier attachment, Electric. H. Leik. No. 1,072,625; Sept. 9; Gaz. vol. 194; p. 355.
- Chandelier, Electric. S. Trood. No. 1,062,619; May 27; Gaz. vol. 190; p. 816.
- Chandelier-support. H. C. Ramsberger. No. 1,052,959; Feb. 11; Gaz. vol. 187; p. 414.
- Change-giving apparatus, Device for coupling the coin-ejectors in. S. Chiger. No. 1,078,331; Nov. 11; Gaz. vol. 196; p. 407.
- Change-giving apparatus, Subtracting device for. S. Chiger. No. 1,078,085; Nov. 11; Gaz. vol. 196; p. 321.
- Change-maker. B. P. Hayes and A. H. Steele. No. 1,069,008; July 29; Gaz. vol. 192; p. 1205.
- Change-making machine. E. W. Russell. No. 1,070,920; Aug. 19; Gaz. vol. 193; p. 696.
- Changeable indicator. J. Hutchinson. No. 1,067,248; July 15; Gaz. vol. 192; p. 529.
- Changeable indicator. J. Hutchinson. No. 1,067,249; July 15; Gaz. vol. 192; p. 530.
- Changeable indicator. J. Hutchinson. No. 1,067,250; July 15; Gaz. vol. 192; p. 530.
- Changeable indicator. J. Hutchinson. No. 1,067,251; July 15; Gaz. vol. 192; p. 531.
- Changeable indicator. J. Hutchinson. No. 1,067,252; July 15; Gaz. vol. 192; p. 531.
- Channel-opening machine. F. M. Trainer. No. 1,075,876; Oct. 14; Gaz. vol. 195; p. 470.
- Channels in streams, Apparatus for deepening. S. Bonner. No. 1,082,147; Dec. 23; Gaz. vol. 197; p. 854.
- Channeling-machine. F. E. Bertrand. No. 1,054,388; Feb. 25; Gaz. vol. 187; p. 982.
- Channeling-machine. H. H. Mercer. No. 1,079,919; Nov. 25; Gaz. vol. 196; p. 1018.
- Channeling-machine. F. L. Harmon. No. 1,082,631; Dec. 30; Gaz. vol. 197; p. 1057.
- Chaplet. G. L. Waitt. No. 1,050,259; Jan. 14; Gaz. vol. 186; p. 352.
- Char-distributor. W. E. Murray. No. 1,065,960; July 1; Gaz. vol. 192; p. 20.
- Char-drying kiln. R. S. Kent. No. 1,058,369; Apr. 8; Gaz. vol. 189; p. 380.
- Charring and finishing plane articles, Machine for. A. W. Groves. No. 1,055,271; Mar. 4; Gaz. vol. 188; p. 205.
- Charging apparatus. H. J. Rowe. No. 1,076,706; Oct. 28; Gaz. vol. 195; p. 840.
- Characters, Machine for producing. T. M. Lilleberg. No. 1,063,363; June 3; Gaz. vol. 191; p. 65.
- Chart. N. C. Gray. No. 1,058,859; Apr. 15; Gaz. vol. 189; p. 585.
- Chart for cutting garments. T. La Maida. No. 1,068,143; July 22; Gaz. vol. 192; p. 867.
- Chart, Meter-reading. B. O. Hutchison. No. 1,075,256; Oct. 7; Gaz. vol. 195; p. 230.
- Chart, Saloon-stock-recording. C. C. Rush. No. 1,073,364; Sept. 16; Gaz. vol. 194; p. 654.
- Chase. W. Evensen. No. 1,062,902; May 27; Gaz. vol. 190; p. 908.
- Chase-lock. A. H. Wadewitz. No. 1,078,954; Nov. 11; Gaz. vol. 196; p. 496.
- Chase-lock, Platen-press. A. S. Foreman. No. 1,078,137; Nov. 11; Gaz. vol. 196; p. 339.
- Chases. J. J. Walser. No. 1,068,468; July 29; Gaz. vol. 192; p. 1019.
- Chases. P. F. Cox. No. 1,072,092; Sept. 2; Gaz. vol. 194; p. 144.
- Chasing-stop. W. Schellenbach. No. 1,067,139; July 8; Gaz. vol. 192; p. 456.
- Chatelaine-brooch or the like. T. A. Tobiasson. No. 1,075,131; Oct. 7; Gaz. vol. 195; p. 187.
- Check attaching and display clip. G. H. Posson. No. 1,060,120; Apr. 29; Gaz. vol. 189; p. 1090.
- Check-controlled device. C. H. Simerson. No. 1,081,782; Dec. 16; Gaz. vol. 197; p. 703.
- Check-controlled machine. A. W. Lines. No. 1,070,901; Aug. 19; Gaz. vol. 193; p. 689.
- Check-disk-issuing machine. E. March. No. 1,079,943; Dec. 2; Gaz. vol. 197; p. 7.
- Check, Excess-baggage. G. J. Singleton. No. 1,075,505; Oct. 14; Gaz. vol. 195; p. 344.
- Check-holder, Manifolding. E. F. Coates. No. 1,075,090; Oct. 7; Gaz. vol. 195; p. 173.
- Check-issuing machine. E. T. Middlemiss. No. 1,073,272; Sept. 16; Gaz. vol. 194; p. 622.
- Check-lock. S. Stewart. No. 1,065,403; June 24; Gaz. vol. 191; p. 863.
- Check, Manifolding salesman's. E. Z. Lewis. No. 1,061,301; May 13; Gaz. vol. 190; p. 288.
- Check or draft cutter, Safety. A. E. Deason. No. 1,069,534; Aug. 5; Gaz. vol. 193; p. 154.
- Check overflow-fitting. E. D. Case. No. 1,058,033; Apr. 8; Gaz. vol. 189; p. 261.
- Check-protector. G. H. Pembroke. No. 1,075,221; Oct. 7; Gaz. vol. 195; p. 218.
- Check-protector. L. M. Todd and C. G. Tiefel. No. 1,076,173; Oct. 21; Gaz. vol. 195; p. 599.
- Check-protector and postage-stamp holder, Combined. C. J. Callahan and E. F. Chandler. No. 1,063,413; June 3; Gaz. vol. 191; p. 82.

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- Check-protector, Electrically-controlled. L. M. Todd and C. G. Tiefel. No. 1,062,748; May 27; Gaz. vol. 190; p. 856.
- Check, Safety-. J. P. Adams. No. 1,079,282; Nov. 18; Gaz. vol. 196; p. 765.
- Check, Voucher-. W. D. Myres. No. 1,082,702; Dec. 30; Gaz. vol. 197; p. 1082.
- Check, Waiter's. E. A. Hawk. No. 1,075,648; Oct. 14; Gaz. vol. 195; p. 393.
- Checks or tickets, Holder for conductors'. A. B. Fitch. No. 1,060,072; Apr. 29; Gaz. vol. 189; p. 1075.
- Checking and recording receipts and the like, Apparatus for. J. B. Thorn. No. 1,076,531; Oct. 21; Gaz. vol. 195; p. 725.
- Checkrein fastener or holder. J. S. Cusson. No. 1,079,639; Nov. 25; Gaz. vol. 196; p. 919.
- Checkrein, Harness-. W. E. Ion. No. 1,066,279; July 1; Gaz. vol. 192; p. 134.
- Checkrein-lock. C. L. Taylor. No. 1,083,155; Dec. 30; Gaz. vol. 197; p. 1233.
- Cheese-cutter. H. F. Dunn. No. 1,052,904; Feb. 11; Gaz. vol. 187; p. 395.
- Cheese-cutter. I. E. Lee. No. 1,060,771; May 6; Gaz. vol. 190; p. 71.
- Cheese-hoop follower. W. F. Luecke. No. 1,051,848; Jan. 28; Gaz. vol. 186; p. 962.
- Cheese, Package of Camembert. I. Massé. No. 1,054,433; Feb. 25; Gaz. vol. 187; p. 999.
- Cheese pressing hoop and shipping box, Combined. N. and N. Simon, Jr. No. 1,061,929; May 13; Gaz. vol. 190; p. 500.
- Chemical apparatus. J. O. Halverson. No. 1,072,330; Sept. 2; Gaz. vol. 194; p. 222.
- Chemical-feed device. R. Hilscher. No. 1,063,971; June 10; Gaz. vol. 191; p. 308.
- Chemical-feeder. J. H. Cooper. No. 1,075,022; Oct. 7; Gaz. vol. 195; p. 149.
- Chemical process. A. Hoffman. No. 1,082,424; Dec. 23; Gaz. vol. 197; p. 951.
- Chenille trimming, Apparatus for making. L. Goodman. No. 1,065,235; June 17; Gaz. vol. 191; p. 768.
- Cherry-stemming machine. F. R. Smith. No. 1,076,794; Oct. 28; Gaz. vol. 195; p. 871.
- Chest: *See* Cooling-chest.
- Chest expansion and lung capacity, Device for indicating and announcing. A. R. Gibson. No. 1,055,267; Mar. 4; Gaz. vol. 188; p. 204.
- Chilean mill, Slow-speed. C. C. Lane. No. 1,082,960; Dec. 30; Gaz. vol. 197; p. 1171.
- Chimney. E. Banzhaf. No. 1,078,983; Nov. 18; Gaz. vol. 196; p. 663.
- Chimney attachment. F. W. Ferguson. No. 1,070,426; Aug. 19; Gaz. vol. 193; p. 534.
- Chimney-cap. A. W. Swender. No. 1,060,512; Apr. 29; Gaz. vol. 189; p. 1228.
- Chimney-cap. J. E. McCall. No. 1,068,257; July 22; Gaz. vol. 192; p. 908.
- Chimney-cleaner. L. Moeller. No. 1,081,280; Dec. 9; Gaz. vol. 197; p. 499.
- Chimney-cleaning device. E. Welsh and R. Hughes. No. 1,066,688; July 8; Gaz. vol. 192; p. 304.
- Chimney-flue. J. D. Ayres. No. 1,060,415; Apr. 29; Gaz. vol. 189; p. 1197.
- Chimney-flue cleaner. F. Bedford and A. Durand. No. 1,070,662; Aug. 19; Gaz. vol. 193; p. 612.
- Chimney-flue reverser. S. S. Covert. No. 1,074,252; Sept. 30; Gaz. vol. 194; p. 1007.
- Chimney-protector. J. H. Wood. No. 1,072,199; Sept. 2; Gaz. vol. 194; p. 181.
- Chimney-sweep, Automatic. L. R. Morris. No. 1,075,593; Oct. 14; Gaz. vol. 195; p. 373.
- Chimney-sweeping apparatus. O. and O. Lätzsch. No. 1,054,924; Mar. 4; Gaz. vol. 188; p. 92.
- Chimney, ventilator, and the like. T. Pattison. No. 1,071,951; Sept. 2; Gaz. vol. 194; p. 96.
- Chin-support, Sanitary. T. E. Kirkpatrick. No. 1,051,896; Feb. 4; Gaz. vol. 187; p. 17.
- Chinaware-decorating device. H. M. Peterson. No. 1,060,022; Apr. 29; Gaz. vol. 189; p. 1059.
- Chiropactic table. A. A. Griffin. No. 1,051,221; Jan. 21; Gaz. vol. 186; p. 718.
- Chiropactic table. F. M. Naysmith. No. 1,079,795; Nov. 25; Gaz. vol. 196; p. 976.
- Chisel. C. W. Thompson and F. A. Grearson. No. 1,065,407; June 24; Gaz. vol. 191; p. 865.
- Chisel. O. A. West. No. 1,082,379; Dec. 23; Gaz. vol. 197; p. 938.
- Chisel, Bush-. E. M. Tobin. No. 1,066,064; July 1; Gaz. vol. 192; p. 56.
- Chisel, Butt-. A. Stone. No. 1,051,778; Jan. 28; Gaz. vol. 186; p. 937.
- Chisel-gage. A. J. Howell. No. 1,054,774; Mar. 4; Gaz. vol. 188; p. 42.
- Chisel-gage. D. McNeil. No. 1,076,900; Oct. 28; Gaz. vol. 195; p. 909.
- Chisel, Stone-cutting. H. Dehl. No. 1,063,018; May 27; Gaz. vol. 190; p. 946.
- Chloroform, Purifying. V. C. Best. No. 1,066,877; July 8; Gaz. vol. 192; p. 367.
- Chocolate dipping table and cooler, Combined. J. Haupt. No. 1,053,033; Feb. 11; Gaz. vol. 187; p. 437.
- Chocolate-manufacturing apparatus. O. Thurmann. No. 1,076,924; Oct. 28; Gaz. vol. 195; p. 917.
- Chopper: *See* Cotton-chopper; Food-chopper.
- Chopping-machine. L. J. Monahan. No. 1,058,080; Apr. 8; Gaz. vol. 189; p. 279.
- Chuck. G. K. Atkinson. No. 1,049,973; Jan. 7; Gaz. vol. 186; p. 221.
- Chuck. P. L. Robertson. No. 1,052,091; Feb. 4; Gaz. vol. 187; p. 85.
- Chuck. B. Cock. No. 1,062,223; May 20; Gaz. vol. 190; p. 642.
- Chuck. C. F. Ream. No. 1,063,215; June 3; Gaz. vol. 191; p. 16.
- Chuck. J. A. Leland. No. 1,063,702; June 3; Gaz. vol. 191; p. 186.
- Chuck. F. P. Gates. No. 1,063,916; June 3; Gaz. vol. 191; p. 256.
- Chuck. F. P. Gates. No. 1,063,917; June 3; Gaz. vol. 191; p. 256.
- Chuck. G. R. Rich. No. 1,065,274; June 17; Gaz. vol. 191; p. 780.
- Chuck. O. Ebert. No. 1,067,902; July 22; Gaz. vol. 192; p. 785.
- Chuck. K. V. Jensen. No. 1,069,430; Aug. 5; Gaz. vol. 193; p. 120.
- Chuck. R. A. Merrill. No. 1,071,940; Sept. 2; Gaz. vol. 194; p. 93.
- Chuck. F. P. Miller. No. 1,072,142; Sept. 2; Gaz. vol. 194; p. 162.
- Chuck. V. J. Wahlstrom. No. 1,075,174; Oct. 7; Gaz. vol. 195; p. 201.
- Chuck. H. E. Helms. No. 1,075,353; Oct. 14; Gaz. vol. 195; p. 291.
- Chuck. W. L. Bryant. No. 1,075,756; Oct. 14; Gaz. vol. 195; p. 429.
- Chuck. J. Hartness. No. 1,077,470; Nov. 4; Gaz. vol. 196; p. 82.
- Chuck. H. B. Shreve. No. 1,079,520; Nov. 25; Gaz. vol. 196; p. 877.
- Chuck. C. C. Hansen. No. 1,079,646; Nov. 25; Gaz. vol. 196; p. 921.
- Chuck. F. L. Smith and T. B. Williams. No. 1,081,727; Dec. 9; Gaz. vol. 197; p. 311.
- Chuck. J. Hartness. No. 1,082,590; Dec. 30; Gaz. vol. 197; p. 1042.
- Chuck, Automatic. D. W. Wood. No. 1,081,183; Dec. 9; Gaz. vol. 197; p. 465.
- Chuck, Automatic centering-. E. H. Mead. No. 1,056,435; Mar. 18; Gaz. vol. 188; p. 671.
- Chuck, Combination-. A. Niedhammer. No. 1,052,087; Feb. 4; Gaz. vol. 187; p. 84.
- Chuck, Drill-. A. A. North. No. 1,053,530; Feb. 18; Gaz. vol. 187; p. 654.
- Chuck, Drill-. I. F. Lindberg. No. 1,054,126; Feb. 25; Gaz. vol. 187; p. 892.
- Chuck, Drill-. F. Wiard. No. 1,056,076; Mar. 18; Gaz. vol. 188; p. 549.
- Chuck, Drill-. A. E. Church. No. 1,061,934; May 13; Gaz. vol. 190; p. 502.
- Chuck, Drill-. E. H. Monaghan. No. 1,068,263; July 22; Gaz. vol. 192; p. 910.
- Chuck, Drill-. T. Dechnik. No. 1,075,699; Oct. 14; Gaz. vol. 195; p. 409.
- Chuck, Eccentric. F. A. Wennerstrom. No. 1,056,476; Mar. 18; Gaz. vol. 188; p. 684.
- Chuck, Fluid-actuated lathe-. H. M. Ludwick. No. 1,075,715; Oct. 14; Gaz. vol. 195; p. 414.
- Chuck for centering and holding gears. G. W. Sponable. No. 1,056,954; Mar. 25; Gaz. vol. 188; p. 880.
- Chuck for lathes or boring-mills, Side-gripping. A. H. Ream. No. 1,064,539; June 10; Gaz. vol. 191; p. 503.
- Chuck for planing-machines. C. L. Deckard. No. 1,071,215; Aug. 26; Gaz. vol. 193; p. 830.
- Chuck for reamers, &c. O. Fredrickson. No. 1,066,199; July 1; Gaz. vol. 192; p. 106.
- Chuck for rock-drilling machines. R. P. Windsor and C. H. Boehler. No. 1,057,605; Apr. 1; Gaz. vol. 189; p. 72.
- Chuck, Hat-. J. H. Chenoweth. No. 1,060,667; May 6; Gaz. vol. 190; p. 35.
- Chuck-jaws, Gripping-surface of. G. B. Taylor. No. 1,059,234; Apr. 15; Gaz. vol. 189; p. 715.
- Chuck, Magnetic. L. S. Downes and A. W. Faxon. No. 1,079,546; Nov. 25; Gaz. vol. 196; p. 886.
- Chuck, Magnetic. R. C. Patton. No. 1,081,462; Dec. 16; Gaz. vol. 197; p. 598.
- Chuck, Power-operated. W. L. Miller. No. 1,074,280; Sept. 30; Gaz. vol. 194; p. 1016.
- Chuck, Rock-drill. C. A. Hultquist. No. 1,062,651; May 27; Gaz. vol. 190; p. 826.
- Chuck, Rock-drill. J. C. H. Vaught. No. 1,068,612; July 29; Gaz. vol. 192; p. 1068.
- Chuck, Threading-. H. Diffo. No. 1,068,227; July 22; Gaz. vol. 192; p. 896.
- Chuck, Water-feed drill-. R. S. Carter. No. 1,071,203; Aug. 26; Gaz. vol. 193; p. 824.
- Churn. J. H. Hamilton. No. 1,051,222; Jan. 21; Gaz. vol. 186; p. 718.

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- Churn. W. J. Brown. No. 1,051,375; Jan. 21; Gaz. vol. 186; p. 770.
- Churn. A. Clerk. No. 1,051,684; Jan. 28; Gaz. vol. 186; p. 907.
- Churn. W. A. Flint, J. B. McDonald, and D. H. Crabbs. No. 1,052,230; Feb. 4; Gaz. vol. 187; p. 133.
- Churn. D. M. Harrison. No. 1,053,386; Feb. 18; Gaz. vol. 187; p. 604.
- Churn. C. E. and C. W. Burdeaux. No. 1,054,086; Feb. 25; Gaz. vol. 187; p. 878.
- Churn. H. E. Brown. No. 1,055,383; Mar. 11; Gaz. vol. 188; p. 282.
- Churn. A. J. Malone. No. 1,055,481; Mar. 11; Gaz. vol. 188; p. 315.
- Churn. C. S. Berghmark. No. 1,055,601; Mar. 11; Gaz. vol. 188; p. 353.
- Churn. E. L. Collins. No. 1,056,778; Mar. 25; Gaz. vol. 188; p. 819.
- Churn. W. P. Sibley. No. 1,058,109; Apr. 8; Gaz. vol. 189; p. 289.
- Churn. J. F. Burns. No. 1,061,220; May 6; Gaz. vol. 190; p. 225.
- Churn. B. J. Reid. No. 1,062,254; May 20; Gaz. vol. 190; p. 653.
- Churn. C. Hoefler, Jr., M. L., Jr., and W. R. Belt. No. 1,062,709; May 27; Gaz. vol. 190; p. 844.
- Churn. J. B. Hollingsworth. No. 1,065,806; June 24; Gaz. vol. 191; p. 999.
- Churn. C. B. Seward. No. 1,066,665; July 8; Gaz. vol. 192; p. 295.
- Churn. E. Myers. No. 1,069,571; Aug. 5; Gaz. vol. 193; p. 166.
- Churn. W. F. Lockwood and W. H. York. No. 1,070,147; Aug. 12; Gaz. vol. 193; p. 394.
- Churn. L. Z. Preston. No. 1,070,728; Aug. 19; Gaz. vol. 193; p. 633.
- Churn. A. C. Willis. No. 1,072,801; Sept. 9; Gaz. vol. 194; p. 416.
- Churn. W. F. Barbee. No. 1,075,892; Oct. 14; Gaz. vol. 195; p. 475.
- Churn. B. O'Hara. No. 1,077,547; Nov. 4; Gaz. vol. 196; p. 107.
- Churn. T. S. Rigdon. No. 1,079,723; Nov. 25; Gaz. vol. 196; p. 949.
- Churn. J. W. Barr. No. 1,080,040; Dec. 2; Gaz. vol. 197; p. 43.
- Churn. T. H. Gaines. No. 1,082,513; Dec. 30; Gaz. vol. 197; p. 1014.
- Churn. T. L. Thompson. No. 1,083,158; Dec. 30; Gaz. vol. 197; p. 1233.
- Churn. Aerating. W. S. H. Wailes. No. 1,054,807; Mar. 4; Gaz. vol. 188; p. 54.
- Churn and butter-worker, Combined. F. J. Macnish. No. 1,051,902; Feb. 4; Gaz. vol. 187; p. 19.
- Churn and butter-worker, Combined. R. B. Disbrow. No. 1,052,899; Feb. 11; Gaz. vol. 187; p. 392.
- Churn and washer, Combined. J. D. Elder and P. Laffoon. No. 1,060,896; May 6; Gaz. vol. 190; p. 115.
- Churn, Barrel-. J. E. and T. G. Taylor. No. 1,070,078; Aug. 12; Gaz. vol. 193; p. 368.
- Churn, Butter-. J. Morgan. No. 1,069,492; Aug. 5; Gaz. vol. 193; p. 141.
- Churn-cover. J. E. McHenry. No. 1,059,947; Apr. 22; Gaz. vol. 189; p. 989.
- Churn cover clamp and dasher rod, Combined. W. W. Yearta. No. 1,052,549; Feb. 11; Gaz. vol. 187; p. 273.
- Churn-dasher. B. Bellman. No. 1,061,723; May 13; Gaz. vol. 190; p. 436.
- Churn-dasher. E. L. Wood. No. 1,064,040; June 10; Gaz. vol. 191; p. 332.
- Churn, Sanitary. C. De Forest. No. 1,077,456; Nov. 4; Gaz. vol. 196; p. 76.
- Churning-machine. W. Loyd. No. 1,050,961; Jan. 21; Gaz. vol. 186; p. 630.
- Chute, Ash-. I. Blount. No. 1,055,311; Mar. 11; Gaz. vol. 188; p. 257.
- Chute, Coal-. F. H. Dudley. No. 1,049,464; Jan. 7; Gaz. vol. 186; p. 50.
- Chute, Conveyer-. O. H. Briggs. No. 1,064,815; June 17; Gaz. vol. 191; p. 631.
- Chute, Dust-. W. H. A. R. Wedemeyer. No. 1,079,529; Nov. 25; Gaz. vol. 196; p. 881.
- Chute for coal-pockets, Traveling. W. N. White. No. 1,061,151; May 6; Gaz. vol. 190; p. 202.
- Chute, Grain-. C. L. Neiswanger. No. 1,050,933; Jan. 21; Gaz. vol. 186; p. 638.
- Chute, Self-locking fuel-. A. H. Hobbs. No. 1,083,014; Dec. 30; Gaz. vol. 197; p. 1189.
- Chute, Spaceband-. U. Piagneri. No. 1,064,247; June 10; Gaz. vol. 191; p. 403.
- Chute, Tilting car-unloading. F. R. Pomeroy. No. 1,066,450; July 1; Gaz. vol. 192; p. 189.
- Chute, Unloading-. F. R. Pomeroy. No. 1,053,869; Feb. 18; Gaz. vol. 187; p. 768.
- Cigar and cigarette holder. J. Hauenstein, Jr. No. 1,080,552; Dec. 9; Gaz. vol. 197; p. 253.
- Cigar-band. W. Intemann. No. 1,059,997; Apr. 29; Gaz. vol. 189; p. 1050.
- Cigar-box and humidor, Combined. L. Brenauer. No. 1,082,399; Dec. 23; Gaz. vol. 197; p. 944.
- Cigar-box, Collapsible. H. Leiman. No. 1,053,836; Feb. 18; Gaz. vol. 187; p. 757.
- Cigar-box humidor. J. A. Simpson. No. 1,075,867; Oct. 14; Gaz. vol. 195; p. 466.
- Cigar-bunch-making apparatus. S. I. Prescott. No. 1,051,005; Jan. 21; Gaz. vol. 186; p. 646.
- Cigar-clipper. E. Bright. No. 1,049,445; Jan. 7; Gaz. vol. 186; p. 44.
- Cigar-cutter. C. H. Patten. No. 1,058,809; Apr. 15; Gaz. vol. 189; p. 635.
- Cigar-cutter. C. P. Cabrera. No. 1,059,827; Apr. 22; Gaz. vol. 189; p. 950.
- Cigar-cutter. S. Woods. No. 1,067,390; July 15; Gaz. vol. 192; p. 579.
- Cigar-cutter. J. H. Astruck. No. 1,082,257; Dec. 23; Gaz. vol. 197; p. 895.
- Cigar cutter and lighter, Combined. C. Baumbach. No. 1,068,300; July 22; Gaz. vol. 192; p. 922.
- Cigar cutter and lighter, Combined. G. H. Schroeter. No. 1,079,027; Nov. 18; Gaz. vol. 196; p. 681.
- Cigar-cutting machine. T. E. Fearon. No. 1,067,327; July 15; Gaz. vol. 192; p. 559.
- Cigar-display holder. E. Brunhoff. No. 1,076,097; Oct. 21; Gaz. vol. 195; p. 574.
- Cigar-end cutter. J. A. Fuller. No. 1,061,236; May 6; Gaz. vol. 190; p. 231.
- Cigar-fillers, Means for making. F. Zahn. No. 1,060,876; May 6; Gaz. vol. 190; p. 108.
- Cigar-head protector. G. S. Mahn. No. 1,054,781; Mar. 4; Gaz. vol. 188; p. 44.
- Cigar-holder. J. J. Zarker. No. 1,073,457; Sept. 16; Gaz. vol. 194; p. 687.
- Cigar-holder. M. S. Cole. No. 1,081,889; Dec. 16; Gaz. vol. 197; p. 739.
- Cigar holder and mouthpiece, Concealed. J. O. Smith. No. 1,061,696; May 13; Gaz. vol. 190; p. 427.
- Cigar-holder, Invisible. D. D. Getman. No. 1,067,515; July 15; Gaz. vol. 192; p. 621.
- Cigar-lighter. W. Ude. No. 1,056,236; Mar. 18; Gaz. vol. 188; p. 604.
- Cigar-lighter. W. Heym. No. 1,061,074; May 6; Gaz. vol. 190; p. 177.
- Cigar-lighter. P. Neukirchen. No. 1,064,986; June 17; Gaz. vol. 191; p. 687.
- Cigar-lighter. C. S. Drake. No. 1,065,434; June 24; Gaz. vol. 191; p. 874.
- Cigar-lighter. O. G. Klugel. No. 1,076,583; Oct. 21; Gaz. vol. 195; p. 743.
- Cigar lighter and cutter. A. Gray. No. 1,075,098; Oct. 7; Gaz. vol. 195; p. 175.
- Cigar-lighter and pencil-point protector, Combined. F. McIntyre. No. 1,074,555; Sept. 30; Gaz. vol. 194; p. 1105.
- Cigar-lighter, Pocket. C. Wachtel. No. 1,069,207; Aug. 5; Gaz. vol. 193; p. 42.
- Cigar-lighting appliance. F. H. Lewis. No. 1,069,621; Aug. 5; Gaz. vol. 193; p. 183.
- Cigar-machine. J. D. Lacroix. No. 1,070,818; Aug. 19; Gaz. vol. 193; p. 663.
- Cigar-machine. O. Tyberg. No. 1,075,172; Oct. 7; Gaz. vol. 195; p. 200.
- Cigar-machine. B. T. Burchardi, V. E. Hansen, and H. S. Marsh. No. 1,075,189; Oct. 7; Gaz. vol. 195; p. 207.
- Cigar-machine. H. S. Marsh. No. 1,077,886; Nov. 4; Gaz. vol. 196; p. 221.
- Cigar-machine. B. T. Burchardi, V. E. Hansen, and H. S. Marsh. No. 1,077,903; Nov. 4; Gaz. vol. 196; p. 226.
- Cigar-machine. O. Preissler and A. Fritz. No. 1,079,581; Nov. 25; Gaz. vol. 196; p. 900.
- Cigar-making machine. C. F. Bremer. No. 1,080,949; Dec. 9; Gaz. vol. 197; p. 390.
- Cigar-moistening apparatus. J. Litchfield. No. 1,075,835; Oct. 14; Gaz. vol. 195; p. 456.
- Cigar-mold-pressing device. F. M. Shirley. No. 1,076,163; Oct. 21; Gaz. vol. 195; p. 596.
- Cigar or cigarette holder. E. Long. No. 1,068,436; July 29; Gaz. vol. 192; p. 1007.
- Cigar-packing machine. A. Gordon. No. 1,054,642; Feb. 25; Gaz. vol. 187; p. 1068.
- Cigar, Sanitary tip-protected. C. H. W. Koerner. No. 1,055,640; Mar. 11; Gaz. vol. 188; p. 366.
- Cigar-tip. R. G. H. Rolfs. No. 1,070,845; Aug. 19; Gaz. vol. 193; p. 672.
- Cigar-tip cutter. M. Starck. No. 1,053,890; Feb. 18; Gaz. vol. 187; p. 774.
- Cigar-tip cutter. J. D. Battin. No. 1,066,365; July 1; Gaz. vol. 192; p. 162.
- Cigar-tip cutter. R. E. Miller. No. 1,073,615; Sept. 23; Gaz. vol. 194; p. 761.
- Cigar-tuck cutter. G. W. Bowman. No. 1,083,052; Dec. 30; Gaz. vol. 197; p. 1201.
- Cigar-wrapper. E. N. Gilfillan. No. 1,076,007; Oct. 14; Gaz. vol. 195; p. 515.
- Cigar-wrapper. E. N. Gilfillan. No. 1,076,008; Oct. 14; Gaz. vol. 195; p. 515.
- Cigar-wrapper counter. D. Strasser. No. 1,061,930; May 13; Gaz. vol. 190; p. 501.

Alphabetical list of inventions—Continued.

- Cigar-wrapper-cutting machine. L. Zeeman, G. F. Flad, and A. Wilson. No. 1,052,300; Feb. 4; Gaz. vol. 187; p. 156.
- Cigar-wrapper moistener and container. B. Liberman. No. 1,082,277; Dec. 23; Gaz. vol. 197; p. 902.
- Cigar-wrapper moistener and container. B. Liberman. No. 1,082,278; Dec. 23; Gaz. vol. 197; p. 903.
- Cigar-wrapping mechanism. W. S. Luckett. No. 1,075,216; Oct. 7; Gaz. vol. 195; p. 216.
- Cigars, Manufacturing. W. F. Metcalf and S. W. Leidlch. No. 1,083,023; Dec. 30; Gaz. vol. 197; p. 1192.
- Cigarette. B. E. Teale. No. 1,054,055; Feb. 25; Gaz. vol. 187; p. 868.
- Cigarette. S. Trumper. No. 1,054,058; Feb. 25; Gaz. vol. 187; p. 869.
- Cigarette. J. Kattar. No. 1,073,422; Sept. 16; Gaz. vol. 194; p. 674.
- Cigarette-box. O. Berghorn. No. 1,068,099; July 22; Gaz. vol. 192; p. 851.
- Cigarette-case. A. Mitchell. No. 1,054,979; Mar. 4; Gaz. vol. 188; p. 111.
- Cigarette-case. J. W. H. Pattison. No. 1,074,573; Sept. 30; Gaz. vol. 194; p. 1111.
- Cigarette-case. H. C. Pedersen. No. 1,081,512; Dec. 16; Gaz. vol. 197; p. 616.
- Cigarette-former. F. C. Cooper. No. 1,069,921; Aug. 12; Gaz. vol. 193; p. 316.
- Cigarette holder and igniter, Combined. T. Egan. No. 1,054,187; Feb. 25; Gaz. vol. 187; p. 914.
- Cigarette-machine. P. J. Ruscher. No. 1,057,983; Apr. 1; Gaz. vol. 189; p. 200.
- Cigarette-machines. Cut-off mechanism for. E. D. Smith. No. 1,075,274; Oct. 7; Gaz. vol. 195; p. 238.
- Cigarette-machines. Pasting mechanism for. E. D. Smith. No. 1,075,272; Oct. 7; Gaz. vol. 195; p. 237.
- Cigarette-machines. Tipping attachment for. V. J. and W. Ragona. No. 1,051,447; Jan. 28; Gaz. vol. 186; p. 828.
- Cigarette-machines, Tobacco-delivery apparatus for. E. Schürmann. No. 1,073,937; Sept. 23; Gaz. vol. 194; p. 873.
- Cigarette-making machine. C. de Cazen. No. 1,078,034; Nov. 11; Gaz. vol. 196; p. 304.
- Cigarette-rod-forming mechanism. E. D. Smith. No. 1,075,273; Oct. 7; Gaz. vol. 195; p. 238.
- Cigarette-rod-severing device. D. Hemming. No. 1,066,012; July 1; Gaz. vol. 192; p. 38.
- Cigarette-tubes, Treating the tipping material of. E. Koerner. No. 1,061,757; May 13; Gaz. vol. 190; p. 446.
- Cigarettes and other similar articles, Machine for packing. E. L. Bracy. No. 1,069,844; Aug. 12; Gaz. vol. 193; p. 290.
- Cigarettes and the like, Machine for pasting the seams of. D. Hemming. No. 1,066,109; July 1; Gaz. vol. 192; p. 72.
- Cigarettes, &c., Case for. L. P. Shannon. No. 1,071,629; Aug. 26; Gaz. vol. 193; p. 966.
- Cigarettes, Making. J. W. Blosser. No. 1,066,579; July 8; Gaz. vol. 192; p. 265.
- Cigarettes, Smoke-filter for. L. Coen. No. 1,070,412; Aug. 19; Gaz. vol. 193; p. 527.
- Cinder-deflector. D. A. Sox. No. 1,063,299; June 3; Gaz. vol. 191; p. 44.
- Circuit-breaker. R. C. Lanphier. No. 1,052,595; Feb. 11; Gaz. vol. 187; p. 288.
- Circuit-breaker. F. Heath. No. 1,054,115; Feb. 25; Gaz. vol. 187; p. 888.
- Circuit-breaker. L. E. Hodges. No. 1,054,845; Mar. 4; Gaz. vol. 188; p. 67.
- Circuit-breaker. W. E. Sands. No. 1,069,815; Aug. 12; Gaz. vol. 193; p. 280.
- Circuit-breaker. F. L. Sessions. No. 1,072,178; Sept. 2; Gaz. vol. 194; p. 174.
- Circuit-breaker. C. C. Badeau. No. 1,075,749; Oct. 14; Gaz. vol. 195; p. 426.
- Circuit-breaker. A. Guerra. No. 1,077,829; Nov. 4; Gaz. vol. 196; p. 201.
- Circuit-breaker. P. C. Hewitt. No. 1,079,410; Nov. 25; Gaz. vol. 196; p. 840.
- Circuit-breaker, Automatic. E. A. Fagerlund. No. 1,058,570; Apr. 8; Gaz. vol. 189; p. 447.
- Circuit-breaker, Automatic high-voltage. E. O. Schweitzer and N. J. Conrad. No. 1,050,493; Jan. 14; Gaz. vol. 186; p. 436.
- Circuit-breaker, Automatic vibrating. E. B. Craft. No. 1,071,142; Aug. 26; Gaz. vol. 193; p. 804.
- Circuit-breaker for alternating current, No-voltage. C. C. Badeau. No. 1,054,330; Feb. 25; Gaz. vol. 187; p. 961.
- Circuit-breakers, Mechanism for operating distant. C. S. Van Nuis and J. W. Achard. No. 1,051,929; Feb. 4; Gaz. vol. 187; p. 27.
- Circuit-changer. E. Unverricht. No. 1,074,911; Oct. 7; Gaz. vol. 195; p. 110.
- Circuit-changing device. W. H. Gaulke. No. 1,069,610; Aug. 5; Gaz. vol. 193; p. 179.
- Circuit-changing mechanism. H. G. Webster. No. 1,056,866; Mar. 25; Gaz. vol. 188; p. 848.
- Circuit-closer, Periodic. J. G. MacPherson. No. 1,062,722; May 27; Gaz. vol. 190; p. 848.
- Circuit-closer, Thermal. J. F. Scheuer. No. 1,076,394; Oct. 21; Gaz. vol. 195; p. 676.
- Circuit-closer, Thermal. J. F. Scheuer. No. 1,076,607; Oct. 21; Gaz. vol. 195; p. 752.
- Circuit-closer, Thermostatic. C. V. Fite. No. 1,074,544; Sept. 30; Gaz. vol. 194; p. 1102.
- Circuit-closer, Thermostatic. J. Hartley. No. 1,080,339; Dec. 2; Gaz. vol. 197; p. 148.
- Circuit-closing contact, Rail-. F. Prochaska. No. 1,072,030; Sept. 2; Gaz. vol. 194; p. 124.
- Circuit-closing device. W. W. Alexander. No. 1,077,948; Nov. 4; Gaz. vol. 196; p. 244.
- Circuit-closing device, Time-controlled. C. A. Palmgren. No. 1,074,813; Oct. 7; Gaz. vol. 195; p. 77.
- Circuit-controller. J. M. Andersen. No. 1,050,592; Jan. 14; Gaz. vol. 186; p. 469.
- Circuit-controller. N. M. Hopkins. No. 1,058,587; Apr. 8; Gaz. vol. 189; p. 453.
- Circuit-controller. H. McCready. No. 1,071,769; Sept. 2; Gaz. vol. 194; p. 35.
- Circuit-controller, Flow-responsive. H. B. Hartman. No. 1,065,362; June 24; Gaz. vol. 191; p. 849.
- Circuit-controlling apparatus. L. H. Thullen. No. 1,054,633; Feb. 25; Gaz. vol. 187; p. 1072.
- Circuit-controlling contact. E. M. Hewlett. No. 1,074,431; Sept. 30; Gaz. vol. 194; p. 1067.
- Circuit-controlling device. F. J. West and H. W. Darby. No. 1,066,965; July 8; Gaz. vol. 192; p. 398.
- Circuit-controlling device, Thermal. G. A. Adam. No. 1,063,101; May 27; Gaz. vol. 190; p. 974.
- Circuit-controlling system. J. H. Hall. No. 1,053,494; Feb. 18; Gaz. vol. 187; p. 642.
- Circuit-controlling system. J. H. Hall. No. 1,053,495; Feb. 18; Gaz. vol. 187; p. 642.
- Circuit-controlling system for electric elevators and the like, Automatic. N. O. Lindstrom. No. 1,074,962; Oct. 7; Gaz. vol. 195; p. 126.
- Circuit-extension box. C. W. Abbott. No. 1,065,493; June 24; Gaz. vol. 191; p. 894.
- Circuit-interrupter. P. H. Thomas. No. 1,079,380; Nov. 25; Gaz. vol. 196; p. 830.
- Circuit regulator, Pneumatic-. F. C. White. No. 1,082,666; Dec. 30; Gaz. vol. 197; p. 1068.
- Circuits, Antireverser for alternating-current. E. L. Gale, Sr. No. 1,066,721; July 8; Gaz. vol. 192; p. 316.
- Circuits, Tie-wire for high-voltage. J. Cronin. No. 1,061,823; May 13; Gaz. vol. 190; p. 465.
- Circuits, Vapor-rectifier for high-potential. J. L. R. Hayden. No. 1,076,672; Oct. 28; Gaz. vol. 195; p. 828.
- Circuits, Vapor-rectifier for high-potential. J. L. R. Hayden. No. 1,076,884; Oct. 28; Gaz. vol. 195; p. 903.
- Circulating and mixing device. J. J. Fearon. No. 1,079,753; Nov. 25; Gaz. vol. 196; p. 961.
- Cistern. W. H. Reifsnider. No. 1,082,444; Dec. 23; Gaz. vol. 197; p. 958.
- Cistern-cleaner. C. D. Bears. No. 1,053,140; Feb. 11; Gaz. vol. 187; p. 476.
- Cistern-cleaner, Automatic. G. O. La Croix. No. 1,054,004; Feb. 25; Gaz. vol. 187; p. 852.
- Cisterns, Form for concrete. G. A. Watkins. No. 1,080,187; Dec. 2; Gaz. vol. 197; p. 94.
- Clam-digger. J. Schoos. No. 1,074,532; Sept. 30; Gaz. vol. 194; p. 1097.
- Clamp. See Angle or miter clamp; Bench-clamp; Button-hole guide-clamp; Cable-clamp; Chain-clamp; Churn-cover clamp; Clothes-line clamp; Coat-clamp; Column-clamp; Concrete-form clamp; Corner-clamp; Cotton-sack clamp; Cover-clamp; Door-holding clamp; Door-supporting clamp; Drill-cable clamp; Drop-siding clamp; Eaves-trough clamp; Electrode contact-clamp; Fence-clamp; Finger-clamp; Floor-clamp; Gas and electric outlet clamp; Guy-clamp; Handle-bar clamp; Hose-clamp; Joint-clamp; Key-clamp; Key-duplicating clamp; Lathe-clamp; Locking-clamp; Machinist's clamp; Meat-clamp; Miter-clamp; Needle-clamp; Page-clamp; Page or stub clamp; Picture-frame clamp; Pipe-clamp; Pipe-patch clamp; Power-clamp; Printer's form-clamp; Pull-rod clamp; Rail-clamp; Railway-clamp; Railway-rail clamp; Rope-clamp; Rope and wire clamp; Sash and door clamp; Saw-clamp; Seat-clamp; Skate-clamp; Soldering-clamp; Spring-clamp; Steel-tie clamp; Suspension-clamp; Tool-clamp; Top-bow clamp; Track-clamp; Trolley-pole clamp; Tube-clamp; Type-writing-machine desk-clamp; Udder-clamp; Wagon-seat clamp; Well-clamp; Wheel rail-clamp; Wire-clamp; Wire-stretcher clamp; Woodworking-clamp.
- Clamp. C. F. Smith and J. Robertson. No. 1,051,771; Jan. 28; Gaz. vol. 186; p. 935.
- Clamp. I. L. Beverage, A. C. Suddarth, and H. B. Wood. No. 1,058,535; Apr. 8; Gaz. vol. 189; p. 436.
- Clamp. I. G. Huston. No. 1,061,178; May 6; Gaz. vol. 190; p. 211.
- Clamp. J. Diehl. No. 1,063,332; June 3; Gaz. vol. 191; p. 55.
- Clamp. C. L. Hagen. No. 1,063,970; June 10; Gaz. vol. 191; p. 308.
- Clamp. J. C. Johnson. No. 1,067,121; July 8; Gaz. vol. 192; p. 450.
- Clamp. J. E. Dabbs. No. 1,073,964; Sept. 23; Gaz. vol. 194; p. 883.

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- Clamp. M. S. Robinson. (Reissue.) No. 13,644; Nov. 11; Gaz. vol. 196; p. 501.
- Clamp-bolt, Locking. E. O. Edwards. No. 1,082,461; Dec. 23; Gaz. vol. 197; p. 962.
- Clamp for pipe-joints of the bell-and-spigot type. J. Clark. No. 1,051,087; Jan. 21; Gaz. vol. 186; p. 674.
- Clamping appliance. P. and C. R. Dosch. No. 1,058,223; Apr. 8; Gaz. vol. 189; p. 329.
- Clamping device. J. A. Burns. No. 1,049,337; Jan. 7; Gaz. vol. 186; p. 6.
- Clamping device. J. T. Rydberg. No. 1,049,402; Jan. 7; Gaz. vol. 186; p. 29.
- Clamping device. J. Huber. No. 1,057,484; Apr. 1; Gaz. vol. 189; p. 30.
- Clamping device. J. E. Cunin. No. 1,067,320; July 15; Gaz. vol. 192; p. 556.
- Clamping device. W. H. Kirkbride. No. 1,074,628; Oct. 7; Gaz. vol. 195; p. 14.
- Clamping device. W. N. Sawyer. No. 1,077,001; Oct. 28; Gaz. vol. 195; p. 945.
- Clamping device. A. J. Sutch. No. 1,077,652; Nov. 4; Gaz. vol. 196; p. 142.
- Clamping device. F. K. Shaffer. No. 1,078,067; Nov. 11; Gaz. vol. 196; p. 315.
- Clamping device. J. W. Reese. No. 1,078,378; Nov. 11; Gaz. vol. 196; p. 424.
- Clamping device. R. A. Beaudette. No. 1,078,533; Nov. 11; Gaz. vol. 196; p. 475.
- Clamping device. C. J. Landin. No. 1,080,013; Dec. 2; Gaz. vol. 197; p. 32.
- Clamping device or jig. H. Yardley. No. 1,066,357; July 1; Gaz. vol. 192; p. 160.
- Clamping device, Protected terminal-. A. H. Ackermann. No. 1,059,326; Apr. 15; Gaz. vol. 189; p. 746.
- Clamping mechanism. D. C. Klausmeyer. No. 1,070,815; Aug. 19; Gaz. vol. 193; p. 662.
- Clarifying apparatus. F. M. Harshberger. No. 1,068,767; July 29; Gaz. vol. 192; p. 1122.
- Clarinet. R. E. Riday. No. 1,060,946; May 6; Gaz. vol. 190; p. 132.
- Clasp: See Button-clasp; Cable-clasp; Draw-clasp; Garment-clasp; Garter-clasp; Hose-rack clasp; Hose-supporter clasp; Necklace-clasp; Necktie-clasp; Ribbon-bolt clasp; Suspender-clasp; Table-cloth clasp.
- Clasp. F. V. Risinger. No. 1,049,533; Jan. 7; Gaz. vol. 186; p. 73.
- Clasp. W. F. Graham. No. 1,056,020; Mar. 18; Gaz. vol. 188; p. 529.
- Clasp. C. E. Peterson. No. 1,056,211; Mar. 18; Gaz. vol. 188; p. 595.
- Clasp. E. L. Gundlach. No. 1,065,240; June 17; Gaz. vol. 191; p. 770.
- Clasp. F. A. Freeman. No. 1,068,049; July 22; Gaz. vol. 192; p. 836.
- Clasp. A. O. Boyland. No. 1,069,225; Aug. 5; Gaz. vol. 193; p. 48.
- Clasp. W. J. Shorten. No. 1,073,714; Sept. 23; Gaz. vol. 194; p. 799.
- Clasp. O. L. Gammelgaard. No. 1,080,336; Dec. 2; Gaz. vol. 197; p. 146.
- Clasp. W. Conway. No. 1,080,539; Dec. 9; Gaz. vol. 197; p. 249.
- Clasp. F. Hirsh. No. 1,081,501; Dec. 16; Gaz. vol. 197; p. 611.
- Clasp for holding ribbon-bows. V. Stone. No. 1,055,428; Mar. 11; Gaz. vol. 188; p. 298.
- Clasp-locking device. J. C. Lapp. No. 1,059,051; Apr. 15; Gaz. vol. 189; p. 653.
- Clasp or buckle. G. B. Adams. No. 1,055,011; Mar. 4; Gaz. vol. 188; p. 121.
- Classifier for solid material. R. E. Trotter. No. 1,074,301; Sept. 30; Gaz. vol. 194; p. 1023.
- Classifier or separator. W. A. Hendryx. No. 1,053,171; Feb. 18; Gaz. vol. 187; p. 530.
- Claw-bar. A. J. Hess. No. 1,053,599; Feb. 18; Gaz. vol. 187; p. 679.
- Clay-granulating apparatus. F. Lambert. No. 1,073,425; Sept. 16; Gaz. vol. 194; p. 675.
- Cleaner: See Air-cleaner; Apple sorter and cleaner; Ballast-cleaner; Bobbin-cleaner; Boiler-cleaner; Boiler-flue cleaner; Boiler-tube cleaner; Brush-cleaner; Carpet-cleaner; Chimney-cleaner; Chimney-flue cleaner; Cistern-cleaner; Colter-cleaner; Cotton-cleaner; Engine-cleaner; Eyeglass-cleaner; Firearm-barrel cleaner; Flat-iron cleaner; Floor-cleaner; Flue-cleaner; Fruit-cleaner; Gas-cleaner; Gas-burner cleaner; Gin-saw cleaner; Grain-cleaner; Lamp-chimney cleaner; Motor-cleaner; Pipe-cleaner; Pneumatic cleaner; Rake-cleaner; Razor-frame cleaner; Roll-cleaner; Sack-cleaner; Sad-iron cleaner; Sand and gravel cleaner; Separator-screen cleaner; Sewer-cleaner; Ship-bottom cleaner; Shoe-cleaner; Silver-cleaner; Stovepipe-cleaner; Street-cleaner; Suction-cleaner; Surface-cleaner; Switchboard-plug cleaner; Top-comb cleaner; Track-cleaner; Tube-cleaner; Vacuum-cleaner; Wheat-cleaner; Window-cleaner.
- Cleaner-holder. I. G. Kelley. No. 1,076,888; Oct. 28; Gaz. vol. 195; p. 905.
- Cleaner-roll mounting. F. H. McDevitt. No. 1,058,773; Apr. 15; Gaz. vol. 189; p. 554.
- Cleaning and polishing machine. I. K. Roby. No. 1,053,320; Feb. 18; Gaz. vol. 187; p. 581.
- Cleaning and polishing machine. E. W. Kottusch. No. 1,061,482; May 13; Gaz. vol. 190; p. 351.
- Cleaning and scrubbing machines, Suction-creating pump for. C. A. Kaiser. No. 1,049,729; Jan. 7; Gaz. vol. 186; p. 140.
- Cleaning apparatus. L. J. Kucki. No. 1,069,148; Aug. 5; Gaz. vol. 193; p. 20.
- Cleaning apparatus. I. H. Spencer. No. 1,072,783; Sept. 9; Gaz. vol. 194; p. 410.
- Cleaning apparatus, Article-. E. L. Couch. No. 1,068,568; July 29; Gaz. vol. 192; p. 1052.
- Cleaning apparatus, Suction. T. B. Baillie. No. 1,069,754; Aug. 12; Gaz. vol. 193; p. 259.
- Cleaning device. P. A. Mahon. No. 1,054,579; Feb. 25; Gaz. vol. 187; p. 1048.
- Cleaning device. H. E. Norwood and E. B. Davidson. No. 1,056,819; Mar. 25; Gaz. vol. 188; p. 832.
- Cleaning device. J. H. Simpson. No. 1,079,672; Nov. 25; Gaz. vol. 196; p. 930.
- Cleaning device. P. E. Fischer. No. 1,081,597; Dec. 16; Gaz. vol. 197; p. 642.
- Cleaning-machine. G. W. Beadle. No. 1,053,554; Feb. 18; Gaz. vol. 187; p. 662.
- Cleaning-machine. W. B. Keighley. No. 1,059,877; Apr. 22; Gaz. vol. 189; p. 965.
- Cleaning-machine. A. A. Long. No. 1,063,559; June 3; Gaz. vol. 191; p. 132.
- Cleaning-machine, Suction. O. A. Rohrer. No. 1,053,649; Feb. 18; Gaz. vol. 187; p. 694.
- Cleaning metal goods and paintwork, Composition for. A. D. Frood. No. 1,071,728; Sept. 2; Gaz. vol. 194; p. 20.
- Cleaning or polishing machine. E. W. Kottusch. No. 1,061,481; May 13; Gaz. vol. 190; p. 350.
- Cleaning system, Hot-water and vacuum. C. E. Gaffney and J. R. Pettiford. No. 1,053,375; Feb. 18; Gaz. vol. 187; p. 600.
- Cleaning-tool. I. H. Spencer. No. 1,063,078; May 27; Gaz. vol. 190; p. 966.
- Cleaning-tool, Suction. W. S. Sutton. No. 1,061,422; May 13; Gaz. vol. 190; p. 329.
- Cleat for sawdust-conveyer chains. A. Z. Robinson. No. 1,066,325; July 1; Gaz. vol. 192; p. 150.
- Cleat, Nailing-. J. A. Topping. No. 1,066,959; July 8; Gaz. vol. 192; p. 396.
- Clenching-machine. J. D. Smith. No. 1,051,284; Jan. 21; Gaz. vol. 186; p. 739.
- Clevis. H. B. Deakins. No. 1,079,476; Nov. 25; Gaz. vol. 196; p. 862.
- Clevis and connecting device for doubletrees. C. E. Jones. No. 1,070,690; Aug. 19; Gaz. vol. 193; p. 621.
- Clevis-hook. R. E. Smith. No. 1,054,046; Feb. 25; Gaz. vol. 187; p. 866.
- Clevis, Plow-. J. E. Cunningham and L. E. Haines. No. 1,052,573; Feb. 11; Gaz. vol. 187; p. 281.
- Clevis, Tag-line. J. E. Gilchrist. No. 1,060,675; May 6; Gaz. vol. 190; p. 38.
- Clicking-machine. A. R. Schoenky. No. 1,068,455; July 29; Gaz. vol. 192; p. 1014.
- Climbing device, Pole-. W. S. Morris. No. 1,073,158; Sept. 16; Gaz. vol. 194; p. 580.
- Clip: See Bill-clip; Button-clip; Cable-clip; Coin-clip; Collar-clip; End and side clip; Fastening-clip; Finger-print-card clip; Halter-rope clip; Hame-clip; Harrow-tooth clip; Haulage-clip; Index-clip; Lariat-noose clip; Paper-clip; Pen and pencil clip; Pencil-clip; Pocket-clip; Rail-clip; Rail-fastening clip; Rail-tie clip; Spring attaching-clip; Spring terminal clip; Trace-clip; Wire-clip.
- Clip. E. J. Valentine. No. 1,067,288; July 15; Gaz. vol. 192; p. 545.
- Clip-attaching device. J. B. Mullally and G. L. Grant. No. 1,077,154; Oct. 28; Gaz. vol. 195; p. 992.
- Clip-fastening, Metallic. G. H. Barbour. No. 1,073,082; Sept. 16; Gaz. vol. 194; p. 555.
- Clip for leaves of filing-books. E. C. Ward. No. 1,069,210; Aug. 5; Gaz. vol. 193; p. 43.
- Clip or binder. F. Barker. No. 1,066,363; July 1; Gaz. vol. 192; p. 161.
- Clipper or shears, Metal. E. H. Eller. No. 1,062,773; May 27; Gaz. vol. 190; p. 865.
- Clipping-machines, Nap-blowing attachment for. H. B. Mallory. No. 1,052,934; Feb. 11; Gaz. vol. 187; p. 406.
- Clipping-tool. W. B. Myers. No. 1,056,046; Mar. 18; Gaz. vol. 188; p. 538.
- Clock. F. A. Jaberg. No. 1,050,542; Jan. 14; Gaz. vol. 186; p. 453.
- Clock. C. P. Elieson. No. 1,057,952; Apr. 1; Gaz. vol. 189; p. 189.
- Clock. B. Z. Friedman. No. 1,060,591; May 6; Gaz. vol. 190; p. 9.
- Clock. L. D. Giddens. No. 1,061,741; May 13; Gaz. vol. 190; p. 441.
- Clock. J. J. Busenbenz. No. 1,069,316; Aug. 5; Gaz. vol. 193; p. 79.
- Clock. G. Kern. No. 1,073,608; Sept. 23; Gaz. vol. 194; p. 759.

Alphabetical list of inventions—Continued.

- Clock. W. B. Rikard. No. 1,074,204; Sept. 30; Gaz. vol. 194; p. 991.
- Clock. G. R. Nordling. No. 1,079,796; Nov. 25; Gaz. vol. 196; p. 976.
- Clock, Advertising-. N. Weil. No. 1,064,577; June 10; Gaz. vol. 191; p. 516.
- Clock, Alarm-. W. E. Porter. No. 1,049,914; Jan. 7; Gaz. vol. 186; p. 202.
- Clock, Alarm-. E. E. Stockton. No. 1,050,402; Jan. 14; Gaz. vol. 186; p. 402.
- Clock, Alarm-. W. E. Porter. No. 1,059,632; Apr. 15; Gaz. vol. 189; p. 886.
- Clock, Alarm-. E. E. Stockton. No. 1,061,023; May 6; Gaz. vol. 190; p. 161.
- Clock, Alarm-. G. Blej. No. 1,067,397; July 15; Gaz. vol. 192; p. 581.
- Clock, Alarm-. G. J. Jaccard. No. 1,074,436; Sept. 30; Gaz. vol. 194; p. 1069.
- Clock, Alarm-. G. Kern. No. 1,078,858; Nov. 18; Gaz. vol. 196; p. 621.
- Clock alarm mechanism. E. E. Gage. No. 1,082,077; Dec. 23; Gaz. vol. 197; p. 833.
- Clock-chimes. H. F. Schaefer. No. 1,057,461; Apr. 1; Gaz. vol. 189; p. 23.
- Clock-crystal bezel. W. J. Herschede. No. 1,082,080; Dec. 23; Gaz. vol. 197; p. 834.
- Clock-dial. F. E. Windsor. No. 1,072,554; Sept. 9; Gaz. vol. 194; p. 331.
- Clock dial, Program-. A. W. South. No. 1,068,538; July 29; Gaz. vol. 192; p. 1041.
- Clock, Double-alarm-. W. E. Porter. No. 1,057,668; Apr. 1; Gaz. vol. 189; p. 93.
- Clock, Double-faced. G. O. De Clark. No. 1,068,417; July 29; Gaz. vol. 192; p. 1001.
- Clock, Electric. W. H. Thompson. No. 1,060,380; Apr. 29; Gaz. vol. 189; p. 1182.
- Clock, Electric. J. F. Engle. No. 1,064,137; June 10; Gaz. vol. 191; p. 367.
- Clock, Electric. H. Gillette. No. 1,078,274; Nov. 11; Gaz. vol. 196; p. 386.
- Clock, Electric. F. Brunko. No. 1,080,414; Dec. 2; Gaz. vol. 197; p. 175.
- Clock, Electric alarm-. F. Goss. No. 1,053,026; Feb. 11; Gaz. vol. 187; p. 435.
- Clock, Electrically-operated alarm-. W. P. Locke. No. 1,081,052; Dec. 9; Gaz. vol. 197; p. 422.
- Clock for automobiles or the like. H. W. Matalene. No. 1,050,963; Jan. 21; Gaz. vol. 186; p. 631.
- Clock for automobiles or the like. H. W. Matalene. No. 1,050,964; Jan. 21; Gaz. vol. 186; p. 631.
- Clock, Keyless automobile-. W. E. Porter. No. 1,074,975; Oct. 7; Gaz. vol. 195; p. 131.
- Clock mechanism, Electric. L. C. Bush. No. 1,051,553; Jan. 28; Gaz. vol. 186; p. 865.
- Clock-movement, Front-winding. W. E. Porter. No. 1,056,364; Mar. 18; Gaz. vol. 188; p. 645.
- Clock, Program-. J. E. Rodkey and E. C. Farrar. No. 1,051,765; Jan. 28; Gaz. vol. 186; p. 935.
- Clock, Self-winding electric. W. K. Menns. No. 1,055,776; Mar. 11; Gaz. vol. 188; p. 413.
- Clock-signal. A. Mangani. No. 1,054,580; Feb. 25; Gaz. vol. 187; p. 1048.
- Clock striking mechanism. B. Z. Friedman. No. 1,053,722; Feb. 18; Gaz. vol. 187; p. 721.
- Clock, Switch-. W. H. Mellor and C. E. Oeth. No. 1,074,129; Sept. 30; Gaz. vol. 194; p. 967.
- Clock-synchronizing mechanism, Automatic cut-out for. E. A. Hummel. No. 1,066,961; July 8; Gaz. vol. 192; p. 397.
- Clock, telltale, alarm, and the like. C. P. Elleson. No. 1,057,951; Apr. 1; Gaz. vol. 189; p. 189.
- Clock winding and setting mechanism. E. E. Wilkinson and S. Aronson. No. 1,070,216; Aug. 12; Gaz. vol. 193; p. 417.
- Clock winding device. C. T. Bernhardt. No. 1,057,918; Apr. 1; Gaz. vol. 189; p. 179.
- Clock winding device. C. T. Bernhardt. No. 1,078,409; Nov. 11; Gaz. vol. 196; p. 436.
- Clock winding means, Automatic. M. Karsch. No. 1,062,282; May 20; Gaz. vol. 190; p. 662.
- Clocks and similar apparatus, Device for driving electric. G. O. Larsson. No. 1,061,550; May 13; Gaz. vol. 190; p. 376.
- Clocks, Automatically-displayed synchronizer-indicator for. E. A. Hummel. No. 1,066,016; July 1; Gaz. vol. 192; p. 39.
- Clocks by electric waves, Apparatus for operating electrical. F. Schneider. No. 1,054,622; Feb. 25; Gaz. vol. 187; p. 1061.
- Clocks, Dash-lock for automobile-. W. E. Porter. No. 1,076,226; Oct. 21; Gaz. vol. 195; p. 618.
- Clocks, Means for regulating receptor-. G. A. Goodson. No. 1,073,675; Sept. 23; Gaz. vol. 194; p. 784.
- Clocks or the like, Electromagnetic drive for secondary. A. O. Benecke. No. 1,070,577; Aug. 19; Gaz. vol. 193; p. 584.
- Clocks, Phonograph attachment for. R. C. Laird and C. E. Miller. No. 1,059,474; Apr. 22; Gaz. vol. 189; p. 835.
- Clod crusher and pulverizer. I. F. Boots. No. 1,059,823; Apr. 22; Gaz. vol. 189; p. 949.
- Clod-fender, Revolving. H. H. Munson. No. 1,078,689; Nov. 18; Gaz. vol. 196; p. 561.
- Closet: See Cabinet-closet; Cremating-closet; Dry closet; Sanitary closet; Stove-closet; Water-closet.
- Closet. E. M. Anderson. No. 1,063,764; June 3; Gaz. vol. 191; p. 205.
- Closet-bowl. C. W. Beswick. No. 1,070,003; Aug. 12; Gaz. vol. 193; p. 344.
- Closet-bowls, &c., Device for removing obstructions from. G. A. Fisher and J. A. Morrison. No. 1,051,992; Feb. 4; Gaz. vol. 187; p. 49.
- Closet-bowls, Sanitary attachment for. J. B. Brittain. No. 1,070,108; Aug. 12; Gaz. vol. 193; p. 380.
- Closet-sanitation system. E. L. Miller. No. 1,081,130; Dec. 9; Gaz. vol. 197; p. 447.
- Closet-seat. M. Lehtonen. No. 1,064,148; June 10; Gaz. vol. 191; p. 370.
- Closet-seat. S. L. Eastburn. No. 1,074,701; Oct. 7; Gaz. vol. 195; p. 40.
- Closet-seat cover, Sanitary. H. Luthi. No. 1,071,933; Sept. 2; Gaz. vol. 194; p. 91.
- Closet-seat, Sanitary. R. D. Mayo. No. 1,050,283; Jan. 14; Gaz. vol. 186; p. 361.
- Closet-seat, Sanitary. E. O. Edwards. No. 1,076,107; Oct. 21; Gaz. vol. 195; p. 578.
- Closet-seat sanitary cover. N. Camelo. No. 1,081,091; Dec. 9; Gaz. vol. 197; p. 433.
- Closet-seat sanitary paper coverings, Machine for cutting and feeding. O. M. Gilbertson. No. 1,081,904; Dec. 16; Gaz. vol. 197; p. 743.
- Closet-trap. H. T. Cronk. No. 1,064,196; June 10; Gaz. vol. 191; p. 387.
- Closure. A. Solomon. No. 1,074,023; Sept. 23; Gaz. vol. 194; p. 902.
- Closure. H. Spengler. No. 1,074,907; Oct. 7; Gaz. vol. 195; p. 108.
- Closure-applying mechanism. N. M. La Porte. No. 1,080,114; Dec. 2; Gaz. vol. 197; p. 69.
- Closure-fastening device. W. R. Stevens. No. 1,079,614; Nov. 25; Gaz. vol. 196; p. 912.
- Closures to receptacles, Applying. T. A. Nissinen. No. 1,054,308; Feb. 25; Gaz. vol. 187; p. 954.
- Cloth-beam. J. Northrop. No. 1,082,166; Dec. 23; Gaz. vol. 197; p. 861.
- Cloth-cutter. G. L. Ballard. No. 1,057,914; Apr. 1; Gaz. vol. 189; p. 178.
- Cloth-cutter. H. A. Meyer. No. 1,059,190; Apr. 15; Gaz. vol. 189; p. 701.
- Cloth-cutting machine. A. Spielman. No. 1,050,307; Jan. 14; Gaz. vol. 186; p. 369.
- Cloth-cutting machine. F. J. Clark. No. 1,051,685; Jan. 28; Gaz. vol. 186; p. 907.
- Cloth-cutting machine. F. J. Clark. No. 1,051,686; Jan. 28; Gaz. vol. 186; p. 908.
- Cloth-cutting machine. E. M. Waring. No. 1,053,331; Feb. 18; Gaz. vol. 187; p. 585.
- Cloth-cutting machine. G. Scott. No. 1,061,782; May 13; Gaz. vol. 190; p. 453.
- Cloth-cutting machine. P. Saltman. No. 1,062,529; May 20; Gaz. vol. 190; p. 742.
- Cloth-cutting machine. C. F. Mitchell, J. L. Barker, and J. Whittaker. No. 1,066,304; July 1; Gaz. vol. 192; p. 143.
- Cloth-cutting machine. S. Hardy. No. 1,071,521; Aug. 26; Gaz. vol. 193; p. 930.
- Cloth-cutting machines, Safety device for circular-knife. D. Perlman. No. 1,080,518; Dec. 2; Gaz. vol. 197; p. 210.
- Cloth-guiding machine. B. T. Steber. No. 1,062,423; May 20; Gaz. vol. 190; p. 708.
- Cloth-laying machine. J. E. Jufe. No. 1,055,183; Mar. 4; Gaz. vol. 188; p. 177.
- Cloth-laying machine. M. Isaacs. No. 1,061,914; May 13; Gaz. vol. 190; p. 494.
- Cloth-laying machine. S. Moritz. No. 1,078,302; Nov. 11; Gaz. vol. 196; p. 398.
- Cloth, Making rivet-. J. T. Rutledge. No. 1,066,439; July 1; Gaz. vol. 192; p. 185.
- Cloth-marking machine. J. A. Firsching. No. 1,072,708; Sept. 9; Gaz. vol. 194; p. 384.
- Cloth or fabric cutter. M. Z. Clavans. No. 1,061,982; May 20; Gaz. vol. 190; p. 560.
- Cloth-ornamenting machine. G. W. Parkinson and R. S. Tompkins. No. 1,059,200; Apr. 15; Gaz. vol. 189; p. 704.
- Cloth, paper, or other material, Machine for feeding and cutting. J. Keagy. No. 1,078,202; Nov. 11; Gaz. vol. 196; p. 361.
- Cloth-piler. J. Laughton. No. 1,057,350; Mar. 25; Gaz. vol. 188; p. 1013.
- Cloth-piling apparatus. W. M. Gustin. No. 1,082,692; Dec. 30; Gaz. vol. 197; p. 1078.
- Cloth-piling machine. M. L. and C. M. Shapera. No. 1,067,379; July 15; Gaz. vol. 192; p. 575.
- Cloth-piling machine. J. B. Rosenstein. No. 1,075,729; Oct. 14; Gaz. vol. 195; p. 420.
- Cloth-pressing machine. G. Baujard. No. 1,070,318; Aug. 12; Gaz. vol. 193; p. 453.
- Cloth-rubbing device. W. A. Stebbins and M. R. Berger. No. 1,064,784; June 17; Gaz. vol. 191; p. 622.

Alphabetical list of inventions—Continued.

- Cloth-shearing machine. E. F. Butler, Sr. No. 1,081,265; Dec. 9; Gaz. vol. 197; p. 493.
- Cloth-sifting machine. B. T. Steber. (Reissue.) No. 13,528; Feb. 11; Gaz. vol. 187; p. 479.
- Cloth stretching and drying machine. E. R. Meinig. No. 1,067,829; July 22; Gaz. vol. 192; p. 761.
- Clothes-case. P. Henrichs. No. 1,059,156; Apr. 15; Gaz. vol. 189; p. 689.
- Clothes-drier. H. C. Boyer. No. 1,054,271; Feb. 25; Gaz. vol. 187; p. 942.
- Clothes-drier. U. Molinari and E. Valoppi. No. 1,055,938; Mar. 11; Gaz. vol. 188; p. 467.
- Clothes-drier. J. P. Hill. No. 1,060,254; Apr. 29; Gaz. vol. 189; p. 1137.
- Clothes-drier. J. Judelson. No. 1,065,530; June 24; Gaz. vol. 191; p. 906.
- Clothes-drier. P. D. Rlordan. No. 1,069,475; Aug. 5; Gaz. vol. 193; p. 136.
- Clothes-drier and curtain-stretcher, Combined. F. Hunyady. No. 1,062,100; May 20; Gaz. vol. 190; p. 600.
- Clothes-hanger. F. W. Inden. No. 1,069,643; Aug. 5; Gaz. vol. 193; p. 190.
- Clothes-hanger. G. W. Fouke. No. 1,075,558; Oct. 14; Gaz. vol. 195; p. 362.
- Clothes-hanger rack. W. M. Johnson. No. 1,073,495; Sept. 16; Gaz. vol. 194; p. 698.
- Clothes-hanging hook. R. Schröder. No. 1,065,175; June 17; Gaz. vol. 191; p. 747.
- Clothes-horse, Collapsible. W. Kalitzky. No. 1,073,763; Sept. 23; Gaz. vol. 194; p. 815.
- Clothes-line. R. L. McMinn. No. 1,054,704; Mar. 4; Gaz. vol. 188; p. 17.
- Clothes-line. D. J. Lahay. No. 1,055,055; Mar. 4; Gaz. vol. 188; p. 137.
- Clothes-line clamp. M. Bremsy. No. 1,070,399; Aug. 19; Gaz. vol. 193; p. 522.
- Clothes-line clamp. G. H. Noll. No. 1,074,736; Oct. 7; Gaz. vol. 195; p. 52.
- Clothes-line fastener. W. C. Baesel. No. 1,049,642; Jan. 7; Gaz. vol. 186; p. 112.
- Clothes-line fastener. E. J. Eckhardt and R. C. vom Cleff. No. 1,067,412; July 15; Gaz. vol. 192; p. 587.
- Clothes-line fastener. J. R. and P. Kool. No. 1,074,124; Sept. 30; Gaz. vol. 194; p. 965.
- Clothes-line hanger. J. J. Gould. No. 1,073,230; Sept. 16; Gaz. vol. 194; p. 607.
- Clothes-line holder. W. E. Hadley. No. 1,062,457; May 20; Gaz. vol. 190; p. 719.
- Clothes-line holder. J. T. Reed. No. 1,069,181; Aug. 5; Gaz. vol. 193; p. 32.
- Clothes-line holder. G. H. Glenn. No. 1,070,955; Aug. 19; Gaz. vol. 193; p. 706.
- Clothes-line holder, Safety extensible. C. Evrard. No. 1,069,540; Aug. 5; Gaz. vol. 193; p. 156.
- Clothes-line hook. J. Mitchell. No. 1,067,748; July 15; Gaz. vol. 192; p. 700.
- Clothes-line housing and automatic reel combined. C. A. Maxfield. No. 1,066,132; July 1; Gaz. vol. 192; p. 81.
- Clothes-line, Pinless. C. Cochrane. No. 1,057,119; Mar. 25; Gaz. vol. 188; p. 937.
- Clothes-line, Pinless. W. C. Kennedy. No. 1,071,434; Aug. 26; Gaz. vol. 193; p. 902.
- Clothes-line prop. W. Hetherington. No. 1,059,330; Apr. 15; Gaz. vol. 189; p. 748.
- Clothes-line prop. L. S. Andrews. No. 1,059,921; Apr. 22; Gaz. vol. 189; p. 980.
- Clothes-line prop. H. W. Ivey. No. 1,063,801; June 3; Gaz. vol. 191; p. 218.
- Clothes-line pulley. W. Hancox. No. 1,051,223; Jan. 21; Gaz. vol. 186; p. 719.
- Clothes-line reel. J. H. Krider. No. 1,052,487; Feb. 11; Gaz. vol. 187; p. 252.
- Clothes-line reel. H. L. Stoup. No. 1,061,642; May 13; Gaz. vol. 190; p. 407.
- Clothes-line reel. M. L. Scanlon. No. 1,071,351; Aug. 26; Gaz. vol. 193; p. 875.
- Clothes-line reel. J. J. Buser. No. 1,077,245; Oct. 28; Gaz. vol. 195; p. 1022.
- Clothes-line reel. S. A. Julien. No. 1,082,637; Dec. 30; Gaz. vol. 197; p. 1059.
- Clothes-line reel and stretcher. A. F. Chapman. No. 1,055,517; Mar. 11; Gaz. vol. 188; p. 326.
- Clothes-line support. H. Herstein. No. 1,051,404; Jan. 28; Gaz. vol. 186; p. 814.
- Clothes-line support. H. Herstein. No. 1,052,819; Feb. 11; Gaz. vol. 187; p. 366.
- Clothes-line support. G. A. D'Isepo. No. 1,057,715; Apr. 1; Gaz. vol. 189; p. 109.
- Clothes-line support. P. T. Kavanagh. No. 1,058,595; Apr. 8; Gaz. vol. 189; p. 456.
- Clothes-line support. S. J. Krebs. No. 1,061,851; May 13; Gaz. vol. 190; p. 473.
- Clothes-line support. A. Olander. No. 1,063,283; June 3; Gaz. vol. 191; p. 39.
- Clothes-line support, Adjustable. A. S. Erickson. No. 1,081,440; Dec. 16; Gaz. vol. 197; p. 590.
- Clothes-line supporter. G. L. Blodgett. No. 1,053,268; Feb. 18; Gaz. vol. 187; p. 563.
- Clothes-line tightener. D. Palin. No. 1,073,512; Sept. 16; Gaz. vol. 194; p. 704.
- Clothes-lines and the like, Fastener for. W. G. Kendall and K. Shepard. No. 1,082,751; Dec. 30; Gaz. vol. 197; p. 1099.
- Clothes-pin. H. G. Hansen and C. H. Frogner. No. 1,057,238; Mar. 25; Gaz. vol. 188; p. 978.
- Clothes-pin. D. C. Perry and W. E. Wosnig. No. 1,058,257; Apr. 8; Gaz. vol. 189; p. 340.
- Clothes-pin. C. J. Ingersoll. No. 1,059,610; Apr. 22; Gaz. vol. 189; p. 879.
- Clothes-pin. J. L. Buckley. No. 1,062,764; May 27; Gaz. vol. 190; p. 862.
- Clothes-pin. S. Lloyd. No. 1,067,931; July 22; Gaz. vol. 192; p. 795.
- Clothes-pin. J. C. Strange. No. 1,070,202; Aug. 12; Gaz. vol. 193; p. 413.
- Clothes-pin. J. B. Lackie. No. 1,075,112; Oct. 7; Gaz. vol. 195; p. 180.
- Clothes-pin. J. A. Mierzwik. No. 1,081,852; Dec. 16; Gaz. vol. 197; p. 728.
- Clothes-pin. E. J. Munz. No. 1,082,208; Dec. 23; Gaz. vol. 197; p. 876.
- Clothes-pin bag. A. Simonson. No. 1,057,385; Mar. 25; Gaz. vol. 188; p. 1024.
- Clothes-pin holder. H. H. Stebbins. No. 1,053,749; Feb. 18; Gaz. vol. 187; p. 729.
- Clothes-pin holder. L. F. W. Mertens. No. 1,054,707; Mar. 4; Gaz. vol. 188; p. 17.
- Clothes-pin-making machine. E. W. Turner and H. S. Reams. No. 1,061,644; May 13; Gaz. vol. 190; p. 408.
- Clothes-pin, Wire. J. K. Hofstad. No. 1,065,047; June 17; Gaz. vol. 191; p. 706.
- Clothes-pin, Wire. E. J. Richards. No. 1,066,949; July 8; Gaz. vol. 192; p. 393.
- Clothes-pounder. J. D. Avery. No. 1,064,679; June 10; Gaz. vol. 191; p. 551.
- Clothes-pounder. R. E. Beaubien. No. 1,074,593; Sept. 30; Gaz. vol. 194; p. 1120.
- Clothes-pounder. J. Lurtz. No. 1,075,584; Oct. 14; Gaz. vol. 195; p. 370.
- Clothes-pounder. B. H. Wilson. No. 1,078,183; Nov. 11; Gaz. vol. 196; p. 355.
- Clothes-pounder. W. MacDonald. No. 1,078,739; Nov. 18; Gaz. vol. 196; p. 579.
- Clothes-pounder. L. R. Spohrer. No. 1,079,612; Nov. 25; Gaz. vol. 196; p. 911.
- Clothes-rack. G. W. Rogers. No. 1,051,766; Jan. 28; Gaz. vol. 186; p. 934.
- Clothes-rack. J. Freirich. No. 1,056,530; Mar. 18; Gaz. vol. 188; p. 706.
- Clothes-rack. I. T. Richardson. No. 1,076,392; Oct. 21; Gaz. vol. 195; p. 676.
- Clothes-rack, Suspended. B. B. Bosworth. No. 1,066,371; July 1; Gaz. vol. 192; p. 164.
- Clothes-stop. G. P. Dyer. No. 1,061,054; May 6; Gaz. vol. 190; p. 172.
- Clothes-washer. C. B. Eltrich. No. 1,058,044; Apr. 8; Gaz. vol. 189; p. 265.
- Clothes-washer. M. J. Murphy. No. 1,062,658; May 27; Gaz. vol. 190; p. 828.
- Clothes-wringer. J. F. Gubbins. No. 1,081,380; Dec. 16; Gaz. vol. 197; p. 571.
- Clothes-wringer attachment. H. C. Millard. No. 1,055,779; Mar. 11; Gaz. vol. 188; p. 414.
- Clothes-wringer rack. W. F. Drieschman. No. 1,057,716; Apr. 1; Gaz. vol. 189; p. 109.
- Clothing container and transferrer. G. A. Lee. No. 1,062,171; May 20; Gaz. vol. 190; p. 624.
- Clothing-fastener. H. Fulford and L. Reiter. No. 1,066,398; July 1; Gaz. vol. 192; p. 172.
- Clothing for women, Suit of. A. W. Powell. No. 1,053,532; Feb. 18; Gaz. vol. 187; p. 655.
- Clothing hanger and protector, Combined. L. C. Hill. No. 1,078,729; Nov. 18; Gaz. vol. 196; p. 577.
- Club and flash-light, Combined. G. A. Smithwick. No. 1,066,540; July 8; Gaz. vol. 192; p. 251.
- Clutch. S. I. Prescott. No. 1,049,531; Jan. 7; Gaz. vol. 186; p. 71.
- Clutch. S. I. Prescott. No. 1,049,532; Jan. 7; Gaz. vol. 186; p. 72.
- Clutch. F. B. Allen. No. 1,049,967; Jan. 7; Gaz. vol. 186; p. 219.
- Clutch. W. W. Annable and J. W. FitzGerald. No. 1,050,757; Jan. 14; Gaz. vol. 186; p. 522.
- Clutch. C. J. Weinman. No. 1,052,866; Feb. 11; Gaz. vol. 187; p. 381.
- Clutch. N. F. Meyer. No. 1,053,918; Feb. 18; Gaz. vol. 187; p. 785.
- Clutch. F. H. Williams. No. 1,055,433; Mar. 11; Gaz. vol. 188; p. 299.
- Clutch. W. O. Foss. No. 1,055,626; Mar. 11; Gaz. vol. 188; p. 361.
- Clutch. J. R. Marchesseault. No. 1,056,922; Mar. 25; Gaz. vol. 188; p. 868.
- Clutch. I. Z. Zelma. No. 1,058,681; Apr. 8; Gaz. vol. 189; p. 486.
- Clutch. F. S. Ellett. (Reissue.) No. 13,554; Apr. 15; Gaz. vol. 189; p. 751.
- Clutch. L. E. Clémencet. No. 1,061,048; May 6; Gaz. vol. 190; p. 170.

Alphabetical list of inventions—Continued.

- Clutch. A. U. Mershon. No. 1,062,491; May 20; Gaz. vol. 190; p. 731.
- Clutch. C. F. Richardson and G. A. Morgan. No. 1,062,852; May 27; Gaz. vol. 190; p. 891.
- Clutch. A. B. Morse. No. 1,063,998; June 10; Gaz. vol. 191; p. 318.
- Clutch. F. G. Batchelor. No. 1,065,021; June 17; Gaz. vol. 191; p. 698.
- Clutch. E. J. Sweet. No. 1,065,635; June 24; Gaz. vol. 191; p. 942.
- Clutch. F. S. Ellett. No. 1,071,992; Sept. 2; Gaz. vol. 194; p. 111.
- Clutch. J. B. Entz. No. 1,075,412; Oct. 14; Gaz. vol. 195; p. 312.
- Clutch. H. Mann. No. 1,077,728; Nov. 4; Gaz. vol. 196; p. 166.
- Clutch. H. B. Babson. No. 1,079,094; Nov. 18; Gaz. vol. 196; p. 703.
- Clutch. P. Farwell. No. 1,080,817; Dec. 9; Gaz. vol. 197; p. 347.
- Clutch. J. J. Gilmartin. No. 1,081,735; Dec. 16; Gaz. vol. 197; p. 686.
- Clutch. W. Smith. No. 1,082,657; Dec. 30; Gaz. vol. 197; p. 1065.
- Clutch-actuating device. D. B. Whitehill. No. 1,062,625; May 27; Gaz. vol. 190; p. 817.
- Clutch, Aeroplane-. M. R. Kendall. No. 1,059,372; Apr. 22; Gaz. vol. 189; p. 799.
- Clutch and brake. W. Rose. No. 1,067,197; July 8; Gaz. vol. 192; p. 477.
- Clutch and similar device, Lubricated. L. D. Rowell. No. 1,059,395; Apr. 22; Gaz. vol. 189; p. 807.
- Clutch and speed-varying pulley, Combined. J. V. Pugh and F. Pountney. No. 1,068,364; July 22; Gaz. vol. 192; p. 944.
- Clutch and the like, Friction-. J. M. Hewitt and A. J. Drake. No. 1,077,831; Nov. 4; Gaz. vol. 196; p. 201.
- Clutch, Automatic compensating magnetic. A. W. Whitcomb. No. 1,056,242; Mar. 18; Gaz. vol. 188; p. 605.
- Clutch, Automobile-. A. Afanador. No. 1,070,937; Aug. 19; Gaz. vol. 193; p. 701.
- Clutch bracket, Automatic friction-. A. F. Rowe. No. 1,050,234; Jan. 14; Gaz. vol. 186; p. 344.
- Clutch, Combined friction and positive. H. Druschel. No. 1,078,840; Nov. 18; Gaz. vol. 196; p. 615.
- Clutch construction. P. Evans. No. 1,074,500; Sept. 30; Gaz. vol. 194; p. 1088.
- Clutch control. R. W. Peterson. No. 1,069,808; Aug. 12; Gaz. vol. 193; p. 278.
- Clutch-controller. I. M. Smith. No. 1,050,571; Jan. 14; Gaz. vol. 186; p. 463.
- Clutch device, Roller. E. R. Packer. No. 1,057,495; Apr. 1; Gaz. vol. 189; p. 34.
- Clutch, Double-acting. A. W. Whitcomb. No. 1,056,243; Mar. 18; Gaz. vol. 188; p. 605.
- Clutch, Electromagnetic. W. C. Huebner. No. 1,056,545; Mar. 18; Gaz. vol. 188; p. 710.
- Clutch, Fluid-. J. R. Kinney. No. 1,056,910; Mar. 25; Gaz. vol. 188; p. 864.
- Clutch, Fluid-controlled. H. I. Manley. No. 1,057,251; Mar. 25; Gaz. vol. 188; p. 982.
- Clutch for blower-fans and the like. D. H. Cook and E. J. Wilson. No. 1,052,040; Feb. 4; Gaz. vol. 187; p. 68.
- Clutch for mine-cages, Safety-. B. B. Roberts. No. 1,072,362; Sept. 2; Gaz. vol. 194; p. 234.
- Clutch for speedometers and the like. A. W. Wessoleck. No. 1,081,934; Dec. 16; Gaz. vol. 197; p. 754.
- Clutch, Friction-. R. E. Rosewarne. No. 1,049,604; Jan. 7; Gaz. vol. 186; p. 99.
- Clutch, Friction-. A. W. Whitcomb. No. 1,049,957; Jan. 7; Gaz. vol. 186; p. 215.
- Clutch, Friction-. H. F. Evers. No. 1,050,207; Jan. 14; Gaz. vol. 186; p. 334.
- Clutch, Friction-. C. L. Armstrong. No. 1,051,854; Feb. 4; Gaz. vol. 187; p. 3.
- Clutch, Friction-. W. Dennis. No. 1,053,163; Feb. 18; Gaz. vol. 187; p. 527.
- Clutch, Friction-. F. J. Lemley. No. 1,055,192; Mar. 4; Gaz. vol. 188; p. 180.
- Clutch, Friction-. C. G. Oberley and R. Grignon. No. 1,055,787; Mar. 11; Gaz. vol. 188; p. 417.
- Clutch, Friction-. B. Godwin. No. 1,061,172; May 6; Gaz. vol. 190; p. 208.
- Clutch, Friction-. P. B. Marfield. No. 1,062,568; May 20; Gaz. vol. 190; p. 755.
- Clutch, Friction-. G. Stahl. No. 1,062,860; May 27; Gaz. vol. 190; p. 894.
- Clutch, Friction-. W. A. Ramsay. No. 1,063,064; May 27; Gaz. vol. 190; p. 961.
- Clutch, Friction-. H. D. Murray. No. 1,064,242; June 10; Gaz. vol. 191; p. 402.
- Clutch, Friction-. L. G. Blystone. No. 1,064,435; June 10; Gaz. vol. 191; p. 469.
- Clutch, Friction-. R. M. Wood and W. R. Sargent. No. 1,065,489; June 24; Gaz. vol. 191; p. 893.
- Clutch, Friction-. W. J. Pech. No. 1,071,083; Aug. 26; Gaz. vol. 193; p. 785.
- Clutch, Friction-. C. Hoerl. No. 1,073,685; Sept. 23; Gaz. vol. 194; p. 787.
- Clutch, Friction-. E. A. Ford. No. 1,076,030; Oct. 21; Gaz. vol. 195; p. 551.
- Clutch, Friction-. M. C. Johnson. No. 1,079,348; Nov. 25; Gaz. vol. 196; p. 819.
- Clutch, Friction-. J. E. Ghson. No. 1,081,528; Dec. 16; Gaz. vol. 197; p. 621.
- Clutch, Friction-. L. A. Pagani. No. 1,081,861; Dec. 16; Gaz. vol. 197; p. 730.
- Clutch friction member. L. Whitecomb. No. 1,081,998; Dec. 23; Gaz. vol. 197; p. 805.
- Clutch, Harvester-reel. M. Zinsli. No. 1,054,480; Feb. 25; Gaz. vol. 187; p. 1014.
- Clutch, Magnetic. A. T. Collier. No. 1,077,805; Nov. 4; Gaz. vol. 196; p. 193.
- Clutch mechanism. C. F. Duke and P. F. Wright. No. 1,050,011; Jan. 7; Gaz. vol. 186; p. 234.
- Clutch mechanism. C. W. Michael. No. 1,052,740; Feb. 11; Gaz. vol. 187; p. 336.
- Clutch mechanism. W. A. Barker. No. 1,054,666; Mar. 4; Gaz. vol. 188; p. 5.
- Clutch mechanism. W. L. Miller. No. 1,062,840; May 27; Gaz. vol. 190; p. 887.
- Clutch mechanism. F. Barz. No. 1,069,917; Aug. 12; Gaz. vol. 193; p. 315.
- Clutch mechanism. J. W. Kreiling. No. 1,074,959; Oct. 7; Gaz. vol. 195; p. 125.
- Clutch mechanism. L. E. Waterman. No. 1,077,497; Nov. 4; Gaz. vol. 196; p. 92.
- Clutch mechanism. J. T. Williams. No. 1,077,776; Nov. 4; Gaz. vol. 196; p. 184.
- Clutch mechanism. E. C. Wills. No. 1,082,381; Dec. 23; Gaz. vol. 197; p. 938.
- Clutch mechanism for shearing-machines and the like. J. T. Osler. No. 1,060,850; May 6; Gaz. vol. 190; p. 99.
- Clutch, One-revolution. G. D. Griffiths. No. 1,064,683; June 10; Gaz. vol. 191; p. 552.
- Clutch-operating means. W. W. Hartman and H. S. Cahn. No. 1,072,116; Sept. 2; Gaz. vol. 194; p. 153.
- Clutch-operating mechanism. A. Lambert. No. 1,077,413; Nov. 4; Gaz. vol. 196; p. 62.
- Clutch-operating mechanism. J. J. Peter. No. 1,079,063; Nov. 18; Gaz. vol. 196; p. 693.
- Clutch-release, Automatic. D. C. McCan. No. 1,075,297; Oct. 7; Gaz. vol. 195; p. 247.
- Clutch, Spring-. W. P. Hansen. No. 1,055,905; Mar. 11; Gaz. vol. 188; p. 455.
- Clutch transmission mechanism, Positive-. E. L. Gold and W. L. Breinig. No. 1,058,231; Apr. 8; Gaz. vol. 189; p. 331.
- Clutch, Variable-speed. E. M. Lawler. No. 1,059,940; Apr. 22; Gaz. vol. 189; p. 987.
- Clutch, Yielding. E. Melaun. No. 1,068,801; July 29; Gaz. vol. 192; p. 1135.
- Clutches, Means for controlling and regulating the operation of. C. W. Parker. No. 1,055,071; Mar. 4; Gaz. vol. 188; p. 143.
- Clutches, Safety device for. F. Oakes. No. 1,066,750; July 8; Gaz. vol. 192; p. 327.
- Coal and ore washer. H. W. Falker. No. 1,055,731; Mar. 11; Gaz. vol. 188; p. 396.
- Coal and other material, Apparatus for drying washed. C. Catlett and D. Hancock. No. 1,056,738; Mar. 18; Gaz. vol. 188; p. 776.
- Coal and rock drilling machine, Manual. T., D., T., S., B., and W. Leppiett. No. 1,054,925; Mar. 4; Gaz. vol. 188; p. 92.
- Coal and similar products, Means for securing combustion of. J. H. Parsons. No. 1,066,044; July 1; Gaz. vol. 192; p. 50.
- Coal and similar products, Securing combustion of. J. H. Parsons. No. 1,066,043; July 1; Gaz. vol. 192; p. 49.
- Coal and the waste materials thereof, Apparatus for separating fine. G. B. Damon. No. 1,072,833; Sept. 9; Gaz. vol. 194; p. 428.
- Coal, Apparatus for coking. H. L. Doherty. No. 1,080,142; Dec. 2; Gaz. vol. 197; p. 79.
- Coal, Apparatus for discharging retorts for distillation of. H. W. Woodall. No. 1,065,572; June 24; Gaz. vol. 191; p. 921.
- Coal-bin, Gravity. S. Otis. No. 1,052,945; Feb. 11; Gaz. vol. 187; p. 409.
- Coal-bins, Apparatus for automatically loading. J. W. Wortham. No. 1,083,042; Dec. 30; Gaz. vol. 197; p. 1197.
- Coal-boring machine. W. J. Hines. No. 1,060,840; May 6; Gaz. vol. 190; p. 95.
- Coal-breaker. W. Lloyd. No. 1,079,301; Nov. 18; Gaz. vol. 196; p. 771.
- Coal burner, Soft-. P. P. Cooley. No. 1,075,335; Oct. 14; Gaz. vol. 195; p. 284.
- Coal cleaning and separating machine. W. S. Ayres. No. 1,069,517; Aug. 5; Gaz. vol. 193; p. 148.
- Coal-conveyer. O. E. Barene. No. 1,082,391; Dec. 23; Gaz. vol. 197; p. 941.
- Coal-drill. W. H. Clarkson. No. 1,049,454; Jan. 7; Gaz. vol. 186; p. 46.
- Coal-drill. J. G. Huntley. No. 1,055,464; Mar. 11; Gaz. vol. 188; p. 310.
- Coal-drilling-machine boxing. A. F. Deruy. No. 1,079,289; Nov. 18; Gaz. vol. 196; p. 766.

Alphabetical list of inventions—Continued.

- Coal from water, Freeing slack. C. Simon. No. 1,063,296; June 3; Gaz. vol. 191; p. 43.
- Coal, Hand-machine to undermine. A. Roe. No. 1,062,854; May 27; Gaz. vol. 190; p. 892.
- Coal-handling apparatus. A. C. Johnston. No. 1,069,431; Aug. 5; Gaz. vol. 193; p. 120.
- Coal-handling system. W. E. Hamilton. No. 1,050,272; Jan. 14; Gaz. vol. 186; p. 357.
- Coal-hod attachment. R. I. Alverson. No. 1,082,483; Dec. 30; Gaz. vol. 197; p. 1003.
- Coal-hopper for windows and the like. W. H. Taylor. No. 1,061,427; May 13; Gaz. vol. 190; p. 331.
- Coal-jigger. C. Simon. No. 1,082,102; Dec. 23; Gaz. vol. 197; p. 841.
- Coal-leveling machine. J. H. Huhn, E. H. Abraham, and J. S. Ham. No. 1,067,221; July 8; Gaz. vol. 192; p. 486.
- Coal-leveling machine. P. H. Douglas. No. 1,067,240; July 15; Gaz. vol. 192; p. 527.
- Coal-loading machine. A. Powell. No. 1,061,778; May 13; Gaz. vol. 190; p. 451.
- Coal, ore, and other granular or like materials, Machine for washing or separating. R. S. Benson. No. 1,069,223; Aug. 5; Gaz. vol. 193; p. 47.
- Coal screen and bin, Gravity. S. Otis. No. 1,052,946; Feb. 11; Gaz. vol. 187; p. 410.
- Coal-screen, Rotary. F. S. Converse. No. 1,079,543; Nov. 25; Gaz. vol. 196; p. 885.
- Coal-screening tower. G. E. Titcomb. No. 1,056,472; Mar. 18; Gaz. vol. 188; p. 683.
- Coal-separator. S. T. Pratt. No. 1,058,259; Apr. 8; Gaz. vol. 189; p. 341.
- Coal-separator. G. H. Elmore. No. 1,077,876; Nov. 4; Gaz. vol. 196; p. 217.
- Coal-transferring apparatus. C. Marcelle. No. 1,067,615; July 15; Gaz. vol. 192; p. 655.
- Coal-washer. J. B. Keenam. No. 1,073,992; Sept. 23; Gaz. vol. 194; p. 893.
- Coal-washer and ore-concentrator. A. C. Campbell. No. 1,065,213; June 17; Gaz. vol. 191; p. 759.
- Coaling apparatus. F. E. Davis. No. 1,051,699; Jan. 28; Gaz. vol. 186; p. 913.
- Coaling-station. A. B. B. Harris. No. 1,082,194; Dec. 23; Gaz. vol. 197; p. 871.
- Coaster. L. S. Murdock. No. 1,056,357; Mar. 18; Gaz. vol. 188; p. 642.
- Coaster-brake. E. M. Winfrey. No. 1,066,353; July 1; Gaz. vol. 192; p. 158.
- Coaster-brake for bicycles, motor-cycles, or the like. M. J. Wald. No. 1,058,280; Apr. 8; Gaz. vol. 189; p. 348.
- Coaster hub-brake. C. W. Svenson. No. 1,060,511; Apr. 29; Gaz. vol. 189; p. 1228.
- Coasting device. R. A. Hegel. No. 1,052,722; Feb. 11; Gaz. vol. 187; p. 330.
- Coasting device. D. Gingold. No. 1,075,250; Oct. 7; Gaz. vol. 195; p. 228.
- Coat. I. Kaiser. No. 1,059,542; Apr. 22; Gaz. vol. 189; p. 858.
- Coat. S. Bisceglia. No. 1,060,060; Apr. 29; Gaz. vol. 189; p. 1071.
- Coat. J. E. Oppenheimer. No. 1,061,945; May 13; Gaz. vol. 190; p. 506.
- Coat. E. B. Nathan. No. 1,065,384; June 24; Gaz. vol. 191; p. 856.
- Coat. A. Granstrom. No. 1,083,209; Dec. 30; Gaz. vol. 197; p. 1249.
- Coat and hat hanger. J. W. McKay and F. J. Smith. No. 1,069,713; Aug. 12; Gaz. vol. 193; p. 244.
- Coat-clamp. M. S. Kirby. No. 1,059,166; Apr. 15; Gaz. vol. 189; p. 692.
- Coat-closure. J. S. Snyder. No. 1,079,807; Nov. 25; Gaz. vol. 196; p. 980.
- Coat, Combination-. M. H. Schiller. No. 1,076,707; Oct. 28; Gaz. vol. 195; p. 841.
- Coat-hanger. J. Wallace. No. 1,059,649; Apr. 22; Gaz. vol. 189; p. 892.
- Coat-hanger. A. J. Gilsdorf. No. 1,073,599; Sept. 23; Gaz. vol. 194; p. 755.
- Coat, hat, and umbrella lock. R. H. Vesey. No. 1,068,951; July 29; Gaz. vol. 192; p. 1188.
- Coat, Rain-. J. H. and J. H. Brown. No. 1,055,703; Mar. 11; Gaz. vol. 188; p. 388.
- Coat, Scarf-. R. F. Cooper. No. 1,057,331; Mar. 25; Gaz. vol. 188; p. 1007.
- Coat, Storm-. A. J. and M. F. Vagas. No. 1,077,177; Oct. 28; Gaz. vol. 195; p. 999.
- Coated fabric. H. S. Mork. No. 1,062,725; May 27; Gaz. vol. 190; p. 849.
- Coating articles, Apparatus for. J. Nazel. No. 1,056,291; Mar. 18; Gaz. vol. 188; p. 621.
- Coating articles with pulverulent material. R. W. Lotz. No. 1,068,680; July 29; Gaz. vol. 192; p. 1092.
- Coating articles with pulverulent material, Apparatus for. C. Doering, Jr. No. 1,068,863; July 29; Gaz. vol. 192; p. 1157.
- Coating articles with pulverulent material, Apparatus for. C. Doering, Jr. No. 1,068,864; July 29; Gaz. vol. 192; p. 1157.
- Coating composition. M. R. Isaacs. No. 1,063,974; June 10; Gaz. vol. 191; p. 309.
- Coating-machine. E. E. Claussen and E. A. Claus. No. 1,055,320; Mar. 11; Gaz. vol. 188; p. 259.
- Coating machine, Automatic article-. T. A. De Vilbiss. No. 1,070,428; Aug. 19; Gaz. vol. 193; p. 532.
- Coating machines, Article-holder for liquid-. R. A. Beausejour. No. 1,072,810; Sept. 9; Gaz. vol. 194; p. 420.
- Coating metal articles, Flux for. S. Edwards. No. 1,063,248; June 3; Gaz. vol. 191; p. 27.
- Coating metal articles with other minerals. W. G. Clark. No. 1,061,164; May 6; Gaz. vol. 190; p. 206.
- Coating objects with subdivided material, Apparatus for. F. F. Bradley. No. 1,068,732; July 29; Gaz. vol. 192; p. 1109.
- Coating objects with subdivided material, Apparatus for. F. F. Bradley. No. 1,068,733; July 29; Gaz. vol. 192; p. 1110.
- Coating objects with subdivided material, Apparatus for. F. F. Bradley. No. 1,068,734; July 29; Gaz. vol. 192; p. 1110.
- Coating objects with subdivided material, Apparatus for. F. F. Bradley. No. 1,068,735; July 29; Gaz. vol. 192; p. 1111.
- Coating objects with subdivided material, Apparatus for. F. F. Bradley. No. 1,068,736; July 29; Gaz. vol. 192; p. 1111.
- Coating slides, Composition for. S. H. Deuel. No. 1,055,720; Mar. 11; Gaz. vol. 188; p. 393.
- Coating strips of metal, wire, and the like under continuous action, Apparatus for uniformly. F. Werth. No. 1,065,090; June 17; Gaz. vol. 191; p. 721.
- Coating vessels suitable for containing oil and oleaginous products, Internally. C. Wenzelburger. No. 1,049,626; Jan. 7; Gaz. vol. 186; p. 107.
- Coatshirt and drawers, Combination. G. Jacoby. No. 1,065,252; June 17; Gaz. vol. 191; p. 774.
- Cock and drain-valve, Stop-. J. F. Lamping. No. 1,067,259; July 15; Gaz. vol. 192; p. 534.
- Cock and operating mechanism therefor, Train-pipe. E. B. Dunkel and F. S. Bowman. No. 1,079,847; Nov. 25; Gaz. vol. 196; p. 993.
- Cock and steam-chest relief-valve, Cylinder-. J. R. McCumber and T. G. Fulcher. No. 1,063,164; May 27; Gaz. vol. 190; p. 994.
- Cock, Automatic shut-off. C. D. Blackman. No. 1,050,423; Jan. 14; Gaz. vol. 186; p. 410.
- Cock, Ball-. W. S. Rice. No. 1,067,273; July 15; Gaz. vol. 192; p. 539.
- Cock, Ball-. E. L. Delany. No. 1,070,234; Aug. 12; Gaz. vol. 193; p. 424.
- Cock, Basin-. E. G. Watrous. No. 1,063,230; June 3; Gaz. vol. 191; p. 21.
- Cock, Blow-off. F. H. Smith. No. 1,070,741; Aug. 19; Gaz. vol. 193; p. 639.
- Cock cleaner, Gage and water-glass. A. C. Hinckley. No. 1,069,013; July 29; Gaz. vol. 192; p. 1207.
- Cock, Combination-. C. H. Pitt. No. 1,077,231; Oct. 28; Gaz. vol. 195; p. 1018.
- Cock, Combination plug-. E. J. Mougette. No. 1,054,020; Feb. 25; Gaz. vol. 187; p. 856.
- Cock, Combined bath and shower. C. L. Glass. No. 1,064,966; June 17; Gaz. vol. 191; p. 681.
- Cock for motor-vehicles, Stop-. J. Mazuel. No. 1,075,429; Oct. 14; Gaz. vol. 195; p. 317.
- Cock, Gage-. G. J. Hatz. No. 1,051,106; Jan. 21; Gaz. vol. 186; p. 681.
- Cock, Gage-. J. T. Langley and E. Thomas. No. 1,051,899; Feb. 4; Gaz. vol. 187; p. 18.
- Cock, Gage-. H. B. Robinson. No. 1,063,390; June 3; Gaz. vol. 191; p. 75.
- Cock, Gage-. J. R. Wheary. No. 1,064,409; June 10; Gaz. vol. 191; p. 459.
- Cock, Gage-. S. C. Staley. No. 1,067,945; July 22; Gaz. vol. 192; p. 799.
- Cock, Gage-. H. C. Gibbs and M. Gangler. No. 1,068,333; July 22; Gaz. vol. 192; p. 934.
- Cock, Gage-. T. W. Griffin and C. J. Rathes. No. 1,070,453; Aug. 19; Gaz. vol. 193; p. 540.
- Cock, Gage-. L. P. Welfey. No. 1,076,727; Oct. 28; Gaz. vol. 195; p. 848.
- Cock, Gage-. W. A. Dittmer. No. 1,080,426; Dec. 2; Gaz. vol. 197; p. 180.
- Cock, Gage-. W. A. Kitts, Jr. No. 1,081,968; Dec. 23; Gaz. vol. 197; p. 795.
- Cock gage, Gas-. J. Lample. No. 1,065,815; June 24; Gaz. vol. 191; p. 1002.
- Cock, Gas-. T. J. Little, Jr. No. 1,055,060; Mar. 4; Gaz. vol. 188; p. 138.
- Cock, Gas-. A. R. Pyle. No. 1,078,875; Nov. 18; Gaz. vol. 196; p. 627.
- Cock holder, Angle-. H. A. Wahlert. No. 1,064,112; June 10; Gaz. vol. 191; p. 357.
- Cock, Locomotive-boiler frost-. H. Jagielski and J. J. Holohan. No. 1,080,973; Dec. 9; Gaz. vol. 197; p. 398.
- Cock-operating device, Gas-. A. H. Humphrey. (Reissue.) No. 13,552; Apr. 15; Gaz. vol. 189; p. 750.
- Cock or valve for vacuum pipe systems, Stop-. O. Schaller. No. 1,060,791; May 6; Gaz. vol. 190; p. 77.
- Cock, Plug-. J. Matschke. No. 1,067,747; July 15; Gaz. vol. 192; p. 700.

Alphabetical list of inventions—Continued.

- Cock-seat dresser-guide, Ball. G. W. Redeker. No. 1,073,362; Sept. 16; Gaz. vol. 194; p. 654.
- Cock, Steam-boiler gage. H. W. Hoover. No. 1,072,850; Sept. 9; Gaz. vol. 194; p. 434.
- Cock, Stop and waste or drain. W. E. Burke. No. 1,073,953; Sept. 23; Gaz. vol. 194; p. 879.
- Cock, Stub. T. F. Flannery. No. 1,057,337; Mar. 25; Gaz. vol. 188; p. 1008.
- Cock, Telescopic bib. E. A. Fountain. No. 1,080,273; Dec. 2; Gaz. vol. 197; p. 125.
- Cock, Water. A. Regas, W. Herrmann, and A. Moser. No. 1,071,462; Aug. 26; Gaz. vol. 193; p. 911.
- Cock, Water-gage. C. D. Donovan. No. 1,069,929; Aug. 12; Gaz. vol. 193; p. 319.
- Cock, Water-gage. D. Davies. No. 1,078,420; Nov. 11; Gaz. vol. 196; p. 439.
- Cocks, Device for operating cut-out. R. E. Adreon. No. 1,075,803; Oct. 14; Gaz. vol. 195; p. 445.
- Cocks, valves, and the like from a distance, Means for operating. J. M. F. H. Gil. No. 1,074,428; Sept. 30; Gaz. vol. 194; p. 1066.
- Cocoa-cooler. P. G. Hollstein. No. 1,065,448; June 24; Gaz. vol. 191; p. 879.
- Cocoa derivative and separating constituents of the cacao bean. R. N. Riddle. No. 1,073,441; Sept. 16; Gaz. vol. 194; p. 681.
- Cocoa fluffer, mixer, and cooler, Powdered. P. G. Hollstein. No. 1,050,738; Jan. 14; Gaz. vol. 186; p. 515.
- Cocoa roaster, Pulverized. P. G. Hollstein. No. 1,055,175; Mar. 4; Gaz. vol. 188; p. 174.
- Cocoa, Treating. H. B. Hunter. No. 1,076,122; Oct. 21; Gaz. vol. 195; p. 583.
- Coffee-beans for the elimination of deleterious constituents thereof, Treating. F. Schmidt. No. 1,069,982; Aug. 12; Gaz. vol. 193; p. 336.
- Coffee-beans, Means for removing pulp from. J. M. Urgellés. No. 1,066,344; July 1; Gaz. vol. 192; p. 155.
- Coffee extract, Making. J. T. Davis. No. 1,079,474; Nov. 25; Gaz. vol. 196; p. 862.
- Coffee-extract tablets, Making. G. Völckers. No. 1,058,279; Apr. 8; Gaz. vol. 189; p. 347.
- Coffee grinder, cleaner, and separator. A. M. Holton. No. 1,069,064; July 29; Gaz. vol. 192; p. 1224.
- Coffee-machine. C. Nelson. No. 1,054,234; Feb. 25; Gaz. vol. 187; p. 930.
- Coffee-machine. C. Nelson. No. 1,056,048; Mar. 18; Gaz. vol. 188; p. 539.
- Coffee-machine. C. Nelson. No. 1,056,049; Mar. 18; Gaz. vol. 188; p. 539.
- Coffee-machine. C. Nelson. No. 1,057,764; Apr. 1; Gaz. vol. 189; p. 124.
- Coffee-machine. C. Nelson. No. 1,080,774; Dec. 9; Gaz. vol. 197; p. 329.
- Coffee-making apparatus. A. Reichert. No. 1,075,727; Oct. 14; Gaz. vol. 195; p. 419.
- Coffee-making machine. M. G. De Simone. No. 1,063,188; June 3; Gaz. vol. 191; p. 7.
- Coffee-mill chaff-separator. B. Nordin. No. 1,052,616; Feb. 11; Gaz. vol. 187; p. 296.
- Coffee or coffee substitute, Cereal. J. H. Kellogg. No. 1,069,265; Aug. 5; Gaz. vol. 193; p. 63.
- Coffee or coffee substitute, Cereal. J. H. Kellogg. No. 1,069,266; Aug. 5; Gaz. vol. 193; p. 63.
- Coffee or coffee substitute, Cereal. J. H. Kellogg. No. 1,069,267; Aug. 5; Gaz. vol. 193; p. 64.
- Coffee or coffee substitute, Cereal. J. H. Kellogg. No. 1,069,268; Aug. 5; Gaz. vol. 193; p. 64.
- Coffee or tea pot. E. Bohman. No. 1,079,830; Nov. 25; Gaz. vol. 196; p. 987.
- Coffee-pot. J. E. Johnson. No. 1,059,049; Apr. 15; Gaz. vol. 189; p. 652.
- Coffee-pot. H. L. Johnston. No. 1,073,688; Sept. 23; Gaz. vol. 194; p. 789.
- Coffee-pot. M. Howell. No. 1,083,211; Dec. 30; Gaz. vol. 197; p. 1249.
- Coffee-pot attachment. B. Darlington. No. 1,053,015; Feb. 11; Gaz. vol. 187; p. 432.
- Coffee, &c., Refining-machine for. H. L. Johnston. No. 1,080,066; Dec. 2; Gaz. vol. 197; p. 52.
- Coffee-roaster. J. Tremoulhac. No. 1,064,943; June 17; Gaz. vol. 191; p. 672.
- Coffee, spice mills, and the like, Feed-regulator for. P. Runkel. No. 1,076,153; Oct. 21; Gaz. vol. 195; p. 592.
- Coffee substitute or cereal coffee and preparing the same. J. L. Kellogg. No. 1,059,471; Apr. 22; Gaz. vol. 189; p. 834.
- Coffee, tea, or the like, Device for making. B. Bodascher. No. 1,068,212; July 22; Gaz. vol. 192; p. 891.
- Coffee-urn. J. N. Shaw. No. 1,078,171; Nov. 11; Gaz. vol. 196; p. 351.
- Coffer-dam. I. B. Libbey. No. 1,057,859; Apr. 1; Gaz. vol. 189; p. 160.
- Coffer-dam. F. J. MacIsaac. No. 1,075,361; Oct. 14; Gaz. vol. 195; p. 293.
- Coffer-dam. N. F. Ambursen. No. 1,077,212; Oct. 28; Gaz. vol. 195; p. 1012.
- Coffin. J. G. Massie. No. 1,068,795; July 29; Gaz. vol. 192; p. 1132.
- Coffin. W. F. Moore. No. 1,077,421; Nov. 4; Gaz. vol. 196; p. 64.
- Cogs, Holding device for. W. Jenkins. No. 1,056,687; Mar. 18; Gaz. vol. 188; p. 756.
- Coil-forming apparatus. J. A. Burns. No. 1,082,494; Dec. 30; Gaz. vol. 197; p. 1007.
- Coils, Making. R. Varley. No. 1,073,059; Sept. 9; Gaz. vol. 194; p. 510.
- Coin-actuated change-machine. T. I. Potter. No. 1,063,589; June 3; Gaz. vol. 191; p. 142.
- Coin-actuated mechanism. E. Richter. No. 1,078,381; Nov. 11; Gaz. vol. 196; p. 426.
- Coin-actuated mechanism. E. Richter. No. 1,078,382; Nov. 11; Gaz. vol. 196; p. 426.
- Coin-assorter. E. Harralson. No. 1,076,113; Oct. 21; Gaz. vol. 195; p. 580.
- Coin-changing machine. A. K. Collins. No. 1,055,138; Mar. 4; Gaz. vol. 188; p. 164.
- Coin-chute. G. A. Long. No. 1,061,093; May 6; Gaz. vol. 190; p. 182.
- Coin-clip. W. Broadberry. No. 1,053,704; Feb. 18; Gaz. vol. 187; p. 715.
- Coin-collector. D. C. Tanner. No. 1,057,507; Apr. 1; Gaz. vol. 189; p. 38.
- Coin-collector. G. L. Kline. No. 1,059,374; Apr. 22; Gaz. vol. 189; p. 800.
- Coin-collector. W. F. Hosford. No. 1,076,285; Oct. 21; Gaz. vol. 195; p. 637.
- Coin-container. J. A. Harrington. No. 1,070,958; Aug. 19; Gaz. vol. 193; p. 707.
- Coin-containers of paying-machines, Apparatus for charging the. E. Janik. No. 1,068,661; July 29; Gaz. vol. 192; p. 1085.
- Coin-controlled apparatus. G. H. Fullington. No. 1,050,358; Jan. 14; Gaz. vol. 186; p. 387.
- Coin-controlled device, Electric. F. E. Dodge and N. M. Loomis. No. 1,074,496; Sept. 30; Gaz. vol. 194; p. 1087.
- Coin-controlled lock. J. A. Horne. No. 1,055,178; Mar. 4; Gaz. vol. 188; p. 175.
- Coin-controlled lock. S. J. Kelly. (Reissue.) No. 13,587; July 1; Gaz. vol. 192; p. 193.
- Coin-controlled lock. G. E. Clawson and R. E. Ferris. No. 1,070,408; Aug. 19; Gaz. vol. 193; p. 525.
- Coin-controlled lock. W. S. Farnsworth. No. 1,076,822; Oct. 28; Gaz. vol. 195; p. 881.
- Coin-controlled machine. O. B. Phillips. No. 1,077,747; Nov. 4; Gaz. vol. 196; p. 173.
- Coin-controlled mechanism. G. L. Reichhelm. (Reissue.) No. 13,549; Apr. 1; Gaz. vol. 189; p. 216.
- Coin-controlled mechanism. E. J. Orndorf. No. 1,077,293; Nov. 4; Gaz. vol. 196; p. 17.
- Coin-controlled mechanism. J. E. Allison. No. 1,081,562; Dec. 16; Gaz. vol. 197; p. 632.
- Coin counting and packaging device. G. Wiberg. No. 1,071,194; Aug. 26; Gaz. vol. 193; p. 821.
- Coin counting and selecting machine. C. L. Lilleberg. No. 1,049,500; Jan. 7; Gaz. vol. 186; p. 61.
- Coin-counting machine. H. K. Smith. No. 1,080,381; Dec. 2; Gaz. vol. 197; p. 164.
- Coin-counting machine. A. C. O. Bock. No. 1,080,533; Dec. 9; Gaz. vol. 197; p. 247.
- Coin-delivery machine. E. J. Brandt. No. 1,068,307; July 22; Gaz. vol. 192; p. 924.
- Coin-delivery machine. E. J. Brandt. No. 1,068,308; July 22; Gaz. vol. 192; p. 925.
- Coin-handling machine. C. M. Grey. No. 1,081,958; Dec. 23; Gaz. vol. 197; p. 791.
- Coin-holder. W. A. Lewis. No. 1,061,551; May 13; Gaz. vol. 190; p. 376.
- Coin-holder. C. A. Stearns. No. 1,083,149; Dec. 30; Gaz. vol. 197; p. 1231.
- Coin-operated lock. E. E. Pyle. No. 1,051,007; Jan. 21; Gaz. vol. 186; p. 647.
- Coin-operated mechanism. P. Wiggen. No. 1,077,962; Nov. 4; Gaz. vol. 196; p. 248.
- Coin-operated mechanism. H. Fachs. No. 1,080,626; Dec. 9; Gaz. vol. 197; p. 277.
- Coin-package. R. P. Wilton. No. 1,076,400; Oct. 21; Gaz. vol. 195; p. 678.
- Coin-package. W. H. Young and R. P. Wilton. No. 1,076,474; Oct. 21; Gaz. vol. 195; p. 705.
- Coin-package wrapper. C. S. Batdorf. No. 1,073,575; Sept. 16; Gaz. vol. 194; p. 726.
- Coin-packaging device. P. E. Bisland. No. 1,077,968; Nov. 11; Gaz. vol. 196; p. 281.
- Coin-registering mechanism. W. H. Hall. No. 1,075,972; Oct. 14; Gaz. vol. 195; p. 503.
- Coin-selecting device. F. Burton. No. 1,058,946; Apr. 15; Gaz. vol. 189; p. 616.
- Coin-selecting mechanism. H. A. Bullard. No. 1,050,336; Jan. 14; Gaz. vol. 186; p. 380.
- Coin-separator. H. H. Campbell and W. C. Fellows. No. 1,066,076; July 1; Gaz. vol. 192; p. 61.
- Coin-sorter. B. Haynie. No. 1,070,601; Aug. 19; Gaz. vol. 193; p. 591.
- Coin-wrapper. F. Wachsmuth. No. 1,057,512; Apr. 1; Gaz. vol. 189; p. 40.
- Coins or the like into equal lots, Apparatus for automatically and continuously collecting counted. G. Wiberg. No. 1,071,285; Aug. 26; Gaz. vol. 193; p. 852.

Alphabetical list of inventions—Continued.

- Coke and gas making apparatus. W. M. Carr. No. 1,070,666; Aug. 19; Gaz. vol. 193; p. 613.
- Coke conveying and screening mechanism. T. J. Mitchell. No. 1,082,757; Dec. 30; Gaz. vol. 197; p. 1101.
- Coke-drawing apparatus. J. Hayes. No. 1,079,126; Nov. 18; Gaz. vol. 196; p. 714.
- Coke from wood-tar, Production of. F. W. Lefelmann. No. 1,064,350; June 10; Gaz. vol. 191; p. 438.
- Coke-handling apparatus. W. Feicks. No. 1,055,456; Mar. 11; Gaz. vol. 188; p. 307.
- Coke-loader. P. R. Jordan and W. Wright. No. 1,072,731; Sept. 9; Gaz. vol. 194; p. 391.
- Coke-oven. H. Koppers. No. 1,051,372; Jan. 21; Gaz. vol. 186; p. 769.
- Coke-oven. W. M. Person. No. 1,079,062; Nov. 18; Gaz. vol. 196; p. 692.
- Coke-oven door. T. J. Mitchell and J. A. McCreary. No. 1,050,677; Jan. 14; Gaz. vol. 186; p. 496.
- Coke-oven door. H. Kickert. No. 1,072,857; Sept. 9; Gaz. vol. 194; p. 437.
- Coke-oven heat, Apparatus for utilizing. E. C. Morgan. No. 1,054,859; Mar. 4; Gaz. vol. 188; p. 72.
- Coke-oven heat, Apparatus for utilizing. E. C. Morgan. No. 1,054,860; Mar. 4; Gaz. vol. 188; p. 72.
- Coke-oven or gas-furnace. W. Feicks. No. 1,051,875; Feb. 4; Gaz. vol. 187; p. 9.
- Coke-oven, Retort. C. H. Hughes. No. 1,055,536; Mar. 11; Gaz. vol. 188; p. 332.
- Coke-oven steam-generator. J. H. Morgan. No. 1,050,679; Jan. 14; Gaz. vol. 186; p. 496.
- Coke quenching and conveying apparatus. A. Brunner and W. Schöndeling. No. 1,077,255; Nov. 4; Gaz. vol. 196; p. 5.
- Coke-quenching apparatus. W. Reubold. No. 1,065,081; June 17; Gaz. vol. 191; p. 718.
- Colander. S. E. Boyd. No. 1,073,732; Sept. 23; Gaz. vol. 194; p. 805.
- Cold-storage apparatus, Window. C. Hasenpflug and H. Brandau. No. 1,052,247; Feb. 4; Gaz. vol. 187; p. 140.
- Collapsible box. J. H. Fash. No. 1,063,424; June 3; Gaz. vol. 191; p. 86.
- Collapsible box. A. H. Wilson. No. 1,063,488; June 3; Gaz. vol. 191; p. 107.
- Collapsible box. A. A. Fordon and G. L. Morrison. No. 1,075,706; Oct. 14; Gaz. vol. 195; p. 412.
- Collapsible box. D. H. Maguire. No. 1,080,643; Dec. 9; Gaz. vol. 197; p. 282.
- Collapsible flexible box. G. Roerig. No. 1,055,799; Mar. 11; Gaz. vol. 188; p. 421.
- Collapsible or knockdown box. J. W. Weiss. No. 1,063,845; June 3; Gaz. vol. 191; p. 232.
- Collapsible stand. E. M. Atkinson. No. 1,079,385; Nov. 25; Gaz. vol. 196; p. 832.
- Collapsible table. A. A. Griffin. No. 1,057,545; Apr. 1; Gaz. vol. 189; p. 50.
- Collapsible tube. J. M. Johnson. No. 1,056,795; Mar. 25; Gaz. vol. 188; p. 824.
- Collapsible tube. B. E. Linfoot. No. 1,069,796; Aug. 12; Gaz. vol. 193; p. 274.
- Collapsible-tube and the like closure. H. M. Russell, Jr. No. 1,081,555; Dec. 16; Gaz. vol. 197; p. 629.
- Collar. A. H. Parsons. No. 1,056,443; Mar. 18; Gaz. vol. 188; p. 673.
- Collar. A. Montgomery. No. 1,057,259; Mar. 25; Gaz. vol. 188; p. 985.
- Collar. M. Komura. No. 1,059,170; Apr. 15; Gaz. vol. 189; p. 693.
- Collar. G. H. Bristol. No. 1,069,760; Aug. 12; Gaz. vol. 193; p. 261.
- Collar. H. C. Fletcher. No. 1,079,696; Nov. 25; Gaz. vol. 196; p. 939.
- Collar. W. G. Kennedy. No. 1,081,121; Dec. 9; Gaz. vol. 197; p. 444.
- Collar and fastening means therefor, Combined separable. J. McLellan. No. 1,081,273; Dec. 9; Gaz. vol. 197; p. 496.
- Collar attachment. H. Roeder. No. 1,073,710; Sept. 23; Gaz. vol. 194; p. 798.
- Collar attachment. C. R. Whitman. No. 1,079,085; Nov. 18; Gaz. vol. 196; p. 700.
- Collar attachment. P. Harrison. No. 1,082,517; Dec. 30; Gaz. vol. 197; p. 1015.
- Collar attachment, Adjustable horse-. M. Nilsson. No. 1,078,802; Nov. 18; Gaz. vol. 196; p. 603.
- Collar attachment, Harness-. C. W. Parsons. No. 1,065,547; June 24; Gaz. vol. 191; p. 912.
- Collar-band for shirts. C. O. Johnson. No. 1,062,468; May 20; Gaz. vol. 190; p. 723.
- Collar-blanks, &c., Machine for folding. J. Maitland and W. J. Beattie. No. 1,071,677; Aug. 26; Gaz. vol. 193; p. 981.
- Collar-clamps, &c., Wrought-metal ring for. J. Clark. No. 1,062,438; May 20; Gaz. vol. 190; p. 712.
- Collar-clip. H. A. and M. Goldberg. No. 1,057,821; Apr. 1; Gaz. vol. 189; p. 147.
- Collar, Contractible. J. F. Keenan. No. 1,054,353; Feb. 25; Gaz. vol. 187; p. 970.
- Collar, Convertible. L. E. Scoll. No. 1,051,019; Jan. 21; Gaz. vol. 186; p. 651.
- Collar-fastener. J. E. Fitzgerald. No. 1,080,819; Dec. 9; Gaz. vol. 197; p. 347.
- Collar-fastener. A. C. Woodward. No. 1,081,075; Dec. 9; Gaz. vol. 197; p. 429.
- Collar-fastener and necktie-guiding device, Combined. W. Birdsall. No. 1,076,622; Oct. 21; Gaz. vol. 195; p. 758.
- Collar-fastener and necktie-holder, Combined. J. Weinberg. No. 1,083,167; Dec. 30; Gaz. vol. 197; p. 1236.
- Collar fastener, Soft-. J. C. and J. A. Doran. No. 1,059,353; Apr. 22; Gaz. vol. 189; p. 792.
- Collar-fastening. A. H. Hawkanson. No. 1,055,634; Mar. 11; Gaz. vol. 188; p. 364.
- Collar, Fold-. J. McKay. No. 1,070,977; Aug. 19; Gaz. vol. 193; p. 714.
- Collar for horses, Draft-. H. S. Baughman. No. 1,073,657; Sept. 23; Gaz. vol. 194; p. 777.
- Collar-holding device. W. G. Robinson. No. 1,079,024; Nov. 18; Gaz. vol. 196; p. 679.
- Collar, Horse-. H. Hill. No. 1,054,546; Feb. 25; Gaz. vol. 187; p. 1036.
- Collar, Horse-. H. S. Baughman. No. 1,059,813; Apr. 22; Gaz. vol. 189; p. 946.
- Collar, Horse-. F. Andrews. No. 1,062,684; May 27; Gaz. vol. 190; p. 836.
- Collar, Horse-. J. G. Friberg. No. 1,067,018; July 8; Gaz. vol. 192; p. 414.
- Collar, Horse-. E. Mathis. No. 1,074,887; Oct. 7; Gaz. vol. 195; p. 101.
- Collar, Horse-. W. P. Gelabert. No. 1,078,140; Nov. 11; Gaz. vol. 196; p. 340.
- Collar, Horse-. J. Lévy. No. 1,082,347; Dec. 23; Gaz. vol. 197; p. 927.
- Collar, Horse and mule. J. H. Hart. No. 1,051,104; Jan. 21; Gaz. vol. 186; p. 680.
- Collar, Inflatable horse-. J. F. Pruden. No. 1,080,848; Dec. 9; Gaz. vol. 197; p. 357.
- Collar-package. N. J. Goodman. No. 1,057,419; Apr. 1; Gaz. vol. 189; p. 10.
- Collar-packager. W. E. Carter. No. 1,064,708; June 17; Gaz. vol. 191; p. 597.
- Collar pad, Horse-. E. C. Enloe. No. 1,056,784; Mar. 25; Gaz. vol. 188; p. 821.
- Collar-pad, Sweat. J. M. Eilers. No. 1,080,901; Dec. 9; Gaz. vol. 197; p. 373.
- Collar, Pneumatic horse-. F. Batcheler. No. 1,063,407; June 3; Gaz. vol. 191; p. 81.
- Collar, Shirt-. B. Sunshine. No. 1,063,747; June 3; Gaz. vol. 191; p. 200.
- Collar, Soft fold-. H. F. Hurd. No. 1,073,132; Sept. 16; Gaz. vol. 194; p. 572.
- Collar-straps and neck-yokes, Coupling for. G. L. Walberg. No. 1,066,169; July 1; Gaz. vol. 192; p. 94.
- Collar-stuffing machine, Horse-. H. E. Doane. No. 1,069,769; Aug. 12; Gaz. vol. 193; p. 264.
- Collar-support. D. Basch. No. 1,052,401; Feb. 4; Gaz. vol. 187; p. 190.
- Collar-support. M. B. Sweigart. No. 1,062,746; May 27; Gaz. vol. 190; p. 856.
- Collar-supporter. L. B. Laridon. No. 1,060,847; May 6; Gaz. vol. 190; p. 98.
- Collar-supporter. C. Poulain. No. 1,080,526; Dec. 2; Gaz. vol. 197; p. 213.
- Collar-supporting device. N. G. Burgster. No. 1,059,826; Apr. 22; Gaz. vol. 189; p. 950.
- Collar-tab, Detachable. C. P. Band. No. 1,075,394; Oct. 14; Gaz. vol. 195; p. 307.
- Collar, Turn-down. C. O. Buttrick. No. 1,064,705; June 17; Gaz. vol. 196; p. 596.
- Collars and cuffs, Combined moistener, ironer, and shaper for. L. R. Heim. No. 1,069,548; Aug. 5; Gaz. vol. 193; p. 159.
- Collars, Making. H. Whiting. No. 1,066,967; July 8; Gaz. vol. 192; p. 399.
- Collars, Making. A. J. Cumnock. No. 1,073,080; Sept. 9; Gaz. vol. 194; p. 518.
- Collector. M. P. Reynolds. No. 1,082,766; Dec. 30; Gaz. vol. 197; p. 1105.
- Collier. C. Pasquier. No. 1,059,201; Apr. 15; Gaz. vol. 189; p. 705.
- Colloidal compounds, Preparation containing. C. Paal and C. Amberger. No. 1,077,891; Nov. 4; Gaz. vol. 196; p. 223.
- Colloidal metals, Production of. H. Crookes. No. 1,059,841; Apr. 22; Gaz. vol. 189; p. 954.
- Colophony and colophony-soap, Making. J. Aktschourin. No. 1,074,339; Sept. 30; Gaz. vol. 194; p. 1036.
- Color, Azo. K. Desamari. No. 1,051,565; Jan. 28; Gaz. vol. 186; p. 869.
- Color-comparer. R. W. Hochstetter. No. 1,070,891; Aug. 19; Gaz. vol. 193; p. 686.
- Color-lakes. H. Wagner and J. Kohlhaas. No. 1,071,832; Sept. 2; Gaz. vol. 194; p. 57.
- Color-screens, Manufacture of. C. Späth. No. 1,081,341; Dec. 16; Gaz. vol. 197; p. 557.
- Color-screens, Manufacturing. C. Späth. No. 1,069,039; July 29; Gaz. vol. 192; p. 1216.
- Colors in harmony or contrast, Means for showing. H. S. Griffin. No. 1,057,546; Apr. 1; Gaz. vol. 189; p. 51.
- Colors suitable for use as pigments, Azo. H. Clingestien. No. 1,076,819; Oct. 28; Gaz. vol. 195; p. 880.

Alphabetical list of inventions—Continued.

- Coloring-machine for apertures in belts and similar articles. R. Scheuer. No. 1,062,257; May 20; Gaz. vol. 190; p. 654.
- Coloring-matter, Azo. O. Günther. No. 1,074,429; Sept. 30; Gaz. vol. 194; p. 1066.
- Coloring-matter, Azo. E. Ulrichs. No. 1,077,655; Nov. 4; Gaz. vol. 196; p. 143.
- Coloring-matter, Blue-green vat. H. Wolff. No. 1,054,888; Mar. 4; Gaz. vol. 188; p. 81.
- Coloring-matter containing sulfur, Green. J. Flachslaender, K. P. Gräler, and M. Buff. No. 1,081,599; Dec. 16; Gaz. vol. 197; p. 643.
- Coloring-matter, Diazotizable. W. Bergdolt. No. 1,052,647; Feb. 11; Gaz. vol. 187; p. 307.
- Coloring-matters and making same, Anthracene. M. H. Isler and P. Nawiasky. No. 1,057,243; Mar. 25; Gaz. vol. 188; p. 979.
- Coloring-matters, Brown sulfur. J. Flachslaender, K. P. Gräler, and M. Buff. No. 1,081,602; Dec. 16; Gaz. vol. 197; p. 644.
- Coloring-matters containing sulfur, Blue. A. Lüttringhaus, H. von Diesbach, and E. Schwarz. No. 1,083,110; Dec. 30; Gaz. vol. 197; p. 1219.
- Coloring-matters, Manufacture of. O. Siepermann. No. 1,073,784; Sept. 23; Gaz. vol. 194; p. 822.
- Coloring-matters of the anthraquinone series. M. H. Isler. No. 1,062,975; May 27; Gaz. vol. 190; p. 932.
- Coloring of material. L. Schulhof. No. 1,051,456; Jan. 28; Gaz. vol. 186; p. 831.
- Coloring process. A. M. Sandig. No. 1,067,198; July 8; Gaz. vol. 192; p. 477.
- Colter-cleaner. H. J. Boelter. No. 1,080,677; Dec. 9; Gaz. vol. 197; p. 294.
- Colter mounting, Disk-. E. B. Wills. No. 1,069,636; Aug. 5; Gaz. vol. 193; p. 188.
- Colter, Plow-. J. S. Stephens. No. 1,050,313; Jan. 14; Gaz. vol. 186; p. 371.
- Column. J. F. May. No. 1,083,120; Dec. 30; Gaz. vol. 197; p. 1223.
- Column and ceiling mold. P. A. and L. P. Deslauriers. No. 1,050,816; Jan. 21; Gaz. vol. 186; p. 578.
- Column cap or base. J. Lally. No. 1,071,523; Aug. 26; Gaz. vol. 193; p. 931.
- Column-clamp. F. Kees. No. 1,057,742; Apr. 1; Gaz. vol. 189; p. 118.
- Column-staves, Machine for cutting. C. E. Zimmermann. No. 1,054,073; Feb. 25; Gaz. vol. 187; p. 874.
- Columns, ferroconcrete pillars, and the like, Reinforcement of. R. and W. A. Thomson. No. 1,065,321; June 17; Gaz. vol. 191; p. 797.
- Comb. See Atomizer-comb; Currycomb; Electrically-heated comb; Fountain-comb; Hair-comb; Plow-comb; Sanitary comb; Scalp-ionic comb; Toilet or like comb.
- Comb. D. L. Edwards. No. 1,051,714; Jan. 28; Gaz. vol. 186; p. 918.
- Comb. A. E. Scott. No. 1,055,948; Mar. 11; Gaz. vol. 188; p. 470.
- Comb. D. W. Hively. No. 1,057,549; Apr. 1; Gaz. vol. 189; p. 52.
- Comb. V. De Bassini. No. 1,059,282; Apr. 15; Gaz. vol. 189; p. 732.
- Comb. H. C. Battles. No. 1,069,054; July 29; Gaz. vol. 192; p. 1221.
- Comb. F. Pearce. No. 1,074,893; Oct. 7; Gaz. vol. 195; p. 103.
- Comb and barrette. J. A. Burlando. No. 1,052,310; Feb. 4; Gaz. vol. 187; p. 158.
- Comb and hair-cutter, Combined. R. Coates. No. 1,050,343; Jan. 14; Gaz. vol. 186; p. 382.
- Comb and tooth-brush holder, Combination. J. H. Freese. No. 1,061,831; May 13; Gaz. vol. 190; p. 467.
- Comb attachment. M. Alexandrescu. No. 1,057,109; Mar. 25; Gaz. vol. 188; p. 934.
- Comb-case. D. L. Edwards. No. 1,051,715; Jan. 28; Gaz. vol. 186; p. 918.
- Comb-cutting machine. P. H. Kirby. No. 1,082,877; Dec. 30; Gaz. vol. 197; p. 1142.
- Combining device, Chenille-weft fur or pile. W. T. Smith. No. 1,055,093; Mar. 4; Gaz. vol. 188; p. 150.
- Combining-machine. E. Delette. No. 1,058,160; Apr. 8; Gaz. vol. 189; p. 307.
- Combining-machine. J. Good and H. G. Kimball. No. 1,059,726; Apr. 22; Gaz. vol. 189; p. 918.
- Combining-machine. J. Good. No. 1,064,321; June 10; Gaz. vol. 191; p. 429.
- Combining-machine. J. Good. No. 1,074,788; Oct. 7; Gaz. vol. 195; p. 69.
- Combining-machine. J. Good. No. 1,077,526; Nov. 4; Gaz. vol. 196; p. 101.
- Combining-machine. J. Good. No. 1,078,618; Nov. 18; Gaz. vol. 196; p. 536.
- Combining-machine, Heilmann. E. Allsy. No. 1,051,362; Jan. 21; Gaz. vol. 186; p. 765.
- Combining-machine, Heilmann. J. C. A. Wenning. No. 1,056,137; Mar. 18; Gaz. vol. 188; p. 569.
- Combination-lock. O. Katzenberger. No. 1,049,868; Jan. 7; Gaz. vol. 186; p. 187.
- Combination-lock. F. Falato and A. Abate. No. 1,052,472; Feb. 11; Gaz. vol. 187; p. 248.
- Combination-lock. J. H. Hobson. No. 1,054,769; Mar. 4; Gaz. vol. 188; p. 40.
- Combination-lock. C. Turgeon. No. 1,058,814; Apr. 15; Gaz. vol. 189; p. 570.
- Combination-lock. J. B. Miller. No. 1,059,483; Apr. 22; Gaz. vol. 189; p. 838.
- Combination-lock. J. A. P. De Guise. No. 1,060,234; Apr. 29; Gaz. vol. 189; p. 1130.
- Combination-lock. W. M. Wheildon. No. 1,068,194; July 22; Gaz. vol. 192; p. 884.
- Combination-lock. M. Tamburini. No. 1,076,171; Oct. 21; Gaz. vol. 195; p. 598.
- Combination-lock. H. C. Stevens. No. 1,083,226; Dec. 30; Gaz. vol. 197; p. 1254.
- Combination-lock for plug-and-socket fixtures. G. I. Silbert. No. 1,073,295; Sept. 16; Gaz. vol. 194; p. 629.
- Combustion apparatus and gas-producer. G. H. Niles. No. 1,078,160; Nov. 11; Gaz. vol. 196; p. 347.
- Combustion-engine. L. Gentzen. No. 1,054,641; Feb. 25; Gaz. vol. 187; p. 1068.
- Combustion-engine. A. Winnier. No. 1,066,564; July 8; Gaz. vol. 192; p. 259.
- Combustion-engine. E. Schimanek. No. 1,068,173; July 22; Gaz. vol. 192; p. 877.
- Combustion-engine. G. Fornaca. No. 1,073,671; Sept. 23; Gaz. vol. 194; p. 782.
- Combustion-engine. H. Junkers. No. 1,077,718; Nov. 4; Gaz. vol. 196; p. 163.
- Combustion-engine. J. A. Charter. No. 1,081,017; Dec. 9; Gaz. vol. 197; p. 411.
- Combustion-engine. A. Baumann. No. 1,083,265; Dec. 30; Gaz. vol. 197; p. 1267.
- Commode. J. W. Sprint. No. 1,061,879; May 13; Gaz. vol. 190; p. 482.
- Commode, Bed-. L. M. Sayen. No. 1,054,452; Feb. 25; Gaz. vol. 187; p. 1004.
- Commode, Dry-closet. J. H. Mershon. No. 1,071,073; Aug. 26; Gaz. vol. 193; p. 781.
- Commode, Portable. I. Davidson. No. 1,053,363; Feb. 18; Gaz. vol. 187; p. 597.
- Communism set, Pocket. P. Tangjerd. No. 1,082,710; Dec. 30; Gaz. vol. 197; p. 1084.
- Commutator. W. G. Viall. No. 1,060,722; May 6; Gaz. vol. 190; p. 55.
- Commutator. J. Burke. No. 1,061,251; May 6; Gaz. vol. 190; p. 236.
- Commutator. R. E. Noble. No. 1,077,914; Nov. 4; Gaz. vol. 196; p. 230.
- Commutator-brush. T. W. Varley. No. 1,082,571; Dec. 30; Gaz. vol. 197; p. 1035.
- Commutator-brush for electric generators and motors. P. P. Nungesser. No. 1,067,620; July 15; Gaz. vol. 192; p. 657.
- Commutator for dynamo-electric machines. T. S. Scott. No. 1,075,502; Oct. 14; Gaz. vol. 195; p. 343.
- Commutator-motor. C. W. Fornander. No. 1,059,134; Apr. 15; Gaz. vol. 189; p. 682.
- Commutator-motor. H. K. Schrage. No. 1,079,994; Dec. 2; Gaz. vol. 197; p. 26.
- Commutator-slotter. F. R. Alley. No. 1,083,175; Dec. 30; Gaz. vol. 197; p. 1238.
- Commutator-trimming machine. T. E. Chappell. No. 1,072,410; Sept. 2; Gaz. vol. 194; p. 252.
- Commutator-truing device. F. G. Ludwig. No. 1,076,217; Oct. 21; Gaz. vol. 195; p. 614.
- Commutators, Machine for cutting out mica between segments of. W. Dickenson. No. 1,064,715; June 17; Gaz. vol. 191; p. 599.
- Commutators, Machine for operating on. S. D. Hartog. No. 1,070,888; Aug. 19; Gaz. vol. 193; p. 685.
- Compass and marking-gage, Combination. N. L. Kunkel. No. 1,078,862; Nov. 18; Gaz. vol. 196; p. 622.
- Compass, Gyroscopic. T. Bruger. No. 1,074,771; Oct. 7; Gaz. vol. 195; p. 64.
- Compass, Gyroscopic. L. F. Fuchs. No. 1,067,808; July 22; Gaz. vol. 192; p. 754.
- Compasses. J. J. Iacovino. No. 1,061,846; May 13; Gaz. vol. 190; p. 471.
- Compiling and sorting statistics, Machine for. J. Powers. No. 1,061,118; May 6; Gaz. vol. 190; p. 192.
- Compo-board. M. K. Armstrong. No. 1,076,261; Oct. 21; Gaz. vol. 195; p. 628.
- Composing and casting machine, Typographical. C. Muehlisen. No. 1,066,032; July 1; Gaz. vol. 192; p. 46.
- Composing and casting machine, Typographical. H. Pearce and J. E. Billington. No. 1,067,543; July 15; Gaz. vol. 192; p. 631.
- Composing-machine, Record-strip. F. H. Pierpont. No. 1,061,561; May 13; Gaz. vol. 190; p. 380.
- Composing-machine, Typograph. J. Dorneth. No. 1,072,927; Sept. 9; Gaz. vol. 194; p. 463.
- Composing-machine, Typographic. E. M. Low. No. 1,058,877; Apr. 15; Gaz. vol. 189; p. 593.
- Composing-machine, Typographic. J. B. S. Booth. No. 1,079,326; Nov. 25; Gaz. vol. 196; p. 812.
- Composing-machine, Typographic. F. H. Pierpont. No. 1,079,361; Nov. 25; Gaz. vol. 196; p. 823.
- Composing-machine, Typographical. D. S. Kennedy. No. 1,064,487; June 10; Gaz. vol. 191; p. 486.

Alphabetical list of inventions—Continued.

- Composing-machine, Typographical. A. Elchler. No. 1,065,348; June 24; Gaz. vol. 191; p. 844.
- Composing-machine, Typographical. J. G. Holbourns. No. 1,067,519; July 15; Gaz. vol. 192; p. 622.
- Composing-machine, Typographical. J. R. Rogers. No. 1,067,553; July 15; Gaz. vol. 192; p. 634.
- Composing-machine, Typographical. A. Höyer. No. 1,070,687; Aug. 19; Gaz. vol. 193; p. 620.
- Composing-machine, Typographical. J. R. Rogers. No. 1,071,582; Aug. 26; Gaz. vol. 193; p. 950.
- Composing-machine, Typographical. R. F. Barnes. No. 1,071,981; Sept. 2; Gaz. vol. 194; p. 106.
- Composing-machine, Typographical. J. R. Rogers. No. 1,072,653; Sept. 9; Gaz. vol. 194; p. 364.
- Composing-machine, Typographical. P. T. Dodge. No. 1,074,333; Oct. 7; Gaz. vol. 195; p. 117.
- Composing-machine, Typographical. J. R. Rogers. No. 1,074,980; Oct. 7; Gaz. vol. 195; p. 132.
- Composing-machine, Typographical. R. O. Boardman. No. 1,075,137; Oct. 7; Gaz. vol. 195; p. 189.
- Composing-machine, Typographical. J. R. Rogers. No. 1,076,064; Oct. 21; Gaz. vol. 195; p. 562.
- Composing-machine, Typographical. M. Böttger. No. 1,079,101; Nov. 18; Gaz. vol. 196; p. 705.
- Composing-machine, Typographical. D. S. Kennedy. No. 1,080,348; Dec. 2; Gaz. vol. 197; p. 152.
- Composing-machine, Typographical. G. P. Kingsbury. No. 1,080,350; Dec. 2; Gaz. vol. 197; p. 153.
- Composing-machine, Typographical. D. S. Kennedy. No. 1,081,753; Dec. 16; Gaz. vol. 197; p. 393.
- Composing-machines, Escapement mechanism of typographical. C. Muehleisen. No. 1,056,355; Mar. 18; Gaz. vol. 188; p. 641.
- Composing-machines, Matrix or type-die for use in typographical. C. Muehleisen. No. 1,057,445; Apr. 1; Gaz. vol. 189; p. 18.
- Composite board. E. C. Roberts. No. 1,063,736; June 3; Gaz. vol. 191; p. 197.
- Composition for impression-sheets. A. W. Hanington, A. Rosenstein, and R. A. Southward. No. 1,063,791; June 3; Gaz. vol. 191; p. 215.
- Composition for rubbing and finishing varnished and other surfaces. J. D. Garlick. No. 1,077,957; Nov. 4; Gaz. vol. 196; p. 246.
- Composition of matter. C. Scott and W. Deats. No. 1,053,881; Feb. 18; Gaz. vol. 187; p. 772.
- Composition of matter. K. Kather. No. 1,061,546; May 13; Gaz. vol. 190; p. 374.
- Composition of matter. A. G. Harris. No. 1,063,792; June 3; Gaz. vol. 191; p. 215.
- Composition of matter. E. Eckschlagel. No. 1,067,413; July 15; Gaz. vol. 192; p. 587.
- Composition of matter. J. B. Gilbert. No. 1,068,999; July 29; Gaz. vol. 192; p. 1202.
- Composition of matter. P. B. Meerbott. No. 1,075,663; Oct. 14; Gaz. vol. 195; p. 397.
- Composition of matter and making the same. B. B. Goldsmith. No. 1,076,417; Oct. 21; Gaz. vol. 195; p. 685.
- Composition of matter, Making a. P. Ferra. No. 1,075,820; Oct. 14; Gaz. vol. 195; p. 450.
- Composition of matter to be used as a flexible covering. F. M. Ruschhaupt. No. 1,051,769; Jan. 28; Gaz. vol. 186; p. 935.
- Compound. E. W. Hill. No. 1,076,118; Oct. 21; Gaz. vol. 195; p. 582.
- Compound-acting dies. W. C. Edwards, Jr. No. 1,083,244; Dec. 30; Gaz. vol. 197; p. 1262.
- Compound-reducing apparatus. H. Niewerth. No. 1,081,287; Dec. 9; Gaz. vol. 197; p. 501.
- Compressed-air jack. L. J. Rouchleau. No. 1,060,496; Apr. 29; Gaz. vol. 189; p. 1223.
- Compressed wooden article. J. W. Hyatt. No. 1,068,775; July 29; Gaz. vol. 192; p. 1125.
- Compressing and liquid-extracting machine. E. Bartholomew. No. 1,071,020; Aug. 26; Gaz. vol. 193; p. 763.
- Compressing machine, Material. A. R. England. No. 1,067,476; July 15; Gaz. vol. 192; p. 608.
- Compression and suction machine. J. B. Vernon. No. 1,056,859; Mar. 25; Gaz. vol. 188; p. 845.
- Compression-box. M. B. Green. No. 1,061,837; May 13; Gaz. vol. 190; p. 468.
- Compression-retractor. R. W. Binney. No. 1,060,738; May 6; Gaz. vol. 190; p. 60.
- Compression-table and system of operation for the same. S. T. Hutton. No. 1,074,120; Sept. 30; Gaz. vol. 194; p. 964.
- Compression-wrench. W. H. Lutz. No. 1,054,700; Mar. 4; Gaz. vol. 188; p. 15.
- Compression-wrench. W. H. Lutz. No. 1,081,684; Dec. 16; Gaz. vol. 197; p. 669.
- Compressor. J. Stumpf. No. 1,055,239; Mar. 4; Gaz. vol. 188; p. 195.
- Compressor. E. W. Köster. No. 1,062,405; May 20; Gaz. vol. 190; p. 702.
- Compressor, Centrifugal. O. Banner. No. 1,050,419; Jan. 14; Gaz. vol. 186; p. 409.
- Compressor, Centrifugal. S. A. Moss. No. 1,075,800; Oct. 7; Gaz. vol. 195; p. 248.
- Compressor, Centrifugal. S. A. Moss. (Reissue.) No. 1,065,455; Dec. 30; Gaz. vol. 197; p. 1269.
- Compressor-controlling device. R. Conrader. No. 1,072,576; Sept. 9; Gaz. vol. 194; p. 339.
- Compressor impellers, Blading construction for turbo-. O. Banner. No. 1,071,660; Aug. 26; Gaz. vol. 193; p. 977.
- Compressor, Rotary. W. Kieser. No. 1,056,689; Mar. 18; Gaz. vol. 188; p. 757.
- Compressor, Rotary. K. Ahlquist. No. 1,080,743; Dec. 9; Gaz. vol. 197; p. 318.
- Compressors and pumps, Unloader and starter for. E. Friedrichs. No. 1,073,801; Sept. 23; Gaz. vol. 194; p. 827.
- Compressors, Governing mechanism for centrifugal. R. Tröger. No. 1,076,332; Oct. 21; Gaz. vol. 195; p. 654.
- Compressors, Semi-automatic blast-gate for centrifugal. R. H. Rice. No. 1,063,596; June 3; Gaz. vol. 191; p. 146.
- Computing and delivery machine, Change. T. I. Potter. No. 1,063,590; June 3; Gaz. vol. 191; p. 143.
- Computing-bin. D. S. Fleming and E. Jones. No. 1,078,912; Nov. 18; Gaz. vol. 196; p. 639.
- Computing device. A. H. C. Hornbostel and J. H. Crosswhite. No. 1,074,433; Sept. 30; Gaz. vol. 194; p. 1067.
- Computing device. G. E. Leonard. No. 1,076,680; Oct. 28; Gaz. vol. 195; p. 830.
- Computing device. J. Williamson. No. 1,076,929; Oct. 28; Gaz. vol. 195; p. 919.
- Computing device. C. D. Duffield. No. 1,081,663; Dec. 16; Gaz. vol. 197; p. 662.
- Computing-machine. J. W. Miller. No. 1,053,628; Feb. 18; Gaz. vol. 187; p. 687.
- Computing-machine. F. C. Rinsche. No. 1,065,887; June 24; Gaz. vol. 191; p. 1028.
- Concentrating apparatus. D. Deverell. No. 1,068,633; July 29; Gaz. vol. 192; p. 1075.
- Concentrating apparatus, Dry. A. Audet. No. 1,075,959; Oct. 14; Gaz. vol. 195; p. 498.
- Concentrating apparatus, Hydraulic. W. F. M. McCarty. No. 1,050,483; Jan. 14; Gaz. vol. 186; p. 432.
- Concentrating, drying, and crystallizing apparatus. M. Prager. No. 1,062,030; May 20; Gaz. vol. 190; p. 576.
- Concentrating-jig. M. C. Seagrave. No. 1,079,905; Nov. 25; Gaz. vol. 196; p. 1014.
- Concentrating-pan. L. Bowerman. No. 1,070,107; Aug. 12; Gaz. vol. 193; p. 380.
- Concentrating-table. C. W. Wright. No. 1,051,049; Jan. 21; Gaz. vol. 186; p. 661.
- Concentrating-table. G. H. Elmore. No. 1,056,519; Mar. 18; Gaz. vol. 188; p. 701.
- Concentrating-table, Pan-motion. K. Senn. No. 1,056,305; Mar. 18; Gaz. vol. 188; p. 626.
- Concentrating-table, Pneumatic. C. Q. Payne. No. 1,068,162; July 22; Gaz. vol. 192; p. 874.
- Concentrating-table, Pneumatic. C. Q. Payne. No. 1,068,163; July 22; Gaz. vol. 192; p. 874.
- Concentrator. W. A. Butchart. No. 1,052,036; Feb. 4; Gaz. vol. 187; p. 67.
- Concentrator. A. R. Wilfley. No. 1,056,388; Mar. 18; Gaz. vol. 188; p. 652.
- Concentrator. N. Mossberg. No. 1,057,079; Mar. 25; Gaz. vol. 188; p. 921.
- Concentrator. H. J. Nielsen, C. J. Borglin, and L. C. A. Soeborg. No. 1,061,105; May 6; Gaz. vol. 190; p. 187.
- Concentrator. H. J. Nielsen, C. J. Borglin, and L. C. A. Soeborg. No. 1,061,106; May 6; Gaz. vol. 190; p. 187.
- Concentrator. W. W. Whitton. No. 1,065,288; June 17; Gaz. vol. 191; p. 786.
- Concentrator. W. P. Ogden. No. 1,071,456; Aug. 26; Gaz. vol. 193; p. 909.
- Concentrator. J. A. Wolcott. No. 1,071,492; Aug. 26; Gaz. vol. 193; p. 920.
- Concentrator. J. S. Finlay. No. 1,080,053; Dec. 2; Gaz. vol. 197; p. 47.
- Concentrator-belt-feed mechanism. K. Senn. No. 1,059,494; Apr. 22; Gaz. vol. 189; p. 842.
- Concentrator, Centrifugal. P. O. Weis. No. 1,064,184; June 10; Gaz. vol. 191; p. 383.
- Concentrator, Centrifugal. M. P. Boss. No. 1,071,870; Sept. 2; Gaz. vol. 194; p. 69.
- Concentrator, Centrifugal. C. A. Christensen. No. 1,081,267; Dec. 9; Gaz. vol. 197; p. 494.
- Concentrator, Dry. E. A. Stephens. No. 1,083,152; Dec. 30; Gaz. vol. 197; p. 1232.
- Concentrator, Hydraulic. F. E. Marcy. No. 1,056,923; Mar. 25; Gaz. vol. 188; p. 868.
- Concentrator, Multiple-deck. A. E. Wiggin. No. 1,078,977; Nov. 18; Gaz. vol. 196; p. 660.
- Concrete and like materials, Apparatus for handling. S. Clarke. No. 1,050,427; Jan. 14; Gaz. vol. 186; p. 411.
- Concrete and other material, Machine for moving and depositing. W. G. Wilson. No. 1,069,308; Aug. 5; Gaz. vol. 193; p. 76.
- Concrete and reinforced concrete construction, Waterway. J. S. Williams. No. 1,051,043; Jan. 21; Gaz. vol. 186; p. 659.
- Concrete and similar structures, Reinforcing-bar for. W. C. Coryell. No. 1,076,192; Oct. 21; Gaz. vol. 195; p. 606.
- Concrete and the like testing apparatus. R. Färber. No. 1,061,996; May 20; Gaz. vol. 190; p. 564.

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- Concrete apparatus. A. G. Higgins. No. 1,065,365; June 24; Gaz. vol. 191; p. 851.
- Concrete, &c., Apparatus for mixing and distributing. J. F. Garretty. No. 1,075,350; Oct. 14; Gaz. vol. 195; p. 289.
- Concrete arch. C. D. Kelly and P. Mahoney. No. 1,074,268; Sept. 30; Gaz. vol. 194; p. 1012.
- Concrete, &c., Bar for reinforcing. F. C. Schmitz. No. 1,071,803; Sept. 2; Gaz. vol. 194; p. 47.
- Concrete-block machine. G. F. Walker and W. S. Mathes. No. 1,050,881; Jan. 21; Gaz. vol. 186; p. 602.
- Concrete-block machine. F. W. Myrick. No. 1,054,930; Mar. 4; Gaz. vol. 188; p. 93.
- Concrete-block machine, Multimolding. F. H. Folden. No. 1,058,170; Apr. 8; Gaz. vol. 189; p. 310.
- Concrete-block machine, Twin. G. H. Harrison and G. E. McGibney. No. 1,070,252; Aug. 12; Gaz. vol. 193; p. 430.
- Concrete-block-making apparatus. A. Pelke and F. E. Hayes. No. 1,075,936; Oct. 14; Gaz. vol. 195; p. 490.
- Concrete-block mold. W. Cobb. No. 1,052,571; Feb. 11; Gaz. vol. 187; p. 280.
- Concrete-block-molding machine. J. D. Barber. No. 1,052,557; Feb. 11; Gaz. vol. 187; p. 275.
- Concrete-block-molding machine. J. H. Holland. No. 1,057,550; Apr. 1; Gaz. vol. 189; p. 52.
- Concrete blocks, Apparatus for forming. A. B. and O. L. Pinney. No. 1,061,117; May 6; Gaz. vol. 190; p. 192.
- Concrete, Bonding. S. W. Flesheim. (Reissue.) No. 1,3598; July 22; Gaz. vol. 192; p. 959.
- Concrete bridge. D. B. Luten. No. 1,060,920; May 6; Gaz. vol. 190; p. 123.
- Concrete bridge. D. B. Luten. No. 1,060,921; May 6; Gaz. vol. 190; p. 124.
- Concrete-building-block construction. B. Brownstein. No. 1,078,714; Nov. 18; Gaz. vol. 196; p. 571.
- Concrete building construction. J. T. Saltiel. No. 1,070,921; Aug. 19; Gaz. vol. 193; p. 696.
- Concrete building construction, Reinforced. A. C. Tozzer. No. 1,049,420; Jan. 7; Gaz. vol. 186; p. 35.
- Concrete-building-form support, Adjustable. C. E. Bradshaw. No. 1,061,658; May 13; Gaz. vol. 190; p. 413.
- Concrete building, Reinforced. W. P. Cowles. No. 1,078,575; Nov. 11; Gaz. vol. 196; p. 489.
- Concrete building, Sectional. C. Zeimet. No. 1,072,293; Sept. 2; Gaz. vol. 194; p. 210.
- Concrete buildings, Constructing. A. Peltzer. No. 1,066,436; July 1; Gaz. vol. 192; p. 184.
- Concrete caps on piles, Apparatus for forming. L. Pierce. No. 1,072,491; Sept. 9; Gaz. vol. 194; p. 308.
- Concrete, Chair for supporting reinforcing-bars in. G. R. Schoenthaler. No. 1,058,908; Apr. 15; Gaz. vol. 189; p. 604.
- Concrete column or pole, Reinforced. H. E. Gräa. No. 1,071,045; Aug. 26; Gaz. vol. 193; p. 772.
- Concrete compressed-air cistern. W. T. Clark. No. 1,068,383; July 22; Gaz. vol. 192; p. 950.
- Concrete conduit. J. C. Mitchell, W. R. Harris, and C. Meriwether. No. 1,054,858; Mar. 4; Gaz. vol. 188; p. 71.
- Concrete conduit-sections, Coupling for reinforced. P. S. Easterday. No. 1,061,665; May 13; Gaz. vol. 190; p. 415.
- Concrete construction. J. Gilligan. No. 1,055,162; Mar. 4; Gaz. vol. 188; p. 170.
- Concrete construction. A. De Rehinder. No. 1,064,056; June 10; Gaz. vol. 191; p. 338.
- Concrete construction. F. H. Howard. No. 1,072,230; Sept. 2; Gaz. vol. 194; p. 190.
- Concrete construction. G. F. Mills. No. 1,075,928; Oct. 14; Gaz. vol. 195; p. 488.
- Concrete construction. R. W. Stentzel. No. 1,079,152; Nov. 18; Gaz. vol. 196; p. 723.
- Concrete construction, Bonded. E. Kroner. No. 1,066,020; July 1; Gaz. vol. 192; p. 40.
- Concrete construction, False work for. C. A. Hammett. No. 1,079,045; Nov. 18; Gaz. vol. 196; p. 687.
- Concrete construction for buildings, Reinforced. R. Anderson. No. 1,052,708; Feb. 11; Gaz. vol. 187; p. 326.
- Concrete construction, Reinforced. C. C. Allen. No. 1,050,052; Jan. 7; Gaz. vol. 186; p. 249.
- Concrete construction, Reinforced. W. J. Sloan. No. 1,052,696; Feb. 11; Gaz. vol. 187; p. 323.
- Concrete construction, Reinforced. R. T. Peirce. No. 1,060,853; May 6; Gaz. vol. 190; p. 100.
- Concrete construction, Reinforced. D. W. Morrow. No. 1,064,850; June 17; Gaz. vol. 191; p. 643.
- Concrete construction, Reinforced. C. A. P. Turner. No. 1,072,532; Sept. 9; Gaz. vol. 194; p. 323.
- Concrete-construction reinforcement. J. O. Ellinger. No. 1,053,585; Feb. 18; Gaz. vol. 187; p. 673.
- Concrete constructions, Collapsible core for hollow. C. S. Bunnell. No. 1,082,999; Dec. 30; Gaz. vol. 197; p. 1184.
- Concrete culverts, Portable mold for. A. J. Fisher. No. 1,079,000; Nov. 18; Gaz. vol. 196; p. 670.
- Concrete-distributor. P. A. Koehring. No. 1,063,268; June 3; Gaz. vol. 191; p. 34.
- Concrete-distributor. P. A. Koehring. (Reissue.) No. 13,617; Sept. 16; Gaz. vol. 194; p. 729.
- Concrete-drill. F. J. Steinbach. No. 1,060,647; May 6; Gaz. vol. 190; p. 28.
- Concrete fence-post and fastener therefor, Reinforced. H. P. Owens. No. 1,060,623; May 6; Gaz. vol. 190; p. 21.
- Concrete flat slabs, Reinforcement for. W. C. Edwards, Jr. No. 1,057,531; Apr. 1; Gaz. vol. 189; p. 46.
- Concrete floor and wall. C. A. Clehous. No. 1,063,658; June 3; Gaz. vol. 191; p. 170.
- Concrete floor construction. J. A. Ferguson. No. 1,051,476; Jan. 21; Gaz. vol. 186; p. 770.
- Concrete floor construction. R. S. Chew. No. 1,054,338; Feb. 25; Gaz. vol. 187; p. 965.
- Concrete floor construction. J. Kahn. No. 1,074,953; Oct. 7; Gaz. vol. 195; p. 124.
- Concrete floor construction, Reinforced. A. E. Lindau. No. 1,050,477; Jan. 14; Gaz. vol. 186; p. 430.
- Concrete floor, Reinforced. G. M. Graham. No. 1,075,251; Oct. 7; Gaz. vol. 195; p. 228.
- Concrete floor, Reinforced. G. M. Graham. No. 1,075,252; Oct. 7; Gaz. vol. 195; p. 229.
- Concrete floors and ceilings, Constructing. J. F. Golding. No. 1,053,127; Feb. 11; Gaz. vol. 187; p. 471.
- Concrete floors and ceilings, Construction of armored. F. Cancalon. No. 1,058,548; Apr. 8; Gaz. vol. 189; p. 441.
- Concrete flooring. H. H. Dupont. No. 1,081,373; Dec. 16; Gaz. vol. 197; p. 569.
- Concrete-form clamp. D. T. Harries and G. Jones. No. 1,064,727; June 17; Gaz. vol. 191; p. 604.
- Concrete-form fastener. H. M. Sherwood. No. 1,069,821; Aug. 12; Gaz. vol. 193; p. 282.
- Concrete-form guide. A. D. Whipple and F. Christiansen. No. 1,053,461; Feb. 18; Gaz. vol. 187; p. 630.
- Concrete-forms, Waterproof caisson for. J. Vukovich. No. 1,068,027; July 22; Gaz. vol. 192; p. 828.
- Concrete foundations and the like, Forming. M. E. Layne. No. 1,062,718; May 27; Gaz. vol. 190; p. 847.
- Concrete garage. R. F. Yourtee. No. 1,061,798; May 13; Gaz. vol. 190; p. 457.
- Concrete in piles formed in the ground, Recording the volume or sectional area of. J. M. Leighton. No. 1,079,014; Nov. 18; Gaz. vol. 196; p. 676.
- Concrete-insert. J. Kennedy. No. 1,052,149; Feb. 4; Gaz. vol. 187; p. 106.
- Concrete keg. J. M. Thompson. No. 1,056,232; Mar. 18; Gaz. vol. 188; p. 602.
- Concrete-machine. W. L. Canniff. No. 1,067,781; July 15; Gaz. vol. 192; p. 711.
- Concrete-mixer. T. L. Smith. No. 1,051,971; Feb. 4; Gaz. vol. 187; p. 43.
- Concrete-mixer. E. W. Brackenbury. No. 1,052,035; Feb. 4; Gaz. vol. 187; p. 66.
- Concrete-mixer. C. Meier. No. 1,052,079; Feb. 4; Gaz. vol. 187; p. 81.
- Concrete-mixer. T. Ahlborn. No. 1,052,993; Feb. 11; Gaz. vol. 187; p. 424.
- Concrete-mixer. T. L. Smith. No. 1,058,803; Apr. 15; Gaz. vol. 189; p. 564.
- Concrete-mixer. G. A. Tuerk. No. 1,062,936; May 27; Gaz. vol. 190; p. 920.
- Concrete-mixer. C. W. Levalley. No. 1,067,041; July 8; Gaz. vol. 192; p. 422.
- Concrete-mixer. C. W. Levalley. No. 1,067,042; July 8; Gaz. vol. 192; p. 422.
- Concrete-mixer. T. L. Smith. No. 1,069,491; Aug. 5; Gaz. vol. 193; p. 141.
- Concrete-mixer. G. B. and W. Green. No. 1,070,798; Aug. 19; Gaz. vol. 193; p. 657.
- Concrete-mixer. W. D. Wise. No. 1,071,848; Sept. 2; Gaz. vol. 194; p. 62.
- Concrete-mixer. E. E. Willis. No. 1,074,918; Oct. 7; Gaz. vol. 195; p. 112.
- Concrete-mixer. T. Ahlborn. No. 1,075,000; Oct. 7; Gaz. vol. 195; p. 140.
- Concrete-mixer. H. U. Prindle. No. 1,079,952; Dec. 2; Gaz. vol. 197; p. 10.
- Concrete-mixer. G. F. Nye. No. 1,081,911; Dec. 16; Gaz. vol. 197; p. 746.
- Concrete-mixer. G. W. Whitworth. No. 1,082,000; Dec. 23; Gaz. vol. 197; p. 805.
- Concrete mixer and conveyer. P. A. Hennessy. No. 1,065,607; June 24; Gaz. vol. 191; p. 933.
- Concrete mixer and conveyer. P. A. Hennessy. No. 1,065,608; June 24; Gaz. vol. 191; p. 933.
- Concrete mixer and spreader. W. L. McFarland. No. 1,070,156; Aug. 12; Gaz. vol. 193; p. 397.
- Concrete-mixer discharge device. A. D. Mosby. No. 1,067,539; July 15; Gaz. vol. 192; p. 630.
- Concrete-mixer elevator and conveyer. F. Miller. No. 1,066,302; July 1; Gaz. vol. 192; p. 143.
- Concrete-mixer, Gravity. G. W. Mills and J. E. Simpson. No. 1,072,143; Sept. 2; Gaz. vol. 194; p. 163.
- Concrete-mixer-tilting device. E. W. Brackenbury. No. 1,051,673; Jan. 28; Gaz. vol. 186; p. 904.
- Concrete-mixers, Distributing-spout for. E. W. Brackenbury. No. 1,056,732; Mar. 18; Gaz. vol. 188; p. 773.
- Concrete-mixers, Mixing cylinder or drum for. T. J. Conway. No. 1,056,974; Mar. 25; Gaz. vol. 188; p. 886.

Alphabetical list of inventions—Continued.

- Concrete-mixers, Splash-plate for. C. E. Bathrick. No. 1,056,249; Mar. 18; Gaz. vol. 188; p. 608.
- Concrete-mixing apparatus. P. C. Hains, Sr. No. 1,051,883; Feb. 4; Gaz. vol. 187; p. 12.
- Concrete-mixing apparatus. C. W. Levalley. No. 1,067,181; July 8; Gaz. vol. 192; p. 470.
- Concrete-mixing machine. G. A. Peterson. No. 1,051,003; Jan. 21; Gaz. vol. 186; p. 645.
- Concrete-mixing machine. C. A. Kilgus. No. 1,070,612; Aug. 19; Gaz. vol. 193; p. 595.
- Concrete-mixture bucket. J. B. Smith. No. 1,062,613; May 27; Gaz. vol. 190; p. 813.
- Concrete mixtures, Treating. A. J. Bates. No. 1,062,949; May 27; Gaz. vol. 190; p. 924.
- Concrete-mold. B. E. Grant. No. 1,077,702; Nov. 4; Gaz. vol. 196; p. 157.
- Concrete mold and core. F. B. Jacobson. No. 1,060,188; Apr. 29; Gaz. vol. 189; p. 1114.
- Concrete, Mold for molding. G. W. Hering. No. 1,059,871; Apr. 22; Gaz. vol. 189; p. 963.
- Concrete molds or forms, Tie for. O. Stange. No. 1,078,007; Nov. 11; Gaz. vol. 196; p. 294.
- Concrete or cementitious railway-tie, Reinforced. S. L. Kyle. No. 1,051,898; Feb. 4; Gaz. vol. 187; p. 17.
- Concrete or masonry arches, Centering for. W. J. Watson. No. 1,071,118; Aug. 26; Gaz. vol. 193; p. 797.
- Concrete pavement and making same. F. H. Webster. No. 1,064,408; June 10; Gaz. vol. 191; p. 459.
- Concrete pavements, Making bituminous. W. B. Brady. No. 1,071,293; Aug. 26; Gaz. vol. 193; p. 855.
- Concrete pile. T. W. Ridley. No. 1,078,000; Nov. 11; Gaz. vol. 196; p. 292.
- Concrete pile and forming same. C. McCormick. No. 1,052,738; Feb. 11; Gaz. vol. 187; p. 335.
- Concrete-pile-forming means. W. R. Phillips. No. 1,063,942; June 3; Gaz. vol. 191; p. 265.
- Concrete piles, Helmet for use in the driving of reinforced-. G. W. Crawshaw. No. 1,060,668; May 6; Gaz. vol. 190; p. 35.
- Concrete piling. O. Stange. No. 1,079,375; Nov. 25; Gaz. vol. 196; p. 828.
- Concrete piling, Incased. J. Kenny. No. 1,068,779; July 29; Gaz. vol. 192; p. 1126.
- Concrete piling, Incased. J. Kenny. No. 1,080,283; Dec. 2; Gaz. vol. 197; p. 128.
- Concrete-pipe making and laying machine. G. Stump. No. 1,058,642; Apr. 8; Gaz. vol. 189; p. 471.
- Concrete pole, pile, and column, Reinforced-. R. M. Jones. No. 1,065,529; June 24; Gaz. vol. 191; p. 906.
- Concrete pole, Reinforced-. H. S. Stout. No. 1,075,232; Oct. 7; Gaz. vol. 195; p. 222.
- Concrete pole, Sectional reinforced-. J. A. Griffin. No. 1,069,328; Aug. 5; Gaz. vol. 193; p. 83.
- Concrete poles, piles, and columns, Forming and making. R. M. Jones. No. 1,064,742; June 17; Gaz. vol. 191; p. 609.
- Concrete post. T. A. McQuirk. No. 1,064,356; June 10; Gaz. vol. 191; p. 440.
- Concrete post. C. A. Melchert and W. D. Snyder. No. 1,075,988; Oct. 14; Gaz. vol. 195; p. 509.
- Concrete-post mold. W. Hartley. No. 1,060,680; May 6; Gaz. vol. 190; p. 39.
- Concrete post or pole, Reinforced-. G. A. Zillgitt. No. 1,052,990; Feb. 11; Gaz. vol. 187; p. 423.
- Concrete railway cross-tie. E. J. Rosencrans and H. Sanderson. No. 1,054,365; Feb. 25; Gaz. vol. 187; p. 974.
- Concrete railway-tie. H. E. Burgess. No. 1,062,436; May 20; Gaz. vol. 190; p. 712.
- Concrete railway-tie. J. P. Parshall. No. 1,063,586; June 3; Gaz. vol. 191; p. 141.
- Concrete railway-tie. H. Gebhardt. No. 1,065,797; June 24; Gaz. vol. 191; p. 997.
- Concrete railway-tie. C. E. Lease. No. 1,073,256; Sept. 16; Gaz. vol. 194; p. 615.
- Concrete railway-tie, Reinforced-. F. H. Masow. No. 1,051,341; Jan. 21; Gaz. vol. 186; p. 758.
- Concrete railway-tie, Reinforced-. F. A. Wilson. No. 1,078,712; Nov. 18; Gaz. vol. 196; p. 570.
- Concrete-reinforce. A. E. Lindau. No. 1,082,963; Dec. 30; Gaz. vol. 197; p. 1175.
- Concrete reinforced floor, Metal-. R. Thomson. No. 1,065,322; June 17; Gaz. vol. 191; p. 798.
- Concrete reinforcement. G. C. Royse. No. 1,073,931; Sept. 23; Gaz. vol. 194; p. 872.
- Concrete reinforcement. D. B. Luten. No. 1,078,510; Nov. 11; Gaz. vol. 196; p. 468.
- Concrete reinforcements, Support for. C. A. Koerner. No. 1,055,052; Mar. 4; Gaz. vol. 188; p. 136.
- Concrete-reinforcing bar. D. McDonald. No. 1,052,683; Feb. 11; Gaz. vol. 187; p. 319.
- Concrete-reinforcing member. C. T. Inman and H. A. Robinson. No. 1,050,834; Jan. 21; Gaz. vol. 186; p. 585.
- Concrete-reinforcing members, Clamp for. D. B. Luten. No. 1,060,919; May 6; Gaz. vol. 190; p. 123.
- Concrete-reinforcing, Support and tie for. J. B. Neevel. No. 1,068,003; July 22; Gaz. vol. 192; p. 820.
- Concrete retaining-wall, Reinforced-. H. D. Whipple. No. 1,058,211; Apr. 8; Gaz. vol. 189; p. 324.
- Concrete roof structure, Integral reinforced-. S. Rechniewski. No. 1,062,736; May 27; Gaz. vol. 190; p. 852.
- Concrete screw-pile for foundations, &c. G. C. Vernon-Inkpen. No. 1,070,862; Aug. 19; Gaz. vol. 193; p. 677.
- Concrete sectional pipe and culvert, Reinforced-. C. C. Allen and C. H. Busch. No. 1,082,723; Dec. 30; Gaz. vol. 197; p. 1089.
- Concrete sectional pipe and culvert, Reinforced-. C. C. Allen. No. 1,082,724; Dec. 30; Gaz. vol. 197; p. 1089.
- Concrete-shingle mold. F. B. Cole. No. 1,075,403; Oct. 14; Gaz. vol. 195; p. 309.
- Concrete skylight, vault-light, and floor-light, Constructing a. L. W. Mulford. No. 1,072,147; Sept. 2; Gaz. vol. 194; p. 164.
- Concrete socket-pile. K. D. MacLean. No. 1,074,275; Sept. 30; Gaz. vol. 194; p. 1015.
- Concrete-spreader. J. E. Briggs. No. 1,054,821; Mar. 4; Gaz. vol. 188; p. 59.
- Concrete step. J. H. T. Kirk and L. J. Lawson. No. 1,071,239; Aug. 26; Gaz. vol. 193; p. 837.
- Concrete structure. C. B. Grady. No. 1,049,702; Jan. 7; Gaz. vol. 186; p. 132.
- Concrete structure. G. C. Harvey. No. 1,050,130; Jan. 14; Gaz. vol. 186; p. 309.
- Concrete structure, Device for positioning rods in. A. E. Davis. No. 1,063,663; June 3; Gaz. vol. 191; p. 171.
- Concrete structures, Constructing reinforced. H. W. Sauber and N. B. Paulson. No. 1,057,674; Apr. 1; Gaz. vol. 189; p. 96.
- Concrete structures, Disposing key devices in. R. D. Weakley. No. 1,053,257; Feb. 18; Gaz. vol. 187; p. 559.
- Concrete structures, Key-device-transfer means for. R. D. Weakley. No. 1,053,256; Feb. 18; Gaz. vol. 187; p. 559.
- Concrete structures, Machine for building. H. G. Sellman. No. 1,062,040; May 20; Gaz. vol. 190; p. 579.
- Concrete structures, Metal form for monolithic. L. Eisenkramer. No. 1,052,328; Feb. 4; Gaz. vol. 187; p. 164.
- Concrete tie and steel plate. O. J. Myers. No. 1,055,211; Mar. 4; Gaz. vol. 188; p. 186.
- Concrete-tie construction. A. R. Gonzalez. No. 1,060,179; Apr. 29; Gaz. vol. 189; p. 1111.
- Concrete tie, Reinforced-. W. G. Chipley. No. 1,065,430; June 24; Gaz. vol. 191; p. 873.
- Concrete tie, Reinforced-. C. G. Vandewater. No. 1,082,054; Dec. 23; Gaz. vol. 197; p. 825.
- Concrete tile. E. F. Crane. No. 1,061,455; May 13; Gaz. vol. 190; p. 341.
- Concrete veneer, Ornamental reinforced-. J. J. Miller. No. 1,072,760; Sept. 9; Gaz. vol. 194; p. 401.
- Concrete wall construction for buildings. D. McDicken. No. 1,060,272; Apr. 29; Gaz. vol. 189; p. 1144.
- Concrete-wall mold. E. A. Isles. No. 1,077,079; Oct. 28; Gaz. vol. 195; p. 971.
- Concrete wall, Monolithic. J. A. Peterson. No. 1,062,298; May 20; Gaz. vol. 190; p. 668.
- Concrete walls, Apparatus for producing monolithic. T. J. Shipman. No. 1,055,237; Mar. 4; Gaz. vol. 188; p. 194.
- Concrete walls, Core for use in molding. G. Clark. No. 1,077,952; Nov. 4; Gaz. vol. 196; p. 245.
- Concrete walls, Means for constructing. A. D. Whipple. No. 1,075,454; Oct. 14; Gaz. vol. 195; p. 326.
- Concrete-waterproofing composition. C. Ellis. No. 1,077,689; Nov. 4; Gaz. vol. 196; p. 154.
- Concrete window construction, Form for. T. Emtman. No. 1,051,568; Jan. 28; Gaz. vol. 186; p. 870.
- Condenser. W. Oberste. No. 1,059,685; Apr. 22; Gaz. vol. 189; p. 904.
- Condenser. E. G. Helander. No. 1,068,430; July 29; Gaz. vol. 192; p. 1006.
- Condenser. F. and W. G. Tyson. No. 1,071,481; Aug. 26; Gaz. vol. 193; p. 917.
- Condenser and feed-water heater. E. Winholt. No. 1,052,988; Feb. 11; Gaz. vol. 187; p. 423.
- Condenser and feed-water heater, Combined. M. L. Dunnam. No. 1,076,410; Oct. 21; Gaz. vol. 195; p. 682.
- Condenser, Electrical. E. A. Bayles. No. 1,063,105; May 27; Gaz. vol. 190; p. 975.
- Condenser, Electrolytic. C. I. Zimmerman. No. 1,074,231; Sept. 30; Gaz. vol. 194; p. 1001.
- Condenser, Electrolytic. R. D. Mershon and J. S. Riddle. No. 1,077,627; Nov. 4; Gaz. vol. 196; p. 133.
- Condenser, Electrolytic. R. D. Mershon. No. 1,077,628; Nov. 4; Gaz. vol. 196; p. 133.
- Condenser or pump. W. P. Skiffington. No. 1,067,883; July 22; Gaz. vol. 192; p. 779.
- Condenser, Steam-. F. Samuelson. No. 1,076,522; Oct. 21; Gaz. vol. 195; p. 721.
- Condenser, Surface. H. Keller. No. 1,063,694; June 3; Gaz. vol. 191; p. 183.
- Condenser, Surface. H. Keller. No. 1,063,696; June 3; Gaz. vol. 191; p. 184.
- Condensing and vacuum-producing apparatus, Steam-. D. B. Morison. No. 1,059,899; Apr. 22; Gaz. vol. 189; p. 972.
- Condensing apparatus. C. A. Parsons and S. S. Cook. No. 1,054,602; Feb. 25; Gaz. vol. 187; p. 1054.

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- Condensing apparatus. E. Thomson. No. 1,080,734; Dec. 9; Gaz. vol. 197; p. 314.
- Condensing apparatus, Steam-. R. D. Tomlinson. No. 1,058,392; Apr. 8; Gaz. vol. 189; p. 388.
- Condensing apparatus, Surface. H. Keller. No. 1,063,695; June 3; Gaz. vol. 191; p. 183.
- Condensing metallic vapors. F. W. Gordon. No. 1,053,592; Feb. 18; Gaz. vol. 187; p. 676.
- Condensing mixtures of hydrocarbon and steam, Cooler for. C. Still. No. 1,073,302; Sept. 16; Gaz. vol. 194; p. 632.
- Condiment-holder. M. E. Brooks. No. 1,063,326; June 3; Gaz. vol. 191; p. 53.
- Condiment-holder. S. I. Roclawski. No. 1,070,535; Aug. 19; Gaz. vol. 193; p. 569.
- Condiment-receptacle. T. Rossbach. No. 1,071,465; Aug. 26; Gaz. vol. 193; p. 912.
- Conducting-pipe. G. E. Stinson. No. 1,061,418; May 13; Gaz. vol. 190; p. 328.
- Conduit-box. F. J. Hurst. No. 1,069,877; Aug. 12; Gaz. vol. 193; p. 302.
- Conduit box, Electric-. H. J. White. No. 1,078,181; Nov. 11; Gaz. vol. 196; p. 354.
- Conduit-cleansing apparatus. H. J. Calhoun. No. 1,049,808; Jan. 7; Gaz. vol. 186; p. 167.
- Conduit fish-wire machine. B. Dahl. No. 1,076,870; Oct. 28; Gaz. vol. 195; p. 898.
- Conduit for irrigation. I. B. Naylor. No. 1,078,637; Nov. 18; Gaz. vol. 196; p. 543.
- Conduit, Irrigating-. I. B. Naylor. No. 1,078,635; Nov. 18; Gaz. vol. 196; p. 542.
- Conduit, Irrigating-. I. B. Naylor. No. 1,078,636; Nov. 18; Gaz. vol. 196; p. 543.
- Conduit, Means for controlling flow through a. F. L. Cross. No. 1,054,179; Feb. 25; Gaz. vol. 187; p. 912.
- Conduit or drain pipe. G. T. Carpenter. No. 1,054,904; Mar. 4; Gaz. vol. 188; p. 86.
- Conduit system, Vacuum-. O. F. Petersen. No. 1,054,027; Feb. 25; Gaz. vol. 187; p. 859.
- Conduits, Joint tightener and spreader for. K. J. Thorsby. No. 1,065,408; June 24; Gaz. vol. 191; p. 865.
- Conduits, Means for detaching obstructions from electric, telephone, and other cable. M. Blumenthal. No. 1,080,251; Dec. 2; Gaz. vol. 197; p. 117.
- Conduits, Shut-off system for. I. Gillen. No. 1,072,938; Sept. 9; Gaz. vol. 194; p. 468.
- Cone-centers, Equipment of. T. H. Mack. No. 1,076,986; Oct. 28; Gaz. vol. 195; p. 939.
- Confection and making same. J. C. Davidson. No. 1,076,751; Oct. 28; Gaz. vol. 195; p. 856.
- Confection-coating machine. P. Panoulas. No. 1,082,234; Dec. 23; Gaz. vol. 197; p. 886.
- Confectionery-box. W. A. Matthews. No. 1,075,839; Oct. 14; Gaz. vol. 195; p. 458.
- Confectionery-coating apparatus. J. W. Haythornthwaite. No. 1,063,029; May 27; Gaz. vol. 190; p. 950.
- Confectionery-mold. T. E. Breyer. No. 1,074,600; Oct. 7; Gaz. vol. 195; p. 5.
- Confetti-machine. G. G. Griffin. No. 1,082,804; Dec. 30; Gaz. vol. 197; p. 1117.
- Connecting-bar or hanger. F. W. Simmons. No. 1,057,890; Apr. 1; Gaz. vol. 189; p. 170.
- Connecting device. J. J. K. Koughan. No. 1,055,641; Mar. 11; Gaz. vol. 188; p. 367.
- Connecting device. E. G. K. Anderson. No. 1,064,955; June 17; Gaz. vol. 191; p. 677.
- Connecting-joint. P. Mueller and J. P. Mern. No. 1,053,528; Feb. 18; Gaz. vol. 187; p. 653.
- Connecting-rod. J. Fox. No. 1,070,594; Aug. 19; Gaz. vol. 193; p. 590.
- Connection. Z. P. Candee. No. 1,072,425; Sept. 9; Gaz. vol. 194; p. 285.
- Connector. B. G. Jamieson and C. A. Keller. No. 1,060,600; May 6; Gaz. vol. 190; p. 12.
- Conserves, Manufacture of meat-like. F. Smolka. No. 1,078,807; Nov. 18; Gaz. vol. 196; p. 604.
- Constipation and piles, Device for preventing and treatment of. M. A. Lapham. No. 1,051,129; Jan. 21; Gaz. vol. 186; p. 688.
- Contact device. J. J. H. W. Weenen. No. 1,072,540; Sept. 9; Gaz. vol. 194; p. 325.
- Contact, Electrical sliding. J. V. Purssell. No. 1,080,230; Dec. 2; Gaz. vol. 197; p. 109.
- Contact with, engaging, or clamping bodies of any shape, Device for obtaining intimate. P. K. Kunze. No. 1,059,545; Apr. 22; Gaz. vol. 189; p. 859.
- Contacting device, Automatic. F. McMahon. No. 1,075,987; Oct. 14; Gaz. vol. 195; p. 508.
- Container. M. A. Marcucci. No. 1,051,606; Jan. 28; Gaz. vol. 186; p. 883.
- Container. W. Asbury. No. 1,053,344; Feb. 18; Gaz. vol. 187; p. 590.
- Container. P. Turnbull. No. 1,053,758; Feb. 18; Gaz. vol. 187; p. 732.
- Container. J. A. Boos. No. 1,059,269; Apr. 15; Gaz. vol. 189; p. 727.
- Container. E. Schierse. No. 1,076,156; Oct. 21; Gaz. vol. 195; p. 593.
- Container and display device. W. W. Bagley. No. 1,054,487; Feb. 25; Gaz. vol. 187; p. 1017.
- Container, Automatically-closing collapsible. C. J. W. Hayes. No. 1,065,245; June 17; Gaz. vol. 191; p. 772.
- Container-closure. K. Klefer. No. 1,079,771; Nov. 25; Gaz. vol. 196; p. 968.
- Container, Collapsible. S. P. Woodley. No. 1,060,304; Apr. 29; Gaz. vol. 189; p. 1155.
- Container-forming machine. J. M. Taylor. No. 1,077,496; Nov. 4; Gaz. vol. 196; p. 91.
- Container, Liquid-. J. Ballance. No. 1,071,859; Sept. 2; Gaz. vol. 194; p. 66.
- Container, Metal. W. J. Werner. No. 1,082,783; Dec. 30; Gaz. vol. 197; p. 1111.
- Container porous head. W. C. Urbanek. No. 1,054,950; Mar. 4; Gaz. vol. 188; p. 100.
- Container, Portable. H. Ariens. No. 1,078,981; Nov. 18; Gaz. vol. 196; p. 663.
- Container, Refractory. E. Weintraub. No. 1,063,483; June 3; Gaz. vol. 191; p. 105.
- Container, Self-locking. J. F. Johnson. No. 1,053,605; Feb. 18; Gaz. vol. 187; p. 680.
- Container-supporting device. A. J. Degenfelder. No. 1,077,190; Oct. 28; Gaz. vol. 195; p. 1004.
- Containing and dispensing device. B. M. Umboltz. No. 1,071,482; Aug. 26; Gaz. vol. 193; p. 917.
- Continuous kiln. F. D. Shaw. No. 1,079,443; Nov. 25; Gaz. vol. 196; p. 850.
- Control and pay system. J. J. Grain. No. 1,054,198; Feb. 25; Gaz. vol. 187; p. 917.
- Control device. G. J. and F. E. Baker. No. 1,080,316; Dec. 2; Gaz. vol. 197; p. 139.
- Control device, Foot-operated. J. A. Staples. No. 1,080,936; Dec. 9; Gaz. vol. 197; p. 386.
- Control system. N. W. Storer. No. 1,056,852; Mar. 25; Gaz. vol. 188; p. 843.
- Control system. C. C. Heinzmann. No. 1,076,207; Oct. 21; Gaz. vol. 195; p. 610.
- Control system. H. D. James. No. 1,078,622; Nov. 18; Gaz. vol. 196; p. 538.
- Controller. P. S. Turner. No. 1,065,009; June 17; Gaz. vol. 191; p. 694.
- Controller. R. F. Le Brocq. No. 1,068,672; July 29; Gaz. vol. 192; p. 1089.
- Controller. C. E. Cochran. No. 1,073,397; Sept. 16; Gaz. vol. 194; p. 666.
- Controller-arms, Lock mechanism for. E. Gruenfeldt. No. 1,052,914; Feb. 11; Gaz. vol. 187; p. 398.
- Controller, Automatic. S. P. Armstrong. No. 1,058,519; Apr. 8; Gaz. vol. 189; p. 431.
- Controller-regulator. C. P. Ebersole. No. 1,061,055; May 6; Gaz. vol. 190; p. 172.
- Controller-regulator. C. P. Ebersole. No. 1,065,927; July 1; Gaz. vol. 192; p. 7.
- Controller-regulator. R. Marx. No. 1,074,512; Sept. 30; Gaz. vol. 194; p. 1091.
- Controller safety device. J. F. Miller and W. V. Turner. No. 1,053,311; Feb. 18; Gaz. vol. 187; p. 578.
- Controller-switch. V. G. Apple. No. 1,070,657; Aug. 19; Gaz. vol. 193; p. 609.
- Controlling apparatus. W. G. Blauvelt and E. C. Molina. No. 1,061,519; May 13; Gaz. vol. 190; p. 364.
- Controlling device. W. H. Gaulke. No. 1,070,597; Aug. 19; Gaz. vol. 193; p. 590.
- Controlling from a distant point the operation of a mechanism or instrument. C. Berger. No. 1,055,985; Mar. 11; Gaz. vol. 188; p. 483.
- Controlling mechanism. A. L. Ruthven. No. 1,058,107; Apr. 8; Gaz. vol. 189; p. 288.
- Controlling mechanism. A. E. Reuss and O. Schnitzler. No. 1,058,264; Apr. 8; Gaz. vol. 189; p. 343.
- Controlling mechanism. E. J. Markel. No. 1,061,765; May 13; Gaz. vol. 190; p. 447.
- Controlling mechanism. E. J. F. Rea and C. E. Clark. No. 1,074,065; Sept. 23; Gaz. vol. 194; p. 915.
- Controlling mechanism. R. Davis. No. 1,074,495; Sept. 30; Gaz. vol. 194; p. 1086.
- Controlling mechanism. H. C. Miller. No. 1,077,152; Oct. 28; Gaz. vol. 195; p. 992.
- Controlling mechanism, Electrically-operated. J. C. Heintz. No. 1,056,671; Mar. 18; Gaz. vol. 188; p. 751.
- Converter process. O. Thiel. No. 1,080,606; Dec. 9; Gaz. vol. 197; p. 270.
- Convertible burner and range. J. Erben. No. 1,053,797; Feb. 18; Gaz. vol. 187; p. 745.
- Conveyer. C. D. Seeberger. No. 1,049,613; Jan. 7; Gaz. vol. 186; p. 102.
- Conveyer. O. S. Riblet. No. 1,050,171; Jan. 14; Gaz. vol. 186; p. 323.
- Conveyer. G. C. Horst. No. 1,052,253; Feb. 4; Gaz. vol. 187; p. 142.
- Conveyer. G. H. Mueller. No. 1,054,305; Feb. 25; Gaz. vol. 187; p. 953.
- Conveyer. S. F. Joor. No. 1,057,556; Apr. 1; Gaz. vol. 189; p. 54.
- Conveyer. J. H. Michener, Jr. No. 1,061,394; May 13; Gaz. vol. 190; p. 319.
- Conveyer. W. F. Murphy. No. 1,062,548; May 20; Gaz. vol. 190; p. 748.
- Conveyer. M. U. Bernheim. No. 1,064,431; June 10; Gaz. vol. 191; p. 468.

Alphabetical list of inventions—Continued.

- Conveyer. R. H. Fletcher. No. 1,065,349; June 24; Gaz. vol. 191; p. 844.
- Conveyer. J. Dick. No. 1,065,596; June 24; Gaz. vol. 191; p. 930.
- Conveyer. A. Swanson. No. 1,065,746; June 24; Gaz. vol. 191; p. 979.
- Conveyer. G. W. Willmot. No. 1,068,722; July 29; Gaz. vol. 192; p. 1106.
- Conveyer. H. J. Nielsen, C. J. Borglin, and L. C. A. Soeborg. No. 1,069,163; Aug. 5; Gaz. vol. 193; p. 25.
- Conveyer. C. D. Seeberger. No. 1,071,529; Aug. 26; Gaz. vol. 193; p. 933.
- Conveyer. N. P. Jorgenson. No. 1,074,182; Sept. 30; Gaz. vol. 194; p. 984.
- Conveyer. F. W. Burpee. No. 1,075,546; Oct. 14; Gaz. vol. 195; p. 358.
- Conveyer. O. H. Cilley. No. 1,075,548; Oct. 14; Gaz. vol. 195; p. 359.
- Conveyer. J. J. Curtis. No. 1,079,218; Nov. 18; Gaz. vol. 196; p. 745.
- Conveyer. A. Wakefield. No. 1,080,243; Dec. 2; Gaz. vol. 197; p. 114.
- Conveyer. L. W. Tlbyrić. No. 1,080,501; Dec. 2; Gaz. vol. 197; p. 203.
- Conveyer. M. J. Gibbons. No. 1,083,083; Dec. 30; Gaz. vol. 197; p. 1211.
- Conveyer and spiral chute, Combined tray-. M. C. Schwab. No. 1,074,387; Sept. 30; Gaz. vol. 194; p. 1052.
- Conveyer apparatus. P. E. Tall. No. 1,065,282; June 17; Gaz. vol. 191; p. 784.
- Conveyer apparatus, Pneumatic. H. N. Middleton. No. 1,062,352; May 20; Gaz. vol. 190; p. 685.
- Conveyer, Belt. B. A. Afzelius. No. 1,055,591; Mar. 11; Gaz. vol. 188; p. 350.
- Conveyer, Elevating-. R. L. Willits. No. 1,070,759; Aug. 19; Gaz. vol. 193; p. 645.
- Conveyer, Endless. L. C. Roberts. No. 1,066,658; July 8; Gaz. vol. 192; p. 293.
- Conveyer for coal and goaf-packing in colliery-inclines of low gradient, Self-acting. L. Hyve. No. 1,079,176; Nov. 18; Gaz. vol. 196; p. 732.
- Conveyer for driers. T. Allsop. No. 1,078,528; Nov. 11; Gaz. vol. 196; p. 474.
- Conveyer, Link-belt. W. F. Petersen. No. 1,069,901; Aug. 12; Gaz. vol. 193; p. 310.
- Conveyer made of perforated metal, Endless. W. W. Sibson and B. A. Parkes. No. 1,071,269; Aug. 26; Gaz. vol. 193; p. 847.
- Conveyer mechanism. J. Mussell. No. 1,057,576; Apr. 1; Gaz. vol. 189; p. 61.
- Conveyer mechanism. J. Conte. No. 1,079,165; Nov. 18; Gaz. vol. 196; p. 728.
- Conveyer or stirrer. D. J. Nevill. No. 1,067,365; July 15; Gaz. vol. 192; p. 571.
- Conveyer, Pneumatic. G. E. Lob. No. 1,053,412; Feb. 18; Gaz. vol. 187; p. 613.
- Conveyer, Pneumatic. E. T. Diden. No. 1,082,113; Dec. 23; Gaz. vol. 197; p. 844.
- Conveyer, Portable. J. and E. S. Legris. No. 1,073,054; Sept. 9; Gaz. vol. 194; p. 508.
- Conveyer, Sheet-. C. Raynaly. No. 1,065,273; June 17; Gaz. vol. 191; p. 780.
- Conveyer, Spiral gravity-. G. E. C. Williams. No. 1,069,049; July 29; Gaz. vol. 192; p. 1220.
- Conveyer, Swinging. C. L. Gardner. No. 1,052,579; Feb. 11; Gaz. vol. 187; p. 283.
- Conveyer system, Suction. W. G. Hudson. No. 1,067,220; July 8; Gaz. vol. 192; p. 486.
- Conveyers, Attachment for lateral. A. C. Van Houweling. No. 1,080,940; Dec. 9; Gaz. vol. 197; p. 387.
- Conveyers, Deflector for gravity-. M. C. Schwab. No. 1,069,036; July 29; Gaz. vol. 192; p. 1215.
- Conveyers, Deflector for gravity-. M. C. Schwab. No. 1,072,175; Sept. 2; Gaz. vol. 194; p. 173.
- Conveyers, Stripping mechanism for. J. E. Kelso. No. 1,073,907; Sept. 23; Gaz. vol. 194; p. 862.
- Conveyers, Supporting-idler for belt. S. F. Joor. No. 1,059,965; Apr. 22; Gaz. vol. 189; p. 995.
- Conveying and discharging apparatus. W. G. Wilson. No. 1,069,507; Aug. 5; Gaz. vol. 193; p. 146.
- Conveying and discharging apparatus, Magnetically-operated. W. G. Wilson. No. 1,071,847; Sept. 2; Gaz. vol. 194; p. 61.
- Conveying and feeding mechanism. F. Wegner. No. 1,069,362; Aug. 5; Gaz. vol. 193; p. 96.
- Conveying and spreading apparatus. A. L. Morton. No. 1,064,364; June 10; Gaz. vol. 191; p. 442.
- Conveying apparatus. Z. Rodakowski. No. 1,077,162; Oct. 28; Gaz. vol. 195; p. 995.
- Conveying apparatus. H. Seck. No. 1,077,918; Nov. 4; Gaz. vol. 196; p. 232.
- Conveying means. W. M. Schwartz and H. Coulston. No. 1,054,459; Feb. 25; Gaz. vol. 187; p. 1007.
- Conveying products, especially dry fish, Means for. J. Schrepler. No. 1,076,709; Oct. 28; Gaz. vol. 195; p. 842.
- Conveying system. A. C. McCord. No. 1,051,905; Feb. 4; Gaz. vol. 187; p. 20.
- Cooker. V. V. Brown. No. 1,058,288; Apr. 8; Gaz. vol. 189; p. 350.
- Cooker. L. W. Stehn. No. 1,060,864; May 6; Gaz. vol. 190; p. 104.
- Cooker. W. C. Anderson and A. R. Thompson. No. 1,062,379; May 20; Gaz. vol. 190; p. 694.
- Cooker. P. M. Conkey. No. 1,070,586; Aug. 19; Gaz. vol. 193; p. 587.
- Cooker and range, Combined fireless. V. W. Pallesen and J. Paulson. No. 1,073,924; Sept. 23; Gaz. vol. 194; p. 869.
- Cooker, Cereal-. T. Eckers. No. 1,054,097; Feb. 25; Gaz. vol. 187; p. 882.
- Cooker, Domestic. J. Lawrence. No. 1,069,440; Aug. 5; Gaz. vol. 193; p. 124.
- Cooker, Electric. W. Nichols and C. V. Uzzell. No. 1,049,517; Jan. 7; Gaz. vol. 186; p. 66.
- Cooker, Electric. L. G. Copeman. No. 1,053,280; Feb. 18; Gaz. vol. 187; p. 568.
- Cooker, Electric. F. C. Perkins. No. 1,056,933; Mar. 25; Gaz. vol. 188; p. 872.
- Cooker, Electric. C. C. Lillibridge. No. 1,065,148; June 17; Gaz. vol. 191; p. 739.
- Cooker, Fireless. A. K. Whitmer. No. 1,049,633; Jan. 7; Gaz. vol. 186; p. 109.
- Cooker, Fireless. H. M. Sheer. No. 1,056,595; Mar. 18; Gaz. vol. 188; p. 727.
- Cooker for oil-bearing meal, Steam-. A. B. Carr. No. 1,082,303; Dec. 23; Gaz. vol. 197; p. 912.
- Cooker, Steam-. C. R. Griffin. No. 1,050,452; Jan. 14; Gaz. vol. 186; p. 421.
- Cooker, Steam-. W. H. Cook. No. 1,079,841; Nov. 25; Gaz. vol. 196; p. 991.
- Cooking and cooling apparatus, Candy-syrup. N. Holman. No. 1,082,268; Dec. 23; Gaz. vol. 197; p. 899.
- Cooking and domestic utensil heated by electricity. J. Mann. No. 1,062,344; May 20; Gaz. vol. 190; p. 683.
- Cooking and for carrying out like operations by means of electricity, Apparatus for. G. G. Bell. No. 1,069,377; Aug. 5; Gaz. vol. 193; p. 102.
- Cooking and heating vessel. J. D. Betts. No. 1,050,095; Jan. 14; Gaz. vol. 186; p. 299.
- Cooking apparatus. F. V. Detwiler. No. 1,064,298; June 10; Gaz. vol. 191; p. 421.
- Cooking apparatus. G. G. Bell. No. 1,069,376; Aug. 5; Gaz. vol. 193; p. 101.
- Cooking apparatus, Electric. L. D. Smith. No. 1,068,706; July 29; Gaz. vol. 192; p. 1100.
- Cooking apparatus, Meat-. A. R. Lendner. No. 1,073,915; Sept. 23; Gaz. vol. 194; p. 866.
- Cooking apparatus, Meat-. F. Briggs. No. 1,079,160; Nov. 18; Gaz. vol. 196; p. 726.
- Cooking apparatus, Steam. W. C. Salmon. No. 1,060,500; Apr. 29; Gaz. vol. 189; p. 1224.
- Cooking device. G. H. Caughrean. No. 1,070,775; Aug. 19; Gaz. vol. 193; p. 650.
- Cooking device. L. Mendez. No. 1,076,383; Oct. 21; Gaz. vol. 195; p. 672.
- Cooking device, Electric. C. E. Sargent. No. 1,072,170; Sept. 2; Gaz. vol. 194; p. 171.
- Cooking device, Electrically-heated. H. P. Ball. No. 1,077,866; Nov. 4; Gaz. vol. 196; p. 214.
- Cooking machine, Ice-cream-cone-. J. P. Groset. No. 1,079,597; Nov. 25; Gaz. vol. 196; p. 906.
- Cooking-table. L. D. Winger. No. 1,051,180; Jan. 21; Gaz. vol. 186; p. 706.
- Cooking utensil. R. W. Hurd. No. 1,051,233; Jan. 21; Gaz. vol. 186; p. 722.
- Cooking utensil. S. A. Brooks. No. 1,053,780; Feb. 18; Gaz. vol. 187; p. 739.
- Cooking utensil. A. F. Cherney. No. 1,054,745; Mar. 4; Gaz. vol. 188; p. 31.
- Cooking utensil. C. D. Fraunfelder. No. 1,055,526; Mar. 11; Gaz. vol. 188; p. 329.
- Cooking utensil. F. Waller. No. 1,056,237; Mar. 18; Gaz. vol. 188; p. 604.
- Cooking utensil. G. F. Humphrey and H. Merrin. No. 1,056,547; Mar. 18; Gaz. vol. 188; p. 711.
- Cooking utensil. F. Nestor. No. 1,061,555; May 13; Gaz. vol. 190; p. 377.
- Cooking utensil. A. E. Trentowsky. No. 1,065,191; June 17; Gaz. vol. 191; p. 752.
- Cooking utensil. J. F. Hunholz. No. 1,070,476; Aug. 19; Gaz. vol. 193; p. 549.
- Cooking utensil. C. K. Grive. No. 1,071,909; Sept. 2; Gaz. vol. 194; p. 83.
- Cooking utensil. J. H. Wilson. No. 1,072,892; Sept. 9; Gaz. vol. 194; p. 451.
- Cooking utensil. E. Schmid. No. 1,074,647; Oct. 7; Gaz. vol. 195; p. 21.
- Cooking utensil. L. R. St. John. No. 1,080,861; Dec. 9; Gaz. vol. 197; p. 361.
- Cooking-utensil attachment. C. Gray. No. 1,065,867; June 24; Gaz. vol. 191; p. 1020.
- Cooking utensil, Combination. L. S. Dunn and E. Guelff. No. 1,063,516; June 3; Gaz. vol. 191; p. 117.
- Cooking-utensil cover-holder. J. R. W. Menger. No. 1,068,151; July 22; Gaz. vol. 192; p. 870.
- Cooking utensil, High-pressure steam-. T. J. Nash. No. 1,077,289; Nov. 4; Gaz. vol. 196; p. 16.
- Cooking-utensil spout. R. Lichtenberger. No. 1,052,673; Feb. 11; Gaz. vol. 187; p. 315.

Alphabetical list of inventions—Continued.

- Cooking utensils. Heating device for. T. W. McKenzie. No. 1,069,344; Aug. 5; Gaz. vol. 193; p. 90.
- Cooking vessel, Domestic. W. C. Shaw and C. D. Chapman. No. 1,063,609; June 3; Gaz. vol. 191; p. 151.
- Cooking vessel, Domestic air-tight. J. R. Hlavitzky. No. 1,059,159; Apr. 15; Gaz. vol. 189; p. 690.
- Cooking-vessel-draining utensil. E. D. Burdin. No. 1,058,146; Apr. 8; Gaz. vol. 189; p. 302.
- Cooler. See Air-cooler; Beer-cooler; Bottle-cooler; Butter-milk-cooler; Cocoa-cooler; Cream-cooler; Gas-cooler; Journal-box cooler; Liquid-cooler; Tire-cooler; Water-cooler.
- Cooling and ventilating apparatus, Combined. C. H. Coolidge. No. 1,054,749; Mar. 4; Gaz. vol. 188; p. 33.
- Cooling apparatus. M. G. Wild and F. J. Aikin. No. 1,065,415; June 24; Gaz. vol. 191; p. 868.
- Cooling apparatus, Conveyor for. W. F. Spring. No. 1,064,560; June 10; Gaz. vol. 191; p. 510.
- Cooling-board. C. E. Windom. No. 1,057,695; Apr. 1; Gaz. vol. 189; p. 102.
- Cooling-chest. C. T. Rivers. No. 1,082,173; Dec. 23; Gaz. vol. 197; p. 863.
- Cooling device. H. Hale. No. 1,076,421; Oct. 21; Gaz. vol. 195; p. 686.
- Cooling-tank. W. G. Lunger. No. 1,066,128; July 1; Gaz. vol. 192; p. 79.
- Coop and run, Brood-. C. E. Knudson. No. 1,061,850; May 13; Gaz. vol. 190; p. 473.
- Coop and trap, Combined. F. Kovacs. No. 1,064,347; June 10; Gaz. vol. 191; p. 437.
- Coop, Brooding-. C. Lyman. No. 1,081,847; Dec. 16; Gaz. vol. 197; p. 727.
- Coop, Chicken-. G. B. Norton. No. 1,051,250; Jan. 21; Gaz. vol. 186; p. 727.
- Coop, Collapsible poultry-. J. M. Schnebly and J. C. Beard. No. 1,050,855; Jan. 21; Gaz. vol. 186; p. 591.
- Coop, Folding. J. D. Pace. No. 1,071,458; Aug. 26; Gaz. vol. 193; p. 910.
- Coop, Folding chicken-. W. T. Phillips and J. Shelton. No. 1,066,418; July 1; Gaz. vol. 192; p. 178.
- Coop, Folding chicken-. U. G. Mignery. No. 1,067,129; July 8; Gaz. vol. 192; p. 452.
- Coop, Folding chicken-. A. C. Danielson. No. 1,080,542; Dec. 9; Gaz. vol. 197; p. 250.
- Coop, Portable poultry-. C. A. Wyman. No. 1,054,071; Feb. 25; Gaz. vol. 187; p. 873.
- Coop, Poultry-. E. W. Philo. No. 1,083,029; Dec. 30; Gaz. vol. 197; p. 1193.
- Coop, Poultry-shipping. M. E. Tynes. No. 1,069,743; Aug. 12; Gaz. vol. 193; p. 255.
- Coopering. C. P. Bossert. No. 1,055,986; Mar. 11; Gaz. vol. 188; p. 483.
- Cooper's tool. J. Losak. No. 1,051,742; Jan. 28; Gaz. vol. 186; p. 926.
- Cop-tubes, bobbins, spools, or the like, Holder for. S. W. Wardwell and C. A. Brink. No. 1,078,393; Nov. 11; Gaz. vol. 196; p. 431.
- Copper-bearing material, Obtaining values from. H. F. Wierum. No. 1,063,486; June 3; Gaz. vol. 191; p. 106.
- Copper, Electrolytically refining. G. D. Van Arsdale. No. 1,069,305; Aug. 5; Gaz. vol. 193; p. 76.
- Copper from its ores, Apparatus for recovering. H. M. Wilcox. No. 1,066,968; July 8; Gaz. vol. 192; p. 399.
- Copper from its ores, Recovering. U. Wedge. No. 1,063,629; June 3; Gaz. vol. 191; p. 159.
- Copper from its ores, Recovering. E. Schaaf and S. G. Martin. No. 1,069,981; Aug. 12; Gaz. vol. 193; p. 336.
- Copper from ore, Extracting. F. Laist. No. 1,076,833; Oct. 28; Gaz. vol. 195; p. 885.
- Copper from other metals, Removing. R. R. Moreno. No. 1,050,678; Jan. 14; Gaz. vol. 186; p. 496.
- Copper from other metals, Separating. T. A. Edison. No. 1,050,629; Jan. 14; Gaz. vol. 186; p. 481.
- Copper from other metals, Separating. T. A. Edison. No. 1,050,630; Jan. 14; Gaz. vol. 186; p. 482.
- Copper, Hardening. J. A. McLarty. No. 1,079,786; Nov. 25; Gaz. vol. 196; p. 974.
- Copper liquors, Treatment of. J. H. Thwaites. No. 1,069,205; Aug. 5; Gaz. vol. 193; p. 41.
- Copper matte, Method of and apparatus for bessemerizing. H. B. Jernee. No. 1,059,367; Apr. 22; Gaz. vol. 189; p. 797.
- Copper ores bearing precious metals, Treatment of. J. C. Clancy. No. 1,057,936; Apr. 1; Gaz. vol. 189; p. 185.
- Copper, Tempering. W. H. White. No. 1,062,067; May 20; Gaz. vol. 190; p. 588.
- Copper, Treating. D. W. Blair. No. 1,058,941; Apr. 15; Gaz. vol. 189; p. 614.
- Copy-holder. E. G. Williams. No. 1,052,396; Feb. 4; Gaz. vol. 187; p. 188.
- Copy-holder. M. G. Newton. No. 1,052,614; Feb. 11; Gaz. vol. 187; p. 296.
- Copy-holder. G. A. Marsh. No. 1,057,163; Mar. 25; Gaz. vol. 188; p. 952.
- Copy-holder. W. E. Smith. No. 1,060,795; May 6; Gaz. vol. 190; p. 78.
- Copy-holder. R. A. Hill. No. 1,074,430; Sept. 30; Gaz. vol. 194; p. 1066.
- Copy-holder. B. F. Peetz, H. S. McDanel, and N. W. Thompson. (Reissue.) No. 13,662; Dec. 23; Gaz. vol. 197; p. 972.
- Copying-cloths, &c., Press for. C. W. Jean. No. 1,058,001; Apr. 1; Gaz. vol. 189; p. 207.
- Copying letters. E. Lichtenstein. No. 1,049,741; Jan. 7; Gaz. vol. 186; p. 144.
- Cord-adjuster. D. Gould. No. 1,053,593; Feb. 18; Gaz. vol. 187; p. 677.
- Cord-adjuster. A. M. Johnson. No. 1,068,139; July 22; Gaz. vol. 192; p. 866.
- Cord-cutter. L. E. Barnard. No. 1,077,665; Nov. 4; Gaz. vol. 196; p. 146.
- Cord-fastening device. P. G. Abrams. No. 1,055,503; Mar. 11; Gaz. vol. 188; p. 323.
- Cord holder and dispenser device. C. C. Helman and G. W. Nixon. No. 1,076,885; Oct. 28; Gaz. vol. 195; p. 904.
- Cord-holder and fastener-clencher, Combination. W. A. Coates. No. 1,061,165; May 6; Gaz. vol. 190; p. 206.
- Cord knottter, Shock-. W. J. Kalinouski and A. Peters. No. 1,052,592; Feb. 11; Gaz. vol. 187; p. 287.
- Cord-slack take-up. N. S. Harter. No. 1,070,684; Aug. 19; Gaz. vol. 193; p. 619.
- Cordage and making same, Package of. K. G. Carpenter. No. 1,080,527; Dec. 2; Gaz. vol. 197; p. 213.
- Core-arbors, Device for connecting. E. M. Wright. No. 1,073,010; Sept. 9; Gaz. vol. 194; p. 493.
- Core-bar. E. H. Proffitt. No. 1,058,465; Apr. 8; Gaz. vol. 189; p. 413.
- Core-bar, Collapsible. A. H. Lewis. No. 1,078,446; Nov. 11; Gaz. vol. 196; p. 448.
- Core-box. J. W. L. Kerr and C. V. Neeson. No. 1,075,289; Oct. 7; Gaz. vol. 195; p. 244.
- Core, Collapsible. J. Yemiker and F. S. Stiles. No. 1,063,491; June 3; Gaz. vol. 191; p. 108.
- Core, Collapsible. J. Yemiker. No. 1,079,038; Nov. 18; Gaz. vol. 196; p. 684.
- Core for the manufacture of cement and cement-lined pipes. G. W. Priest. No. 1,076,229; Oct. 21; Gaz. vol. 195; p. 618.
- Core-making, Binder for. D. J. Ogilvy. No. 1,054,933; Mar. 4; Gaz. vol. 188; p. 94.
- Core-mold. F. Hamilton. No. 1,054,541; Feb. 25; Gaz. vol. 187; p. 1034.
- Core or arbor, Expanding. H. E. Wood. No. 1,056,480; Mar. 18; Gaz. vol. 188; p. 685.
- Core-picker, Friction. W. A. Brulé. No. 1,069,670; Aug. 12; Gaz. vol. 193; p. 230.
- Cores or molds, Means for producing. W. Kurze. No. 1,079,988; Dec. 2; Gaz. vol. 197; p. 24.
- Corer, Apple-. C. R. Thompson. No. 1,051,175; Jan. 21; Gaz. vol. 186; p. 704.
- Coring-machine, Automatic. G. W. Steelman and E. H. Sawyer. No. 1,066,233; July 1; Gaz. vol. 192; p. 118.
- Coring machine, Tomato-. A. P. Wolfe. No. 1,077,446; Nov. 4; Gaz. vol. 196; p. 73.
- Cork-disk-cutting machine. A. Bogdánffy. No. 1,066,986; July 8; Gaz. vol. 192; p. 405.
- Cork ends, Finishing. A. Bogdánffy. No. 1,049,983; Jan. 7; Gaz. vol. 186; p. 224.
- Cork-extractor. T. Winiecki. No. 1,055,377; Mar. 11; Gaz. vol. 188; p. 280.
- Cork-extractor. V. Hainisch. No. 1,062,458; May 20; Gaz. vol. 190; p. 720.
- Cork-extractor. F. M. Thurman. No. 1,064,566; June 10; Gaz. vol. 191; p. 513.
- Cork-extractor. A. L. Ridley. No. 1,082,555; Dec. 30; Gaz. vol. 197; p. 1029.
- Cork-fastener. C. E. Burnap. No. 1,066,250; July 1; Gaz. vol. 192; p. 124.
- Cork for bottle-seals, Treating. W. W. Mason. No. 1,059,057; Apr. 15; Gaz. vol. 189; p. 655.
- Cork holder and lifter. E. A. Reap and J. C. Johnston. No. 1,074,015; Sept. 23; Gaz. vol. 194; p. 899.
- Cork-making machines, Feeding attachment for crown-. A. Bogdánffy. No. 1,055,126; Mar. 4; Gaz. vol. 188; p. 160.
- Cork-making machines, Feeding attachment for crown-. B. Nagy. No. 1,063,720; June 3; Gaz. vol. 191; p. 191.
- Cork or closure member for bottles, containers, &c. J. S. Foley and H. A. Collis. No. 1,060,534; Apr. 29; Gaz. vol. 189; p. 1236.
- Cork-puller. R. B. Gilchrist. No. 1,058,361; Apr. 8; Gaz. vol. 189; p. 377.
- Cork-puller. A. Finsel. No. 1,061,904; May 13; Gaz. vol. 190; p. 490.
- Cork-puller. E. W. Moulton. No. 1,070,513; Aug. 19; Gaz. vol. 193; p. 562.
- Cork-puller, Automatic. E. Walker. No. 1,057,021; Mar. 25; Gaz. vol. 188; p. 903.
- Cork-retainer. O. B. Schellberg. No. 1,081,777; Dec. 16; Gaz. vol. 197; p. 702.
- Cork-stapling machine. J. G. Hansen and M. R. Schaffer. No. 1,064,474; June 10; Gaz. vol. 191; p. 482.
- Corks, Automatic feeder for metallic caps of crown-. S. Nagy. No. 1,053,634; Feb. 18; Gaz. vol. 187; p. 689.
- Corks, Treatment of. L. Pink. No. 1,056,447; Mar. 18; Gaz. vol. 188; p. 674.
- Corks with resisting neutral layers, Coating. L. Pink. No. 1,056,446; Mar. 18; Gaz. vol. 188; p. 674.

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- Corn-butting machine. J. Morral. (Reissue.) No. 13,518; Jan. 21; Gaz. vol. 186; p. 773.
- Corn-crib. H. L. Rahlf. No. 1,060,788; May 6; Gaz. vol. 190; p. 76.
- Corn drier, Seed-. R. C. Bryant and J. M. Darling. No. 1,052,457; Feb. 11; Gaz. vol. 187; p. 243.
- Corn-drying rack. A. Van Roekel. No. 1,069,913; Aug. 12; Gaz. vol. 193; p. 314.
- Corn gathering and husking machine. A. Asper. No. 1,056,727; Mar. 18; Gaz. vol. 188; p. 772.
- Corn-header. F. J. Logsdon. No. 1,055,341; Mar. 11; Gaz. vol. 188; p. 268.
- Corn-header. F. E. Spencer. No. 1,080,856; Dec. 9; Gaz. vol. 197; p. 359.
- Corn header and loader, Kafir-. M. S. and J. A. Brown. No. 1,054,822; Mar. 4; Gaz. vol. 188; p. 59.
- Corn header, Kafir-. T. A. Jordan. No. 1,053,401; Feb. 18; Gaz. vol. 187; p. 609.
- Corn-heading device. A. R. Johnson. No. 1,055,181; Mar. 4; Gaz. vol. 188; p. 176.
- Corn-husker. N. and L. Hewit. No. 1,068,130; July 22; Gaz. vol. 192; p. 862.
- Corn-husker. G. L. Miller. No. 1,068,261; July 22; Gaz. vol. 192; p. 909.
- Corn-husker. G. A. Stevens. No. 1,068,285; July 22; Gaz. vol. 192; p. 918.
- Corn-husker. E. Hockenbary. No. 1,068,655; July 29; Gaz. vol. 192; p. 1083.
- Corn-husker. J. H. Pierce. No. 1,077,230; Oct. 28; Gaz. vol. 195; p. 1017.
- Corn-husking machine. E. S. Jones. No. 1,051,500; Jan. 28; Gaz. vol. 186; p. 846.
- Corn-husking machine. A. Asper. No. 1,056,728; Mar. 18; Gaz. vol. 188; p. 772.
- Corn-husking machine. G. W. and O. Henderson. No. 1,071,416; Aug. 26; Gaz. vol. 193; p. 896.
- Corn-husking machine. E. Keith. No. 1,071,925; Sept. 2; Gaz. vol. 194; p. 88.
- Corn-husking machine. T. Stelchen. No. 1,077,313; Nov. 4; Gaz. vol. 196; p. 25.
- Corn-husking machine, Green-. G. Weiss. No. 1,055,957; Mar. 11; Gaz. vol. 188; p. 473.
- Corn-husking machines, Feeding device for. I. Woodring. No. 1,077,899; Nov. 4; Gaz. vol. 196; p. 225.
- Corn-husking machines, Husking-roll for. H. M. Loomis. No. 1,059,676; Apr. 22; Gaz. vol. 189; p. 901.
- Corn-parer, Safety. S. Korper. (Reissue.) No. 13,544; Mar. 11; Gaz. vol. 188; p. 488.
- Corn-popper. C. R. Taylor. No. 1,050,180; Jan. 14; Gaz. vol. 186; p. 326.
- Corn-popper. O. S. Ryerson. No. 1,064,011; June 10; Gaz. vol. 191; p. 323.
- Corn-popper. A. Danison. No. 1,067,226; July 8; Gaz. vol. 192; p. 487.
- Corn-popper. C. Cretors. No. 1,075,550; Oct. 14; Gaz. vol. 195; p. 359.
- Corn-popper. R. O. Stutsman. No. 1,078,521; Nov. 11; Gaz. vol. 196; p. 472.
- Corn-popper and peanut-roaster, Combined. F. C. Grob. No. 1,061,608; May 13; Gaz. vol. 190; p. 396.
- Corn-protector. J. E. Pulliam. No. 1,079,317; Nov. 18; Gaz. vol. 196; p. 777.
- Corn-rack. F. P. West. No. 1,078,814; Nov. 18; Gaz. vol. 196; p. 606.
- Corn rack and elevator. H. W. Steege. No. 1,080,084; Dec. 2; Gaz. vol. 197; p. 58.
- Corn rack and stand, Seed-. L. W. Klug. No. 1,062,242; May 20; Gaz. vol. 190; p. 648.
- Corn rack, Seed-. W. Vaudt. No. 1,064,401; June 10; Gaz. vol. 191; p. 456.
- Corn rack, Seed-. A. T. Martin. No. 1,071,670; Aug. 26; Gaz. vol. 193; p. 979.
- Corn rack, Seed-. G. W. Whitworth. No. 1,071,842; Sept. 2; Gaz. vol. 194; p. 60.
- Corn rack, Seed-. A. P. Hertsgaard. No. 1,079,241; Nov. 18; Gaz. vol. 196; p. 753.
- Corn-sheller. H. A. Adams. No. 1,055,436; Mar. 11; Gaz. vol. 188; p. 300.
- Corn-sheller cylinder and teeth. A. H. and H. A. Berns. No. 1,064,699; June 17; Gaz. vol. 191; p. 593.
- Corn-shield. F. C. Brown. No. 1,056,624; Mar. 18; Gaz. vol. 188; p. 736.
- Corn-shock loader. E. L. Taylor. No. 1,066,457; July 1; Gaz. vol. 192; p. 192.
- Corn-shock compressor. A. M. Grinder. No. 1,065,238; June 17; Gaz. vol. 191; p. 769.
- Corn-shocker. E. M. and R. L. Carter. No. 1,057,219; Mar. 25; Gaz. vol. 188; p. 971.
- Corn-silking machine. J. C. McIntyre. No. 1,076,688; Oct. 28; Gaz. vol. 195; p. 834.
- Corn stringer, Seed-. F. W. Karli. No. 1,082,875; Dec. 30; Gaz. vol. 197; p. 1142.
- Corn-stringing device, Seed-. O. Armstrong. No. 1,069,595; Aug. 5; Gaz. vol. 193; p. 174.
- Corn tester, Seed-. J. M. Sullivan. No. 1,056,307; Mar. 18; Gaz. vol. 188; p. 627.
- Corn, Trimmer for butt-ends of. J. B. Zimmerman and O. S. Sells. No. 1,077,577; Nov. 4; Gaz. vol. 196; p. 117.
- Corner-bar. H. J. Fixmer. No. 1,066,196; July 1; Gaz. vol. 192; p. 105.
- Corner-bead. G. S. Knapp. No. 1,049,733; Jan. 7; Gaz. vol. 186; p. 141.
- Corner-clamp for show-cases or the like. J. W. J. Egelund. No. 1,067,511; July 15; Gaz. vol. 192; p. 620.
- Corner-clamp for use with fabric-stretchers. T. R. McCloskey. No. 1,065,460; June 24; Gaz. vol. 191; p. 882.
- Corner-clamping appliance. O. Bergstrom. No. 1,053,556; Feb. 18; Gaz. vol. 187; p. 663.
- Corner-piece. S. V. Duffy. No. 1,066,389; July 1; Gaz. vol. 192; p. 170.
- Corner-post fastener. E. H. Woelfel. No. 1,074,919; Oct. 7; Gaz. vol. 195; p. 112.
- Cornet. E. A. Couturier. No. 1,073,593; Sept. 23; Gaz. vol. 194; p. 754.
- Cornet-mate. A. L. Tillemann. No. 1,064,183; June 10; Gaz. vol. 191; p. 382.
- Cornet-mouthpiece. C. G. Conn. No. 1,050,344; Jan. 14; Gaz. vol. 186; p. 382.
- Cornice-brake machine. H. C. Dreisvogt. No. 1,067,167; July 8; Gaz. vol. 192; p. 466.
- Corrosion of underground metallic structures, Means for preventing. C. Hering. No. 1,055,327; Mar. 11; Gaz. vol. 188; p. 262.
- Corrugating and slitting machine. H. Jones. No. 1,067,521; July 15; Gaz. vol. 192; p. 623.
- Corrugating-machine. J. H. Amesbury. No. 1,051,660; Jan. 28; Gaz. vol. 186; p. 901.
- Corset. I. Lack. No. 1,058,763; Apr. 15; Gaz. vol. 189; p. 551.
- Corset. M. L. Sobra. No. 1,061,697; May 13; Gaz. vol. 190; p. 427.
- Corset. W. R. Greenfield. No. 1,062,276; May 20; Gaz. vol. 190; p. 660.
- Corset. J. E. Heilner. No. 1,077,932; Nov. 4; Gaz. vol. 196; p. 237.
- Corset. R. Yeganian. No. 1,081,007; Dec. 9; Gaz. vol. 197; p. 408.
- Corset. S. A. Jenyns. No. 1,081,385; Dec. 16; Gaz. vol. 197; p. 573.
- Corset and abdominal supporter, Combined. E. Drensh-tein. No. 1,061,664; May 13; Gaz. vol. 190; p. 415.
- Corset, Apparel-. D. Kops. No. 1,058,183; Apr. 8; Gaz. vol. 189; p. 316.
- Corset, Apparel-. D. Kops. No. 1,062,977; May 27; Gaz. vol. 190; p. 932.
- Corset, Apparel-. D. Kops. No. 1,072,128; Sept. 2; Gaz. vol. 194; p. 157.
- Corset, Apparel-. D. Kops. No. 1,072,862; Sept. 9; Gaz. vol. 194; p. 439.
- Corset, Apparel-. D. Kops. No. 1,078,356; Nov. 11; Gaz. vol. 196; p. 417.
- Corset, Apparel-. D. Kops. No. 1,082,273; Dec. 23; Gaz. vol. 197; p. 901.
- Corset construction. C. L. Olmstead. No. 1,051,626; Jan. 28; Gaz. vol. 186; p. 889.
- Corset-cover. I. R. Huntzinger. No. 1,062,467; May 20; Gaz. vol. 190; p. 722.
- Corset-cover and bust-ruffles, Combined. G. B. Smith. No. 1,062,858; May 27; Gaz. vol. 190; p. 894.
- Corset-fastener. W. J. McLean. No. 1,075,048; Oct. 7; Gaz. vol. 195; p. 158.
- Corset-fastener. V. B. Berger. No. 1,075,895; Oct. 14; Gaz. vol. 195; p. 476.
- Corset-fastener. E. Calkins. No. 1,079,210; Nov. 18; Gaz. vol. 196; p. 743.
- Corset-fastener. A. Rockowitz. No. 1,079,921; Nov. 25; Gaz. vol. 196; p. 1020.
- Corset, Maternity-. M. W. James. No. 1,065,368; June 24; Gaz. vol. 191; p. 852.
- Corset-stay fastener. I. M. Mitchell. No. 1,081,977; Dec. 23; Gaz. vol. 197; p. 798.
- Corset-stay-tip protector. A. E. Powers. No. 1,074,644; Oct. 7; Gaz. vol. 195; p. 20.
- Corset-stay, Wire. H. B. Downer. No. 1,075,338; Oct. 14; Gaz. vol. 195; p. 285.
- Corset-stay, Wire. M. M. Downer. No. 1,075,339; Oct. 14; Gaz. vol. 195; p. 286.
- Corset-steel. T. F. Somers. No. 1,077,861; Nov. 4; Gaz. vol. 196; p. 212.
- Cosmetic. L. S. Penn. No. 1,081,327; Dec. 16; Gaz. vol. 197; p. 553.
- Cot. A. P. Pascale and R. Daae. No. 1,080,577; Dec. 9; Gaz. vol. 197; p. 260.
- Cot, Alarm-. W. E. Grabenhorst. No. 1,049,850; Jan. 7; Gaz. vol. 186; p. 181.
- Cot, Folding. M. S. Karpen. No. 1,074,954; Oct. 7; Gaz. vol. 195; p. 124.
- Cot or couch. J. L. Tandy. No. 1,050,249; Jan. 14; Gaz. vol. 186; p. 349.
- Cots, Adjustment for invalids. R. R. Miller. No. 1,077,359; Nov. 4; Gaz. vol. 196; p. 41.
- Cotter-pin, Locking. A. C. Campbell. No. 1,057,218; Mar. 25; Gaz. vol. 188; p. 971.
- Cotter-pin, Self-locking. W. A. Lorenz. No. 1,056,190; Mar. 18; Gaz. vol. 188; p. 587.
- Cotton-batting, Means for folding and rolling up. M. J. Stack. No. 1,053,544; Feb. 18; Gaz. vol. 187; p. 659.

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- Cotton-bolls, Apparatus for maturing immature and frost-bitten. J. E. Lee. No. 1,073,914; Sept. 23; Gaz. vol. 194; p. 865.
- Cotton-chopper. P. C. Gallaway. No. 1,049,841; Jan. 7; Gaz. vol. 186; p. 178.
- Cotton-chopper. J. R. Weaver. No. 1,051,792; Jan. 28; Gaz. vol. 186; p. 942.
- Cotton-chopper. G. N. Chenault. No. 1,053,376; Feb. 18; Gaz. vol. 187; p. 566.
- Cotton-chopper. W. C. Longenecker. No. 1,054,299; Feb. 25; Gaz. vol. 187; p. 950.
- Cotton-chopper. J. W. Noble. No. 1,054,787; Mar. 4; Gaz. vol. 188; p. 46.
- Cotton-chopper. W. S. Roderick and A. J. Warner. No. 1,056,123; Mar. 18; Gaz. vol. 188; p. 565.
- Cotton-chopper. S. C. Senn. No. 1,057,462; Apr. 1; Gaz. vol. 189; p. 23.
- Cotton-chopper. S. Baxley. No. 1,059,107; Apr. 15; Gaz. vol. 189; p. 673.
- Cotton-chopper. J. W. Earnest. No. 1,059,288; Apr. 15; Gaz. vol. 189; p. 734.
- Cotton-chopper. M. A. Jones. No. 1,059,470; Apr. 22; Gaz. vol. 189; p. 834.
- Cotton-chopper. B. W. Forrest. No. 1,059,534; Apr. 22; Gaz. vol. 189; p. 855.
- Cotton-chopper. G. B. C. Foster. No. 1,061,233; May 6; Gaz. vol. 190; p. 230.
- Cotton-chopper. T. Wheeler. No. 1,062,674; May 27; Gaz. vol. 190; p. 833.
- Cotton-chopper. O. S. Hellums. No. 1,064,645; June 10; Gaz. vol. 191; p. 538.
- Cotton-chopper. T. H. Ellis. No. 1,069,324; Aug. 5; Gaz. vol. 193; p. 82.
- Cotton-chopper. J. W. Clayton. No. 1,070,873; Aug. 19; Gaz. vol. 193; p. 681.
- Cotton-chopper. G. A. Woodrom. No. 1,071,493; Aug. 26; Gaz. vol. 193; p. 921.
- Cotton-chopper. S. H. Liles and R. J. Baucom. No. 1,073,355; Sept. 16; Gaz. vol. 194; p. 651.
- Cotton-chopper. W. A. Crow. No. 1,074,494; Sept. 30; Gaz. vol. 194; p. 1086.
- Cotton-chopper. A. F. Root. No. 1,075,672; Oct. 14; Gaz. vol. 195; p. 400.
- Cotton-chopper. H. Pruett. No. 1,078,749; Nov. 18; Gaz. vol. 196; p. 582.
- Cotton-chopper. R. Freuler. No. 1,082,418; Dec. 23; Gaz. vol. 197; p. 949.
- Cotton-chopper and cultivator. R. Hamilton. No. 1,059,936; Apr. 22; Gaz. vol. 189; p. 985.
- Cotton-chopper, Cultivating. C. T. Starkey. No. 1,054,995; Mar. 4; Gaz. vol. 188; p. 116.
- Cotton-chopper machine. J. R. Penn. No. 1,079,577; Nov. 25; Gaz. vol. 196; p. 898.
- Cotton-chopping machine. W. M. Roberts. No. 1,076,063; Oct. 21; Gaz. vol. 195; p. 562.
- Cotton-cleaner. H. J. Davis. No. 1,054,183; Feb. 25; Gaz. vol. 187; p. 913.
- Cotton-cleaner. W. F. Palmer. No. 1,064,989; June 17; Gaz. vol. 191; p. 688.
- Cotton-cleaner. W. A. Patterson. No. 1,067,370; July 15; Gaz. vol. 192; p. 572.
- Cotton-cleaner. J. F. Appleby. No. 1,076,939; Oct. 28; Gaz. vol. 195; p. 923.
- Cotton cleaner and separator. S. F. Krupp. No. 1,069,708; Aug. 12; Gaz. vol. 193; p. 242.
- Cotton cleaner, Seed-. M. R. Davis. No. 1,071,987; Sept. 2; Gaz. vol. 194; p. 108.
- Cotton cleaning and feeding machine. C. W. Cook. No. 1,078,833; Nov. 18; Gaz. vol. 196; p. 613.
- Cotton-cleaning apparatus. T. N. Brown. No. 1,059,270; Apr. 15; Gaz. vol. 189; p. 727.
- Cotton-cleaning machine. W. D. Nash. No. 1,058,997; Apr. 15; Gaz. vol. 189; p. 634.
- Cotton-cleaning-machine feeding mechanism. D. Parks. No. 1,081,461; Dec. 16; Gaz. vol. 197; p. 598.
- Cotton-compress. W. Hill. No. 1,062,465; May 20; Gaz. vol. 190; p. 722.
- Cotton-condenser. S. D. Murray. No. 1,059,196; Apr. 15; Gaz. vol. 189; p. 703.
- Cotton-condenser. T. S. Grimes. No. 1,081,111; Dec. 9; Gaz. vol. 197; p. 440.
- Cotton condenser and regulator. J. B. Nixon. No. 1,079,949; Dec. 2; Gaz. vol. 197; p. 9.
- Cotton, &c., Device for feeding. J. C. Potter. No. 1,076,059; Oct. 21; Gaz. vol. 195; p. 561.
- Cotton-drying machine. N. H. Benefield. No. 1,068,845; July 29; Gaz. vol. 192; p. 1151.
- Cotton extracting and cleaning machine. B. S. Elliott. No. 1,081,594; Dec. 16; Gaz. vol. 197; p. 641.
- Cotton-extracting machine. J. F. Appleby. No. 1,060,880; May 6; Gaz. vol. 190; p. 110.
- Cotton for dyeing and bleaching, Preparing. A. J. Dronsfield. No. 1,077,263; Nov. 4; Gaz. vol. 196; p. 8.
- Cotton-gathering apparatus. G. T. Merritt. No. 1,052,361; Feb. 4; Gaz. vol. 187; p. 175.
- Cotton-gin. G. Lisenard and S. K. Lichtenstein. No. 1,056,700; Mar. 18; Gaz. vol. 188; p. 761.
- Cotton-gin. S. K. Lichtenstein and G. Lisenard. No. 1,063,985; June 10; Gaz. vol. 191; p. 313.
- Cotton-gin. I. Meurling. No. 1,076,837; Oct. 28; Gaz. vol. 195; p. 886.
- Cotton-gin-feeding mechanism. A. Riemenschneider. No. 1,074,016; Sept. 23; Gaz. vol. 194; p. 900.
- Cotton-gin, Roller. S. D. Shepperd. No. 1,074,534; Sept. 30; Gaz. vol. 194; p. 1098.
- Cotton-gin roller. S. D. Shepperd. No. 1,080,487; Dec. 2; Gaz. vol. 197; p. 199.
- Cotton-gins, Comb-roll for roller. S. D. Shepperd. No. 1,074,473; Sept. 30; Gaz. vol. 194; p. 1080.
- Cotton-gins, Variable-feed mechanism for. T. S. Grimes. No. 1,069,413; Aug. 5; Gaz. vol. 193; p. 114.
- Cotton-grader. J. B. Floyd. No. 1,057,379; Mar. 25; Gaz. vol. 188; p. 1023.
- Cotton-hull extractor, Seed-. L. K. Stephens. No. 1,070,994; Aug. 19; Gaz. vol. 193; p. 720.
- Cotton huller, cleaner, and feeder. J. F. Wolfinger. No. 1,070,934; Aug. 19; Gaz. vol. 193; p. 700.
- Cotton knife and hook. J. R. Bowers. No. 1,060,811; May 6; Gaz. vol. 190; p. 84.
- Cotton-machine. J. C. Conrad. No. 1,058,846; Apr. 15; Gaz. vol. 189; p. 581.
- Cotton-opening machines, Evener for. J. C. Potter. No. 1,072,649; Sept. 9; Gaz. vol. 194; p. 363.
- Cotton-packer. T. L. Kinne. No. 1,077,477; Nov. 4; Gaz. vol. 196; p. 85.
- Cotton-picker. P. P. Haring. No. 1,054,113; Feb. 25; Gaz. vol. 187; p. 887.
- Cotton-picker. H. E. Fourcher. No. 1,054,836; Mar. 4; Gaz. vol. 188; p. 63.
- Cotton-picker. T. E. Straus. No. 1,067,282; July 15; Gaz. vol. 192; p. 543.
- Cotton-picker. T. E. Straus. No. 1,067,283; July 15; Gaz. vol. 192; p. 543.
- Cotton-picker. R. C. Teel. No. 1,067,691; July 15; Gaz. vol. 192; p. 682.
- Cotton-picker. O. C. Houghton. No. 1,074,622; Oct. 7; Gaz. vol. 195; p. 11.
- Cotton-picker. E. Swindell. No. 1,080,127; Dec. 2; Gaz. vol. 197; p. 73.
- Cotton-picker. J. W. Dinsmore. No. 1,080,899; Dec. 9; Gaz. vol. 197; p. 373.
- Cotton-picker. E. Gathmann. No. 1,083,079; Dec. 30; Gaz. vol. 197; p. 1210.
- Cotton-picker machine. A. St. Onge. No. 1,073,785; Sept. 23; Gaz. vol. 194; p. 822.
- Cotton-picking machine. P. P. Haring. No. 1,076,573; Oct. 21; Gaz. vol. 195; p. 740.
- Cotton-picking machine. A. St. Onge. No. 1,076,715; Oct. 28; Gaz. vol. 195; p. 843.
- Cotton-picking machine. J. F. Appleby. No. 1,078,327; Nov. 11; Gaz. vol. 196; p. 405.
- Cotton-picking machine. J. F. Appleby. No. 1,078,328; Nov. 11; Gaz. vol. 196; p. 406.
- Cotton-picking machines, Vacuum-head for. W. K. Dana. No. 1,067,802; July 22; Gaz. vol. 192; p. 752.
- Cotton-press, Revolving double-box. T. S. Grimes. No. 1,068,336; July 22; Gaz. vol. 192; p. 935.
- Cotton-presses, Automatic packer mechanism for. J. F. Smith. No. 1,074,022; Sept. 23; Gaz. vol. 194; p. 902.
- Cotton-sack clamp. J. W. Staton. No. 1,068,014; July 22; Gaz. vol. 192; p. 824.
- Cotton-stalk cutter. J. Thomsen. No. 1,054,882; Mar. 4; Gaz. vol. 188; p. 79.
- Cotton-stalk knocker. T. G. Strickland. No. 1,075,610; Oct. 14; Gaz. vol. 195; p. 380.
- Cotton-thinning machine. W. Freeman. No. 1,055,628; Mar. 11; Gaz. vol. 188; p. 362.
- Cotton-tramper. H. J. Davis. No. 1,050,110; Jan. 14; Gaz. vol. 186; p. 303.
- Cotton, Treating. F. J. Mauborgne. No. 1,056,195; Mar. 18; Gaz. vol. 188; p. 589.
- Cotton-waste, Apparatus for producing. W. Rothe. No. 1,070,632; Aug. 19; Gaz. vol. 193; p. 601.
- Cotton-waste, Machine for working. E. H. Rooney. No. 1,061,327; May 13; Gaz. vol. 190; p. 297.
- Couch and bath-tub, Combined. W. C. James. No. 1,077,199; Oct. 28; Gaz. vol. 195; p. 1007.
- Couch and bed, Combined folding. G. B. Sanders. No. 1,060,560; Apr. 29; Gaz. vol. 189; p. 1245.
- Couch, bed, &c., Combination. A. G. Eyles. No. 1,074,937; Oct. 7; Gaz. vol. 195; p. 119.
- Couch, Collapsible. C. J. Ayres. No. 1,072,297; Sept. 2; Gaz. vol. 194; p. 212.
- Couch fabric. C. H. Gail. No. 1,051,723; Jan. 28; Gaz. vol. 186; p. 921.
- Couch-fabric machine. J. F. Gail. No. 1,051,724; Jan. 28; Gaz. vol. 186; p. 921.
- Couch, Folding. D. C. Travis and F. Blackmer. No. 1,050,873; Jan. 21; Gaz. vol. 186; p. 599.
- Couch, Folding. J. Hoey. No. 1,067,736; July 15; Gaz. vol. 192; p. 697.
- Couch, Folding. J. Hoey. No. 1,080,217; Dec. 2; Gaz. vol. 197; p. 104.
- Couch or couch-bed. C. L. Plunkett. No. 1,061,403; May 13; Gaz. vol. 190; p. 323.
- Couch or divan. B. B. Englander. No. 1,061,532; May 13; Gaz. vol. 190; p. 369.
- Counter-buffing machine. N. A. Monfils. No. 1,072,868; Sept. 9; Gaz. vol. 194; p. 441.

Alphabetical list of inventions—Continued.

- Counter-cutting machine. R. A. Lancey. No. 1,054,216; Feb. 25; Gaz. vol. 187; p. 925.
- Counter-pad. L. S. Riley. No. 1,061,127; May 6; Gaz. vol. 190; p. 196.
- Counter. Repeating-. W. Grunow, Jr. No. 1,056,411; Mar. 18; Gaz. vol. 188; p. 660.
- Counter, Resetting. E. R. Newell and A. D. Somers. No. 1,054,363; Feb. 25; Gaz. vol. 187; p. 974.
- Counter-resetting tool. C. C. Abbott. No. 1,068,091; July 22; Gaz. vol. 192; p. 849.
- Counter, Revolution-. C. Korte. No. 1,077,611; Nov. 4; Gaz. vol. 196; p. 127.
- Counter-supporter. R. J. Bulkley. No. 1,066,462; July 8; Gaz. vol. 192; p. 224.
- Counter, Universal. L. S. Riley. No. 1,061,126; May 6; Gaz. vol. 190; p. 195.
- Counterbalance, Automatic end-thrust. A. C. Paulsmeier. No. 1,057,007; Mar. 25; Gaz. vol. 188; p. 897.
- Counterpoised bracket. A. F. Pieper. No. 1,070,525; Aug. 19; Gaz. vol. 193; p. 566.
- Countersinking-drill. A. C. Darling, Jr. No. 1,070,425; Aug. 19; Gaz. vol. 193; p. 531.
- Counting device, Passenger-. M. H. Crampton. No. 1,064,619; June 10; Gaz. vol. 191; p. 530.
- Counting device, Portable automatic. R. M. McCulloch. No. 1,079,183; Nov. 18; Gaz. vol. 196; p. 734.
- Counting-machine. M. Ruckes. No. 1,059,318; Apr. 15; Gaz. vol. 189; p. 744.
- Counting-machine. A. von Barth. No. 1,060,884; May 6; Gaz. vol. 190; p. 111.
- Counting-machine. A. von Barth. No. 1,068,036; July 22; Gaz. vol. 192; p. 831.
- Counting-machine, Coin-. C. L. Burdick. No. 1,066,180; July 1; Gaz. vol. 192; p. 98.
- Counting machine, Money-. C. L. Burdick. No. 1,066,181; July 1; Gaz. vol. 192; p. 98.
- Counting mechanism. J. E. Sheppard. No. 1,051,922; Feb. 4; Gaz. vol. 187; p. 25.
- Counting-wheel. I. S. Dement. No. 1,070,427; Aug. 19; Gaz. vol. 193; p. 532.
- Coupé wind-shield. A. H. Knight. No. 1,051,419; Jan. 28; Gaz. vol. 186; p. 818.
- Coupling. *See* Accordion octave-coupling; Agricultural-machinery coupling; Air-coupling; Air-brake coupling; Air-brake-hose coupling; Automatic coupling; Ball-bearing coupling; Belt-coupling; Cable and tube coupling; Cable-section coupling; Car-coupling; Car hose coupling; Chain-coupling; Drill-rod coupling; Drill-rope coupling; Driving-wheel coupling; Electrical coupling; Faucet-coupling; Fixture-coupling; Flexible coupling; Hose-coupling; Pipe-coupling; Pump-rod coupling; Railway-vehicle coupling; Rose-coupling; Rubber-packed coupling; Shaft-coupling; Shaft flexible coupling; Sucker-rod coupling; Suspender-coupling; Thill-coupling; Tower or derrick coupling; Transmitting-coupling; Tube-coupling; Valved coupling; Vehicle-coupling; Veil-coupling; Windmill-coupling.
- Coupling. O. P. M. Squires. No. 1,050,308; Jan. 14; Gaz. vol. 186; p. 370.
- Coupling. M. J. Drury and G. W. Wright. No. 1,057,810; Apr. 1; Gaz. vol. 189; p. 142.
- Coupling. J. R. Cardwell. No. 1,058,722; Apr. 15; Gaz. vol. 189; p. 536.
- Coupling. G. J. Courtney. No. 1,063,418; June 3; Gaz. vol. 191; p. 84.
- Coupling. R. H. Rogers. No. 1,065,969; July 1; Gaz. vol. 192; p. 23.
- Coupling. J. W. Klme. No. 1,066,735; July 8; Gaz. vol. 192; p. 321.
- Coupling. W. H. Kennedy. No. 1,069,146; Aug. 5; Gaz. vol. 193; p. 19.
- Coupling. F. Newlin. No. 1,070,165; Aug. 12; Gaz. vol. 193; p. 400.
- Coupling. C. S. Hutton. No. 1,071,235; Aug. 26; Gaz. vol. 193; p. 836.
- Coupling. W. S. Eubank. No. 1,075,703; Oct. 14; Gaz. vol. 195; p. 411.
- Coupling. J. O. Martin. No. 1,079,253; Nov. 18; Gaz. vol. 196; p. 756.
- Coupling. J. Sachs. No. 1,082,558; Dec. 30; Gaz. vol. 197; p. 1030.
- Coupling-brake or draft-rigging. H. T. Krakau. No. 1,063,699; June 3; Gaz. vol. 191; p. 185.
- Coupling device. C. C. Clark. No. 1,053,277; Feb. 18; Gaz. vol. 187; p. 567.
- Coupling device, Differential. J. H. Deming. No. 1,075,142; Oct. 7; Gaz. vol. 195; p. 191.
- Coupling guard-arm. E. P. Kinne. No. 1,058,760; Apr. 15; Gaz. vol. 189; p. 550.
- Coupling-rod extension. S. K. Dickerson. No. 1,076,272; Oct. 21; Gaz. vol. 195; p. 632.
- Couplings, Making. C. W. Birchwood. No. 1,050,422; Jan. 14; Gaz. vol. 186; p. 409.
- Couplings, Pivot-pin support for. H. F. Pope. No. 1,072,162; Sept. 2; Gaz. vol. 194; p. 169.
- Coupon-slip. W. S. Finley. No. 1,054,639; Feb. 25; Gaz. vol. 187; p. 1068.
- Cover clamp and lock. A. Campbell. No. 1,060,162; Apr. 29; Gaz. vol. 189; p. 1105.
- Cover-fastener. H. M. Sarvant. No. 1,051,015; Jan. 21; Gaz. vol. 186; p. 650.
- Cover-fastener. E. F. Jones. No. 1,073,136; Sept. 16; Gaz. vol. 194; p. 573.
- Cover-fastener. B. F. Ford. No. 1,073,482; Sept. 16; Gaz. vol. 194; p. 695.
- Cover for culinary vessels. M. Pearl and C. F. Reimann. No. 1,055,073; Mar. 4; Gaz. vol. 188; p. 144.
- Cover holder or rack, Utensil-. N. Sarter and O. J. Behm. No. 1,065,000; June 17; Gaz. vol. 191; p. 691.
- Cover, Receptacle-. W. Tunnessen. No. 1,051,651; Jan. 28; Gaz. vol. 186; p. 897.
- Cover-securing device. H. Morooklan. No. 1,057,006; Mar. 25; Gaz. vol. 188; p. 897.
- Covers to receptacles, Machine for applying. J. T. Bond. No. 1,050,606; Jan. 14; Gaz. vol. 186; p. 475.
- Covering circular objects, Machine for. C. J. Landin. No. 1,053,408; Feb. 18; Gaz. vol. 187; p. 612.
- Covering-machine. A. Beutler. No. 1,073,085; Sept. 16; Gaz. vol. 194; p. 556.
- Cow-tail holder. J. Penney. No. 1,051,756; Jan. 28; Gaz. vol. 186; p. 931.
- Cow-tail holder. L. O. Junkin. No. 1,057,845; Apr. 1; Gaz. vol. 189; p. 154.
- Cow-tail holder. C. W. Stegner. No. 1,078,808; Nov. 18; Gaz. vol. 196; p. 604.
- Crab-trap, Knockdown. B. Svoboda. No. 1,054,880; Mar. 4; Gaz. vol. 188; p. 79.
- Cracker and cake cutters, Machine for mechanically cleaning. C. R. Lentz. No. 1,053,954; Feb. 18; Gaz. vol. 187; p. 797.
- Cracker-box detent. V. Odquist. No. 1,055,486; Mar. 11; Gaz. vol. 188; p. 317.
- Cradle, Blotting-. F. C. Benedict. No. 1,079,206; Nov. 18; Gaz. vol. 196; p. 741.
- Cradle-rocking device, Child's-. A. J. Smith. No. 1,069,196; Aug. 5; Gaz. vol. 193; p. 38.
- Cranberries and other products, Machine for venting. H. H. Harrison. No. 1,069,946; Aug. 12; Gaz. vol. 193; p. 324.
- Crane and derrick. O. N. Gardner. No. 1,077,467; Nov. 4; Gaz. vol. 196; p. 80.
- Crane, Bridge-. E. H. Steedman. No. 1,053,545; Feb. 18; Gaz. vol. 187; p. 659.
- Crane for handling freight. H. Sawyer. No. 1,064,383; June 10; Gaz. vol. 191; p. 449.
- Crane-hook-locking device. A. Johnson. No. 1,051,114; Jan. 21; Gaz. vol. 186; p. 684.
- Crane, Luffing-. A. H. Mitchell. No. 1,069,801; Aug. 12; Gaz. vol. 193; p. 275.
- Crane or derrick, Traction-engine. E. J. Solomon. No. 1,066,158; July 1; Gaz. vol. 192; p. 89.
- Crane or the like. C. H. Tucker. No. 1,076,333; Oct. 21; Gaz. vol. 195; p. 655.
- Crane, Outdoor cooking-. E. W. Wall. No. 1,071,834; Sept. 2; Gaz. vol. 194; p. 57.
- Crane, Train-order. E. A. Huss. No. 1,069,428; Aug. 5; Gaz. vol. 193; p. 119.
- Cranes, Locking mechanism for transfer-. G. F. Steedman. No. 1,053,667; Feb. 18; Gaz. vol. 187; p. 701.
- Cranes, Means for locking traveling. W. K. Monroe. No. 1,064,519; June 10; Gaz. vol. 191; p. 496.
- Cranes, Suspension device for monorail-. S. H. Libby. No. 1,077,726; Nov. 4; Gaz. vol. 196; p. 165.
- Crank-arm. E. B. Craft. No. 1,079,472; Nov. 25; Gaz. vol. 196; p. 861.
- Crank fender-operator, Controller-. E. Guthrie. No. 1,075,647; Oct. 14; Gaz. vol. 195; p. 393.
- Crank, Folding starting-. V. Link. No. 1,059,884; Apr. 22; Gaz. vol. 189; p. 967.
- Crank-pin-turning machine. J. Purcell. No. 1,059,635; Apr. 22; Gaz. vol. 189; p. 887.
- Crank-pins and the like, Means for indicating fractures in. H. Van Dyken. No. 1,052,392; Feb. 4; Gaz. vol. 187; p. 187.
- Crank-pins or like parts, Machine for turning off. F. T. Dersch. No. 1,068,861; July 29; Gaz. vol. 192; p. 1156.
- Crank-shaft. H. L. Bock. No. 1,063,323; June 3; Gaz. vol. 191; p. 51.
- Crank-shaft. A. De Coninck. No. 1,077,511; Nov. 4; Gaz. vol. 196; p. 96.
- Crank-shaft support. A. P. Witteman. No. 1,080,797; Dec. 9; Gaz. vol. 197; p. 338.
- Crank-shafts, Manufacture of multiple-throw. P. A. Leonard. No. 1,070,619; Aug. 19; Gaz. vol. 193; p. 597.
- Crank substitute. A. J. Jacobson. No. 1,054,350; Feb. 25; Gaz. vol. 187; p. 969.
- Crank-turner. W. Schellenbach. No. 1,067,138; July 8; Gaz. vol. 192; p. 456.
- Cranking device. R. D. Clemson. No. 1,052,438; Feb. 4; Gaz. vol. 187; p. 203.
- Cranking device. J. B. Eastes. No. 1,071,990; Sept. 2; Gaz. vol. 194; p. 110.
- Cranking device, Automatic. C. H. Brown. No. 1,061,595; May 13; Gaz. vol. 190; p. 391.
- Crate. W. H. Creswell. No. 1,055,521; Mar. 11; Gaz. vol. 188; p. 327.
- Crate. H. Brown. No. 1,056,146; Mar. 18; Gaz. vol. 188; p. 573.

Alphabetical list of inventions—Continued.

- Crate. A. P. Dick, Jr. No. 1,059,352; Apr. 22; Gaz. vol. 189; p. 792.
- Crate. D. Guice. No. 1,061,371; May 13; Gaz. vol. 190; p. 311.
- Crate. H. D. Bokop. No. 1,068,038; July 22; Gaz. vol. 192; p. 832.
- Crate. J. F. Schoeppl. No. 1,080,077; Dec. 2; Gaz. vol. 197; p. 56.
- Crate. A. Uovorka. No. 1,081,831; Dec. 16; Gaz. vol. 197; p. 721.
- Crate, Bottle. L. B. Kauffmann. No. 1,050,142; Jan. 14; Gaz. vol. 186; p. 313.
- Crate, Bottle. A. L. Foreman. No. 1,050,823; Jan. 21; Gaz. vol. 186; p. 580.
- Crate, Breeding. J. D. Spangler. No. 1,073,369; Sept. 16; Gaz. vol. 194; p. 656.
- Crate-clamping machine. C. T. Dickson. No. 1,055,723; Mar. 11; Gaz. vol. 188; p. 394.
- Crate, Collapsible. A. A. Howell and E. R. Martin. No. 1,064,328; June 10; Gaz. vol. 191; p. 431.
- Crate, Collapsible. A. J. and W. H. Bodker. No. 1,064,601; June 10; Gaz. vol. 191; p. 524.
- Crate, Collapsible. C. L. Perdue. No. 1,071,672; Aug. 26; Gaz. vol. 193; p. 980.
- Crate, Collapsible shipping. A. Boyer. No. 1,065,026; June 17; Gaz. vol. 191; p. 699.
- Crate, Collapsible shipping. C. B. Guthrie. No. 1,079,702; Nov. 25; Gaz. vol. 196; p. 941.
- Crate, Collapsible shipping. J. E. Edwards. No. 1,080,753; Dec. 9; Gaz. vol. 197; p. 322.
- Crate, Crab. C. A. Looekerman. No. 1,073,356; Sept. 16; Gaz. vol. 194; p. 651.
- Crate-cover fastener. M. Wesley. No. 1,056,477; Mar. 18; Gaz. vol. 188; p. 685.
- Crate, Foldable. E. T. Bond. No. 1,070,578; Aug. 19; Gaz. vol. 193; p. 584.
- Crate, Foldable. E. T. Bond. No. 1,076,623; Oct. 21; Gaz. vol. 195; p. 759.
- Crate, Foldable. E. T. Bond. No. 1,082,676; Dec. 30; Gaz. vol. 197; p. 1073.
- Crate, Folding. C. F. Miesen. No. 1,055,482; Mar. 11; Gaz. vol. 188; p. 315.
- Crate, Folding. Z. L. Sutton. No. 1,066,338; July 1; Gaz. vol. 192; p. 153.
- Crate, Folding. W. Buckhannon. No. 1,069,639; Aug. 5; Gaz. vol. 193; p. 189.
- Crate, Folding. N. A. Clute. No. 1,079,328; Nov. 25; Gaz. vol. 196; p. 813.
- Crate, Folding. W. Herzfeldt. No. 1,080,553; Dec. 9; Gaz. vol. 197; p. 253.
- Crate, Folding. L. M. Green. No. 1,081,957; Dec. 23; Gaz. vol. 197; p. 791.
- Crate, Folding shipping. J. F. Myser. No. 1,050,378; Jan. 14; Gaz. vol. 186; p. 394.
- Crate for bottles. F. Eschenbach. No. 1,052,140; Feb. 4; Gaz. vol. 187; p. 103.
- Crate for metal cylinders. L. Werliin. No. 1,060,522; Apr. 29; Gaz. vol. 189; p. 1231.
- Crate, Knockdown. T. Cooke. No. 1,072,826; Sept. 9; Gaz. vol. 194; p. 426.
- Crate or shipping-box, Egg. L. D. Morton. No. 1,072,487; Sept. 9; Gaz. vol. 194; p. 307.
- Crate, Resilient fruit. I. Hill. No. 1,074,323; Sept. 30; Gaz. vol. 194; p. 1030.
- Crate, Seed-corn and grain. A. F. Howden. No. 1,076,038; Oct. 21; Gaz. vol. 195; p. 554.
- Crate, Wire-bound. H. G. Mead. No. 1,077,624; Nov. 4; Gaz. vol. 196; p. 132.
- Crayon composition. T. H. Pope. No. 1,062,253; May 20; Gaz. vol. 190; p. 653.
- Cream and similar substances, Treating. F. H. Stanley. No. 1,075,514; Oct. 14; Gaz. vol. 195; p. 347.
- Cream-cooler. J. O. Hoher. No. 1,074,361; Sept. 30; Gaz. vol. 194; p. 1043.
- Cream-cooler. B. E. Anglund. No. 1,077,383; Nov. 4; Gaz. vol. 196; p. 50.
- Cream, Cosmetic. R. C. and E. D. Thomas. No. 1,073,787; Sept. 23; Gaz. vol. 194; p. 823.
- Cream-remover. W. L. Ellingwood. No. 1,079,848; Nov. 25; Gaz. vol. 196; p. 993.
- Cream-separator. A. Dymack. No. 1,055,892; Mar. 11; Gaz. vol. 188; p. 452.
- Cream-separator. F. Peterson. No. 1,063,059; May 27; Gaz. vol. 190; p. 960.
- Cream-separator and churn. A. Fay. No. 1,057,335; Mar. 25; Gaz. vol. 188; p. 1008.
- Cream-separator and churn. A. Fay. No. 1,072,219; Sept. 2; Gaz. vol. 194; p. 187.
- Cream-separator, Centrifugal. J. and A. Persoons. No. 1,080,997; Dec. 9; Gaz. vol. 197; p. 406.
- Cream-separators, Skimming device for. F. Ecaubert. No. 1,050,820; Jan. 21; Gaz. vol. 186; p. 579.
- Creamery-vats, Air-purifying device for. F. R. Noonan. No. 1,063,583; June 3; Gaz. vol. 191; p. 140.
- Creasing-iron. H. W. Pogue. No. 1,055,793; Mar. 11; Gaz. vol. 188; p. 419.
- Credential-carrying case. E. Junge. No. 1,059,735; Apr. 22; Gaz. vol. 189; p. 920.
- Credit-register. F. J. Peterson. No. 1,051,002; Jan. 21; Gaz. vol. 186; p. 645.
- Credit-slip-holding memorandum device. J. H. Ringer. No. 1,069,474; Aug. 5; Gaz. vol. 193; p. 136.
- Creel. J. P. Cronin. No. 1,072,580; Sept. 9; Gaz. vol. 194; p. 340.
- Creel-board. H. W. Owen. No. 1,076,697; Oct. 28; Gaz. vol. 195; p. 838.
- Cremating-closet and garbage-destructor, Portable. N. Frost. No. 1,051,722; Jan. 28; Gaz. vol. 186; p. 920.
- Cremation-furnace. A. H. Davidson and S. Sundelius. No. 1,068,571; July 29; Gaz. vol. 192; p. 1053.
- Creosote-heater. J. B. Knapp. No. 1,052,418; Feb. 4; Gaz. vol. 187; p. 196.
- Cresting-holder. W. Conlan. No. 1,060,587; May 6; Gaz. vol. 190; p. 8.
- Crib. J. Hudry. No. 1,054,416; Feb. 25; Gaz. vol. 187; p. 992.
- Crib and coop, Convertible. E. M. Trimble. No. 1,079,675; Nov. 25; Gaz. vol. 196; p. 931.
- Crib and intake, Combined. W. D. Barber. No. 1,078,658; Nov. 18; Gaz. vol. 196; p. 549.
- Crib, Baby. F. M. Sawyer. No. 1,060,637; May 6; Gaz. vol. 190; p. 25.
- Crib, Grain. H. B. Naylor. No. 1,061,683; May 13; Gaz. vol. 190; p. 422.
- Crib, Infant's. C. P. Roberts. No. 1,064,171; June 10; Gaz. vol. 191; p. 377.
- Crimping-tool. J. Wood. No. 1,067,160; July 8; Gaz. vol. 192; p. 464.
- Crimping-tool. E. D. Chellis. No. 1,067,797; July 22; Gaz. vol. 192; p. 750.
- Crochet or overseaming machine. W. P. Drumbeller. No. 1,057,375; Mar. 25; Gaz. vol. 188; p. 1021.
- Crochet or overseaming machine. W. P. Drumbeller. No. 1,057,376; Mar. 25; Gaz. vol. 188; p. 1021.
- Crock lid, Milk. M. F. Boring. No. 1,064,603; June 10; Gaz. vol. 191; p. 525.
- Crockery and other articles, Support for. D. G. Heninger. No. 1,049,856; Jan. 7; Gaz. vol. 186; p. 183.
- Cross-bearer. J. M. Rohlfing. No. 1,066,533; July 8; Gaz. vol. 192; p. 249.
- Cross, Folding. A. H. Smith. No. 1,052,980; Feb. 11; Gaz. vol. 187; p. 420.
- Cross-head. M. D. Joyner. No. 1,061,179; May 6; Gaz. vol. 190; p. 211.
- Cross-roller support. R. W. Peterson. No. 1,069,719; Aug. 12; Gaz. vol. 193; p. 246.
- Cross-tie. G. W. Vroman. No. 1,070,863; Aug. 19; Gaz. vol. 193; p. 677.
- Cross-tie. H. L. Day. No. 1,073,406; Sept. 16; Gaz. vol. 194; p. 669.
- Cross-tie form. A. Pettis. No. 1,061,946; May 13; Gaz. vol. 190; p. 506.
- Crossing. W. Keffer. No. 1,072,855; Sept. 9; Gaz. vol. 194; p. 436.
- Crossing-gate, Motor-operated. J. J. Gard and E. G. Ruthrauff. No. 1,049,843; Jan. 7; Gaz. vol. 186; p. 179.
- Crossing-signal. W. A. Hesse. No. 1,067,734; July 15; Gaz. vol. 192; p. 696.
- Crown-pin extractor. F. H. Skinner. No. 1,072,517; Sept. 9; Gaz. vol. 194; p. 317.
- Crucible. G. N. Jeppson. No. 1,081,535; Dec. 16; Gaz. vol. 197; p. 624.
- Crucible-furnace. R. Eickworth. No. 1,054,286; Feb. 25; Gaz. vol. 187; p. 946.
- Crucible-furnace. H. Koch. No. 1,073,912; Sept. 23; Gaz. vol. 194; p. 865.
- Crucible-furnace, Portable. M. Harvey. No. 1,062,970; May 27; Gaz. vol. 190; p. 930.
- Cruppers, Machine for stuffing. J. B. Bastian. No. 1,074,155; Sept. 30; Gaz. vol. 194; p. 975.
- Crusher. See Clod-crusher; Laboratory-crusher; Ore-crusher; Rock-crusher.
- Crusher. A. Niedermeyer and R. Bernhard. No. 1,054,135; Feb. 25; Gaz. vol. 187; p. 895.
- Crusher. J. W. Scherrer. No. 1,057,283; Mar. 25; Gaz. vol. 188; p. 993.
- Crusher. B. W. Traylor. No. 1,062,520; May 20; Gaz. vol. 190; p. 740.
- Crusher. R. C. Newhouse. No. 1,065,332; June 17; Gaz. vol. 191; p. 801.
- Crusher. W. H. Lieber. No. 1,065,535; June 24; Gaz. vol. 191; p. 909.
- Crusher. R. C. Newhouse. No. 1,066,218; July 1; Gaz. vol. 192; p. 112.
- Crusher. E. Friedrich. No. 1,078,342; Nov. 11; Gaz. vol. 196; p. 411.
- Crusher-roller for coal-breakers, &c. E. L. Clark. No. 1,058,948; Apr. 15; Gaz. vol. 189; p. 617.
- Crushing and grinding mill. J. Mohs. No. 1,063,463; June 3; Gaz. vol. 191; p. 99.
- Crushing and pulverizing material, Machine for. J. L. Hiller. No. 1,051,887; Feb. 4; Gaz. vol. 187; p. 13.
- Crushing-machine. J. E. Symons. No. 1,058,114; Apr. 8; Gaz. vol. 189; p. 291.
- Crushing-machine. E. B. Symons. No. 1,069,496; Aug. 5; Gaz. vol. 193; p. 142.
- Crushing-machine. E. B. Symons. No. 1,072,193; Sept. 2; Gaz. vol. 194; p. 179.
- Crushing-mill. J. S. Bartley. No. 1,064,680; June 10; Gaz. vol. 191; p. 551.

Alphabetical list of inventions—Continued.

- Crushing-mill. T. J. Sturtevant. No. 1,072,057; Sept. 2; Gaz. vol. 194; p. 132.
- Crushing-mill. T. J. Sturtevant. No. 1,072,058; Sept. 2; Gaz. vol. 194; p. 132.
- Crushing-mill. T. J. Sturtevant. No. 1,072,059; Sept. 2; Gaz. vol. 194; p. 132.
- Crushing or pulverizing materials. C. Dietz and E. Gofferje. No. 1,074,847; Oct. 7; Gaz. vol. 195; p. 88.
- Crushing-rolls. R. Bernhard. No. 1,065,998; July 1; Gaz. vol. 192; p. 33.
- Crutch. G. A. Newell. No. 1,061,397; May 13; Gaz. vol. 190; p. 320.
- Crutch. H. Winthers. No. 1,063,846; June 3; Gaz. vol. 191; p. 232.
- Crutch. J. Bauerle. No. 1,077,216; Oct. 28; Gaz. vol. 195; p. 1013.
- Crutch, Adjustable. L. J. Finkle and C. A. Sherman. No. 1,068,878; July 29; Gaz. vol. 192; p. 1162.
- Crutch, Adjustable. F. H. Jones. No. 1,073,991; Sept. 23; Gaz. vol. 194; p. 892.
- Crutch-tip. W. B. Wilcox. No. 1,055,111; Mar. 4; Gaz. vol. 188; p. 155.
- Crystalline monozinc formaldehyde sulfoxylate. M. Bazlen, E. Rieger, and T. Wohlfahrt. No. 1,063,004; May 27; Gaz. vol. 190; p. 941.
- Cue-rack lift. T. R. Freiberg. No. 1,066,555; July 8; Gaz. vol. 192; p. 257.
- Cue-shave. P. Balzano. No. 1,079,687; Nov. 25; Gaz. vol. 196; p. 936.
- Cue-tip machine. W. C. Martin. No. 1,053,193; Feb. 18; Gaz. vol. 187; p. 537.
- Cuff. C. H. Smith. No. 1,080,380; Dec. 2; Gaz. vol. 197; p. 164.
- Cuff, Detachable. L. D. Livingston. No. 1,065,881; June 24; Gaz. vol. 191; p. 1026.
- Cuff, Detachable reversible. C. M. Steinmetz. No. 1,068,464; July 29; Gaz. vol. 192; p. 1017.
- Cuff-fastener. J. Volmer. No. 1,059,790; Apr. 22; Gaz. vol. 189; p. 939.
- Cuff-fastener. S. Friedmann. No. 1,072,110; Sept. 2; Gaz. vol. 194; p. 151.
- Cuff, Fold-. H. Friedmann. No. 1,079,484; Nov. 25; Gaz. vol. 196; p. 865.
- Cuff-holder. H. W. Winter. No. 1,059,804; Apr. 22; Gaz. vol. 189; p. 944.
- Cuff-link. F. H. Mooney. No. 1,068,519; July 29; Gaz. vol. 192; p. 1035.
- Cuff-link. G. W. Abraham. No. 1,082,145; Dec. 23; Gaz. vol. 197; p. 854.
- Cuff-pin. W. W. Williams. No. 1,066,352; July 1; Gaz. vol. 192; p. 158.
- Cuff-plies and the like, Mechanism for turning. O. A. Wheeler. No. 1,050,074; Jan. 7; Gaz. vol. 186; p. 257.
- Cuff-press. W. Bartholomew. No. 1,054,269; Feb. 25; Gaz. vol. 187; p. 941.
- Cuff-protector and blotter. L. J. Martin. No. 1,054,584; Feb. 25; Gaz. vol. 187; p. 1050.
- Cuff, Reversible. S. Binswanger. No. 1,077,032; Oct. 28; Gaz. vol. 195; p. 956.
- Cuff, Reversible shirt-. M. Binswanger. No. 1,060,421; Apr. 29; Gaz. vol. 189; p. 1198.
- Cuff, Shirt-. G. W. Wood. No. 1,081,802; Dec. 16; Gaz. vol. 197; p. 710.
- Culinary apparatus. E. J. Ovington. No. 1,072,154; Sept. 2; Gaz. vol. 194; p. 167.
- Culinary appliance. L. B. Brown. No. 1,054,503; Feb. 25; Gaz. vol. 187; p. 1023.
- Culinary article. T. R. Delgado. No. 1,051,701; Jan. 28; Gaz. vol. 186; p. 913.
- Culinary article. J. R. Bentley. No. 1,065,997; July 1; Gaz. vol. 192; p. 33.
- Culinary-article support. C. Nelson. No. 1,080,775; Dec. 9; Gaz. vol. 197; p. 330.
- Culinary utensil. R. J. Bowen. No. 1,066,788; July 8; Gaz. vol. 192; p. 338.
- Culinary utensil. R. Washburn and A. L. Comtois. No. 1,067,290; July 15; Gaz. vol. 192; p. 546.
- Culinary utensil. F. E. Walk. No. 1,077,946; Nov. 4; Gaz. vol. 196; p. 243.
- Culinary vessel. J. E. Bell. No. 1,050,794; Jan. 21; Gaz. vol. 186; p. 570.
- Culinary vessel. M. Pearl. No. 1,055,072; Mar. 4; Gaz. vol. 188; p. 143.
- Cultivating-machine. T. F. Spires. No. 1,051,772; Jan. 28; Gaz. vol. 186; p. 935.
- Cultivating-machine. W. C. Knapp. No. 1,058,370; Apr. 8; Gaz. vol. 189; p. 381.
- Cultivating machine, Cotton-. R. T. and W. R. Simmons. No. 1,079,671; Nov. 25; Gaz. vol. 196; p. 930.
- Cultivator. C. T. Ruff. No. 1,051,012; Jan. 21; Gaz. vol. 186; p. 649.
- Cultivator. H. Petersen. No. 1,051,253; Jan. 21; Gaz. vol. 186; p. 728.
- Cultivator. R. V. Merritt. No. 1,051,612; Jan. 28; Gaz. vol. 186; p. 885.
- Cultivator. A. D. Adriaance. No. 1,053,341; Feb. 18; Gaz. vol. 187; p. 589.
- Cultivator. W. P. Morrow. No. 1,053,630; Feb. 18; Gaz. vol. 187; p. 687.
- Cultivator. W. J. Perry. No. 1,054,609; Feb. 25; Gaz. vol. 187; p. 1057.
- Cultivator. W. S. Graham. No. 1,057,143; Mar. 25; Gaz. vol. 188; p. 945.
- Cultivator. C. A. Peterson. No. 1,058,788; Apr. 15; Gaz. vol. 189; p. 559.
- Cultivator. W. D. Felkel. No. 1,059,133; Apr. 15; Gaz. vol. 189; p. 681.
- Cultivator. W. L. Paul. No. 1,059,202; Apr. 15; Gaz. vol. 189; p. 705.
- Cultivator. J. W. Squires. No. 1,059,498; Apr. 22; Gaz. vol. 189; p. 843.
- Cultivator. F. N. Taff. No. 1,062,374; May 20; Gaz. vol. 190; p. 693.
- Cultivator. J. H. McGowen. No. 1,062,923; May 27; Gaz. vol. 190; p. 915.
- Cultivator. M. S. Yoder. No. 1,064,585; June 10; Gaz. vol. 191; p. 519.
- Cultivator. W. H. Keen and A. P. Bellows. No. 1,067,986; July 22; Gaz. vol. 192; p. 813.
- Cultivator. J. S. Marsh. No. 1,068,513; July 29; Gaz. vol. 192; p. 1034.
- Cultivator. L. Sessler. No. 1,070,072; Aug. 12; Gaz. vol. 193; p. 366.
- Cultivator. W. P. Morrow. No. 1,070,281; Aug. 12; Gaz. vol. 193; p. 439.
- Cultivator. J. H. Foster. No. 1,073,672; Sept. 23; Gaz. vol. 194; p. 783.
- Cultivator. L. Kanyo. No. 1,074,502; Sept. 30; Gaz. vol. 194; p. 1089.
- Cultivator. H. C. Howell. No. 1,074,950; Oct. 7; Gaz. vol. 195; p. 123.
- Cultivator. J. B. Denham and G. Vance. No. 1,075,243; Oct. 7; Gaz. vol. 195; p. 225.
- Cultivator. V. Lauer. No. 1,075,832; Oct. 14; Gaz. vol. 195; p. 455.
- Cultivator. C. R. Benefield. No. 1,076,476; Oct. 21; Gaz. vol. 195; p. 706.
- Cultivator. S. B. McCormick. No. 1,078,634; Nov. 18; Gaz. vol. 196; p. 542.
- Cultivator. J. B. Bonneau, Jr. No. 1,078,898; Nov. 18; Gaz. vol. 196; p. 634.
- Cultivator. N. McAslan. No. 1,079,421; Nov. 25; Gaz. vol. 196; p. 844.
- Cultivator. E. W. Green. No. 1,079,854; Nov. 25; Gaz. vol. 196; p. 996.
- Cultivator. H. Nagel. No. 1,080,993; Dec. 9; Gaz. vol. 197; p. 404.
- Cultivator. A. A. and L. A. Nash. No. 1,081,767; Dec. 16; Gaz. vol. 197; p. 698.
- Cultivator and chopper, Cotton. D. B. Dowdell. No. 1,075,553; Oct. 14; Gaz. vol. 195; p. 360.
- Cultivator and cotton-chopper, Combined. W. F. Adkison. No. 1,066,172; July 1; Gaz. vol. 192; p. 95.
- Cultivator and cotton-chopper, Combined. J. P. Jones. No. 1,066,911; July 8; Gaz. vol. 192; p. 380.
- Cultivator and harvester, Submarine. N. A. Lybeck. No. 1,079,182; Nov. 18; Gaz. vol. 196; p. 734.
- Cultivator and plow attachment. A. W. Daniels. No. 1,074,166; Sept. 30; Gaz. vol. 194; p. 979.
- Cultivator and weed-killer, Combined. L. E. Sherwood. No. 1,067,765; July 15; Gaz. vol. 192; p. 706.
- Cultivator attachment. F. Barz. No. 1,054,491; Feb. 25; Gaz. vol. 187; p. 1018.
- Cultivator attachment. J. L. Beene. No. 1,058,140; Apr. 8; Gaz. vol. 189; p. 300.
- Cultivator attachment. L. C. Thomason. No. 1,060,797; May 6; Gaz. vol. 190; p. 79.
- Cultivator attachment. E. I. Gorham. No. 1,062,329; May 20; Gaz. vol. 190; p. 678.
- Cultivator attachment. C. W. Hill. No. 1,072,119; Sept. 2; Gaz. vol. 194; p. 154.
- Cultivator attachment. W. F. Boud. No. 1,074,487; Sept. 30; Gaz. vol. 194; p. 1084.
- Cultivator attachment. J. E. Moody. No. 1,074,729; Oct. 7; Gaz. vol. 195; p. 49.
- Cultivator attachment. J. W. Gamble. No. 1,079,938; Dec. 2; Gaz. vol. 197; p. 6.
- Cultivator attachment. W. H. Ledbetter. No. 1,081,539; Dec. 16; Gaz. vol. 197; p. 625.
- Cultivator attachment, Riding-. W. O. Creek. No. 1,075,092; Oct. 7; Gaz. vol. 195; p. 173.
- Cultivator, Beet-. C. E. White. No. 1,057,022; Mar. 25; Gaz. vol. 188; p. 903.
- Cultivator-blade. T. V. Barnard. No. 1,050,714; Jan. 14; Gaz. vol. 186; p. 507.
- Cultivator, Dirigible. J. R. Shaw. No. 1,068,369; July 22; Gaz. vol. 192; p. 946.
- Cultivator, Disk. G. A. Manfull. No. 1,065,883; June 24; Gaz. vol. 191; p. 1026.
- Cultivator, Disk. L. A. Drummond. No. 1,075,410; Oct. 14; Gaz. vol. 195; p. 311.
- Cultivator disk attachment. E. Jones. No. 1,060,905; May 6; Gaz. vol. 190; p. 119.
- Cultivator-fender. W. A. Thomas. No. 1,079,197; Nov. 18; Gaz. vol. 196; p. 739.
- Cultivator fertilizer attachment. H. A. and T. S. Frantz and W. H. Troxell. No. 1,053,944; Feb. 18; Gaz. vol. 187; p. 793.

Alphabetical list of inventions—Continued.

- Cultivator fertilizer attachment. H. A. and T. S. Frantz and W. H. Troxell. No. 1,053,945; Feb. 18; Gaz. vol. 187; p. 794.
- Cultivator-frame, Adjustable. W. L. Schmidt. No. 1,051,018; Jan. 21; Gaz. vol. 186; p. 650.
- Cultivator frame, Traction-. W. A. McKinney. No. 1,076,049; Oct. 21; Gaz. vol. 195; p. 557.
- Cultivator-guard. J. F. Reuss. No. 1,057,275; Mar. 25; Gaz. vol. 188; p. 989.
- Cultivator harrow attachment. N. A. Lasater. No. 1,053,302; Feb. 18; Gaz. vol. 187; p. 574.
- Cultivator harrow attachment. G. W. Redwine. No. 1,066,844; July 8; Gaz. vol. 192; p. 356.
- Cultivator harrow attachment. H. E. Lancaster. No. 1,079,566; Nov. 25; Gaz. vol. 196; p. 894.
- Cultivator, Motor-. B. Gast. No. 1,051,836; Jan. 28; Gaz. vol. 186; p. 957.
- Cultivator, Motor-. T. F. McGough. No. 1,081,686; Dec. 16; Gaz. vol. 197; p. 670.
- Cultivator or harrow. J. Herman. No. 1,068,901; July 29; Gaz. vol. 192; p. 1170.
- Cultivator or weed-cutter, Subfoliage and other. R. Mansell. No. 1,052,264; Feb. 4; Gaz. vol. 187; p. 145.
- Cultivator, Orchard-. E. Brown. No. 1,073,325; Sept. 16; Gaz. vol. 194; p. 641.
- Cultivator, Riding-. C. M. Clements. No. 1,050,614; Jan. 14; Gaz. vol. 186; p. 477.
- Cultivator, Riding-. J. O. Kennemer. No. 1,066,284; July 1; Gaz. vol. 192; p. 136.
- Cultivator, Soil-. S. G. Stevens. No. 1,063,079; May 27; Gaz. vol. 190; p. 966.
- Cultivator, Spring-tooth. A. Brigden. No. 1,061,354; May 13; Gaz. vol. 190; p. 306.
- Cultivator, Straddle-row. J. L. Ford and S. C. Leacock. No. 1,051,209; Jan. 21; Gaz. vol. 186; p. 714.
- Cultivator, Tobacco-. J. M. Harned. No. 1,074,619; Oct. 7; Gaz. vol. 195; p. 10.
- Cultivator-tooth. J. J. Stalder. No. 1,073,642; Sept. 23; Gaz. vol. 194; p. 771.
- Cultivator, Two-row. I. A. Weaver. No. 1,054,884; Mar. 4; Gaz. vol. 188; p. 80.
- Cultivator, Wheel-. S. T. Hudson. No. 1,071,639; Aug. 26; Gaz. vol. 193; p. 970.
- Cultivator, Wheeled. A. C. Lindgren. No. 1,054,698; Mar. 4; Gaz. vol. 188; p. 14.
- Cultivator, Wheeled. S. D. Poole. No. 1,075,937; Oct. 14; Gaz. vol. 195; p. 491.
- Cultivator with rotatively-driven cultivating-disks, Automobile. M. Landrin. No. 1,055,765; Mar. 11; Gaz. vol. 188; p. 410.
- Cultivators and plows, Automatic weed-cutter and hoeing attachment for. J. R. Orr and W. Radley, Jr. No. 1,050,993; Jan. 21; Gaz. vol. 186; p. 642.
- Cultivators, &c., Beam-spring trip for. T. B. Alsop. No. 1,068,832; July 29; Gaz. vol. 192; p. 1146.
- Cultivators, Combined leveler and weed-gatherer for. L. A. Larson. No. 1,061,387; May 13; Gaz. vol. 190; p. 317.
- Cultivators, Fertilizing attachment for. W. V. Anderson. No. 1,050,593; Jan. 14; Gaz. vol. 186; p. 470.
- Cultivators, Riding attachment for. C. N. Pulse. No. 1,066,843; July 8; Gaz. vol. 192; p. 355.
- Culvert. G. A. Belknap. No. 1,054,895; Mar. 4; Gaz. vol. 188; p. 83.
- Culvert. J. H. Schlafly. No. 1,055,806; Mar. 11; Gaz. vol. 188; p. 423.
- Culvert. J. H. Schlafly. No. 1,058,198; Apr. 8; Gaz. vol. 189; p. 320.
- Culvert. D. F. Youngblood. No. 1,059,585; Apr. 22; Gaz. vol. 189; p. 872.
- Culvert. F. G. Bradbury. No. 1,070,382; Aug. 12; Gaz. vol. 193; p. 475.
- Culvert. J. H. Schlafly. No. 1,072,173; Sept. 2; Gaz. vol. 194; p. 172.
- Culvert. R. B. Hibbs. No. 1,074,718; Oct. 7; Gaz. vol. 195; p. 46.
- Culvert. J. H. Schlafly. No. 1,077,232; Oct. 28; Gaz. vol. 195; p. 1018.
- Culvert. W. H. Klauer. No. 1,082,878; Dec. 30; Gaz. vol. 197; p. 1143.
- Culvert and culvert-pipe. F. B. Zieg. No. 1,053,134; Feb. 11; Gaz. vol. 187; p. 474.
- Culvert form, Concrete-. G. W. Countryman. No. 1,074,492; Sept. 30; Gaz. vol. 194; p. 1086.
- Culvert, Metal. W. T. Shannon. No. 1,071,102; Aug. 26; Gaz. vol. 193; p. 792.
- Culvert, Metallic. R. M. Hereford. No. 1,070,807; Aug. 19; Gaz. vol. 193; p. 660.
- Culvert, Metallic. W. P. Du Chemin. No. 1,083,242; Dec. 30; Gaz. vol. 197; p. 1261.
- Culvert-mold. B. E. Woodhull and W. A. Wilson. No. 1,055,380; Mar. 11; Gaz. vol. 188; p. 281.
- Culvert-mold. A. Bailey. No. 1,058,526; Apr. 8; Gaz. vol. 189; p. 433.
- Culvert-mold. J. F. Peck. No. 1,061,491; May 13; Gaz. vol. 190; p. 353.
- Culvert, Nesting. A. A. Ambler. No. 1,082,578; Dec. 30; Gaz. vol. 197; p. 1038.
- Culvert-pipe. H. D. Wyre. No. 1,052,198; Feb. 4; Gaz. vol. 187; p. 123.
- Culvert-pipe, Knockdown. A. Bruce. No. 1,065,429; June 24; Gaz. vol. 191; p. 872.
- Culvert, Sheet-metal. J. H. Dean. No. 1,049,816; Jan. 7; Gaz. vol. 186; p. 170.
- Culvert, Sheet-metal. J. H. Dean. No. 1,049,817; Jan. 7; Gaz. vol. 186; p. 170.
- Culvert, Sheet-metal. J. H. Dean. No. 1,050,055; Jan. 7; Gaz. vol. 186; p. 250.
- Culvert, Sheet-metal. J. H. Dean. No. 1,050,056; Jan. 7; Gaz. vol. 186; p. 251.
- Culvert, Sheet-metal. E. R. Probert. No. 1,066,945; July 8; Gaz. vol. 192; p. 392.
- Culvert, Sheet-metal. W. T. Shannon. No. 1,071,185; Aug. 26; Gaz. vol. 193; p. 819.
- Culvert, Sheet-metal. J. H. Dean. No. 1,080,329; Dec. 2; Gaz. vol. 197; p. 144.
- Culvert, Sheet-metal. G. H. Charls. No. 1,083,002; Dec. 30; Gaz. vol. 197; p. 1185.
- Culvert, Sheet-metal. J. H. Dean. No. 1,083,062; Dec. 30; Gaz. vol. 197; p. 1204.
- Culverts, Bank-retainer for. B. Scully and A. E. Rigby. No. 1,069,650; Aug. 5; Gaz. vol. 193; p. 192.
- Culverts, Collapsible form for building. C. A. Besser. No. 1,055,862; Mar. 11; Gaz. vol. 188; p. 442.
- Culverts, conduits, and drainage-tiling, Sheet-metal casing for. A. Smith. No. 1,049,544; Jan. 7; Gaz. vol. 186; p. 77.
- Culverts, conduits, screens, wells, &c., Sheet-metal casing for drainage. A. Smith. No. 1,055,674; Mar. 11; Gaz. vol. 188; p. 378.
- Culverts, conduits, &c., Sheet-metal casing for. A. Smith. No. 1,057,505; Apr. 1; Gaz. vol. 189; p. 37.
- Culverts, drainage-casings, &c., Corrugated sheet-metal sectional casing for. A. Smith. No. 1,049,543; Jan. 7; Gaz. vol. 186; p. 77.
- Culverts, drainage-tiling, &c., Corrugated metal casing for. A. Smith. No. 1,049,542; Jan. 7; Gaz. vol. 186; p. 77.
- Culverts, Fastening means for butt-joint metal. J. H. Dean. No. 1,073,965; Sept. 23; Gaz. vol. 194; p. 883.
- Culverts, Fastening means for butt-joint metal. J. H. Dean. No. 1,081,295; Dec. 16; Gaz. vol. 197; p. 541.
- Cup. See Douche-cup; Drinking-cup; Eye-cup; Folding cup; Grease-cup; Measuring-cup; Oil-cup; Paper drinking-cup; Paste-cup; Powder-cup; Primary cup; Shaving-cup; Tip-cup; Umbrella drip-cup.
- Cup-dispensing device. H. Nias. No. 1,058,787; Apr. 15; Gaz. vol. 189; p. 559.
- Cups, Apparatus for making and vending sanitary. J. Powers. No. 1,077,298; Nov. 4; Gaz. vol. 196; p. 19.
- Cups, Machine for forming metal. J. E. Dobson. No. 1,056,012; Mar. 18; Gaz. vol. 188; p. 527.
- Cupola. M. Leitch. No. 1,065,454; June 24; Gaz. vol. 191; p. 881.
- Cupola. W. J. Trilck. No. 1,080,241; Dec. 2; Gaz. vol. 197; p. 113.
- Cupola-furnace. M. Zippler, Jr. No. 1,052,875; Feb. 11; Gaz. vol. 187; p. 383.
- Cupola-furnace. P. Anderson. No. 1,054,381; Feb. 25; Gaz. vol. 187; p. 980.
- Cupola-furnace. W. N. Best. No. 1,061,158; May 6; Gaz. vol. 190; p. 204.
- Curb-box. C. E. Tyler. No. 1,081,281; Dec. 9; Gaz. vol. 197; p. 499.
- Curbing, Street-. I. E. Brown. No. 1,067,501; July 15; Gaz. vol. 192; p. 617.
- Curd-mill. W. E. Penn. No. 1,061,401; May 13; Gaz. vol. 190; p. 322.
- Curette. P. Romeo. No. 1,080,929; Dec. 9; Gaz. vol. 197; p. 384.
- Curler, Hair-. A. A. West. No. 1,082,784; Dec. 30; Gaz. vol. 197; p. 1111.
- Curling-iron and the like. G. Dinger. No. 1,061,273; May 13; Gaz. vol. 190; p. 279.
- Curling-iron, Electric. A. C. Gough. No. 1,056,987; Mar. 25; Gaz. vol. 188; p. 891.
- Curling-iron, Electrically-heated. F. A. English. No. 1,073,336; Sept. 16; Gaz. vol. 194; p. 644.
- Curling-iron heater. N. L. Gilbert. No. 1,054,527; Feb. 25; Gaz. vol. 187; p. 1029.
- Curling-iron, Self-heating. G. D. Eggeman. No. 1,064,822; June 17; Gaz. vol. 191; p. 633.
- Curling-iron, Self-heating. H. G. Nilson. No. 1,069,164; Aug. 5; Gaz. vol. 193; p. 26.
- Currency or the like handling device. W. Moore. No. 1,081,766; Dec. 16; Gaz. vol. 197; p. 698.
- Current apparatus, Alternating-. R. D. Mershon. No. 1,077,626; Nov. 4; Gaz. vol. 196; p. 132.
- Current-collecting means for signal apparatus or the like. E. L. Nicholson. No. 1,052,268; Feb. 4; Gaz. vol. 187; p. 147.
- Current commutator-motors, Means for compensating polyphase alternating-. E. F. W. Alexanderson. No. 1,080,403; Dec. 2; Gaz. vol. 197; p. 172.
- Current-controller. L. Bradley. No. 1,051,480; Jan. 28; Gaz. vol. 186; p. 839.
- Current-controlling device. L. O. Corell. No. 1,052,891; Feb. 11; Gaz. vol. 187; p. 389.
- Current-controlling device. L. Bradley. No. 1,071,138; Aug. 26; Gaz. vol. 193; p. 803.

Alphabetical list of inventions—Continued.

- Current-deflector. J. M. Maher. No. 1,058,879; Apr. 15; Gaz. vol. 189; p. 593.
- Current distributor and timer. J. M. Smith. No. 1,064,177; June 10; Gaz. vol. 191; p. 380.
- Current electromagnetic controller, Alternating-. D. L. Lindquist. No. 1,077,355; Nov. 4; Gaz. vol. 196; p. 40.
- Current electromechanical controller, Alternating-. A. Sundh. No. 1,055,570; Mar. 11; Gaz. vol. 188; p. 343.
- Current-generating apparatus, Alternating-. J. L. Milton. No. 1,053,107; Feb. 11; Gaz. vol. 187; p. 465.
- Current generator, Alternating-. A. Scherbius, J. Jonas, and H. Meyer-Delius. No. 1,064,669; June 10; Gaz. vol. 191; p. 547.
- Current generators, Synchronizing alternating-. B. P. Roman. No. 1,057,278; Mar. 25; Gaz. vol. 188; p. 991.
- Current induction-motor, Alternating-. B. McCollum. No. 1,049,506; Jan. 7; Gaz. vol. 186; p. 63.
- Current induction-motor, Alternating-. B. McCollum. No. 1,082,603; Dec. 30; Gaz. vol. 197; p. 1046.
- Current machine, Alternating-. S. Senstius. No. 1,055,362; Mar. 11; Gaz. vol. 188; p. 275.
- Current-machine-controlling system, Alternating-. G. Winter and F. Eichberg. No. 1,073,200; Sept. 16; Gaz. vol. 194; p. 595.
- Current-motor. A. Johnson. No. 1,049,724; Jan. 7; Gaz. vol. 186; p. 138.
- Current-motor. L. R. Applegate. No. 1,053,121; Feb. 11; Gaz. vol. 187; p. 470.
- Current-motor. J. H. Martin. No. 1,056,704; Mar. 18; Gaz. vol. 188; p. 763.
- Current-motor. G. A. Wendt. No. 1,062,624; May 27; Gaz. vol. 190; p. 817.
- Current-motor. F. T. Starry. No. 1,068,283; July 22; Gaz. vol. 192; p. 917.
- Current-motor. R. M. De Mill. No. 1,071,513; Aug. 26; Gaz. vol. 193; p. 927.
- Current-motor. L. R. Applegate. No. 1,071,544; Aug. 26; Gaz. vol. 193; p. 937.
- Current-motor. J. W. Ingison. No. 1,071,748; Sept. 2; Gaz. vol. 194; p. 27.
- Current-motor. S. Hicks. No. 1,071,918; Sept. 2; Gaz. vol. 194; p. 86.
- Current-motor. F. H. Crago. No. 1,076,102; Oct. 21; Gaz. vol. 195; p. 576.
- Current-motor. O. L. Howe. No. 1,081,118; Dec. 9; Gaz. vol. 197; p. 443.
- Current-motor. G. E. C. Rousseau and F. Gregory. No. 1,081,867; Dec. 16; Gaz. vol. 197; p. 733.
- Current motor, Alternate-. V. A. Fynn. No. 1,050,444; Jan. 14; Gaz. vol. 186; p. 418.
- Current motor, Alternate-. V. A. Fynn. No. 1,050,445; Jan. 14; Gaz. vol. 186; p. 418.
- Current motor, Alternate-. V. A. Fynn. No. 1,079,332; Nov. 25; Gaz. vol. 196; p. 814.
- Current motor, Alternating-. E. F. W. Alexanderson. No. 1,060,731; May 6; Gaz. vol. 190; p. 58.
- Current motor, Alternating-. E. F. W. Alexanderson. No. 1,068,404; July 29; Gaz. vol. 192; p. 997.
- Current motor, Alternating-. H. L. Zabriskie. No. 1,074,152; Sept. 30; Gaz. vol. 194; p. 974.
- Current motor, Alternating-. C. L. Fortescue. No. 1,082,511; Dec. 30; Gaz. vol. 197; p. 1013.
- Current-motor controller, Alternating-. C. A. Dresser and H. Fankboner. No. 1,080,200; Dec. 2; Gaz. vol. 197; p. 99.
- Current motor, Variable-speed alternating-. M. M. Goldberg. No. 1,052,478; Feb. 11; Gaz. vol. 187; p. 250.
- Current rectifier, Alternating-. D. M. Bliss. No. 1,064,434; June 10; Gaz. vol. 191; p. 469.
- Current rectifier, Alternating-. E. J. Wiggins. No. 1,081,641; Dec. 16; Gaz. vol. 197; p. 655.
- Current-rectifiers, Impedance device for use with. F. Conrad and Y. Sakai. No. 1,075,404; Oct. 14; Gaz. vol. 195; p. 309.
- Current regulator, Alternating-. J. J. Wood. No. 1,070,651; Aug. 19; Gaz. vol. 193; p. 608.
- Current-transmitting instrument. C. D. Lanning. No. 1,073,692; Sept. 23; Gaz. vol. 194; p. 790.
- Currents, High-tension rectifier for alternating. L. Schmidt. No. 1,070,542; Aug. 19; Gaz. vol. 193; p. 572.
- Currents, Means for rectifying alternating. J. L. Woodbridge. No. 1,051,941; Feb. 4; Gaz. vol. 187; p. 33.
- Currycomb. J. E. Clemens. No. 1,050,103; Jan. 14; Gaz. vol. 186; p. 301.
- Currycomb. H. Rothfork. No. 1,055,658; Mar. 11; Gaz. vol. 188; p. 372.
- Currycomb. H. Dupont. No. 1,061,827; May 13; Gaz. vol. 190; p. 466.
- Currycomb. N. W. Price. No. 1,076,228; Oct. 21; Gaz. vol. 195; p. 618.
- Currycomb. D. L. Griffiths. No. 1,083,087; Dec. 30; Gaz. vol. 197; p. 1213.
- Currycomb, Self-cleaning. J. J. Minich. No. 1,078,451; Nov. 11; Gaz. vol. 196; p. 449.
- Curtain. G. E. Lackey. No. 1,050,841; Jan. 21; Gaz. vol. 186; p. 587.
- Curtain and shade fixture. A. Bolin. No. 1,059,265; Apr. 15; Gaz. vol. 189; p. 726.
- Curtain and shade fixture. H. Scheiding. No. 1,080,370; Dec. 2; Gaz. vol. 197; p. 160.
- Curtain and shade-roller support. J. C. Seymour. No. 1,061,202; May 6; Gaz. vol. 190; p. 220.
- Curtain and shade-roller supporter. C. Cook. No. 1,059,118; Apr. 15; Gaz. vol. 189; p. 677.
- Curtain and shade support. W. J. Jones. No. 1,073,074; Sept. 9; Gaz. vol. 194; p. 516.
- Curtain appliance. A. Balázs. No. 1,056,315; Mar. 18; Gaz. vol. 188; p. 629.
- Curtain-bracket. J. F. Kazmierczak. No. 1,061,300; May 13; Gaz. vol. 190; p. 288.
- Curtain-bracket. A. E. Kyllonen. No. 1,077,144; Oct. 28; Gaz. vol. 195; p. 989.
- Curtain-bracket. F. Washburn. No. 1,080,612; Dec. 9; Gaz. vol. 197; p. 272.
- Curtain-bracket, Combination. F. A. Chamberland. No. 1,060,741; May 6; Gaz. vol. 190; p. 61.
- Curtain, Closing-. H. J. Hick. No. 1,064,216; June 10; Gaz. vol. 191; p. 393.
- Curtain, Drop-. M. Shmit and N. Jahn. No. 1,068,011; July 22; Gaz. vol. 192; p. 822.
- Curtain-fastener. W. Gates. No. 1,071,996; Sept. 2; Gaz. vol. 194; p. 113.
- Curtain-fastener. J. W. Tilton. No. 1,082,455; Dec. 23; Gaz. vol. 197; p. 961.
- Curtain fastener, Vestibule-. W. R. Geesey. No. 1,074,944; Oct. 7; Gaz. vol. 195; p. 121.
- Curtain-fixture. I. L. Hotaling. No. 1,050,459; Jan. 14; Gaz. vol. 186; p. 423.
- Curtain-fixture. D. E. Bonner. No. 1,051,545; Jan. 28; Gaz. vol. 186; p. 862.
- Curtain-fixture. H. H. Schroyer. No. 1,051,641; Jan. 28; Gaz. vol. 186; p. 893.
- Curtain-fixture. C. Headley. No. 1,055,976; Mar. 11; Gaz. vol. 188; p. 480.
- Curtain-fixture. A. A. Currie. No. 1,062,988; May 20; Gaz. vol. 190; p. 562.
- Curtain-fixture. A. C. Rader. No. 1,063,830; June 3; Gaz. vol. 191; p. 228.
- Curtain-fixture. I. K. Prescott. No. 1,070,842; Aug. 19; Gaz. vol. 193; p. 671.
- Curtain-fixture. J. J. Kintz. No. 1,071,642; Aug. 26; Gaz. vol. 193; p. 970.
- Curtain-fixture. H. Reubel. No. 1,080,479; Dec. 2; Gaz. vol. 197; p. 196.
- Curtain-hanger. G. H. Emery. No. 1,053,796; Feb. 18; Gaz. vol. 187; p. 745.
- Curtain-hanger. H. N. Ness. No. 1,055,784; Mar. 11; Gaz. vol. 188; p. 416.
- Curtain-hanger. J. Umstätter. No. 1,056,384; Mar. 18; Gaz. vol. 188; p. 650.
- Curtain hanger, Lace-. J. G. Hughes. No. 1,063,800; June 3; Gaz. vol. 191; p. 217.
- Curtain-holder. R. Peltzer. No. 1,054,309; Feb. 25; Gaz. vol. 187; p. 954.
- Curtain-holder. A. Dahlberg. No. 1,056,325; Mar. 18; Gaz. vol. 188; p. 632.
- Curtain-holder. G. A. Benoit. No. 1,056,621; Mar. 18; Gaz. vol. 188; p. 734.
- Curtain-holder. F. P. West. No. 1,072,063; Sept. 2; Gaz. vol. 194; p. 134.
- Curtain-hook, Automatic self-releasing. J. B. Rudolph. No. 1,049,770; Jan. 7; Gaz. vol. 186; p. 154.
- Curtain, Metal. O. T. Johnson. No. 1,051,598; Jan. 28; Gaz. vol. 186; p. 880.
- Curtain mounting, Vestibule-. E. E. Whitmore. No. 1,077,660; Nov. 4; Gaz. vol. 196; p. 144.
- Curtain-operating device. J. J. Kale and F. W. Miller. No. 1,054,560; Feb. 25; Gaz. vol. 187; p. 1040.
- Curtain-operating mechanism, Window-. F. W. Adlof. No. 1,059,257; Apr. 15; Gaz. vol. 189; p. 723.
- Curtain-pole. J. Slowik. No. 1,055,090; Mar. 4; Gaz. vol. 188; p. 149.
- Curtain-pole. M. M. Burk. No. 1,061,043; May 6; Gaz. vol. 190; p. 169.
- Curtain-pole. J. W. Harding. No. 1,068,498; July 29; Gaz. vol. 192; p. 1028.
- Curtain-pole. J. A. George. No. 1,071,224; Aug. 26; Gaz. vol. 193; p. 833.
- Curtain-pole. E. Cash. No. 1,071,877; Sept. 2; Gaz. vol. 194; p. 72.
- Curtain-pole. P. W. Dohoney. No. 1,072,214; Sept. 2; Gaz. vol. 194; p. 185.
- Curtain-pole. S. Sobocienski. No. 1,073,938; Sept. 23; Gaz. vol. 194; p. 874.
- Curtain-pole. A. M. Clark. No. 1,074,164; Sept. 30; Gaz. vol. 194; p. 978.
- Curtain-pole. S. Kay. No. 1,074,267; Sept. 30; Gaz. vol. 194; p. 1012.
- Curtain-pole. G. G. Griffin. No. 1,077,529; Nov. 4; Gaz. vol. 196; p. 102.
- Curtain-pole. A. Nitka. No. 1,079,431; Nov. 25; Gaz. vol. 196; p. 847.
- Curtain pole and fixture. J. H. Hobson and W. F. Lackner. No. 1,067,985; July 22; Gaz. vol. 192; p. 813.
- Curtain pole and hanger. W. J. Zietlow. No. 1,074,683; Oct. 7; Gaz. vol. 195; p. 34.
- Curtain pole and ring. J. Russell. No. 1,058,793; Apr. 15; Gaz. vol. 189; p. 561.
- Curtain-pole and shade-roller support, Combined. F. Slacinski. No. 1,053,932; Feb. 18; Gaz. vol. 187; p. 790.

Alphabetical list of inventions—Continued.

- Curtain-pole bracket. J. Haller. No. 1,049,355; Jan. 7; Gaz. vol. 186; p. 12.
- Curtain-pole, Extension. J. Kroder. No. 1,062,478; May 20; Gaz. vol. 190; p. 726.
- Curtain-poles and the like, Device for raising or lowering. W. D. B. Ponninghaus. No. 1,063,138; May 27; Gaz. vol. 190; p. 986.
- Curtain-retainer. J. Stone. No. 1,070,201; Aug. 12; Gaz. vol. 193; p. 412.
- Curtain-rings, Drapery-suspension pin for. E. B. Ashmore. No. 1,069,999; Aug. 12; Gaz. vol. 193; p. 343.
- Curtain-rod. F. W. Carlson. No. 1,060,426; Apr. 29; Gaz. vol. 189; p. 1200.
- Curtain-rod. C. V. Bond. No. 1,078,822; Nov. 18; Gaz. vol. 196; p. 609.
- Curtain rod and bracket. F. L. Lathrop. No. 1,070,144; Aug. 12; Gaz. vol. 193; p. 393.
- Curtain-rod bracket. W. H. Edsall. No. 1,050,437; Jan. 14; Gaz. vol. 186; p. 415.
- Curtain-rod bracket. F. W. Dohm. No. 1,057,043; Mar. 25; Gaz. vol. 188; p. 911.
- Curtain-rod holder. W. W. Walsh. No. 1,074,825; Oct. 7; Gaz. vol. 195; p. 80.
- Curtain-rod support. J. Kroder. No. 1,077,083; Oct. 28; Gaz. vol. 195; p. 972.
- Curtain-roller. G. W. Davis. No. 1,054,182; Feb. 25; Gaz. vol. 187; p. 913.
- Curtain-roller. R. V. Henry. No. 1,056,673; Mar. 18; Gaz. vol. 188; p. 752.
- Curtain-roller. E. E. Whitmore. No. 1,076,728; Oct. 28; Gaz. vol. 195; p. 848.
- Curtain-roller, Adjustable. C. A. Peterson. No. 1,070,725; Aug. 19; Gaz. vol. 193; p. 632.
- Curtain-roller, Extensible. J. Levan. No. 1,050,473; Jan. 14; Gaz. vol. 186; p. 428.
- Curtain-roller, Extensible. E. E. Whitmore. No. 1,068,030; July 22; Gaz. vol. 192; p. 829.
- Curtain shade and pole fixture. C. W. Leach, Jr. No. 1,062,018; May 20; Gaz. vol. 190; p. 572.
- Curtain-stick machine. W. H. Ramsey. No. 1,079,992; Dec. 2; Gaz. vol. 197; p. 25.
- Curtain-stretcher. J. J. Hansen. No. 1,050,017; Jan. 7; Gaz. vol. 186; p. 236.
- Curtain-stretcher. A. B. Willi. No. 1,055,112; Mar. 4; Gaz. vol. 188; p. 155.
- Curtain-stretcher. N. B. Allen. No. 1,057,207; Mar. 25; Gaz. vol. 188; p. 967.
- Curtain-stretcher. M. E. Shinn. No. 1,058,913; Apr. 15; Gaz. vol. 189; p. 606.
- Curtain-stretcher. V. Buckreis. No. 1,059,112; Apr. 15; Gaz. vol. 189; p. 675.
- Curtain-stretcher. J. Edman. No. 1,060,829; May 6; Gaz. vol. 190; p. 91.
- Curtain-stretcher. T. R. McCloskey. No. 1,063,990; June 10; Gaz. vol. 191; p. 315.
- Curtain-stretcher. W. B. Stearns. No. 1,065,402; June 24; Gaz. vol. 191; p. 862.
- Curtain-stretcher. S. Gleaves. No. 1,073,341; Sept. 16; Gaz. vol. 194; p. 646.
- Curtain-stretcher, Collapsible. A. Harrington. No. 1,067,518; July 15; Gaz. vol. 192; p. 622.
- Curtain stretcher, Lace. A. Rogalski. No. 1,073,290; Sept. 16; Gaz. vol. 194; p. 628.
- Curtain-support. G. E. Fairbrother. No. 1,053,586; Feb. 18; Gaz. vol. 187; p. 674.
- Curtain-support, Adjustable. E. Hollis. No. 1,056,741; Mar. 18; Gaz. vol. 188; p. 777.
- Curtain-support, Adjustable. C. M. Thurston. No. 1,069,302; Aug. 5; Gaz. vol. 193; p. 74.
- Curtain support, Window-. P. Shorkey. No. 1,066,157; July 1; Gaz. vol. 192; p. 89.
- Curtain-supporter. A. Monich. No. 1,072,144; Sept. 2; Gaz. vol. 194; p. 163.
- Curtain-supporting device. A. Loton. No. 1,076,775; Oct. 28; Gaz. vol. 195; p. 865.
- Curtain, Vestibule-car. E. C. Holmes. No. 1,059,465; Apr. 22; Gaz. vol. 189; p. 832.
- Curtains, draperies, and the like, Support for. L. J. Schneider. No. 1,056,592; Mar. 18; Gaz. vol. 188; p. 726.
- Curve-scriber. R. B. Weikel. No. 1,053,686; Feb. 18; Gaz. vol. 187; p. 707.
- Cushion: See Heel-cushion; Hydraulic cushion; Pneumatic cushion; Sewing-machine foot-cushion; Shoulder-cushion; Spring-cushion.
- Cushion. F. Bennett. No. 1,059,704; Apr. 22; Gaz. vol. 189; p. 910.
- Cushion-cleaning machine. J. A. Fritsch. No. 1,072,843; Sept. 9; Gaz. vol. 194; p. 432.
- Cushion retainer, Seat-. W. R. Smith. No. 1,074,986; Oct. 7; Gaz. vol. 195; p. 134.
- Cushion retainer, Seat-. W. R. Smith. No. 1,075,165; Oct. 7; Gaz. vol. 195; p. 198.
- Cushion-tired wheel. N. Gratz. No. 1,056,167; Mar. 18; Gaz. vol. 188; p. 579.
- Cushion-wheel. A. Moon. No. 1,053,852; Feb. 18; Gaz. vol. 187; p. 762.
- Cushion-wheel. W. D. Simpson. No. 1,056,597; Mar. 18; Gaz. vol. 188; p. 727.
- Cushion-wheel. E. H. Schur. No. 1,081,628; Dec. 16; Gaz. vol. 197; p. 651.
- Cushion-wheel and pump therefor. W. L. Olmstead. No. 1,067,439; July 15; Gaz. vol. 192; p. 596.
- Cushions, Manufacture of. W. R. Donegan. No. 1,062,564; May 20; Gaz. vol. 190; p. 754.
- Cushioned flat and filler, Combination. W. Merker. No. 1,079,789; Nov. 25; Gaz. vol. 196; p. 974.
- Cushioned wheel. E. Bronimann. No. 1,065,915; July 1; Gaz. vol. 192; p. 3.
- Cushioning device. J. N. Randle. No. 1,056,580; Mar. 18; Gaz. vol. 188; p. 722.
- Cushioning device. A. Horton. No. 1,069,333; Aug. 5; Gaz. vol. 193; p. 85.
- Cuspidor. H. J. Wieland. No. 1,052,026; Feb. 4; Gaz. vol. 187; p. 63.
- Cuspidor. R. Kraus. No. 1,052,729; Feb. 11; Gaz. vol. 187; p. 332.
- Cuspidor. M. L. Dalpez. No. 1,055,141; Mar. 4; Gaz. vol. 188; p. 164.
- Cuspidor. F. Georgelin. No. 1,056,659; Mar. 18; Gaz. vol. 188; p. 748.
- Cuspidor. W. A. Power. No. 1,065,270; June 17; Gaz. vol. 191; p. 779.
- Cuspidor. H. W. Edwards. No. 1,065,511; June 24; Gaz. vol. 191; p. 900.
- Cuspidor. F. A. McGuire. No. 1,072,140; Sept. 2; Gaz. vol. 194; p. 161.
- Cuspidor. A. C. Murdock. No. 1,074,521; Sept. 30; Gaz. vol. 194; p. 1094.
- Cuspidor. D. M. Hayworth and E. V. Putnam. No. 1,075,287; Oct. 7; Gaz. vol. 195; p. 243.
- Cuspidor. M. A. Brown. No. 1,075,398; Oct. 14; Gaz. vol. 195; p. 308.
- Cuspidor. F. A. McGuire. No. 1,079,656; Nov. 25; Gaz. vol. 196; p. 924.
- Cuspidor. A. Warne. No. 1,080,090; Dec. 2; Gaz. vol. 197; p. 60.
- Cuspidor. C. E. Hunt. No. 1,081,448; Dec. 16; Gaz. vol. 197; p. 594.
- Cuspidor. M. Szymoinska. No. 1,082,371; Dec. 23; Gaz. vol. 197; p. 935.
- Cuspidor, Car-. W. F. Pabst. No. 1,078,872; Nov. 18; Gaz. vol. 196; p. 626.
- Cuspidor-carrier. E. F. Schaub. No. 1,067,278; July 15; Gaz. vol. 192; p. 541.
- Cuspidor collector and carrier. W. A. Nielson. No. 1,068,920; July 29; Gaz. vol. 192; p. 1177.
- Cuspidor, Fountain-. L. S. Dorsey. No. 1,058,564; Apr. 8; Gaz. vol. 189; p. 446.
- Cuspidor handle and carrier. E. Old. No. 1,071,457; Aug. 26; Gaz. vol. 193; p. 910.
- Cuspidor, Hygienic. J. Walter. No. 1,059,793; Apr. 22; Gaz. vol. 189; p. 940.
- Cuspidor or analogous vessel. W. S. C. McGill. No. 1,052,840; Feb. 11; Gaz. vol. 187; p. 372.
- Cuspidor, Pocket-. W. A. Brotherton. No. 1,072,695; Sept. 9; Gaz. vol. 194; p. 379.
- Cuspidor, Sanitary. T. A. Stevens. No. 1,071,820; Sept. 2; Gaz. vol. 194; p. 53.
- Cuspidor, Sanitary. M. Plocher and E. A. Scott. No. 1,073,167; Sept. 16; Gaz. vol. 194; p. 583.
- Cuspidor, Sanitary. K. Fousek. No. 1,076,204; Oct. 21; Gaz. vol. 195; p. 609.
- Cut-off and drain for house-plumbing. C. G. Woods. No. 1,049,792; Jan. 7; Gaz. vol. 186; p. 161.
- Cut-off, Automatic. J. H. Gillispie and J. L. Coberly. No. 1,060,336; Apr. 29; Gaz. vol. 189; p. 1167.
- Cut-off, Automatic thermal. A. Tibbs. No. 1,055,955; Mar. 11; Gaz. vol. 188; p. 472.
- Cut-off, Automatic two-fluid. C. F. Rumold. No. 1,051,768; Jan. 28; Gaz. vol. 186; p. 934.
- Cut-off device, Automatic. L. D. Crouch. No. 1,056,009; Mar. 18; Gaz. vol. 188; p. 526.
- Cut-out and compensating socket, Automatic. G. T. Dunklin. No. 1,082,683; Dec. 30; Gaz. vol. 197; p. 1075.
- Cut-out, Fusible. G. B. Griffin. No. 1,070,452; Aug. 19; Gaz. vol. 193; p. 540.
- Cut-out mechanism for fluid-actuated devices, Automatic. J. H. Becker. No. 1,078,986; Nov. 18; Gaz. vol. 196; p. 664.
- Cut-out, Meter-testing. A. V. A. McHarg. No. 1,052,608; Feb. 11; Gaz. vol. 187; p. 293.
- Cut-out, Meter-testing. T. E. Murray. No. 1,066,216; July 1; Gaz. vol. 192; p. 112.
- Cut-out switch. L. Kovacs. No. 1,049,371; Jan. 7; Gaz. vol. 186; p. 18.
- Cutaneous diseases, Device for treating. F. Rightmire. (Reissue.) No. 13,608; Aug. 19; Gaz. vol. 193; p. 727.
- Cuticle-clipper. H. E. Eckler. No. 1,081,896; Dec. 16; Gaz. vol. 197; p. 742.
- Cutlery, Forming and attaching cast-metal handles to. J. F. Lamb. No. 1,059,674; Apr. 22; Gaz. vol. 189; p. 901.
- Cutlery, Forming and securing bolsters to. J. F. Lamb. No. 1,059,673; Apr. 22; Gaz. vol. 189; p. 900.
- Cutlery-polishing machine. P. Davis. No. 1,065,593; June 24; Gaz. vol. 191; p. 929.
- Cutlery, Table. G. E. Smith. No. 1,055,091; Mar. 4; Gaz. vol. 188; p. 150.

Alphabetical list of inventions—Continued.

- Cutter: See Bolt-cutter; Bread-cutter; Brush-cutter; Butter-cutter; Butter, lard, and cheese cutter; Buttonhole-cutter; Cable-cutter; Check or draft cutter; Cheese-cutter; Cigar-cutter; Cigar-tip cutter; Cigar-tuck cutter; Cloth-cutter; Cloth or fabric cutter; Cord-cutter; Cotton-stalk cutter; Dovetail-cutter; Flue-cutter; Fodder-cutter; Fruit-cutter; Fruit and flower cutter; Glass-cutter; Grass-cutter; Hair-cutter; Key-seating-machine cutter; Lard-cutter; Meat-cutter; Metal-turning-tool cutter; Milling-cutter; Milling-thread cutter; Noodle-cutter; Paper-cutter; Paper-holder cutter; Pea-cutter; Pipe-cutter; Pipe or rod cutter; Plate-cutter; Potato-cutter; Potato-seed cutter; Road-cutter; Rotary cutter; Saw or kraut cutter; Sleet-cutter; Stalk-cutter; Stay-bolt cutter; Strawberry-runner cutter; Stylus-reproducing cutter; Thread-cutter; Ticket-cutter; Tobacco-cutter; Tube-cutter; Twine-cutter; Vegetable-cutter; Vine-cutter; Waffle-cutter; Weed-cutter.
- Cutter. H. D. Wilson. No. 1,055,587; Mar. 11; Gaz. vol. 188; p. 348.
- Cutter. E. Lawrenz. No. 1,073,254; Sept. 16; Gaz. vol. 194; p. 615.
- Cutter. E. Lawrenz. No. 1,073,255; Sept. 16; Gaz. vol. 194; p. 615.
- Cutter and slicer. S. W. Massey. No. 1,074,637; Oct. 7; Gaz. vol. 195; p. 17.
- Cutter-bar. A. R. Conner. No. 1,049,675; Jan. 7; Gaz. vol. 186; p. 121.
- Cutter-bar. P. and L. Wilde. No. 1,079,279; Nov. 18; Gaz. vol. 196; p. 764.
- Cutter-guard. E. L. Markle. No. 1,068,150; July 22; Gaz. vol. 192; p. 869.
- Cutter-guard. P. Erickson. No. 1,074,614; Oct. 7; Gaz. vol. 195; p. 9.
- Cutter-head. B. Henrikson. No. 1,057,425; Apr. 1; Gaz. vol. 189; p. 11.
- Cutter-head. J. W. Buckhart. No. 1,062,634; May 27; Gaz. vol. 190; p. 820.
- Cutter-head. W. M. Noble. No. 1,065,069; June 17; Gaz. vol. 191; p. 714.
- Cutter-head. V. R. Koontz. No. 1,072,127; Sept. 2; Gaz. vol. 194; p. 156.
- Cutter-head. G. A. Ensign. No. 1,072,930; Sept. 9; Gaz. vol. 194; p. 464.
- Cutter-head. F. Cartlidge. No. 1,074,834; Oct. 7; Gaz. vol. 195; p. 83.
- Cutter-head. H. G. Aldridge. No. 1,083,174; Dec. 30; Gaz. vol. 197; p. 1237.
- Cutter-head, Circular. F. Stutzman. No. 1,071,970; Sept. 2; Gaz. vol. 194; p. 102.
- Cutter-head for matching and dressing lumber. H. G. Olver. No. 1,068,361; July 22; Gaz. vol. 192; p. 943.
- Cutter-head-jointing attachment. H. A. Perkins. No. 1,054,936; Mar. 4; Gaz. vol. 188; p. 95.
- Cutter-head-knife-adjusting wrench. E. Harrold. No. 1,050,455; Jan. 14; Gaz. vol. 186; p. 422.
- Cutter-head-securing means. P. A. Solem. No. 1,056,466; Mar. 18; Gaz. vol. 188; p. 681.
- Cutter-setting dial. A. L. De Leeuw. No. 1,075,285; Oct. 7; Gaz. vol. 195; p. 242.
- Cutters, Adjusting rotary. S. MacKay. No. 1,079,420; Nov. 25; Gaz. vol. 196; p. 844.
- Cutting and creasing machine. Blank. J. E. Erickson. No. 1,058,165; Apr. 8; Gaz. vol. 189; p. 308.
- Cutting and dieing machine. G. B. Grover. No. 1,066,727; July 8; Gaz. vol. 192; p. 318.
- Cutting and embossing device. F. H. Cook and C. C. Stannard. No. 1,072,915; Sept. 9; Gaz. vol. 194; p. 459.
- Cutting and facing articles, Apparatus for. R. E. Colton. No. 1,063,184; June 3; Gaz. vol. 191; p. 5.
- Cutting and folding machine. E. H. Cottrell. No. 1,067,470; July 15; Gaz. vol. 192; p. 605.
- Cutting and folding machine. E. H. Cottrell. No. 1,067,471; July 15; Gaz. vol. 192; p. 606.
- Cutting and folding machine. H. M. Barber. No. 1,068,035; July 22; Gaz. vol. 192; p. 831.
- Cutting apparatus. D. N. Prime. No. 1,075,064; Oct. 7; Gaz. vol. 195; p. 165.
- Cutting-bit. J. Olsen. No. 1,081,859; Dec. 16; Gaz. vol. 197; p. 730.
- Cutting-block. E. L. Hurd. No. 1,079,599; Nov. 25; Gaz. vol. 196; p. 907.
- Cutting-board. J. A. Strom. No. 1,058,920; Apr. 15; Gaz. vol. 189; p. 608.
- Cutting device. E. N. Humphrey. No. 1,073,581; Sept. 16; Gaz. vol. 194; p. 728.
- Cutting device. Gang. T. Lund. No. 1,060,688; May 6; Gaz. vol. 190; p. 43.
- Cutting-die. E. Pocock. No. 1,056,448; Mar. 18; Gaz. vol. 188; p. 674.
- Cutting implement. E. E. Beck. No. 1,077,951; Nov. 4; Gaz. vol. 196; p. 244.
- Cutting-machine. A. J. Cumnock. No. 1,069,396; Aug. 5; Gaz. vol. 193; p. 108.
- Cutting-machine. C. E. Howe. No. 1,070,133; Aug. 12; Gaz. vol. 193; p. 389.
- Cutting-machine, Rotary. G. L. Knights. No. 1,060,908; May 6; Gaz. vol. 190; p. 120.
- Cutting mechanism. J. Klingele. No. 1,054,693; Mar. 4; Gaz. vol. 188; p. 13.
- Cutting mechanism. L. C. Palmer. No. 1,067,269; July 15; Gaz. vol. 192; p. 538.
- Cutting mechanism. C. F. Smith. No. 1,067,626; July 15; Gaz. vol. 192; p. 659.
- Cutting mechanism. C. F. Smith. No. 1,071,473; Aug. 26; Gaz. vol. 193; p. 914.
- Cutting-mechanism feeding device. H. Müller. No. 1,065,620; June 24; Gaz. vol. 191; p. 936.
- Cutting mechanism, Rotary. T. E. Raffel. No. 1,068,447; July 29; Gaz. vol. 192; p. 1011.
- Cutting mechanisms, Protecting-housing for. G. W. Smith. No. 1,058,339; Apr. 8; Gaz. vol. 189; p. 370.
- Cutting-off device. J. F. Kitchen. No. 1,056,798; Mar. 25; Gaz. vol. 188; p. 825.
- Cutting-off machine. G. Gorton. No. 1,073,600; Sept. 23; Gaz. vol. 194; p. 756.
- Cutting-off-machine feeding mechanism. M. Meyers. No. 1,081,764; Dec. 16; Gaz. vol. 197; p. 697.
- Cutting-off machine, Multiple-disk. J. A. Hock. No. 1,061,940; May 13; Gaz. vol. 190; p. 504.
- Cutting-off mechanism. B. K. Ford. No. 1,059,046; Apr. 15; Gaz. vol. 189; p. 651.
- Cutting-off tool. J. W. Gheen. No. 1,058,360; Apr. 8; Gaz. vol. 189; p. 377.
- Cutting or marking machine, Oval. W. C. H. Beck, H. R. Astridge, and A. C. Whitteker. No. 1,052,880; Feb. 11; Gaz. vol. 187; p. 385.
- Cutting out blanks from sheet material, Apparatus for. T. Roche. No. 1,051,265; Jan. 21; Gaz. vol. 186; p. 732.
- Cutting out sheet material, Machine for. A. Bates. No. 1,051,665; Jan. 28; Gaz. vol. 186; p. 902.
- Cutting-stick. T. L. Egnor. No. 1,068,577; July 29; Gaz. vol. 192; p. 1055.
- Cutting-tool. S. C. Monberg. No. 1,060,929; May 6; Gaz. vol. 190; p. 127.
- Cutting-tool. A. Spielman. No. 1,064,865; June 17; Gaz. vol. 191; p. 648.
- Cutting-tool. W. J. Van Osdell. No. 1,075,450; Oct. 14; Gaz. vol. 195; p. 325.
- Cutting-tool protector. J. Smith. No. 1,069,486; Aug. 5; Gaz. vol. 193; p. 140.
- Cutting tools, arbors, chucks, collets, &c., Adjusting means for. C. F. Heinkel. No. 1,081,937; Dec. 16; Gaz. vol. 197; p. 755.
- Cutting up stock. K. Engel. No. 1,068,489; July 29; Gaz. vol. 192; p. 1025.
- Cutting up stock, Machine for. K. Engel. No. 1,068,490; July 29; Gaz. vol. 192; p. 1025.
- Cutworm-preventer. R. Oters. No. 1,060,116; Apr. 29; Gaz. vol. 189; p. 1088.
- Cyanid of hydrogen, Manufacturing. I. Moscicki and C. Jablczynski. No. 1,050,978; Jan. 21; Gaz. vol. 186; p. 636.
- Cyanogen compounds and the like, Producing. C. E. Acker. No. 1,072,373; Sept. 2; Gaz. vol. 194; p. 239.
- Cyanogen compounds and the like, Synthetic production of. J. E. Bucher. No. 1,082,845; Dec. 30; Gaz. vol. 197; p. 1131.
- Cycle attachment. A. A. Bamford. No. 1,068,835; July 29; Gaz. vol. 192; p. 1147.
- Cycle cushion-frame. J. H. Sager. No. 1,062,800; May 27; Gaz. vol. 190; p. 874.
- Cycle engine-support, Motor-. E. C. Pfeider. No. 1,078,308; Nov. 11; Gaz. vol. 196; p. 400.
- Cycle explosion-motor, Two-stroke. F. Pilain. No. 1,074,894; Oct. 7; Gaz. vol. 195; p. 104.
- Cycle-fork, Rear spring. E. C. Baldon. No. 1,058,839; Apr. 15; Gaz. vol. 189; p. 579.
- Cycle-frame. F. Diepenhorst and A. Diehl. No. 1,071,892; Sept. 2; Gaz. vol. 194; p. 78.
- Cycle frame, Motor-. A. H. Bilsten. No. 1,056,492; Mar. 18; Gaz. vol. 188; p. 691.
- Cycle frame, Motor-. D. R. Fisher. No. 1,056,897; Mar. 25; Gaz. vol. 188; p. 859.
- Cycle-frame, Resilient. A. A. Bamford. No. 1,064,697; June 17; Gaz. vol. 191; p. 593.
- Cycle handle-bar. N. G. Bouillat. No. 1,053,150; Feb. 18; Gaz. vol. 187; p. 523.
- Cycle-handle-bar shock-absorber. E. Erickson. No. 1,060,442; Apr. 29; Gaz. vol. 189; p. 1204.
- Cycle lock, Motor-. C. H. Smith and C. F. Adams. No. 1,062,744; May 27; Gaz. vol. 190; p. 855.
- Cycle, Motor-. H. W. Gehr. No. 1,053,377; Feb. 18; Gaz. vol. 187; p. 601.
- Cycle, Motor-. C. G. Muridge. No. 1,062,844; May 27; Gaz. vol. 190; p. 889.
- Cycle, Motor-. W. C. Bond. No. 1,064,602; June 10; Gaz. vol. 191; p. 524.
- Cycle, Motor-. J. J. Chapin. No. 1,077,974; Nov. 11; Gaz. vol. 196; p. 283.
- Cycle-motor, Two-stroke. A. Radovanovic. No. 1,068,168; July 22; Gaz. vol. 192; p. 876.
- Cycle seat and support therefor, Motor-. J. L. Miller. No. 1,071,255; Aug. 26; Gaz. vol. 193; p. 842.
- Cycle seat, Motor-. F. G. Kimpel. No. 1,074,438; Sept. 30; Gaz. vol. 194; p. 1070.

Alphabetical list of inventions--Continued.

- Cycle side bar, Motor-. E. M. Johnson. No. 1,069,788; Aug. 12; Gaz. vol. 193; p. 271.
- Cycle spring-fork, Motor-. A. O. Feilbach. No. 1,052,808; Feb. 11; Gaz. vol. 187; p. 362.
- Cycle supplemental seat, Motor-. R. E. Robeson. No. 1,066,324; July 1; Gaz. vol. 192; p. 149.
- Cycle support and lock. J. J. Tobin. No. 1,060,649; May 6; Gaz. vol. 190; p. 29.
- Cycle supporting attachment, Motor-. F. T. Koehn. No. 1,052,348; Feb. 4; Gaz. vol. 187; p. 171.
- Cycle, Water-. C. O. Cracroft. No. 1,071,709; Sept. 2; Gaz. vol. 194; p. 13.
- Cycles and the like, Saddle for motor-. A. E. Lowenthal. No. 1,076,655; Oct. 21; Gaz. vol. 195; p. 770.
- Cycles, bicycles, and like machines, Supplemental-seat attachment for motor-. C. W. Duckworth. No. 1,050,722; Jan. 14; Gaz. vol. 186; p. 510.
- Cycles, Change-gearing for motor-. J. Parco. No. 1,056,209; Mar. 18; Gaz. vol. 188; p. 594.
- Cycles, Change-speed transmission mechanism for motor-. E. W. Myers. No. 1,060,999; May 6; Gaz. vol. 190; p. 153.
- Cycles, Combined tool-box and carrier for motor and other. T. Braidwood. No. 1,079,286; Nov. 18; Gaz. vol. 196; p. 766.
- Cycles or like vehicles, Frame for motor-. W. S. Harley. No. 1,068,583; July 29; Gaz. vol. 192; p. 1057.
- Cycles, Passenger and luggage carrying attachment for motor-. J. A. Osborn. No. 1,057,661; Apr. 1; Gaz. vol. 189; p. 91.
- Cycles, &c., Pedal for motor-. O. Overton. No. 1,050,384; Jan. 14; Gaz. vol. 186; p. 396.
- Cycles, Pump-supporting attachment for. W. H. Futhey. No. 1,058,229; Apr. 8; Gaz. vol. 189; p. 330.
- Cycles, Seat-spring for motor-. F. E. and R. A. Palin. No. 1,061,199; May 6; Gaz. vol. 190; p. 218.
- Cycles, Side-car attachment for motor-. O. Overton. No. 1,077,743; Nov. 4; Gaz. vol. 196; p. 172.
- Cycles, Side car for motor-. F. C. Edwards and C. J. Hunter. No. 1,063,864; June 3; Gaz. vol. 191; p. 237.
- Cycles, Speedometer driving connection for motor-. J. K. Stewart. No. 1,065,631; June 24; Gaz. vol. 191; p. 941.
- Cycles, Stand-latch for motor-. W. S. Harley. No. 1,062,003; May 20; Gaz. vol. 190; p. 566.
- Cycles, Transmission device for motor-. N. Chambers, H. A. McCoy, T. G. Anderson, and C. Webb. No. 1,059,275; Apr. 15; Gaz. vol. 189; p. 729.
- Cyclometer. F. W. Baumgartner. No. 1,058,938; Apr. 15; Gaz. vol. 189; p. 613.
- Cylinder cleaner, Engine-. G. W. Gardner. No. 1,080,208; Dec. 2; Gaz. vol. 197; p. 101.
- Cylinder construction. S. H. Lewis. No. 1,074,056; Sept. 23; Gaz. vol. 194; p. 913.
- Cylinder-liner. C. G. Sprado. No. 1,081,257; Dec. 9; Gaz. vol. 197; p. 490.
- Cylinder lubrication. J. C. Cook and C. E. Welever. No. 1,053,574; Feb. 18; Gaz. vol. 187; p. 670.
- Cylinder-tooth. R. Cox. No. 1,052,041; Feb. 4; Gaz. vol. 187; p. 68.
- Cylinder-tooth. H. Vohland. No. 1,079,964; Dec. 2; Gaz. vol. 197; p. 15.
- Cylinders, Device for cutting incisions in hollow. J. B. Dayton. No. 1,057,945; Apr. 1; Gaz. vol. 189; p. 187.
- Cylinders of cardboard and the like, Machine for making. E. C. Lovell. No. 1,056,191; Mar. 18; Gaz. vol. 188; p. 587.
- Dam. G. Blaauw. No. 1,049,981; Jan. 7; Gaz. vol. 186; p. 224.
- Dam. T. H. Skinner. No. 1,075,128; Oct. 7; Gaz. vol. 195; p. 186.
- Dam. G. Blaauw. No. 1,077,790; Nov. 4; Gaz. vol. 196; p. 189.
- Dam. G. S. Binkley. No. 1,081,199; Dec. 9; Gaz. vol. 197; p. 470.
- Dam. J. R. Tainter. No. 1,082,291; Dec. 23; Gaz. vol. 197; p. 907.
- Dam and constructing the same. N. F. Ambursen. No. 1,054,163; Feb. 25; Gaz. vol. 187; p. 905.
- Dam and flume, Sectional. C. F. Holmes. No. 1,052,338; Feb. 4; Gaz. vol. 187; p. 168.
- Dam apparatus for irrigating-ditches. D. V. McIlwain. No. 1,057,354; Mar. 25; Gaz. vol. 188; p. 1015.
- Dam, Cellular. G. Blaauw. No. 1,077,791; Nov. 4; Gaz. vol. 196; p. 189.
- Dam construction. W. S. Edge and E. Littlefield. No. 1,050,930; Jan. 21; Gaz. vol. 186; p. 621.
- Dam for irrigating-ditches, Folding. W. A. Linkletter. No. 1,059,174; Apr. 15; Gaz. vol. 189; p. 694.
- Dam for irrigating-ditches, Folding. W. A. Linkletter. (Reissue.) No. 13,622; Sept. 30; Gaz. vol. 194; p. 1121.
- Dam for irrigating-ditches, Portable. E. A. Engle. No. 1,055,389; Mar. 11; Gaz. vol. 188; p. 284.
- Dam, Portable ditch-. A. Cadwallader. No. 1,058,289; Apr. 8; Gaz. vol. 189; p. 351.
- Dampener, Seam-. J. Schreiner and F. Kurz. No. 1,059,640; Apr. 22; Gaz. vol. 189; p. 888.
- Dampening-machine. G. Binder. No. 1,076,648; Oct. 21; Gaz. vol. 195; p. 768.
- Damper. J. W. Blood. No. 1,065,023; June 17; Gaz. vol. 191; p. 698.
- Damper. L. L. Brown and C. H. Patek. No. 1,079,833; Nov. 25; Gaz. vol. 196; p. 988.
- Damper. W. F. Rutherford. No. 1,082,174; Dec. 23; Gaz. vol. 197; p. 864.
- Damper and drifting-valve, Automatic combined. H. B. Oatley. No. 1,075,157; Oct. 7; Gaz. vol. 195; p. 195.
- Damper attachment for stoves. J. E. Birch. No. 1,053,776; Feb. 18; Gaz. vol. 187; p. 737.
- Damper, Automatic. E. A. Orr. No. 1,059,558; Apr. 22; Gaz. vol. 189; p. 863.
- Damper, Automatic furnace-. A. W. Arnold. No. 1,079,824; Nov. 25; Gaz. vol. 196; p. 985.
- Damper, Automatic stove-. C. N. Mignery. No. 1,055,935; Mar. 11; Gaz. vol. 188; p. 466.
- Damper, Chimney-. T. Podmore. No. 1,080,777; Dec. 9; Gaz. vol. 197; p. 330.
- Damper-controlling apparatus. C. W. Hamm. No. 1,059,728; Apr. 22; Gaz. vol. 189; p. 918.
- Damper-controlling device. F. A. Kateley. No. 1,082,338; Dec. 23; Gaz. vol. 197; p. 924.
- Damper, Fireplace-. P. Delsing. No. 1,049,566; Jan. 7; Gaz. vol. 186; p. 86.
- Damper, Fireplace-. P. A. Delsing. No. 1,078,189; Nov. 11; Gaz. vol. 196; p. 357.
- Damper for open grates. M. Strasburg and W. S. Thomas. No. 1,067,203; July 8; Gaz. vol. 192; p. 478.
- Damper, Heating-stove. J. F. Hickenbottom. No. 1,061,911; May 13; Gaz. vol. 190; p. 493.
- Damper mechanism for water heaters or boilers. C. F. Newport. No. 1,068,809; July 29; Gaz. vol. 192; p. 1138.
- Damper, Open-fireplace. N. K. Reid. No. 1,059,906; Apr. 22; Gaz. vol. 189; p. 975.
- Damper-operating device. R. B. Ryan. No. 1,055,659; Mar. 11; Gaz. vol. 188; p. 373.
- Damper-operating device. C. D. Paterson. No. 1,078,747; Nov. 18; Gaz. vol. 196; p. 581.
- Damper, Regulating-. W. B. Fowler. No. 1,072,323; Sept. 2; Gaz. vol. 194; p. 220.
- Damper-regulating apparatus. H. B. Weir and J. L. Fyke. No. 1,082,920; Dec. 30; Gaz. vol. 197; p. 1158.
- Damper-regulator. C. W. Hamm. No. 1,058,581; Apr. 8; Gaz. vol. 189; p. 451.
- Damper-regulator. I. G. Wagner. No. 1,071,281; Aug. 26; Gaz. vol. 193; p. 851.
- Damper-regulator, Automatic. H. V. Barron. No. 1,080,803; Dec. 9; Gaz. vol. 197; p. 340.
- Damper-regulator for steam-heating systems. H. Munzer. No. 1,059,556; Apr. 22; Gaz. vol. 189; p. 863.
- Damper regulator, Furnace-. T. H. and F. Rhodes. No. 1,055,655; Mar. 11; Gaz. vol. 188; p. 371.
- Damper-regulator, Liquid-operated. S. P. and J. W. Belt. No. 1,071,864; Sept. 2; Gaz. vol. 194; p. 68.
- Damper, Stove-. A. W. Walker and F. Will. No. 1,066,962; July 8; Gaz. vol. 192; p. 397.
- Dandy-roll. A. C. McDonald. No. 1,071,329; Aug. 26; Gaz. vol. 193; p. 867.
- Danger-signal. W. Schwab. No. 1,065,176; June 17; Gaz. vol. 191; p. 745.
- Danger-signal. J. H. Sanor. No. 1,068,082; July 22; Gaz. vol. 192; p. 846.
- Dark room, Folding. J. Masko. No. 1,074,373; Sept. 30; Gaz. vol. 194; p. 1047.
- Darner, Stocking-. R. Nelson. No. 1,055,783; Mar. 11; Gaz. vol. 188; p. 416.
- Darning-egg. J. B. Eiseman. No. 1,068,420; July 29; Gaz. vol. 192; p. 1002.
- Dash-pot. P. T. Lindhard. No. 1,057,648; Apr. 1; Gaz. vol. 189; p. 86.
- Dash-pot. F. B. Corey. No. 1,058,290; Apr. 8; Gaz. vol. 189; p. 351.
- Dash-pot buffer device, Fluid-. F. C. Furlow. No. 1,064,203; June 10; Gaz. vol. 191; p. 389.
- Date-hook. A. F. Stuelke. No. 1,070,303; Aug. 12; Gaz. vol. 193; p. 448.
- Dating-machine. E. E. Gregory. No. 1,075,822; Oct. 14; Gaz. vol. 195; p. 451.
- Dauber. D. W. Smith. No. 1,071,964; Sept. 2; Gaz. vol. 194; p. 100.
- Dauber. D. W. Smith. No. 1,071,965; Sept. 2; Gaz. vol. 194; p. 100.
- Davenport. E. C. Fisher. No. 1,064,306; June 10; Gaz. vol. 191; p. 423.
- Davenport and bed, Convertible. L. B. Jeffcott. No. 1,072,950; Sept. 9; Gaz. vol. 194; p. 472.
- Davenport and billiard-table, Combined. A. F. Hjort. No. 1,077,276; Nov. 4; Gaz. vol. 196; p. 11.
- Davenport-divan. J. Kramer and R. R. Miller. No. 1,071,757; Sept. 2; Gaz. vol. 194; p. 30.
- Davenport, Folding. G. W. Henry. No. 1,075,147; Oct. 7; Gaz. vol. 195; p. 192.
- Davenport, reclining-couch, and bed, Convertible. C. Danielson. No. 1,082,680; Dec. 30; Gaz. vol. 197; p. 1074.
- Davit. P. Lagaay Az. No. 1,078,080; Nov. 11; Gaz. vol. 196; p. 319.
- Davit, Boat-. H. F. Norton. No. 1,071,783; Sept. 2; Gaz. vol. 194; p. 40.

Alphabetical list of inventions—Continued.

- Davit, Boat-. J. Roeber. No. 1,076,454; Oct. 21; Gaz. vol. 195; p. 698.
- Davit, Ship's. E. Ehlich. No. 1,070,022; Aug. 12; Gaz. vol. 193; p. 351.
- Davit tackle-block. J. T. Bell. No. 1,073,730; Sept. 23; Gaz. vol. 194; p. 804.
- De-aerator. F. S. Strite. No. 1,072,670; Sept. 9; Gaz. vol. 194; p. 371.
- Dead-centers, Means for overcoming. E. J. Irwin. No. 1,066,905; July 8; Gaz. vol. 192; p. 378.
- Dead-fall trap. S. Wiehl. No. 1,075,235; Oct. 7; Gaz. vol. 195; p. 223.
- Dead-lock, Automatic-locking. A. C. O. Bock. No. 1,074,597; Oct. 7; Gaz. vol. 195; p. 3.
- Deafness, Apparatus for use in the treatment of. A. Rosenberg. No. 1,057,279; Mar. 25; Gaz. vol. 188; p. 991.
- Deafness, Apparatus for use in the treatment of. A. Rosenberg. No. 1,077,096; Oct. 28; Gaz. vol. 195; p. 976.
- Debarking-machine. T. W. Simpson. No. 1,051,460; Jan. 28; Gaz. vol. 186; p. 832.
- Decalcomania material. E. Meckbach. No. 1,070,713; Aug. 19; Gaz. vol. 193; p. 628.
- Decanting or settling liquids, Apparatus for. R. Körner. No. 1,073,146; Sept. 16; Gaz. vol. 194; p. 576.
- Deck, Extra. J. R. Denison. No. 1,052,221; Feb. 4; Gaz. vol. 187; p. 130.
- Deck-plate lock. H. Hanson. No. 1,065,358; June 24; Gaz. vol. 191; p. 848.
- Deck-seat and life-boat, Combination. T. J. Murphy. No. 1,049,513; Jan. 7; Gaz. vol. 186; p. 65.
- Decolorizing vegetable extracts containing tanning substances. W. Hildt. No. 1,053,034; Feb. 11; Gaz. vol. 187; p. 438.
- Decorticating-machine. M. Prieto. No. 1,051,006; Jan. 21; Gaz. vol. 186; p. 646.
- Decorticating-machine. T. H. Tombyll. No. 1,064,029; June 10; Gaz. vol. 191; p. 328.
- Decoy. W. R. Johnson. No. 1,062,713; May 27; Gaz. vol. 190; p. 846.
- Decoy. C. A. Cunningham. No. 1,066,587; July 8; Gaz. vol. 192; p. 268.
- Defecation apparatus. A. Wedderburn. No. 1,052,195; Feb. 4; Gaz. vol. 187; p. 122.
- Defecator. M. B. Cresswell. No. 1,075,629; Oct. 14; Gaz. vol. 195; p. 387.
- Defibrating-machine. A. P. O'Brien and J. A. Allen. No. 1,075,266; Oct. 7; Gaz. vol. 195; p. 236.
- Defibrating-machine. J. A. Allen. No. 1,076,092; Oct. 21; Gaz. vol. 195; p. 572.
- Defibrating-machine. J. P. Richardson. No. 1,076,151; Oct. 21; Gaz. vol. 195; p. 592.
- Deflating device. W. F. Sprick. No. 1,077,011; Oct. 28; Gaz. vol. 195; p. 948.
- Deflector. T. T. Peddy. No. 1,075,062; Oct. 7; Gaz. vol. 195; p. 164.
- Deflector and ventilator. S. B. Shipley. No. 1,082,362; Dec. 23; Gaz. vol. 197; p. 932.
- Dehorning apparatus. G. A. Windus. No. 1,067,451; July 15; Gaz. vol. 192; p. 599.
- Dehydrating apparatus. G. D. Harris and J. S. Pollard. No. 1,054,765; Mar. 4; Gaz. vol. 188; p. 38.
- Dehydrating apparatus. E. W. Cooke. No. 1,080,198; Dec. 2; Gaz. vol. 197; p. 98.
- Delinter. J. D. Mullen. No. 1,064,523; June 10; Gaz. vol. 191; p. 497.
- Delinter. J. D. Mullen. No. 1,068,156; July 22; Gaz. vol. 192; p. 871.
- Delivery apparatus. P. Hempel. No. 1,067,112; July 8; Gaz. vol. 192; p. 447.
- Delivery-receptacle. L. T. La Paugh. No. 1,074,369; Sept. 30; Gaz. vol. 194; p. 1046.
- Demand indicator, Maximum-. V. S. Hardey. No. 1,057,640; Apr. 1; Gaz. vol. 189; p. 83.
- Demijohn-washer. J. J. Clifford. No. 1,082,502; Dec. 30; Gaz. vol. 197; p. 1010.
- Demonstrating device. H. D. Clark. No. 1,075,401; Oct. 14; Gaz. vol. 195; p. 308.
- Demountable wheel. T. I. Duffy. No. 1,076,557; Oct. 21; Gaz. vol. 195; p. 734.
- Dental and surgical tool, Combination. H. A. Parr. No. 1,052,374; Feb. 4; Gaz. vol. 187; p. 180.
- Dental apparatus. F. B. Egger. No. 1,068,870; July 29; Gaz. vol. 192; p. 1160.
- Dental appliance. F. O. Keifer. No. 1,050,469; Jan. 14; Gaz. vol. 186; p. 427.
- Dental appliance. E. M. Crane. No. 1,072,432; Sept. 9; Gaz. vol. 194; p. 288.
- Dental appliance. F. H. Skinner. No. 1,072,519; Sept. 9; Gaz. vol. 194; p. 318.
- Dental appliance. C. M. Ballenger. No. 1,080,878; Dec. 9; Gaz. vol. 197; p. 366.
- Dental-appliance holder. E. W. Clinchard. No. 1,076,550; Oct. 21; Gaz. vol. 195; p. 732.
- Dental articulator. J. B. Davis and H. Leuchsenring. No. 1,055,718; Mar. 11; Gaz. vol. 188; p. 392.
- Dental articulator. W. W. Evans. No. 1,055,894; Mar. 11; Gaz. vol. 188; p. 452.
- Dental articulator. R. W. Burch. No. 1,080,809; Dec. 9; Gaz. vol. 197; p. 343.
- Dental articulator attachment. W. W. Evans. No. 1,050,933; Jan. 21; Gaz. vol. 186; p. 622.
- Dental backings, Die for forming. D. H. Carpenter. No. 1,078,829; Nov. 18; Gaz. vol. 196; p. 611.
- Dental blower and syringe, Automatic. I. W. Bush. No. 1,080,261; Dec. 2; Gaz. vol. 197; p. 120.
- Dental bridgework, Porcelain tooth and backing for. W. J. Stewart. No. 1,082,776; Dec. 30; Gaz. vol. 197; p. 1109.
- Dental broach. W. W. Fowler. No. 1,067,015; July 8; Gaz. vol. 192; p. 414.
- Dental broach-blank-making machine. J. F. Hardy. No. 1,082,589; Dec. 30; Gaz. vol. 197; p. 1042.
- Dental casting apparatus. D. S. Mackenzie. No. 1,070,500; Aug. 19; Gaz. vol. 193; p. 557.
- Dental cotton-holder. S. L. Whitright. No. 1,078,230; Nov. 11; Gaz. vol. 196; p. 370.
- Dental crown and bridge structure. G. L. Wernet and H. A. Collett. No. 1,057,192; Mar. 25; Gaz. vol. 188; p. 962.
- Dental device. C. J. Palmer. No. 1,072,357; Sept. 2; Gaz. vol. 194; p. 232.
- Dental disks, Mandrel for. P. Gross. No. 1,071,228; Aug. 26; Gaz. vol. 193; p. 834.
- Dental drill-holding device. J. W. Tenny. No. 1,064,564; June 10; Gaz. vol. 191; p. 512.
- Dental engine. W. E. Clayton. No. 1,071,395; Aug. 26; Gaz. vol. 193; p. 890.
- Dental engine. W. D. Wagar. No. 1,083,039; Dec. 30; Gaz. vol. 197; p. 1196.
- Dental-engine bracket-support. O. H. Pieper. No. 1,054,028; Feb. 25; Gaz. vol. 187; p. 859.
- Dental-engine handpiece. A. R. Keltie. No. 1,056,341; Mar. 18; Gaz. vol. 188; p. 636.
- Dental-engine stone and mandrel. J. W. Welch. No. 1,077,572; Nov. 4; Gaz. vol. 196; p. 116.
- Dental engines, Independent standard for supporting. A. W. Browne. No. 1,063,650; June 3; Gaz. vol. 191; p. 167.
- Dental engines, Wrist-joint for. A. W. Schramm and E. B. Wilford. No. 1,070,188; Aug. 12; Gaz. vol. 193; p. 408.
- Dental flask. E. O. Pieper. No. 1,068,698; July 29; Gaz. vol. 192; p. 1097.
- Dental flask. L. T. and J. H. Weaver. No. 1,083,163; Dec. 30; Gaz. vol. 197; p. 1235.
- Dental floss-holder. W. R. McMillan. No. 1,053,523; Feb. 18; Gaz. vol. 187; p. 651.
- Dental forceps. B. Feldman. No. 1,060,242; Apr. 29; Gaz. vol. 189; p. 1133.
- Dental forceps. B. Feldman. No. 1,060,243; Apr. 29; Gaz. vol. 189; p. 1133.
- Dental forceps. L. S. Hall. No. 1,082,630; Dec. 30; Gaz. vol. 197; p. 1056.
- Dental impression-tray. M. O. Thein. No. 1,054,999; Mar. 4; Gaz. vol. 188; p. 118.
- Dental impression-trays, &c., Handle for. L. E. Eaton. No. 1,073,893; Sept. 23; Gaz. vol. 194; p. 859.
- Dental instrument. W. W. Evans. No. 1,052,806; Feb. 11; Gaz. vol. 187; p. 361.
- Dental instrument. M. Bailey. No. 1,054,488; Feb. 25; Gaz. vol. 187; p. 1017.
- Dental instrument. W. W. Bolls. No. 1,063,109; May 27; Gaz. vol. 190; p. 976.
- Dental instrument. H. A. Wettstine. No. 1,066,966; July 8; Gaz. vol. 192; p. 399.
- Dental instrument. W. W. Evans. No. 1,070,123; Aug. 12; Gaz. vol. 193; p. 385.
- Dental instrument. F. H. Skinner. No. 1,071,106; Aug. 26; Gaz. vol. 193; p. 793.
- Dental instrument. F. H. Skinner. No. 1,072,518; Sept. 9; Gaz. vol. 194; p. 317.
- Dental instrument. J. L. Kelly. (Reissue.) No. 13,621; Sept. 30; Gaz. vol. 194; p. 1121.
- Dental instrument. F. T. Wallen. No. 1,076,534; Oct. 21; Gaz. vol. 195; p. 726.
- Dental-machine handpiece. C. E. Northrop. No. 1,063,282; June 3; Gaz. vol. 191; p. 39.
- Dental models, Manufacturing. P. Robin. No. 1,055,357; Mar. 11; Gaz. vol. 188; p. 273.
- Dental plate-mold. J. W. Greene. No. 1,077,703; Nov. 4; Gaz. vol. 196; p. 158.
- Dental plate-waxer. V. and C. D. McRae. No. 1,070,905; Aug. 19; Gaz. vol. 193; p. 691.
- Dental plates, Manufacturing. E. Telle. No. 1,083,156; Dec. 30; Gaz. vol. 197; p. 1233.
- Dental plates, Repairing. A. C. Alexander. No. 1,066,360; July 1; Gaz. vol. 192; p. 161.
- Dental pliers. G. W. Grant. No. 1,058,745; Apr. 15; Gaz. vol. 189; p. 545.
- Dental plugger attachment. F. C. Lambert. No. 1,073,995; Sept. 23; Gaz. vol. 194; p. 893.
- Dental swaging-block. F. O. Jaques, Jr. No. 1,059,300; Apr. 15; Gaz. vol. 189; p. 738.
- Dental syringe-obtunder. T. N. Iglehart. No. 1,064,331; June 10; Gaz. vol. 191; p. 432.
- Dental tape or floss. F. Z. Hanscom. No. 1,069,874; Aug. 12; Gaz. vol. 193; p. 301.
- Dental tool. F. W. Wallace. No. 1,067,696; July 15; Gaz. vol. 192; p. 683.

Alphabetical list of inventions—Continued.

- Dental tool. A. K. Hoffman. No. 1,075,826; Oct. 14; Gaz. vol. 195; p. 453.
- Dental tool-guard. J. H. Abbott. No. 1,067,571; July 15; Gaz. vol. 192; p. 640.
- Dental vulcanizer. A. C. Hulbert. No. 1,069,616; Aug. 5; Gaz. vol. 193; p. 187.
- Dental wall-bracket. J. H. B. Macintosh. No. 1,050,672; Jan. 14; Gaz. vol. 186; p. 494.
- Dentifrice and floss dispenser. G. Moore. No. 1,050,560; Jan. 14; Gaz. vol. 186; p. 459.
- Dentifrice applicator. L. C. Davis. No. 1,052,043; Feb. 4; Gaz. vol. 187; p. 69.
- Denture, Artificial. C. P. Balger. No. 1,071,019; Aug. 26; Gaz. vol. 193; p. 762.
- Denture, Artificial. E. C. Bennett. No. 1,074,345; Sept. 30; Gaz. vol. 194; p. 1038.
- Denture-support. H. A. Hurd. No. 1,060,568; Apr. 29; Gaz. vol. 189; p. 1248.
- Deodorizer. I. Réenstierna. No. 1,053,873; Feb. 18; Gaz. vol. 187; p. 769.
- Deodorizer. C. W. Kennedy and J. J. Herron. No. 1,060,766; May 6; Gaz. vol. 190; p. 69.
- Depericarping apparatus. H. W. Gabbett-Fairfax. No. 1,051,877; Feb. 4; Gaz. vol. 187; p. 10.
- Deposit and collection box, Hygienic. E. O. Tetrault and T. B. Fairchild. No. 1,054,627; Feb. 25; Gaz. vol. 187; p. 1063.
- Depulping-machine. A. Teresa. No. 1,079,196; Nov. 18; Gaz. vol. 196; p. 739.
- Derail. T. F. McEvoy. No. 1,079,990; Dec. 2; Gaz. vol. 197; p. 24.
- Derailer. E. H. Allfree and W. H. England. No. 1,067,294; July 15; Gaz. vol. 192; p. 547.
- Derailer. H. E. McGinnis. No. 1,078,794; Nov. 18; Gaz. vol. 196; p. 599.
- Derailer, Automatic. M. C. Sloderbeck. No. 1,062,192; May 20; Gaz. vol. 190; p. 631.
- Derailment-guard. W. L. Nelson. No. 1,075,600; Oct. 14; Gaz. vol. 195; p. 377.
- Derrick. T. S. McLendon. No. 1,051,247; Jan. 21; Gaz. vol. 186; p. 727.
- Derrick. O. Crosby. No. 1,052,439; Feb. 4; Gaz. vol. 187; p. 204.
- Derrick. O. W. Callahan. No. 1,054,743; Mar. 4; Gaz. vol. 188; p. 31.
- Derrick. A. P. Johnsen. No. 1,060,603; May 6; Gaz. vol. 190; p. 14.
- Derrick. J. Obstler. No. 1,076,992; Oct. 28; Gaz. vol. 195; p. 942.
- Derrick. O. G. Moore. No. 1,079,303; Nov. 18; Gaz. vol. 196; p. 771.
- Derrick, Hay-. A. Hagerman. No. 1,061,838; May 13; Gaz. vol. 190; p. 469.
- Derricks, Calf-wheel for oil-. J. T. Hall. No. 1,052,916; Feb. 11; Gaz. vol. 187; p. 399.
- Derricks, Construction of calf-wheels for oil-. J. T. Hall. No. 1,052,915; Feb. 11; Gaz. vol. 187; p. 399.
- Desiccating. C. Tellier. No. 1,076,923; Oct. 28; Gaz. vol. 195; p. 917.
- Desiccating. L. C. Merrell. No. 1,082,469; Dec. 23; Gaz. vol. 197; p. 965.
- Desiccating apparatus. A. P. Hunt. No. 1,050,463; Jan. 14; Gaz. vol. 186; p. 425.
- Desiccating apparatus. O. E. Merrell. No. 1,072,391; Sept. 2; Gaz. vol. 194; p. 245.
- Desiccating apparatus. P. W. Foster. No. 1,081,227; Dec. 9; Gaz. vol. 197; p. 480.
- Desiccating apparatus. L. C. Merrell. No. 1,082,468; Dec. 23; Gaz. vol. 197; p. 965.
- Desiccating process. C. H. Brigham. No. 1,071,692; Sept. 2; Gaz. vol. 194; p. 7.
- Designs, Device for making. L. L. Allen. No. 1,071,681; Sept. 2; Gaz. vol. 194; p. 3.
- Designs in fibrous sheets or layers, Machine for forming. F. W. Moore. No. 1,070,511; Aug. 19; Gaz. vol. 193; p. 561.
- Designs upon articles, Forming. J. V. Giles. No. 1,063,529; June 3; Gaz. vol. 191; p. 121.
- Desk. J. W. McCall. No. 1,053,521; Feb. 18; Gaz. vol. 187; p. 651.
- Desk. J. Booth. No. 1,055,014; Mar. 4; Gaz. vol. 188; p. 122.
- Desk. L. C. Walker. No. 1,072,280; Sept. 2; Gaz. vol. 194; p. 206.
- Desk. C. E. Wilson. No. 1,073,574; Sept. 16; Gaz. vol. 194; p. 725.
- Desk, Adjustable school-. H. Harris. No. 1,076,114; Oct. 21; Gaz. vol. 195; p. 581.
- Desk and chair base, Single-pedestal sanitary school. G. W. Donley. No. 1,053,088; Feb. 11; Gaz. vol. 187; p. 458.
- Desk appliance. M. Mello. No. 1,066,030; July 1; Gaz. vol. 192; p. 44.
- Desk attachment. P. A. Inlow. No. 1,059,299; Apr. 15; Gaz. vol. 189; p. 737.
- Desk, Field-. S. M. Wimsett. No. 1,049,790; Jan. 7; Gaz. vol. 186; p. 161.
- Desk-pad. E. Oldenbusch. No. 1,050,747; Jan. 14; Gaz. vol. 186; p. 519.
- Desk-pad support. C. L. Rockwell. No. 1,053,535; Feb. 18; Gaz. vol. 187; p. 656.
- Desk, table, or cabinet. C. de Vleeschouwer and J. Tacoma. No. 1,079,962; Dec. 2; Gaz. vol. 197; p. 14.
- Desk, Teacher's. M. E. Puntenney. No. 1,060,286; Apr. 29; Gaz. vol. 189; p. 1149.
- Desks, Extension and lifting lid for. T. E. McNulty. No. 1,061,194; May 6; Gaz. vol. 190; p. 216.
- Destructor-furnace. P. D. Canham. No. 1,066,184; July 1; Gaz. vol. 192; p. 100.
- Destructor-furnace. P. D. Canham. No. 1,066,185; July 1; Gaz. vol. 192; p. 100.
- Destructor-furnace. P. D. Canham. No. 1,066,186; July 1; Gaz. vol. 192; p. 101.
- Destructor-furnace. E. H. Foster. No. 1,066,198; July 1; Gaz. vol. 192; p. 105.
- Detachable handle. A. A. Warner. No. 1,058,119; Apr. 8; Gaz. vol. 189; p. 293.
- Detachable handle. O. Kuekes. No. 1,066,923; July 8; Gaz. vol. 192; p. 384.
- Detector. *See* Wave-detector.
- Detergent. M. Colvin. No. 1,074,491; Sept. 30; Gaz. vol. 194; p. 1086.
- Detergent for cleaning and polishing purposes. F. N. Pease and M. E. McDonnell. No. 1,052,952; Feb. 11; Gaz. vol. 187; p. 412.
- Detonating alarm. J. McCarthy. No. 1,067,126; July 8; Gaz. vol. 192; p. 452.
- Detonating cap. E. Herz. No. 1,054,411; Feb. 25; Gaz. vol. 187; p. 991.
- Detonating device. S. J. Hibon. No. 1,068,431; July 29; Gaz. vol. 192; p. 1006.
- Detonator-magazine. A. S. Hamilton. No. 1,060,979; May 6; Gaz. vol. 190; p. 145.
- Developing-tank. J. H. Drosser. No. 1,075,905; Oct. 14; Gaz. vol. 195; p. 480.
- Developing-tube. J. E. Wallace. No. 1,051,789; Jan. 28; Gaz. vol. 186; p. 941.
- Dewatering device. W. A. Hendryx. No. 1,053,172; Feb. 18; Gaz. vol. 187; p. 530.
- Diacidyl and higher acidylated compounds from amino-azo bases, Manufacture of. H. Reinhardt. No. 1,076,840; Oct. 28; Gaz. vol. 195; p. 887.
- Dial-mounting. B. Pettersen. No. 1,059,203; Apr. 15; Gaz. vol. 189; p. 705.
- Dial test-indicator. F. Laplant. No. 1,056,186; Mar. 18; Gaz. vol. 188; p. 586.
- Diaminodioxarseno-benzene and making same, Derivatives of. G. Korndörfer and B. Reuter. No. 1,053,300; Feb. 18; Gaz. vol. 187; p. 574.
- Diamond-polishing machine. B. and G. A. De Graaf. No. 1,077,396; Nov. 4; Gaz. vol. 196; p. 55.
- Diaper. G. F. Earnshaw. No. 1,079,479; Nov. 25; Gaz. vol. 196; p. 864.
- Diaphragm. A. W. Schramm. No. 1,055,812; Mar. 11; Gaz. vol. 188; p. 426.
- Diaphragm. T. M. Wilkins. No. 1,057,196; Mar. 25; Gaz. vol. 188; p. 963.
- Diaphragm-hood. H. H. Schroyer. No. 1,063,607; June 3; Gaz. vol. 191; p. 151.
- Diaphragm, Mounting a vibrating. A. Hayes. No. 1,061,072; May 6; Gaz. vol. 190; p. 177.
- Diaphragms, Controlling the vibration of. A. Hayes. No. 1,071,668; Aug. 26; Gaz. vol. 193; p. 979.
- Diaphragms, Means for forming and supporting. G. G. Pierce. No. 1,062,300; May 20; Gaz. vol. 190; p. 668.
- Diastatic product. J. Takamine. No. 1,054,626; Feb. 25; Gaz. vol. 187; p. 1063.
- Diastatic product, Producing. J. Takamine. No. 1,054,324; Feb. 25; Gaz. vol. 187; p. 959.
- Diazotized nitranilins, Producing stable solutions of. R. Fischer. No. 1,057,137; Mar. 25; Gaz. vol. 188; p. 943.
- Dice-throwing device. A. M. Langworthy. No. 1,054,694; Mar. 4; Gaz. vol. 188; p. 13.
- Die. *See* Axle-forming die; Broaching-die; Cutting-die; Expansible die; Molding-die; Pipe-flanging-machine die; Punching-machine die; Recutting-die; Screw-cutting die; Threading-die; Twisting-die; Wire-drawing die.
- Die. K. Engel. No. 1,055,623; Mar. 11; Gaz. vol. 188; p. 360.
- Die. O. A. Smith. No. 1,057,014; Mar. 25; Gaz. vol. 188; p. 900.
- Die. S. A. Clowes. No. 1,071,702; Sept. 2; Gaz. vol. 194; p. 11.
- Die. J. H. Matthews. No. 1,078,601; Nov. 11; Gaz. vol. 196; p. 499.
- Die-block. W. R. Forsyth. No. 1,076,359; Oct. 21; Gaz. vol. 195; p. 665.
- Die for cutting wood and similar materials. E. B. and A. B. Wilder. No. 1,082,985; Dec. 30; Gaz. vol. 197; p. 1179.
- Die for cutting wood and similar materials. E. B. and A. B. Wilder. No. 1,082,986; Dec. 30; Gaz. vol. 197; p. 1180.
- Die-frame. S. W. McKillop. No. 1,058,775; Apr. 15; Gaz. vol. 189; p. 555.
- Die-head, Screw-cutting. H. L. Fisher. No. 1,075,203; Oct. 7; Gaz. vol. 195; p. 212.
- Die-holder, Flexible. F. E. Wells. No. 1,083,040; Dec. 30; Gaz. vol. 197; p. 1197.

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- Die holders, Carriage for wire. J. H. Hough. No. 1,051,889; Feb. 4; Gaz. vol. 187; p. 14.
- Die-magazine. J. L. Rifer. No. 1,082,768; Dec. 30; Gaz. vol. 197; p. 1105.
- Die-maker's clearance-gage. G. Rosén. No. 1,060,634; May 6; Gaz. vol. 190; p. 24.
- Die or tap holder. A. L. Bryant and M. C. Smith. No. 1,050,802; Jan. 21; Gaz. vol. 186; p. 572.
- Die-press. F. Waite. No. 1,082,572; Dec. 30; Gaz. vol. 197; p. 1036.
- Die-press, Automatic. E. E. Winkley. No. 1,082,669; Dec. 30; Gaz. vol. 197; p. 1070.
- Die-stock. O. A. Johnson. No. 1,051,413; Jan. 28; Gaz. vol. 186; p. 817.
- Die-stock. P. Martignoni and A. Jäger. No. 1,061,485; May 13; Gaz. vol. 190; p. 352.
- Die-stock. P. E. Becker. No. 1,062,317; May 20; Gaz. vol. 190; p. 674.
- Die-stock. A. M. Berkshire. No. 1,077,031; Oct. 28; Gaz. vol. 195; p. 955.
- Die-stock. C. T. Benson. No. 1,081,293; Dec. 16; Gaz. vol. 197; p. 541.
- Die-stock. R. B. Tewksbury and H. W. Oster. No. 1,082,282; Dec. 23; Gaz. vol. 197; p. 904.
- Die-stock. H. W. Oster and W. J. Macak. No. 1,082,283; Dec. 23; Gaz. vol. 197; p. 904.
- Die-stock. R. B. Tewksbury. No. 1,082,292; Dec. 23; Gaz. vol. 197; p. 908.
- Die-stock and dies. F. S. Bradley. No. 1,059,025; Apr. 15; Gaz. vol. 189; p. 644.
- Die-stock, Geared. H. W. Oster. No. 1,075,059; Oct. 7; Gaz. vol. 195; p. 163.
- Die-stock, Threading. C. Bergrud. No. 1,054,084; Feb. 25; Gaz. vol. 187; p. 878.
- Die-stocks, Reamer attachment for. F. Saville. No. 1,055,087; Mar. 4; Gaz. vol. 188; p. 148.
- Die-thread machine, Cut-back. E. E. Beck. No. 1,058,711; Apr. 15; Gaz. vol. 189; p. 532.
- Die-upsetting device. W. E. Sennett. No. 1,080,079; Dec. 2; Gaz. vol. 197; p. 57.
- Dies, Apparatus for making. J. W. Simmons. No. 1,060,033; Apr. 29; Gaz. vol. 189; p. 1062.
- Dieing-out machine. G. B. Grover. No. 1,063,871; June 3; Gaz. vol. 191; p. 239.
- Dieing-out machine. A. H. Bradstreet. No. 1,067,461; July 15; Gaz. vol. 192; p. 603.
- Dieing-out machine. S. Keats. No. 1,081,751; Dec. 16; Gaz. vol. 197; p. 692.
- Diethyl sulfate, Manufacture of. L. Lillienfeld. No. 1,074,633; Oct. 7; Gaz. vol. 195; p. 16.
- Differential mechanism. K. A. Kendrick. No. 1,049,869; Jan. 7; Gaz. vol. 186; p. 188.
- Differential mechanism. M. C. Lenoir. No. 1,052,155; Feb. 4; Gaz. vol. 187; p. 109.
- Differential mechanism. A. Coleman. No. 1,061,450; May 13; Gaz. vol. 190; p. 338.
- Digester. D. M. Whalen. No. 1,051,530; Jan. 28; Gaz. vol. 186; p. 857.
- Digger. See Clam-digger; Post-hole digger; Potato-digger.
- Digging implement, Hole-. A. J. Craven. No. 1,082,263; Dec. 23; Gaz. vol. 197; p. 897.
- Digging-machine digging and cleaning apparatus. H. W. Sargent. No. 1,052,972; Feb. 11; Gaz. vol. 187; p. 418.
- Digging or excavating apparatus. J. E. Wyckoff. No. 1,078,234; Nov. 11; Gaz. vol. 196; p. 372.
- Dinitro-methylnitramino-phenyl-arsinic acids, Making derivatives of. L. Ach and A. Rothmann. No. 1,081,079; Dec. 9; Gaz. vol. 197; p. 430.
- Dipper and trayer, Prune. F. E. Payne. No. 1,057,875; Apr. 1; Gaz. vol. 189; p. 165.
- Dipper, Cream-. G. W. Splaine. No. 1,078,175; Nov. 11; Gaz. vol. 196; p. 352.
- Dipper for steam shovels and dredges. C. Butler. No. 1,076,548; Oct. 21; Gaz. vol. 195; p. 731.
- Dipper, Fruit-. R. H. Prestien. No. 1,057,269; Mar. 25; Gaz. vol. 188; p. 988.
- Dipping apparatus. D. C. McCan. No. 1,064,235; June 10; Gaz. vol. 191; p. 400.
- Dipping-machine. H. P. Hall. No. 1,062,001; May 20; Gaz. vol. 190; p. 566.
- Direct-acting engine. G. H. Gilman. No. 1,058,668; Apr. 8; Gaz. vol. 189; p. 481.
- Direct-acting engine. A. Ball and T. Officer. No. 1,075,750; Oct. 14; Gaz. vol. 195; p. 427.
- Directory. F. S. Richmond. No. 1,069,292; Aug. 5; Gaz. vol. 193; p. 72.
- Directory and score-board. A. Spielmann. No. 1,078,221; Nov. 11; Gaz. vol. 196; p. 368.
- Directory-holder, Coin-controlled. J. A. Baldwin. No. 1,074,035; Sept. 23; Gaz. vol. 194; p. 906.
- Directory, Telephone-. J. Sontheimer. No. 1,054,465; Feb. 25; Gaz. vol. 187; p. 1009.
- Dirigible light. R. D. Smith. No. 1,064,389; June 10; Gaz. vol. 191; p. 452.
- Disappearing table or shelf. W. W. Miller. No. 1,055,066; Mar. 4; Gaz. vol. 188; p. 141.
- Disconnecting-switch. A. J. Pahl. No. 1,076,387; Oct. 21; Gaz. vol. 195; p. 673.
- Disconnecting-switch, High-tension. A. S. Kalenborn and A. J. Pahl. No. 1,081,671; Dec. 16; Gaz. vol. 197; p. 665.
- Discount-table. S. M. Hanby. No. 1,070,957; Aug. 19; Gaz. vol. 193; p. 707.
- Dish, Butter-. J. Edman. No. 1,060,973; May 6; Gaz. vol. 190; p. 143.
- Dish-drainer. A. Cockins. No. 1,059,350; Apr. 22; Gaz. vol. 189; p. 792.
- Dish guard, Feed-. P. R. Park. No. 1,079,261; Nov. 18; Gaz. vol. 196; p. 758.
- Dish-handler. P. J. Collins. No. 1,071,705; Sept. 2; Gaz. vol. 194; p. 12.
- Dish rinser and drier, Combined. S. M. Holton. No. 1,060,763; May 6; Gaz. vol. 190; p. 68.
- Dish, Soap-. W. H. Hinz. No. 1,062,827; May 27; Gaz. vol. 190; p. 883.
- Dish-washer. W. H. and K. W. Jones. No. 1,050,467; Jan. 14; Gaz. vol. 186; p. 426.
- Dish-washer. W. R. Walker. No. 1,070,562; Aug. 19; Gaz. vol. 193; p. 579.
- Dish-washing machine. M. E. Miller. No. 1,049,896; Jan. 7; Gaz. vol. 186; p. 196.
- Dish-washing machine. O. B. Clark. No. 1,051,311; Jan. 21; Gaz. vol. 186; p. 749.
- Dish-washing machine. D. A. Drummond. No. 1,064,135; June 10; Gaz. vol. 191; p. 365.
- Dish-washing machine. J. P. Charles. No. 1,069,673; Aug. 12; Gaz. vol. 193; p. 231.
- Dish-washing machine. J. J. Chardell and D. D. Antinazzi. No. 1,070,012; Aug. 12; Gaz. vol. 193; p. 347.
- Dish-washing machine. C. L. Lilleberg. No. 1,080,704; Dec. 9; Gaz. vol. 197; p. 304.
- Dish-washing machine. J. Baumiller and R. J. Barr, Jr. No. 1,082,259; Dec. 23; Gaz. vol. 197; p. 895.
- Dishes, Appliance to facilitate the washing and drying of. R. W. Dickenson. No. 1,074,932; Oct. 7; Gaz. vol. 195; p. 117.
- Disinfectant, Commode-. L. Block. No. 1,049,559; Jan. 7; Gaz. vol. 186; p. 83.
- Disinfectant-holder. F. W. Carmelich. No. 1,064,961; June 17; Gaz. vol. 191; p. 679.
- Disinfectant-holder. F. A. Creed. No. 1,067,472; July 15; Gaz. vol. 192; p. 606.
- Disinfectants and deodorants, Apparatus for applying. E. L. Munson. No. 1,072,351; Sept. 2; Gaz. vol. 194; p. 230.
- Disinfecting apparatus. F. J. Smith. No. 1,075,164; Oct. 7; Gaz. vol. 195; p. 198.
- Disinfecting apparatus, Appliance for charging. J. G. Goodhue. No. 1,070,681; Aug. 19; Gaz. vol. 193; p. 618.
- Disinfecting apparatus, Mattress-. H. F. Jones and W. D. Blythe. No. 1,052,828; Feb. 11; Gaz. vol. 187; p. 369.
- Disinfecting device. O. M. Hitchcock. No. 1,063,684; June 3; Gaz. vol. 191; p. 179.
- Disinfecting device. J. G. Goodhue. No. 1,071,616; Aug. 26; Gaz. vol. 193; p. 962.
- Disinfecting device, Poultry-. J. Hudrie. No. 1,061,540; May 13; Gaz. vol. 190; p. 373.
- Disinfecting gases, Apparatus for. V. Jr., and C. F. Dietz. No. 1,052,898; Feb. 11; Gaz. vol. 187; p. 392.
- Disinfector. L. Block. No. 1,050,797; Jan. 21; Gaz. vol. 186; p. 570.
- Disinfector, Automatic poultry-. J. L. Riley and M. S. Byrd. No. 1,075,855; Oct. 14; Gaz. vol. 195; p. 463.
- Disinfector or deodorizer. J. W. H. and E. R. Williams. (Reissue.) No. 13,551; Apr. 8; Gaz. vol. 189; p. 494.
- Disintegrating-machine. R. F. W. Rossberg. No. 1,083,033; Dec. 30; Gaz. vol. 197; p. 1194.
- Disintegrator. H. Buckley. No. 1,060,739; May 6; Gaz. vol. 190; p. 60.
- Disintegrator. G. L. Borden. No. 1,063,155; May 27; Gaz. vol. 190; p. 991.
- Disk-cutting machine. S. C. Bond. No. 1,059,268; Apr. 15; Gaz. vol. 189; p. 727.
- Disk drill. H. E. Lohman. No. 1,079,871; Nov. 25; Gaz. vol. 196; p. 1001.
- Disk drill and harrow, Combined. H. C. Howe. No. 1,075,211; Oct. 7; Gaz. vol. 195; p. 215.
- Disk fender, Adjustable wheeled. C. H. Saunders. No. 1,057,984; Apr. 1; Gaz. vol. 189; p. 201.
- Disk record and the production thereof. V. H. Emerson. No. 1,050,932; Jan. 21; Gaz. vol. 186; p. 621.
- Disk-record holder. A. S. Nichols. No. 1,066,138; July 1; Gaz. vol. 192; p. 82.
- Disk, Rotary. C. H. McKee. No. 1,077,288; Nov. 4; Gaz. vol. 196; p. 16.
- Disk straightening and truing apparatus. W. Gibbs. No. 1,058,856; Apr. 15; Gaz. vol. 189; p. 584.
- Disk, Subsoil-. D. S. McCann. No. 1,062,246; May 20; Gaz. vol. 190; p. 650.
- Disks and colters when they are being sharpened, Holder for. J. J. Hinds and M. R. Wright. No. 1,073,487; Sept. 16; Gaz. vol. 194; p. 696.
- Disks, Single-shaft. J. E. Symons. No. 1,083,229; Dec. 30; Gaz. vol. 197; p. 1256.
- Dispenser. P. S. Stauffer and G. W. Briggs. No. 1,049,776; Jan. 7; Gaz. vol. 186; p. 157.
- Dispenser. A. A. Cassidy. No. 1,050,339; Jan. 14; Gaz. vol. 186; p. 381.

Alphabetical list of inventions—Continued.

- Dispenser for liquids and other materials. F. R. Bussler. No. 1,079,106; Nov. 18; Gaz. vol. 196; p. 707.
- Dispensing apparatus. H. B. Grisel. No. 1,056,330; Mar. 18; Gaz. vol. 188; p. 633.
- Dispensing apparatus. I. Klayman. No. 1,057,744; Apr. 1; Gaz. vol. 189; p. 119.
- Dispensing apparatus. J. H. Mahoney. No. 1,062,343; May 20; Gaz. vol. 190; p. 682.
- Dispensing apparatus. L. W. Luellen. No. 1,081,508; Dec. 16; Gaz. vol. 197; p. 614.
- Dispensing appliance. M. W. Schloss. No. 1,056,457; Mar. 18; Gaz. vol. 188; p. 678.
- Dispensing-bin. W. G. Templeton. No. 1,054,804; Mar. 4; Gaz. vol. 188; p. 52.
- Dispensing-can. H. W. J. Gruettner. No. 1,075,099; Oct. 7; Gaz. vol. 195; p. 175.
- Dispensing-can. C. A. Mason. No. 1,079,710; Nov. 25; Gaz. vol. 196; p. 943.
- Dispensing-can. R. A. Mowrey. No. 1,079,793; Nov. 25; Gaz. vol. 196; p. 975.
- Dispensing device. J. J. Megirian. No. 1,054,705; Mar. 4; Gaz. vol. 188; p. 17.
- Dispensing device. E. Riordan. No. 1,074,463; Sept. 30; Gaz. vol. 194; p. 1077.
- Dispensing-machine. W. R. Mittendorf. No. 1,068,153; July 22; Gaz. vol. 192; p. 870.
- Dispensing mechanism, Check-controlled. M. H. Brown. No. 1,050,608; Jan. 14; Gaz. vol. 186; p. 475.
- Dispensing-receptacle. G. W. Blake. No. 1,055,310; Mar. 11; Gaz. vol. 188; p. 256.
- Dispensing-receptacle. E. Guggenheim. No. 1,070,598; Aug. 19; Gaz. vol. 193; p. 591.
- Dispensing-tank hood. T. Reis. No. 1,080,478; Dec. 2; Gaz. vol. 197; p. 195.
- Dispensing vessel. A. Heldrich. No. 1,066,813; July 8; Gaz. vol. 192; p. 346.
- Display advertising device, Automatic. W. N. Beyerle. No. 1,054,496; Feb. 25; Gaz. vol. 187; p. 1020.
- Display and storage cabinet. A. M. Anderson. No. 1,054,959; Mar. 4; Gaz. vol. 188; p. 103.
- Display apparatus. M. T. Ash. No. 1,059,653; Apr. 22; Gaz. vol. 189; p. 893.
- Display apparatus and method, Electrographic. M. R. Hutchison. No. 1,068,774; July 29; Gaz. vol. 192; p. 1124.
- Display apparatus, Transmutable. F. C. Newell, Jr. No. 1,052,744; Feb. 11; Gaz. vol. 187; p. 337.
- Display attachment for barrels. J. W. Duffee. No. 1,051,868; Feb. 4; Gaz. vol. 187; p. 7.
- Display-board. H. Detrick. No. 1,074,414; Sept. 30; Gaz. vol. 194; p. 1061.
- Display-box. A. H. Crankshaw. No. 1,053,711; Feb. 18; Gaz. vol. 187; p. 718.
- Display-box. H. C. Patterson, Jr. No. 1,056,826; Mar. 25; Gaz. vol. 188; p. 834.
- Display-box. H. T. Loomis. No. 1,065,538; June 24; Gaz. vol. 191; p. 909.
- Display-box and lid and cover support therefor, Easel-mounted. M. Bayuk and E. P. Hirst. No. 1,049,800; Jan. 7; Gaz. vol. 186; p. 164.
- Display-cabinet for eye-testing cards. W. L. William. No. 1,072,799; Sept. 9; Gaz. vol. 194; p. 416.
- Display-case. D. R. Slater. No. 1,070,547; Aug. 19; Gaz. vol. 193; p. 574.
- Display-case. M. L. Webster. No. 1,071,597; Aug. 26; Gaz. vol. 193; p. 955.
- Display-case. C. W. Kress. No. 1,076,501; Oct. 21; Gaz. vol. 195; p. 714.
- Display-case. H. N. Lines. No. 1,078,447; Nov. 11; Gaz. vol. 196; p. 448.
- Display case, Jewelry-. W. C. Parks. No. 1,059,561; Apr. 22; Gaz. vol. 189; p. 864.
- Display-case or the like. S. W. Badcon. No. 1,082,300; Dec. 23; Gaz. vol. 197; p. 911.
- Display case, Watch-. B. A. Masson. No. 1,081,544; Dec. 16; Gaz. vol. 197; p. 626.
- Display device. F. J. Moore. No. 1,050,974; Jan. 21; Gaz. vol. 186; p. 634.
- Display device. J. Stranderson. No. 1,054,252; Feb. 25; Gaz. vol. 187; p. 935.
- Display device. F. De Nick and J. F. M. Baldi. No. 1,055,886; Mar. 11; Gaz. vol. 188; p. 450.
- Display device. J. Boyd. No. 1,057,926; Apr. 1; Gaz. vol. 189; p. 182.
- Display device. L. H. MacOrquodale. No. 1,062,020; May 20; Gaz. vol. 190; p. 573.
- Display device. L. J. E. Colardeau and J. Richard. No. 1,073,331; Sept. 16; Gaz. vol. 194; p. 642.
- Display device. A. F. Bippus, H. Kempthorn, and G. J. Pascoe. No. 1,075,006; Oct. 7; Gaz. vol. 195; p. 142.
- Display device. J. Stranderson. No. 1,075,069; Oct. 7; Gaz. vol. 195; p. 166.
- Display device. G. W. Pennebaker. No. 1,077,855; Nov. 4; Gaz. vol. 196; p. 209.
- Display device. R. C. Beatty. No. 1,079,096; Nov. 18; Gaz. vol. 196; p. 703.
- Display device. R. C. Beatty. No. 1,079,097; Nov. 18; Gaz. vol. 196; p. 704.
- Display device. E. P. Hirst. No. 1,080,108; Dec. 2; Gaz. vol. 197; p. 67.
- Display device. A. Hendon. No. 1,080,831; Dec. 9; Gaz. vol. 197; p. 351.
- Display device, Advertising. J. Stranderson. No. 1,052,187; Feb. 4; Gaz. vol. 187; p. 120.
- Display device, Corset-. M. M. Beeman. No. 1,073,585; Sept. 23; Gaz. vol. 194; p. 751.
- Display device for bottles and analogous articles. R. C. Beatty. No. 1,079,158; Nov. 18; Gaz. vol. 196; p. 725.
- Display device for casket-handles. L. T. Butler. No. 1,074,584; Sept. 30; Gaz. vol. 194; p. 1116.
- Display device for lanterns. A. S. Spiegel. No. 1,066,765; July 8; Gaz. vol. 192; p. 331.
- Display-easel. O. A. Sargent. No. 1,058,794; Apr. 15; Gaz. vol. 189; p. 561.
- Display-form. E. J. Ryan. No. 1,077,560; Nov. 4; Gaz. vol. 196; p. 111.
- Display-form base. S. F. Cheheyl. No. 1,072,087; Sept. 2; Gaz. vol. 194; p. 143.
- Display-frame. R. B. Ferguson. No. 1,070,239; Aug. 12; Gaz. vol. 193; p. 426.
- Display frame, Dress-. C. M. Anderson. No. 1,067,295; July 15; Gaz. vol. 192; p. 548.
- Display-hanger. W. O. Ritter. No. 1,062,416; May 20; Gaz. vol. 190; p. 706.
- Display-holder. F. Burghardt. No. 1,056,002; Mar. 18; Gaz. vol. 188; p. 523.
- Display-holder. W. Riberkof. No. 1,060,495; Apr. 29; Gaz. vol. 189; p. 1222.
- Display-holder. W. C. Klee. No. 1,081,048; Dec. 9; Gaz. vol. 197; p. 421.
- Display-lid. P. A. Becker. No. 1,079,466; Nov. 25; Gaz. vol. 196; p. 859.
- Display-lid, Knockdown. P. A. Becker. No. 1,080,883; Dec. 9; Gaz. vol. 197; p. 367.
- Display-machine. W. H. Brown. No. 1,079,105; Nov. 18; Gaz. vol. 196; p. 706.
- Display-platform. A. Wiesbauer and J. Gocus. No. 1,052,543; Feb. 11; Gaz. vol. 187; p. 270.
- Display, Preserved-fabric. A. Fowler. No. 1,074,853; Oct. 7; Gaz. vol. 195; p. 90.
- Display-rack. W. M. Johnson. No. 1,049,726; Jan. 7; Gaz. vol. 186; p. 139.
- Display-rack. I. Lesem. No. 1,050,671; Jan. 14; Gaz. vol. 186; p. 494.
- Display-rack. F. A. Crush. No. 1,053,159; Feb. 18; Gaz. vol. 187; p. 526.
- Display-rack. A. E. Miller. No. 1,055,064; Mar. 4; Gaz. vol. 188; p. 140.
- Display-rack. A. T. Hunt. No. 1,057,430; Apr. 1; Gaz. vol. 189; p. 13.
- Display-rack. M. Mayer. No. 1,058,449; Apr. 8; Gaz. vol. 189; p. 408.
- Display-rack. L. R. Nelson. No. 1,061,001; May 6; Gaz. vol. 190; p. 153.
- Display-rack. J. A. Morrison. No. 1,061,625; May 13; Gaz. vol. 190; p. 402.
- Display-rack. A. E. Miller and S. Himmel. No. 1,063,822; June 3; Gaz. vol. 191; p. 225.
- Display-rack. A. E. Miller. No. 1,063,925; June 3; Gaz. vol. 191; p. 259.
- Display-rack. F. L. Bailey. No. 1,065,859; June 24; Gaz. vol. 191; p. 1018.
- Display-rack. J. E. Edmunds. No. 1,066,090; July 1; Gaz. vol. 192; p. 66.
- Display-rack. T. E. Crecelius. No. 1,067,801; July 22; Gaz. vol. 192; p. 752.
- Display-rack. S. Biasatti. No. 1,073,564; Sept. 16; Gaz. vol. 194; p. 722.
- Display-rack. S. Himmel. No. 1,075,035; Oct. 7; Gaz. vol. 195; p. 154.
- Display-rack. E. G. Bennett. No. 1,077,788; Nov. 4; Gaz. vol. 196; p. 188.
- Display-rack. A. W. Bair. No. 1,080,530; Dec. 9; Gaz. vol. 197; p. 243.
- Display-rack. R. M. McCleary and G. L. Harnly. No. 1,081,685; Dec. 16; Gaz. vol. 197; p. 669.
- Display-rack. F. W. Gibson and C. S. Marden. No. 1,082,078; Dec. 23; Gaz. vol. 197; p. 833.
- Display rack, Folding floral-. J. A. Buchner. No. 1,078,248; Nov. 11; Gaz. vol. 196; p. 376.
- Display-rack for hats. F. E. Meinel. No. 1,071,168; Aug. 26; Gaz. vol. 193; p. 813.
- Display-rack for roofing. H. M. McCord. No. 1,067,358; July 15; Gaz. vol. 192; p. 569.
- Display rack, Merchandise-. J. Gray. No. 1,078,728; Nov. 18; Gaz. vol. 196; p. 576.
- Display rack, Veil-. M. Fitzpatrick. No. 1,071,722; Sept. 2; Gaz. vol. 194; p. 18.
- Display-rack wing or leaf. L. Feldman, Jr., and T. E. Crecelius. No. 1,060,443; Apr. 29; Gaz. vol. 189; p. 1204.
- Display-racks, Fastening-clip for wings or leaves for. T. E. Crecelius. No. 1,068,416; July 29; Gaz. vol. 192; p. 1001.
- Display-racks, Support-bracket for. M. Mayer. No. 1,082,965; Dec. 30; Gaz. vol. 197; p. 1174.
- Display-racks, Wing or panel for. T. E. Crecelius. No. 1,069,114; Aug. 5; Gaz. vol. 193; p. 9.
- Display-stand. T. J. Martin. No. 1,065,381; June 24; Gaz. vol. 191; p. 855.

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- Display-stand. M. Jersemann. No. 1,067,816; July 22; Gaz. vol. 192; p. 757.
- Display-stand. A. Brackley. No. 1,072,693; Sept. 9; Gaz. vol. 194; p. 379.
- Display-stand. P. L. Davis. No. 1,072,704; Sept. 9; Gaz. vol. 194; p. 382.
- Display-stand. J. D. Walsh. No. 1,074,669; Oct. 7; Gaz. vol. 195; p. 29.
- Display-stand. H. E. Bartindale and F. S. Scott. No. 1,081,009; Dec. 9; Gaz. vol. 197; p. 409.
- Display-stand and counter, Combination. W. P. Jones. No. 1,073,138; Sept. 16; Gaz. vol. 194; p. 573.
- Display stand and rack, Combination. F. W. Miller, J. J. Kale, and S. D. Robinson. No. 1,072,347; Sept. 2; Gaz. vol. 194; p. 228.
- Display-stand for flowers. H. G. Dreyer. No. 1,063,961; June 10; Gaz. vol. 191; p. 305.
- Display testing device. M. M. Beeman and R. C. Bickerstaff. No. 1,050,331; Jan. 14; Gaz. vol. 186; p. 378.
- Display-top for receptacles. J. W. Saylor. No. 1,059,221; Apr. 15; Gaz. vol. 189; p. 711.
- Display-tray. J. H. Boller. No. 1,059,266; Apr. 15; Gaz. vol. 189; p. 726.
- Displaying advertisements, Device for. E. C. Angell. No. 1,052,995; Feb. 11; Gaz. vol. 187; p. 425.
- Displaying advertisements, Information-sheets, &c., Apparatus for. A. H. Wright. No. 1,052,874; Feb. 11; Gaz. vol. 187; p. 383.
- Displaying advertisements or other information, Mechanism for. H. Tas. No. 1,059,784; Apr. 22; Gaz. vol. 189; p. 937.
- Displaying and dispensing beer, Counter apparatus for. T. C. Walter. No. 1,056,238; Mar. 18; Gaz. vol. 188; p. 604.
- Displaying and vending cigars, &c., Apparatus for. W. G. J. Collins. No. 1,052,798; Feb. 11; Gaz. vol. 187; p. 358.
- Displaying dry goods, Device for. K. Montgomery. No. 1,068,914; July 29; Gaz. vol. 192; p. 1175.
- Displaying-machine, Automatic. W. J. Rowe, C. E. Smack, and J. C. Theberath. No. 1,082,770; Dec. 30; Gaz. vol. 197; p. 1106.
- Displaying mechanism for cash-registers or tills, Advertisement-. W. R. Harvey. No. 1,056,276; Mar. 18; Gaz. vol. 188; p. 617.
- Displaying rugs, Rack for. H. L. Gardner and W. L. Chase. No. 1,068,050; July 22; Gaz. vol. 192; p. 836.
- Displaying sheets, Contrivance for intermittently. W. H. Ell and J. Miller. No. 1,059,663; Apr. 22; Gaz. vol. 189; p. 897.
- Dissolving-tank. W. E. Lummus. No. 1,063,707; June 3; Gaz. vol. 191; p. 188.
- Distance-recorder for automobiles and other vehicles. O. Schulze and E. Seignol. No. 1,058,910; Apr. 15; Gaz. vol. 189; p. 605.
- Distillation of fuels, Obtaining by-products from the gaseous. W. Feicks. No. 1,051,876; Feb. 4; Gaz. vol. 187; p. 10.
- Distillation of resins, Apparatus for the regular and continuous. L. B. Castels. No. 1,052,214; Feb. 4; Gaz. vol. 187; p. 128.
- Distilling apparatus. J. A. Houser. No. 1,082,525; Dec. 30; Gaz. vol. 197; p. 1018.
- Distilling apparatus, Continuous. A. C. Badger. No. 1,082,064; Dec. 23; Gaz. vol. 197; p. 828.
- Distilling liquids and fusible solids, Apparatus for. J. W. Aylsworth and F. L. Dyer. No. 1,079,093; Nov. 18; Gaz. vol. 196; p. 702.
- Distilling petroleum, Process of and apparatus for. J. W. Van Dyke and W. M. Irish. No. 1,073,548; Sept. 16; Gaz. vol. 194; p. 715.
- Distilling turpentine from crude pine-gums of various ages. R. Dunwody. No. 1,055,149; Mar. 4; Gaz. vol. 188; p. 166.
- Distributor. R. M. Brown. No. 1,067,093; July 8; Gaz. vol. 192; p. 439.
- Distributor. F. J. Brink. No. 1,067,780; July 15; Gaz. vol. 192; p. 711.
- Distributing and mixing apparatus. K. Ferber. No. 1,065,793; June 24; Gaz. vol. 191; p. 995.
- Distributing apparatus. C. Hennessee. No. 1,076,673; Oct. 28; Gaz. vol. 195; p. 828.
- Distributing-machine. C. P. Sester. No. 1,050,569; Jan. 14; Gaz. vol. 186; p. 462.
- Distributing-machine. W. J. Poole. No. 1,075,724; Oct. 14; Gaz. vol. 195; p. 418.
- Distributing-tank. C. D. Blevins. No. 1,055,602; Mar. 11; Gaz. vol. 188; p. 354.
- Distribution system. J. H. Hall. No. 1,069,780; Aug. 12; Gaz. vol. 193; p. 268.
- Distribution system. E. H. Schwarz. No. 1,082,561; Dec. 30; Gaz. vol. 197; p. 1031.
- Distribution system. H. A. Laycock. No. 1,082,962; Dec. 30; Gaz. vol. 197; p. 1172.
- Ditch. Concrete. S. L. Stovall. No. 1,080,499; Dec. 2; Gaz. vol. 197; p. 203.
- Ditches, Stop for. J. H. Patrick. No. 1,077,996; Nov. 11; Gaz. vol. 196; p. 290.
- Ditching-machine. J. K. Cuff. No. 1,060,538; Apr. 29; Gaz. vol. 189; p. 1237.
- Ditching-machine. W. J. Abbott. No. 1,062,528; May 20; Gaz. vol. 190; p. 742.
- Ditching-machine. C. Horlx. No. 1,064,733; June 17; Gaz. vol. 191; p. 606.
- Ditching-machine. H. W. Lutz and W. Hutchison. No. 1,065,457; June 24; Gaz. vol. 191; p. 882.
- Ditching-machine. C. N. Morgan. No. 1,066,308; July 1; Gaz. vol. 192; p. 145.
- Ditching-machine. H. P. Thomas. No. 1,066,553; July 8; Gaz. vol. 192; p. 256.
- Ditching-machine. M. L. Poulter. No. 1,071,085; Aug. 26; Gaz. vol. 193; p. 785.
- Ditching-machine. D. C. Stowe. No. 1,071,477; Aug. 26; Gaz. vol. 193; p. 916.
- Ditching-machine. J. E. Funk. No. 1,073,227; Sept. 16; Gaz. vol. 194; p. 606.
- Ditching-machine. B. Bowman. (Reissue.) No. 13,623; Oct. 7; Gaz. vol. 195; p. 255.
- Ditching-machine. E. B. Willson. No. 1,077,777; Nov. 4; Gaz. vol. 196; p. 184.
- Divan or couch-bed, Convertible. S. W. Potts. No. 1,061,496; May 13; Gaz. vol. 190; p. 354.
- Divanette. B. B. Englander. No. 1,061,534; May 13; Gaz. vol. 190; p. 370.
- Divanette. J. F. Kampe. No. 1,062,337; May 20; Gaz. vol. 190; p. 680.
- Divanette. C. J. Kindel. No. 1,074,799; Oct. 7; Gaz. vol. 195; p. 73.
- Divanette. S. Lanes and O. Rudich. No. 1,077,842; Nov. 4; Gaz. vol. 196; p. 205.
- Divanette, Adjustable-back. B. B. Englander. No. 1,061,533; May 13; Gaz. vol. 190; p. 370.
- Divanette, Two-motion. B. B. Englander. No. 1,063,519; June 3; Gaz. vol. 191; p. 118.
- Dividing-head. O. Rössler. No. 1,067,682; July 15; Gaz. vol. 192; p. 679.
- Diving apparatus. D. K. Karamanos. No. 1,068,433; July 29; Gaz. vol. 192; p. 1007.
- Diving apparatus. H. Stelzner. No. 1,073,370; Sept. 16; Gaz. vol. 194; p. 656.
- Diving apparatus. C. F. Darssin. No. 1,076,820; Oct. 28; Gaz. vol. 195; p. 880.
- Diving apparatus for marine explorations and the like. W. J. O'Connor. No. 1,069,281; Aug. 5; Gaz. vol. 193; p. 67.
- Dobby. C. Sylvester. No. 1,062,864; May 27; Gaz. vol. 190; p. 895.
- Dobby. R. F. Watchorn. No. 1,074,670; Oct. 7; Gaz. vol. 195; p. 29.
- Dock. Dry-. A. Roy. No. 1,058,106; Apr. 8; Gaz. vol. 189; p. 288.
- Dock. Floating dry-. W. T. Donnelly. No. 1,052,225; Feb. 4; Gaz. vol. 187; p. 131.
- Dock. Ore-. M. Foltz. No. 1,050,357; Jan. 14; Gaz. vol. 186; p. 387.
- Dock. Ore-. M. Toltz. No. 1,077,205; Oct. 28; Gaz. vol. 195; p. 1009.
- Doffer. H. D. Colman and B. A. Peterson. No. 1,062,439; May 20; Gaz. vol. 190; p. 713.
- Doffer. B. A. Peterson. No. 1,063,587; June 3; Gaz. vol. 191; p. 142.
- Doffer. B. A. Peterson. No. 1,064,165; June 10; Gaz. vol. 191; p. 375.
- Doffer. B. A. Peterson. No. 1,067,058; July 8; Gaz. vol. 192; p. 428.
- Doffer. B. A. Peterson. No. 1,075,852; Oct. 14; Gaz. vol. 195; p. 462.
- Doffing mechanism. S. Shackleton. No. 1,079,270; Nov. 18; Gaz. vol. 196; p. 761.
- Dog. Adjustable. G. C. Ludgate. No. 1,060,915; May 6; Gaz. vol. 190; p. 122.
- Doll. C. D. Beedle. No. 1,050,793; Jan. 21; Gaz. vol. 186; p. 569.
- Doll. A. H. Butler. No. 1,053,902; Feb. 18; Gaz. vol. 187; p. 779.
- Doll. B. Goldenberg. No. 1,055,458; Mar. 11; Gaz. vol. 188; p. 308.
- Doll. D. G. Brown. No. 1,065,776; June 24; Gaz. vol. 191; p. 990.
- Doll. A. L. Stevens. No. 1,070,553; Aug. 19; Gaz. vol. 193; p. 576.
- Doll. E. D. Lee. No. 1,075,482; Oct. 14; Gaz. vol. 195; p. 336.
- Doll, Multifaced. C. Lombra. No. 1,059,178; Apr. 15; Gaz. vol. 189; p. 696.
- Dolls, Leg and arm for. B. Goldenberg. No. 1,065,354; June 24; Gaz. vol. 191; p. 846.
- Domestic boiler. L. Englund. No. 1,072,105; Sept. 2; Gaz. vol. 194; p. 149.
- Door. E. W. Walsh. No. 1,052,108; Feb. 4; Gaz. vol. 187; p. 92.
- Door. G. H. Hess. No. 1,056,541; Mar. 18; Gaz. vol. 188; p. 709.
- Door. B. Stevens. No. 1,068,540; July 29; Gaz. vol. 192; p. 1042.
- Door. F. F. Miller. No. 1,069,345; Aug. 5; Gaz. vol. 193; p. 90.
- Door. J. C. McCormick. No. 1,071,251; Aug. 26; Gaz. vol. 193; p. 841.

Alphabetical list of inventions—Continued.

- Door. A. H. Newpher. No. 1,073,160; Sept. 16; Gaz. vol. 194; p. 580.
- Door. J. A. Glese. No. 1,079,121; Nov. 18; Gaz. vol. 196; p. 713.
- Door, Adjustable grain-. H. W. F. Jaeger. No. 1,057,965; Apr. 1; Gaz. vol. 189; p. 195.
- Door and other frames, Means for securing metal trimmings or moldings to. H. J. Holmes. No. 1,068,656; July 29; Gaz. vol. 192; p. 1083.
- Door and sash fastener, Combined. F. J. Boring. No. 1,053,002; Feb. 11; Gaz. vol. 187; p. 427.
- Door and securing means therefor. W. M. Gray. No. 1,056,168; Mar. 18; Gaz. vol. 188; p. 580.
- Door and step motor. J. F. McElroy. No. 1,063,370; June 3; Gaz. vol. 191; p. 68.
- Door and step operating mechanism, Combined. H. Rowntree. No. 1,067,787; July 15; Gaz. vol. 192; p. 713.
- Door and window check. J. Suter. No. 1,055,829; Mar. 11; Gaz. vol. 188; p. 431.
- Door and window frame construction, Metal. P. Gerhardt. No. 1,068,645; July 29; Gaz. vol. 192; p. 1079.
- Door and window lock, Pocket. W. H. Allison and J. J. Crawford. No. 1,056,618; Mar. 18; Gaz. vol. 188; p. 734.
- Door and window locking device. H. J. Frederick. No. 1,082,019; Dec. 23; Gaz. vol. 197; p. 813.
- Door and window screen. L. T. Greist. No. 1,057,728; Apr. 1; Gaz. vol. 189; p. 113.
- Door and window stiles, Machine for cutting grooves in. F. V. Phillips. No. 1,076,781; Oct. 28; Gaz. vol. 195; p. 867.
- Door-assembling machine. W. F. Ohlrau. No. 1,069,805; Aug. 12; Gaz. vol. 193; p. 277.
- Door, Bin-. R. B. Pearson. No. 1,057,769; Apr. 1; Gaz. vol. 189; p. 127.
- Door-bolt, Safety. B. F. Foss. No. 1,067,241; July 15; Gaz. vol. 192; p. 527.
- Door-buffer. T. M. Lavelle. No. 1,073,253; Sept. 16; Gaz. vol. 194; p. 615.
- Door buffer and catch. P. J. A. Schnoor. No. 1,054,366; Feb. 25; Gaz. vol. 187; p. 975.
- Door-building device. H. E. Moore. No. 1,074,639; Oct. 7; Gaz. vol. 195; p. 18.
- Door-catch. F. G. Hepburn. No. 1,068,899; July 29; Gaz. vol. 192; p. 1170.
- Door catch, Screen-. L. E. Gamble. No. 1,068,886; July 29; Gaz. vol. 192; p. 1165.
- Door catch, Sliding-. C. Hitzl. No. 1,064,326; June 10; Gaz. vol. 191; p. 430.
- Door, Cellar-. O. G. Clay. No. 1,068,856; July 29; Gaz. vol. 192; p. 1155.
- Door, Cellar or like. K. O. Muehlberg. No. 1,050,981; Jan. 21; Gaz. vol. 186; p. 637.
- Door-check. B. F. Perry. No. 1,049,529; Jan. 7; Gaz. vol. 186; p. 71.
- Door-check. E. Shock. No. 1,051,826; Jan. 28; Gaz. vol. 186; p. 954.
- Door-check. F. J. Spring. No. 1,052,019; Feb. 4; Gaz. vol. 187; p. 60.
- Door-check. J. E. Gibbs. No. 1,055,030; Mar. 4; Gaz. vol. 188; p. 129.
- Door-check. G. A. Bull. No. 1,057,995; Apr. 1; Gaz. vol. 189; p. 204.
- Door-check. F. W. Weatherford. No. 1,065,411; June 24; Gaz. vol. 191; p. 867.
- Door-check. J. W. Clement. No. 1,069,676; Aug. 12; Gaz. vol. 193; p. 232.
- Door-check. T. S. Grisell. No. 1,070,799; Aug. 19; Gaz. vol. 193; p. 658.
- Door-check. E. Gadbois. No. 1,071,409; Aug. 26; Gaz. vol. 193; p. 894.
- Door-check. J. K. Young. No. 1,074,151; Sept. 30; Gaz. vol. 194; p. 974.
- Door-check. H. A. Kendall. No. 1,074,798; Oct. 7; Gaz. vol. 195; p. 73.
- Door-check. W. Zindel. No. 1,076,933; Oct. 28; Gaz. vol. 195; p. 921.
- Door-check. F. Mertsheimer. No. 1,082,432; Dec. 23; Gaz. vol. 197; p. 954.
- Door check and buffer, Combined. J. H. Derryberry. No. 1,053,717; Feb. 18; Gaz. vol. 187; p. 720.
- Door check and closer. A. Rispel. No. 1,053,222; Feb. 18; Gaz. vol. 187; p. 547.
- Door check and closer. J. G. Goodhue. No. 1,066,600; July 8; Gaz. vol. 192; p. 273.
- Door check and closer. J. Gérard. No. 1,076,205; Oct. 21; Gaz. vol. 195; p. 609.
- Door-check and pivotal support. O. Katzenberger. No. 1,057,847; Apr. 1; Gaz. vol. 189; p. 155.
- Door check and spring, Combined. J. E. Gibbs. No. 1,062,575; May 20; Gaz. vol. 190; p. 758.
- Door-check, Automatic. E. F. Dexter. No. 1,055,888; Mar. 11; Gaz. vol. 188; p. 450.
- Door-check, Double-acting. L. D. Malone and H. E. Hubbs. No. 1,070,708; Aug. 19; Gaz. vol. 193; p. 627.
- Door-check, Double-acting. J. H. Shaw. No. 1,074,091; Sept. 23; Gaz. vol. 194; p. 925.
- Door-check, Liquid. G. W. Yeager and C. J. Lamm. No. 1,057,200; Mar. 25; Gaz. vol. 188; p. 965.
- Door-check, Liquid. T. Mooney. No. 1,067,618; July 15; Gaz. vol. 192; p. 656.
- Door check, Sliding-. H. G. Voight. No. 1,069,079; July 29; Gaz. vol. 192; p. 1230.
- Door checks and closers, Regulating device for. P. E. Nordqvist. No. 1,062,297; May 20; Gaz. vol. 190; p. 667.
- Door-closer. O. C. Rixson. No. 1,064,256; June 10; Gaz. vol. 191; p. 407.
- Door closer and check, Single-acting-. O. C. Rixson. No. 1,064,255; June 10; Gaz. vol. 191; p. 406.
- Door closing and checking mechanism. P. A. Smithurst. No. 1,077,234; Oct. 28; Gaz. vol. 195; p. 1019.
- Door, Collapsible revolving. G. A. K. Sutton. No. 1,069,739; Aug. 12; Gaz. vol. 193; p. 254.
- Door construction for cases, Disappearing-. F. E. Meinel. No. 1,078,795; Nov. 18; Gaz. vol. 196; p. 600.
- Door-controlling means. H. G. Voight. No. 1,058,679; Apr. 8; Gaz. vol. 189; p. 485.
- Door-controlling means. H. G. Voight. No. 1,069,076; July 29; Gaz. vol. 192; p. 1229.
- Door-controlling means. H. G. Voight. No. 1,069,077; July 29; Gaz. vol. 192; p. 1230.
- Door-controlling means. H. G. Voight. No. 1,070,368; Aug. 12; Gaz. vol. 193; p. 470.
- Door-controlling means. W. K. Henry. No. 1,079,763; Nov. 25; Gaz. vol. 196; p. 965.
- Door-controlling means, Adjustment for. H. G. Voight. No. 1,070,363; Aug. 12; Gaz. vol. 193; p. 468.
- Door-controlling means, Sectional-sliding-. H. G. Voight. No. 1,069,074; July 29; Gaz. vol. 192; p. 1228.
- Door-controlling mechanism. T. H. Garland. No. 1,071,730; Sept. 2; Gaz. vol. 194; p. 20.
- Door-controlling mechanism. C. A. Carlson. No. 1,077,594; Nov. 4; Gaz. vol. 196; p. 122.
- Door-fastener. J. Farr. No. 1,054,100; Feb. 25; Gaz. vol. 187; p. 883.
- Door-fastener. O. L. Tafe. No. 1,055,830; Mar. 11; Gaz. vol. 188; p. 432.
- Door-fastener. J. Morrison. No. 1,055,941; Mar. 11; Gaz. vol. 188; p. 468.
- Door-fastener. I. F. Parsons. No. 1,061,629; May 13; Gaz. vol. 190; p. 403.
- Door-fastener. R. Y. Hughes and L. J. Hoffmann. No. 1,074,261; Sept. 30; Gaz. vol. 194; p. 1010.
- Door-fastener. M. Schlis. No. 1,077,433; Nov. 4; Gaz. vol. 196; p. 68.
- Door-fastener. S. Northey. No. 1,078,549; Nov. 11; Gaz. vol. 196; p. 481.
- Door-fastener. W. I. Randall. No. 1,081,404; Dec. 16; Gaz. vol. 197; p. 578.
- Door fastener and alarm, Combined. E. Troetel. No. 1,054,152; Feb. 25; Gaz. vol. 187; p. 901.
- Door fastener and buffer, Sliding-. E. Schmid. No. 1,073,057; Sept. 9; Gaz. vol. 194; p. 509.
- Door fastener, Heater-. S. B. Haseltine. No. 1,060,756; May 6; Gaz. vol. 190; p. 66.
- Door fastener, Sliding-. B. Julien. No. 1,053,826; Feb. 18; Gaz. vol. 187; p. 754.
- Door fastener, Sliding-. S. E. Wiley. No. 1,070,865; Aug. 19; Gaz. vol. 193; p. 678.
- Door fastener, Sliding-. J. M. Hopkins. No. 1,071,745; Sept. 2; Gaz. vol. 194; p. 26.
- Door fastener, Sliding-. G. M. Monson. No. 1,078,941; Nov. 18; Gaz. vol. 196; p. 648.
- Door, Folding. J. E. Schaefer. No. 1,060,132; Apr. 29; Gaz. vol. 189; p. 1094.
- Door, Folding. H. C. Schwemlein. No. 1,069,733; Aug. 12; Gaz. vol. 193; p. 251.
- Door for cabinets, Air-tight. H. F. Beers. No. 1,075,622; Oct. 14; Gaz. vol. 195; p. 384.
- Door for distributing-cases, Reversible. P. J. Madigan. No. 1,070,502; Aug. 19; Gaz. vol. 193; p. 558.
- Door for show-cases and other inclosures. R. Pitt. No. 1,061,008; May 6; Gaz. vol. 190; p. 156.
- Door for silos. D. A. Salnave. No. 1,079,518; Nov. 25; Gaz. vol. 196; p. 877.
- Door-frame. W. E. Charron and L. N. Richard. No. 1,067,306; July 15; Gaz. vol. 192; p. 551.
- Door-frame and the like, Hollow metal. A. J. Ellis. No. 1,063,517; June 3; Gaz. vol. 191; p. 117.
- Door, Grain-. W. J. Milloway. No. 1,051,965; Feb. 4; Gaz. vol. 187; p. 41.
- Door, Grain-. E. Posson. No. 1,067,548; July 15; Gaz. vol. 192; p. 633.
- Door, Grain-. D. Darwin. No. 1,068,327; July 22; Gaz. vol. 192; p. 932.
- Door, Grain-. R. W. Burnett. No. 1,069,672; Aug. 12; Gaz. vol. 193; p. 230.
- Door, Grain-. J. Woods. No. 1,073,202; Sept. 16; Gaz. vol. 194; p. 595.
- Door, Grain-. P. J. Hansen. No. 1,073,981; Sept. 23; Gaz. vol. 194; p. 888.
- Door-hanger. C. A. Allen. No. 1,049,638; Jan. 7; Gaz. vol. 186; p. 110.
- Door-hanger. C. H. Howard. No. 1,050,656; Jan. 14; Gaz. vol. 186; p. 489.
- Door-hanger. J. W. Matheson. No. 1,051,426; Jan. 28; Gaz. vol. 186; p. 821.

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- Door-hanger. N. Silverson. No. 1,057,290; Mar. 25; Gaz. vol. 188; p. 995.
- Door-hanger. E. P. Adams. No. 1,058,513; Apr. 8; Gaz. vol. 189; p. 429.
- Door-hanger. G. E. Neice and F. W. Marlowe. No. 1,058,621; Apr. 8; Gaz. vol. 189; p. 464.
- Door-hanger. J. Caneavri. No. 1,060,318; Apr. 29; Gaz. vol. 189; p. 1161.
- Door-hanger. J. W. Anderson. No. 1,063,236; June 3; Gaz. vol. 191; p. 24.
- Door-hanger. L. Trabue. No. 1,064,875; June 17; Gaz. vol. 191; p. 651.
- Door-hanger. M. Mock. No. 1,065,164; June 17; Gaz. vol. 191; p. 744.
- Door-hanger. W. H. Fitch. No. 1,065,794; June 24; Gaz. vol. 191; p. 996.
- Door-hanger. E. J. Wells. No. 1,066,236; July 1; Gaz. vol. 192; p. 119.
- Door-hanger. A. Wagner. No. 1,066,458; July 1; Gaz. vol. 192; p. 192.
- Door-hanger. J. Olman. No. 1,067,486; July 15; Gaz. vol. 192; p. 612.
- Door-hanger. J. C. Prim. No. 1,067,678; July 15; Gaz. vol. 192; p. 678.
- Door-hanger. J. C. Flugger. No. 1,067,725; July 15; Gaz. vol. 192; p. 693.
- Door-hanger. J. L. Kail. No. 1,069,261; Aug. 5; Gaz. vol. 193; p. 62.
- Door-hanger. A. Kovács. No. 1,070,488; Aug. 19; Gaz. vol. 193; p. 553.
- Door-hanger. E. Schmid. No. 1,072,040; Sept. 2; Gaz. vol. 194; p. 127.
- Door-hanger. C. C. Nelson. No. 1,073,509; Sept. 16; Gaz. vol. 194; p. 703.
- Door-hanger. C. P. Chamberlin and F. Miller. No. 1,075,089; Oct. 7; Gaz. vol. 195; p. 172.
- Door-hanger. T. Lloyd. No. 1,079,870; Nov. 25; Gaz. vol. 196; p. 1001.
- Door-hanger. J. T. McCabe. No. 1,082,129; Dec. 23; Gaz. vol. 197; p. 849.
- Door-hanger. L. E. Fournier. No. 1,082,801; Dec. 30; Gaz. vol. 197; p. 1116.
- Door-hanger and track, Combined. J. W. Guy. No. 1,052,719; Feb. 11; Gaz. vol. 187; p. 329.
- Door-hanger and track, Sliding. O. Weidrich. No. 1,054,376; Feb. 25; Gaz. vol. 187; p. 978.
- Door-hanger and track, Sliding. O. Weidrich. No. 1,054,377; Feb. 25; Gaz. vol. 187; p. 978.
- Door-hanger, Ball-bearing. K. Strohmann. No. 1,062,862; May 27; Gaz. vol. 190; p. 895.
- Door-hanger, Barn-. P. Frantz. No. 1,070,243; Aug. 12; Gaz. vol. 193; p. 427.
- Door-hanger, Releasing. E. P. Farley and J. L. Rifer. No. 1,056,014; Mar. 18; Gaz. vol. 188; p. 527.
- Door-hanger, Sliding. W. F. Jacobs. No. 1,053,399; Feb. 18; Gaz. vol. 187; p. 608.
- Door-hanger, Sliding. F. H. Lange, Jr. No. 1,054,357; Feb. 25; Gaz. vol. 187; p. 972.
- Door-hanger, Sliding. J. Stolz. No. 1,073,180; Sept. 16; Gaz. vol. 194; p. 588.
- Door-hanger track. H. C. Smith. No. 1,074,021; Sept. 23; Gaz. vol. 194; p. 901.
- Door-hanger track, Barn-. G. W. Yentzer. No. 1,079,734; Nov. 25; Gaz. vol. 196; p. 952.
- Door-hanger track, Sliding. J. W. Anderson. No. 1,071,380; Aug. 26; Gaz. vol. 193; p. 884.
- Door-holder. E. H. Barton. No. 1,054,386; Feb. 25; Gaz. vol. 187; p. 982.
- Door-holder. H. H. Barnett. No. 1,055,999; Mar. 18; Gaz. vol. 188; p. 523.
- Door-holder. E. Bommer. No. 1,061,592; May 13; Gaz. vol. 190; p. 391.
- Door-holder. W. O. Van Ormer. No. 1,081,795; Dec. 16; Gaz. vol. 197; p. 708.
- Door-holder and stop. M. J. Kenny. No. 1,073,243; Sept. 16; Gaz. vol. 194; p. 611.
- Door-holder and stop, Combined. W. M. Valentine. No. 1,081,707; Dec. 16; Gaz. vol. 197; p. 677.
- Door-holding clamp. H. C. Mitchell. No. 1,055,937; Mar. 11; Gaz. vol. 188; p. 467.
- Door-key. A. Schrader. No. 1,082,560; Dec. 30; Gaz. vol. 197; p. 1031.
- Door-lock. A. Arens. No. 1,050,783; Jan. 21; Gaz. vol. 186; p. 566.
- Door-lock. C. N. Morris. No. 1,051,747; Jan. 28; Gaz. vol. 186; p. 928.
- Door-lock. C. Novy. No. 1,055,943; Mar. 11; Gaz. vol. 188; p. 468.
- Door-lock. G. C. Kurzwelly. No. 1,057,349; Mar. 25; Gaz. vol. 188; p. 1013.
- Door-lock. W. J. Dunn. No. 1,058,043; Apr. 8; Gaz. vol. 189; p. 265.
- Door-lock. G. Pederson. No. 1,060,019; Apr. 29; Gaz. vol. 189; p. 1057.
- Door-lock. W. E. Buckhalts. No. 1,060,424; Apr. 29; Gaz. vol. 189; p. 1199.
- Door-lock. W. H. Goeden. No. 1,060,448; Apr. 29; Gaz. vol. 189; p. 1206.
- Door-lock. S. H. Clarke. No. 1,061,449; May 13; Gaz. vol. 190; p. 338.
- Door-lock. J. Kuske. No. 1,066,021; July 1; Gaz. vol. 192; p. 41.
- Door-lock. A. H. Wanz and P. E. Johnson. No. 1,066,770; July 8; Gaz. vol. 192; p. 333.
- Door-lock. W. B. Wykoff. No. 1,070,093; Aug. 12; Gaz. vol. 193; p. 375.
- Door-lock. A. Breithaupt. No. 1,070,580; Aug. 19; Gaz. vol. 193; p. 585.
- Door-lock. L. M. Peterson. No. 1,071,460; Aug. 26; Gaz. vol. 193; p. 910.
- Door-lock. F. Warcup. No. 1,077,021; Oct. 28; Gaz. vol. 195; p. 952.
- Door-lock. P. F. Manning. No. 1,079,138; Nov. 18; Gaz. vol. 196; p. 718.
- Door-lock. G. Kiehl. No. 1,079,860; Nov. 25; Gaz. vol. 196; p. 997.
- Door-lock. C. Knudsen. No. 1,079,987; Dec. 2; Gaz. vol. 197; p. 23.
- Door-lock. J. Grandits. No. 1,081,036; Dec. 9; Gaz. vol. 197; p. 417.
- Door lock and latch, Combined. D. L. Hamilton. No. 1,055,527; Mar. 11; Gaz. vol. 188; p. 329.
- Door-lock, Auxiliary. A. Satzman. No. 1,054,450; Feb. 25; Gaz. vol. 187; p. 1004.
- Door-lock, Emergency. J. B. Berstler. No. 1,058,346; Apr. 8; Gaz. vol. 189; p. 372.
- Door-lock for automobiles, &c. F. C. Miller. No. 1,067,048; July 8; Gaz. vol. 192; p. 425.
- Door-lock, Permutation. W. C. Loy. No. 1,056,036; Mar. 18; Gaz. vol. 188; p. 535.
- Door-lock, Permutation. S. T. Wolf. No. 1,067,957; July 22; Gaz. vol. 192; p. 803.
- Door lock, Reversible store-. G. N. Mason. No. 1,058,613; Apr. 8; Gaz. vol. 189; p. 462.
- Door-lock, Single-bolt. A. L. Capps. No. 1,069,317; Aug. 5; Gaz. vol. 193; p. 79.
- Door lock, Sliding-. J. Davis. No. 1,050,922; Jan. 21; Gaz. vol. 186; p. 617.
- Door-lock, Tubular. W. T. Smith. No. 1,072,668; Sept. 9; Gaz. vol. 194; p. 370.
- Door locking and controlling means, Double-. H. G. Voight. No. 1,070,366; Aug. 12; Gaz. vol. 193; p. 469.
- Door locking and unlocking device, Jail-. G. H. Dyer. No. 1,059,127; Apr. 15; Gaz. vol. 189; p. 679.
- Door-locking device, Emergency-exit-. H. G. Voight. No. 1,069,075; July 29; Gaz. vol. 192; p. 1228.
- Door-locking device, Double-. J. C. Hogan. No. 1,073,488; Sept. 16; Gaz. vol. 194; p. 697.
- Door-locking mechanism. G. E. Merritt. No. 1,077,091; Oct. 28; Gaz. vol. 195; p. 974.
- Door-mat. W. Wirz. No. 1,056,139; Mar. 18; Gaz. vol. 188; p. 570.
- Door-mat. C. Spickerman. No. 1,062,195; May 20; Gaz. vol. 190; p. 633.
- Door-mat. R. W. Reynolds. No. 1,077,302; Nov. 4; Gaz. vol. 196; p. 21.
- Door mat, tread, and the like. G. Cummings. No. 1,074,586; Sept. 30; Gaz. vol. 194; p. 1117.
- Door mechanism for hopper-doors. A. E. Zimmer. No. 1,065,328; June 17; Gaz. vol. 191; p. 800.
- Door, Metallic. J. O. Emrich. No. 1,061,993; May 20; Gaz. vol. 190; p. 562.
- Door, Metallic. C. G. Danielson. No. 1,082,071; Dec. 23; Gaz. vol. 197; p. 831.
- Door, Mine-. N. Jachó. No. 1,052,147; Feb. 4; Gaz. vol. 187; p. 105.
- Door-motors, Electromagnetic control of pneumatic. T. Farmer, Jr. No. 1,075,704; Oct. 14; Gaz. vol. 195; p. 411.
- Door mounting, Sliding-. G. Meldau. No. 1,069,277; Aug. 5; Gaz. vol. 193; p. 67.
- Door-opener. F. Conner. No. 1,073,399; Sept. 16; Gaz. vol. 194; p. 667.
- Door opener, Emergency-. H. G. Outwater. No. 1,071,567; Aug. 26; Gaz. vol. 193; p. 945.
- Door-operating device. W. A. McKenney and S. Beatham. No. 1,060,995; May 6; Gaz. vol. 190; p. 151.
- Door-operating device. A. Gottschalk. No. 1,065,323; June 17; Gaz. vol. 191; p. 798.
- Door-operating device. D. S. Barrows. No. 1,066,572; July 8; Gaz. vol. 192; p. 262.
- Door-operating device. D. S. Barrows. No. 1,066,573; July 8; Gaz. vol. 192; p. 263.
- Door-operating device. T. A. Fabrin. No. 1,075,095; Oct. 7; Gaz. vol. 195; p. 174.
- Door-operating device. D. S. Barrows. No. 1,078,241; Nov. 11; Gaz. vol. 196; p. 374.
- Door-operating device, Dumping-. D. S. Barrows. No. 1,066,571; July 8; Gaz. vol. 192; p. 262.
- Door-operating means. A. Höhne and H. Krake. No. 1,064,648; June 10; Gaz. vol. 191; p. 540.
- Door-operating means. F. O. Hult. No. 1,080,280; Dec. 2; Gaz. vol. 197; p. 127.
- Door-operating mechanism. F. J. Oberer. No. 1,057,165; Mar. 25; Gaz. vol. 188; p. 952.
- Door-operating mechanism. J. P. and W. A. Heimer. No. 1,057,547; Apr. 1; Gaz. vol. 189; p. 51.
- Door-operating mechanism. P. N. Jones. No. 1,061,298; May 13; Gaz. vol. 190; p. 287.
- Door-operating mechanism. H. T. Anderson. No. 1,064,879; June 17; Gaz. vol. 191; p. 652.

Alphabetical list of inventions—Continued.

- Door-operating mechanism. G. W. Bashaw, W. O. Cook, and P. C. Withrow. No. 1,066,574; July 8; Gaz. vol. 192; p. 263.
- Door-operating mechanism. A. G. Elvin. No. 1,073,894; Sept. 23; Gaz. vol. 194; p. 859.
- Door-operating mechanism. D. Morgan. No. 1,076,051; Oct. 21; Gaz. vol. 195; p. 558.
- Door-operating mechanism. W. M. Simmons. No. 1,076,460; Oct. 21; Gaz. vol. 195; p. 700.
- Door-operating mechanism, Automatic. E. A. Bachmann. No. 1,058,286; Apr. 8; Gaz. vol. 189; p. 350.
- Door-operating mechanism, Dumping. J. O. Neikirk. No. 1,081,324; Dec. 16; Gaz. vol. 197; p. 552.
- Door-operating motor. H. C. Randall. No. 1,060,789; May 6; Gaz. vol. 190; p. 76.
- Door-operator. W. Gradick, Sr. No. 1,071,638; Aug. 26; Gaz. vol. 193; p. 969.
- Door operator and lock, Sliding. H. G. Voight. No. 1,070,364; Aug. 12; Gaz. vol. 193; p. 468.
- Door or shutter. H. T. Moody. No. 1,052,610; Feb. 11; Gaz. vol. 187; p. 294.
- Door or shutter. H. T. Moody. No. 1,052,611; Feb. 11; Gaz. vol. 187; p. 295.
- Door or window closure. E. E. Schmitt. No. 1,050,699; Jan. 14; Gaz. vol. 186; p. 503.
- Door or window fastener. C. J. Hagstrom. No. 1,060,251; Apr. 29; Gaz. vol. 189; p. 1136.
- Door or window frame. D. Dowd. No. 1,050,924; Jan. 21; Gaz. vol. 186; p. 618.
- Door, Packing-house. B. Bates. No. 1,061,588; May 13; Gaz. vol. 190; p. 389.
- Door-retainer. L. B. Nielsen. No. 1,064,760; June 17; Gaz. vol. 191; p. 615.
- Door, Revolving. H. W. Dyer. No. 1,053,483; Feb. 18; Gaz. vol. 187; p. 638.
- Door, Revolving. B. Klecak. No. 1,055,474; Mar. 11; Gaz. vol. 188; p. 312.
- Door, Revolving. W. B. Allen. No. 1,066,567; July 8; Gaz. vol. 192; p. 261.
- Door rigging, Automatic drop. C. C. T. Willson. No. 1,080,796; Dec. 9; Gaz. vol. 197; p. 338.
- Door, Rotary hinged. D. Swinford. No. 1,065,406; June 24; Gaz. vol. 191; p. 864.
- Door safety attachment. E. Troetel. No. 1,054,151; Feb. 25; Gaz. vol. 187; p. 901.
- Door, Screen. J. Hockett. No. 1,060,456; Apr. 29; Gaz. vol. 189; p. 1209.
- Door, Screen. M. Bowers. No. 1,078,483; Nov. 11; Gaz. vol. 196; p. 459.
- Door seat and door-lock, Side. W. S. Menden. No. 1,073,809; Sept. 23; Gaz. vol. 194; p. 830.
- Door-securer. H. E. Hall. No. 1,050,360; Jan. 14; Gaz. vol. 186; p. 388.
- Door-securer. J. J. Rogers. No. 1,057,277; Mar. 25; Gaz. vol. 188; p. 990.
- Door-securer. H. Glindkamp. No. 1,064,320; June 10; Gaz. vol. 191; p. 428.
- Door-securer. J. G. Dansey. No. 1,064,449; June 10; Gaz. vol. 191; p. 473.
- Door-securer. H. A. Rose. No. 1,065,396; June 24; Gaz. vol. 191; p. 860.
- Door-securer. G. M. Huston. No. 1,073,238; Sept. 16; Gaz. vol. 194; p. 609.
- Door-securer. H. R. Wiseman. No. 1,074,230; Sept. 30; Gaz. vol. 194; p. 1001.
- Door-securer. F. A. Herman. No. 1,082,121; Dec. 23; Gaz. vol. 197; p. 847.
- Door-securing device. L. Schiff. No. 1,057,504; Apr. 1; Gaz. vol. 189; p. 37.
- Door-securing device. S. E. Greenberg. No. 1,062,965; May 27; Gaz. vol. 190; p. 929.
- Door, Sheet-metal. S. E. Fagerstrom. No. 1,064,201; June 10; Gaz. vol. 191; p. 389.
- Door, Sidewalk. L. W. Mulford. No. 1,051,617; Jan. 28; Gaz. vol. 186; p. 886.
- Door, Silo. M. W. Douthett. No. 1,068,045; July 22; Gaz. vol. 192; p. 834.
- Door, Silo. A. H. Rice. No. 1,068,701; July 29; Gaz. vol. 192; p. 1098.
- Door, Silo. W. W. Coates. No. 1,068,857; July 29; Gaz. vol. 192; p. 1155.
- Door-spring. O. Katzenberger. No. 1,055,755; Mar. 11; Gaz. vol. 188; p. 405.
- Door-spring. W. V. Burdett. No. 1,057,929; Apr. 1; Gaz. vol. 189; p. 182.
- Door spring and check. I. B. Taft. No. 1,073,545; Sept. 16; Gaz. vol. 194; p. 714.
- Door-stay. E. Hanson. No. 1,055,167; Mar. 4; Gaz. vol. 188; p. 172.
- Door-stay. E. W. Smith. No. 1,055,817; Mar. 11; Gaz. vol. 188; p. 427.
- Door-stay. O. C. Rixson. No. 1,082,909; Dec. 30; Gaz. vol. 197; p. 1155.
- Door-stay. J. T. Kent. No. 1,057,434; Apr. 1; Gaz. vol. 189; p. 14.
- Door-stop. A. F. Peppers. No. 1,057,976; Apr. 1; Gaz. vol. 189; p. 198.
- Door-stop. S. M. Greenidge and A. Y. Wright. No. 1,059,865; Apr. 22; Gaz. vol. 189; p. 961.
- Door-stop. A. A. Coffin. No. 1,061,269; May 13; Gaz. vol. 190; p. 277.
- Door-stop. W. Rückert. No. 1,065,728; June 24; Gaz. vol. 191; p. 973.
- Door-stop. W. Smith. No. 1,081,634; Dec. 16; Gaz. vol. 197; p. 653.
- Door-stop and door-holder, Combined. L. C. Norton. No. 1,071,172; Aug. 26; Gaz. vol. 193; p. 815.
- Door stop, Elevator. H. G. Voight. No. 1,069,078; July 29; Gaz. vol. 192; p. 1230.
- Door-stop mechanism. W. K. Henry. No. 1,056,990; Mar. 25; Gaz. vol. 188; p. 891.
- Door-supporting clamp. T. E. Moon. No. 1,054,019; Feb. 25; Gaz. vol. 187; p. 856.
- Door, Track. A. K. Gillespie. No. 1,072,600; Sept. 9; Gaz. vol. 194; p. 346.
- Door tracks, Device for adjusting sliding. C. E. Van Sickle. No. 1,053,935; Feb. 18; Gaz. vol. 187; p. 790.
- Door trap, Screen. L. W. Critzer and H. J. H. Koster. No. 1,081,369; Dec. 16; Gaz. vol. 197; p. 567.
- Door, Vault. J. R. Flood. No. 1,071,723; Sept. 2; Gaz. vol. 194; p. 18.
- Door, Warehouse. W. A. Cross. No. 1,059,981; Apr. 29; Gaz. vol. 189; p. 1045.
- Door, Water-cooled. H. P. Parrock. No. 1,050,229; Jan. 14; Gaz. vol. 186; p. 342.
- Doors and fastening means therefor, Silo. W. Hayward. No. 1,054,292; Feb. 25; Gaz. vol. 187; p. 947.
- Doors, Buffer for. L. A. Bedard. No. 1,071,134; Aug. 26; Gaz. vol. 193; p. 802.
- Doors, Circuit-closing device for. W. H. Fitch. No. 1,077,877; Nov. 4; Gaz. vol. 196; p. 217.
- Doors, Device for supporting and fastening sliding. T. Quinn. No. 1,058,197; Apr. 8; Gaz. vol. 189; p. 320.
- Doors, gates, and the like, Means for opening. D. Marshall. No. 1,076,506; Oct. 21; Gaz. vol. 195; p. 716.
- Doors, Means for automatically unlocking. W. H. Bywater and W. B. Morrison. No. 1,060,317; Apr. 29; Gaz. vol. 189; p. 1160.
- Doors, Pier-shed. H. T. Goss. No. 1,080,524; Dec. 2; Gaz. vol. 197; p. 212.
- Doors, Self-closing compartment. W. P. Wilber. No. 1,071,845; Sept. 2; Gaz. vol. 194; p. 61.
- Doors, Sliding guide for. R. A. Scarborough. No. 1,063,605; June 3; Gaz. vol. 191; p. 150.
- Doors, windows, and the like, Metal frame for. C. J. Hale. No. 1,071,911; Sept. 2; Gaz. vol. 194; p. 84.
- Doors, windows, &c., Fastening device for. A. H. Morton. No. 1,069,716; Aug. 12; Gaz. vol. 193; p. 245.
- Doors, windows, or the like, Fastening device or latch for. G. J. Money. No. 1,059,555; Apr. 22; Gaz. vol. 189; p. 862.
- Double-acting wrench. R. Owen, Jr. No. 1,072,980; Sept. 9; Gaz. vol. 194; p. 483.
- Double lock, Automatic. M. C. Sloderbeck. No. 1,080,787; Dec. 9; Gaz. vol. 197; p. 333.
- Double runner. J. E. Chenette. No. 1,079,164; Nov. 18; Gaz. vol. 196; p. 728.
- Doubletree. A. J. Gray. No. 1,055,269; Mar. 4; Gaz. vol. 188; p. 204.
- Doubletree. J. A. Reid. No. 1,076,317; Oct. 21; Gaz. vol. 195; p. 650.
- Doubletree, Adjustable. C. Petersen. No. 1,079,021; Nov. 18; Gaz. vol. 196; p. 678.
- Doubletree-mounting. G. R. Christ. No. 1,054,825; Mar. 4; Gaz. vol. 188; p. 60.
- Doubletrees, Center bearing for. C. E. Jones. No. 1,067,740; July 15; Gaz. vol. 192; p. 698.
- Doubling and twisting machine, Thread. G. F. Macfarlane. No. 1,056,193; Mar. 18; Gaz. vol. 188; p. 588.
- Doubling and winding machine. J. Pagerie. No. 1,076,516; Oct. 21; Gaz. vol. 195; p. 719.
- Doubling-table. F. W. Henskey. No. 1,058,972; Apr. 15; Gaz. vol. 189; p. 626.
- Douche-cup, Vaginal. M. H. Kutch. No. 1,074,368; Sept. 30; Gaz. vol. 194; p. 1045.
- Dough and other plastic substances, Machine for dividing and molding. A. M. Melvin. No. 1,061,248; May 6; Gaz. vol. 190; p. 235.
- Dough and the like molding machine. P. E. Foucar. No. 1,069,245; Aug. 5; Gaz. vol. 193; p. 57.
- Dough-divider. P. F. Carroll. No. 1,080,890; Dec. 9; Gaz. vol. 197; p. 370.
- Dough in the manufacture of bread, Machine for rounding up lumps of. F. H. Van Houten, Jr. No. 1,067,953; July 22; Gaz. vol. 192; p. 801.
- Dough, Machine for forming and indenting rolls of. H. Siegl and J. Engel. No. 1,071,592; Aug. 26; Gaz. vol. 193; p. 954.
- Dough-mixing machine. C. Stiriz. No. 1,062,202; May 20; Gaz. vol. 190; p. 635.
- Dough-mixing machine. W. J. Meikleham. No. 1,065,382; June 24; Gaz. vol. 191; p. 856.
- Dough-molding machine. G. P. Bailey. No. 1,057,699; Apr. 1; Gaz. vol. 189; p. 103.
- Dough or bake-shop products, Treating. C. Stiriz. No. 1,076,464; Oct. 21; Gaz. vol. 195; p. 701.
- Dough-proofing apparatus. P. F. Carroll. No. 1,064,194; June 10; Gaz. vol. 191; p. 386.
- Dough raiser, Salt-rising. I. B. Golden. No. 1,051,951; Feb. 4; Gaz. vol. 187; p. 36.

Alphabetical list of inventions—Continued.

- Dough-shaping implement. E. Mitschler. No. 1,076,509; Oct. 21; Gaz. vol. 195; p. 717.
- Dovetail-cutter. W. G. Strozler. No. 1,070,635; Aug. 19; Gaz. vol. 193; p. 602.
- Dovetail joint. T. J. Florey. No. 1,067,910; July 22; Gaz. vol. 192; p. 788.
- Dowel. C. E. Evans. No. 1,060,543; Apr. 29; Gaz. vol. 189; p. 1239.
- Dowel. T. Tissler. No. 1,073,182; Sept. 16; Gaz. vol. 194; p. 589.
- Dowel-bolt. E. Thomas. No. 1,059,578; Apr. 22; Gaz. vol. 189; p. 870.
- Dowel cutting-off and pointing machine. C. G. Dauber. No. 1,073,846; Sept. 23; Gaz. vol. 194; p. 841.
- Dowel-cutting tool. G. E. Garon. No. 1,080,209; Dec. 2; Gaz. vol. 197; p. 102.
- Dowel gluing and driving machine. E. G. Bell and C. G. Dauber. No. 1,074,158; Sept. 30; Gaz. vol. 194; p. 976.
- Dowel-pin. H. Hanstein. No. 1,082,120; Dec. 23; Gaz. vol. 197; p. 847.
- Draft and buffing apparatus. H. F. Pope. No. 1,057,168; Mar. 25; Gaz. vol. 188; p. 953.
- Draft and combustion regulating device, Automatically-working hydraulic. E. J. L. Broux. No. 1,055,868; Mar. 11; Gaz. vol. 188; p. 444.
- Draft and damper regulator, Time-controlled. B. Ferguson. No. 1,062,699; May 27; Gaz. vol. 190; p. 841.
- Draft apparatus. E. M. Erdmann. No. 1,050,439; Jan. 14; Gaz. vol. 186; p. 416.
- Draft apparatus, Check for. O. F. Battey. No. 1,067,456; July 15; Gaz. vol. 192; p. 601.
- Draft appliance. J. Wagner. No. 1,052,107; Feb. 4; Gaz. vol. 187; p. 92.
- Draft appliance. F. M. Whitaker. No. 1,067,701; July 15; Gaz. vol. 192; p. 685.
- Draft appliance. J. A. Buchanan. No. 1,073,327; Sept. 16; Gaz. vol. 194; p. 641.
- Draft appliance. H. P. Petersen. No. 1,073,516; Sept. 16; Gaz. vol. 194; p. 705.
- Draft appliance. J. A. Buchanan. No. 1,077,797; Nov. 4; Gaz. vol. 196; p. 191.
- Draft appliance. A. Krivonyak. No. 1,078,735; Nov. 18; Gaz. vol. 196; p. 578.
- Draft attachment. B. Dahl. No. 1,082,010; Dec. 23; Gaz. vol. 197; p. 810.
- Draft attachment, Binder. H. J. Drager. No. 1,052,467; Feb. 11; Gaz. vol. 187; p. 246.
- Draft-controller, Automatic. A. W. Arnold. No. 1,067,777; July 15; Gaz. vol. 192; p. 710.
- Draft device. J. R. and G. Mitchell. No. 1,056,349; Mar. 18; Gaz. vol. 188; p. 639.
- Draft-door and grate-bar cover, Combined. L. Scruggs. No. 1,062,739; May 27; Gaz. vol. 190; p. 853.
- Draft-equalizer. W. J. Thomson. No. 1,051,528; Jan. 28; Gaz. vol. 186; p. 856.
- Draft-equalizer. E. E. Lipperd. No. 1,051,740; Jan. 28; Gaz. vol. 186; p. 926.
- Draft-equalizer. W. B. Homer. No. 1,056,678; Mar. 18; Gaz. vol. 188; p. 754.
- Draft-equalizer. J. H. Joneson. No. 1,056,743; Mar. 18; Gaz. vol. 188; p. 778.
- Draft-equalizer. N. W. Finch. No. 1,061,365; May 13; Gaz. vol. 190; p. 310.
- Draft-equalizer. T. J. Dudley. No. 1,071,898; Sept. 2; Gaz. vol. 194; p. 79.
- Draft-equalizer. V. J. Tichota. No. 1,076,331; Oct. 21; Gaz. vol. 195; p. 654.
- Draft-equalizer. E. R. Spellman. No. 1,078,386; Nov. 11; Gaz. vol. 196; p. 428.
- Draft-equalizer. J. A. Schwarzfischer. No. 1,079,887; Nov. 25; Gaz. vol. 196; p. 1007.
- Draft-gear. C. J. Nash. No. 1,050,486; Jan. 14; Gaz. vol. 186; p. 434.
- Draft-gear. H. F. Pope. No. 1,062,252; May 20; Gaz. vol. 190; p. 652.
- Draft-gear. J. M. Rohlfing. No. 1,066,530; July 8; Gaz. vol. 192; p. 247.
- Draft-gear. J. D. Ingram. No. 1,066,618; July 8; Gaz. vol. 192; p. 279.
- Draft-gear. C. J. Nash. No. 1,067,834; July 22; Gaz. vol. 192; p. 763.
- Draft-gear. J. R. Cardwell. No. 1,069,526; Aug. 5; Gaz. vol. 193; p. 152.
- Draft-gear. J. F. Courson. No. 1,070,229; Aug. 12; Gaz. vol. 193; p. 422.
- Draft-gear. J. R. Cardwell. No. 1,070,774; Aug. 19; Gaz. vol. 193; p. 650.
- Draft-gear. J. F. Courson. No. 1,071,399; Aug. 26; Gaz. vol. 193; p. 891.
- Draft-gear. J. F. Courson. No. 1,076,749; Oct. 28; Gaz. vol. 195; p. 856.
- Draft-gear. J. J. Kanane. No. 1,080,979; Dec. 9; Gaz. vol. 197; p. 400.
- Draft-gear and buffing mechanism. H. F. Pope. No. 1,057,167; Mar. 25; Gaz. vol. 188; p. 953.
- Draft-gear, Friction. J. F. Courson. No. 1,067,587; July 15; Gaz. vol. 192; p. 645.
- Draft-gear, Manufacturing malleable-iron friction cylinders or shells for. J. F. O'Connor. No. 1,059,484; Apr. 22; Gaz. vol. 189; p. 839.
- Draft gear, Radial. C. J. Schultz. No. 1,055,667; Mar. 11; Gaz. vol. 188; p. 375.
- Draft gear, Radial. E. H. Schmidt. No. 1,072,041; Sept. 2; Gaz. vol. 194; p. 127.
- Draft, Mechanical device for creating forced. J. Prat. No. 1,058,385; Apr. 8; Gaz. vol. 189; p. 386.
- Draft-regulator. J. Milton. No. 1,072,023; Sept. 2; Gaz. vol. 194; p. 121.
- Draft-regulator, Automatic. J. W. Mickleson. No. 1,073,810; Sept. 23; Gaz. vol. 194; p. 830.
- Draft-rigging. L. Dethier. No. 1,060,436; Apr. 29; Gaz. vol. 189; p. 1203.
- Draft-rigging. G. C. Murray. No. 1,061,315; May 13; Gaz. vol. 190; p. 293.
- Draft-rigging. J. J. Byers. No. 1,069,385; Aug. 5; Gaz. vol. 193; p. 105.
- Draft-rigging. G. B. Morsberger. No. 1,072,146; Sept. 2; Gaz. vol. 194; p. 164.
- Draft-rigging. G. H. Gilman and H. M. Robertson. No. 1,073,578; Sept. 16; Gaz. vol. 194; p. 727.
- Draft-rigging. J. M. Waugh. No. 1,075,741; Oct. 14; Gaz. vol. 195; p. 424.
- Draft-rigging. M. A. O'Connor. No. 1,079,060; Nov. 18; Gaz. vol. 196; p. 692.
- Draft-rigging and support therefor. W. P. Bettendorf. No. 1,072,300; Sept. 2; Gaz. vol. 194; p. 213.
- Draft-rigging, Friction. W. A. Berger. No. 1,057,521; Apr. 1; Gaz. vol. 189; p. 43.
- Draft-rigging, Friction. J. F. O'Connor. No. 1,060,113; Apr. 29; Gaz. vol. 189; p. 1087.
- Draft-rigging, Friction. J. F. O'Connor. No. 1,060,114; Apr. 29; Gaz. vol. 189; p. 1087.
- Draft-rigging, Friction. J. F. O'Connor. No. 1,067,837; July 22; Gaz. vol. 192; p. 703.
- Draft-rigging, Friction. C. J. Nash. No. 1,078,946; Nov. 18; Gaz. vol. 196; p. 649.
- Draft-rigging, Friction. J. F. O'Connor. No. 1,080,922; Dec. 9; Gaz. vol. 197; p. 332.
- Draft-rigging, Tandem-spring. J. R. Mitchell. No. 1,056,200; Mar. 18; Gaz. vol. 188; p. 590.
- Draft-sill. G. H. Gilman. No. 1,070,029; Aug. 12; Gaz. vol. 193; p. 353.
- Drafting and scaling instrument. C. H. Schenk. No. 1,057,583; Apr. 1; Gaz. vol. 189; p. 63.
- Drafting appliance. J. D. C. Young. No. 1,064,878; June 17; Gaz. vol. 191; p. 651.
- Drafting-board. W. P. Welbanks. No. 1,055,374; Mar. 11; Gaz. vol. 188; p. 279.
- Drafting instrument. H. A. Webster. No. 1,072,539; Sept. 9; Gaz. vol. 194; p. 325.
- Drafting instrument. J. H. Ewbank. No. 1,074,851; Oct. 7; Gaz. vol. 195; p. 89.
- Drafting instrument. C. H. Little. No. 1,081,758; Dec. 16; Gaz. vol. 197; p. 695.
- Drafting irregular curves, Instrument for. A. Gasparich. No. 1,054,109; Feb. 25; Gaz. vol. 187; p. 886.
- Drafting-table. C. W. Purkey. No. 1,077,998; Nov. 11; Gaz. vol. 196; p. 291.
- Drafting-tool. C. H. Robins. (Reissue.) No. 13,541; Mar. 4; Gaz. vol. 188; p. 219.
- Draftsman's table or stand. M. W. Davidson. No. 1,055,884; Mar. 11; Gaz. vol. 188; p. 449.
- Drag. I. J. Ward. No. 1,061,709; May 13; Gaz. vol. 190; p. 431.
- Drag and grader. T. F. Stober. No. 1,063,474; June 3; Gaz. vol. 191; p. 102.
- Drag, Oscillatory-grating. J. W. Sackett. No. 1,068,934; July 29; Gaz. vol. 192; p. 1182.
- Drag, Reciprocating scoop. J. W. Sackett. No. 1,068,933; July 29; Gaz. vol. 192; p. 1182.
- Drag, Road. W. C. Maggard. No. 1,049,744; Jan. 7; Gaz. vol. 186; p. 145.
- Drag, Road. W. C. Wharton. No. 1,054,065; Feb. 25; Gaz. vol. 187; p. 871.
- Drag, Road. J. H. Cherry and L. R. Melendy. No. 1,073,664; Sept. 23; Gaz. vol. 194; p. 780.
- Drag, Road. C. E. Bolt. No. 1,080,252; Dec. 2; Gaz. vol. 197; p. 117.
- Drag, Smoothing. M. Davison. No. 1,061,990; May 20; Gaz. vol. 190; p. 562.
- Drain. W. M. Powers. No. 1,051,757; Jan. 28; Gaz. vol. 186; p. 931.
- Drain-head. J. F. McParland. No. 1,071,253; Aug. 26; Gaz. vol. 193; p. 842.
- Drain-head. J. M. Petersen. No. 1,079,262; Nov. 18; Gaz. vol. 196; p. 758.
- Drain, Land. E. W. Appelman. (Reissue.) No. 15,595; July 15; Gaz. vol. 192; p. 716.
- Drain, Land. W. W. Bonson. No. 1,070,227; Aug. 12; Gaz. vol. 193; p. 422.
- Drain-pipe, Sheet-metal. W. N. Klotz. No. 1,075,153; Oct. 7; Gaz. vol. 195; p. 194.
- Drain-pipes, Clean-cut fitting for. H. J. Morris. No. 1,083,024; Dec. 30; Gaz. vol. 197; p. 1192.
- Drain-plug-operating mechanism. C. B. Foster. No. 1,071,515; Aug. 26; Gaz. vol. 193; p. 928.
- Drain-trap. S. G. Brown. No. 1,082,730; Dec. 30; Gaz. vol. 197; p. 1091.
- Drain trap, Floor. J. J. Donovan. No. 1,079,593; Nov. 25; Gaz. vol. 196; p. 905.

Alphabetical list of inventions—Continued.

- Drainage and vent fitting. Double. C. S. C. Rock. No. 1,059,907; Apr. 22; Gaz. vol. 189; p. 975.
- Drainage-casing. A. Smith. No. 1,062,303; May 20; Gaz. vol. 190; p. 670.
- Drainage culverts, conduits, screens, &c., Sheet-metal casing for. A. Smith. No. 1,057,098; Mar. 25; Gaz. vol. 188; p. 930.
- Drainage-fitting. R. H. Mitchell. No. 1,054,438; Feb. 25; Gaz. vol. 187; p. 1000.
- Drainage-fitting. E. H. Gold. No. 1,061,064; May 6; Gaz. vol. 190; p. 175.
- Drainage, irrigation, and aeration device. W. D. Douglas. No. 1,052,226; Feb. 4; Gaz. vol. 187; p. 132.
- Drainage system. A. E. Beall. No. 1,060,737; May 6; Gaz. vol. 190; p. 60.
- Drainer, Dish-. E. G. Hines. No. 1,074,173; Sept. 30; Gaz. vol. 194; p. 981.
- Drainer for wounds. C. H. Bulson. No. 1,071,028; Aug. 26; Gaz. vol. 193; p. 765.
- Draining apparatus. H. C. Klock. No. 1,069,147; Aug. 5; Gaz. vol. 193; p. 19.
- Draining device, Automatic. E. Winarsky. No. 1,074,591; Sept. 30; Gaz. vol. 194; p. 1119.
- Drapery. L. F. Gruber. No. 1,070,455; Aug. 19; Gaz. vol. 193; p. 541.
- Draping-machine. S. S. Sencenbaugh. No. 1,058,391; Apr. 8; Gaz. vol. 189; p. 388.
- Draw-bar and draft-yoke connection. G. A. Johnson. No. 1,052,589; Feb. 11; Gaz. vol. 187; p. 286.
- Draw-bar attachment. F. E. Goodhue. No. 1,068,334; July 22; Gaz. vol. 192; p. 935.
- Draw-bar buffing-gear. J. Hook. No. 1,080,279; Dec. 2; Gaz. vol. 197; p. 126.
- Draw-bar carrier. C. S. Shallenberger. No. 1,072,659; Sept. 9; Gaz. vol. 194; p. 367.
- Draw-bar carry-iron. G. W. Rink. No. 1,070,356; Aug. 12; Gaz. vol. 193; p. 465.
- Draw-bar carry-iron. J. M. Rohlfing. No. 1,074,745; Oct. 7; Gaz. vol. 195; p. 55.
- Draw-bar, Emergency. D. J. Phalen. No. 1,075,437; Oct. 14; Gaz. vol. 195; p. 320.
- Draw-bar equipment. W. H. Cowell. No. 1,061,049; May 6; Gaz. vol. 190; p. 171.
- Draw-bar-slack-adjusting safety appliance. G. Sells. No. 1,062,123; May 20; Gaz. vol. 190; p. 608.
- Draw-bench. W. Haddow. No. 1,057,730; Apr. 1; Gaz. vol. 189; p. 114.
- Draw-clasp. C. E. Sackett. No. 1,064,013; June 10; Gaz. vol. 191; p. 323.
- Draw-gear and buffing apparatus. J. J. Jones. No. 1,072,470; Sept. 9; Gaz. vol. 194; p. 301.
- Draw-gear and buffing apparatus. J. H. McCormick. No. 1,076,686; Oct. 28; Gaz. vol. 195; p. 833.
- Draw-head and car-buffer, Combined. W. E. Moore. No. 1,053,201; Feb. 18; Gaz. vol. 187; p. 540.
- Drawbridge. B. Leslie. No. 1,078,293; Nov. 11; Gaz. vol. 196; p. 393.
- Drawer, Cash-. W. L. Deming. No. 1,051,200; Jan. 21; Gaz. vol. 186; p. 711.
- Drawer, Cash-. F. C. Nickol and M. C. Stern. No. 1,066,518; July 8; Gaz. vol. 192; p. 243.
- Drawer-guide. J. D. Fryer. No. 1,061,465; May 13; Gaz. vol. 190; p. 345.
- Drawer-lock. J. V. Swanson. No. 1,063,844; June 3; Gaz. vol. 191; p. 232.
- Drawer-locking mechanism, Superposed-. P. S. Millice. No. 1,073,274; Sept. 16; Gaz. vol. 194; p. 622.
- Drawer or bin. C. F. Kade. No. 1,052,484; Feb. 11; Gaz. vol. 187; p. 252.
- Drawer-slide. B. A. Little. No. 1,071,006; Aug. 19; Gaz. vol. 193; p. 724.
- Drawer-slide, Extension. W. T. Callaghan. No. 1,067,404; July 15; Gaz. vol. 192; p. 584.
- Drawers for women. C. H. Lewy. No. 1,063,362; June 3; Gaz. vol. 191; p. 65.
- Drawing apparatus. F. W. Boland and A. D. Alexander. No. 1,050,605; Jan. 14; Gaz. vol. 186; p. 474.
- Drawing apparatus, Pattern-. H. P. Macdonald. No. 1,065,541; June 24; Gaz. vol. 191; p. 911.
- Drawing-board. E. J. Early. No. 1,080,269; Dec. 2; Gaz. vol. 197; p. 123.
- Drawing-frame. E. H. Rooney. No. 1,053,224; Feb. 18; Gaz. vol. 187; p. 547.
- Drawing-in mechanism. P. R. Gley. No. 1,067,602; July 15; Gaz. vol. 192; p. 650.
- Drawing instrument, book-mark, and paper-cutter, Combined. H. Johnson. No. 1,078,145; Nov. 11; Gaz. vol. 196; p. 341.
- Drawing-knife gage attachment. W. H. Cleveland, Jr. No. 1,080,419; Dec. 2; Gaz. vol. 197; p. 177.
- Drawing patterns, Mechanism for. E. H. Mumford. No. 1,075,117; Oct. 7; Gaz. vol. 195; p. 181.
- Drawing-pin. E. M. Wutzler. No. 1,052,196; Feb. 4; Gaz. vol. 187; p. 123.
- Drawing-pin. E. M. Wutzler. No. 1,059,256; Apr. 15; Gaz. vol. 189; p. 723.
- Drawing-roll. E. Kempshall. No. 1,073,993; Sept. 23; Gaz. vol. 194; p. 893.
- Drawing-roll. E. Kempshall. No. 1,073,994; Sept. 23; Gaz. vol. 194; p. 893.
- Drawing, roving, and spinning frames, Clearer-roll for. M. Gould and N. C. Clouette. No. 1,077,528; Nov. 4; Gaz. vol. 196; p. 102.
- Drawing utensils, Scale for. H. W. Engel. No. 1,061,994; May 20; Gaz. vol. 190; p. 563.
- Dredge. J. M. and V. E. Thorp. No. 1,055,371; Mar. 11; Gaz. vol. 188; p. 278.
- Dredge. W. S. and E. F. Curtis. No. 1,056,633; Mar. 18; Gaz. vol. 188; p. 739.
- Dredge and excavator. M. P. Schetzel. No. 1,070,991; Aug. 19; Gaz. vol. 193; p. 718.
- Dredge, Dipper-. A. W. Robinson. No. 1,057,501; Apr. 1; Gaz. vol. 189; p. 36.
- Dredge-hopper. J. Reid. No. 1,063,284; June 3; Gaz. vol. 191; p. 39.
- Dredge, Hydraulic. T. Jardine. No. 1,052,148; Feb. 4; Gaz. vol. 187; p. 105.
- Dredge, Hydraulic. A. W. Robinson. No. 1,052,176; Feb. 4; Gaz. vol. 187; p. 116.
- Dredge, Shore-. F. W. Johnson. No. 1,058,064; Apr. 8; Gaz. vol. 189; p. 272.
- Dredges, Discharge-pipe for hydraulic. A. W. Robinson. No. 1,055,417; Mar. 11; Gaz. vol. 188; p. 293.
- Dredger. J. Reid and H. A. Mavor. No. 1,062,926; May 27; Gaz. vol. 190; p. 916.
- Dredger, Vacuum-. L. B. Gray. No. 1,078,542; Nov. 11; Gaz. vol. 196; p. 479.
- Dredging device, (coupling.) E. F. Berry. No. 1,076,738; Oct. 28; Gaz. vol. 195; p. 851.
- Dredging device, (pontoon.) E. F. Berry. No. 1,065,658; June 24; Gaz. vol. 191; p. 951.
- Dress. E. and A. Mendels. No. 1,068,688; July 29; Gaz. vol. 192; p. 1094.
- Dress. J. A. Herman. No. 1,079,552; Nov. 25; Gaz. vol. 196; p. 889.
- Dress, Child's. C. Keller. No. 1,070,694; Aug. 19; Gaz. vol. 193; p. 629.
- Dress-fastener. M. Chaiken. No. 1,057,527; Apr. 1; Gaz. vol. 189; p. 44.
- Dress-form. F. J. Madell. No. 1,080,571; Dec. 9; Gaz. vol. 197; p. 259.
- Dress-hook. M. R. Stoddard. No. 1,069,352; Aug. 5; Gaz. vol. 193; p. 92.
- Dress-pad. C. H. Scott. No. 1,071,808; Sept. 2; Gaz. vol. 194; p. 49.
- Dress-shield. D. Basch. No. 1,052,445; Feb. 4; Gaz. vol. 187; p. 205.
- Dress-shield. N. H. Crocker. No. 1,054,342; Feb. 25; Gaz. vol. 187; p. 967.
- Dress-shield. L. L. Just. No. 1,078,443; Nov. 11; Gaz. vol. 196; p. 447.
- Dress-shield. F. A. Bush. No. 1,081,016; Dec. 9; Gaz. vol. 197; p. 411.
- Dress-shield. H. P. Rindskopf. No. 1,083,140; Dec. 30; Gaz. vol. 197; p. 1229.
- Dress-shield, Pocket. M. Barrow. No. 1,059,811; Apr. 22; Gaz. vol. 189; p. 946.
- Dress-suit case and like receptacle. F. Waldschmitt, Jr. No. 1,068,189; July 22; Gaz. vol. 192; p. 882.
- Dressing-case. H. V. A. Loring. No. 1,074,634; Oct. 7; Gaz. vol. 195; p. 16.
- Dressing device for armless people. Q. D. Corley. No. 1,054,279; Feb. 25; Gaz. vol. 187; p. 944.
- Drier. See Centrifugal drier; Clothes-drier; Corn-drier; Fabric-drier; Fabric-loop drier; Fruit-drier; Grain-drier; Hair-drier; Laundry-drier; Lumber-drier; Photographic-plate drier; Photographic-print drier; Rotary drier; sand-drier; Shoe-drier; Soap-drier; Stencil-drier; Stocking-drier.
- Drier. C. E. Geiger. No. 1,052,660; Feb. 11; Gaz. vol. 187; p. 311.
- Drier. W. E. Prindle. No. 1,056,121; Mar. 18; Gaz. vol. 188; p. 564.
- Drier. A. Hoffmann. No. 1,061,941; May 13; Gaz. vol. 190; p. 505.
- Drier. M. H. Bouch. No. 1,064,436; June 10; Gaz. vol. 191; p. 469.
- Drier. W. H. Matthew. No. 1,073,151; Sept. 16; Gaz. vol. 194; p. 577.
- Drier. C. Barnard. No. 1,073,729; Sept. 23; Gaz. vol. 194; p. 804.
- Drier. E. B. Ayres. No. 1,074,034; Sept. 23; Gaz. vol. 194; p. 905.
- Drier. O. S. Sleeper. No. 1,081,338; Dec. 16; Gaz. vol. 197; p. 556.
- Drier-kiln. F. W. Ballard. No. 1,074,485; Sept. 30; Gaz. vol. 194; p. 1084.
- Dry-cell battery. A. Rordame. No. 1,080,234; Dec. 2; Gaz. vol. 197; p. 110.
- Dry-cell-packing machine. A. P. Tucker. No. 1,055,839; Mar. 11; Gaz. vol. 188; p. 435.
- Dry closet. M. E. Sherland. No. 1,066,667; July 8; Gaz. vol. 192; p. 296.
- Dry closet. G. A. N. Coppedge. No. 1,067,097; July 8; Gaz. vol. 192; p. 441.
- Dry closet. W. Schierding. No. 1,080,930; Dec. 9; Gaz. vol. 197; p. 384.
- Dry closet, Odorless sanitary. K. Cowan. No. 1,065,662; June 24; Gaz. vol. 191; p. 952.

Alphabetical list of inventions—Continued.

- Dry closet, Sanitary. G. and L. Posson. No. 1,050,290; Jan. 14; Gaz. vol. 186; p. 363.
- Dry-kiln. E. A. Rummeler. No. 1,055,359; Mar. 11; Gaz. vol. 188; p. 274.
- Dry-kiln. H. Hunter. No. 1,067,921; July 22; Gaz. vol. 192; p. 792.
- Drying and heating apparatus. C. A. Mullen. No. 1,074,519; Sept. 30; Gaz. vol. 194; p. 1093.
- Drying and treating fabrics and other materials. W. M. Grosvenor. No. 1,076,976; Oct. 28; Gaz. vol. 195; p. 936.
- Drying apparatus. C. Wille. No. 1,051,359; Jan. 21; Gaz. vol. 186; p. 764.
- Drying apparatus. W. Lierfeld. No. 1,057,247; Mar. 25; Gaz. vol. 188; p. 980.
- Drying apparatus. J. B. Adt. No. 1,057,912; Apr. 1; Gaz. vol. 189; p. 177.
- Drying apparatus. J. Pizzica. No. 1,070,173; Aug. 12; Gaz. vol. 193; p. 403.
- Drying apparatus. F. F. W. Stieler. No. 1,079,673; Nov. 25; Gaz. vol. 196; p. 930.
- Drying apparatus, Cellular. A. Büttner. No. 1,078,125; Nov. 11; Gaz. vol. 196; p. 335.
- Drying-apparatus feed mechanism. F. Kukuck. No. 1,081,238; Dec. 9; Gaz. vol. 197; p. 483.
- Drying apparatus for alimentary pastes. G. Falchi. No. 1,050,117; Jan. 14; Gaz. vol. 186; p. 305.
- Drying apparatus, Substance-. W. Lierfeld. No. 1,061,762; May 13; Gaz. vol. 190; p. 447.
- Drying apparatus, Vacuum. O. S. Sleeper. No. 1,073,872; Sept. 23; Gaz. vol. 194; p. 850.
- Drying-cylinder. T. Holtz. No. 1,059,937; Apr. 22; Gaz. vol. 189; p. 985.
- Drying damp materials. E. R. Besemfelder. No. 1,059,820; Apr. 22; Gaz. vol. 189; p. 948.
- Drying-kiln. E. A. Hallam. No. 1,067,110; July 8; Gaz. vol. 192; p. 446.
- Drying-kilns, Automatic damper-controlled outlet or flue for. H. E. Wofford. No. 1,064,951; June 17; Gaz. vol. 191; p. 675.
- Drying-machine. G. A. Cutter. No. 1,052,896; Feb. 11; Gaz. vol. 187; p. 391.
- Drying-machine. H. Löfquist. No. 1,054,853; Mar. 4; Gaz. vol. 188; p. 70.
- Drying-machine. L. J. Black. No. 1,055,125; Mar. 4; Gaz. vol. 188; p. 159.
- Drying-machine. J. H. Lorimer. No. 1,069,342; Aug. 5; Gaz. vol. 193; p. 89.
- Drying-machine. A. B. Benson. No. 1,075,809; Oct. 14; Gaz. vol. 195; p. 447.
- Drying-machine. A. K. Miller. No. 1,080,517; Dec. 2; Gaz. vol. 197; p. 209.
- Drying machine, Hosiery-. W. M. Schwartz and H. Coulston. No. 1,062,510; May 20; Gaz. vol. 190; p. 737.
- Drying-machines, Automatic air-current reverser for. T. Allsop and W. W. Sibson. No. 1,049,969; Jan. 7; Gaz. vol. 186; p. 219.
- Drying plant. A. O. Dupuy. No. 1,067,411; July 15; Gaz. vol. 192; p. 587.
- Drying plant. G. Falchi. No. 1,079,547; Nov. 25; Gaz. vol. 196; p. 887.
- Drying process. G. H. May and W. M. Grosvenor. No. 1,075,586; Oct. 14; Gaz. vol. 195; p. 371.
- Drying-rack. H. A. Thomas. No. 1,080,086; Dec. 2; Gaz. vol. 197; p. 59.
- Drying-room. J. W. McAfee. No. 1,071,449; Aug. 26; Gaz. vol. 193; p. 907.
- Drying system. C. R. Walker. No. 1,074,302; Sept. 30; Gaz. vol. 194; p. 1024.
- Drying-tumbler. R. Roost. No. 1,075,382; Oct. 14; Gaz. vol. 195; p. 302.
- Drill. *See* Air-drill; Bench-drill; Chain drill; Coal-drill; Concrete-drill; Countersinking-drill; Disk drill; Grain-drill; Hammer-drill; Hand-drill; Miner's drill; Multiple drill; Pea-drill; Pile-drill; Pipe-drill; Power-drill; Pressure-driven drill; Radial drill; Rail-drill; Ratchet-drill; Rock-drill; Rotary drill; Seed-drill; Seeding-drill; Self-cleaning drill; Stoping-drill; Well-drill; Well-boring drill.
- Drill. R. P. O'Brien. No. 1,057,013; Apr. 1; Gaz. vol. 189; p. 211.
- Drill. J. MacConnell. No. 1,062,342; May 20; Gaz. vol. 190; p. 682.
- Drill. C. Lord. No. 1,062,486; May 20; Gaz. vol. 190; p. 729.
- Drill. W. C. Clinton. No. 1,065,778; June 24; Gaz. vol. 191; p. 991.
- Drill. C. M. Tilson. No. 1,068,374; July 22; Gaz. vol. 192; p. 947.
- Drill. E. C. Long. No. 1,069,622; Aug. 5; Gaz. vol. 193; p. 184.
- Drill. W. R. Down. No. 1,069,930; Aug. 12; Gaz. vol. 193; p. 320.
- Drill. C. H. Pelton. No. 1,072,869; Sept. 9; Gaz. vol. 194; p. 441.
- Drill. R. L. Barnum. No. 1,076,093; Oct. 21; Gaz. vol. 195; p. 573.
- Drill. F. R. Weathersby. No. 1,077,772; Nov. 4; Gaz. vol. 196; p. 183.
- Drill. M. Sidon. No. 1,079,906; Nov. 25; Gaz. vol. 196; p. 1014.
- Drill. C. L. Anton. No. 1,082,617; Dec. 30; Gaz. vol. 197; p. 1052.
- Drill and thread-cutter, Combined. H. Mackey. No. 1,050,152; Jan. 14; Gaz. vol. 186; p. 317.
- Drill-bit lifter. M. McCarthy. No. 1,077,089; Oct. 28; Gaz. vol. 195; p. 974.
- Drill-bit, Rock-cutting. W. E. Carr. No. 1,081,721; Dec. 16; Gaz. vol. 197; p. 681.
- Drill-bit, Rotary. W. Kammerer. No. 1,063,450; June 3; Gaz. vol. 191; p. 94.
- Drill-bits, Renewing worn. C. H. Locher. No. 1,051,900; Feb. 4; Gaz. vol. 187; p. 18.
- Drill-boot. F. L. Glenn. No. 1,074,857; Oct. 7; Gaz. vol. 195; p. 91.
- Drill-bracket. J. E. Royce. No. 1,068,170; July 22; Gaz. vol. 192; p. 876.
- Drill-cable clamp. R. F. Clayton. No. 1,061,221; May 6; Gaz. vol. 190; p. 225.
- Drill-cylinders, Front head for. G. S. Power. No. 1,065,392; June 24; Gaz. vol. 191; p. 859.
- Drill-extractor. W. L. Hatzel and T. Stoetzel. No. 1,055,169; Mar. 4; Gaz. vol. 188; p. 173.
- Drill-eye, Spring. H. Haugnes. No. 1,054,841; Mar. 4; Gaz. vol. 188; p. 65.
- Drill-head, Multiple-spindle. A. H. Reber. No. 1,079,023; Nov. 18; Gaz. vol. 196; p. 679.
- Drill holder, Multiple-. G. P. Taylor. No. 1,074,025; Sept. 23; Gaz. vol. 194; p. 903.
- Drill-jar. G. F. Bell. No. 1,068,844; July 29; Gaz. vol. 192; p. 1151.
- Drill machine, Multiple-. J. McLellan. No. 1,075,588; Oct. 14; Gaz. vol. 195; p. 372.
- Drill-making-machine die. J. G. Leyner. No. 1,078,295; Nov. 11; Gaz. vol. 196; p. 395.
- Drill-pipe with lock-joint. A. C. Zierath. No. 1,054,812; Mar. 4; Gaz. vol. 188; p. 56.
- Drill-press attachment. A. E. Anderson. No. 1,060,574; May 6; Gaz. vol. 190; p. 4.
- Drill-press attachment. H. C. Wright. No. 1,065,574; June 24; Gaz. vol. 191; p. 922.
- Drill-press feed mechanism. A. P. Weigel. No. 1,071,539; Aug. 26; Gaz. vol. 193; p. 936.
- Drill-presses, Compound table for. L. H. Colburn. No. 1,068,324; July 22; Gaz. vol. 192; p. 931.
- Drill-presses, &c., Detachable turret for. J. Brozek. No. 1,079,973; Dec. 2; Gaz. vol. 197; p. 18.
- Drill-removing device, Stuck-. F. Paul and C. C. Mitchell. No. 1,055,790; Mar. 11; Gaz. vol. 188; p. 418.
- Drill-rig. L. W. Appleman. No. 1,078,481; Nov. 11; Gaz. vol. 196; p. 459.
- Drill-rod. G. W. McAllister. No. 1,059,626; Apr. 22; Gaz. vol. 189; p. 885.
- Drill-rod connection. J. D. Boughner. No. 1,075,896; Oct. 14; Gaz. vol. 195; p. 476.
- Drill-rod coupling. G. W. McAllister. No. 1,053,622; Feb. 18; Gaz. vol. 187; p. 685.
- Drill-rope coupling. W. W. Parmeter. No. 1,056,295; Mar. 18; Gaz. vol. 188; p. 623.
- Drill-rotating mechanism. D. S. Waugh. No. 1,081,351; Dec. 16; Gaz. vol. 197; p. 561.
- Drill safety attachment, High-speed-. L. J. Campbell. No. 1,058,149; Apr. 8; Gaz. vol. 189; p. 303.
- Drill-shank and driving member. C. F. Collins. No. 1,053,709; Feb. 18; Gaz. vol. 187; p. 717.
- Drill-share. J. Kuhnert. No. 1,080,012; Dec. 2; Gaz. vol. 197; p. 32.
- Drill-shoe. S. J. and G. B. Hanson. No. 1,070,031; Aug. 12; Gaz. vol. 193; p. 354.
- Drill-socket. J. E. Morrow. No. 1,054,439; Feb. 25; Gaz. vol. 187; p. 1000.
- Drill-socket, Beveled. A. J. Boone. No. 1,052,309; Feb. 4; Gaz. vol. 187; p. 158.
- Drill-spindle feed. R. Milne. No. 1,063,572; June 3; Gaz. vol. 191; p. 136.
- Drill-steels, Fluid-feeding attachment for hollow. W. Prellwitz. No. 1,069,288; Aug. 5; Gaz. vol. 193; p. 70.
- Drill-support. B. H. Teague. No. 1,052,767; Feb. 11; Gaz. vol. 187; p. 346.
- Drill-supporting mechanism. W. R. Collins. No. 1,061,451; May 13; Gaz. vol. 190; p. 339.
- Drills, Adjustable arm for multiple-spindle. E. W. Cleveland. No. 1,082,009; Dec. 23; Gaz. vol. 197; p. 810.
- Drills, Automatic feed for percussive. C. C. Hansen. No. 1,074,320; Sept. 30; Gaz. vol. 194; p. 1030.
- Drills, Dust-collector for. E. J. Mayer and O. L. Walton. No. 1,057,568; Apr. 1; Gaz. vol. 189; p. 59.
- Drills, Front head for. E. F. Winkelmeyer. No. 1,061,795; May 13; Gaz. vol. 190; p. 457.
- Drills, Pneumatic feeding device for stoping-. J. G. Leyner. No. 1,065,059; June 17; Gaz. vol. 191; p. 710.
- Drilling and kindred machine. J. T. Morrissey. No. 1,071,776; Sept. 2; Gaz. vol. 194; p. 37.
- Drilling and tapping device. C. H. J. Dilg. No. 1,071,216; Aug. 26; Gaz. vol. 193; p. 830.
- Drilling apparatus, Rotary. T. J. Griffin. No. 1,067,330; July 15; Gaz. vol. 192; p. 559.
- Drilling apparatus, Rotary. A. C. Stewart. No. 1,068,015; July 22; Gaz. vol. 192; p. 824.

Alphabetical list of inventions.—Continued.

- Drilling bit, Under. H. W. English and M. A. Byron. No. 1,067,416; July 15; Gaz. vol. 192; p. 588.
- Drilling device. W. H. Kyle. No. 1,053,185; Feb. 18; Gaz. vol. 187; p. 534.
- Drilling holes, Apparatus for. S. T. Skeen. No. 1,078,701; Nov. 18; Gaz. vol. 196; p. 565.
- Drilling-jig. C. H. Lindstedt. No. 1,064,751; June 17; Gaz. vol. 191; p. 612.
- Drilling-machine. B. F. Barnes. No. 1,054,268; Feb. 25; Gaz. vol. 187; p. 940.
- Drilling-machine. G. R. Mellon. No. 1,061,622; May 13; Gaz. vol. 190; p. 401.
- Drilling-machine. C. B. Richards and W. H. Jenkins. No. 1,063,598; June 3; Gaz. vol. 191; p. 147.
- Drilling-machine. C. H. Anderson. No. 1,069,995; Aug. 12; Gaz. vol. 193; p. 341.
- Drilling-machine. G. Piccone and S. Lippis. No. 1,072,256; Sept. 2; Gaz. vol. 194; p. 198.
- Drilling-machine. E. Cook. No. 1,073,218; Sept. 16; Gaz. vol. 194; p. 602.
- Drilling-machine. E. C. Bowers and E. Cook. No. 1,073,322; Sept. 16; Gaz. vol. 194; p. 639.
- Drilling-machine. F. Stevens and F. Spicker. No. 1,077,649; Nov. 4; Gaz. vol. 196; p. 141.
- Drilling-machine. A. W. Coffinger, Jr. No. 1,082,150; Dec. 23; Gaz. vol. 197; p. 855.
- Drilling-machine. S. E. Hilles and B. V. Colburn. No. 1,082,866; Dec. 30; Gaz. vol. 197; p. 1138.
- Drilling-machine attachment. J. E. Pool. No. 1,079,143; Nov. 18; Gaz. vol. 196; p. 720.
- Drilling-machine, Pneumatic. J. H. Bondy. No. 1,067,500; July 15; Gaz. vol. 192; p. 617.
- Drilling-machine, Rotary. L. J. Black. No. 1,053,777; Feb. 18; Gaz. vol. 187; p. 738.
- Drilling-machines, Feed-head for. C. E. Holt and P. L. Rauch. No. 1,066,817; July 8; Gaz. vol. 192; p. 347.
- Drilling-machines, Water attachment for. C. B. Richards. No. 1,059,563; Apr. 22; Gaz. vol. 189; p. 865.
- Drilling or the like irregular surfaces, Machine for. A. Elnicher. No. 1,057,132; Mar. 25; Gaz. vol. 188; p. 942.
- Drink-dispensing apparatus. B. Biss. No. 1,058,404; Apr. 8; Gaz. vol. 189; p. 392.
- Drink from dairy residues, Manufacture of a salutary. A. Jolles. No. 1,073,135; Sept. 16; Gaz. vol. 194; p. 572.
- Drink-mixer. F. R. Bonn. No. 1,056,882; Mar. 25; Gaz. vol. 188; p. 854.
- Drinking attachment. H. W. Taylor. No. 1,069,910; Aug. 12; Gaz. vol. 193; p. 313.
- Drinking-cup. C. A. Bryant. No. 1,050,100; Jan. 14; Gaz. vol. 186; p. 300.
- Drinking-cup. R. M. Axford. No. 1,062,578; May 27; Gaz. vol. 190; p. 801.
- Drinking-cup. S. Elliott. No. 1,073,481; Sept. 16; Gaz. vol. 194; p. 695.
- Drinking-cup. H. M. Russell, Jr. No. 1,081,468; Dec. 16; Gaz. vol. 197; p. 600.
- Drinking-cup, Antiseptic. C. E. Shirey. No. 1,067,688; July 15; Gaz. vol. 192; p. 681.
- Drinking-cup, Collapsible. F. C. Smith. No. 1,053,660; Feb. 18; Gaz. vol. 187; p. 698.
- Drinking-cup, Flat-closing. W. C. Dickerson. No. 1,069,236; Aug. 5; Gaz. vol. 193; p. 54.
- Drinking-cup, Sanitary. H. Hill. No. 1,056,675; Mar. 18; Gaz. vol. 188; p. 753.
- Drinking-cup, Sanitary. W. H. Baird. No. 1,058,935; Apr. 15; Gaz. vol. 189; p. 613.
- Drinking-cup, Sanitary. G. C. Stearns, Jr. No. 1,060,863; May 6; Gaz. vol. 190; p. 104.
- Drinking-cup, Sanitary. L. A. Cornelius. No. 1,062,695; May 27; Gaz. vol. 190; p. 840.
- Drinking device. S. W. Greene. No. 1,079,596; Nov. 25; Gaz. vol. 196; p. 906.
- Drinking device, Sanitary. A. S. Miller. No. 1,062,786; May 27; Gaz. vol. 190; p. 869.
- Drinking-fount. F. H. Gibbs. No. 1,059,142; Apr. 15; Gaz. vol. 189; p. 684.
- Drinking-fount nozzle. A. C. Brown. No. 1,081,718; Dec. 16; Gaz. vol. 197; p. 680.
- Drinking-fountain. P. Mueller and A. C. Schuermann. No. 1,054,306; Feb. 25; Gaz. vol. 187; p. 953.
- Drinking-fountain. H. F. Eby. No. 1,059,849; Apr. 22; Gaz. vol. 189; p. 957.
- Drinking-fountain. F. K. Crockford. No. 1,060,972; May 6; Gaz. vol. 190; p. 142.
- Drinking-fountain. F. A. Thomas. No. 1,069,043; July 29; Gaz. vol. 192; p. 1218.
- Drinking-fountain. F. C. Nielsen. No. 1,069,896; Aug. 12; Gaz. vol. 193; p. 309.
- Drinking-fountain. C. E. Kells, Jr. No. 1,072,124; Sept. 2; Gaz. vol. 194; p. 156.
- Drinking-fountain. J. W. Manon. No. 1,074,803; Oct. 7; Gaz. vol. 195; p. 74.
- Drinking-fountain. G. M. Page. No. 1,075,373; Oct. 14; Gaz. vol. 195; p. 298.
- Drinking-fountain. P. J. Madigan. No. 1,076,988; Oct. 28; Gaz. vol. 195; p. 940.
- Drinking-fountain. A. H. Hartman. No. 1,077,707; Nov. 4; Gaz. vol. 196; p. 159.
- Drinking-fountain. D. N. Shrawder. No. 1,082,610; Dec. 30; Gaz. vol. 197; p. 1049.
- Drinking-fountain, Bubble. F. A. Thomas. No. 1,056,471; Mar. 18; Gaz. vol. 188; p. 683.
- Drinking-fountain, Bubbling. S. C. Keith, Jr. No. 1,068,142; July 22; Gaz. vol. 192; p. 867.
- Drinking-fountain for fowls. J. M. Mason, Jr. No. 1,072,344; Sept. 2; Gaz. vol. 194; p. 227.
- Drinking-fountain for horses and cattle, Sanitary. W. J. Regar. No. 1,064,540; June 10; Gaz. vol. 191; p. 504.
- Drinking-fountain, Poultry. G. W. Gibbens. No. 1,050,732; Jan. 14; Gaz. vol. 186; p. 514.
- Drinking-fountain, Poultry. F. Enos, Jr. No. 1,055,624; Mar. 11; Gaz. vol. 188; p. 361.
- Drinking-fountain, Poultry. F. J. Schisler. No. 1,062,609; May 27; Gaz. vol. 190; p. 812.
- Drinking-fountain, Sanitary. P. Mueller and A. C. Schuermann. No. 1,053,058; Feb. 11; Gaz. vol. 187; p. 446.
- Drinking-fountain, Sanitary. J. L. Williams, Jr. No. 1,062,209; May 20; Gaz. vol. 190; p. 637.
- Drinking-fountain, Sanitary. E. Burr. No. 1,065,586; June 24; Gaz. vol. 191; p. 926.
- Drinking-fountain, Sanitary. I. S. Moore. No. 1,075,053; Oct. 7; Gaz. vol. 195; p. 160.
- Drinking-fountain, Sanitary. H. J. Milner. No. 1,075,433; Oct. 14; Gaz. vol. 195; p. 319.
- Drinking-fountain, Sanitary. A. R. Roethlisberger. No. 1,079,441; Nov. 25; Gaz. vol. 196; p. 849.
- Drinking-fountain, Stock and poultry. O. M. Waters. No. 1,052,631; Feb. 11; Gaz. vol. 187; p. 301.
- Drinking-straws, Holder and deliverer for. R. M. Reid. No. 1,062,503; May 20; Gaz. vol. 190; p. 735.
- Drinking-trough, Sanitary. J. D. Smith. No. 1,054,463; Feb. 25; Gaz. vol. 187; p. 1008.
- Drinking vessels, Sanitary attachment for lip-contacts of. C. H. Rich. No. 1,076,702; Oct. 28; Gaz. vol. 195; p. 839.
- Drip-pan alarm. A. H. Holmes. No. 1,064,221; June 10; Gaz. vol. 191; p. 395.
- Drive and transmission therefor, Four-wheel. W. O. Worth. No. 1,068,957; July 29; Gaz. vol. 192; p. 1190.
- Driving and braking mechanism. F. C. Atherton. No. 1,055,012; Mar. 4; Gaz. vol. 188; p. 121.
- Driving and releasing mechanism. F. Tomlinson. No. 1,056,071; Mar. 18; Gaz. vol. 188; p. 546.
- Driving-bit. E. J. Mills. No. 1,054,593; Feb. 25; Gaz. vol. 187; p. 1052.
- Driving connection, Yielding. G. Lane. No. 1,063,808; June 3; Gaz. vol. 191; p. 220.
- Driving device. B. D. Jackson. No. 1,072,616; Sept. 9; Gaz. vol. 194; p. 352.
- Driving-gear. G. C. Berlin. No. 1,062,318; May 20; Gaz. vol. 190; p. 674.
- Driving-gear, Variable. A. R. Bannister and T. G. Johns. No. 1,070,001; Aug. 12; Gaz. vol. 193; p. 343.
- Driving-lines. T. M. McConnell. No. 1,063,052; May 27; Gaz. vol. 190; p. 957.
- Driving mechanism. B. R. Wright. No. 1,058,833; Apr. 15; Gaz. vol. 189; p. 577.
- Driving mechanism. H. H. Bochmann. No. 1,060,528; Apr. 29; Gaz. vol. 189; p. 1233.
- Driving mechanism. J. H. Speas. No. 1,062,370; May 20; Gaz. vol. 190; p. 691.
- Driving mechanism. S. A. Bostwick. No. 1,064,437; June 10; Gaz. vol. 191; p. 470.
- Driving mechanism. A. W. Altorfer. No. 1,066,070; July 1; Gaz. vol. 192; p. 59.
- Driving mechanism. J. R. Gammeter. No. 1,076,416; Oct. 21; Gaz. vol. 195; p. 685.
- Driving mechanism. J. R. Gammeter. No. 1,076,632; Oct. 21; Gaz. vol. 195; p. 762.
- Driving mechanism. G. S. Blakeslee. No. 1,076,659; Oct. 28; Gaz. vol. 195; p. 823.
- Driving mechanism. A. W. Altorfer. No. 1,078,402; Nov. 11; Gaz. vol. 196; p. 433.
- Driving mechanism and support therefor. J. H. Speas. No. 1,061,022; May 6; Gaz. vol. 190; p. 161.
- Driving mechanism and support therefor. G. H. Willems. No. 1,066,068; July 1; Gaz. vol. 192; p. 58.
- Driving mechanism, Differential. T. L. Beguhn. No. 1,071,863; Sept. 2; Gaz. vol. 194; p. 67.
- Driving mechanism, Ratchet. F. H. Ayer. No. 1,072,807; Sept. 9; Gaz. vol. 194; p. 419.
- Driving mechanism, Releasable. G. A. Anderson. No. 1,082,105; Dec. 23; Gaz. vol. 197; p. 842.
- Driving mechanism, Reversible. J. H. Gorman. No. 1,082,691; Dec. 30; Gaz. vol. 197; p. 1077.
- Driving mechanism, Reversible-gear. J. Neswold. No. 1,052,010; Feb. 4; Gaz. vol. 187; p. 57.
- Driving mechanism, Worm-gear. O. H. Watkins. No. 1,060,802; May 6; Gaz. vol. 190; p. 81.
- Driving-pinion support. A. W. Wessoleck. No. 1,074,581; Sept. 30; Gaz. vol. 194; p. 1115.
- Driving-wheel coupling, Flexible. R. F. Grant and H. E. Wetherbee. No. 1,057,822; Apr. 1; Gaz. vol. 189; p. 147.
- Driving-wheel, Steerable. R. E. Shaffer. No. 1,066,666; July 8; Gaz. vol. 192; p. 295.
- Drop-end box. M. S. Sellman. No. 1,080,933; Dec. 9; Gaz. vol. 197; p. 385.

Alphabetical list of inventions—Continued.

- Drop-press. S. H. Dyer. No. 1,082,685; Dec. 30; Gaz. vol. 197; p. 1075.
- Drop-siding clamp. J. Kopecky. No. 1,049,872; Jan. 7; Gaz. vol. 186; p. 189.
- Dropper: See Fence-dropper; Medicine-dropper; Mercury-dropper; Potato-dropper; Seed-dropper.
- Drug-mill. E. H. Hance. No. 1,078,436; Nov. 11; Gaz. vol. 196; p. 445.
- Drum. F. W. Wood. No. 1,055,688; Mar. 11; Gaz. vol. 188; p. 383.
- Drum, Rope-. T. S. Miller. No. 1,062,723; May 27; Gaz. vol. 190; p. 848.
- Drum, Snare-. F. W. Wood. No. 1,055,689; Mar. 11; Gaz. vol. 188; p. 383.
- Drum-stand. R. W. Mills. No. 1,059,192; Apr. 15; Gaz. vol. 189; p. 702.
- Drums, Differential adjusting-rod for. A. M. Hoskins. No. 1,077,347; Nov. 4; Gaz. vol. 196; p. 37.
- Dumb-waiter. G. K. Mitchell. No. 1,065,463; June 24; Gaz. vol. 191; p. 884.
- Dumb-waiter. J. M. Birchler. No. 1,073,466; Sept. 16; Gaz. vol. 194; p. 690.
- Dumb-waiter guide. W. F. King. No. 1,051,335; Jan. 21; Gaz. vol. 186; p. 756.
- Dump and safety-lock therefor. H. A. Workhoven and J. L. Bouma. No. 1,060,525; Apr. 29; Gaz. vol. 189; p. 1232.
- Dump, Automatic transfer-. F. C. Greene. No. 1,065,325; June 17; Gaz. vol. 191; p. 799.
- Dump, Crossover-. O. V. Greene and J. E. Chinnock. No. 1,067,730; July 15; Gaz. vol. 192; p. 694.
- Dumping mechanism. T. A. Edison. No. 1,055,524; Mar. 11; Gaz. vol. 188; p. 328.
- Dumping-rake. P. F. Johanson. No. 1,055,466; Mar. 11; Gaz. vol. 188; p. 310.
- Duplex-cylinder lock. J. H. Shaw. No. 1,069,734; Aug. 12; Gaz. vol. 193; p. 252.
- Duplicating apparatus, Stencil-. A. B. Dick. No. 1,057,124; Mar. 25; Gaz. vol. 188; p. 939.
- Duplicating-machine. H. C. Gammeter. No. 1,050,638; Jan. 14; Gaz. vol. 186; p. 484.
- Duplicating-machine. H. C. Gammeter. No. 1,051,213; Jan. 21; Gaz. vol. 186; p. 715.
- Duplicating-machine. H. C. Gammeter. No. 1,051,377; Jan. 21; Gaz. vol. 186; p. 770.
- Duplicating-machine. H. C. Gammeter. No. 1,052,909; Feb. 11; Gaz. vol. 187; p. 397.
- Duplicating-machine. H. C. Gammeter. No. 1,052,910; Feb. 11; Gaz. vol. 187; p. 397.
- Duplicating-machine. H. C. Gammeter. No. 1,053,091; Feb. 11; Gaz. vol. 187; p. 459.
- Duplicating-machine. H. G. Liebenenthal. No. 1,070,269; Aug. 12; Gaz. vol. 193; p. 435.
- Duplicating-machine feeding device. H. C. Gammeter. No. 1,052,332; Feb. 4; Gaz. vol. 187; p. 165.
- Duplicating machine, Stencil-. A. B. Dick. No. 1,054,399; Feb. 25; Gaz. vol. 187; p. 987.
- Duplicating machine, Stencil-. A. B. Dick. No. 1,057,808; Apr. 1; Gaz. vol. 189; p. 141.
- Durum or macaroni wheat, Treating. W. A. Scott. No. 1,071,184; Aug. 26; Gaz. vol. 193; p. 819.
- Dust and cinder screen for passenger-coach windows. J. Morrison. No. 1,068,069; July 22; Gaz. vol. 192; p. 842.
- Dust and cinder screen for passenger-coach windows. J. Morrison. No. 1,070,981; Aug. 19; Gaz. vol. 193; p. 715.
- Dust and fume arrester. J. P. Hundrup and W. G. Allen. No. 1,061,292; May 13; Gaz. vol. 190; p. 285.
- Dust-catcher. A. J. Boynton. No. 1,063,110; May 27; Gaz. vol. 190; p. 976.
- Dust-collector. J. H. Briede. No. 1,049,988; Jan. 7; Gaz. vol. 186; p. 226.
- Dust-collector. W. T. Harder. No. 1,056,331; Mar. 18; Gaz. vol. 188; p. 633.
- Dust-collector, &c. A. Jorgensen. No. 1,056,552; Mar. 18; Gaz. vol. 188; p. 712.
- Dust-collecting screen. J. Adler. No. 1,056,722; Mar. 18; Gaz. vol. 188; p. 770.
- Dust-guard. J. A. Perkins. No. 1,064,371; June 10; Gaz. vol. 191; p. 445.
- Dust-pan. H. J. Resch. No. 1,053,438; Feb. 18; Gaz. vol. 187; p. 623.
- Dust-pan. A. R. Gibson. No. 1,055,265; Mar. 4; Gaz. vol. 188; p. 203.
- Dust-pan attachment. G. H. Wartman. No. 1,076,177; Oct. 21; Gaz. vol. 195; p. 600.
- Dust-remover. W. H. May. No. 1,065,953; July 1; Gaz. vol. 192; p. 17.
- Dust-removing apparatus. D. T. Kenney. No. 1,057,347; Mar. 25; Gaz. vol. 188; p. 1013.
- Dust-removing machine. K. F. W. Jaenecke. No. 1,050,027; Jan. 7; Gaz. vol. 186; p. 240.
- Dust-separator. H. Howard. No. 1,071,234; Aug. 26; Gaz. vol. 193; p. 836.
- Dustless cloth. J. L. Sporer. No. 1,056,067; Mar. 18; Gaz. vol. 188; p. 546.
- Dye. G. Holste. No. 1,059,670; Apr. 22; Gaz. vol. 189; p. 899.
- Dye and making same, Disazo. G. Kalischer. No. 1,079,415; Nov. 25; Gaz. vol. 196; p. 842.
- Dye and preparing the same. B. S. Summers. No. 1,053,676; Feb. 18; Gaz. vol. 187; p. 704.
- Dye, Anthraquinone vat. W. Herzberg and W. Bruck. No. 1,050,829; Jan. 21; Gaz. vol. 186; p. 582.
- Dye, Azo. K. Desamari, O. Günther, H. Schweltzer, and A. Zart. No. 1,052,135; Feb. 4; Gaz. vol. 187; p. 101.
- Dye, Azo. K. Desamari. No. 1,059,599; Apr. 22; Gaz. vol. 189; p. 876.
- Dye, Azo. B. Richard. No. 1,067,881; July 22; Gaz. vol. 192; p. 779.
- Dye, Azo. P. Hauptmann. No. 1,073,754; Sept. 23; Gaz. vol. 194; p. 812.
- Dye, Azo. P. Julius and C. Immerheiser. No. 1,073,902; Sept. 23; Gaz. vol. 194; p. 862.
- Dye, Azo. P. Julius and C. Immerheiser. No. 1,073,903; Sept. 23; Gaz. vol. 194; p. 862.
- Dye, Azo. P. Julius and C. Immerheiser. No. 1,073,904; Sept. 23; Gaz. vol. 194; p. 862.
- Dye, Azo. P. Julius and C. Immerheiser. No. 1,073,905; Sept. 23; Gaz. vol. 194; p. 862.
- Dye, Azo. L. Blangey and C. Immerheiser. No. 1,073,951; Sept. 23; Gaz. vol. 194; p. 878.
- Dye, Azo. P. Hauptmann. No. 1,074,946; Oct. 7; Gaz. vol. 195; p. 121.
- Dye, Azo. E. Fussenegger. No. 1,076,756; Oct. 28; Gaz. vol. 195; p. 858.
- Dye-bath. M. Kahn and A. Ossenbeck. No. 1,060,097; Apr. 29; Gaz. vol. 189; p. 1082.
- Dye, Blue azo. M. Kahn and A. Ossenbeck. No. 1,078,926; Nov. 18; Gaz. vol. 196; p. 644.
- Dye, Blue sulfur. A. Thauss. No. 1,081,638; Dec. 16; Gaz. vol. 197; p. 654.
- Dye, Catechu-brown sulfur. J. Flachslaender, K. P. Gräler, and M. Buff. No. 1,081,601; Dec. 16; Gaz. vol. 197; p. 644.
- Dye, Cotton-. A. Blank, C. Heidenreich, and J. Jansen. No. 1,082,925; Dec. 30; Gaz. vol. 197; p. 1160.
- Dye, Disazo. K. Desamari and A. Zart. No. 1,052,136; Feb. 4; Gaz. vol. 187; p. 101.
- Dye, Disazo. K. Desamari and A. Zart. No. 1,052,137; Feb. 4; Gaz. vol. 187; p. 102.
- Dye for cotton, Diazotizable disazo. W. Herzberg and W. Lange. No. 1,078,503; Nov. 11; Gaz. vol. 196; p. 465.
- Dye for cotton, Diazotizable disazo. W. Herzberg and W. Lange. No. 1,078,504; Nov. 11; Gaz. vol. 196; p. 466.
- Dye, Green sulfur. J. Flachslaender, K. P. Gräler, and M. Buff. No. 1,081,598; Dec. 16; Gaz. vol. 197; p. 643.
- Dye, Making. A. Moffatt. No. 1,066,641; July 8; Gaz. vol. 192; p. 287.
- Dye, Monoazo. K. Desamari and A. Zart. No. 1,058,562; Apr. 8; Gaz. vol. 189; p. 455.
- Dye, Monoazo. A. Zart and K. Desamari. No. 1,058,692; Apr. 8; Gaz. vol. 189; p. 489.
- Dye of the anthraquinone series. H. Friedmann. No. 1,065,440; June 24; Gaz. vol. 191; p. 876.
- Dye of the anthraquinone series, Blue. W. Herzberg and G. Hoppe. No. 1,078,505; Nov. 11; Gaz. vol. 196; p. 466.
- Dye of the anthraquinone series, Vat. H. Neresheimer. No. 1,052,507; Feb. 11; Gaz. vol. 187; p. 260.
- Dye of the anthraquinone series, Yellow wool-. P. Thomaschewski. No. 1,076,249; Oct. 21; Gaz. vol. 195; p. 624.
- Dye, Olive-green sulfur. J. Flachslaender, K. P. Gräler, and M. Buff. No. 1,081,600; Dec. 16; Gaz. vol. 197; p. 643.
- Dye, Trisazo. A. Blank. No. 1,051,859; Feb. 4; Gaz. vol. 187; p. 5.
- Dye, Trisazo. A. Blank. No. 1,052,031; Feb. 4; Gaz. vol. 187; p. 65.
- Dye, Vat. W. Bauer, A. Herre, and R. Mayer. No. 1,051,856; Feb. 4; Gaz. vol. 187; p. 4.
- Dye, Vat. A. Hamburger. No. 1,059,607; Apr. 22; Gaz. vol. 189; p. 878.
- Dye, Vat. W. Bauer, A. Herre and R. Mayer. No. 1,074,405; Sept. 30; Gaz. vol. 194; p. 1058.
- Dye, Vat. P. Thomaschewski. No. 1,076,329; Oct. 21; Gaz. vol. 195; p. 653.
- Dye, Wool azo. L. Hesse. No. 1,054,348; Feb. 25; Gaz. vol. 187; p. 969.
- Dye, Yellow vat. D. Nissen and E. Saul. No. 1,055,287; Mar. 4; Gaz. vol. 188; p. 210.
- Dyes and making same, Anthracene. H. Wolff. No. 1,063,000; May 27; Gaz. vol. 190; p. 940.
- Dyes and making same, Vat. F. Singer. No. 1,070,196; Aug. 12; Gaz. vol. 193; p. 411.
- Dyes and making the same, Azo. O. Schmidt. No. 1,075,305; Oct. 7; Gaz. vol. 195; p. 250.
- Dyes and making them, Anthraquinone. P. Nawlasky. No. 1,062,990; May 27; Gaz. vol. 190; p. 937.
- Dyes and making them, Green anthraquinone. O. Bally. No. 1,077,115; Oct. 28; Gaz. vol. 195; p. 981.
- Dyes, Anthraquinone. C. Müller and M. H. Isler. No. 1,062,988; May 27; Gaz. vol. 190; p. 936.
- Dyes, Black trisazo. A. Blank and C. Heidenreich. No. 1,056,493; Mar. 18; Gaz. vol. 188; p. 691.
- Dyes containing sulfur and making them. H. Wolff. No. 1,061,714; May 13; Gaz. vol. 190; p. 433.
- Dyes of the cerulein series, Manufacture of. A. Steiner. No. 1,054,247; Feb. 25; Gaz. vol. 187; p. 934.

Alphabetical list of inventions—Continued.

- Dyes, Polyazo. H. Schweitzer and A. Zart. (Reissue.) No. 1,355,000; Apr. 1; Gaz. vol. 189; p. 217.
- Dyeing. M. Kahn and A. Ossenbeck. No. 1,060,002; Apr. 29; Gaz. vol. 189; p. 1051.
- Dyeing. M. Kahn and A. Ossenbeck. No. 1,060,342; Apr. 29; Gaz. vol. 189; p. 1169.
- Dyeing. B. S. Summers. No. 1,064,393; June 10; Gaz. vol. 191; p. 454.
- Dyeing. J. H. Skitt. No. 1,067,380; July 15; Gaz. vol. 192; p. 576.
- Dyeing. C. Goldstein. No. 1,082,627; Dec. 30; Gaz. vol. 197; p. 1055.
- Dyeing and printing. C. Möllenhoff. No. 1,081,621; Dec. 16; Gaz. vol. 197; p. 649.
- Dyeing apparatus. J. C. Hebden and F. H. Daniell. No. 1,052,817; Feb. 11; Gaz. vol. 187; p. 365.
- Dyeing apparatus. J. M. Payne and G. G. Wallace. No. 1,053,063; Feb. 11; Gaz. vol. 187; p. 448.
- Dyeing apparatus. J. H. Giles. No. 1,057,635; Apr. 1; Gaz. vol. 189; p. 81.
- Dyeing apparatus. B. S. Summers. No. 1,069,827; Aug. 12; Gaz. vol. 193; p. 285.
- Dyeing apparatus. Skein-silk. E. L. Maupal. No. 1,051,342; Jan. 21; Gaz. vol. 186; p. 759.
- Dyeing loose textile goods, Apparatus for. W. Berger. No. 1,071,022; Aug. 26; Gaz. vol. 193; p. 763.
- Dyeing-machine. H. A. Noar. No. 1,052,168; Feb. 4; Gaz. vol. 187; p. 113.
- Dyeing-machine. J. M. Payne and G. G. Wallace. No. 1,057,265; Mar. 25; Gaz. vol. 188; p. 986.
- Dyeing-machine. J. H. Giles. No. 1,057,634; Apr. 1; Gaz. vol. 189; p. 81.
- Dyeing-machine. C. P. Delahunty. No. 1,059,845; Apr. 22; Gaz. vol. 189; p. 955.
- Dyeing-machine. J. C. Evenden. No. 1,065,036; June 17; Gaz. vol. 191; p. 702.
- Dyeing-machine. J. M. Payne. No. 1,067,132; July 8; Gaz. vol. 192; p. 453.
- Dyeing-machine. W. M. Morris. No. 1,076,305; Oct. 21; Gaz. vol. 195; p. 645.
- Dyeing-machine. R. P. Smith, G. E. Drum, and J. H. Skitt. No. 1,077,762; Nov. 4; Gaz. vol. 196; p. 180.
- Dyeing-machine. J. Hussong. No. 1,079,247; Nov. 18; Gaz. vol. 196; p. 754.
- Dyeing-machine, Circulating. W. W. Sibson and T. Allsop. No. 1,072,662; Sept. 9; Gaz. vol. 194; p. 367.
- Dyeing-machine, Circulating rotary. J. H. Skitt. No. 1,060,954; May 6; Gaz. vol. 190; p. 136.
- Dyeing machine, Raw-stock. Z. E. Noah. No. 1,052,371; Feb. 4; Gaz. vol. 187; p. 179.
- Dyeing machine, Vat. A. Ashworth. No. 1,052,390; Feb. 4; Gaz. vol. 187; p. 189.
- Dyeing-machines, Revolving collapsible beam for. F. M. Morton. No. 1,062,493; May 20; Gaz. vol. 190; p. 731.
- Dyeing-machines, Revolving collapsible dyeing-beam for. F. M. Morton. No. 1,059,900; Apr. 22; Gaz. vol. 189; p. 973.
- Dyeing thread and like material, Apparatus for. B. Teufer. No. 1,074,390; Sept. 30; Gaz. vol. 194; p. 1053.
- Dyeing wool and the like, Apparatus for. A. Murray. No. 1,060,277; Apr. 29; Gaz. vol. 189; p. 1146.
- Dyeings on cotton, Producing. E. Wugk. No. 1,056,080; Mar. 18; Gaz. vol. 188; p. 550.
- Dyestuff and making same. E. Hepp, R. Uhlenhuth, and F. Roemer. No. 1,052,480; Feb. 11; Gaz. vol. 187; p. 250.
- Dyestuff and making same, Red wool. H. Wagner and J. Kohlhaas. No. 1,071,833; Sept. 2; Gaz. vol. 194; p. 57.
- Dyestuff, Black mordant monoazo. M. Kahn and A. Ossenbeck. No. 1,078,925; Nov. 18; Gaz. vol. 196; p. 643.
- Dyestuff, Brown azo. K. Schirmacher and H. Elvert. No. 1,076,321; Oct. 21; Gaz. vol. 195; p. 651.
- Dyestuff, Vat. A. L. Laska and E. J. Rath. No. 1,079,568; Nov. 25; Gaz. vol. 196; p. 895.
- Dyestuffs and making same, Disazo. E. Zehntner. No. 1,075,134; Oct. 7; Gaz. vol. 195; p. 188.
- Dyestuffs and making same, Monoazo. H. Wagner. No. 1,082,719; Dec. 30; Gaz. vol. 197; p. 1088.
- Dyestuffs and making same, Orange-red to bluish-red mordant. C. De la Harpe and E. Bodmer. No. 1,055,885; Mar. 11; Gaz. vol. 188; p. 449.
- Dyestuffs and making same, Orange vat. G. Engi and J. Fröhlich. No. 1,081,898; Dec. 16; Gaz. vol. 197; p. 742.
- Dyestuffs and making same, Red azo. A. Luther and C. O. Muller. No. 1,065,950; July 1; Gaz. vol. 192; p. 16.
- Dyestuffs and making same, Yellow to brown wool. R. Schmidlin. No. 1,059,571; Apr. 22; Gaz. vol. 189; p. 867.
- Dyestuffs and making same, Yellow to red mordant. E. Bodmer and C. De la Harpe. No. 1,055,864; Mar. 11; Gaz. vol. 188; p. 443.
- Dyestuffs and their production. H. Levinstein and J. Baddley. No. 1,052,262; Feb. 4; Gaz. vol. 187; p. 144.
- Dyestuffs, Azo. A. Blank and W. Bergdolt. No. 1,082,923; Dec. 30; Gaz. vol. 197; p. 1159.
- Dyestuffs, Brown azo. K. Schirmacher and H. Elvert. No. 1,077,492; Nov. 4; Gaz. vol. 196; p. 90.
- Dyestuffs, Cotton-. A. Blank, C. Heidenreich, and J. Jansen. No. 1,082,581; Dec. 30; Gaz. vol. 197; p. 1039.
- Dyestuffs, Cotton-. A. Blank, C. Heidenreich, and J. Jansen. No. 1,082,924; Dec. 30; Gaz. vol. 197; p. 1159.
- Dyestuffs of the indigo series and making same, Vat. G. Engl. No. 1,074,850; Oct. 7; Gaz. vol. 195; p. 89.
- Dyestuffs of the triphenylmethane series and making same. A. Stock and F. Heim. No. 1,065,405; June 24; Gaz. vol. 191; p. 864.
- Dynamites and other high explosives into shells, Machine for packing. H. Auchu. No. 1,071,683; Sept. 2; Gaz. vol. 194; p. 4.
- Dynamites and other high explosives into shells, Machine for packing. H. Auchu. No. 1,074,923; Oct. 7; Gaz. vol. 195; p. 114.
- Dynamo brush-holder. H. Steinhart. No. 1,073,643; Sept. 23; Gaz. vol. 194; p. 771.
- Dynamo brush-holder. C. H. Smoot. No. 1,078,174; Nov. 11; Gaz. vol. 196; p. 352.
- Dynamo, Ignition-. C. T. Mason. No. 1,081,760; Dec. 16; Gaz. vol. 197; p. 695.
- Dynamos, Interrupter for ignition-. H. H. Wilxon. No. 1,078,233; Nov. 11; Gaz. vol. 196; p. 371.
- Dynamos, Reversible brush-holder for use with. J. L. Creveling. No. 1,058,730; Apr. 15; Gaz. vol. 189; p. 540.
- Dynamometer. G. Westinghouse. No. 1,050,186; Jan. 14; Gaz. vol. 186; p. 328.
- Dynamometer. J. Coates. No. 1,059,837; Apr. 22; Gaz. vol. 189; p. 953.
- Dynamometer, Electric. F. Lux. No. 1,067,995; July 22; Gaz. vol. 192; p. 816.
- Dynamometer for casing-screws and other purposes. R. W. Stephens. No. 1,080,937; Dec. 9; Gaz. vol. 197; p. 386.
- Dynamometer-wattmeter. M. Dolivo-Dobrowolsky. No. 1,060,894; May 6; Gaz. vol. 190; p. 115.
- Ear appliance for facilitating hearing. A. von Suchorzynski. No. 1,077,766; Nov. 4; Gaz. vol. 196; p. 181.
- Ear-plate. A. G. E. Lowman. No. 1,062,654; May 27; Gaz. vol. 190; p. 827.
- Ear-protector. H. Markoff. No. 1,066,511; July 8; Gaz. vol. 192; p. 241.
- Ear-trumpet. O. H. Sheppard. No. 1,079,670; Nov. 25; Gaz. vol. 196; p. 930.
- Ears, Device for the prevention and correction of protruding. B. T. Monier-Williams. No. 1,050,744; Jan. 14; Gaz. vol. 186; p. 518.
- Earth-motion-demonstrating apparatus. L. D. von Iffland. No. 1,082,334; Dec. 23; Gaz. vol. 197; p. 922.
- Earthenware-burning apparatus. W. L. Burley and B. A. Gilliotte. No. 1,071,663; Aug. 26; Gaz. vol. 193; p. 978.
- Earthworking implement. F. Gläser. No. 1,049,574; Jan. 7; Gaz. vol. 186; p. 89.
- Earthworking-tool, Motor-driven rotary. H. F. D. Schwahn. No. 1,076,241; Oct. 21; Gaz. vol. 195; p. 622.
- Easel. G. B. Streit. No. 1,050,403; Jan. 14; Gaz. vol. 186; p. 402.
- Easel. J. A. Scott. No. 1,053,112; Feb. 11; Gaz. vol. 187; p. 466.
- Easel. S. Kislovitz. No. 1,056,183; Mar. 18; Gaz. vol. 188; p. 585.
- Easel, Artist's. S. C. Vosper. No. 1,072,534; Sept. 9; Gaz. vol. 194; p. 324.
- Eaves construction. J. F. Gorman. No. 1,067,603; July 15; Gaz. vol. 192; p. 651.
- Eaves-trough. F. G. Hyke, Sr. No. 1,058,240; Apr. 8; Gaz. vol. 189; p. 334.
- Eaves-trough clamp. A. Kaiser. No. 1,051,416; Jan. 28; Gaz. vol. 186; p. 817.
- Eaves-trough hanger. H. B. Todd. No. 1,054,723; Mar. 4; Gaz. vol. 188; p. 23.
- Eccentric, Adjustable. W. H. Lanning, Jr. No. 1,073,148; Sept. 16; Gaz. vol. 194; p. 576.
- Eccentric, Detachable. J. L. Vale. No. 1,054,883; Mar. 4; Gaz. vol. 188; p. 79.
- Economizer. L. L. Gorr. No. 1,068,237; July 22; Gaz. vol. 192; p. 900.
- Edge, Straight-. M. R. Leaman. No. 1,080,225; Dec. 2; Gaz. vol. 197; p. 107.
- Edible compound, Producing an. J. Boyce. No. 1,061,254; May 6; Gaz. vol. 190; p. 236.
- Educational, amusement, and advertising purposes, Appliance for. A. I. Gancher. No. 1,075,248; Oct. 7; Gaz. vol. 195; p. 227.
- Educational and amusement device. W. M. Heiney. No. 1,053,598; Feb. 18; Gaz. vol. 187; p. 678.
- Educational apparatus. H. Alliot. No. 1,054,890; Mar. 4; Gaz. vol. 188; p. 82.
- Educational appliance. H. A. Aikins. No. 1,050,327; Jan. 14; Gaz. vol. 186; p. 377.
- Educational device. J. G. Charlier. No. 1,052,460; Feb. 11; Gaz. vol. 187; p. 244.
- Educational device. S. C. Matthews. No. 1,071,358; Aug. 26; Gaz. vol. 193; p. 877.
- Educational device. S. H. Fanning. No. 1,077,515; Nov. 4; Gaz. vol. 196; p. 97.
- Egg-beater. L. Schneider. No. 1,054,797; Mar. 4; Gaz. vol. 188; p. 50.

Alphabetical list of inventions—Continued.

- Egg-beater. W. J. Parham. No. 1,072,251; Sept. 2; Gaz. vol. 194; p. 197.
- Egg-beater. T. Holt. No. 1,077,832; Nov. 4; Gaz. vol. 196; p. 202.
- Egg boiler and timer. O. Jacobson. No. 1,061,942; May 13; Gaz. vol. 190; p. 505.
- Egg-box. A. C. Bussey. No. 1,051,484; Jan. 28; Gaz. vol. 186; p. 841.
- Egg-candler. W. W. Foster. No. 1,075,640; Oct. 14; Gaz. vol. 195; p. 391.
- Egg-carrier. E. A. Dieterich. No. 1,074,415; Sept. 30; Gaz. vol. 194; p. 1061.
- Egg-carrier. R. O. Hammond. No. 1,080,276; Dec. 2; Gaz. vol. 197; p. 126.
- Egg-carrying case. M. L. Brainard. No. 1,057,407; Apr. 1; Gaz. vol. 189; p. 5.
- Egg-carton. C. C. Smiley. No. 1,072,185; Sept. 2; Gaz. vol. 194; p. 176.
- Egg-carton. E. F. Ward. No. 1,077,322; Nov. 4; Gaz. vol. 196; p. 29.
- Egg-case. L. Harrington. No. 1,061,374; May 13; Gaz. vol. 190; p. 312.
- Egg-case, Collapsible. M. L. Funk. No. 1,081,229; Dec. 9; Gaz. vol. 197; p. 481.
- Egg-case filler. F. F. Bradshaw. No. 1,050,098; Jan. 14; Gaz. vol. 186; p. 299.
- Egg-cases, Cellular member for. C. W. Wise. No. 1,078,396; Nov. 11; Gaz. vol. 196; p. 432.
- Egg-detector, Hydrometric. W. H. Hutchinson. No. 1,075,477; Oct. 14; Gaz. vol. 195; p. 334.
- Egg-handling apparatus. T. H. Ryan. No. 1,049,608; Jan. 7; Gaz. vol. 186; p. 100.
- Egg-holder. W. A. Kinney. No. 1,054,562; Feb. 25; Gaz. vol. 187; p. 1041.
- Egg-lifter. P. H. Dunn. No. 1,054,638; Feb. 25; Gaz. vol. 187; p. 1067.
- Egg-lifter. W. C. Sandmann. No. 1,081,701; Dec. 16; Gaz. vol. 197; p. 675.
- Egg-opener. A. E. Marsh. No. 1,070,827; Aug. 19; Gaz. vol. 193; p. 666.
- Egg-separator. G. S. Martin. No. 1,074,372; Sept. 30; Gaz. vol. 194; p. 1047.
- Egg-shipping case, Collapsible. G. L. Schmall. No. 1,051,274; Jan. 21; Gaz. vol. 186; p. 736.
- Egg-supporting device. J. L. Shute. No. 1,081,870; Dec. 16; Gaz. vol. 197; p. 734.
- Egg-tester. R. H. Groff. No. 1,051,324; Jan. 21; Gaz. vol. 186; p. 753.
- Egg-tester. J. D. Suiter. No. 1,052,766; Feb. 11; Gaz. vol. 187; p. 346.
- Egg-tester. J. R. Grant. No. 1,055,900; Mar. 11; Gaz. vol. 188; p. 454.
- Egg-tester. J. L. Smith. No. 1,056,953; Mar. 25; Gaz. vol. 188; p. 879.
- Egg-tester. J. C. Hancock. No. 1,064,642; June 10; Gaz. vol. 191; p. 538.
- Egg-tester. G. P. Van Wye. No. 1,064,793; June 17; Gaz. vol. 191; p. 624.
- Egg-tester. W. Rigling. No. 1,066,050; July 1; Gaz. vol. 192; p. 52.
- Egg-tester. G. T. Cripps. No. 1,073,594; Sept. 23; Gaz. vol. 194; p. 754.
- Egg-testing device. A. D. Dunlevy. No. 1,065,790; June 24; Gaz. vol. 191; p. 995.
- Egg-tray. H. A. Swanson. No. 1,063,080; May 27; Gaz. vol. 190; p. 967.
- Egg-treating machine. G. A. Nunneley. No. 1,068,695; July 29; Gaz. vol. 192; p. 1096.
- Egg-turning tray for incubators. W. McMillin. No. 1,058,884; Apr. 15; Gaz. vol. 189; p. 595.
- Egg-washing machine. E. B. Cook. No. 1,081,367; Dec. 16; Gaz. vol. 197; p. 567.
- Eggs, Preserving and packing. W. Kulenkampff. No. 1,063,043; May 27; Gaz. vol. 190; p. 954.
- Ejector. G. Wallbillich. No. 1,061,429; May 13; Gaz. vol. 190; p. 331.
- Elastic cord. F. H. Frissell. No. 1,050,442; Jan. 14; Gaz. vol. 186; p. 417.
- Elastic cord or strand. M. W. Schloss. No. 1,066,759; July 8; Gaz. vol. 192; p. 330.
- Elastic fabric. W. Kops. No. 1,070,041; Aug. 12; Gaz. vol. 193; p. 357.
- Elastic fabric. W. Kops. No. 1,080,284; Dec. 2; Gaz. vol. 197; p. 128.
- Elastic fabric. W. Kops. No. 1,081,676; Dec. 16; Gaz. vol. 197; p. 666.
- Elastic fabric. G. C. Moore. No. 1,082,966; Dec. 30; Gaz. vol. 197; p. 1174.
- Elastic fabric or webbing. C. J. White. (Reissue.) No. 1,360,6; Aug. 12; Gaz. vol. 193; p. 477.
- Elastic for children's socks. E. M. Hatfield. No. 1,059,869; Apr. 22; Gaz. vol. 189; p. 962.
- Elastic materials, Manufacture of. Z. Olsson. No. 1,061,111; May 6; Gaz. vol. 190; p. 189.
- Elastic webbing. S. Kops. No. 1,075,831; Oct. 14; Gaz. vol. 195; p. 454.
- Elastic webbing. W. Kops. No. 1,081,675; Dec. 16; Gaz. vol. 197; p. 666.
- Elastic webbing and producing same. F. H. Frissell. No. 1,081,006; Dec. 9; Gaz. vol. 197; p. 408.
- Elastic wheel. J. Léonard. No. 1,051,132; Jan. 21; Gaz. vol. 186; p. 689.
- Elastic wheel. T. Whitehead. No. 1,051,178; Jan. 21; Gaz. vol. 186; p. 705.
- Elastic wheel. A. Sauvert. No. 1,060,860; May 6; Gaz. vol. 190; p. 103.
- Elastic wheel. C. Adams-Randall. No. 1,061,580; May 13; Gaz. vol. 190; p. 387.
- Elastic wheel. K. Köszei. No. 1,073,498; Sept. 16; Gaz. vol. 194; p. 699.
- Elatelite, Process and apparatus for treating. J. C. Ross. No. 1,057,093; Mar. 25; Gaz. vol. 188; p. 928.
- Elatelite, Treating. J. C. Ross. No. 1,057,094; Mar. 25; Gaz. vol. 188; p. 929.
- Elbow-protector. W. O. Tate. No. 1,065,187; June 17; Gaz. vol. 191; p. 751.
- Electric alarm and signal for air-brakes. I. B. Snapp. No. 1,052,184; Feb. 4; Gaz. vol. 187; p. 119.
- Electric alarm system. R. H. Olley. No. 1,050,228; Jan. 14; Gaz. vol. 186; p. 341.
- Electric apparatus, Anode-shield for vapor. C. A. Kraus and R. D. Mailey. No. 1,066,505; July 8; Gaz. vol. 192; p. 239.
- Electric-apparatus-controlling means. E. H. and K. A. Widgren. No. 1,054,811; Mar. 4; Gaz. vol. 188; p. 55.
- Electric-apparatus cooling device, Vapor-. P. C. Hewitt. No. 1,052,584; Feb. 11; Gaz. vol. 187; p. 284.
- Electric apparatus, Electric lead for vapor. C. A. Kraus and R. D. Mailey. No. 1,070,615; Aug. 19; Gaz. vol. 193; p. 596.
- Electric apparatus for firing mines, Dynamo-. K. Schaffler, yekte Glössl. No. 1,072,511; Sept. 9; Gaz. vol. 194; p. 315.
- Electric apparatus, Vapor. P. H. Thomas. No. 1,054,257; Feb. 25; Gaz. vol. 187; p. 937.
- Electric apparatus, Vapor. P. C. Hewitt. No. 1,069,695; Aug. 12; Gaz. vol. 193; p. 238.
- Electric apparatus, Vapor. O. O. Kruh. No. 1,071,060; Aug. 26; Gaz. vol. 193; p. 777.
- Electric apparatus, Vapor. S. Ferguson. No. 1,072,443; Sept. 9; Gaz. vol. 194; p. 292.
- Electric apparatus, Vapor. A. M. Jackson. No. 1,074,179; Sept. 30; Gaz. vol. 194; p. 983.
- Electric apparatus, Vapor. J. T. H. Dempster. No. 1,074,253; Sept. 30; Gaz. vol. 194; p. 1007.
- Electric apparatus, Vapor. A. M. Jackson. No. 1,081,308; Dec. 16; Gaz. vol. 197; p. 545.
- Electric apparatus, Vapor. A. M. Jackson. No. 1,081,309; Dec. 16; Gaz. vol. 197; p. 546.
- Electric appliance, Silica-glass. H. A. Kent and H. G. Lacell. No. 1,054,647; Feb. 25; Gaz. vol. 187; p. 1070.
- Electric arc, Chemical reaction by means of an. J. L. R. Hayden. No. 1,066,272; July 1; Gaz. vol. 192; p. 132.
- Electric arcs for the treatment of gases, Method and apparatus for the production of long. F. H. A. Wielgolaski. No. 1,061,892; May 13; Gaz. vol. 190; p. 486.
- Electric arcs, Production of long stable. J. Zenneck and K. Vollmer. No. 1,063,760; June 3; Gaz. vol. 191; p. 204.
- Electric automatic alarm. W. Maginot. No. 1,052,932; Feb. 11; Gaz. vol. 187; p. 405.
- Electric battery. C. F. Schub. No. 1,061,572; May 13; Gaz. vol. 190; p. 384.
- Electric battery. D. H. Wilson. No. 1,072,551; Sept. 9; Gaz. vol. 194; p. 330.
- Electric battery. W. S. Gould. No. 1,073,601; Sept. 23; Gaz. vol. 194; p. 756.
- Electric box. M. Murray. No. 1,066,215; July 1; Gaz. vol. 192; p. 111.
- Electric-box connection. F. H. Ward. No. 1,056,239; Mar. 18; Gaz. vol. 188; p. 604.
- Electric-box connection. F. H. Ward. No. 1,069,635; Aug. 5; Gaz. vol. 193; p. 188.
- Electric brake. J. N. Mahoney. No. 1,076,298; Oct. 21; Gaz. vol. 195; p. 642.
- Electric brake for hoists. H. S. Valentine. No. 1,060,384; Apr. 29; Gaz. vol. 189; p. 1184.
- Electric cable. F. R. McBerty. No. 1,054,784; Mar. 4; Gaz. vol. 188; p. 45.
- Electric cable. H. C. Egerton. No. 1,073,596; Sept. 23; Gaz. vol. 194; p. 755.
- Electric-cable connector. E. H. Faile. No. 1,056,651; Mar. 18; Gaz. vol. 188; p. 745.
- Electric-call-bell circuits, Wiring for. G. A. Pierce. No. 1,067,194; July 8; Gaz. vol. 192; p. 475.
- Electric circuit at predetermined positions of a collector, Apparatus for closing an. E. M. v. Marchthal. No. 1,054,583; Feb. 25; Gaz. vol. 187; p. 1049.
- Electric-circuit attachment-plug. F. H. Chapman and O. E. Kenney. No. 1,080,325; Dec. 2; Gaz. vol. 197; p. 142.
- Electric-circuit attachment-plug. F. H. Chapman and O. E. Kenney. No. 1,080,326; Dec. 2; Gaz. vol. 197; p. 142.
- Electric-circuit attachment-plug. F. H. Chapman and O. E. Kenney. No. 1,080,327; Dec. 2; Gaz. vol. 197; p. 143.
- Electric-circuit breaker. F. L. Sessions. No. 1,072,177; Sept. 2; Gaz. vol. 194; p. 174.
- Electric-circuit controller. H. M. Abernethy. No. 1,049,636; Jan. 7; Gaz. vol. 186; p. 110.

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- Electric-circuit-controlling apparatus for train-lighting and similar systems. E. H. M. Langley and E. W. Price. No. 1,079,013; Nov. 18; Gaz. vol. 196; p. 675.
- Electric-circuit cut-out. H. M. Scheibe. No. 1,056,220; Mar. 18; Gaz. vol. 188; p. 598.
- Electric-circuit lock. D. W. Wilt. No. 1,059,583; Apr. 22; Gaz. vol. 189; p. 871.
- Electric-circuit-protecting device. R. P. Jackson. No. 1,049,366; Jan. 7; Gaz. vol. 186; p. 16.
- Electric-circuit protective apparatus. R. L. Baker. No. 1,061,894; May 13; Gaz. vol. 190; p. 487.
- Electric-circuit switch. Automatically-operating. F. Kuhn. No. 1,060,987; May 6; Gaz. vol. 190; p. 148.
- Electric circuits by light-rays. Means for the systematic control of. S. Ocampo. No. 1,072,152; Sept. 2; Gaz. vol. 194; p. 166.
- Electric circuits from excessive rises in pressure and similar disturbances. Means for protecting. R. Rüdenberg. No. 1,077,163; Oct. 28; Gaz. vol. 195; p. 995.
- Electric circuits, Fusible cut-out for controlling. V. Hope. No. 1,068,341; July 22; Gaz. vol. 192; p. 937.
- Electric circuits, Means for controlling. J. H. Gugler. No. 1,070,456; Aug. 19; Gaz. vol. 193; p. 541.
- Electric coil. R. Varley. No. 1,073,060; Sept. 9; Gaz. vol. 194; p. 510.
- Electric-conductor-connecting device. N. D. Levin. No. 1,082,032; Dec. 23; Gaz. vol. 197; p. 817.
- Electric-conductor-unreeling device. A. Bournonville. No. 1,063,646; June 3; Gaz. vol. 191; p. 165.
- Electric conductors and preparing the same. Covering for. E. T. Trotter. No. 1,067,951; July 22; Gaz. vol. 192; p. 801.
- Electric conductors, Ground-joint connection for. J. C. Vogel. (Reissue.) No. 13,589; July 1; Gaz. vol. 192; p. 195.
- Electric conductors, Implement for installing and repairing. J. Cronin. No. 1,050,004; Jan. 7; Gaz. vol. 186; p. 232.
- Electric conductors, Process of and apparatus for coating. L. W. Chubb. No. 1,068,410; July 29; Gaz. vol. 192; p. 999.
- Electric conductors, Protecting-conduit for. G. A. Lutz. No. 1,072,478; Sept. 9; Gaz. vol. 194; p. 305.
- Electric conductors, Swivel-joint for. C. Twining. No. 1,070,307; Aug. 12; Gaz. vol. 193; p. 449.
- Electric conduits, Machine for manufacturing flexible. C. O. Berg. No. 1,067,161; July 8; Gaz. vol. 192; p. 464.
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- Electric controller. A. C. Eastwood and J. H. Hall. No. 1,053,484; Feb. 18; Gaz. vol. 187; p. 638.
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- Electric controller. J. H. Hall. No. 1,053,503; Feb. 18; Gaz. vol. 187; p. 645.
- Electric controller. A. E. Berdon. No. 1,065,657; June 24; Gaz. vol. 191; p. 950.
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- Electric controllers, System of control for. J. H. Hall. No. 1,062,707; May 27; Gaz. vol. 190; p. 843.
- Electric controlling apparatus. W. H. Gaulke. No. 1,067,217; July 8; Gaz. vol. 192; p. 484.
- Electric controlling apparatus. J. Burke. No. 1,072,422; Sept. 9; Gaz. vol. 194; p. 284.
- Electric conversion. S. Cabot. No. 1,081,090; Dec. 9; Gaz. vol. 197; p. 433.
- Electric-current brush structure. A. E. Berdon. No. 1,070,102; Aug. 12; Gaz. vol. 193; p. 378.
- Electric-current controller. L. Bradley. No. 1,051,481; Jan. 28; Gaz. vol. 186; p. 840.
- Electric-current controller. H. W. Leonard. No. 1,064,749; June 17; Gaz. vol. 191; p. 611.
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- Electric-current-controlling device. A. E. Berdon. No. 1,063,950; June 10; Gaz. vol. 191; p. 301.
- Electric-current-distribution system. C. L. Fortescue. No. 1,073,598; Sept. 23; Gaz. vol. 194; p. 755.
- Electric-current generator, Intermittent. M. P. Ryder. No. 1,062,361; May 20; Gaz. vol. 190; p. 688.
- Electric-current-rectifying method and apparatus. C. C. Ruprecht. No. 1,059,003; Apr. 15; Gaz. vol. 189; p. 637.
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- Electric currents, Apparatus for the production of high-potential. D. G. McCaa. (Reissue.) No. 13,564; May 20; Gaz. vol. 190; p. 761.
- Electric cut-out. T. E. Murray, Jr. No. 1,064,985; June 17; Gaz. vol. 191; p. 687.
- Electric cut-out, Automatic. J. H. Hallberg. No. 1,049,708; Jan. 7; Gaz. vol. 186; p. 133.
- Electric-cut-out fuse. L. E. Steward. No. 1,080,496; Dec. 2; Gaz. vol. 197; p. 202.
- Electric despatch system, Automatic. J. Deschamps. No. 1,078,035; Nov. 11; Gaz. vol. 196; p. 304.
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- Electric device, Vapor. P. C. Hewitt. No. 1,052,057; Feb. 4; Gaz. vol. 187; p. 73.
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- Electric device, Vapor. E. Weintraub. No. 1,075,615; Oct. 14; Gaz. vol. 195; p. 382.
- Electric device, Vapor. F. W. Lyle. No. 1,079,250; Nov. 18; Gaz. vol. 196; p. 755.
- Electric distribution system. E. N. Lake. No. 1,055,642; Mar. 11; Gaz. vol. 188; p. 367.
- Electric distribution system. L. B. Jones. No. 1,081,749; Dec. 16; Gaz. vol. 197; p. 691.
- Electric element, Thermo-. A. L. Marsh. No. 1,076,438; Oct. 21; Gaz. vol. 195; p. 692.
- Electric energy, System of distributing. I. J. Reuter and F. P. McDermott, Jr. No. 1,064,541; June 10; Gaz. vol. 191; p. 505.
- Electric fixture. J. Le Moyne. No. 1,051,505; Jan. 28; Gaz. vol. 186; p. 848.
- Electric fixture. E. L. Simons. No. 1,062,555; May 20; Gaz. vol. 190; p. 751.
- Electric fixture. W. McCause. No. 1,065,155; June 17; Gaz. vol. 191; p. 742.
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- Electric fixtures, Fastening device for. C. W. Bihler. No. 1,076,186; Oct. 21; Gaz. vol. 195; p. 603.
- Electric-fluid-heater regulator. W. S. Hadaway, Jr. No. 1,080,214; Dec. 2; Gaz. vol. 197; p. 103.
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- Electric furnace. F. J. Tone. No. 1,054,371; Feb. 25; Gaz. vol. 187; p. 976.
- Electric furnace. T. B. Allen. No. 1,054,380; Feb. 25; Gaz. vol. 187; p. 980.
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- Electric furnace. E. Stassano. No. 1,059,499; Apr. 22; Gaz. vol. 189; p. 844.
- Electric furnace. D. J. Hauss. No. 1,060,839; May 6; Gaz. vol. 190; p. 95.
- Electric furnace. J. Bally. No. 1,068,558; July 29; Gaz. vol. 192; p. 1048.
- Electric furnace. A. Helfenstein. No. 1,069,252; Aug. 5; Gaz. vol. 193; p. 59.
- Electric furnace. W. N. Crafts. No. 1,069,923; Aug. 12; Gaz. vol. 193; p. 318.
- Electric furnace. W. N. Crafts. No. 1,069,924; Aug. 12; Gaz. vol. 193; p. 318.
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- Electric furnace. A. E. Greene. No. 1,070,337; Aug. 12; Gaz. vol. 193; p. 459.
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- Electric furnace. A. E. Greene. No. 1,078,619; Nov. 18; Gaz. vol. 196; p. 536.
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- Electric furnace. J. Burke. No. 1,082,459; Dec. 23; Gaz. vol. 197; p. 961.
- Electric furnace and operating same. G. H. Benjamin. No. 1,057,213; Mar. 25; Gaz. vol. 188; p. 969.
- Electric furnace and operating the same. E. Weintraub. No. 1,068,615; July 29; Gaz. vol. 192; p. 1069.
- Electric furnace for iron and steel. A. L. J. Queneau. No. 1,057,669; Apr. 1; Gaz. vol. 189; p. 94.
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- Electric generating apparatus, Portable. V. Sence. No. 1,054,872; Mar. 4; Gaz. vol. 188; p. 76.
- Electric generating system. H. H. Wait. No. 1,078,179; Nov. 11; Gaz. vol. 196; p. 353.
- Electric generating, transmitting, and distributing system. F. W. Walker. No. 1,080,029; Dec. 2; Gaz. vol. 197; p. 39.
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- Electric generator, Magneto. B. P. and F. I. Remy. No. 1,081,696; Dec. 16; Gaz. vol. 197; p. 673.
- Electric generator, Thermo. J. J. Cook. No. 1,083,191; Dec. 30; Gaz. vol. 197; p. 1242.
- Electric generators and motors, Laminated core for. H. H. Wait. No. 1,080,611; Dec. 9; Gaz. vol. 197; p. 272.
- Electric generators or motors, Brush-holder for dynamo. J. E. Grant. No. 1,068,335; July 22; Gaz. vol. 192; p. 935.
- Electric ground-detector. G. A. Burnham. No. 1,055,018; Mar. 4; Gaz. vol. 188; p. 124.
- Electric heat-engine. R. A. Mitchell and F. A. Emerick. No. 1,063,824; June 3; Gaz. vol. 191; p. 226.
- Electric heater. A. W. Person. No. 1,051,967; Feb. 4; Gaz. vol. 187; p. 42.
- Electric heater. W. Barstow. No. 1,052,997; Feb. 11; Gaz. vol. 187; p. 426.
- Electric heater. A. S. Cubitt. No. 1,055,882; Mar. 11; Gaz. vol. 188; p. 448.
- Electric heater. M. M. Kohn. No. 1,057,745; Apr. 1; Gaz. vol. 189; p. 119.
- Electric heater. J. F. Monnot. No. 1,058,380; Apr. 8; Gaz. vol. 189; p. 384.
- Electric heater. W. Stanley. No. 1,060,718; May 6; Gaz. vol. 190; p. 54.
- Electric heater. C. C. Heyder. No. 1,061,289; May 13; Gaz. vol. 190; p. 284.
- Electric heater. J. L. Nylander. No. 1,062,711; May 20; Gaz. vol. 190; p. 604.
- Electric heater. W. Stanley and H. M. Smith. No. 1,063,614; June 3; Gaz. vol. 191; p. 153.
- Electric heater. G. E. Sharpe. No. 1,064,258; June 10; Gaz. vol. 191; p. 407.
- Electric heater. H. W. Beers. No. 1,065,426; June 24; Gaz. vol. 191; p. 872.
- Electric heater. J. Nathan. No. 1,065,465; June 24; Gaz. vol. 191; p. 885.
- Electric heater. F. J. Holmes. No. 1,072,227; Sept. 2; Gaz. vol. 194; p. 189.
- Electric heater. E. Thomson. No. 1,072,530; Sept. 9; Gaz. vol. 194; p. 322.
- Electric heater. W. O. Peale. No. 1,075,436; Oct. 14; Gaz. vol. 195; p. 320.
- Electric heater. W. S. Andrews. No. 1,076,858; Oct. 28; Gaz. vol. 195; p. 894.
- Electric heater. A. S. Cubitt. No. 1,077,676; Nov. 4; Gaz. vol. 196; p. 150.
- Electric heater. W. Dubilier. No. 1,079,225; Nov. 18; Gaz. vol. 196; p. 747.
- Electric heater. I. F. Talbot. No. 1,079,895; Nov. 25; Gaz. vol. 196; p. 1010.
- Electric heater. F. Philp, G. Kemp, and W. H. Gibbons. No. 1,082,168; Dec. 23; Gaz. vol. 197; p. 861.
- Electric heater, Automatic. L. S. Besley. No. 1,052,998; Feb. 11; Gaz. vol. 187; p. 426.
- Electric heaters and other electrical apparatus, Safety-switch for. F. Kuhn. No. 1,060,986; May 6; Gaz. vol. 190; p. 148.
- Electric heating unit. B. Falkenberg. No. 1,067,869; July 22; Gaz. vol. 192; p. 775.
- Electric high and low alarm for water-columns. J. E. Gustin. No. 1,066,429; July 1; Gaz. vol. 192; p. 182.
- Electric horn. C. F. Townsan. No. 1,078,013; Nov. 11; Gaz. vol. 196; p. 296.
- Electric ignition device. J. E. Baldwin. No. 1,050,418; Jan. 14; Gaz. vol. 186; p. 408.
- Electric ignition system. F. R. Simms. No. 1,083,222; Dec. 30; Gaz. vol. 197; p. 1253.
- Electric ignition systems, Adjustable timing apparatus for. A. Zahringer. No. 1,079,532; Nov. 25; Gaz. vol. 196; p. 882.
- Electric ignition systems, Circuit-controlling device for. F. Kratz. No. 1,063,556; June 3; Gaz. vol. 191; p. 131.
- Electric ignition systems, Circuit-interrupter for. R. Wagner. No. 1,065,567; June 24; Gaz. vol. 191; p. 919.
- Electric ignition systems, Mechanical interrupter for. G. Honold. No. 1,070,893; Aug. 19; Gaz. vol. 193; p. 687.
- Electric indicator. F. J. Burns and W. L. Andre. No. 1,059,273; Apr. 15; Gaz. vol. 189; p. 728.
- Electric indicator and steam-flow meter, Combined. J. Wilkinson. No. 1,076,473; Oct. 21; Gaz. vol. 195; p. 705.
- Electric installation, Pipe-conduit fitting for. W. H. Vibber. No. 1,064,402; June 10; Gaz. vol. 191; p. 456.
- Electric-light adjuster. J. L. Rawson. No. 1,071,957; Sept. 2; Gaz. vol. 194; p. 98.
- Electric-light bath or treatment apparatus. R. X. Tuttle. No. 1,059,505; Apr. 22; Gaz. vol. 189; p. 846.
- Electric-light bracket. E. and A. E. Schwarz. No. 1,060,950; May 6; Gaz. vol. 190; p. 134.
- Electric-light cord-adjuster. P. L. Pritchett. No. 1,079,720; Nov. 25; Gaz. vol. 196; p. 947.
- Electric-light fixture. R. C. Sage and J. R. Fruit. No. 1,069,295; Aug. 5; Gaz. vol. 193; p. 72.
- Electric-light fixture. L. Gudeman. No. 1,081,498; Dec. 16; Gaz. vol. 197; p. 610.
- Electric-light fixture, Extensible. F. Garrecht. No. 1,066,399; July 1; Gaz. vol. 192; p. 173.
- Electric light, Portable. W. M. Cloninger. No. 1,057,529; Apr. 1; Gaz. vol. 189; p. 45.
- Electric light, Portable. D. H. Stoehr. No. 1,060,375; Apr. 29; Gaz. vol. 189; p. 1181.
- Electric light, Portable. C. Hubert. No. 1,075,827; Oct. 14; Gaz. vol. 195; p. 453.
- Electric-light support. J. H. Kellogg. No. 1,065,371; June 24; Gaz. vol. 191; p. 852.
- Electric-light-system-controlling apparatus. A. W. Knutson. No. 1,058,986; Apr. 15; Gaz. vol. 189; p. 630.
- Electric-light-wiring cut-outs, Adjustable iron cabinet-box for. J. C. Fisher. No. 1,066,805; July 8; Gaz. vol. 192; p. 344.
- Electric lighting. P. C. Hewitt. No. 1,079,343; Nov. 25; Gaz. vol. 196; p. 818.
- Electric-lighting apparatus. P. C. Hewitt. No. 1,064,685; June 10; Gaz. vol. 191; p. 553.
- Electric-lighting apparatus. P. C. Hewitt. No. 1,064,688; June 10; Gaz. vol. 191; p. 554.
- Electric-lighting apparatus, Portable. H. H. Hirsch. No. 1,075,973; Oct. 14; Gaz. vol. 195; p. 503.
- Electric-lighting apparatus, Starting. P. C. Hewitt. No. 1,079,341; Nov. 25; Gaz. vol. 196; p. 817.
- Electric-lighting fixture, Pedestal indirect. F. W. Emmer. No. 1,079,290; Nov. 18; Gaz. vol. 196; p. 767.
- Electric-lighting system. H. Baluss. No. 1,070,099; Aug. 12; Gaz. vol. 193; p. 378.
- Electric-lighting system, Portable. H. H. Hirsch. No. 1,055,746; Mar. 11; Gaz. vol. 188; p. 402.
- Electric-lighting systems, Control for. C. F. Ketterling. No. 1,066,432; July 1; Gaz. vol. 192; p. 183.
- Electric-line structure. C. Aalborg. No. 1,055,691; Mar. 11; Gaz. vol. 188; p. 384.
- Electric lines and apparatus against over tension, Device for protecting. S. de Stefani. No. 1,070,743; Aug. 19; Gaz. vol. 193; p. 640.
- Electric lock. C. Legrand and A. Armel. No. 1,052,488; Feb. 11; Gaz. vol. 187; p. 253.
- Electric machine, Alternating-current dynamo. W. Doinikoff. No. 1,061,529; May 13; Gaz. vol. 190; p. 368.
- Electric machine, Compensated dynamo. L. Torda. No. 1,053,680; Feb. 18; Gaz. vol. 187; p. 705.
- Electric-machine control system, Dynamo. J. N. Mahoney. No. 1,056,921; Mar. 25; Gaz. vol. 188; p. 867.
- Electric machine, Dynamo. W. H. Powell and R. B. Williamson. No. 1,051,259; Jan. 21; Gaz. vol. 186; p. 730.
- Electric machine, Dynamo. W. H. Powell. No. 1,051,821; Jan. 28; Gaz. vol. 186; p. 952.
- Electric machine, Dynamo. J. L. Burnham. No. 1,055,873; Mar. 11; Gaz. vol. 188; p. 446.
- Electric machine, Dynamo. E. M. Tingley. No. 1,057,386; Mar. 25; Gaz. vol. 188; p. 1025.
- Electric machine, Dynamo. W. J. Foster. No. 1,064,310; June 10; Gaz. vol. 191; p. 425.
- Electric machine, Dynamo. E. R. Knight. No. 1,065,532; June 24; Gaz. vol. 191; p. 907.
- Electric machine, Dynamo. J. C. Barry. No. 1,066,175; July 1; Gaz. vol. 192; p. 96.
- Electric machine, Dynamo. E. Held. No. 1,066,494; July 8; Gaz. vol. 192; p. 235.
- Electric machine, Dynamo. N. Pensabene. No. 1,067,191; July 8; Gaz. vol. 192; p. 474.
- Electric machine, Dynamo. A. B. Field. No. 1,067,782; July 15; Gaz. vol. 192; p. 712.
- Electric machine, Dynamo. T. Ferguson. No. 1,070,437; Aug. 19; Gaz. vol. 193; p. 535.
- Electric machine, Dynamo. A. Hill. No. 1,071,920; Sept. 2; Gaz. vol. 194; p. 86.
- Electric machine, Dynamo. A. A. Pifer. No. 1,072,647; Sept. 9; Gaz. vol. 194; p. 362.
- Electric machine, Dynamo. G. Winter and F. Eichberg. No. 1,073,201; Sept. 16; Gaz. vol. 194; p. 595.
- Electric machine, Dynamo. G. Winter and F. Eichberg. No. 1,073,311; Sept. 16; Gaz. vol. 194; p. 636.
- Electric machine, Dynamo. C. E. F. Ahlm. No. 1,074,338; Sept. 30; Gaz. vol. 194; p. 1036.
- Electric machine, Dynamo. H. Weichel and S. T. Webster. No. 1,075,452; Oct. 14; Gaz. vol. 195; p. 326.
- Electric machine, Dynamo. C. E. Skinner and T. S. Scott. No. 1,077,374; Nov. 4; Gaz. vol. 196; p. 47.
- Electric machine, Dynamo. G. Sayre. No. 1,077,942; Nov. 4; Gaz. vol. 196; p. 241.
- Electric machine, Dynamo. H. H. Ralston. No. 1,078,877; Nov. 18; Gaz. vol. 196; p. 627.

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- Electric machine, Dynamo. V. G. Apple. No. 1,081,084; Dec. 9; Gaz. vol. 197; p. 431.
- Electric machine, Dynamo. B. G. Lamme. No. 1,082,532; Dec. 30; Gaz. vol. 197; p. 1020.
- Electric-machine frame, Dynamo. F. C. Hall. No. 1,059,048; Apr. 15; Gaz. vol. 189; p. 652.
- Electric machine, Influence. H. Wommelsdorf. No. 1,071,196; Aug. 26; Gaz. vol. 193; p. 822.
- Electric machine, Multipolar dynamo. B. A. Behrend. No. 1,071,546; Aug. 26; Gaz. vol. 193; p. 938.
- Electric machine, particularly applicable for ignition purposes in connection with internal-combustion engines, Dynamo. A. H. Midgley and C. A. Vandervell. No. 1,068,152; July 22; Gaz. vol. 192; p. 870.
- Electric-machine regulator, Dynamo. V. G. Apple. No. 1,062,380; May 20; Gaz. vol. 190; p. 695.
- Electric machines, Brush-holder for dynamo. J. H. Holmes. No. 1,079,554; Nov. 25; Gaz. vol. 196; p. 890.
- Electric machines, Collector-ring for dynamo. A. Kingsbury. No. 1,075,292; Oct. 7; Gaz. vol. 195; p. 245.
- Electric machines, Current-collecting device for dynamo. J. G. Zimmerman. No. 1,055,963; Mar. 11; Gaz. vol. 188; p. 475.
- Electric machines, Dynamic control for. A. E. Hogrebe and J. D. Firmin. No. 1,079,345; Nov. 25; Gaz. vol. 196; p. 819.
- Electric machines, Magnetic wedge for dynamo. B. F. Lee. No. 1,083,109; Dec. 30; Gaz. vol. 197; p. 1210.
- Electric machines, Overspeed device for dynamo. H. G. Stott. No. 1,062,052; May 20; Gaz. vol. 190; p. 583.
- Electric machines, Rotor-windings for alternating-current dynamo. L. J. Hunt. No. 1,057,061; Mar. 25; Gaz. vol. 188; p. 916.
- Electric machines, Rotor-windings for alternating-current dynamo. L. J. Hunt. (Reissue.) No. 13,591; July 8; Gaz. vol. 192; p. 490.
- Electric machines, Support for end turns or connections of coils for dynamo. W. F. Dawson. No. 1,064,295; June 10; Gaz. vol. 191; p. 420.
- Electric machines to velocipedes and the like, Means for attaching dynamo. F. Eichert. No. 1,073,747; Sept. 23; Gaz. vol. 194; p. 809.
- Electric machines, Winding for dynamo. C. J. Fecheimer. No. 1,066,893; July 8; Gaz. vol. 192; p. 373.
- Electric machines, Winding for dynamo. B. G. Lamme. No. 1,070,492; Aug. 19; Gaz. vol. 193; p. 555.
- Electric machinery, Dynamo. A. H. Midgley and C. A. Vandervell. No. 1,057,759; Apr. 1; Gaz. vol. 189; p. 123.
- Electric machinery, Dynamo. C. A. Parsons, G. G. Stoney, and A. H. Law. No. 1,077,426; Nov. 4; Gaz. vol. 196; p. 66.
- Electric metal-working apparatus, Transformer for. A. F. Rietzel. No. 1,052,753; Feb. 11; Gaz. vol. 187; p. 341.
- Electric meter. W. H. Pratt. No. 1,062,031; May 20; Gaz. vol. 190; p. 576.
- Electric meter. J. Mayer. No. 1,078,206; Nov. 11; Gaz. vol. 196; p. 363.
- Electric meter. G. A. Scheeffler. No. 1,082,654; Dec. 30; Gaz. vol. 197; p. 1064.
- Electric meter, Maximum-demand. W. E. Porter. No. 1,077,749; Nov. 4; Gaz. vol. 196; p. 174.
- Electric meter, Multirate. A. W. Burke. No. 1,082,148; Dec. 23; Gaz. vol. 197; p. 855.
- Electric meters, Theft-detector for. J. T. Sloan and A. G. English. No. 1,066,856; July 8; Gaz. vol. 192; p. 360.
- Electric-metering system. K. Markau. No. 1,077,729; Nov. 4; Gaz. vol. 196; p. 166.
- Electric motor. O. H. Pieper. No. 1,050,750; Jan. 14; Gaz. vol. 186; p. 519.
- Electric motor. H. C. Ogle. No. 1,057,394; Mar. 25; Gaz. vol. 188; p. 1027.
- Electric motor. J. Buckley. No. 1,066,582; July 8; Gaz. vol. 192; p. 266.
- Electric motor. H. A. Rhodes. No. 1,068,531; July 29; Gaz. vol. 192; p. 1039.
- Electric motor. R. E. Noble. No. 1,083,260; Dec. 30; Gaz. vol. 197; p. 1266.
- Electric motor and brake. H. A. Balcome. No. 1,060,966; May 6; Gaz. vol. 190; p. 140.
- Electric motor and pump. W. R. Macdonald. No. 1,066,635; July 8; Gaz. vol. 192; p. 285.
- Electric-motor controller. H. F. Stratton. No. 1,080,126; Dec. 2; Gaz. vol. 197; p. 73.
- Electric-motor driving unit. M. Taigman. No. 1,080,388; Dec. 2; Gaz. vol. 197; p. 167.
- Electric motor for transmitting angular movements. R. Girardelli. No. 1,068,759; July 29; Gaz. vol. 192; p. 1118.
- Electric-motor-operated machines, Brake for. M. Taigman. No. 1,080,387; Dec. 2; Gaz. vol. 197; p. 167.
- Electric motor, Reversible. G. H. Whittingham. No. 1,070,647; Aug. 19; Gaz. vol. 193; p. 606.
- Electric oscillograph. J. T. Irwin. No. 1,074,262; Sept. 30; Gaz. vol. 194; p. 1010.
- Electric plant. O. Schaller. No. 1,059,076; Apr. 15; Gaz. vol. 189; p. 661.
- Electric pneumatic switch. J. Desmond. No. 1,053,581; Feb. 18; Gaz. vol. 187; p. 672.
- Electric receptacle. N. D. Rand. No. 1,054,031; Feb. 25; Gaz. vol. 187; p. 860.
- Electric regulation. J. L. Creveling. No. 1,058,731; Apr. 15; Gaz. vol. 189; p. 540.
- Electric regulation. J. L. Creveling. No. 1,082,110; Dec. 23; Gaz. vol. 197; p. 843.
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- Electric regulator. W. H. Clarke and O. A. Ross. No. 1,074,773; Oct. 7; Gaz. vol. 195; p. 65.
- Electric regulator, Automatic. P. Werner and E. Juillard. No. 1,077,024; Oct. 28; Gaz. vol. 195; p. 953.
- Electric resistance. F. Bölling. No. 1,050,912; Jan. 21; Gaz. vol. 186; p. 614.
- Electric-resistance furnace. L. Ubbelohde. No. 1,060,868; May 6; Gaz. vol. 190; p. 105.
- Electric reversing-switch and circuit-closer. C. Haas. No. 1,074,860; Oct. 7; Gaz. vol. 195; p. 92.
- Electric rivet-furnace. W. S. Johnson and J. W. Sheffer. No. 1,078,290; Nov. 11; Gaz. vol. 196; p. 392.
- Electric-service board. N. Joleen. No. 1,063,265; June 3; Gaz. vol. 191; p. 32.
- Electric signal. A. J. Allard. No. 1,060,406; Apr. 29; Gaz. vol. 189; p. 1193.
- Electric signal, Elapsed-time. F. C. Hirdler. No. 1,051,228; Jan. 21; Gaz. vol. 186; p. 720.
- Electric socket. F. Barr. No. 1,057,320; Mar. 25; Gaz. vol. 188; p. 1003.
- Electric stop-motion mechanism. J. A. Poirier. No. 1,052,955; Feb. 11; Gaz. vol. 187; p. 412.
- Electric storage device. H. P. Ball. No. 1,077,507; Nov. 4; Gaz. vol. 196; p. 95.
- Electric switch. F. Barr. No. 1,049,975; Jan. 7; Gaz. vol. 186; p. 221.
- Electric switch. F. Barr. No. 1,049,976; Jan. 7; Gaz. vol. 186; p. 222.
- Electric switch. F. Barr. No. 1,049,977; Jan. 7; Gaz. vol. 186; p. 222.
- Electric switch. F. Barr. No. 1,049,978; Jan. 7; Gaz. vol. 186; p. 223.
- Electric switch. E. M. Hewlett and C. C. Badeau. No. 1,050,021; Jan. 7; Gaz. vol. 186; p. 238.
- Electric switch. M. Guett. No. 1,050,211; Jan. 14; Gaz. vol. 186; p. 336.
- Electric switch. C. E. Knowlton. No. 1,050,740; Jan. 14; Gaz. vol. 186; p. 516.
- Electric switch. J. M. S. Fontecha. No. 1,053,022; Feb. 11; Gaz. vol. 187; p. 433.
- Electric switch. M. E. Turner and R. A. Fulton. No. 1,053,245; Feb. 18; Gaz. vol. 187; p. 554.
- Electric switch. H. E. Frost. No. 1,053,489; Feb. 18; Gaz. vol. 187; p. 640.
- Electric switch. F. Barr. No. 1,053,552; Feb. 18; Gaz. vol. 187; p. 661.
- Electric switch. M. Guett. No. 1,054,110; Feb. 25; Gaz. vol. 187; p. 887.
- Electric switch. E. R. Hamilton. No. 1,055,035; Mar. 4; Gaz. vol. 188; p. 130.
- Electric switch. H. J. Wiegand. No. 1,056,310; Mar. 18; Gaz. vol. 188; p. 628.
- Electric switch. H. Hansen. No. 1,057,147; Mar. 25; Gaz. vol. 188; p. 947.
- Electric switch. M. Guett. No. 1,058,051; Apr. 8; Gaz. vol. 189; p. 267.
- Electric switch. F. H. Cadogan. No. 1,059,028; Apr. 15; Gaz. vol. 189; p. 645.
- Electric switch. L. F. Lindstrom. No. 1,059,056; Apr. 15; Gaz. vol. 189; p. 655.
- Electric switch. F. C. De Reamer. No. 1,059,846; Apr. 22; Gaz. vol. 189; p. 956.
- Electric switch. F. C. Newton. No. 1,060,207; Apr. 29; Gaz. vol. 189; p. 1120.
- Electric switch. L. J. Pierce. No. 1,062,185; May 20; Gaz. vol. 190; p. 629.
- Electric switch. E. H. Rieken. No. 1,065,550; June 24; Gaz. vol. 191; p. 913.
- Electric switch. F. Barr. No. 1,066,783; July 8; Gaz. vol. 192; p. 337.
- Electric switch. E. M. Hewlett. No. 1,067,735; July 15; Gaz. vol. 192; p. 696.
- Electric switch. H. R. Mitchell. No. 1,067,936; July 22; Gaz. vol. 192; p. 796.
- Electric switch. M. Guett. No. 1,069,125; Aug. 5; Gaz. vol. 193; p. 12.
- Electric switch. M. Guett. No. 1,069,126; Aug. 5; Gaz. vol. 193; p. 13.
- Electric switch. L. G. Copeman. No. 1,069,531; Aug. 5; Gaz. vol. 193; p. 154.
- Electric switch. C. E. Campbell. No. 1,070,111; Aug. 12; Gaz. vol. 193; p. 381.
- Electric switch. R. H. Fenkhausen. No. 1,070,674; Aug. 19; Gaz. vol. 193; p. 616.
- Electric switch. R. V. Collins. No. 1,070,777; Aug. 19; Gaz. vol. 193; p. 651.
- Electric switch. G. B. Reisbach. No. 1,071,087; Aug. 26; Gaz. vol. 193; p. 786.
- Electric switch. T. E. Barnum. No. 1,071,200; Aug. 26; Gaz. vol. 193; p. 823.
- Electric switch. E. Anderson. No. 1,072,898; Sept. 9; Gaz. vol. 194; p. 453.

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- Electric switch. F. J. Robinson. No. 1,073,289; Sept. 16; Gaz. vol. 194; p. 627.
- Electric switch. F. Schneider. No. 1,073,935; Sept. 23; Gaz. vol. 194; p. 873.
- Electric switch. J. F. McElroy. No. 1,075,986; Oct. 14; Gaz. vol. 195; p. 508.
- Electric switch. E. A. Halbleib. No. 1,078,195; Nov. 11; Gaz. vol. 196; p. 358.
- Electric switch. C. E. Avery. No. 1,078,404; Nov. 11; Gaz. vol. 196; p. 434.
- Electric switch. O. M. Knoblock. No. 1,080,563; Dec. 9; Gaz. vol. 197; p. 256.
- Electric switch. J. N. Wallace. No. 1,080,871; Dec. 9; Gaz. vol. 197; p. 364.
- Electric switch. G. B. Thomas. No. 1,081,789; Dec. 16; Gaz. vol. 197; p. 705.
- Electric switch. E. A. Halbleib. No. 1,082,694; Dec. 30; Gaz. vol. 197; p. 1078.
- Electric switch and cut-out. J. S. Johnston. No. 1,057,155; Mar. 25; Gaz. vol. 188; p. 949.
- Electric switch and outlet-box. O. Moessner. No. 1,057,258; Mar. 25; Gaz. vol. 188; p. 984.
- Electric switch, Automatic single-pole. W. E. Gorton. No. 1,050,939; Jan. 21; Gaz. vol. 186; p. 623.
- Electric switch, circuit-breaker, and the like. D. K. Morris and G. A. Lister. No. 1,071,566; Aug. 26; Gaz. vol. 193; p. 945.
- Electric switch, Combination. Y. Burgess. No. 1,074,241; Sept. 30; Gaz. vol. 194; p. 1003.
- Electric switch, High-potential. C. C. Badeau. No. 1,054,893; Mar. 4; Gaz. vol. 188; p. 83.
- Electric switch or cut-out. P. Druseidt. No. 1,052,903; Feb. 11; Gaz. vol. 187; p. 394.
- Electric switch, Push-button. H. E. Grabau. No. 1,051,219; Jan. 21; Gaz. vol. 186; p. 717.
- Electric switch, Remote-control. J. R. Gunn. No. 1,054,917; Mar. 4; Gaz. vol. 188; p. 90.
- Electric-switch socket. F. Barr. No. 1,064,426; June 10; Gaz. vol. 191; p. 466.
- Electric switch, Time-actuated. D. A. Cato. No. 1,064,290; June 10; Gaz. vol. 191; p. 418.
- Electric-switch-timing apparatus. A. J. Euchenhofer. No. 1,058,418; Apr. 8; Gaz. vol. 189; p. 397.
- Electric switches, Control means for. R. C. Pierce. No. 1,062,728; May 27; Gaz. vol. 190; p. 850.
- Electric switches, Time-controlled mechanism for operating. J. C. Van Slyke. No. 1,080,608; Dec. 9; Gaz. vol. 197; p. 271.
- Electric switching device. R. Wikander. No. 1,082,615; Dec. 30; Gaz. vol. 197; p. 1051.
- Electric terminal. F. W. Lyle. No. 1,060,989; May 6; Gaz. vol. 190; p. 149.
- Electric time-switch. S. G. Rhodes and A. B. Rypinski. No. 1,060,630; May 6; Gaz. vol. 190; p. 23.
- Electric transmission of intelligence. I. Kitsee. No. 1,050,663; Jan. 14; Gaz. vol. 186; p. 491.
- Electric transmission of intelligence. I. Kitsee. No. 1,083,255; Dec. 30; Gaz. vol. 197; p. 1264.
- Electric transmission of intelligence. I. Kitsee. No. 1,083,258; Dec. 30; Gaz. vol. 197; p. 1265.
- Electric trap. R. H. Pryor. No. 1,052,957; Feb. 11; Gaz. vol. 187; p. 413.
- Electric trap. A. Bajluk and G. Borlan. No. 1,054,383; Feb. 25; Gaz. vol. 187; p. 980.
- Electric vapor apparatus. E. Podszus. No. 1,076,058; Oct. 21; Gaz. vol. 195; p. 560.
- Electric vulcanizer. F. Martin. No. 1,073,263; Sept. 16; Gaz. vol. 194; p. 618.
- Electric-wire conduit. F. C. Hodkinson. No. 1,055,173; Mar. 4; Gaz. vol. 188; p. 174.
- Electric-wire connector. D. R. Lovejoy. No. 1,064,920; June 17; Gaz. vol. 191; p. 664.
- Electric-wire-supporting device. H. A. Hicks. No. 1,054,690; Mar. 4; Gaz. vol. 188; p. 12.
- Electric-wire terminal. G. R. Welch. No. 1,050,885; Jan. 21; Gaz. vol. 186; p. 603.
- Electric-wire test-connector. A. Kneisel. No. 1,055,305; Mar. 4; Gaz. vol. 188; p. 217.
- Electric wires to lamp-holders, plugs, and the like, Connecting. A. T. Crosher. No. 1,060,822; May 6; Gaz. vol. 190; p. 88.
- Electric wiring, Distributing-canopy for. J. N. Pierce and F. L. R. Francisco. No. 1,053,745; Feb. 18; Gaz. vol. 187; p. 728.
- Electric work-circuit-regulating monitor. F. Kraemer. No. 1,062,978; May 27; Gaz. vol. 190; p. 933.
- Electrical accumulator. P. K. Stern. No. 1,055,366; Mar. 11; Gaz. vol. 188; p. 277.
- Electrical accumulators, Manufacture of. P. Marino. No. 1,068,439; July 29; Gaz. vol. 192; p. 1009.
- Electrical apparatus. H. B. Smith. No. 1,062,046; May 20; Gaz. vol. 190; p. 581.
- Electrical apparatus. S. M. Esler. No. 1,069,401; Aug. 5; Gaz. vol. 193; p. 109.
- Electrical apparatus. H. E. Reeve. No. 1,080,583; Dec. 9; Gaz. vol. 197; p. 263.
- Electrical apparatus. H. E. Reeve. No. 1,080,584; Dec. 9; Gaz. vol. 197; p. 263.
- Electrical apparatus. H. E. Reeve. No. 1,080,585; Dec. 9; Gaz. vol. 197; p. 263.
- Electrical-apparatus coil. H. B. Smith. No. 1,082,563; Dec. 30; Gaz. vol. 197; p. 1032.
- Electrical apparatus for transmitting and receiving signals. A. T. Dawson and G. T. Buckham. No. 1,064,682; June 10; Gaz. vol. 191; p. 552.
- Electrical appliance. T. Deaderick. No. 1,052,044; Feb. 4; Gaz. vol. 187; p. 69.
- Electrical appliance for actuating and controlling dumb-waiters. C. H. Larson. No. 1,057,383; Mar. 25; Gaz. vol. 188; p. 1024.
- Electrical arcs, Method and apparatus for producing long. F. H. A. Wielgolaski. No. 1,054,886; Mar. 4; Gaz. vol. 188; p. 80.
- Electrical cables, Junction-box for. C. W. Davis. No. 1,061,527; May 13; Gaz. vol. 190; p. 367.
- Electrical-circuit controller. J. H. Lehman. No. 1,054,219; Feb. 25; Gaz. vol. 187; p. 926.
- Electrical circuits, Protective device for. H. R. Van Deventer. No. 1,071,279; Aug. 26; Gaz. vol. 193; p. 850.
- Electrical coil and winding same. M. Helm. No. 1,080,830; Dec. 9; Gaz. vol. 197; p. 351.
- Electrical communicating system. L. W. Miller. No. 1,080,018; Dec. 2; Gaz. vol. 197; p. 34.
- Electrical-conductor conduit. F. D. Saylor. No. 1,049,771; Jan. 7; Gaz. vol. 186; p. 154.
- Electrical-conductor protection, Static-pressure system for. G. N. Kercher. No. 1,082,272; Dec. 23; Gaz. vol. 197; p. 900.
- Electrical conductors, Apparatus for fault location on. H. M. Friendly. No. 1,057,817; Apr. 1; Gaz. vol. 189; p. 145.
- Electrical conductors, Making. W. Deats and C. Scott. No. 1,067,003; July 8; Gaz. vol. 192; p. 410.
- Electrical conductors, Testing. H. M. Friendly. No. 1,081,300; Dec. 16; Gaz. vol. 197; p. 543.
- Electrical-conduit fitting. G. H. Schwedler. No. 1,066,329; July 1; Gaz. vol. 192; p. 150.
- Electrical-conduit joint. C. W. Abbott. No. 1,065,492; June 24; Gaz. vol. 191; p. 894.
- Electrical-conduit junction-box. E. R. Le Manquais. No. 1,049,375; Jan. 7; Gaz. vol. 186; p. 20.
- Electrical connecting apparatus. G. A. Betulander. No. 1,064,957; June 17; Gaz. vol. 191; p. 677.
- Electrical connection. P. E. Gilling. No. 1,076,032; Oct. 21; Gaz. vol. 195; p. 552.
- Electrical connection. J. M. Andersen. No. 1,078,763; Nov. 18; Gaz. vol. 196; p. 588.
- Electrical connections, Junction-block for making. A. K. Andriano. No. 1,056,725; Mar. 18; Gaz. vol. 188; p. 771.
- Electrical connector. R. H. Welles. No. 1,054,809; Mar. 4; Gaz. vol. 188; p. 54.
- Electrical connector. R. H. Welles. No. 1,054,810; Mar. 4; Gaz. vol. 188; p. 55.
- Electrical connector. R. H. Welles. (Reissue.) No. 13,605; Aug. 12; Gaz. vol. 193; p. 477.
- Electrical connector. H. W. Pogue. No. 1,074,459; Sept. 30; Gaz. vol. 194; p. 1076.
- Electrical connector and making same. O. A. Rogers. No. 1,078,751; Nov. 18; Gaz. vol. 196; p. 583.
- Electrical connector, Plug-socket. W. F. Hoffmann. No. 1,072,460; Sept. 9; Gaz. vol. 194; p. 298.
- Electrical control system. J. D. Ihlder. No. 1,052,587; Feb. 11; Gaz. vol. 187; p. 285.
- Electrical control system. W. Robbins and A. H. Timmerman. No. 1,068,702; July 29; Gaz. vol. 192; p. 1099.
- Electrical controlling and regulating apparatus. G. T. Ashley. No. 1,077,451; Nov. 4; Gaz. vol. 196; p. 75.
- Electrical controlling device. H. W. Leonard. No. 1,061,191; May 6; Gaz. vol. 190; p. 215.
- Electrical coupling. J. L. Hinds and J. J. Dossert. No. 1,057,428; Apr. 1; Gaz. vol. 189; p. 12.
- Electrical coupling. J. L. Hinds and J. J. Dossert. No. 1,071,617; Aug. 26; Gaz. vol. 193; p. 962.
- Electrical device for transmitting to a distance continuous or intermittent angular movements. F. Spalazzi. No. 1,066,159; July 1; Gaz. vol. 192; p. 89.
- Electrical discharges, Apparatus for producing. R. Spaulding. No. 1,049,775; Jan. 7; Gaz. vol. 186; p. 156.
- Electrical discharges, Apparatus for producing. R. Spaulding. No. 1,060,957; May 6; Gaz. vol. 190; p. 137.
- Electrical distributor. J. L. Adams, Jr. No. 1,075,457; Oct. 14; Gaz. vol. 195; p. 328.
- Electrical distributing system. R. C. Leake. (Reissue.) No. 13,534; Feb. 25; Gaz. vol. 187; p. 1075.
- Electrical distribution. R. C. Leake. No. 1,066,823; July 8; Gaz. vol. 192; p. 349.
- Electrical distribution, Conductor-post for. C. Schuster and C. N. Bergmann. No. 1,082,772; Dec. 30; Gaz. vol. 197; p. 1107.
- Electrical distribution system. J. L. Woodbridge. No. 1,051,940; Feb. 4; Gaz. vol. 187; p. 32.
- Electrical distribution system. L. H. Flanders. No. 1,051,949; Feb. 4; Gaz. vol. 187; p. 36.
- Electrical distribution system. D. B. Moist and C. W. Young. No. 1,054,133; Feb. 25; Gaz. vol. 187; p. 894.

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 Electrical distribution system. J. L. Woodbridge. No. 1,067,631; July 15; Gaz. vol. 192; p. 661.
 Electrical distribution system. J. L. Woodbridge. No. 1,078,654; Nov. 18; Gaz. vol. 196; p. 548.
 Electrical distribution system. G. Crosby. No. 1,078,721; Nov. 18; Gaz. vol. 196; p. 573.
 Electrical distribution system. J. O. Luthy. No. 1,080,355; Dec. 2; Gaz. vol. 197; p. 155.
 Electrical energy, Electrical conduction system for communicating. G. W. Pickard. No. 1,051,443; Jan. 28; Gaz. vol. 186; p. 827.
 Electrical energy, System for the transmission of. C. D. Lanning. No. 1,053,098; Feb. 11; Gaz. vol. 187; p. 462.
 Electrical furnace with resistances arranged diametrically, Revolving. O. Serpek. No. 1,057,286; Mar. 25; Gaz. vol. 188; p. 993.
 Electrical generator. T. K. Strand. No. 1,064,026; June 10; Gaz. vol. 191; p. 327.
 Electrical heater. A. C. Hulbert. No. 1,064,330; June 10; Gaz. vol. 191; p. 432.
 Electrical heater. A. Eimer. No. 1,070,673; Aug. 19; Gaz. vol. 193; p. 615.
 Electrical heater element and making the same. H. B. Taylor. No. 1,075,517; Oct. 14; Gaz. vol. 195; p. 348.
 Electrical heating device. G. A. Hughes and T. M. Caven. No. 1,040,488; Jan. 7; Gaz. vol. 186; p. 57.
 Electrical ignition systems, Distributer for. A. Diemer. No. 1,074,777; Oct. 7; Gaz. vol. 195; p. 66.
 Electrical illumination. E. Weintraub. No. 1,074,303; Sept. 30; Gaz. vol. 194; p. 1024.
 Electrical indicating or recording apparatus. W. H. Bristol. No. 1,059,328; Apr. 15; Gaz. vol. 189; p. 747.
 Electrical indicator. S. B. Moscovitz. No. 1,076,222; Oct. 21; Gaz. vol. 195; p. 616.
 Electrical installations, Safety appliance for. W. F. Force. No. 1,076,754; Oct. 28; Gaz. vol. 195; p. 857.
 Electrical interlocking mechanism. J. L. Schureman. No. 1,071,807; Sept. 2; Gaz. vol. 194; p. 49.
 Electrical machine, Dynamo-. D. H. Andrews and E. C. Ketchum. No. 1,069,095; Aug. 5; Gaz. vol. 193; p. 3.
 Electrical machine, Dynamo-. D. H. Andrews and E. C. Ketchum. No. 1,082,579; Dec. 30; Gaz. vol. 197; p. 1038.
 Electrical operating device. R. V. Sill. No. 1,049,415; Jan. 7; Gaz. vol. 186; p. 33.
 Electrical oscillations, Arrangement for producing. G. von Arco. No. 1,061,717; May 13; Gaz. vol. 190; p. 434.
 Electrical production of light. P. C. Hewitt. No. 1,079,344; Nov. 25; Gaz. vol. 196; p. 818.
 Electrical protective apparatus. A. F. Dixon. No. 1,057,126; Mar. 25; Gaz. vol. 188; p. 939.
 Electrical protective device. J. O. Holton. No. 1,065,940; July 1; Gaz. vol. 192; p. 12.
 Electrical purification apparatus. R. W. Amos. No. 1,069,993; Aug. 12; Gaz. vol. 193; p. 340.
 Electrical reciprocating mechanism. J. C. Lincoln. No. 1,050,960; Jan. 21; Gaz. vol. 186; p. 630.
 Electrical recording apparatus. A. L. Sohm. No. 1,055,949; Mar. 11; Gaz. vol. 188; p. 470.
 Electrical reduction-furnace. R. E. Frickey. No. 1,080,824; Dec. 9; Gaz. vol. 197; p. 349.
 Electrical regulating apparatus. C. Lamboeuf. No. 1,051,238; Jan. 21; Gaz. vol. 186; p. 723.
 Electrical resistance. E. Thomson. No. 1,063,303; June 3; Gaz. vol. 191; p. 45.
 Electrical resistance device. E. J. Ovington. No. 1,052,843; Feb. 11; Gaz. vol. 187; p. 373.
 Electrical resistance device. G. C. Marx. No. 1,058,687; Apr. 8; Gaz. vol. 189; p. 487.
 Electrical resistance element. A. L. Marsh. No. 1,057,753; Apr. 1; Gaz. vol. 189; p. 122.
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 Electrical resistance unit. E. J. Ovington. No. 1,077,635; Nov. 4; Gaz. vol. 196; p. 135.
 Electrical separator. F. O. Schnelle. No. 1,071,354; Aug. 26; Gaz. vol. 193; p. 876.
 Electrical snap-switch. C. F. Paul. No. 1,082,093; Dec. 23; Gaz. vol. 197; p. 838.
 Electrical supply system. W. C. Woodland. No. 1,049,962; Jan. 7; Gaz. vol. 186; p. 217.
 Electrical switch. M. F. Young. No. 1,052,550; Feb. 11; Gaz. vol. 187; p. 273.
 Electrical switch. W. M. Scott. No. 1,064,096; June 10; Gaz. vol. 191; p. 352.
 Electrical switch. H. R. Gilson. No. 1,064,318; June 10; Gaz. vol. 191; p. 428.
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 Electrical switch. O. N. Wiswell. No. 1,075,238; Oct. 7; Gaz. vol. 195; p. 224.
 Electrical switch. W. J. Gagnon. No. 1,079,233; Nov. 18; Gaz. vol. 196; p. 750.
 Electrical switch. O. L. Davis. No. 1,081,022; Dec. 9; Gaz. vol. 197; p. 413.
 Electrical switch. H. R. Gilson. No. 1,082,021; Dec. 23; Gaz. vol. 197; p. 814.
 Electrical switching apparatus. J. G. Rinker. No. 1,066,051; July 1; Gaz. vol. 192; p. 52.
 Electrical system. R. Varley. No. 1,081,413; Dec. 16; Gaz. vol. 197; p. 581.
 Electrical system and apparatus therefor. J. W. Jepson and A. McGary. No. 1,062,918; May 27; Gaz. vol. 190; p. 913.
 Electrical systems, Balancer for three-phase. A. H. Pikler. No. 1,057,772; Apr. 1; Gaz. vol. 189; p. 128.
 Electrical taps or outlets, Support for. J. Sachs. No. 1,076,236; Oct. 21; Gaz. vol. 195; p. 620.
 Electrical terminal. Y. Sakai. No. 1,049,404; Jan. 7; Gaz. vol. 186; p. 30.
 Electrical terminal device. O. S. Schairer. No. 1,059,397; Apr. 22; Gaz. vol. 189; p. 808.
 Electrical testing apparatus. H. G. Ingram. No. 1,056,995; Mar. 25; Gaz. vol. 188; p. 894.
 Electrical testing-battery. E. Marcuson. No. 1,069,888; Aug. 12; Gaz. vol. 193; p. 305.
 Electrical transmission-lines, Hanging suspension for. T. Jervis. No. 1,058,673; Apr. 8; Gaz. vol. 189; p. 483.
 Electrical transmission system. J. B. Whitehead. No. 1,078,711; Nov. 18; Gaz. vol. 196; p. 570.
 Electrical wiring apparatus. A. McMurtrie. No. 1,049,752; Jan. 7; Gaz. vol. 186; p. 147.
 Electrical work, Plug connection for. A. A. Warner. No. 1,059,650; Apr. 22; Gaz. vol. 189; p. 892.
 Electrically-controlled indicator. W. L. Fitzgerald. No. 1,079,229; Nov. 18; Gaz. vol. 196; p. 748.
 Electrically-controlled lock. W. H. Hollar and H. F. Balou. No. 1,051,588; Jan. 28; Gaz. vol. 186; p. 876.
 Electrically-controlled lock. H. G. Voight. No. 1,071,657; Aug. 26; Gaz. vol. 193; p. 976.
 Electrically-driven portable machine. A. Palmros. No. 1,066,648; July 8; Gaz. vol. 192; p. 289.
 Electrically-heated apparatus, Automatic controlling device for. B. W. Brawner. No. 1,077,038; Oct. 28; Gaz. vol. 195; p. 958.
 Electrically-heated boiler. J. F. McElroy. No. 1,072,748; Sept. 9; Gaz. vol. 194; p. 397.
 Electrically-heated comb. E. Schwartz. No. 1,052,097; Feb. 4; Gaz. vol. 187; p. 88.
 Electrically-heated device. J. F. Lamb. No. 1,060,255; Apr. 29; Gaz. vol. 189; p. 1141.
 Electrically-heated device. J. F. Lamb. No. 1,060,268; Apr. 29; Gaz. vol. 189; p. 1142.
 Electrically-heated pad and the like. J. G. Schuirmann. No. 1,074,216; Sept. 30; Gaz. vol. 194; p. 995.
 Electrically-heated utensil. J. F. Lamb. No. 1,060,263; Apr. 29; Gaz. vol. 189; p. 1140.
 Electrically-heated utensil. J. F. Lamb. No. 1,060,267; Apr. 29; Gaz. vol. 189; p. 1142.
 Electrically-heated utensils, Protective device for. J. F. Lamb. No. 1,060,266; Apr. 29; Gaz. vol. 189; p. 1141.
 Electrically-operated apparatus. G. W. Hart. No. 1,058,178; Apr. 8; Gaz. vol. 189; p. 314.
 Electrically transmitting orders or signals and for indicating their nature and the points of transmission, Means for. H. Quertier. No. 1,080,167; Dec. 2; Gaz. vol. 197; p. 87.
 Electricity, Chemical generator of. O. Sozzi. No. 1,069,493; Aug. 5; Gaz. vol. 193; p. 141.
 Electricity, Device for uniting insulated conductors of. A. A. Kent. No. 1,082,811; Dec. 30; Gaz. vol. 197; p. 1120.
 Electricity into gases, Discharge of. F. G. Cottrell. No. 1,067,974; July 22; Gaz. vol. 192; p. 810.
 Electricity, Transformer of. J. W. Davis. No. 1,056,739; Mar. 18; Gaz. vol. 188; p. 776.
 Electrocapillary contrivance. A. Orling. No. 1,076,445; Oct. 21; Gaz. vol. 195; p. 695.
 Electrochemical process. J. L. R. Hayden. No. 1,072,945; Sept. 9; Gaz. vol. 194; p. 470.
 Electrocuting apparatus, Animal-. H. Smith. No. 1,075,995; Oct. 14; Gaz. vol. 195; p. 511.
 Electrocuting device, Animal-. H. Smith. No. 1,075,386; Oct. 14; Gaz. vol. 195; p. 304.
 Electrode. J. L. R. Hayden. No. 1,050,019; Jan. 7; Gaz. vol. 186; p. 237.
 Electrode. J. T. H. Dempster. (Reissue.) No. 13,510; Jan. 14; Gaz. vol. 186; p. 529.
 Electrode. K. Tornberg. No. 1,057,016; Mar. 25; Gaz. vol. 188; p. 901.
 Electrode. G. W. Elmen. No. 1,057,046; Mar. 25; Gaz. vol. 188; p. 912.
 Electrode. C. R. Krueger. No. 1,061,758; May 13; Gaz. vol. 190; p. 446.
 Electrode. J. L. R. Hayden. No. 1,075,713; Oct. 14; Gaz. vol. 195; p. 414.
 Electrode. R. N. Chamberlin and S. J. Hall. No. 1,075,897; Oct. 14; Gaz. vol. 195; p. 476.

Alphabetical list of inventions—Continued.

- Electrode. R. H. Stevens. No. 1,077,894; Nov. 4; Gaz. vol. 196; p. 224.
- Electrode. R. H. Stevens. No. 1,077,920; Nov. 4; Gaz. vol. 196; p. 233.
- Electrode, Arc-lamp. C. A. B. Halvorson, Jr. No. 1,057,054; Mar. 25; Gaz. vol. 188; p. 914.
- Electrode, Arc-lamp. G. M. Little. No. 1,075,484; Oct. 14; Gaz. vol. 195; p. 336.
- Electrode, Arc-lamp. F. R. Crane, Jr. No. 1,075,768; Oct. 14; Gaz. vol. 195; p. 433.
- Electrode, Arc-lamp. C. P. Steinmetz. No. 1,082,978; Dec. 30; Gaz. vol. 197; p. 1177.
- Electrode, Arc-light. I. Ladoff. No. 1,062,168; May 20; Gaz. vol. 190; p. 623.
- Electrode, Arc-light. J. L. R. Hayden. No. 1,082,950; Dec. 30; Gaz. vol. 197; p. 1167.
- Electrode, Battery. J. J. Auringer. No. 1,081,277; Dec. 9; Gaz. vol. 197; p. 498.
- Electrode, Bipolar intragastric. A. G. Hurdman. No. 1,056,336; Mar. 18; Gaz. vol. 188; p. 635.
- Electrode-box. H. B. Hartman. No. 1,065,361; June 24; Gaz. vol. 191; p. 849.
- Electrode, Cataphoric. D. E. Kerr and H. Wilson. No. 1,076,210; Oct. 21; Gaz. vol. 195; p. 612.
- Electrode contact-clamp. J. G. Marshall. No. 1,065,380; June 24; Gaz. vol. 191; p. 855.
- Electrode, Electric-furnace carbon. A. T. Hinckley. No. 1,058,057; Apr. 8; Gaz. vol. 189; p. 270.
- Electrode for electric spot-welding machines. Water-cooled welding. A. C. Taylor. No. 1,058,677; Apr. 8; Gaz. vol. 189; p. 484.
- Electrode for electric welding-machines. J. A. Heany. No. 1,061,376; May 13; Gaz. vol. 190; p. 313.
- Electrode for preventing cathodic reduction. A. Pietzsch and G. Adolph. No. 1,083,132; Dec. 30; Gaz. vol. 197; p. 1227.
- Electrode for producing arcs. G. Wagener. No. 1,055,003; Mar. 4; Gaz. vol. 188; p. 119.
- Electrode for producing arcs. G. Wagener. No. 1,055,295; Mar. 4; Gaz. vol. 188; p. 213.
- Electrode for secondary galvanic cells. H. P. R. L. Pörsche and J. A. E. Achenbach. No. 1,066,651; July 8; Gaz. vol. 192; p. 290.
- Electrode for use in electrothermal processes. E. B. Jewett. No. 1,067,031; July 8; Gaz. vol. 192; p. 419.
- Electrode-holder. H. J. Potts. No. 1,064,991; June 17; Gaz. vol. 191; p. 688.
- Electrode-holder. G. Hills. No. 1,069,697; Aug. 12; Gaz. vol. 193; p. 239.
- Electrode-holder. J. Orr. No. 1,076,054; Oct. 21; Gaz. vol. 195; p. 559.
- Electrode holder, Combination metallic and carbon. G. Hills. No. 1,053,392; Feb. 18; Gaz. vol. 187; p. 606.
- Electrode-holder for electric furnaces. D. A. Lyon and E. R. Cox, Jr. No. 1,068,148; July 22; Gaz. vol. 192; p. 869.
- Electrode-lead. C. A. Kraus and R. D. Mailey. No. 1,076,292; Oct. 21; Gaz. vol. 195; p. 640.
- Electrode-lead for vapor electric apparatus. C. A. Kraus and R. D. Mailey. No. 1,066,504; July 8; Gaz. vol. 192; p. 238.
- Electrode, Luminous or flaming arc. J. L. R. Hayden. No. 1,049,854; Jan. 7; Gaz. vol. 186; p. 182.
- Electrode-supporting rod for electrolytic tanks. P. Jensen. No. 1,074,088; Sept. 23; Gaz. vol. 194; p. 923.
- Electrode, Therapeutic. R. H. Wappler. No. 1,074,146; Sept. 30; Gaz. vol. 194; p. 972.
- Electrodes, Holder for high-tension. A. R. Darling. No. 1,078,597; Nov. 11; Gaz. vol. 196; p. 497.
- Electrodes, Making storage-battery. H. C. Hubbell. No. 1,079,346; Nov. 25; Gaz. vol. 196; p. 819.
- Electrodes, Making storage-battery. H. C. Hubbell. No. 1,081,531; Dec. 16; Gaz. vol. 197; p. 623.
- Electrodes, Manufacture of magnetic. W. Seeger. No. 1,079,269; Nov. 18; Gaz. vol. 196; p. 761.
- Electrodes, Means for joining. E. and H. Viertel. No. 1,049,624; Jan. 7; Gaz. vol. 186; p. 106.
- Electrodes, Operation of translating devices with multiple. P. C. Hewitt. No. 1,052,056; Feb. 4; Gaz. vol. 187; p. 73.
- Electrogalvanic generator. A. Dow. No. 1,053,977; Feb. 25; Gaz. vol. 187; p. 842.
- Electrograph. R. S. M. Mitchell. No. 1,077,361; Nov. 4; Gaz. vol. 196; p. 42.
- Electrolysis. H. M. Du Bois. No. 1,075,026; Oct. 7; Gaz. vol. 195; p. 151.
- Electrolysis and apparatus therefor. K. S. Guiterman. No. 1,062,966; May 27; Gaz. vol. 190; p. 929.
- Electrolysis, Multiple-needle holder for. E. K. Willison. No. 1,070,370; Aug. 12; Gaz. vol. 193; p. 471.
- Electrolysis of salt solutions, Apparatus for. J. Billiter. No. 1,054,497; Feb. 25; Gaz. vol. 187; p. 1020.
- Electrolytes, Apparatus for fusing. H. R. Carveth. No. 1,074,408; Sept. 30; Gaz. vol. 194; p. 1059.
- Electrolytes for use in the deposition of a metal or metallic alloy, Preparing. P. Marino. No. 1,073,432; Sept. 16; Gaz. vol. 194; p. 678.
- Electrolytes, Heating molten. F. Kugelgen and G. O. Seward. No. 1,080,113; Dec. 2; Gaz. vol. 197; p. 69.
- Electrolytic apparatus. M. Perreux-Lloyd. No. 1,073,868; Sept. 23; Gaz. vol. 194; p. 849.
- Electrolytic apparatus. H. Henkel and W. Weber. No. 1,074,549; Sept. 30; Gaz. vol. 194; p. 1103.
- Electrolytic-apparatus diaphragm. H. D. Ruhm. No. 1,082,286; Dec. 23; Gaz. vol. 197; p. 905.
- Electrolytic cell. E. O. Barstow. No. 1,053,266; Feb. 18; Gaz. vol. 187; p. 563.
- Electrolytic cell. R. Threlfall. No. 1,062,058; May 20; Gaz. vol. 190; p. 585.
- Electrolytic cell. T. Griswold, Jr. No. 1,070,454; Aug. 19; Gaz. vol. 193; p. 540.
- Electrolytic cell. E. A. and H. I. Allen. No. 1,073,559; Sept. 16; Gaz. vol. 194; p. 720.
- Electrolytic cell. C. W. Marsh. No. 1,075,362; Oct. 14; Gaz. vol. 195; p. 293.
- Electrolytic cell. C. W. Marsh. No. 1,075,363; Oct. 14; Gaz. vol. 195; p. 294.
- Electrolytic cell. C. W. Marsh. No. 1,075,364; Oct. 14; Gaz. vol. 195; p. 294.
- Electrolytic cell. A. H. Hooker. No. 1,075,570; Oct. 14; Gaz. vol. 195; p. 366.
- Electrolytic cell. G. W. Stone. No. 1,075,609; Oct. 14; Gaz. vol. 195; p. 380.
- Electrolytic cell. C. W. Marsh. No. 1,075,660; Oct. 14; Gaz. vol. 195; p. 397.
- Electrolytic cell and maintaining the efficiency thereof. W. M. Jewell. No. 1,056,181; Mar. 18; Gaz. vol. 188; p. 584.
- Electrolytic diaphragm. H. A. Wagner. No. 1,077,444; Nov. 4; Gaz. vol. 196; p. 72.
- Electrolytic meter. E. Weintraub. No. 1,069,211; Aug. 5; Gaz. vol. 193; p. 44.
- Electrolytic process. C. J. Reed. No. 1,055,652; Mar. 11; Gaz. vol. 188; p. 370.
- Electrolytic process. C. J. Reed. No. 1,055,653; Mar. 11; Gaz. vol. 188; p. 370.
- Electrolytic solution for cleaning metallic articles. A. Levy. No. 1,061,089; May 6; Gaz. vol. 190; p. 181.
- Electrolytical purposes, Article for. B. Schwerin. No. 1,050,303; Jan. 14; Gaz. vol. 186; p. 368.
- Electrolyzing apparatus, Liquid. E. Balke. No. 1,051,060; Jan. 21; Gaz. vol. 186; p. 665.
- Electrolyzing streaming electrolytes. J. G. Paulin. No. 1,056,118; Mar. 18; Gaz. vol. 188; p. 563.
- Electromagnet. A. A. Ziegler. No. 1,053,340; Feb. 18; Gaz. vol. 187; p. 589.
- Electromagnet. F. W. Martini. No. 1,064,512; June 10; Gaz. vol. 191; p. 494.
- Electromagnet, Alternating-current. D. L. Lindquist. No. 1,066,293; July 1; Gaz. vol. 192; p. 139.
- Electromagnet, Alternating-current. D. L. Lindquist. No. 1,066,294; July 1; Gaz. vol. 192; p. 140.
- Electromagnet-switch. A. Sundh. No. 1,066,677; July 8; Gaz. vol. 192; p. 299.
- Electromagnets and solenoids, Means for controlling. L. L. Tatum. No. 1,077,319; Nov. 4; Gaz. vol. 196; p. 28.
- Electromagnets, Means for winding. A. Sundh. No. 1,066,676; July 8; Gaz. vol. 192; p. 299.
- Electromagnetic apparatus. J. C. Lincoln. No. 1,063,170; May 27; Gaz. vol. 190; p. 997.
- Electromagnetic brake. W. D. Lutz. No. 1,066,742; July 8; Gaz. vol. 192; p. 324.
- Electromagnetic device. M. F. Geer and R. C. Leake. No. 1,071,905; Sept. 2; Gaz. vol. 194; p. 81.
- Electromagnetic device. S. C. Bryant. No. 1,076,481; Oct. 21; Gaz. vol. 195; p. 708.
- Electromagnetic motor. G. M. Mayer. No. 1,054,783; Mar. 4; Gaz. vol. 188; p. 45.
- Electromagnetic motor. H. A. Rhodes. No. 1,069,291; Aug. 5; Gaz. vol. 193; p. 71.
- Electromagnetic motor. A. I. V. Wilson. No. 1,077,179; Oct. 28; Gaz. vol. 195; p. 1000.
- Electromagnetic receiver. T. C. Coykendall. No. 1,069,922; Aug. 12; Gaz. vol. 193; p. 317.
- Electromagnetic reciprocating motor. A. Le Blanc. No. 1,069,709; Aug. 12; Gaz. vol. 193; p. 243.
- Electromagnetic regulating or controlling means for valves or the like. T. J. and E. Rorke. No. 1,056,124; Mar. 18; Gaz. vol. 188; p. 565.
- Electromagnetic retaining device. G. Rekers. No. 1,075,441; Oct. 14; Gaz. vol. 195; p. 322.
- Electromagnetic separator. E. Langguth. No. 1,076,213; Oct. 21; Gaz. vol. 195; p. 613.
- Electromagnetic suspension, Device for. H. Zoelly. No. 1,081,260; Dec. 9; Gaz. vol. 197; p. 492.
- Electromagnetic switch. A. S. Cubitt. No. 1,071,886; Sept. 2; Gaz. vol. 194; p. 75.
- Electromagnetic switch, Automatic. J. N. Reynolds and A. F. Dixon. No. 1,076,149; Oct. 21; Gaz. vol. 195; p. 591.
- Electromagnetic waves, Apparatus for localizing the radiant point of. N. Tanaka. No. 1,069,355; Aug. 5; Gaz. vol. 193; p. 93.
- Electromechanical device. G. H. Rowe. No. 1,062,799; May 27; Gaz. vol. 190; p. 874.
- Electrometallurgical furnace. J. Westly. No. 1,050,189; Jan. 14; Gaz. vol. 186; p. 329.
- Electrometallurgical process of reducing metallic oxids. D. A. Lyon and E. R. Cox, Jr. No. 1,075,295; Oct. 7; Gaz. vol. 195; p. 246.

Alphabetical list of inventions—Continued.

- Electrometallurgical products, Treating. T. B. Allen and F. J. Tone. No. 1,061,255; May 13; Gaz. vol. 190; p. 273.
- Electromotive force, Means for controlling. H. W. Leonard. No. 1,061,192; May 6; Gaz. vol. 190; p. 215.
- Electromotor. C. R. Moore. No. 1,061,624; May 13; Gaz. vol. 190; p. 401.
- Electroplating device. L. Schulte. No. 1,077,646; Nov. 4; Gaz. vol. 196; p. 140.
- Electroplating pipes, Apparatus for. D. H. Murphy. No. 1,079,427; Nov. 25; Gaz. vol. 196; p. 846.
- Electroplating pipes, Apparatus for. D. H. Murphy. No. 1,079,428; Nov. 25; Gaz. vol. 196; p. 846.
- Electroplating plants, Appliance for. J. A. Fraser. No. 1,049,839; Jan. 7; Gaz. vol. 186; p. 177.
- Electropneumatic brake. W. V. Turner. No. 1,063,623; June 3; Gaz. vol. 191; p. 157.
- Electrotherapeutic appliance. W. B. Oliver. No. 1,049,759; Jan. 7; Gaz. vol. 186; p. 149.
- Electrotherapeutical apparatus. A. W. Neitro. No. 1,051,349; Jan. 21; Gaz. vol. 186; p. 761.
- Electrothermostatic regulator. J. G. Schuirmann. No. 1,074,215; Sept. 30; Gaz. vol. 194; p. 995.
- Electrotype-matrix-making machine. W. C. Huebner. No. 1,057,737; Apr. 1; Gaz. vol. 189; p. 46.
- Electrotype-molds, Machine for stopping out portions of. J. F. Gounley. No. 1,049,701; Jan. 7; Gaz. vol. 186; p. 131.
- Electrotype plate or cast cleaner or the like. G. H. Benedict. No. 1,072,902; Sept. 9; Gaz. vol. 194; p. 455.
- Electrotype-shells in the manufacture of electrotype-plates, Backing up. G. E. Dunton. No. 1,073,105; Sept. 16; Gaz. vol. 194; p. 563.
- Electrotyping-mold. A. J. Tizley. No. 1,063,749; June 3; Gaz. vol. 191; p. 200.
- Electrotyping-molds, Treating. G. E. Dunton. No. 1,083,066; Dec. 30; Gaz. vol. 197; p. 1205.
- Electrotyping, Preparing matrices for. W. H. Welsh. No. 1,049,787; Jan. 7; Gaz. vol. 186; p. 160.
- Elevating and lowering apparatus. C. Zetterlund. No. 1,060,394; Apr. 29; Gaz. vol. 189; p. 1188.
- Elevating device. L. J. Evans. No. 1,077,691; Nov. 4; Gaz. vol. 196; p. 155.
- Elevating-device boot structure. A. F. Meyer. No. 1,060,476; Apr. 29; Gaz. vol. 189; p. 1215.
- Elevating devices, Dump for. A. F. Meyer. No. 1,060,349; Apr. 29; Gaz. vol. 189; p. 1172.
- Elevating machinery. C. E. Leyda. No. 1,071,247; Aug. 26; Gaz. vol. 193; p. 840.
- Elevator: See Automobile-elevator; Bucket-chain elevator; Casing-elevator; Grain-elevator; Hydraulic elevator; Invalid-elevator; Man-lift elevator; Pan-elevator; Plunger-elevator; Portable elevator; Rope elevator; Sucker-rod elevator; Tobacco-elevator; Tray-elevator; Water-elevator.
- Elevator. B. R. Goggin. No. 1,051,576; Jan. 28; Gaz. vol. 186; p. 873.
- Elevator. H. C. Hilke. No. 1,053,391; Feb. 18; Gaz. vol. 187; p. 605.
- Elevator. A. C. Brantingham. No. 1,054,273; Feb. 25; Gaz. vol. 187; p. 942.
- Elevator. A. Brunelle. No. 1,054,900; Mar. 4; Gaz. vol. 188; p. 85.
- Elevator. S. Trepa. No. 1,057,303; Mar. 25; Gaz. vol. 188; p. 998.
- Elevator. A. L. Drake and C. Schlayer. No. 1,057,414; Apr. 1; Gaz. vol. 189; p. 8.
- Elevator. H. W. Forslund and J. Rice. No. 1,065,308; June 17; Gaz. vol. 191; p. 793.
- Elevator. A. B. Mayes. No. 1,065,544; June 24; Gaz. vol. 191; p. 912.
- Elevator. J. N. McCue. No. 1,065,956; July 1; Gaz. vol. 192; p. 18.
- Elevator. I. B. Ritter. No. 1,066,052; July 1; Gaz. vol. 192; p. 53.
- Elevator. G. H. Hulett. No. 1,066,113; July 1; Gaz. vol. 192; p. 74.
- Elevator. G. B. Read. No. 1,082,908; Dec. 30; Gaz. vol. 197; p. 1154.
- Elevator-alarm. J. C. A. Anderson. No. 1,061,514; May 13; Gaz. vol. 190; p. 362.
- Elevator automatic brake. J. E. Morgan. No. 1,069,457; Aug. 5; Gaz. vol. 193; p. 129.
- Elevator, Automatic plunger-. D. F. Morton. No. 1,081,690; Dec. 16; Gaz. vol. 197; p. 671.
- Elevator-brake. W. Carman. No. 1,064,287; June 10; Gaz. vol. 191; p. 417.
- Elevator-brake. W. Carman. No. 1,068,105; July 22; Gaz. vol. 192; p. 853.
- Elevator-bucket. O. B. Finn. No. 1,060,833; May 6; Gaz. vol. 190; p. 93.
- Elevator-bucket. H. J. Maguire. No. 1,077,844; Nov. 4; Gaz. vol. 196; p. 206.
- Elevator-cages, Protecting device for workmen upon. P. E. Lane and W. McCarthy. No. 1,070,617; Aug. 19; Gaz. vol. 193; p. 596.
- Elevator-car register. C. Schenck. No. 1,059,077; Apr. 15; Gaz. vol. 189; p. 662.
- Elevator-car register. C. Schenck. No. 1,059,078; Apr. 15; Gaz. vol. 189; p. 662.
- Elevator-car, Safety. J. H. Hall. No. 1,073,898; Sept. 23; Gaz. vol. 194; p. 860.
- Elevator-controller. C. O. Bosse. No. 1,062,433; May 20; Gaz. vol. 190; p. 711.
- Elevator-door controller, Pneumatic. E. N. Mills. No. 1,064,847; June 17; Gaz. vol. 191; p. 642.
- Elevator-door operating and locking device. W. J. Stilling. No. 1,081,873; Dec. 16; Gaz. vol. 197; p. 734.
- Elevator-door safety attachment. R. R. S. Dobson. No. 1,059,717; Apr. 22; Gaz. vol. 189; p. 914.
- Elevator-door safety device. E. L. Moseley and E. D. Mendenhall. No. 1,068,692; July 29; Gaz. vol. 192; p. 1095.
- Elevator doors and cars, Controlling mechanism for. H. C. Randall. No. 1,080,021; Dec. 2; Gaz. vol. 197; p. 35.
- Elevator-drag. A. T. Adams. No. 1,049,327; Jan. 7; Gaz. vol. 186; p. 3.
- Elevator-guide lubricator. B. E. Marshall. (Reissue.) No. 13,664; Dec. 30; Gaz. vol. 197; p. 1268.
- Elevator-guide-rail lubricator. G. Priggen. No. 1,052,171; Feb. 4; Gaz. vol. 187; p. 114.
- Elevator-guide shoe. G. Dunlap. No. 1,076,273; Oct. 21; Gaz. vol. 195; p. 632.
- Elevator-indicator. T. S. Maxwell. No. 1,077,416; Nov. 4; Gaz. vol. 196; p. 63.
- Elevator mechanism. A. W. Le Boeuf and J. B. Armistage. No. 1,080,569; Dec. 9; Gaz. vol. 197; p. 258.
- Elevator mechanism, Safety. J. M. Andrews. No. 1,071,497; Aug. 26; Gaz. vol. 193; p. 922.
- Elevator-operating mechanism. B. R. Goggin. No. 1,071,309; Aug. 26; Gaz. vol. 193; p. 860.
- Elevator safety appliance. C. Rager. No. 1,050,391; Jan. 14; Gaz. vol. 186; p. 399.
- Elevator safety appliance. E. Didier. No. 1,072,835; Sept. 9; Gaz. vol. 194; p. 429.
- Elevator safety attachment. H. J. Piepgras. No. 1,081,771; Dec. 16; Gaz. vol. 197; p. 700.
- Elevator safety-catch. J. Tarro. No. 1,064,027; June 10; Gaz. vol. 191; p. 328.
- Elevator safety device. B. and C. E. Baumer. No. 1,050,599; Jan. 14; Gaz. vol. 186; p. 472.
- Elevator safety device. J. J. Jones. No. 1,050,949; Jan. 21; Gaz. vol. 186; p. 626.
- Elevator safety device. B. Baumann and W. M. Dawson. No. 1,051,945; Feb. 4; Gaz. vol. 187; p. 34.
- Elevator safety device. B. and C. E. Baumer. No. 1,055,252; Mar. 4; Gaz. vol. 188; p. 199.
- Elevator safety device. N. Johann. No. 1,057,432; Apr. 1; Gaz. vol. 189; p. 14.
- Elevator safety device. A. A. Collins. No. 1,058,154; Apr. 8; Gaz. vol. 189; p. 305.
- Elevator safety device. H. F. Gurney. No. 1,058,299; Apr. 8; Gaz. vol. 189; p. 354.
- Elevator safety device. I. Hiz6. No. 1,059,730; Apr. 22; Gaz. vol. 189; p. 918.
- Elevator safety device. M. M. Da Costa. No. 1,060,324; Apr. 29; Gaz. vol. 189; p. 1163.
- Elevator safety device. M. Schnur. No. 1,062,611; May 27; Gaz. vol. 190; p. 813.
- Elevator safety device. H. Notthoff. No. 1,071,078; Aug. 26; Gaz. vol. 193; p. 783.
- Elevator safety device. H. Notthoff. No. 1,071,079; Aug. 26; Gaz. vol. 193; p. 784.
- Elevator safety device. O. Volz. No. 1,076,085; Oct. 21; Gaz. vol. 195; p. 569.
- Elevator safety device. M. C. Hutchings. No. 1,080,450; Dec. 2; Gaz. vol. 197; p. 187.
- Elevator safety device. H. Phillips. No. 1,080,846; Dec. 9; Gaz. vol. 197; p. 356.
- Elevator safety device. A. Kalnasi. No. 1,081,312; Dec. 16; Gaz. vol. 197; p. 547.
- Elevator safety devices, Actuating mechanism for. H. F. Gurney and A. M. Coyle. No. 1,058,670; Apr. 8; Gaz. vol. 189; p. 482.
- Elevator safety-gate, Freight-. G. W. Underwood. No. 1,064,791; June 17; Gaz. vol. 191; p. 624.
- Elevator safety indicator and control. P. T. Kenny. No. 1,054,923; Mar. 4; Gaz. vol. 188; p. 91.
- Elevator safety-stop. J. Moskal. No. 1,061,103; May 6; Gaz. vol. 190; p. 186.
- Elevator safety-stop. J. Hoffer. No. 1,072,008; Sept. 2; Gaz. vol. 194; p. 117.
- Elevator-shaft safety equipment. S. L. Richards. No. 1,071,579; Aug. 26; Gaz. vol. 193; p. 949.
- Elevator-shafts, Automatic gate for mine. M. W. Harvey. No. 1,055,633; Mar. 11; Gaz. vol. 188; p. 364.
- Elevator-signal. M. C. Schwab. No. 1,052,285; Feb. 4; Gaz. vol. 187; p. 152.
- Elevator-valve mechanism. T. Larsson. No. 1,082,882; Dec. 30; Gaz. vol. 197; p. 1144.
- Elevators, Automatic device for. L. O. Harbaugh. No. 1,050,648; Jan. 14; Gaz. vol. 186; p. 487.
- Elevators, Bucket-line for oil and water. S. W. Mack. No. 1,056,347; Mar. 18; Gaz. vol. 188; p. 638.
- Elevators, Cable-release for. S. H. Dolph. No. 1,073,968; Sept. 23; Gaz. vol. 194; p. 884.
- Elevators, Car-switch controller for electric. A. Sundh. No. 1,066,678; July 8; Gaz. vol. 192; p. 300.

Alphabetical list of inventions—Continued.

- Elevators, Device for releasing persons caught by. M. F. Silvia and E. J. Shallow. No. 1,062,667; May 27; Gaz. vol. 190; p. 831.
- Elevators, Fluid buffer device for. F. C. Furlow. No. 1,064,204; June 10; Gaz. vol. 191; p. 389.
- Elevators, Safety slow-down and stop motion for electric. D. Larson. No. 1,058,308; Apr. 8; Gaz. vol. 189; p. 357.
- Elevators, Speed-regulator for traction. E. S. Matthews. No. 1,072,138; Sept. 2; Gaz. vol. 194; p. 161.
- Ellipsograph. W. S. Elliott. No. 1,055,303; Mar. 4; Gaz. vol. 188; p. 216.
- Ellipsograph and routing-machine. O. H. Bonner. No. 1,058,537; Apr. 8; Gaz. vol. 189; p. 437.
- Ellipsograph and square, Combined. S. Levine. No. 1,069,555; Aug. 5; Gaz. vol. 193; p. 161.
- Emasculator. E. D. Douglass. No. 1,062,087; May 20; Gaz. vol. 190; p. 596.
- Emasculator. E. D. Douglass. No. 1,062,146; May 20; Gaz. vol. 190; p. 616.
- Embalmer's instrument. S. F. Jones. No. 1,071,429; Aug. 26; Gaz. vol. 193; p. 900.
- Embalming apparatus. J. J. Roberts. No. 1,059,070; Apr. 15; Gaz. vol. 189; p. 659.
- Embalming-pump. R. J. Holzhausen. No. 1,065,129; June 17; Gaz. vol. 191; p. 734.
- Embankment, Artificial. E. H. Nies. No. 1,060,357; Apr. 29; Gaz. vol. 189; p. 1175.
- Embossing and cutting device. J. E. Burghoff and J. B. Wilks. No. 1,055,872; Mar. 11; Gaz. vol. 188; p. 446.
- Embossing device and pocket-clasp, Combination. J. Jachens. No. 1,064,735; June 17; Gaz. vol. 191; p. 606.
- Embossing-presses, Device for bridging recesses in cylinders of. W. B. Walt. No. 1,050,411; Jan. 14; Gaz. vol. 186; p. 405.
- Embossing-presses, Sheet-feeding mechanism for. A. Breidenberg. No. 1,053,566; Feb. 18; Gaz. vol. 187; p. 666.
- Embroidered apparel. W. Freed. No. 1,067,728; July 15; Gaz. vol. 192; p. 694.
- Embroideries, Production of. J. Groetschel. No. 1,067,605; July 15; Gaz. vol. 192; p. 652.
- Embroidering-machine. C. Walther. No. 1,052,194; Feb. 4; Gaz. vol. 187; p. 122.
- Embroidering-machine. J. L. Schwizer. No. 1,056,841; Mar. 25; Gaz. vol. 188; p. 839.
- Embroidering-machine. K. Keller. No. 1,059,878; Apr. 22; Gaz. vol. 189; p. 965.
- Embroidering-machine. A. Nufer. No. 1,069,460; Aug. 5; Gaz. vol. 193; p. 130.
- Embroidering-machine. M. Schoenfeld. No. 1,071,095; Aug. 26; Gaz. vol. 193; p. 789.
- Embroidering-machine. K. Keller. No. 1,073,765; Sept. 23; Gaz. vol. 194; p. 816.
- Embroidering-machine. B. Saner. No. 1,078,881; Nov. 18; Gaz. vol. 196; p. 629.
- Embroidering-machine accessory. E. Mettler, Sr. and Jr. No. 1,067,128; July 8; Gaz. vol. 192; p. 452.
- Embroidering-machine, Automatic. K. Eggart. No. 1,055,893; Mar. 11; Gaz. vol. 188; p. 452.
- Embroidering-machine, Automatic. K. Eggart. No. 1,069,640; Aug. 5; Gaz. vol. 193; p. 189.
- Embroidering-machine, Automatic. H. Saurer. No. 1,072,510; Sept. 9; Gaz. vol. 194; p. 314.
- Embroidering-machine, Automatic. K. Eggart. No. 1,081,591; Dec. 16; Gaz. vol. 197; p. 640.
- Embroidering-machine counterbalancing mechanism. J. A. Groebli. No. 1,066,491; July 8; Gaz. vol. 192; p. 234.
- Embroidering-machine, Crank hemstitch. D. Noble. No. 1,058,892; Apr. 15; Gaz. vol. 189; p. 598.
- Embroidering-machine, Hand. W. A. Radoush. No. 1,076,909; Oct. 28; Gaz. vol. 195; p. 912.
- Embroidering-machine, Jacquard. R. Zahn. No. 1,063,492; June 3; Gaz. vol. 191; p. 109.
- Embroidering-machine, Jacquard. R. Zahn. No. 1,065,095; June 17; Gaz. vol. 191; p. 723.
- Embroidering-machine, Jacquard. K. Keller. No. 1,082,228; Dec. 23; Gaz. vol. 197; p. 883.
- Embroidering-machine shuttle. G. Bühler. No. 1,073,733; Sept. 23; Gaz. vol. 194; p. 805.
- Embroidering-machine, Shuttle. J. Groetschel. No. 1,080,550; Dec. 9; Gaz. vol. 197; p. 253.
- Embroidering-machine, Shuttle. R. Zahn. No. 1,082,456; Dec. 23; Gaz. vol. 197; p. 961.
- Embroidering-machine tambour-frame. K. Keller. No. 1,066,914; July 8; Gaz. vol. 192; p. 381.
- Embroidering-machine tension device. M. Schoenfeld. No. 1,062,014; Feb. 4; Gaz. vol. 187; p. 58.
- Embroidering machines, Apparatus for producing jacquard-cards for automatic. H. Saurer. No. 1,057,581; Apr. 1; Gaz. vol. 189; p. 62.
- Embroidering-machines, Automatic stop mechanism for jacquard. R. Zahn. No. 1,049,556; Jan. 7; Gaz. vol. 186; p. 82.
- Embroidering-machines, Counterbalancing mechanism for. J. A. Groebli. No. 1,073,342; Sept. 16; Gaz. vol. 194; p. 647.
- Embroidering-machines, Device for preparing jacquard-cards of. H. Saurer. No. 1,059,569; Apr. 22; Gaz. vol. 189; p. 867.
- Embroidering-machines, Fabric-frame of. K. Keller. No. 1,074,870; Oct. 7; Gaz. vol. 195; p. 95.
- Embroidering-machines, Jacquard apparatus for. V. Kobler. No. 1,059,880; Apr. 22; Gaz. vol. 189; p. 966.
- Embroidering-machines, Jacquard mechanism for. R. Zahn. No. 1,074,565; Sept. 30; Gaz. vol. 194; p. 1109.
- Embroidering-machines, Needle-holding attachment for. B. W. Keller. No. 1,067,818; July 22; Gaz. vol. 192; p. 757.
- Embroidering-machines, Pantograph-balancing mechanism for. W. A. Stellmacher. No. 1,068,284; July 22; Gaz. vol. 192; p. 917.
- Embroidery along an embroidered edge, Device for cutting. J. Wolter and A. Belz. No. 1,069,837; Aug. 12; Gaz. vol. 193; p. 288.
- Embroidery, Apparatus for producing machine. K. Eggart. No. 1,051,492; Jan. 28; Gaz. vol. 186; p. 844.
- Embroidery-cutting machine. M. Schoenfeld. No. 1,071,959; Sept. 2; Gaz. vol. 194; p. 98.
- Embroidery, Device for inserting ribbon in. D. Schuler. No. 1,051,521; Jan. 28; Gaz. vol. 186; p. 854.
- Embroidery filler-form. G. Reis. No. 1,063,734; June 3; Gaz. vol. 191; p. 196.
- Embroidery-frame. J. Nitschman. No. 1,073,511; Sept. 16; Gaz. vol. 194; p. 704.
- Embroidery-frame. A. H. Altfuldisch. No. 1,077,211; Oct. 28; Gaz. vol. 195; p. 1011.
- Embroidery-frame. G. Duncan. No. 1,079,042; Nov. 18; Gaz. vol. 196; p. 686.
- Embroidery-hoop. C. E. Belding. No. 1,056,966; Mar. 25; Gaz. vol. 188; p. 884.
- Embroidery-hoop. L. Gibbs. No. 1,059,143; Apr. 15; Gaz. vol. 189; p. 685.
- Embroidery-hoop. V. Beauregard. No. 1,072,687; Sept. 9; Gaz. vol. 194; p. 376.
- Embroidery-hoop. R. H. Keagy. No. 1,077,987; Nov. 11; Gaz. vol. 196; p. 288.
- Embroidery-hoop. A. N. Thomas. No. 1,078,809; Nov. 18; Gaz. vol. 196; p. 604.
- Embroidery-hoop support. H. J. Reinartz. No. 1,061,325; May 13; Gaz. vol. 190; p. 297.
- Embroidery in layers, Apparatus for winding strips of. M. Schoenfeld. No. 1,052,015; Feb. 4; Gaz. vol. 187; p. 59.
- Embroidery-machine, Shuttle. A. Keller. No. 1,057,557; Apr. 1; Gaz. vol. 189; p. 55.
- Embroidery-machine, Shuttle. A. Keller. No. 1,057,558; Apr. 1; Gaz. vol. 189; p. 55.
- Embroidery-machine thread catching and severing device. A. Keller. No. 1,080,914; Dec. 9; Gaz. vol. 197; p. 378.
- Embroidery-machine thread catching and severing means. Shuttle. A. Keller. No. 1,080,915; Dec. 9; Gaz. vol. 197; p. 379.
- Embroidery-machines, Fabric-frame for. C. Koehler. No. 1,072,623; Sept. 9; Gaz. vol. 194; p. 354.
- Embroidery-machines, Tambour-frame-operating mechanism for. G. Hübner. No. 1,076,369; Oct. 21; Gaz. vol. 195; p. 668.
- Embroidery-machines, Thread-tensioning device for. A. Keller. No. 1,057,559; Apr. 1; Gaz. vol. 189; p. 56.
- Embroidery-pattern. W. T. Jefferson. No. 1,067,923; July 22; Gaz. vol. 192; p. 792.
- Emergency-brake, High-pressure. W. V. Turner. No. 1,078,016; Nov. 11; Gaz. vol. 196; p. 297.
- Emery-wheel bench-grinder. J. F. Pribnow. No. 1,081,465; Dec. 16; Gaz. vol. 197; p. 599.
- Emery-wheel guard. S. T. Hill. No. 1,071,049; Aug. 26; Gaz. vol. 193; p. 774.
- Emery-wheel guard. C. F. Landolt. No. 1,079,180; Nov. 18; Gaz. vol. 196; p. 733.
- Emery-wheels, &c., Device for cleaning and truing. F. M. Courser. No. 1,078,258; Nov. 11; Gaz. vol. 196; p. 380.
- Empty and load brake. W. V. Turner. No. 1,075,389; Oct. 14; Gaz. vol. 195; p. 305.
- Emulsion, High-per-cent. salvarsan. C. Schindler. No. 1,051,520; Jan. 28; Gaz. vol. 186; p. 854.
- Emulsions, Arrangement for mixing. E. Schmidt. No. 1,062,554; May 20; Gaz. vol. 190; p. 750.
- Emulsions formed by aqueous liquids with fatty substances of any kind, Rapidly separating. A. Rost. No. 1,050,696; Jan. 14; Gaz. vol. 186; p. 502.
- Enamel from enameled goods, Removing. G. Spitz. No. 1,065,401; June 24; Gaz. vol. 191; p. 862.
- Enamel from useless enameled utensils, Removing the. G. Spitz. No. 1,055,678; Mar. 11; Gaz. vol. 188; p. 379.
- Enameled articles, Making. W. L. Shepard. No. 1,072,047; Sept. 2; Gaz. vol. 194; p. 129.
- End and side clip. W. B. Story. No. 1,078,966; Nov. 18; Gaz. vol. 196; p. 656.
- End-cell switch. J. W. Achard. No. 1,067,573; July 15; Gaz. vol. 192; p. 640.
- End-gate. R. Saltzman. No. 1,058,266; Apr. 8; Gaz. vol. 189; p. 344.
- End-gate and scoop-board, Combined. A. M. Allemang. No. 1,075,804; Oct. 14; Gaz. vol. 195; p. 445.
- End-gate cleat. J. A. Cheney. No. 1,066,996; July 8; Gaz. vol. 192; p. 408.
- End-gate fastener. G. W. Gilliam. No. 1,051,730; Jan. 28; Gaz. vol. 186; p. 923.

Alphabetical list of inventions—Continued.

- End-gate fastener, Vehicle. J. Kindl. No. 1,052,150; Feb. 4; Gaz. vol. 187; p. 106.
- End-gate holder. S. E. Simpson. No. 1,060,715; May 6; Gaz. vol. 190; p. 53.
- End-gate, Truck. W. C. Carr. No. 1,066,464; July 8; Gaz. vol. 192; p. 224.
- End-gate, Wagon. M. Ryan. No. 1,061,409; May 13; Gaz. vol. 190; p. 325.
- End-gate, Wagon. E. Bailey. No. 1,068,296; July 22; Gaz. vol. 192; p. 921.
- End-play device. G. W. Christians. No. 1,067,864; July 22; Gaz. vol. 192; p. 773.
- End sill. C. T. Westlake. No. 1,065,645; June 24; Gaz. vol. 191; p. 946.
- End wrench. D. M. Brumfiel and P. G. Wright. No. 1,074,160; Sept. 30; Gaz. vol. 194; p. 977.
- Energy derived from explosions, Apparatus for utilizing. W. H. Smyth. No. 1,064,179; June 10; Gaz. vol. 191; p. 381.
- Energy derived from rapid combustion, Utilizing. W. H. Smyth. No. 1,064,178; June 10; Gaz. vol. 191; p. 380.
- Engine. See Aeronautic engine; Air-engine; Articulated engine; Beating-engine; Cable-hauling engine; Caloric engine; Combustion-engine; Dental engine; Direct-acting engine; Electric heat-engine; Explosion-engine; Explosive-engine; Fire-engine; Fluid-engine; Fluid-expansion engine; Fluid-operated engine; Fluid-pressure engine; Four-cycle engine; Gas-engine; Gasolene-engine; Heat engine; Hydraulic engine; Impact-engine; Internal-combustion engine; Internal-combustion and liquid-actuated engine; Internal-combustion turbine-engine; Internal percussive engine; Locomotive-engine; Locomotive or traction-engine; Multiple-expansive engine; Oil-engine; Oscillating engine; Propelling engine; Reciprocating engine; Reciprocating-piston engine; Rock-drill engine; Rock-drilling engine; Rotary engine; Rotary combustion-engine; Rotary explosive-engine; Rotary internal-combustion engine; Rotary steam-engine; Single-acting engine; Slide-valve engine; Steam-engine; Traction-engine; Turbine-engine; Two-cycle engine; Vapor-engine.
- Engine. F. Homan and W. E. Smith. No. 1,050,655; Jan. 14; Gaz. vol. 186; p. 489.
- Engine. U. E. Ludwick. No. 1,053,414; Feb. 18; Gaz. vol. 187; p. 614.
- Engine. N. B. Mitchell and J. W. Taggart, Sr. No. 1,060,202; Apr. 29; Gaz. vol. 189; p. 1118.
- Engine. A. C. Hall. No. 1,063,537; June 3; Gaz. vol. 191; p. 123.
- Engine. L. Schwitzer. No. 1,064,095; June 10; Gaz. vol. 191; p. 351.
- Engine. C. T. Loughton. No. 1,066,740; July 8; Gaz. vol. 192; p. 323.
- Engine. F. J. Zellar. No. 1,067,705; July 15; Gaz. vol. 192; p. 686.
- Engine. C. A. Collins. No. 1,072,701; Sept. 9; Gaz. vol. 194; p. 381.
- Engine. E. Rathbun. No. 1,073,629; Sept. 23; Gaz. vol. 194; p. 766.
- Engine. F. E. Cain. No. 1,075,962; Oct. 14; Gaz. vol. 195; p. 499.
- Engine. J. D. Kneedler. No. 1,077,724; Nov. 4; Gaz. vol. 196; p. 164.
- Engine. F. W. Ruggles. No. 1,079,364; Nov. 25; Gaz. vol. 196; p. 824.
- Engine. E. Rathbun. No. 1,079,440; Nov. 25; Gaz. vol. 196; p. 849.
- Engine. E. W. Fletcher. No. 1,080,272; Dec. 2; Gaz. vol. 197; p. 124.
- Engine. J. B. Donovan. No. 1,081,217; Dec. 9; Gaz. vol. 197; p. 476.
- Engine and compressor, Convertible. J. S. Clarke. No. 1,055,611; Mar. 11; Gaz. vol. 188; p. 356.
- Engine and magneto assembly. E. A. Nelson. No. 1,071,781; Sept. 2; Gaz. vol. 194; p. 39.
- Engine automatic starting device, Explosive. J. P. Smithers. No. 1,066,424; July 1; Gaz. vol. 192; p. 180.
- Engine automatic steering device, Traction. E. M. Wheelock. No. 1,052,869; Feb. 11; Gaz. vol. 187; p. 382.
- Engine bolt, Internal-combustion. D. V. Ashley. No. 1,059,103; Apr. 15; Gaz. vol. 189; p. 672.
- Engine cab, Locomotive. W. J. Goelz. No. 1,069,689; Aug. 12; Gaz. vol. 193; p. 236.
- Engine cleaner, Combustion. G. Calvert. No. 1,053,007; Feb. 11; Gaz. vol. 187; p. 429.
- Engine, Combining air and gas and utilizing the same in an internal-combustion. G. A. Bachmann. No. 1,054,080; Feb. 25; Gaz. vol. 187; p. 877.
- Engine control. H. J. Farchman. No. 1,055,217; Mar. 4; Gaz. vol. 188; p. 188.
- Engine-control device, Steam. J. and J. R. Wigham. No. 1,061,932; May 13; Gaz. vol. 190; p. 501.
- Engine-controller mechanism, Explosion. C. Schmidt. No. 1,062,738; May 27; Gaz. vol. 190; p. 853.
- Engine-controlling device, Internal-combustion. E. P. Robinson. No. 1,059,317; Apr. 15; Gaz. vol. 189; p. 743.
- Engine-controlling device, Internal-combustion. E. D. Kendall. No. 1,073,051; Sept. 9; Gaz. vol. 194; p. 507.
- Engine cooler, Explosive. W. Woodward. No. 1,081,880; Dec. 16; Gaz. vol. 197; p. 737.
- Engine-cooling apparatus, Internal-combustion. E. de Normandie. No. 1,082,233; Dec. 23; Gaz. vol. 197; p. 886.
- Engine-cooling device. G. W. Marsh. No. 1,077,414; Nov. 4; Gaz. vol. 196; p. 62.
- Engine-cooling means, Combustion. H. S. Wheeler. No. 1,064,581; June 10; Gaz. vol. 191; p. 518.
- Engine-cooling means, Internal-combustion. G. Westinghouse. No. 1,073,197; Sept. 16; Gaz. vol. 194; p. 594.
- Engine-cooling system. P. Daimler. No. 1,066,714; July 8; Gaz. vol. 192; p. 313.
- Engine-cooling system, Internal-combustion. L. S. Hackney. No. 1,075,351; Oct. 14; Gaz. vol. 195; p. 290.
- Engine-cooling system, Internal-combustion. C. W. Baker. No. 1,076,736; Oct. 28; Gaz. vol. 195; p. 851.
- Engine-coupling pocket. W. E. Coffin. No. 1,051,863; Feb. 4; Gaz. vol. 187; p. 6.
- Engine-crank cases, Lubricant-indicator for. G. D. Buck. No. 1,068,626; July 29; Gaz. vol. 192; p. 1073.
- Engine-cranking device. O. T. Isaacson. No. 1,067,657; July 15; Gaz. vol. 192; p. 670.
- Engine-cranking device, Internal-combustion. J. F. O'Bert. No. 1,077,291; Nov. 4; Gaz. vol. 196; p. 16.
- Engine-cylinder. J. W. Cruzan. No. 1,080,894; Dec. 9; Gaz. vol. 197; p. 372.
- Engine cylinder, Gas. T. W. Keen. No. 1,057,741; Apr. 1; Gaz. vol. 189; p. 118.
- Engine cylinder-head, Steam. W. L. Reid. No. 1,066,321; July 1; Gaz. vol. 192; p. 148.
- Engine-cylinders with explosive gas, Means for charging. O. M. Macker. No. 1,064,368; June 10; Gaz. vol. 191; p. 444.
- Engine exhaust, Marine. A. Mathis. No. 1,054,301; Feb. 25; Gaz. vol. 187; p. 951.
- Engine expansion-gear, Steam. J. Davidson and W. O. Larmuth. No. 1,049,814; Jan. 7; Gaz. vol. 186; p. 169.
- Engine fuel-gasifier, Internal-combustion. H. Fuchs. No. 1,081,228; Dec. 9; Gaz. vol. 197; p. 480.
- Engine fuel-pump, Internal-combustion. A. H. Hoadley. No. 1,080,216; Dec. 2; Gaz. vol. 197; p. 104.
- Engine fuel-supply regulator, Internal-combustion. A. E. Bray. No. 1,080,887; Dec. 9; Gaz. vol. 197; p. 369.
- Engine-gear. C. E. Greenleaf. No. 1,051,837; Jan. 28; Gaz. vol. 186; p. 958.
- Engine-hood cover. C. D. Miller. No. 1,054,592; Feb. 25; Gaz. vol. 187; p. 1052.
- Engine igniter, Explosive. H. G. Kroeger. No. 1,058,371; Apr. 8; Gaz. vol. 189; p. 381.
- Engine igniter, Gas. S. F. Briggs. No. 1,050,799; Jan. 21; Gaz. vol. 186; p. 571.
- Engine igniter, Internal-combustion. M. P. Ryder. No. 1,067,275; July 15; Gaz. vol. 192; p. 540.
- Engine igniter, Internal-combustion. H. Reiche. No. 1,068,930; July 29; Gaz. vol. 192; p. 1181.
- Engine igniter, Internal-combustion. F. D. Winkley. No. 1,070,649; Aug. 19; Gaz. vol. 193; p. 607.
- Engine igniting device, Gas. R. V. Cornell. No. 1,070,874; Aug. 19; Gaz. vol. 193; p. 681.
- Engine igniting mechanism, Explosive. W. F. Davis. No. 1,065,923; July 1; Gaz. vol. 192; p. 6.
- Engine igniting mechanism, Internal-combustion. A. L. Moeller. No. 1,069,561; Aug. 5; Gaz. vol. 193; p. 163.
- Engine-indicator. J. W. Sheperdson. No. 1,056,950; Mar. 25; Gaz. vol. 188; p. 879.
- Engine-lubricating device, Internal-combustion. C. S. Bavier. No. 1,057,112; Mar. 25; Gaz. vol. 188; p. 935.
- Engine-lubricating means, Internal-combustion. L. Renault. No. 1,055,558; Mar. 11; Gaz. vol. 188; p. 339.
- Engine-lubricating system, Gas. J. P. Farnam. No. 1,077,823; Nov. 4; Gaz. vol. 196; p. 199.
- Engine-lubricating system, Rotary. W. I. Twombly. No. 1,073,374; Sept. 16; Gaz. vol. 194; p. 657.
- Engine-lubricator. E. A. Nelson. No. 1,050,985; Jan. 21; Gaz. vol. 186; p. 639.
- Engine-mounting. C. E. Brooks. No. 1,056,253; Mar. 18; Gaz. vol. 188; p. 609.
- Engine mounting for geared locomotives, Steam. L. E. Feightner. No. 1,075,705; Oct. 14; Gaz. vol. 195; p. 411.
- Engine-muffler. J. M. Smith. No. 1,053,661; Feb. 18; Gaz. vol. 187; p. 698.
- Engine-muffler. C. E. De Witt. No. 1,061,272; May 13; Gaz. vol. 190; p. 278.
- Engine muffler or silencer, Gas. C. H. Kenney. No. 1,074,627; Oct. 7; Gaz. vol. 195; p. 14.
- Engine or motor. J. P. Barker. No. 1,073,656; Sept. 23; Gaz. vol. 194; p. 777.
- Engine piston-cooling device, Internal-combustion. K. Steinbecker. No. 1,063,615; June 3; Gaz. vol. 191; p. 153.
- Engine piston-ring, Internal-combustion. G. R. Rich. No. 1,082,172; Dec. 23; Gaz. vol. 197; p. 863.
- Engine plant, Marine. A. Büchi. No. 1,051,308; Jan. 21; Gaz. vol. 186; p. 749.
- Engine-platform. E. Pahl. No. 1,077,549; Nov. 4; Gaz. vol. 196; p. 108.
- Engine plow-stopper, Traction. T. M. Gandy and O. O. Heggelien. No. 1,053,286; Feb. 18; Gaz. vol. 187; p. 570.

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- Engine-primer, F. Fagerberg. No. 1,081,900; Dec. 16; Gaz. vol. 197; p. 742.
- Engine primer, Gasolene-. C. A. Brooks and E. G. Kinley. No. 1,072,304; Sept. 2; Gaz. vol. 194; p. 214.
- Engine primer, Internal-combustion-. G. F. Fischer. No. 1,071,038; Aug. 26; Gaz. vol. 193; p. 769.
- Engine primer, Internal-combustion-. W. J. Presley. No. 1,076,783; Oct. 28; Gaz. vol. 195; p. 868.
- Engine priming attachment, Explosive-. W. Jay. No. 1,081,534; Dec. 16; Gaz. vol. 197; p. 623.
- Engine-priming device, Explosive-. P. McDaniel and W. F. Kernodle. No. 1,064,150; June 10; Gaz. vol. 191; p. 371.
- Engine-priming device, Internal-combustion-. G. R. Wadsworth. No. 1,069,502; Aug. 5; Gaz. vol. 193; p. 144.
- Engine reversing-gear, Multiple-expansion-steam-. J. G. Maxwell. No. 1,078,299; Nov. 11; Gaz. vol. 196; p. 396.
- Engine-reversing means, Internal-combustion-. A. E. L. Chorlton. No. 1,082,068; Dec. 23; Gaz. vol. 197; p. 830.
- Engine-reversing mechanism. A. Ball. No. 1,061,586; May 13; Gaz. vol. 190; p. 389.
- Engine safety cranking device. A. Schreck. No. 1,057,888; Apr. 1; Gaz. vol. 189; p. 169.
- Engine safety cranking device, Explosive-. J. O. Stanley. No. 1,073,058; Sept. 9; Gaz. vol. 194; p. 509.
- Engine safety device, Automobile-. A. F. Bunting and J. Mohn. No. 1,066,793; July 8; Gaz. vol. 192; p. 340.
- Engine safety device, Internal-combustion-. B. Lemp. No. 1,080,765; Dec. 9; Gaz. vol. 197; p. 326.
- Engine self-steering mechanism, Traction-. L. E. Youngquist. No. 1,081,881; Dec. 16; Gaz. vol. 197; p. 737.
- Engine-silencer. C. H. Newton and E. S. Canfield. No. 1,061,775; May 13; Gaz. vol. 190; p. 450.
- Engine silencer, Gas-. T. B. Haugen. No. 1,070,600; Aug. 19; Gaz. vol. 193; p. 591.
- Engine spark-producing mechanism, Internal-combustion-. L. T. Rhoades. No. 1,057,009; Mar. 25; Gaz. vol. 188; p. 898.
- Engine sparking device, Explosive-. W. S. Liming. No. 1,063,455; June 3; Gaz. vol. 191; p. 96.
- Engine speed-regulator. C. C. Lower. No. 1,068,350; July 22; Gaz. vol. 192; p. 940.
- Engine-starter. C. H. Cuno. No. 1,049,679; Jan. 7; Gaz. vol. 186; p. 123.
- Engine-starter. J. W. FitzGerald. No. 1,051,207; Jan. 21; Gaz. vol. 186; p. 713.
- Engine-starter. J. Liebfried. No. 1,055,978; Mar. 11; Gaz. vol. 188; p. 480.
- Engine-starter. P. W. Hodgkinson. No. 1,056,417; Mar. 18; Gaz. vol. 188; p. 663.
- Engine-starter. P. W. Hodgkinson. No. 1,056,418; Mar. 18; Gaz. vol. 188; p. 663.
- Engine-starter. G. J. Spohrer. No. 1,056,600; Mar. 18; Gaz. vol. 188; p. 728.
- Engine-starter. J. D. Kneedler. No. 1,056,799; Mar. 25; Gaz. vol. 188; p. 825.
- Engine-starter. C. J. Coleman. No. 1,356,972; Mar. 25; Gaz. vol. 188; p. 885.
- Engine-starter. R. J. MacLaren. No. 1,058,247; Apr. 8; Gaz. vol. 189; p. 336.
- Engine-starter. E. D. Bangs. No. 1,061,719; May 13; Gaz. vol. 190; p. 434.
- Engine-starter. G. J. Spohrer. No. 1,063,141; May 27; Gaz. vol. 190; p. 987.
- Engine-starter. A. C. Morgan. No. 1,065,708; June 24; Gaz. vol. 191; p. 967.
- Engine-starter. P. W. Hodgkinson. No. 1,066,014; July 1; Gaz. vol. 192; p. 38.
- Engine-starter. W. G. Black and E. R. St. John. No. 1,066,985; July 8; Gaz. vol. 192; p. 404.
- Engine-starter. A. O. Levick and W. H. Hussey. No. 1,071,444; Aug. 26; Gaz. vol. 193; p. 905.
- Engine-starter. G. J. Spohrer. No. 1,072,267; Sept. 2; Gaz. vol. 194; p. 202.
- Engine-starter. E. F. Wells. No. 1,075,525; Oct. 14; Gaz. vol. 195; p. 350.
- Engine-starter. J. Hume. No. 1,075,975; Oct. 14; Gaz. vol. 195; p. 504.
- Engine-starter. J. D. Kneedler. No. 1,077,841; Nov. 4; Gaz. vol. 196; p. 205.
- Engine-starter. G. W. Roth. No. 1,077,858; Nov. 4; Gaz. vol. 196; p. 211.
- Engine-starter. F. Gahm. No. 1,080,335; Dec. 2; Gaz. vol. 197; p. 146.
- Engine-starter. C. H. Myers. No. 1,080,772; Dec. 9; Gaz. vol. 197; p. 328.
- Engine-starter. C. H. Myers. No. 1,080,773; Dec. 9; Gaz. vol. 197; p. 329.
- Engine-starter. T. J. Gray. No. 1,081,268; Dec. 9; Gaz. vol. 197; p. 495.
- Engine-starter, Automobile. F. G. McKlveen and L. W. Naylor. No. 1,054,303; Feb. 25; Gaz. vol. 187; p. 952.
- Engine-starter, Automobile. C. Lynnock. No. 1,059,679; Apr. 22; Gaz. vol. 189; p. 902.
- Engine starter, Combustion-. C. Hunt. No. 1,050,026; Jan. 7; Gaz. vol. 186; p. 240.
- Engine-starter, Electrical. S. W. Rushmore. No. 1,079,725; Nov. 25; Gaz. vol. 196; p. 949.
- Engine starter, Explosive-. R. C. Hull. No. 1,050,739; Jan. 14; Gaz. vol. 186; p. 516.
- Engine starter, Explosive-. G. H. Kelley. No. 1,073,139; Sept. 16; Gaz. vol. 194; p. 573.
- Engine starter, Explosive-. M. C. Bright. No. 1,082,261; Dec. 23; Gaz. vol. 197; p. 896.
- Engine starter, Gas-. S. S. Krayner. No. 1,055,332; Mar. 11; Gaz. vol. 188; p. 264.
- Engine starter, Gas-. B. F. Cloud. No. 1,058,854; Apr. 8; Gaz. vol. 189; p. 443.
- Engine starter, Gas-. J. J. O'Leary. No. 1,060,487; Apr. 29; Gaz. vol. 189; p. 1219.
- Engine starter, Gas-. E. C. Allison. No. 1,063,901; June 3; Gaz. vol. 191; p. 250.
- Engine starter, Gas-. C. H. Cuno. No. 1,064,055; June 10; Gaz. vol. 191; p. 337.
- Engine starter, Gas-. B. N. Botts. No. 1,065,025; June 17; Gaz. vol. 191; p. 699.
- Engine starter, Gas-. S. S. Krayner. No. 1,071,059; Aug. 26; Gaz. vol. 193; p. 777.
- Engine starter, Gas-. E. D. Bangs. No. 1,077,386; Nov. 4; Gaz. vol. 196; p. 50.
- Engine starter, Gas-. C. H. Cuno. No. 1,078,260; Nov. 11; Gaz. vol. 196; p. 381.
- Engine starter, Gas-. C. E. Henning. No. 1,080,689; Dec. 9; Gaz. vol. 197; p. 298.
- Engine starter, Gasolene-. D. Fuhrer. No. 1,061,536; May 13; Gaz. vol. 190; p. 371.
- Engine starter, Hydrocarbon-. J. F. Kelly. No. 1,072,385; Sept. 2; Gaz. vol. 194; p. 242.
- Engine starter, Internal-combustion-. L. V. Moulton. No. 1,060,355; Apr. 29; Gaz. vol. 189; p. 1174.
- Engine starter, Internal-combustion-. D. W. Anderson. No. 1,061,716; May 13; Gaz. vol. 190; p. 433.
- Engine starter, Internal-combustion-. L. Schwitzer. No. 1,069,818; Aug. 12; Gaz. vol. 193; p. 281.
- Engine starter, Internal-combustion-. T. E. Plater and E. B. Rees. No. 1,071,260; Aug. 26; Gaz. vol. 193; p. 844.
- Engine starter, Internal-combustion-. W. R. Strickland. No. 1,074,990; Oct. 7; Gaz. vol. 195; p. 136.
- Engine starter, Internal-combustion-. S. G. Berry. No. 1,081,805; Dec. 16; Gaz. vol. 197; p. 711.
- Engine starter, Internal-combustion-. F. R. Simms. No. 1,083,221; Dec. 30; Gaz. vol. 197; p. 1252.
- Engine-starter, Spring-power. O. E. Wadewitz. No. 1,066,868; July 8; Gaz. vol. 192; p. 364.
- Engine starting and reversing apparatus, Internal-combustion-. J. Haug. No. 1,066,108; July 1; Gaz. vol. 192; p. 72.
- Engine-starting apparatus. E. A. Halbleib. No. 1,068,427; July 29; Gaz. vol. 192; p. 1004.
- Engine-starting apparatus. E. A. Halbleib. No. 1,072,002; Sept. 2; Gaz. vol. 194; p. 115.
- Engine-starting apparatus. E. A. Halbleib. No. 1,074,790; Oct. 7; Gaz. vol. 195; p. 70.
- Engine-starting apparatus, Multiple-cylinder-internal-combustion-. G. Honold. No. 1,063,541; June 3; Gaz. vol. 191; p. 125.
- Engine-starting device. H. M. Sheer. No. 1,065,850; June 24; Gaz. vol. 191; p. 1014.
- Engine-starting device. G. J. Burkhardt. No. 1,076,660; Oct. 28; Gaz. vol. 195; p. 823.
- Engine-starting device, Explosion-. A. V. Winegarden. No. 1,052,782; Feb. 11; Gaz. vol. 187; p. 351.
- Engine-starting device, Explosion-. H. E. Coffin. No. 1,060,820; May 6; Gaz. vol. 190; p. 88.
- Engine-starting device, Explosion-. W. F. Traves. No. 1,064,942; June 17; Gaz. vol. 191; p. 672.
- Engine-starting device, Explosive-. J. O. Hobbs. No. 1,076,120; Oct. 21; Gaz. vol. 195; p. 582.
- Engine-starting device, Explosive-. L. M. Mowe. No. 1,077,094; Oct. 28; Gaz. vol. 195; p. 975.
- Engine-starting device, Explosive-. R. E. Hammond and S. W. Forsman. No. 1,078,196; Nov. 11; Gaz. vol. 196; p. 359.
- Engine-starting device, Explosive-. B. B. Lewis. No. 1,082,885; Dec. 30; Gaz. vol. 197; p. 1145.
- Engine-starting device, Internal-combustion-. F. E. Eckhart. No. 1,051,807; Jan. 28; Gaz. vol. 186; p. 947.
- Engine-starting device, Internal-combustion-. A. C. Thompson. No. 1,056,380; Mar. 18; Gaz. vol. 188; p. 650.
- Engine-starting device, Internal-combustion-. A. C. Thompson. No. 1,056,381; Mar. 18; Gaz. vol. 188; p. 650.
- Engine-starting device, Internal-combustion-. H. W. Webb and T. Veitch. No. 1,058,209; Apr. 8; Gaz. vol. 189; p. 324.
- Engine-starting device, Internal-combustion-. J. F. O'Bert. No. 1,077,292; Nov. 4; Gaz. vol. 196; p. 17.
- Engine-starting device, Internal-combustion-. B. I. Lamb. No. 1,078,151; Nov. 11; Gaz. vol. 196; p. 344.
- Engine-starting device, Internal-combustion-. A. P. Foster. No. 1,081,731; Dec. 16; Gaz. vol. 197; p. 685.
- Engine-starting device, Internal-combustion-. E. F. Connor and J. C. Winans. No. 1,083,190; Dec. 30; Gaz. vol. 197; p. 1241.
- Engine-starting devices, Combination-lock for. A. Fournaise. No. 1,054,190; Feb. 25; Gaz. vol. 187; p. 915.

Alphabetical list of inventions—Continued.

- Engine-starting means, Internal-combustion-. C. J. Coleman. No. 1,053,360; Feb. 18; Gaz. vol. 187; p. 595.
- Engine-starting means, Internal-combustion-. A. A. Stillman. No. 1,071,969; Sept. 2; Gaz. vol. 194; p. 102.
- Engine-starting mechanism. C. E. Lipman. No. 1,055,769; Mar. 11; Gaz. vol. 188; p. 411.
- Engine-starting mechanism. J. H. Durno. No. 1,080,900; Dec. 9; Gaz. vol. 197; p. 373.
- Engine-starting mechanism, Explosive-. H. L. Meeder. No. 1,055,550; Mar. 11; Gaz. vol. 188; p. 336.
- Engine-starting mechanism, Explosive-. H. Meredith-Jones. No. 1,059,681; Apr. 22; Gaz. vol. 189; p. 903.
- Engine-starting mechanism, Explosive-. H. Meredith-Jones. No. 1,071,775; Sept. 2; Gaz. vol. 194; p. 37.
- Engine-starting mechanism, Hydrocarbon-. R. Huff. No. 1,049,487; Jan. 7; Gaz. vol. 186; p. 57.
- Engine-starting mechanism, Internal-combustion-. C. Day and G. E. Windeler. No. 1,049,815; Jan. 7; Gaz. vol. 186; p. 169.
- Engine-starting mechanism, Internal-combustion-. A. F. Feller. No. 1,053,800; Feb. 18; Gaz. vol. 187; p. 746.
- Engine-starting mechanism, Internal-combustion-. H. B. Anderson. No. 1,058,214; Apr. 8; Gaz. vol. 189; p. 325.
- Engine-starting mechanism, Internal-combustion-. H. B. Anderson. No. 1,058,215; Apr. 8; Gaz. vol. 189; p. 326.
- Engine-starting mechanism, Internal-combustion-. A. R. Curtis. No. 1,064,132; June 10; Gaz. vol. 191; p. 364.
- Engine-steering device, Traction-. C. A. Bradley. No. 1,056,967; Mar. 25; Gaz. vol. 188; p. 884.
- Engine-steering device, Traction-. W. S. Williams. No. 1,076,340; Oct. 21; Gaz. vol. 195; p. 658.
- Engine-steering mechanism, Traction-. W. S. Morton. No. 1,062,788; May 27; Gaz. vol. 190; p. 870.
- Engine stop and recording device. A. F. Tyler. No. 1,065,192; June 17; Gaz. vol. 191; p. 753.
- Engine-stopping mechanism. W. G. Potter. No. 1,068,699; July 29; Gaz. vol. 192; p. 1098.
- Engine-supporting frame. C. W. Spencer. No. 1,065,979; July 1; Gaz. vol. 192; p. 27.
- Engine-supporting frame. L. S. Laufenburg and S. G. Pearson. No. 1,072,743; Sept. 9; Gaz. vol. 194; p. 396.
- Engine-supporting means. H. G. Chatain. No. 1,080,748; Dec. 9; Gaz. vol. 197; p. 320.
- Engine-tender. E. Ryan. No. 1,051,639; Jan. 28; Gaz. vol. 186; p. 892.
- Engine tender, Traction-. J. A. Dobmeier. No. 1,051,202; Jan. 21; Gaz. vol. 186; p. 712.
- Engine-tester. A. J. Waindizoch. No. 1,051,931; Feb. 4; Gaz. vol. 187; p. 28.
- Engine timer and switch arrangement, Internal-combustion-. J. M. Rhett. No. 1,054,240; Feb. 25; Gaz. vol. 187; p. 933.
- Engine track, Flexible endless traction-. B. Holt. No. 1,082,330; Dec. 23; Gaz. vol. 197; p. 921.
- Engine transmission-gearing, Traction-. H. C. Clay. No. 1,066,997; July 8; Gaz. vol. 192; p. 408.
- Engine valve-gear, Internal-combustion-. K. Steinbecker. No. 1,080,495; Dec. 2; Gaz. vol. 197; p. 202.
- Engine vaporizer and igniter, Internal-combustion-. W. O. Platt and J. Reid. No. 1,079,878; Nov. 25; Gaz. vol. 196; p. 1003.
- Engine vaporizer, Internal-combustion-. N. B. Wales. No. 1,060,042; Apr. 29; Gaz. vol. 189; p. 1065.
- Engine vaporizer, Internal-combustion-. K. J. E. Hesselman. No. 1,082,328; Dec. 23; Gaz. vol. 197; p. 920.
- Engines, Accelerator for internal-combustion. T. C. Willett. No. 1,049,959; Jan. 7; Gaz. vol. 186; p. 216.
- Engines, Accessory for the ignition systems of internal-combustion. M. H. Merrell. No. 1,064,846; June 17; Gaz. vol. 191; p. 641.
- Engines, Admission-pipe for two-stroke internal-combustion. E. Côte. No. 1,063,011; May 27; Gaz. vol. 190; p. 944.
- Engines and associated mechanisms, Electric controller for explosive-. C. O. Pearson. No. 1,064,765; June 17; Gaz. vol. 191; p. 616.
- Engines and other purposes, Ignition arrangement for internal-combustion. H. A. Humphrey. No. 1,053,395; Feb. 18; Gaz. vol. 187; p. 606.
- Engines and the like, Cylinder for steam-. M. Schmidt. No. 1,063,835; June 3; Gaz. vol. 191; p. 229.
- Engines, Apparatus for regulating the pressure at which air is blown into internal-combustion. L. T. Ebermann. No. 1,066,189; July 1; Gaz. vol. 192; p. 102.
- Engines, Automatic controlling device for locomotive-. J. M. Kramlich. No. 1,055,761; Mar. 11; Gaz. vol. 188; p. 408.
- Engines, Automatic mixer and charger for gas-. A. P. Gubrud. No. 1,056,666; Mar. 18; Gaz. vol. 188; p. 750.
- Engines, Automatic speed-controlling means for. Z. Tamasey. No. 1,066,235; July 1; Gaz. vol. 192; p. 119.
- Engines, Auxiliary air-inlet device for internal-combustion. J. M. Aubery. No. 1,050,200; Jan. 14; Gaz. vol. 186; p. 332.
- Engines, Auxiliary air-supply device for gasoline-. J. L. Holton. No. 1,070,131; Aug. 12; Gaz. vol. 193; p. 388.
- Engines, Auxiliary air-supply means to internal-combustion. A. C. Stewart. No. 1,064,106; June 10; Gaz. vol. 191; p. 355.
- Engines, Breather for. N. McCarty. No. 1,071,328; Aug. 26; Gaz. vol. 193; p. 866.
- Engines by water-pressure, Apparatus for operating. L. M. Pettit. No. 1,057,086; Mar. 25; Gaz. vol. 188; p. 925.
- Engines, Charge-mixing device for gas-. F. A. Heath. No. 1,051,369; Jan. 21; Gaz. vol. 186; p. 768.
- Engines, Charging and distributing device for explosive-. A. Auble, Jr. No. 1,069,665; Aug. 12; Gaz. vol. 193; p. 228.
- Engines, Combined air motor and compressor for starting internal-combustion. H. A. Lord. No. 1,080,289; Dec. 2; Gaz. vol. 197; p. 130.
- Engines, Combined safety cranking device, clutch, and pulley for explosive-. G. E. Wilson. No. 1,069,751; Aug. 12; Gaz. vol. 193; p. 258.
- Engines, Contact-breaker for electrical ignition in internal-combustion. G. Honold. No. 1,061,613; May 13; Gaz. vol. 190; p. 397.
- Engines, Current-generator and igniter for internal-combustion. E. Podlešák. No. 1,055,076; Mar. 4; Gaz. vol. 188; p. 144.
- Engines, &c., Cylinder for steam-. M. Schmidt. No. 1,068,937; July 29; Gaz. vol. 192; p. 1183.
- Engines, Device for attaching reels to. F. J. Moser. No. 1,053,205; Feb. 18; Gaz. vol. 187; p. 541.
- Engines, Device for automatically stopping gasoline-. T. E. Johnson. No. 1,074,327; Sept. 30; Gaz. vol. 194; p. 1032.
- Engines, Distributer for internal-combustion. E. L. L. Ménagé. No. 1,063,820; June 3; Gaz. vol. 191; p. 224.
- Engines, Double ignition system for internal-combustion. D. B. Hughes. No. 1,075,974; Oct. 14; Gaz. vol. 195; p. 504.
- Engines, dynamos, and batteries, Electric and automatic control of. L. Sunderland and G. C. Pillinger. No. 1,054,368; Feb. 25; Gaz. vol. 187; p. 975.
- Engines, Electric cut-off for marine and other steam-. R. Zoppa. No. 1,056,482; Mar. 18; Gaz. vol. 188; p. 686.
- Engines, Electric igniting device for explosive-. E. P. Cowles. No. 1,050,002; Jan. 7; Gaz. vol. 186; p. 231.
- Engines, Electric ignition system for internal-combustion. A. Diemer. No. 1,056,512; Mar. 18; Gaz. vol. 188; p. 699.
- Engines, Electric ignition system for internal-combustion. F. Kratz. No. 1,063,555; June 3; Gaz. vol. 191; p. 130.
- Engines, Electric timer for explosive-. W. M. Steele. No. 1,064,104; June 10; Gaz. vol. 191; p. 355.
- Engines, Electrical igniting device for explosive-. A. R. Bullock. No. 1,065,862; June 24; Gaz. vol. 191; p. 1019.
- Engines, Electrical ignition system for internal-combustion. G. Honold. No. 1,063,542; June 3; Gaz. vol. 191; p. 125.
- Engines, Feeding means for internal-combustion. O. Ohlson. No. 1,066,939; July 8; Gaz. vol. 192; p. 389.
- Engines, Flexible-foot supporting-column for rock-drilling. J. G. Leyner. No. 1,065,060; June 17; Gaz. vol. 191; p. 710.
- Engines for automobiles and other uses, Terminal connector for spark-plugs for explosive-. C. W. Beck. No. 1,062,629; May 27; Gaz. vol. 190; p. 819.
- Engines, Fuel-feed regulator for explosive-. S. D. Filson. No. 1,063,866; June 3; Gaz. vol. 191; p. 237.
- Engines, Fuel-pump for internal-combustion. L. C. Hamke. No. 1,067,424; July 15; Gaz. vol. 192; p. 591.
- Engines, Fuel-pump for internal-combustion. H. Lemp. No. 1,076,436; Oct. 21; Gaz. vol. 195; p. 691.
- Engines, Fuel-supply for gas-. F. H. Bates. No. 1,051,364; Jan. 21; Gaz. vol. 186; p. 766.
- Engines, Gas mixer and heater for explosive-. S. P. Watt. No. 1,056,760; Mar. 18; Gaz. vol. 188; p. 784.
- Engines, Governing internal-combustion-. J. S. Anthony. No. 1,082,004; Dec. 23; Gaz. vol. 197; p. 807.
- Engines, High-tension sparking means for explosion-. J. E. Seeley. No. 1,051,642; Jan. 28; Gaz. vol. 186; p. 894.
- Engines, Ignition and starting mechanism for internal-combustion. L. E. Clark. No. 1,075,763; Oct. 14; Gaz. vol. 195; p. 432.
- Engines, Ignition apparatus for hydrocarbon-. R. Huff. No. 1,079,413; Nov. 25; Gaz. vol. 196; p. 841.
- Engines, Ignition controller for internal-combustion. M. Oustad. No. 1,061,921; May 13; Gaz. vol. 190; p. 497.
- Engines, Ignition device for internal-combustion. H. O. Cram. No. 1,060,231; Apr. 29; Gaz. vol. 189; p. 1129.
- Engines, Ignition system for rotary oscillating-cylinder. H. Braunton. No. 1,071,602; Aug. 26; Gaz. vol. 193; p. 957.
- Engines, Liquid-fuel-oil-feeding governor for internal-combustion. J. I. Wood. No. 1,063,490; June 3; Gaz. vol. 191; p. 108.
- Engines, Liquid-fuel-supply arrangement of internal-combustion. J. Higginson and H. Arundel. No. 1,067,814; July 22; Gaz. vol. 192; p. 756.
- Engines, Lubricating-oil-conservation attachment for gas-. C. Mayfield. No. 1,080,710; Dec. 9; Gaz. vol. 197; p. 305.
- Engines, Magneto-electric ignition apparatus for use with internal-combustion. C. Ebner. No. 1,074,542; Sept. 30; Gaz. vol. 194; p. 1101.

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- Engines, Magneto ignition system for internal-combustion. W. F. Nickel. No. 1,050,162; Jan. 14; Gaz. vol. 186; p. 320.
- Engines, Make-and-break sparking device for. L. C. Adams. No. 1,066,453; July 1; Gaz. vol. 192; p. 190.
- Engines, Match-starter for internal-combustion. M. Marsden. No. 1,071,327; Aug. 26; Gaz. vol. 193; p. 866.
- Engines, Means for starting internal-combustion. A. D. Kenyon and E. D. Thayer. No. 1,067,257; July 15; Gaz. vol. 192; p. 534.
- Engines, Means for supplying explosive mixture to explosive-. S. S. Krayer. No. 1,051,122; Jan. 21; Gaz. vol. 186; p. 686.
- Engines, Means for supplying liquid fuel to internal-combustion. J. McKechnie. No. 1,066,936; July 8; Gaz. vol. 192; p. 389.
- Engines, Mechanism for automatically controlling the speed of and stopping. H. R. Welch and C. H. Case. No. 1,060,803; May 6; Gaz. vol. 190; p. 81.
- Engines, Method of and apparatus for operating petroleum explosive-. G. B. Jackson. No. 1,058,591; Apr. 8; Gaz. vol. 189; p. 454.
- Engines, Motor-drive for Jordan. J. F. Lanigan, Jr. No. 1,060,911; May 6; Gaz. vol. 190; p. 121.
- Engines, Pendulum-governor for ships. E. Brouquière. No. 1,058,540; Apr. 8; Gaz. vol. 189; p. 438.
- Engines, Power steering-gear for traction-. H. C. Clay. No. 1,072,824; Sept. 9; Gaz. vol. 194; p. 425.
- Engines, Regulator for multiple-cylinder. E. A. Zolle. No. 1,065,491; June 24; Gaz. vol. 191; p. 894.
- Engines, Removing carbon deposited in internal-combustion. H. M. Eller. No. 1,081,950; Dec. 23; Gaz. vol. 197; p. 788.
- Engines, Roll and bars for beater and washer. H. R. Simonds. No. 1,056,461; Mar. 18; Gaz. vol. 188; p. 680.
- Engines, Safety cranking attachment for internal-combustion. G. W. Sage. No. 1,058,389; Apr. 8; Gaz. vol. 189; p. 387.
- Engines, &c., Silencer for gas-. H. P. Maxim. No. 1,060,925; May 6; Gaz. vol. 190; p. 125.
- Engines, Spark-controller for explosive-. A. L. Moeller. No. 1,075,847; Oct. 14; Gaz. vol. 195; p. 460.
- Engines, Spark igniting device for gas and oil. J. G. Newman. No. 1,055,349; Mar. 11; Gaz. vol. 188; p. 270.
- Engines, Spark-plug for explosion-. F. C. Walsh. No. 1,076,535; Oct. 21; Gaz. vol. 195; p. 727.
- Engines, Stripping roller of carding-. J. Edge. No. 1,061,167; May 6; Gaz. vol. 190; p. 206.
- Engines, System for operating combustion. T. Reuter. No. 1,063,386; June 3; Gaz. vol. 191; p. 73.
- Engines, System of gas distribution for internal-combustion. W. R. McKeen, Jr. No. 1,081,619; Dec. 16; Gaz. vol. 197; p. 648.
- Engines, System of ignition for explosive-. L. J. Le Pontois. No. 1,074,784; Oct. 7; Gaz. vol. 195; p. 47.
- Engines, System of operating steam-. M. P. Osbourn. No. 1,052,745; Feb. 11; Gaz. vol. 187; p. 338.
- Engines, Under-water exhaust for explosive and other. N. W. Montgomery. No. 1,065,707; June 24; Gaz. vol. 191; p. 966.
- Engraver's transfer device. I. N. Cassity. No. 1,081,362; Dec. 16; Gaz. vol. 197; p. 565.
- Engraving-block holder. A. Muehlmann. No. 1,057,762; Apr. 1; Gaz. vol. 189; p. 124.
- Engraving-machine. R. Fleisch. No. 1,058,955; Apr. 15; Gaz. vol. 189; p. 620.
- Engraving-machine. R. E. Gray. No. 1,069,652; Aug. 5; Gaz. vol. 193; p. 193.
- Engraving-machine. C. A. Ker. No. 1,079,559; Nov. 25; Gaz. vol. 196; p. 892.
- Engraving, Rocking-gear for mill-. C. A. Ker. No. 1,055,186; Mar. 4; Gaz. vol. 188; p. 178.
- Entrail-cleaning machine. A. Olsen. No. 1,077,488; Nov. 4; Gaz. vol. 196; p. 88.
- Envelop. M. S. Mitrovitch. No. 1,051,345; Jan. 21; Gaz. vol. 186; p. 760.
- Envelop. O. F. Johnson. No. 1,051,414; Jan. 28; Gaz. vol. 186; p. 417.
- Envelop. W. F. Crowell. No. 1,052,322; Feb. 4; Gaz. vol. 187; p. 163.
- Envelop. T. W. Grosh. No. 1,054,536; Feb. 25; Gaz. vol. 187; p. 1032.
- Envelop. M. D. Aaberg. No. 1,057,910; Apr. 1; Gaz. vol. 189; p. 176.
- Envelop. J. C. Rader. No. 1,058,901; Apr. 15; Gaz. vol. 189; p. 601.
- Envelop. M. H. Dague. No. 1,060,431; Apr. 29; Gaz. vol. 189; p. 1201.
- Envelop. W. Radcliff. No. 1,062,851; May 27; Gaz. vol. 190; p. 891.
- Envelop. R. M. Donohue. No. 1,064,302; June 10; Gaz. vol. 191; p. 422.
- Envelop. M. M. Cohn. No. 1,068,858; July 29; Gaz. vol. 192; p. 1155.
- Envelop. C. J. Hordis. No. 1,069,549; Aug. 5; Gaz. vol. 193; p. 159.
- Envelop. G. E. Thornburg. No. 1,071,189; Aug. 26; Gaz. vol. 193; p. 819.
- Envelop. A. G. Kolosa. No. 1,072,741; Sept. 9; Gaz. vol. 194; p. 395.
- Envelop. H. H. McFarlane. No. 1,073,056; Sept. 9; Gaz. vol. 194; p. 509.
- Envelop. C. N. England. No. 1,074,613; Oct. 7; Gaz. vol. 195; p. 8.
- Envelop. J. Fanfani. No. 1,076,966; Oct. 28; Gaz. vol. 195; p. 933.
- Envelop closing and sealing device. D. W. Lewis. No. 1,071,524; Aug. 26; Gaz. vol. 193; p. 931.
- Envelop, Currency-shipping. H. N. Heilman. No. 1,058,863; Apr. 15; Gaz. vol. 189; p. 587.
- Envelop-delivery mechanism. J. S. Duncan. No. 1,063,339; June 3; Gaz. vol. 191; p. 58.
- Envelop-fastener. N. Werts. No. 1,050,582; Jan. 14; Gaz. vol. 186; p. 466.
- Envelop-fastener. M. Vierengel. No. 1,061,341; May 13; Gaz. vol. 190; p. 302.
- Envelop-fastener. G. W. Logan. No. 1,077,616; Nov. 4; Gaz. vol. 196; p. 129.
- Envelop-fastener. R. V. Hirschmann. No. 1,079,598; Nov. 25; Gaz. vol. 196; p. 907.
- Envelop-feeding mechanism. J. S. Duncan. No. 1,063,335; June 3; Gaz. vol. 191; p. 56.
- Envelop-feeding mechanism. J. S. Duncan. No. 1,063,336; June 3; Gaz. vol. 191; p. 56.
- Envelop-feeding mechanism. J. S. Duncan. No. 1,063,338; June 3; Gaz. vol. 191; p. 57.
- Envelop for samples. L. Planche. No. 1,071,572; Aug. 26; Gaz. vol. 193; p. 947.
- Envelop-machine-feeding mechanism. F. L. Schmidt. No. 1,063,140; May 27; Gaz. vol. 190; p. 986.
- Envelop-machines, Gumming device for. O. Hartenfels. No. 1,056,023; Mar. 18; Gaz. vol. 188; p. 530.
- Envelop-machines, Imprinting attachment of. P. J. Dan-sereau. No. 1,062,895; May 27; Gaz. vol. 190; p. 906.
- Envelop-manufacturing machine. R. M. Decker. No. 1,062,954; May 27; Gaz. vol. 190; p. 926.
- Envelop-opener. W. N. Burnite. No. 1,082,400; Dec. 23; Gaz. vol. 197; p. 944.
- Envelop protective device. T. Watanabe. No. 1,065,012; June 17; Gaz. vol. 191; p. 695.
- Envelop, Safety-. C. W. Schleier. No. 1,052,974; Feb. 11; Gaz. vol. 187; p. 418.
- Envelop, Safety-. F. Hoffmann. No. 1,061,077; May 6; Gaz. vol. 190; p. 178.
- Envelop, Safety-. M. E. Caldwell. No. 1,063,506; June 3; Gaz. vol. 191; p. 113.
- Envelop, Safety-. O. L. Weimar. No. 1,077,773; Nov. 4; Gaz. vol. 196; p. 183.
- Envelops, Machine for applying patches and fasteners to. M. Vierengel. No. 1,078,473; Nov. 11; Gaz. vol. 196; p. 456.
- Enzymic agent and producing it, Catalytically-acting. A. D. Barr. No. 1,051,061; Jan. 21; Gaz. vol. 186; p. 665.
- Equalizer. W. E. Sherwood. No. 1,051,522; Jan. 28; Gaz. vol. 186; p. 854.
- Equalizer. H. C. Odenrider. No. 1,060,013; Apr. 29; Gaz. vol. 189; p. 1055.
- Equalizer, Holdback-. S. W. Patnode. No. 1,052,618; Feb. 11; Gaz. vol. 187; p. 297.
- Equalizers, Automatic releasing device for. C. W. McDonald. No. 1,052,739; Feb. 11; Gaz. vol. 187; p. 335.
- Equations, Apparatus for solving. J. Nowak. No. 1,070,835; Aug. 19; Gaz. vol. 193; p. 669.
- Equilibrator. L. W. Perry. No. 1,070,625; Aug. 19; Gaz. vol. 193; p. 599.
- Eraser. M. F. Hayes. No. 1,063,443; June 3; Gaz. vol. 191; p. 92.
- Eraser. E. Faber. No. 1,067,012; July 8; Gaz. vol. 192; p. 413.
- Eraser and brush, Combined. A. M. Goldzier. No. 1,066,268; July 1; Gaz. vol. 192; p. 130.
- Eraser-cleaning machine, Blackboard-. G. U. Thompson. No. 1,052,697; Feb. 11; Gaz. vol. 187; p. 324.
- Eraser, Apparatus for cleaning chalk-board. T. Wallace. No. 1,062,311; May 20; Gaz. vol. 190; p. 672.
- Eraser, Machine for cleaning blackboard-. G. U. Thompson. No. 1,070,304; Aug. 12; Gaz. vol. 193; p. 448.
- Erasing-machine. D. M. Lemon. No. 1,077,146; Oct. 28; Gaz. vol. 195; p. 990.
- Erythrene, Manufacture and production of. G. Merling and H. Köhler. No. 1,056,816; Mar. 25; Gaz. vol. 188; p. 831.
- Erythrene, Producing. F. Hofmann, C. Coutelle, and L. Tank. No. 1,050,077; Jan. 7; Gaz. vol. 186; p. 258.
- Erythrene, Producing. G. Merling and H. Köhler. No. 1,056,814; Mar. 25; Gaz. vol. 188; p. 830.
- Escapement. T. C. Hays. No. 1,051,886; Feb. 4; Gaz. vol. 187; p. 13.
- Escapement. S. Czapas. No. 1,080,896; Dec. 9; Gaz. vol. 197; p. 372.
- Escapement mechanism. C. B. Hale. No. 1,068,764; July 29; Gaz. vol. 192; p. 1120.
- Escutcheon-plate adjuster. R. A. Silcox. No. 1,063,612; June 3; Gaz. vol. 191; p. 153.
- Esters and making the same, Dissolved carbohydrate. W. S. Weedon. No. 1,082,573; Dec. 30; Gaz. vol. 197; p. 1036.
- Etching-machine. E. Albert. No. 1,081,289; Dec. 16; Gaz. vol. 197; p. 539.

Alphabetical list of inventions—Continued.

- Etching process. E. Albert. No. 1,081,290; Dec. 16; Gaz. vol. 197; p. 539.
- Ether-producing apparatus. D. Annaratone. No. 1,067,709; July 15; Gaz. vol. 192; p. 687.
- Evaporating and distilling plant. W. Weir. No. 1,079,966; Dec. 2; Gaz. vol. 197; p. 15.
- Evaporating apparatus. A. L. Webre. No. 1,049,425; Jan. 7; Gaz. vol. 186; p. 37.
- Evaporating apparatus. A. L. Webre. No. 1,049,426; Jan. 7; Gaz. vol. 186; p. 37.
- Evaporating apparatus. P. Kestner. No. 1,060,607; May 6; Gaz. vol. 190; p. 15.
- Evaporating apparatus. D. Cozzolino. No. 1,069,394; Aug. 5; Gaz. vol. 193; p. 107.
- Evaporating apparatus. D. P. J. Burguières, C. L. Corne, and G. E. Marshall. No. 1,072,307; Sept. 2; Gaz. vol. 194; p. 215.
- Evaporating apparatus. W. A. Seltmann. No. 1,079,669; Nov. 25; Gaz. vol. 196; p. 929.
- Evaporating apparatus. D. Cozzolino. No. 1,082,411; Dec. 23; Gaz. vol. 197; p. 947.
- Evaporating apparatus with superposed compartments and progressive level. C. L. Prache. No. 1,071,341; Aug. 26; Gaz. vol. 193; p. 871.
- Evaporation, concentration, and distillation. W. Anderson and J. Meikle. No. 1,056,877; Mar. 25; Gaz. vol. 188; p. 852.
- Evaporation, Method of and apparatus for. N. H. Hiller. No. 1,071,740; Sept. 2; Gaz. vol. 194; p. 24.
- Evaporation, Separating solid substances from solutions by. G. Jebsen and C. Finckenhagen. No. 1,074,264; Sept. 30; Gaz. vol. 194; p. 1011.
- Evaporator. T. E. Kennaird. No. 1,051,959; Feb. 4; Gaz. vol. 187; p. 39.
- Evaporator. C. F. Eckart. No. 1,053,017; Feb. 11; Gaz. vol. 187; p. 432.
- Evaporator. O. Mantius. No. 1,054,926; Mar. 4; Gaz. vol. 188; p. 92.
- Evaporator. P. Thilges. No. 1,058,808; Apr. 15; Gaz. vol. 189; p. 566.
- Evaporator. J. E. Dunn. No. 1,067,010; July 8; Gaz. vol. 192; p. 412.
- Evaporator. A. S. Morris. No. 1,069,566; Aug. 5; Gaz. vol. 193; p. 165.
- Evaporator, Finishing-. M. B. Cresswell. No. 1,075,630; Oct. 14; Gaz. vol. 195; p. 388.
- Evaporator, Fruit-. T. E. Koehler. No. 1,075,981; Oct. 14; Gaz. vol. 195; p. 506.
- Evener. L. C. Struensee. No. 1,064,561; June 10; Gaz. vol. 191; p. 510.
- Evener, Four-horse. A. Hallstrom. No. 1,076,572; Oct. 21; Gaz. vol. 195; p. 740.
- Excavating and conveying apparatus. J. L. Potter. No. 1,081,060; Dec. 9; Gaz. vol. 197; p. 424.
- Excavating and dredging machine. A. Steinbrecker. No. 1,070,853; Aug. 19; Gaz. vol. 193; p. 675.
- Excavating and dredging machine. W. R. Litzenberg. No. 1,075,923; Oct. 14; Gaz. vol. 195; p. 486.
- Excavating apparatus. J. G. Fairbanks. No. 1,056,268; Mar. 18; Gaz. vol. 188; p. 614.
- Excavating apparatus. J. E. Redmond. No. 1,066,655; July 8; Gaz. vol. 192; p. 291.
- Excavating apparatus. J. A. Truesdell. No. 1,066,683; July 8; Gaz. vol. 192; p. 302.
- Excavating attachment for motor-vehicles. D. Smith. No. 1,059,227; Apr. 15; Gaz. vol. 189; p. 713.
- Excavating-bucket. G. W. and C. B. King, H. T. Gracely, and H. E. Roush. No. 1,050,838; Jan. 21; Gaz. vol. 186; p. 586.
- Excavating-bucket. G. W. and C. B. King, H. T. Gracely, and H. E. Roush. No. 1,050,839; Jan. 21; Gaz. vol. 186; p. 586.
- Excavating-bucket. G. W. and C. B. King, H. T. Gracely, and H. E. Roush. No. 1,050,840; Jan. 21; Gaz. vol. 186; p. 587.
- Excavating, elevating, and dumping earth, sand, silt, or gravel. Machine for. W. Castles. No. 1,074,163; Sept. 30; Gaz. vol. 194; p. 978.
- Excavating-machine. C. E. Negley. No. 1,053,428; Feb. 18; Gaz. vol. 187; p. 619.
- Excavating-machine. L. A. Krupp. No. 1,056,105; Mar. 18; Gaz. vol. 188; p. 559.
- Excavating-machine. C. S. Brown and F. H. Gerdeman. No. 1,056,398; Mar. 18; Gaz. vol. 188; p. 655.
- Excavating-machine. C. W. Rood. No. 1,057,457; Apr. 1; Gaz. vol. 189; p. 21.
- Excavating-machine. A. L. Burns. No. 1,058,945; Apr. 15; Gaz. vol. 189; p. 616.
- Excavating-machine. G. W. and C. B. King and B. Jacoby. No. 1,066,286; July 1; Gaz. vol. 192; p. 137.
- Excavating-machine. A. D. Ward. No. 1,074,480; Sept. 30; Gaz. vol. 194; p. 1082.
- Excavating-machine. H. H. Damman. No. 1,082,011; Dec. 23; Gaz. vol. 197; p. 810.
- Excavating-machine. W. G. Clark. No. 1,082,501; Dec. 30; Gaz. vol. 197; p. 1009.
- Excavating-machine bucket. J. P. Walsh. No. 1,065,286; June 17; Gaz. vol. 191; p. 786.
- Excavating-machine dipper. W. S. McKee and P. M. Vilas. No. 1,069,889; Aug. 12; Gaz. vol. 193; p. 306.
- Excavating-machine, Portable. J. H. Carr. No. 1,081,487; Dec. 16; Gaz. vol. 197; p. 607.
- Excavating-machines, Two-part dipper for. W. S. McKee. No. 1,077,486; Nov. 4; Gaz. vol. 196; p. 87.
- Excavating-shovel. T. Alexander. No. 1,074,538; Sept. 30; Gaz. vol. 194; p. 1100.
- Excavating-shovel. C. A. Morris. No. 1,080,292; Dec. 2; Gaz. vol. 197; p. 131.
- Excavations, &c., Device for guarding street-. H. W. Alhard. No. 1,068,033; July 22; Gaz. vol. 192; p. 830.
- Excavator. F. R. Knight. No. 1,058,066; Apr. 8; Gaz. vol. 189; p. 273.
- Excavator. W. L. Reed. No. 1,060,558; Apr. 29; Gaz. vol. 189; p. 1244.
- Excavator. A. G. Bansmer. No. 1,064,120; June 10; Gaz. vol. 191; p. 360.
- Excavator. A. G. Bansmer. No. 1,064,121; June 10; Gaz. vol. 191; p. 360.
- Excavator. J. L. Fairbanks. No. 1,078,842; Nov. 18; Gaz. vol. 196; p. 616.
- Excavator. L. A. Krupp. No. 1,081,454; Dec. 16; Gaz. vol. 197; p. 595.
- Excavator and levee-builder. M. G. Bunnell. No. 1,064,285; June 10; Gaz. vol. 191; p. 416.
- Excavator and loader. H. F. Dolan. No. 1,064,456; June 10; Gaz. vol. 191; p. 476.
- Excavator buckets or shovels, Tooth for. M. J. Woznack. No. 1,078,184; Nov. 11; Gaz. vol. 196; p. 355.
- Excavator, Dipper-. R. Jury. No. 1,076,676; Oct. 28; Gaz. vol. 195; p. 829.
- Excavator, Hydraulic. W. E. McChesney. No. 1,055,548; Mar. 11; Gaz. vol. 188; p. 336.
- Excavator or ditching-machine, Wheeled. D. H. Mahoney. No. 1,057,162; Mar. 25; Gaz. vol. 188; p. 951.
- Excavator-shovel. H. G. Butler. No. 1,053,783; Feb. 18; Gaz. vol. 187; p. 740.
- Excavator-shovel. H. G. Butler. No. 1,070,405; Aug. 19; Gaz. vol. 193; p. 524.
- Excavators, Gate-opening device for. A. J. Scharding and P. J. Doyle. No. 1,062,038; May 20; Gaz. vol. 190; p. 579.
- Excelsior-machine. J. H. Anderson. No. 1,052,994; Feb. 11; Gaz. vol. 187; p. 425.
- Exerciser, Abdominal. W. C. Schulze. No. 1,070,924; Aug. 19; Gaz. vol. 193; p. 697.
- Exercising apparatus. R. Reach. No. 1,052,962; Feb. 11; Gaz. vol. 187; p. 415.
- Exercising apparatus. M. J. Sullivan. No. 1,075,309; Oct. 7; Gaz. vol. 195; p. 251.
- Exercising apparatus, Wall. R. Reach. No. 1,053,109; Feb. 11; Gaz. vol. 187; p. 465.
- Exercising appliance. E. E. Flora. No. 1,082,940; Dec. 30; Gaz. vol. 197; p. 1164.
- Exercising device. L. Bernadzikiewicz. No. 1,051,067; Jan. 21; Gaz. vol. 186; p. 667.
- Exercising device, Gyroscopic. B. L. Newkirk and O. S. Zelter. No. 1,058,786; Apr. 15; Gaz. vol. 189; p. 559.
- Exercising-stick. A. Keresztfalvy. No. 1,077,836; Nov. 4; Gaz. vol. 196; p. 203.
- Exhaust and muffler, Under-water. W. F. Hall. No. 1,069,945; Aug. 12; Gaz. vol. 193; p. 324.
- Exhaust-muffler. C. F. and G. W. Lattime. No. 1,051,130; Jan. 21; Gaz. vol. 186; p. 688.
- Exhaust-silencer. F. G. Hall, Jr. No. 1,076,571; Oct. 21; Gaz. vol. 195; p. 739.
- Exhaust-silencer. W. H. and O. C. Unke. No. 1,081,348; Dec. 16; Gaz. vol. 197; p. 560.
- Exhaust silencer, Open-. C. F. M. Galaine. No. 1,076,494; Oct. 21; Gaz. vol. 195; p. 712.
- Exhaust, Under-water. M. V. Miller. No. 1,073,920; Sept. 23; Gaz. vol. 194; p. 868.
- Exhibiting apparatus or machine, Rug-. J. Lutz and C. J. Leyes. No. 1,069,966; Aug. 12; Gaz. vol. 193; p. 330.
- Exhibition device. C. W. Saalburg. No. 1,053,650; Feb. 18; Gaz. vol. 187; p. 695.
- Exhibition illusion. A. J. Thowless. No. 1,064,873; June 17; Gaz. vol. 191; p. 650.
- Exhibitor, Changeable. I. W. Edwards. No. 1,054,098; Feb. 25; Gaz. vol. 187; p. 882.
- Exit, Safety-. C. B. Woodard. No. 1,056,140; Mar. 18; Gaz. vol. 188; p. 570.
- Expander. W. H. Davis. No. 1,068,860; July 29; Gaz. vol. 192; p. 1156.
- Expanding ring, Joint-. H. Ferrell and C. Witwer. No. 1,080,430; Dec. 2; Gaz. vol. 197; p. 181.
- Expansive bit. G. P. Butler. No. 1,071,202; Aug. 26; Gaz. vol. 193; p. 824.
- Expansive die. D. N. Prime. No. 1,049,599; Jan. 7; Gaz. vol. 186; p. 97.
- Expansive roller. G. P. Wild. No. 1,072,067; Sept. 2; Gaz. vol. 194; p. 135.
- Expansion-bit. L. S. Hayden. No. 1,056,670; Mar. 18; Gaz. vol. 188; p. 751.
- Expansion-bit. J. W. Caldwell. No. 1,066,707; July 8; Gaz. vol. 192; p. 311.
- Expansion-bolt. J. R. Conrad. No. 1,050,345; Jan. 14; Gaz. vol. 186; p. 382.
- Expansion-bolt. C. C. Gebhardt. No. 1,052,237; Feb. 4; Gaz. vol. 187; p. 136.

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- Expansion-bolt. C. B. Van Antwerp. No. 1,053,682; Feb. 18; Gaz. vol. 187; p. 705.
- Expansion-bolt. D. Masor. No. 1,066,512; July 8; Gaz. vol. 192; p. 241.
- Expansion-bolt. D. Masor. No. 1,072,246; Sept. 2; Gaz. vol. 194; p. 195.
- Expansion-bolt. C. B. Van Antwerp. No. 1,076,175; Oct. 21; Gaz. vol. 195; p. 600.
- Expansion-bolt. J. H. Hubler and C. E. Henderson. No. 1,076,368; Oct. 21; Gaz. vol. 195; p. 667.
- Expansion-bolt. L. R. Zifferer. No. 1,080,615; Dec. 9; Gaz. vol. 197; p. 273.
- Expansion-joint. A. C. Badger. No. 1,052,709; Feb. 11; Gaz. vol. 187; p. 326.
- Expansion-joint. J. T. Kelly. No. 1,079,350; Nov. 25; Gaz. vol. 196; p. 820.
- Expansion-lift. M. L. Senderling. No. 1,080,375; Dec. 2; Gaz. vol. 197; p. 162.
- Expansion-shield. H. G. Osborne. No. 1,066,040; July 1; Gaz. vol. 192; p. 48.
- Expansion-tank. F. C. Smith. No. 1,067,492; July 15; Gaz. vol. 192; p. 614.
- Exploder. F. M. Leavitt. No. 1,068,594; July 29; Gaz. vol. 192; p. 1061.
- Explosion-engine. W. R. Bergman. No. 1,058,534; Apr. 8; Gaz. vol. 189; p. 435.
- Explosion-engine. C. L. Cook. No. 1,062,323; May 20; Gaz. vol. 190; p. 676.
- Explosion-engine. L. C. Vanderlip. No. 1,066,168; July 1; Gaz. vol. 192; p. 93.
- Explosion-engine. L. E. and M. C. France. No. 1,070,884; Aug. 19; Gaz. vol. 193; p. 684.
- Explosion-engine. C. Y. Knight. No. 1,072,860; Sept. 9; Gaz. vol. 194; p. 438.
- Explosion-engine, Multiple-cylinder. L. M. Delaunay-Belleville. No. 1,051,866; Feb. 4; Gaz. vol. 187; p. 7.
- Explosion-motor. J. Vollmer. No. 1,062,132; May 20; Gaz. vol. 190; p. 611.
- Explosion-motor. C. Tecklenburg. No. 1,064,109; June 10; Gaz. vol. 191; p. 356.
- Explosion-motor. J. MacConaghy. No. 1,083,111; Dec. 30; Gaz. vol. 197; p. 1220.
- Explosion-motor for cars and the like. W. F. Davis. No. 1,079,220; Nov. 18; Gaz. vol. 196; p. 746.
- Explosion-motor, Two-cycle. C. Côte. No. 1,072,314; Sept. 2; Gaz. vol. 194; p. 217.
- Explosion-motor, Two-cycle. J. D'Harveng. No. 1,081,492; Dec. 16; Gaz. vol. 197; p. 608.
- Explosive. R. Imperiali. No. 1,054,777; Mar. 4; Gaz. vol. 188; p. 43.
- Explosive. L. G. M. Adinau. No. 1,056,389; Mar. 18; Gaz. vol. 188; p. 652.
- Explosive. S. A. G. Nauckhoff. No. 1,058,891; Apr. 15; Gaz. vol. 189; p. 598.
- Explosive. S. A. G. Nauckhoff. No. 1,061,774; May 13; Gaz. vol. 190; p. 450.
- Explosive. J. F. O'Brien. No. 1,070,836; Aug. 19; Gaz. vol. 193; p. 669.
- Explosive. J. F. O'Brien. No. 1,070,837; Aug. 19; Gaz. vol. 193; p. 669.
- Explosive. J. F. O'Brien. No. 1,071,949; Sept. 2; Gaz. vol. 194; p. 96.
- Explosive. F. Raschig. No. 1,072,032; Sept. 2; Gaz. vol. 194; p. 125.
- Explosive. J. F. O'Brien. No. 1,073,279; Sept. 16; Gaz. vol. 194; p. 624.
- Explosive and producing same. F. Raschig. No. 1,056,365; Mar. 18; Gaz. vol. 188; p. 645.
- Explosive charge. Cast. E. Sokolowski. No. 1,054,147; Feb. 25; Gaz. vol. 187; p. 899.
- Explosive compound. C. F. Dippel. No. 1,054,515; Feb. 25; Gaz. vol. 187; p. 1026.
- Explosive-engine. C. A. Baker. No. 1,049,643; Jan. 7; Gaz. vol. 186; p. 112.
- Explosive-engine. E. W. Helin. No. 1,050,456; Jan. 14; Gaz. vol. 186; p. 422.
- Explosive-engine. W. Jay. No. 1,052,826; Feb. 11; Gaz. vol. 187; p. 368.
- Explosive-engine. J. H. D. Beaucage. No. 1,055,120; Mar. 4; Gaz. vol. 188; p. 157.
- Explosive-engine. J. A. S. Anderson. No. 1,055,693; Mar. 11; Gaz. vol. 188; p. 385.
- Explosive-engine. T. T. Gaff. No. 1,059,604; Apr. 22; Gaz. vol. 189; p. 877.
- Explosive-engine. H. E. Coffin. No. 1,060,819; May 6; Gaz. vol. 190; p. 87.
- Explosive-engine. R. McKee. No. 1,061,308; May 13; Gaz. vol. 190; p. 291.
- Explosive-engine. H. W. Moore. No. 1,061,396; May 13; Gaz. vol. 190; p. 319.
- Explosive-engine. C. P. Alyea. No. 1,061,653; May 13; Gaz. vol. 190; p. 412.
- Explosive-engine. G. E. Hoglund. No. 1,062,099; May 20; Gaz. vol. 190; p. 600.
- Explosive-engine. R. C. Mitchell. No. 1,065,619; June 24; Gaz. vol. 191; p. 936.
- Explosive-engine. W. C. Haman. No. 1,067,915; July 22; Gaz. vol. 192; p. 790.
- Explosive-engine. S. D. Shakley. No. 1,068,036; July 22; Gaz. vol. 192; p. 848.
- Explosive-engine. S. Ybarra. No. 1,068,724; July 29; Gaz. vol. 192; p. 1107.
- Explosive-engine. W. H. Schillinger. No. 1,069,480; Aug. 5; Gaz. vol. 193; p. 138.
- Explosive-engine. M. C. Kessler. No. 1,070,139; Aug. 13; Gaz. vol. 193; p. 391.
- Explosive-engine. H. E. Norris. No. 1,070,719; Aug. 19; Gaz. vol. 193; p. 630.
- Explosive-engine. E. E. E. Sutphin. No. 1,071,823; Sept. 2; Gaz. vol. 194; p. 54.
- Explosive-engine. L. S. Gardner. No. 1,072,596; Sept. 9; Gaz. vol. 194; p. 345.
- Explosive-engine. J. J. Shively. No. 1,075,307; Oct. 7; Gaz. vol. 195; p. 250.
- Explosive-engine. J. F. Buhr. No. 1,075,545; Oct. 14; Gaz. vol. 195; p. 358.
- Explosive-engine. J. Todd. No. 1,076,172; Oct. 21; Gaz. vol. 195; p. 598.
- Explosive-engine. R. C. Mitchell and H. M. Neer. No. 1,076,903; Oct. 28; Gaz. vol. 195; p. 910.
- Explosive-engine. B. B. Dorr. No. 1,079,845; Nov. 25; Gaz. vol. 196; p. 992.
- Explosive-engine. D. W. Jones and W. J. Miller. No. 1,081,120; Dec. 9; Gaz. vol. 197; p. 444.
- Explosive-engine. E. Prouty. No. 1,082,237; Dec. 23; Gaz. vol. 197; p. 887.
- Explosive-engine. C. W. Knight. No. 1,082,958; Dec. 30; Gaz. vol. 197; p. 1171.
- Explosive-engine and valve-gear for same. E. S. Reiland. No. 1,060,629; May 6; Gaz. vol. 190; p. 23.
- Explosive-engine, Multiple-cylinder. E. S. Cameron. No. 1,068,481; July 29; Gaz. vol. 192; p. 1023.
- Explosive-engine, Two-cycle. H. H. Newman. No. 1,072,766; Sept. 9; Gaz. vol. 194; p. 403.
- Explosive-engine, Two-cycle. E. J. Woolf. No. 1,075,889; Oct. 14; Gaz. vol. 195; p. 474.
- Explosive-engine, Two-cycle. J. L. Campbell. No. 1,082,402; Dec. 23; Gaz. vol. 197; p. 945.
- Explosive-fluid-storage reservoir. C. J. Coleman. No. 1,080,263; Dec. 2; Gaz. vol. 197; p. 121.
- Explosive liquids, Storage plant for. A. Sachsse. No. 1,053,878; Feb. 18; Gaz. vol. 187; p. 771.
- Explosive nitro bodies, Densifying fusible. G. Issler. No. 1,074,263; Sept. 30; Gaz. vol. 194; p. 1011.
- Explosive, Sulfite-waste. F. Raschig. No. 1,056,366; Mar. 18; Gaz. vol. 188; p. 645.
- Explosive volatile liquids, Commercial package for. H. B. French. No. 1,062,565; May 20; Gaz. vol. 190; p. 754.
- Explosives, Continuous process for producing. F. Raschig. No. 1,056,367; Mar. 18; Gaz. vol. 188; p. 645.
- Exposure attachment, Automatic. H. M. Johnson. No. 1,060,259; Apr. 29; Gaz. vol. 189; p. 1139.
- Extensible bracket. A. F. Pieper. No. 1,070,524; Aug. 19; Gaz. vol. 193; p. 565.
- Extensible trough or flume. P. Maginnis. No. 1,072,343; Sept. 2; Gaz. vol. 194; p. 226.
- Extension and retraction device. A. Siewert. No. 1,073,294; Sept. 16; Gaz. vol. 194; p. 629.
- Extension-brace. D. Eckhoff. No. 1,058,226; Apr. 8; Gaz. vol. 189; p. 330.
- Extension-furnace. R. E. Le Blanc and P. P. Landry. No. 1,057,855; Apr. 1; Gaz. vol. 189; p. 158.
- Extension-support. J. C. and J. E. Woodbury. No. 1,054,737; Mar. 4; Gaz. vol. 188; p. 29.
- Extension-table. A. H. Stone. No. 1,052,859; Feb. 11; Gaz. vol. 187; p. 379.
- Extension-table. W. D. Neils. No. 1,054,362; Feb. 25; Gaz. vol. 187; p. 974.
- Extension-table. A. R. Murdock. No. 1,055,647; Mar. 11; Gaz. vol. 188; p. 369.
- Extension-table. J. Mohr. No. 1,056,569; Mar. 18; Gaz. vol. 188; p. 718.
- Extension-table. J. Mohr. No. 1,056,763; Mar. 18; Gaz. vol. 188; p. 786.
- Extension-table. T. M. McKee. No. 1,057,072; Mar. 25; Gaz. vol. 188; p. 920.
- Extension-table. A. R. Blomberg. No. 1,057,114; Mar. 25; Gaz. vol. 188; p. 935.
- Extension-table. E. H. Niemeyer. No. 1,059,751; Apr. 22; Gaz. vol. 189; p. 926.
- Extension-table. C. S. Burton. No. 1,062,884; May 27; Gaz. vol. 190; p. 902.
- Extension-table. C. J. Pasmore. No. 1,069,645; Aug. 5; Gaz. vol. 193; p. 191.
- Extension-table. J. Hofmayr. No. 1,073,128; Sept. 16; Gaz. vol. 194; p. 570.
- Extension-table. F. Frisina. No. 1,077,826; Nov. 4; Gaz. vol. 196; p. 200.
- Extension-table. H. W. Bradner. No. 1,079,927; Nov. 25; Gaz. vol. 196; p. 1022.
- Extension-table. H. W. Bradner. No. 1,080,043; Dec. 2; Gaz. vol. 197; p. 44.
- Extension-table, Round-top. J. Booker. No. 1,079,099; Nov. 18; Gaz. vol. 196; p. 704.
- Exterminator. J. L. Payne. No. 1,052,376; Feb. 4; Gaz. vol. 187; p. 181.
- Extraction apparatus. J. Merz. No. 1,070,828; Aug. 19; Gaz. vol. 193; p. 666.

Alphabetical list of inventions—Continued.

- Extraction apparatus. H. J. Cary-Curr. No. 1,082,304; Dec. 23; Gaz. vol. 197; p. 913.
- Extractor. *See* Cork-extractor; Cotton-hull extractor; Crown-pin extractor; Drill-extractor; Juice-extractor; Lemon-juice extractor; Nail-extractor; Pen-extractor; Spark-extractor; Spoke-extractor; Stump-extractor; Tobacco-plug extractor; Tube-extractor; Weed-extractor.
- Extractors, Making nail-. W. F. Hobbs. No. 1,080,278; Dec. 2; Gaz. vol. 197; p. 126.
- Eye-cup. W. E. Peters. No. 1,079,064; Nov. 18; Gaz. vol. 196; p. 693.
- Eye-protector. G. D. George. No. 1,070,334; Aug. 12; Gaz. vol. 193; p. 458.
- Eye-protector. G. D. George. No. 1,070,335; Aug. 12; Gaz. vol. 193; p. 458.
- Eye-shade and fan, Combined. E. J. Williams. No. 1,082,987; Dec. 30; Gaz. vol. 197; p. 1180.
- Eye-shield. C. N. Bruzard. No. 1,079,287; Nov. 18; Gaz. vol. 196; p. 766.
- Eyes, Instrument for testing the. F. Lorenz. No. 1,066,026; July 1; Gaz. vol. 192; p. 42.
- Eye-brow-shield. C. M. Brennan. No. 1,055,382; Mar. 11; Gaz. vol. 188; p. 281.
- Eyeglass-case. J. Currin. No. 1,080,267; Dec. 2; Gaz. vol. 197; p. 123.
- Eyeglass-case-covering apparatus. W. P. Devine. No. 1,049,344; Jan. 7; Gaz. vol. 186; p. 9.
- Eyeglass-cases, Safety device for. I. Loewenberg. No. 1,070,498; Aug. 19; Gaz. vol. 193; p. 557.
- Eyeglass-cleaner. J. J. Cochrane. No. 1,059,440; Apr. 22; Gaz. vol. 189; p. 824.
- Eyeglass finger-piece mounting. W. S. Searles. No. 1,068,940; July 29; Gaz. vol. 192; p. 1184.
- Eyeglass-guard. R. E. Poulton. No. 1,072,494; Sept. 9; Gaz. vol. 194; p. 309.
- Eyeglass lens-fastening. F. H. Kahn. No. 1,067,522; July 15; Gaz. vol. 192; p. 624.
- Eyeglass-mounting. M. E. Hunter. No. 1,050,943; Jan. 21; Gaz. vol. 186; p. 625.
- Eyeglass-mounting. J. Rosenblatt. No. 1,051,268; Jan. 21; Gaz. vol. 186; p. 734.
- Eyeglass-mounting. L. D. Cutler. No. 1,053,716; Feb. 18; Gaz. vol. 187; p. 719.
- Eyeglass-mounting. G. J. Lowres. No. 1,054,222; Feb. 25; Gaz. vol. 187; p. 927.
- Eyeglass-mounting. G. A. Bader. No. 1,058,525; Apr. 8; Gaz. vol. 189; p. 433.
- Eyeglass-mounting. B. A. Keller and M. E. Messersmith. No. 1,059,938; Apr. 22; Gaz. vol. 189; p. 986.
- Eyeglass-mounting. J. Rosenblatt. No. 1,060,364; Apr. 29; Gaz. vol. 189; p. 1177.
- Eyeglass-mounting. W. B. Payne and H. H. Simms. No. 1,069,284; Aug. 5; Gaz. vol. 193; p. 68.
- Eyeglass-mounting. F. W. Noltz. No. 1,069,897; Aug. 12; Gaz. vol. 193; p. 309.
- Eyeglass-mounting. G. A. Bader. No. 1,074,403; Sept. 30; Gaz. vol. 194; p. 1057.
- Eyeglass-polisher. H. M. Waterman. No. 1,074,671; Oct. 7; Gaz. vol. 195; p. 30.
- Eyeglass-repairing device. H. Brannon. No. 1,064,606; June 10; Gaz. vol. 191; p. 526.
- Eyeglass wind-shield. I. Fox. No. 1,064,468; June 10; Gaz. vol. 191; p. 480.
- Eyeglasses. R. C. Kingsley. No. 1,054,425; Feb. 25; Gaz. vol. 187; p. 996.
- Eyeglasses. J. R. Van Tassel. (Reissue.) No. 13,537; Feb. 25; Gaz. vol. 187; p. 1078.
- Eyeglasses. M. Hansen. No. 1,055,904; Mar. 11; Gaz. vol. 188; p. 455.
- Eyeglasses. H. C. Goodwin. No. 1,057,051; Mar. 25; Gaz. vol. 188; p. 913.
- Eyeglasses. W. W. Hoffman. No. 1,058,748; Apr. 15; Gaz. vol. 189; p. 546.
- Eyeglasses. C. M. Blackford. No. 1,063,499; June 3; Gaz. vol. 191; p. 111.
- Eyeglasses. F. L. Allen. No. 1,068,959; July 29; Gaz. vol. 192; p. 1191.
- Eyeglasses. E. B. Meyrowitz. No. 1,069,278; Aug. 5; Gaz. vol. 193; p. 67.
- Eyeglasses. H. C. Ward. No. 1,070,756; Aug. 19; Gaz. vol. 193; p. 644.
- Eyeglasses. S. Norden. No. 1,073,777; Sept. 23; Gaz. vol. 194; p. 820.
- Eyeglasses. N. A. Baker. No. 1,081,713; Dec. 16; Gaz. vol. 197; p. 679.
- Eyeglasses and spectacles. F. Hamilton. No. 1,059,459; Apr. 22; Gaz. vol. 189; p. 830.
- Eyeglasses and spectacles, Frame for. I. Fox. No. 1,062,777; May 27; Gaz. vol. 190; p. 866.
- Eyeglasses and spectacles, Screw for. A. Maebert. No. 1,053,310; Feb. 18; Gaz. vol. 187; p. 578.
- Eyeglasses, Earpiece for. E. V. White. No. 1,069,833; Aug. 12; Gaz. vol. 193; p. 286.
- Eyeglasses, Mount for. J. McMullen. No. 1,065,314; June 17; Gaz. vol. 191; p. 795.
- Eyeglasses, spectacles, &c., Construction of. L. Courlander. No. 1,079,932; Dec. 2; Gaz. vol. 197; p. 4.
- Eyesight-testing apparatus. H. M. Black. No. 1,072,813; Sept. 9; Gaz. vol. 194; p. 421.
- Eyelet. A. F. Engel. No. 1,071,406; Aug. 26; Gaz. vol. 193; p. 893.
- Eyelet, Binding-. W. R. Inghram. No. 1,082,335; Dec. 23; Gaz. vol. 197; p. 923.
- Eyelets, &c., Mechanism for assorting. M. H. Pearson and A. E. Jerram. No. 1,049,525; Jan. 7; Gaz. vol. 186; p. 69.
- Eyeletting-machine. C. C. Like. No. 1,057,068; Mar. 25; Gaz. vol. 188; p. 918.
- Eyeletting-machine with automatic feed. I. Cohen and A. Landsberg. No. 1,074,490; Sept. 30; Gaz. vol. 194; p. 1085.
- Fabric. *See* Bed fabric; Bed-bottom fabric; Bed or couch fabric; Bed-spring fabric; Braided fabric; Brake-liner fabric; Coated fabric; Couch fabric; Elastic fabric; Garter fabric; Knit fabric; Knitted fabric; Lace fabric; Mattress fabric; Metallic fabric; Pile fabric; Ring fabric; Tire fabric; Tire-casing fabric; Tubular fabric; Wire fabric; Wire bed-bottom fabric; Wire link fabric; Wire-mattress fabric; Wire-mesh fabric; Woven fabric.
- Fabric. A. Schoenfeldt. No. 1,060,368; Apr. 29; Gaz. vol. 189; p. 1178.
- Fabric-borders, Forming crochet-stitch. W. H. Carter. No. 1,072,086; Sept. 2; Gaz. vol. 194; p. 142.
- Fabric-drier. W. M. Schwartz. No. 1,055,235; Mar. 4; Gaz. vol. 188; p. 193.
- Fabric-folding device. H. S. Burnham. No. 1,081,206; Dec. 9; Gaz. vol. 197; p. 473.
- Fabric holder and exhibitor. F. A. Raabe. No. 1,073,519; Sept. 16; Gaz. vol. 194; p. 706.
- Fabric-loop drier and feed for same, Automatic. B. A. Parkes. No. 1,071,651; Aug. 26; Gaz. vol. 193; p. 973.
- Fabric-piling mechanism. H. L. Gantt. No. 1,074,567; Sept. 30; Gaz. vol. 194; p. 1109.
- Fabric renovating and cleaning device. C. C. Cornwell. No. 1,055,879; Mar. 11; Gaz. vol. 188; p. 448.
- Fabrics, Apparatus for stretching. W. T. W. H., and P. C. Philipson. No. 1,068,005; July 22; Gaz. vol. 192; p. 820.
- Fabrics, Border for. W. H. Carter. No. 1,072,380; Sept. 2; Gaz. vol. 194; p. 241.
- Fabrics, Crapings. G. E. Schultz. No. 1,076,608; Oct. 21; Gaz. vol. 195; p. 753.
- Fabrics, Drying plant for textile. S. Schewczik. No. 1,072,512; Sept. 9; Gaz. vol. 194; p. 315.
- Fabrics, Machine for treating coated. A. Thoma. No. 1,055,430; Mar. 11; Gaz. vol. 188; p. 298.
- Fabrics, Mechanism for cutting pile loops in the manufacture of coarse pile. E. J. Entwistle. No. 1,072,842; Sept. 9; Gaz. vol. 194; p. 431.
- Fabrics to receptacles, Apparatus for feeding. E. Gminder. No. 1,053,490; Feb. 18; Gaz. vol. 187; p. 640.
- Fabrics with liquids, Apparatus for treating. W. Mathesius and M. Freiburger. No. 1,062,245; May 20; Gaz. vol. 190; p. 650.
- Face-plate-supporting means. W. H. Miner. No. 1,070,054; Aug. 12; Gaz. vol. 193; p. 361.
- Face-shield. T. J. Powers. No. 1,075,667; Oct. 14; Gaz. vol. 195; p. 399.
- Facing-table and postmarking-machine, Combined. P. J. Madigan and J. Rehak. No. 1,072,388; Sept. 2; Gaz. vol. 194; p. 244.
- Fan. H. A. Happich, Jr. No. 1,056,668; Mar. 18; Gaz. vol. 188; p. 750.
- Fan. C. Wysocki. No. 1,074,401; Sept. 30; Gaz. vol. 194; p. 1057.
- Fan. W. A. Sanders. No. 1,077,859; Nov. 4; Gaz. vol. 196; p. 211.
- Fan and vibrator actuating means, Combined. T. J. Nash. No. 1,059,750; Apr. 22; Gaz. vol. 189; p. 925.
- Fan attachment. A. L. Schwartzberg. No. 1,055,947; Mar. 11; Gaz. vol. 188; p. 470.
- Fan, Centrifugal. E. B. Williams. No. 1,049,431; Jan. 7; Gaz. vol. 186; p. 38.
- Fan, Centrifugal. C. G. Campbell and M. Benbrook. No. 1,053,154; Feb. 18; Gaz. vol. 187; p. 524.
- Fan, Centrifugal. E. B. Williams. No. 1,059,802; Apr. 22; Gaz. vol. 189; p. 943.
- Fan, Centrifugal. E. B. Williams. No. 1,072,549; Sept. 9; Gaz. vol. 194; p. 330.
- Fan, Electric. G. H. Tuttle and F. B. Fleming. No. 1,058,278; Apr. 8; Gaz. vol. 189; p. 347.
- Fan, Electric. G. C. Marx and A. F. Becker. No. 1,081,244; Dec. 9; Gaz. vol. 197; p. 486.
- Fan, Fly-. J. W. Williams. No. 1,074,917; Oct. 7; Gaz. vol. 195; p. 112.
- Fan, Impulse-. C. W. Rogers. No. 1,075,120; Oct. 7; Gaz. vol. 195; p. 183.
- Fan, Mechanical draft-. F. Nold and L. E. Wilderman. No. 1,049,758; Jan. 7; Gaz. vol. 186; p. 149.
- Fan motor, Oscillating-. W. N. Motter and F. S. Kochendorfer. No. 1,073,617; Sept. 23; Gaz. vol. 194; p. 762.
- Fan or blower. H. P. Gale. No. 1,049,472; Jan. 7; Gaz. vol. 186; p. 51.
- Fan or blower, Rotary. F. R. Still. No. 1,054,947; Mar. 4; Gaz. vol. 188; p. 99.
- Fan or fan-blower. I. Benjamins. No. 1,055,308; Mar. 11; Gaz. vol. 188; p. 256.
- Fan or pump, Centrifugal. W. Hessling. No. 1,062,006; May 20; Gaz. vol. 190; p. 568.

Alphabetical list of inventions—Continued.

- Fan, Oscillating. B. A. Stowe. No. 1,058,488; Apr. 8; Gaz. vol. 189; p. 420.
- Fan, Propeller-. S. T. Fornander. No. 1,054,758; Mar. 4; Gaz. vol. 188; p. 36.
- Fan, pump, or the like, Centrifugal. O. B. Jacobsen. No. 1,058,592; Apr. 8; Gaz. vol. 189; p. 455.
- Fan, Rotary. W. Sparks. No. 1,056,226; Mar. 18; Gaz. vol. 188; p. 600.
- Fan, Rotary. W. Sparks. No. 1,072,189; Sept. 2; Gaz. vol. 194; p. 177.
- Fan spring-motor. C. H. von Hobenstein. No. 1,051,529; Jan. 28; Gaz. vol. 186; p. 856.
- Fan structure. F. P. Mies. No. 1,049,508; Jan. 7; Gaz. vol. 186; p. 63.
- Fan, Traveling. C. Chaney. No. 1,078,609; Nov. 18; Gaz. vol. 196; p. 533.
- Fan, Ventilating-. J. E. Ostrander. No. 1,050,994; Jan. 21; Gaz. vol. 186; p. 642.
- Fan, Ventilating-. S. A. McIntire. No. 1,063,275; June 3; Gaz. vol. 191; p. 36.
- Fan, Ventilating-. W. F. Rothenberg. No. 1,074,017; Sept. 23; Gaz. vol. 194; p. 900.
- Fans and the like, Attachment for electric. W. Nelson and J. W. Ruggaber. No. 1,064,524; June 10; Gaz. vol. 191; p. 498.
- Fans and the like, Device for retarding the discharge from suction-. S. C. Roberts. No. 1,074,743; Oct. 7; Gaz. vol. 195; p. 54.
- Fans, Cooling attachment for. J. M. Barry. No. 1,074,037; Sept. 23; Gaz. vol. 194; p. 907.
- Fans, Cooling attachment for motor-driven. W. A. Grover. No. 1,053,028; Feb. 11; Gaz. vol. 187; p. 436.
- Fanning-mill. L. T. and J. N. Skrivseth. No. 1,056,464; Mar. 18; Gaz. vol. 188; p. 681.
- Fanning-mill separator. N. G. Ek. No. 1,065,929; July 1; Gaz. vol. 192; p. 8.
- Fare-box. G. B. Kohler. No. 1,058,602; Apr. 8; Gaz. vol. 189; p. 458.
- Fare-box. G. B. Kohler. No. 1,065,146; June 17; Gaz. vol. 191; p. 738.
- Fare-box. G. B. Kohler. No. 1,068,782; July 29; Gaz. vol. 192; p. 1127.
- Fare-box. G. B. Kohler. No. 1,068,783; July 29; Gaz. vol. 192; p. 1128.
- Fare-box. G. B. Kohler. No. 1,068,784; July 29; Gaz. vol. 192; p. 1128.
- Fare-box. G. B. Kohler. No. 1,068,785; July 29; Gaz. vol. 192; p. 1128.
- Fare-box. G. B. Kohler. No. 1,076,584; Oct. 21; Gaz. vol. 195; p. 744.
- Fare-box. C. C. Voglesong. No. 1,080,738; Dec. 9; Gaz. vol. 197; p. 316.
- Fare-box, Street-car. V. Whitaker. No. 1,072,891; Sept. 9; Gaz. vol. 194; p. 450.
- Fare-collecting apparatus. C. H. Woods. No. 1,062,134; May 20; Gaz. vol. 190; p. 612.
- Fare-indicator. A. G. Decker. No. 1,058,222; Apr. 8; Gaz. vol. 189; p. 328.
- Fare-recording register. B. Volkmar. No. 1,053,252; Feb. 18; Gaz. vol. 187; p. 557.
- Fare-register. J. F. Ohmer. (Reissue.) No. 13,520; Jan. 28; Gaz. vol. 186; p. 964.
- Fare-register. B. Volkmar. No. 1,053,253; Feb. 18; Gaz. vol. 187; p. 558.
- Fare-register. L. Ehrlich. No. 1,066,264; July 1; Gaz. vol. 192; p. 129.
- Fare-register. L. J. Harris. No. 1,082,422; Dec. 23; Gaz. vol. 197; p. 950.
- Fare-register-actuating device. J. H. Towle. No. 1,067,156; July 8; Gaz. vol. 192; p. 462.
- Fare-register-actuating mechanism. J. F. Ohmer. No. 1,077,939; Nov. 4; Gaz. vol. 196; p. 240.
- Fare-register and passenger-register, Combined. W. C. McGimpsey. No. 1,051,906; Feb. 4; Gaz. vol. 187; p. 20.
- Fare-register-operating mechanism. J. F. Ohmer. (Reissue.) No. 13,566; May 20; Gaz. vol. 190; p. 764.
- Fare-register-operating mechanism. J. F. Ohmer. No. 1,067,131; July 8; Gaz. vol. 192; p. 453.
- Fare-register recording device. C. F. Littlejohn. No. 1,058,312; Apr. 8; Gaz. vol. 189; p. 359.
- Fare slip, Cash-. H. M. Higgins. No. 1,070,685; Aug. 19; Gaz. vol. 193; p. 620.
- Fares in taxicabs, Means for automatically recording in the taximeter extra. W. Tatham. No. 1,060,144; Apr. 29; Gaz. vol. 189; p. 1099.
- Farm-gate. F. Slattery. No. 1,051,280; Jan. 21; Gaz. vol. 186; p. 738.
- Farm-gate. J. H. Christopher. No. 1,053,786; Feb. 18; Gaz. vol. 187; p. 741.
- Farm-gate. C. C. Gish. No. 1,054,529; Feb. 25; Gaz. vol. 187; p. 1030.
- Farm-gate. J. Carroll. No. 1,056,776; Mar. 25; Gaz. vol. 188; p. 818.
- Farm-gate. E. F. and E. J. Stoddard. No. 1,058,487; Apr. 8; Gaz. vol. 189; p. 419.
- Farm-gate. H. F. Maloney. No. 1,058,612; Apr. 8; Gaz. vol. 189; p. 462.
- Farm-gate. J. W. Snedeker. No. 1,073,536; Sept. 16; Gaz. vol. 194; p. 711.
- Farm-gate. J. M. Spitler. No. 1,074,477; Sept. 30; Gaz. vol. 194; p. 1081.
- Farm-gate. M. D'lorenzo. No. 1,076,960; Oct. 28; Gaz. vol. 195; p. 930.
- Farm-gate. R. E. Porter. No. 1,078,375; Nov. 11; Gaz. vol. 196; p. 423.
- Farming implement. I. Brinkerhoff. No. 1,063,849; June 3; Gaz. vol. 191; p. 233.
- Farming implement. C. Harris. No. 1,074,569; Sept. 30; Gaz. vol. 194; p. 1110.
- Farrier's knife. J. W. Randall. No. 1,057,090; Mar. 25; Gaz. vol. 188; p. 927.
- Fastener. C. Joseph. No. 1,050,279; Jan. 14; Gaz. vol. 186; p. 359.
- Fastener. C. Joseph. No. 1,051,893; Feb. 4; Gaz. vol. 187; p. 16.
- Fastener. J. A. Graves. No. 1,058,746; Apr. 15; Gaz. vol. 189; p. 546.
- Fastener. J. Staggs. No. 1,067,281; July 15; Gaz. vol. 192; p. 542.
- Fastener. A. M. Ziegler. No. 1,068,620; July 29; Gaz. vol. 192; p. 1071.
- Fastener. F. M. Sturges. No. 1,069,495; Aug. 5; Gaz. vol. 193; p. 142.
- Fastener. C. A. Bryant. No. 1,070,403; Aug. 19; Gaz. vol. 193; p. 523.
- Fastener. G. N. Tompkins. No. 1,071,825; Sept. 2; Gaz. vol. 194; p. 54.
- Fastener. S. M. Fill. No. 1,071,902; Sept. 2; Gaz. vol. 194; p. 81.
- Fastener. J. H. Jerrim. No. 1,076,983; Oct. 28; Gaz. vol. 195; p. 938.
- Fastener. H. Rigert. No. 1,083,139; Dec. 30; Gaz. vol. 197; p. 1229.
- Fastener assembling and attaching machine. C. H. Pullon. No. 1,069,724; Aug. 12; Gaz. vol. 193; p. 248.
- Fastener, Automatic. A. E. Pollock and L. Rosenberg. No. 1,075,438; Oct. 14; Gaz. vol. 195; p. 320.
- Fastener for bags, trunks, &c. J. Hill. No. 1,056,333; Mar. 18; Gaz. vol. 188; p. 634.
- Fastener for buttons and analogous objects. J. R. G. Siegrist. No. 1,064,554; June 10; Gaz. vol. 191; p. 508.
- Fastener for gloves, shirt-waists, and the like. P. J. Kane. No. 1,069,433; Aug. 5; Gaz. vol. 193; p. 121.
- Fastener for paper bags, &c. A. Traut. No. 1,069,044; July 29; Gaz. vol. 192; p. 1218.
- Fastener for vehicle-tops, gloves, and the like, Two-part. C. W. Beck. No. 1,065,498; June 24; Gaz. vol. 191; p. 896.
- Fastener, Separable. G. Sundback. No. 1,060,378; Apr. 29; Gaz. vol. 189; p. 1182.
- Fastener, Separable. P. A. Aronson. No. 1,060,412; Apr. 29; Gaz. vol. 189; p. 1195.
- Fastener, Separable. P. Phillips. No. 1,068,530; July 29; Gaz. vol. 192; p. 1039.
- Fastener-setting machine. C. F. Dudley. No. 1,049,463; Jan. 7; Gaz. vol. 186; p. 49.
- Fastener suitable for show-cases and other purposes. J. S. Bruce. No. 1,062,763; May 27; Gaz. vol. 190; p. 862.
- Fastener supplying and delivering mechanism. G. Goddu. No. 1,076,280; Oct. 21; Gaz. vol. 195; p. 635.
- Fasteners, Machine for forming corrugated metal. E. S. Norton and C. J. Berndt. No. 1,070,282; Aug. 12; Gaz. vol. 193; p. 440.
- Fasteners, Machine for making and driving corrugated sheet-metal. W. H. Ray. No. 1,064,007; June 10; Gaz. vol. 191; p. 321.
- Fasteners, One-piece cap for snap-. E. D. Simons. No. 1,083,262; Dec. 30; Gaz. vol. 197; p. 1266.
- Fastening. K. D. Stevenson. No. 1,055,294; Mar. 4; Gaz. vol. 188; p. 213.
- Fastening-clip. C. C. Barnes. No. 1,068,837; July 29; Gaz. vol. 192; p. 1148.
- Fastening device. O. E. McCrea. No. 1,052,682; Feb. 11; Gaz. vol. 187; p. 319.
- Fastening device. J. Carlson. No. 1,054,824; Mar. 4; Gaz. vol. 188; p. 60.
- Fastening device. A. G. Mead. No. 1,057,652; Apr. 1; Gaz. vol. 189; p. 87.
- Fastening device. A. J. Poetzsch. No. 1,059,630; Apr. 22; Gaz. vol. 189; p. 885.
- Fastening device. P. Wineman. No. 1,060,726; May 6; Gaz. vol. 190; p. 56.
- Fastening device. L. H. Arens. No. 1,062,075; May 20; Gaz. vol. 190; p. 591.
- Fastening device. A. F. Dixon. No. 1,062,145; May 20; Gaz. vol. 190; p. 616.
- Fastening device. G. P. Bump. No. 1,065,903; June 24; Gaz. vol. 191; p. 1033.
- Fastening device. W. H. Torian. No. 1,071,190; Aug. 26; Gaz. vol. 193; p. 820.
- Fastening device. W. Cupper. No. 1,071,986; Sept. 2; Gaz. vol. 194; p. 108.
- Fastening device. F. P. Warren. No. 1,080,030; Dec. 2; Gaz. vol. 197; p. 39.
- Fastening device, Adjustable. H. C. Hazard. No. 1,081,610; Dec. 16; Gaz. vol. 197; p. 646.

Alphabetical list of inventions—Continued.

- Fastening elements, Apparatus for modifying the size of. O. N. Tevander and A. Manierre. No. 1,078,705; Nov. 18; Gaz. vol. 196; p. 567.
- Fastening-inserting machine. L. A. Casgrain. No. 1,053,479; Feb. 18; Gaz. vol. 187; p. 636.
- Fastening-inserting machine. L. A. Casgrain. No. 1,054,173; Feb. 25; Gaz. vol. 187; p. 909.
- Fastening-inserting machine. W. Pratt and G. Pegg. No. 1,070,066; Aug. 12; Gaz. vol. 193; p. 364.
- Fastening-inserting machine. F. L. MacKenzie. No. 1,070,272; Aug. 12; Gaz. vol. 193; p. 436.
- Fastening-inserting machine. G. Goddu. No. 1,076,279; Oct. 21; Gaz. vol. 195; p. 635.
- Fastening-inserting machine. F. D. Locke. No. 1,081,975; Dec. 23; Gaz. vol. 197; p. 797.
- Fat and the like, Making hardened. C. Ellis. No. 1,059,720; Apr. 22; Gaz. vol. 189; p. 915.
- Fat compound, &c., Composite hydrogenated. C. Ellis. No. 1,070,331; Aug. 12; Gaz. vol. 193; p. 457.
- Fat product, Hydrogenated edible. C. Ellis. No. 1,058,738; Apr. 15; Gaz. vol. 189; p. 543.
- Fats and fatty oils into glycerin and fatty acids, Hydrolyzing. G. Petroff. No. 1,079,437; Nov. 25; Gaz. vol. 196; p. 848.
- Fats and oils, Decomposition of. B. E. Reuter. No. 1,068,079; July 22; Gaz. vol. 192; p. 846.
- Fats of all kinds, Bleaching solid and semisolid. F. Richter and L. von Orth. No. 1,072,034; Sept. 2; Gaz. vol. 194; p. 125.
- Fats, oils, and fish-oils into like bodies of higher melting-points, Apparatus for converting. M. Wilbuschewitsch. No. 1,079,278; Nov. 18; Gaz. vol. 196; p. 763.
- Fats, oils, and waxes, Dissociating. H. von Schönthan. No. 1,058,633; Apr. 8; Gaz. vol. 189; p. 468.
- Fatty substances from oil, Manufacture of solid. J. Schlinck. No. 1,082,707; Dec. 30; Gaz. vol. 197; p. 1083.
- Faucet. G. S. Clements. No. 1,049,673; Jan. 7; Gaz. vol. 186; p. 121.
- Faucet. A. F. Moneuse. No. 1,049,898; Jan. 7; Gaz. vol. 186; p. 196.
- Faucet. C. A. Schneible. No. 1,050,176; Jan. 14; Gaz. vol. 186; p. 325.
- Faucet. A. L. Glantzner. No. 1,051,100; Jan. 21; Gaz. vol. 186; p. 679.
- Faucet. A. W. Wheaton. No. 1,052,296; Feb. 4; Gaz. vol. 187; p. 155.
- Faucet. S. G. Brown. No. 1,055,704; Mar. 11; Gaz. vol. 188; p. 388.
- Faucet. J. E. Brannon and P. Michael. No. 1,059,824; Apr. 22; Gaz. vol. 189; p. 949.
- Faucet. W. J. Thoman. No. 1,059,953; Apr. 22; Gaz. vol. 189; p. 992.
- Faucet. J. A. Petro. No. 1,062,112; May 20; Gaz. vol. 190; p. 604.
- Faucet. W. Wilcox. No. 1,063,757; June 3; Gaz. vol. 191; p. 203.
- Faucet. G. W. Burr. No. 1,063,850; June 3; Gaz. vol. 191; p. 233.
- Faucet. D. Scanlan. No. 1,064,014; June 10; Gaz. vol. 191; p. 324.
- Faucet. W. A. Schmeikal. No. 1,064,549; June 10; Gaz. vol. 191; p. 507.
- Faucet. C. A. Habenicht. No. 1,067,108; July 8; Gaz. vol. 192; p. 445.
- Faucet. F. P. Gillett. No. 1,069,871; Aug. 12; Gaz. vol. 193; p. 300.
- Faucet. P. J. Lindgren. No. 1,075,483; Oct. 14; Gaz. vol. 195; p. 336.
- Faucet. L. Abramovitz. No. 1,075,999; Oct. 14; Gaz. vol. 195; p. 512.
- Faucet. C. J. Coffman. No. 1,077,122; Oct. 28; Gaz. vol. 195; p. 983.
- Faucet. W. Cacko. No. 1,078,252; Nov. 11; Gaz. vol. 196; p. 378.
- Faucet. E. W. Vickrey. No. 1,078,325; Nov. 11; Gaz. vol. 196; p. 405.
- Faucet. G. Rollwing. No. 1,080,369; Dec. 2; Gaz. vol. 197; p. 159.
- Faucet. S. Held. No. 1,082,154; Dec. 23; Gaz. vol. 197; p. 857.
- Faucet. W. E. Hodgdon. No. 1,082,329; Dec. 23; Gaz. vol. 197; p. 921.
- Faucet. C. S. White. No. 1,082,575; Dec. 30; Gaz. vol. 197; p. 1037.
- Faucet. F. J. Wolff. No. 1,082,988; Dec. 30; Gaz. vol. 197; p. 1180.
- Faucet and bung, Reversible. C. T. Draper. No. 1,070,880; Aug. 19; Gaz. vol. 193; p. 682.
- Faucet and drinking-fountain, Combined. E. A. Meacham. No. 1,050,971; Jan. 21; Gaz. vol. 186; p. 634.
- Faucet, Antiscald-. J. R. Boutell. No. 1,061,975; May 20; Gaz. vol. 190; p. 557.
- Faucet, Antiscald-. J. R. Boutell. No. 1,074,101; Sept. 30; Gaz. vol. 194; p. 958.
- Faucet-attaching device. C. F. Schriener. No. 1,055,234; Mar. 4; Gaz. vol. 188; p. 193.
- Faucet attachment. J. W. Shephard and F. A. Jones. No. 1,058,636; Apr. 8; Gaz. vol. 189; p. 469.
- Faucet attachment. J. W. Shephard and F. A. Jones. No. 1,058,637; Apr. 8; Gaz. vol. 189; p. 469.
- Faucet attachment. J. Regar. No. 1,078,379; Nov. 11; Gaz. vol. 196; p. 425.
- Faucet attachment, Fluid-mixing. L. Davis. No. 1,080,957; Dec. 9; Gaz. vol. 197; p. 393.
- Faucet attachment, Sanitary. C. E. Kells, Jr. No. 1,080,562; Dec. 9; Gaz. vol. 197; p. 256.
- Faucet, Automatic registering-. H. W. Ritchey. No. 1,062,035; May 20; Gaz. vol. 190; p. 578.
- Faucet, Automatic self-closing compound mixing-. J. G. Huye. No. 1,061,293; May 13; Gaz. vol. 190; p. 285.
- Faucet, Beer-. R. A. Champion. No. 1,051,554; Jan. 28; Gaz. vol. 186; p. 865.
- Faucet, Beer-. T. R. Beggs. No. 1,077,387; Nov. 4; Gaz. vol. 196; p. 51.
- Faucet-bung. D. Beebe. No. 1,080,805; Dec. 9; Gaz. vol. 197; p. 341.
- Faucet, Carbonating-. A. R. Gross. No. 1,067,021; July 8; Gaz. vol. 192; p. 415.
- Faucet-closure for cans. D. B. Tamagno. No. 1,075,611; Oct. 14; Gaz. vol. 195; p. 380.
- Faucet, Combination-. G. Gaither. No. 1,059,138; Apr. 15; Gaz. vol. 189; p. 683.
- Faucet, Combination-. W. H. and J. E. Miller and W. H. Orgel. No. 1,078,939; Nov. 18; Gaz. vol. 196; p. 647.
- Faucet-coupling. H. E. Marcy. No. 1,069,712; Aug. 12; Gaz. vol. 193; p. 244.
- Faucet-drinking-spout attachment. P. A. Schuchart. No. 1,067,443; July 15; Gaz. vol. 192; p. 597.
- Faucet for bottles, Self-venting. W. E. Soper. No. 1,062,615; May 27; Gaz. vol. 190; p. 815.
- Faucet, Mixing-. W. L. Ross. No. 1,071,464; Aug. 26; Gaz. vol. 193; p. 911.
- Faucet or mixing-valve, Combination-. J. W. Haller. No. 1,068,125; July 22; Gaz. vol. 192; p. 860.
- Faucet or valve, Globe. C. H. Klee. No. 1,064,660; June 10; Gaz. vol. 191; p. 543.
- Faucet-protecting attachment. E. W. Buckingham. No. 1,056,735; Mar. 18; Gaz. vol. 188; p. 774.
- Faucet, Self-closing. P. W. Gorman. No. 1,065,521; June 24; Gaz. vol. 191; p. 903.
- Faucet, Self-closing basin-. A. M. Houser. No. 1,069,876; Aug. 12; Gaz. vol. 193; p. 301.
- Faucet, Syrup-measuring. W. H. Gillespie. No. 1,053,169; Feb. 18; Gaz. vol. 187; p. 529.
- Faucet, valve, or cock. J. C. Sanders. No. 1,058,267; Apr. 8; Gaz. vol. 189; p. 344.
- Faucet, Washerless. H. C. Brown. No. 1,071,294; Aug. 26; Gaz. vol. 193; p. 855.
- Faucet, Washerless. H. C. Brown. No. 1,071,504; Aug. 26; Gaz. vol. 193; p. 924.
- Faucet, Water-. D. G. De Milt. No. 1,054,910; Mar. 4; Gaz. vol. 188; p. 88.
- Faucet, Water-cooler. W. E. Patnaude. No. 1,078,213; Nov. 11; Gaz. vol. 196; p. 365.
- Faucets, &c., Attachment for. C. J. Manning. No. 1,071,165; Aug. 26; Gaz. vol. 193; p. 812.
- Feathers, Holder and attacher for. M. H. Tisne. No. 1,077,653; Nov. 4; Gaz. vol. 196; p. 142.
- Feed and litter carrier. H. L. Ferris. No. 1,056,523; Mar. 18; Gaz. vol. 188; p. 703.
- Feed-bag. E. L. McAllister. No. 1,054,226; Feb. 25; Gaz. vol. 187; p. 928.
- Feed-bag. J. H. Beals. No. 1,056,730; Mar. 18; Gaz. vol. 188; p. 773.
- Feed-bag. J. Gamberczky. No. 1,056,787; Mar. 25; Gaz. vol. 188; p. 822.
- Feed-bag. W. Worgan. No. 1,058,129; Apr. 8; Gaz. vol. 189; p. 296.
- Feed-bag. J. Conradi. No. 1,075,764; Oct. 14; Gaz. vol. 195; p. 432.
- Feed-bag for animals. G. A. Burnham. No. 1,075,758; Oct. 14; Gaz. vol. 195; p. 430.
- Feed-bag, Horse. H. Klenert. No. 1,064,745; June 17; Gaz. vol. 191; p. 609.
- Feed-bag support. P. J. Flynn. No. 1,053,721; Feb. 18; Gaz. vol. 187; p. 721.
- Feed-bag, &c., ventilator. W. R. Smith. No. 1,050,865; Jan. 21; Gaz. vol. 186; p. 596.
- Feed-box. H. W. Callahan. No. 1,072,570; Sept. 9; Gaz. vol. 194; p. 337.
- Feed-box, Folding. B. J. Young. No. 1,049,963; Jan. 7; Gaz. vol. 186; p. 217.
- Feed-controlling device. D. W. Shollenberger. No. 1,066,440; July 1; Gaz. vol. 192; p. 185.
- Feed-cutter conveyor. M. Freeman. No. 1,067,514; July 15; Gaz. vol. 192; p. 621.
- Feed device. W. W. Bird and L. W. Rawson. No. 1,064,700; June 17; Gaz. vol. 191; p. 593.
- Feed, Four-motion. C. S. Batdorf. No. 1,079,322; Nov. 25; Gaz. vol. 196; p. 810.
- Feed-head fastener. C. I. Dodson. No. 1,073,101; Sept. 16; Gaz. vol. 194; p. 561.
- Feed hopper, Poultry-. J. M. Franklin. No. 1,079,231; Nov. 18; Gaz. vol. 196; p. 750.
- Feed, Making poultry. W. C. Bohrmann. No. 1,057,215; Mar. 25; Gaz. vol. 188; p. 970.
- Feed mechanism. S. E. Diescher. No. 1,067,805; July 22; Gaz. vol. 192; p. 753.

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- Feed mechanism. E. J. F. Rea. No. 1,074,067; Sept. 23; Gaz. vol. 194; p. 916.
- Feed-mill. H. G. McCulloch. No. 1,050,369; Jan. 14; Gaz. vol. 186; p. 391.
- Feed-mixer. J. A. Craig. No. 1,061,987; May 20; Gaz. vol. 190; p. 561.
- Feed-mixer. E. S. Dixon and H. E. Werner. No. 1,062,086; May 20; Gaz. vol. 190; p. 596.
- Feed-mixer. R. H. Driscoll. No. 1,077,814; Nov. 4; Gaz. vol. 196; p. 196.
- Feed-regulator. R. V. Craggs. No. 1,054,509; Feb. 25; Gaz. vol. 187; p. 1024.
- Feed-regulator. J. C. Schaffer. No. 1,059,005; Apr. 15; Gaz. vol. 189; p. 638.
- Feed-regulator. W. L. Dines, Jr. No. 1,061,731; May 13; Gaz. vol. 190; p. 438.
- Feed-regulator. W. Watts. No. 1,073,193; Sept. 16; Gaz. vol. 194; p. 592.
- Feed-roller. J. B. Ladd and D. Baker. No. 1,081,969; Dec. 23; Gaz. vol. 197; p. 795.
- Feed-table. L. C. Steele. No. 1,050,400; Jan. 14; Gaz. vol. 186; p. 401.
- Feed-trough. E. G. Eagan. No. 1,060,326; Apr. 29; Gaz. vol. 189; p. 1164.
- Feed-trough. F. J. Schisler. No. 1,067,377; July 15; Gaz. vol. 192; p. 575.
- Feed-trough for poultry. R. C. Sutton. No. 1,078,524; Nov. 11; Gaz. vol. 196; p. 472.
- Feed-water-circulating system for boilers. F. Marsh and J. G. Phillips. No. 1,057,566; Apr. 1; Gaz. vol. 189; p. 58.
- Feed-water controller and low-water alarm for boilers. L. S. Watres. No. 1,050,185; Jan. 14; Gaz. vol. 186; p. 327.
- Feed-water controller for boilers. Safety. F. Wallace and F. Ernst. No. 1,074,536; Sept. 30; Gaz. vol. 194; p. 1099.
- Feed-water controller or regulator. J. H. Murray. No. 1,052,267; Feb. 4; Gaz. vol. 187; p. 146.
- Feed-water heater. J. Muchka. No. 1,056,044; Mar. 18; Gaz. vol. 188; p. 537.
- Feed-water heater. W. S. Elliott. No. 1,056,895; Mar. 25; Gaz. vol. 188; p. 859.
- Feed-water heater. H. H. Vaughan. No. 1,069,360; Aug. 5; Gaz. vol. 193; p. 95.
- Feed-water heater. D. T. Williams. No. 1,078,026; Nov. 11; Gaz. vol. 196; p. 301.
- Feed-water heater and purifier. J. W. Stephens. No. 1,053,070; Feb. 11; Gaz. vol. 187; p. 451.
- Feed-water heater and purifier. D. McDonald. No. 1,063,132; May 27; Gaz. vol. 190; p. 984.
- Feed-water heater and purifier. T. O. Organ. No. 1,081,138; Dec. 9; Gaz. vol. 197; p. 450.
- Feed-water heater for locomotive-boilers. A. Dennett and C. Didier. No. 1,049,819; Jan. 7; Gaz. vol. 186; p. 171.
- Feed-water heater, Locomotive. F. J. Gilroy. No. 1,050,451; Jan. 14; Gaz. vol. 186; p. 420.
- Feed-water heating and purifying attachment for boilers. W. H. Kay. No. 1,053,106; Dec. 30; Gaz. vol. 197; p. 1219.
- Feed-water heating and purifying means. R. W. Parry. No. 1,064,855; June 17; Gaz. vol. 191; p. 644.
- Feed-water-heating apparatus. W. B. Hammond. No. 1,051,996; Feb. 4; Gaz. vol. 187; p. 51.
- Feed-water-heating arrangement on steamships. W. Weir. No. 1,056,075; Mar. 18; Gaz. vol. 188; p. 548.
- Feed-water purifier. E. E. Ackerman. No. 1,051,182; Jan. 21; Gaz. vol. 186; p. 706.
- Feed-water purifier. C. H. Cort. No. 1,064,195; June 10; Gaz. vol. 191; p. 387.
- Feed-water-purifying compounds. Heating and feeding apparatus for. S. E. Buck. No. 1,063,116; May 27; Gaz. vol. 190; p. 979.
- Feed-water regulator. W. E. Zierden. No. 1,051,302; Jan. 21; Gaz. vol. 186; p. 746.
- Feed-water regulator. T. Elliott. No. 1,067,904; July 22; Gaz. vol. 192; p. 786.
- Feed-water regulator, Engine. O. C. Moore. No. 1,050,745; Jan. 14; Gaz. vol. 186; p. 518.
- Feed-water regulator for steam-boilers and the like. A. R. Trist. No. 1,065,565; June 24; Gaz. vol. 191; p. 919.
- Feed-water to water-heaters, Control of. W. B. D. Ponningshaus. No. 1,070,912; Aug. 19; Gaz. vol. 193; p. 693.
- Feeds, Pressure-plate for automatic. J. W. Scott. No. 1,054,718; Mar. 4; Gaz. vol. 188; p. 21.
- Feeder. C. L. Carman. No. 1,069,527; Aug. 5; Gaz. vol. 193; p. 152.
- Feeder and mixer, Adjustable. J. L. Willford. No. 1,061,348; May 13; Gaz. vol. 190; p. 304.
- Feeder, Bee. J. Enhelder. No. 1,056,783; Mar. 25; Gaz. vol. 188; p. 821.
- Feeder, Calif. J. Moore. No. 1,062,657; May 27; Gaz. vol. 190; p. 828.
- Feeder, Calif. C. D. Davis. No. 1,074,313; Sept. 30; Gaz. vol. 194; p. 1027.
- Feeder, Entrance bee. F. Danzenbaker. No. 1,056,266; Mar. 18; Gaz. vol. 188; p. 614.
- Feeder for live stock. H. E. Siddons. No. 1,070,850; Aug. 19; Gaz. vol. 193; p. 673.
- Feeder for live stock, Salt. E. E. Myer and O. P. Hawkins. No. 1,081,134; Dec. 9; Gaz. vol. 197; p. 449.
- Feeder, Poultry. J. C. Schott. No. 1,058,796; Apr. 15; Gaz. vol. 189; p. 562.
- Feeder, Poultry. G. K. Gillette. No. 1,064,315; June 10; Gaz. vol. 191; p. 427.
- Feeder Poultry. M. H. Hinkle and G. E. Fritz. No. 1,067,338; July 15; Gaz. vol. 192; p. 562.
- Feeder, Poultry. H. F. Leichtfuss. No. 1,067,824; July 22; Gaz. vol. 192; p. 760.
- Feeder, Poultry. H. Schultz. No. 1,071,097; Aug. 26; Gaz. vol. 193; p. 790.
- Feeder, Poultry. M. H. Hinkle. No. 1,078,094; Nov. 11; Gaz. vol. 196; p. 325.
- Feeder, Poultry. C. L. Tawney. No. 1,078,646; Nov. 18; Gaz. vol. 196; p. 545.
- Feeder, Poultry. G. W. Heath. No. 1,078,853; Nov. 18; Gaz. vol. 196; p. 620.
- Feeder, Poultry automatic water. J. H. Crowell. No. 1,076,351; Oct. 21; Gaz. vol. 195; p. 661.
- Feeder, Stock. S. F. Webb. No. 1,061,710; May 13; Gaz. vol. 190; p. 431.
- Feeder-support. C. J. Mullin. No. 1,063,827; June 3; Gaz. vol. 191; p. 227.
- Feeder, Time-controlled stock. C. Daminaitis. No. 1,076,193; Oct. 21; Gaz. vol. 195; p. 606.
- Feeding and cutting mechanism. H. Müller. No. 1,065,621; June 24; Gaz. vol. 191; p. 937.
- Feeding and measuring device. W. R. Schwab. No. 1,053,068; Feb. 11; Gaz. vol. 187; p. 450.
- Feeding and watering poultry, Device for. J. A. Reavis. No. 1,051,823; Jan. 28; Gaz. vol. 186; p. 953.
- Feeding apparatus. J. C. Ahern. No. 1,054,482; Feb. 25; Gaz. vol. 187; p. 1015.
- Feeding apparatus. A. R. Hoffmann. No. 1,054,548; Feb. 25; Gaz. vol. 187; p. 1036.
- Feeding apples, Apparatus for. B. C. Coons. No. 1,070,416; Aug. 19; Gaz. vol. 193; p. 528.
- Feeding device. G. W. Mix. No. 1,071,941; Sept. 2; Gaz. vol. 194; p. 94.
- Feeding device. J. J. Doidge. No. 1,077,055; Oct. 28; Gaz. vol. 195; p. 963.
- Feeding device, Animal. G. W. Wilson. No. 1,057,104; Mar. 25; Gaz. vol. 188; p. 932.
- Feeding device, Poultry. L. C. Edwards. No. 1,052,804; Feb. 11; Gaz. vol. 187; p. 360.
- Feeding device, Poultry. J. F. Haffey. No. 1,069,943; Aug. 12; Gaz. vol. 193; p. 323.
- Feeding device, Stock. F. H. Schultz. No. 1,080,931; Dec. 9; Gaz. vol. 197; p. 384.
- Feeding mechanism. E. Van Hoofstadt. No. 1,050,875; Jan. 21; Gaz. vol. 186; p. 599.
- Feeding mechanism. W. G. Kirchhoff. No. 1,061,753; May 13; Gaz. vol. 190; p. 445.
- Feeding mechanism. C. A. Cheshire. No. 1,073,215; Sept. 16; Gaz. vol. 194; p. 601.
- Feeding mechanism. C. J. Fancher. No. 1,074,703; Oct. 7; Gaz. vol. 195; p. 41.
- Feeding mechanism. M. J. Welling. No. 1,075,276; Oct. 7; Gaz. vol. 195; p. 239.
- Feeding mechanism. H. C. Baker. No. 1,075,535; Oct. 14; Gaz. vol. 195; p. 354.
- Feeding mechanism. C. J. Fancher. No. 1,077,266; Nov. 4; Gaz. vol. 196; p. 8.
- Feeding mechanism. C. A. Cheshire. No. 1,077,390; Nov. 4; Gaz. vol. 196; p. 52.
- Felly, Spring. F. M. Prather. No. 1,079,925; Nov. 25; Gaz. vol. 196; p. 1021.
- Felt, Endless. A. H. Bogani and W. E. Sheehan. No. 1,062,877; May 27; Gaz. vol. 190; p. 900.
- Felting-machine. G. Calvi. No. 1,069,850; Aug. 12; Gaz. vol. 193; p. 292.
- Fence. G. H. McMullen. No. 1,055,775; Mar. 11; Gaz. vol. 188; p. 413.
- Fence. J. J. Dun. No. 1,064,821; June 17; Gaz. vol. 191; p. 633.
- Fence-clamp. J. C. McHenry. No. 1,053,050; Feb. 11; Gaz. vol. 187; p. 444.
- Fence-clamp. R. L. Stringfellow. No. 1,069,634; Aug. 5; Gaz. vol. 193; p. 188.
- Fence-clamp. H. W. Gough. No. 1,069,690; Aug. 12; Gaz. vol. 193; p. 236.
- Fence-clamp. J. G. Russell. No. 1,069,727; Aug. 12; Gaz. vol. 193; p. 249.
- Fence clamp, Wire. M. H. Elliott. No. 1,051,204; Jan. 21; Gaz. vol. 186; p. 713.
- Fence clamp, Wire. H. W. Gaines. No. 1,073,228; Sept. 16; Gaz. vol. 194; p. 606.
- Fence clamp, Wire. C. J. Livering. No. 1,078,155; Nov. 11; Gaz. vol. 196; p. 345.
- Fence construction, Portable and stationary wire. C. D. Bennett. No. 1,068,206; July 22; Gaz. vol. 192; p. 889.
- Fence-dropper. W. Dall. No. 1,075,769; Oct. 14; Gaz. vol. 195; p. 433.
- Fence-end tool. A. W. Sprague and J. A. Cocker. No. 1,065,474; June 24; Gaz. vol. 191; p. 888.
- Fence, Fabric. H. P. Willsey. No. 1,055,586; Mar. 11; Gaz. vol. 188; p. 348.

Alphabetical list of inventions—Continued.

- Fence, Flood-. F. Krupicka. No. 1,059,881; Apr. 22; Gaz. vol. 189; p. 967.
- Fence-gap fastener. G. M. Altman. No. 1,073,063; Sept. 9; Gaz. vol. 194; p. 511.
- Fence-gate. E. E. Ertzman. No. 1,056,740; Mar. 18; Gaz. vol. 188; p. 776.
- Fence-gate. H. G. Bemis. No. 1,073,563; Sept. 16; Gaz. vol. 194; p. 722.
- Fence guard, Wire-. L. S. Branson. No. 1,051,674; Jan. 28; Gaz. vol. 186; p. 905.
- Fence machine, Wire-. G. W. Whittington. No. 1,066,561; July 8; Gaz. vol. 192; p. 258.
- Fence machine, Wire-. W. N. Parrish. No. 1,075,374; Oct. 14; Gaz. vol. 195; p. 298.
- Fence machine, Wire-. W. N. Parrish. No. 1,075,375; Oct. 14; Gaz. vol. 195; p. 299.
- Fence machine, Wire-. J. A. Holmquist. No. 1,082,697; Dec. 30; Gaz. vol. 197; p. 1079.
- Fence-post. M. Pitluck and J. D. Smithers. No. 1,050,389; Jan. 14; Gaz. vol. 186; p. 398.
- Fence-post. A. Young. No. 1,050,589; Jan. 14; Gaz. vol. 186; p. 469.
- Fence-post. B. F. Carpenter. No. 1,051,679; Jan. 28; Gaz. vol. 186; p. 906.
- Fence-post. M. McGregor. No. 1,053,522; Feb. 18; Gaz. vol. 187; p. 651.
- Fence-post. M. Murray. No. 1,057,260; Mar. 25; Gaz. vol. 188; p. 985.
- Fence-post. H. D. Clark. No. 1,058,035; Apr. 8; Gaz. vol. 189; p. 262.
- Fence-post. D. J. McGill. No. 1,061,097; May 6; Gaz. vol. 190; p. 184.
- Fence-post. F. F. Tobias. No. 1,063,142; May 27; Gaz. vol. 190; p. 987.
- Fence-post. J. B. Rohe. No. 1,065,471; June 24; Gaz. vol. 191; p. 887.
- Fence-post. W. J. Halsall. No. 1,068,765; July 29; Gaz. vol. 192; p. 1121.
- Fence-post. R. W. Gray. No. 1,069,939; Aug. 12; Gaz. vol. 193; p. 322.
- Fence-post. M. E. Johnson. No. 1,070,261; Aug. 12; Gaz. vol. 193; p. 432.
- Fence-post. J. G. Russell. No. 1,071,093; Aug. 26; Gaz. vol. 193; p. 788.
- Fence-post. E. E. McCord. No. 1,073,772; Sept. 23; Gaz. vol. 194; p. 818.
- Fence-post. J. Welfe. No. 1,075,390; Oct. 14; Gaz. vol. 195; p. 306.
- Fence-post. W. A. Swim. No. 1,076,328; Oct. 21; Gaz. vol. 195; p. 653.
- Fence-post. W. L. Collins. No. 1,080,048; Dec. 2; Gaz. vol. 197; p. 45.
- Fence-post. A. E. Hanson. No. 1,080,057; Dec. 2; Gaz. vol. 197; p. 48.
- Fence-post. T. W. Wright. No. 1,081,076; Dec. 9; Gaz. vol. 197; p. 429.
- Fence-post. E. H. Lehrke. No. 1,081,845; Dec. 16; Gaz. vol. 197; p. 726.
- Fence-post. W. L. McCain. No. 1,081,976; Dec. 23; Gaz. vol. 197; p. 798.
- Fence-post and wire-clamp, Combined. G. H. Meyer. No. 1,066,299; July 1; Gaz. vol. 192; p. 142.
- Fence-post and wire-fastener, Combined. I. E. Chenoweth. No. 1,064,709; June 17; Gaz. vol. 191; p. 597.
- Fence-post brace. L. Olson. No. 1,056,576; Mar. 18; Gaz. vol. 188; p. 720.
- Fence-post, Cement. B. E. Avery and G. H. Fife. No. 1,055,596; Mar. 11; Gaz. vol. 188; p. 352.
- Fence-post, Composition. R. B. Bennett. No. 1,079,829; Nov. 25; Gaz. vol. 196; p. 987.
- Fence-post, Metal. R. E. Tesreau and L. F. Sundman. No. 1,049,549; Jan. 7; Gaz. vol. 186; p. 79.
- Fence-post, Metal. H. Higgin. No. 1,056,173; Mar. 18; Gaz. vol. 188; p. 582.
- Fence-post, Metal. W. M. Lewis. No. 1,075,984; Oct. 14; Gaz. vol. 195; p. 507.
- Fence-post, Metallic. H. Higgin. No. 1,056,172; Mar. 18; Gaz. vol. 188; p. 581.
- Fence-post, Metallic. H. D. Clark. No. 1,075,899; Oct. 14; Gaz. vol. 195; p. 477.
- Fence-post mold. A. Fleming. No. 1,049,352; Jan. 7; Gaz. vol. 187; p. 1047.
- Fence-post mold. S. L. Clark. No. 1,073,471; Sept. 16; Gaz. vol. 194; p. 692.
- Fence-post molding. S. L. Clark. No. 1,073,472; Sept. 16; Gaz. vol. 194; p. 692.
- Fence-post, Reinforced. J. H. Downs. No. 1,056,515; Mar. 18; Gaz. vol. 188; p. 700.
- Fence-stretcher. N. B. Moran. No. 1,055,940; Mar. 11; Gaz. vol. 188; p. 468.
- Fence stretcher, Wire-. C. A. Howell. No. 1,068,587; July 29; Gaz. vol. 192; p. 1059.
- Fence stretcher, Wire-. W. A. Medlin. No. 1,069,892; Aug. 12; Gaz. vol. 193; p. 307.
- Fence stretcher, Wire-. W. H. and T. A. Mears. No. 1,074,278; Sept. 30; Gaz. vol. 194; p. 1016.
- Fence, Wire. E. A. Becker. No. 1,070,390; Aug. 19; Gaz. vol. 193; p. 519.
- Fence-wire fastener. C. L. Arnwine. No. 1,054,164; Feb. 25; Gaz. vol. 187; p. 905.
- Fence-wire fastener for fence-posts. J. Fisher. No. 1,079,043; Nov. 18; Gaz. vol. 196; p. 686.
- Fences, &c., Metallic fabric for. M. Lachman. No. 1,051,126; Jan. 21; Gaz. vol. 186; p. 687.
- Fencing and the like post. T. W. Wright. No. 1,081,077; Dec. 9; Gaz. vol. 197; p. 429.
- Fencing and the like, Wire. A. W. Storey. No. 1,071,822; Sept. 2; Gaz. vol. 194; p. 53.
- Fencing, Wire. D. E. McAlister. No. 1,064,756; June 17; Gaz. vol. 191; p. 614.
- Fender. See Automobile-fender; Automobile and car fender; Car-fender; Clod-fender; Cultivator-fender; Engine-fender; Plow-fender; Rake-fender; Vehicle-fender; Wheel-fender.
- Fender. W. L. and W. A. Ross. No. 1,056,586; Mar. 18; Gaz. vol. 188; p. 724.
- Fender. L. R. Flint. No. 1,081,821; Dec. 16; Gaz. vol. 197; p. 717.
- Fender and blower, Combined. C. S. Blackburn. No. 1,049,653; Jan. 7; Gaz. vol. 186; p. 115.
- Fender and bumper device, Combination. J. S. Yoast. No. 1,060,395; Apr. 29; Gaz. vol. 189; p. 1188.
- Fender-operating mechanism. W. D. Wright. No. 1,068,474; July 29; Gaz. vol. 192; p. 1020.
- Fender-operating mechanism. W. D. Wright. No. 1,068,475; July 29; Gaz. vol. 192; p. 1021.
- Ferment, Producing digestive. H. Yenjo. No. 1,065,575; June 24; Gaz. vol. 191; p. 922.
- Fermentable or other substances, Apparatus for the mixture in predetermined proportions of two diverse. J. A. Stevenson. No. 1,071,530; Aug. 26; Gaz. vol. 193; p. 933.
- Fermentable substances, Treatment of. J. A. Stevenson. No. 1,051,171; Jan. 21; Gaz. vol. 186; p. 702.
- Fermentation, Compound for accelerating. W. G. Andrews. No. 1,063,177; June 3; Gaz. vol. 191; p. 3.
- Fermentation, Promoting. E. Pohl. No. 1,074,814; Oct. 7; Gaz. vol. 195; p. 77.
- Fermentation vessels, Treating large. H. Held. No. 1,076,424; Oct. 21; Gaz. vol. 195; p. 687.
- Ferric chlorid, Making. H. H. Dow and A. E. Schaefer. No. 1,054,400; Feb. 25; Gaz. vol. 187; p. 988.
- Ferrocromium and producing solid ingots, Treating crude. J. T. Morehead and J. B. Huffard. No. 1,057,078; Mar. 25; Gaz. vol. 188; p. 921.
- Ferrosoferric oxid, Manufacture and use of. H. Goldschmidt. No. 1,075,709; Oct. 14; Gaz. vol. 195; p. 413.
- Ferrotungsten, Dephosphorizing. F. M. Becket. No. 1,081,569; Dec. 16; Gaz. vol. 197; p. 633.
- Ferrule. P. Muschiol. No. 1,079,258; Nov. 18; Gaz. vol. 196; p. 757.
- Ferrule for mops. D. G. Saunders, Jr., and W. Stricker. No. 1,057,503; Apr. 1; Gaz. vol. 189; p. 37.
- Fertilizer. B. Reichelt. (Reissue.) No. 13,540; Mar. 4; Gaz. vol. 188; p. 218.
- Fertilizer. B. Reichelt. No. 1,071,795; Sept. 2; Gaz. vol. 194; p. 45.
- Fertilizer. A. R. Frank. No. 1,074,785; Oct. 7; Gaz. vol. 195; p. 68.
- Fertilizer. W. E. Carson. No. 1,082,108; Dec. 23; Gaz. vol. 197; p. 843.
- Fertilizer composition, Making a. O. Bennett. No. 1,067,712; July 15; Gaz. vol. 192; p. 689.
- Fertilizer, Composition of matter for use as a. E. C. Lindemann. No. 1,058,765; Apr. 15; Gaz. vol. 189; p. 552.
- Fertilizer-distributor. G. J. Bryant. No. 1,050,076; Jan. 7; Gaz. vol. 186; p. 257.
- Fertilizer-distributor. D. R. Woodall, Jr. No. 1,053,463; Feb. 18; Gaz. vol. 187; p. 630.
- Fertilizer-distributor. N. C. Cross. No. 1,055,321; Mar. 11; Gaz. vol. 188; p. 260.
- Fertilizer-distributor. S. N. Mills. No. 1,055,347; Mar. 11; Gaz. vol. 188; p. 270.
- Fertilizer-distributor. F. N. Isham. No. 1,055,752; Mar. 11; Gaz. vol. 188; p. 404.
- Fertilizer-distributor. W. E. Lapd. No. 1,058,375; Apr. 8; Gaz. vol. 189; p. 382.
- Fertilizer-distributor. C. H. Pelton. No. 1,061,400; May 13; Gaz. vol. 190; p. 322.
- Fertilizer-distributor. W. J. Ehlert. No. 1,065,034; June 17; Gaz. vol. 191; p. 702.
- Fertilizer-distributor. A. M. Word. No. 1,067,775; July 15; Gaz. vol. 192; p. 709.
- Fertilizer-distributor. J. S. Dungan. No. 1,069,398; Aug. 5; Gaz. vol. 193; p. 109.
- Fertilizer-distributor. A. C. Wolf. No. 1,069,752; Aug. 12; Gaz. vol. 193; p. 259.
- Fertilizer-distributor. F. F. Cherry. No. 1,072,823; Sept. 9; Gaz. vol. 194; p. 425.
- Fertilizer-distributor. S. R. Sikes. No. 1,074,902; Oct. 7; Gaz. vol. 195; p. 107.
- Fertilizer-distributor. E. M. Cole. No. 1,074,929; Oct. 7; Gaz. vol. 195; p. 116.
- Fertilizer-distributor. E. Rotramel. No. 1,075,121; Oct. 7; Gaz. vol. 195; p. 183.
- Fertilizer-distributor. E. M. Cole. No. 1,075,193; Oct. 7; Gaz. vol. 195; p. 208.

Alphabetical list of inventions—Continued.

- Fertilizer-distributor. E. J. Pearson. No. 1,079,509; Nov. 25; Gaz. vol. 196; p. 874.
- Fertilizer-distributor. S. R. Sikes. No. 1,081,991; Dec. 23; Gaz. vol. 197; p. 802.
- Fertilizer-distributor. E. Middlebrooks. No. 1,082,037; Dec. 23; Gaz. vol. 197; p. 819.
- Fertilizer distributor and beater. H. Synck. No. 1,053,547; Feb. 18; Gaz. vol. 187; p. 660.
- Fertilizer-distributor and cotton-seed planter, Combination. R. H. Barrett and C. Ray. No. 1,075,621; Oct. 14; Gaz. vol. 195; p. 383.
- Fertilizer-distributor and planter, Combined. T. J. Smith. No. 1,066,858; July 8; Gaz. vol. 192; p. 361.
- Fertilizer from refuse material, Apparatus for making. P. B. de Rouvre. No. 1,056,837; Mar. 25; Gaz. vol. 188; p. 838.
- Fertilizer, Making. O. K. Slater. No. 1,067,224; July 8; Gaz. vol. 192; p. 487.
- Fertilizer, Making. S. B. Newberry and H. N. Barrett. No. 1,074,808; Oct. 7; Gaz. vol. 195; p. 75.
- Fertilizer making and distributing machine. G. W. Allen. No. 1,053,467; Feb. 18; Gaz. vol. 187; p. 631.
- Fertilizer, Making phosphate. C. N. Meriwether. No. 1,058,249; Apr. 8; Gaz. vol. 189; p. 337.
- Fertilizer, Manufacturing an ammonium superphosphate. T. L. Willson and M. M. Haff. No. 1,062,869; May 27; Gaz. vol. 190; p. 897.
- Fertilizer, Manufacturing solid. F. W. Braun. No. 1,058,145; Apr. 8; Gaz. vol. 189; p. 302.
- Festooning, edging, and embroidering machine. E. Reichardt. No. 1,054,713; Mar. 4; Gaz. vol. 188; p. 19.
- Fiber and producing them, Gray to black shades on vegetable. R. Bohn and P. Nawiasky. No. 1,066,987; July 8; Gaz. vol. 192; p. 405.
- Fiber from hop-vines, Producing. D. N. Honn. No. 1,060,255; Apr. 29; Gaz. vol. 189; p. 1138.
- Fiber from the stalk of the abaca-plant, Apparatus for extracting the. A. De Icsiar. No. 1,052,325; Feb. 4; Gaz. vol. 187; p. 163.
- Fiber, Production of brown shades on the. A. Stiegler. No. 1,071,274; Aug. 26; Gaz. vol. 193; p. 849.
- Fiber-pulling machine, Long-staple. W. R. Sibbett. No. 1,053,543; Feb. 18; Gaz. vol. 187; p. 658.
- Fiber, Separating vegetable or animal. V. G., V., C., and M. Del Prato. No. 1,061,902; May 13; Gaz. vol. 190; p. 490.
- Fiber tubes, Machine for making. C. Mehlum. No. 1,069,971; Aug. 12; Gaz. vol. 193; p. 332.
- Fibers and the like, Automatic feed for. M. E. Ryan. No. 1,074,468; Sept. 30; Gaz. vol. 194; p. 1079.
- Fibers, Treating vegetable. R. R. Roberts. No. 1,062,187; May 20; Gaz. vol. 190; p. 630.
- Fibrous materials, Machine for teasing and cleaning. S. Ware. No. 1,075,076; Oct. 7; Gaz. vol. 195; p. 168.
- Fibrous matter from admixtures, Separating. J. J. Werst, P. M. H. L. Collée, and J. M. Egmond. No. 1,083,234; Dec. 30; Gaz. vol. 197; p. 1258.
- Field apparatus, Convertible. J. J. Stoehr. No. 1,072,052; Sept. 2; Gaz. vol. 194; p. 130.
- Fifth-wheel. E. Brownfield. No. 1,055,871; Mar. 11; Gaz. vol. 188; p. 445.
- Fifth-wheel. J. Villiger and E. J. Schierer. No. 1,078,709; Nov. 18; Gaz. vol. 196; p. 569.
- Fifth-wheel. C. Wallace. No. 1,079,277; Nov. 18; Gaz. vol. 196; p. 763.
- Fifth-wheel. M. E. Wagner. No. 1,080,941; Dec. 9; Gaz. vol. 197; p. 387.
- Fifth-wheel, Vehicle. H. E. Riphan. No. 1,065,768; July 1; Gaz. vol. 192; p. 23.
- Figure, Moving-eye. C. M. Dalg and G. A. Weidhaas. No. 1,061,965; May 13; Gaz. vol. 190; p. 512.
- Figures, Device for molding hollow heads of. D. Zaiden. No. 1,055,502; Mar. 11; Gaz. vol. 188; p. 322.
- Filament, Metal. C. A. Hansen. No. 1,075,563; Oct. 14; Gaz. vol. 195; p. 364.
- Filaments for incandescent electric lamps, Decarbonization of raw metallic. A. Lederer. No. 1,054,005; Feb. 25; Gaz. vol. 187; p. 852.
- Filaments for incandescent lamps, Preparing. W. G. Houskeeper. No. 1,059,366; Apr. 22; Gaz. vol. 189; p. 797.
- Filaments, Forming-machine for tungsten. J. W. Howell. No. 1,062,281; May 20; Gaz. vol. 190; p. 662.
- Filaments, Manufacture of incandescent. G. Dobkevitch. No. 1,076,873; Oct. 28; Gaz. vol. 195; p. 899.
- Filaments of tungsten or molybdenum for electric incandescence lamps, Manufacture of. A. Lederer. No. 1,071,325; Aug. 26; Gaz. vol. 193; p. 866.
- Filaments, Shaping. R. O. Poag and W. W. Kirk. No. 1,057,088; Mar. 25; Gaz. vol. 188; p. 926.
- Filaments, Support for incandescent-lamp. A. S. Knight. No. 1,059,738; Apr. 22; Gaz. vol. 189; p. 921.
- File. O. G. Simmons. No. 1,063,076; May 27; Gaz. vol. 190; p. 965.
- File. J. C. Thomas. No. 1,066,340; July 1; Gaz. vol. 192; p. 154.
- File. W. H. Wakfer. No. 1,068,548; July 29; Gaz. vol. 192; p. 1045.
- File. J. Béché. No. 1,076,262; Oct. 21; Gaz. vol. 195; p. 629.
- File. E. A. Dunn. No. 1,081,727; Dec. 16; Gaz. vol. 197; p. 683.
- File. W. H. Wakfer. No. 1,082,219; Dec. 23; Gaz. vol. 197; p. 880.
- File, Account-. E. J. Vickers. No. 1,061,340; May 18; Gaz. vol. 190; p. 301.
- File, Bill-. H. Loveland. No. 1,052,677; Feb. 11; Gaz. vol. 187; p. 317.
- File, Bill-. W. Molenaar. No. 1,078,452; Nov. 11; Gaz. vol. 196; p. 449.
- File, Bill-. A. Saftro, L. Sainberg, and R. B. Sainburg. No. 1,080,022; Dec. 2; Gaz. vol. 197; p. 36.
- File-cabinet, Rotary. J. P. Harrington and E. L. Byrne. No. 1,072,451; Sept. 9; Gaz. vol. 194; p. 295.
- File, Card-. J. V. Hemstreet. No. 1,051,108; Jan. 21; Gaz. vol. 186; p. 682.
- File-case. J. W. Pennewill. No. 1,060,020; Apr. 29; Gaz. vol. 189; p. 1058.
- File, Credit-account. J. E. Dungan. No. 1,058,951; Apr. 15; Gaz. vol. 189; p. 618.
- File, Document-. J. Boswell and E. Pearl. No. 1,079,100; Nov. 18; Gaz. vol. 196; p. 704.
- File-drawer compressor. E. G. Sampson. No. 1,064,382; June 10; Gaz. vol. 191; p. 449.
- File-folder, Vertical. M. B. Jackson. No. 1,076,582; Oct. 21; Gaz. vol. 195; p. 743.
- File follow-block, Document-. F. Peterson. No. 1,050,166; Jan. 14; Gaz. vol. 186; p. 321.
- File for letters, invoices, and the like. A. Meckel. No. 1,074,805; Oct. 7; Gaz. vol. 195; p. 74.
- File handle, Paper-. K. A. O. Frindt. No. 1,080,963; Dec. 9; Gaz. vol. 197; p. 395.
- File, Paper-. I. Hilliard. No. 1,064,646; June 10; Gaz. vol. 191; p. 539.
- File, Paper-. J. Macdonald. No. 1,069,711; Aug. 12; Gaz. vol. 193; p. 243.
- File, Rail-. R. S. Woodward, Sr. No. 1,051,553; Jan. 28; Gaz. vol. 186; p. 858.
- File, Record-indicating. W. M. Webb. No. 1,061,790; May 13; Gaz. vol. 190; p. 455.
- File-wrapper. V. Munger. No. 1,067,540; July 15; Gaz. vol. 192; p. 630.
- Files. Handle for loose-leaf. F. W. Rotzell. No. 1,066,757; July 8; Gaz. vol. 192; p. 329.
- Files, Machine for assembling protecting-strips on. A. Shackleton. No. 1,060,794; May 6; Gaz. vol. 190; p. 78.
- Files, Wall-support for letter-. C. D. Paterson. No. 1,053,862; Feb. 18; Gaz. vol. 187; p. 765.
- Filing accounts, Register for. T. C. Christensen. No. 1,073,027; Sept. 9; Gaz. vol. 194; p. 499.
- Filing and display device. M. S. Ersler. No. 1,063,670; June 3; Gaz. vol. 191; p. 174.
- Filing apparatus. W. E. Choate. No. 1,063,257; June 3; Gaz. vol. 191; p. 169.
- Filing apparatus. J. A. Best. No. 1,065,106; June 17; Gaz. vol. 191; p. 726.
- Filing apparatus, Follower for. J. A. Best. No. 1,065,104; June 17; Gaz. vol. 191; p. 726.
- Filing-apparatus locking device. J. A. Best. No. 1,065,105; June 17; Gaz. vol. 191; p. 726.
- Filing appliance. A. F. Staples and H. J. Hick. No. 1,051,463; Jan. 28; Gaz. vol. 186; p. 833.
- Filing appliance. H. J. Hick. No. 1,052,444; Feb. 4; Gaz. vol. 187; p. 205.
- Filing appliance. H. J. Hick. No. 1,055,041; Mar. 4; Gaz. vol. 188; p. 132.
- Filing appliance. P. Voss. No. 1,071,375; Aug. 26; Gaz. vol. 193; p. 883.
- Filing appliance. H. J. Hick. No. 1,072,007; Sept. 2; Gaz. vol. 194; p. 116.
- Filing appliance. E. T. Silvius. No. 1,075,866; Oct. 14; Gaz. vol. 195; p. 466.
- Filing appliances, Spring-clip for. E. B. Moseley. No. 1,070,164; Aug. 12; Gaz. vol. 193; p. 400.
- Filing-books or file-cases, Leaf for. E. C. Ward. No. 1,056,135; Mar. 18; Gaz. vol. 188; p. 569.
- Filing-cabinet. W. B. Phillips. No. 1,058,098; Apr. 8; Gaz. vol. 189; p. 286.
- Filing-cabinet. L. Olton. No. 1,059,198; Apr. 15; Gaz. vol. 189; p. 703.
- Filing-cabinet. G. C. Geraty. No. 1,073,037; Sept. 9; Gaz. vol. 194; p. 501.
- Filing-cabinet. A. C. Petsche. No. 1,077,638; Nov. 4; Gaz. vol. 196; p. 137.
- Filing-cabinet. J. A. Fraser. No. 1,078,668; Nov. 18; Gaz. vol. 196; p. 553.
- Filing-cabinet. W. F. Heffner. No. 1,079,173; Nov. 18; Gaz. vol. 196; p. 731.
- Filing-cabinet for credit-slips. W. H. Muzzy. No. 1,080,850; Dec. 9; Gaz. vol. 197; p. 285.
- Filing cabinet, Map-. J. M. Wadsworth and E. G. Brua. No. 1,050,409; Jan. 14; Gaz. vol. 186; p. 404.
- Filing-cabinet, Metal. P. S. Millice. No. 1,060,691; May 6; Gaz. vol. 190; p. 44.
- Filing-cabinet, Metallic. A. W. L. Hartbauer and L. C. Sparks. No. 1,078,279; Nov. 11; Gaz. vol. 196; p. 388.

Alphabetical list of inventions—Continued.

- Filing-cabinet, Unit. J. Hatfield. No. 1,076,116; Oct. 21; Gaz. vol. 195; p. 581.
- Filing-cabinets and the like, Base for. C. E. Willson. No. 1,080,874; Dec. 9; Gaz. vol. 197; p. 365.
- Filing-cabinets, Body construction for metal. A. H. Schaffert. No. 1,076,067; Oct. 21; Gaz. vol. 195; p. 563.
- Filing-cabinets, Follower-block for. J. A. Fraser. No. 1,061,463; May 13; Gaz. vol. 190; p. 344.
- Filing-cabinets, Follower-block for. L. E. More. No. 1,067,831; July 22; Gaz. vol. 192; p. 762.
- Filing-case. E. C. Ward. No. 1,062,673; May 27; Gaz. vol. 190; p. 833.
- Filing-case. M. L. Whitcomb. No. 1,073,198; Sept. 16; Gaz. vol. 194; p. 594.
- Filing-case. P. S. Millice. No. 1,075,369; Oct. 14; Gaz. vol. 195; p. 296.
- Filing-case drawer. W. W. Watson and H. Carlson. No. 1,071,487; Aug. 26; Gaz. vol. 193; p. 999.
- Filing-case for cards and the like. L. A. Lebowich. No. 1,079,776; Nov. 25; Gaz. vol. 196; p. 969.
- Filing case, Record-. E. Pooler. No. 1,076,993; Oct. 28; Gaz. vol. 195; p. 942.
- Filing device. R. E. Lutz. No. 1,056,037; Mar. 18; Gaz. vol. 188; p. 535.
- Filing device. R. Helmer. No. 1,073,854; Sept. 23; Gaz. vol. 194; p. 845.
- Filing device for letters and the like. E. R. Probert. No. 1,068,819; July 29; Gaz. vol. 192; p. 1142.
- Filing device, Paper-. C. B. Longwell. No. 1,071,065; Aug. 26; Gaz. vol. 193; p. 779.
- Filing-drawers, Follower for vertical. W. W. Watson and H. Carlson. No. 1,068,190; July 22; Gaz. vol. 192; p. 883.
- Filing-drawers, Suspension for. W. W. Watson and J. G. Carlson. No. 1,068,375; July 22; Gaz. vol. 192; p. 948.
- Filing-machine. I. Seweryn. No. 1,060,951; May 6; Gaz. vol. 190; p. 135.
- Filing-pocket. H. B. Neff. No. 1,064,000; June 10; Gaz. vol. 191; p. 319.
- Filing system. C. M. Probasco. No. 1,054,239; Feb. 25; Gaz. vol. 187; p. 932.
- Filing system. J. A. Best. No. 1,065,206; June 17; Gaz. vol. 191; p. 757.
- Filing system. C. B. Stillwell. No. 1,066,543; July 8; Gaz. vol. 192; p. 253.
- Filled-in construction. W. M. Torrance. No. 1,067,950; July 22; Gaz. vol. 192; p. 801.
- Filling and emptying device, Safety. K. Langrehr. No. 1,051,128; Jan. 21; Gaz. vol. 186; p. 688.
- Filling and packing materials into receptacles, Apparatus for. R. V. Craggs. No. 1,077,810; Nov. 4; Gaz. vol. 196; p. 195.
- Filling apparatus. F. L. Jefferies and W. Spain. No. 1,079,496; Nov. 25; Gaz. vol. 196; p. 870.
- Filling cuts, Apparatus for. J. M. Burke. No. 1,068,312; July 22; Gaz. vol. 192; p. 926.
- Filling-machine. J. Dudley. No. 1,065,789; June 24; Gaz. vol. 191; p. 994.
- Filling-machine. C. F. Colbert. No. 1,072,428; Sept. 9; Gaz. vol. 194; p. 286.
- Filling-machine. C. F. Colbert. No. 1,072,429; Sept. 9; Gaz. vol. 194; p. 287.
- Filling-machine, Automatic. H. G. Dewey. No. 1,075,903; Oct. 14; Gaz. vol. 195; p. 478.
- Filling machinery, Safety device for. A. M. Gaynor. No. 1,069,870; Aug. 12; Gaz. vol. 193; p. 300.
- Film apparatus. B. Day. No. 1,060,892; May 6; Gaz. vol. 190; p. 114.
- Film-coated metallic article and making the same. R. D. Mershon. No. 1,065,704; June 24; Gaz. vol. 191; p. 966.
- Film-drying rack. R. E. Rorabeck. No. 1,051,518; Jan. 28; Gaz. vol. 186; p. 853.
- Film-feeding machine. F. E. Stillings. No. 1,083,227; Dec. 30; Gaz. vol. 197; p. 1255.
- Film-frame apparatus. B. Day. No. 1,063,015; May 27; Gaz. vol. 190; p. 945.
- Film-frame apparatus. B. Day. No. 1,063,016; May 27; Gaz. vol. 190; p. 945.
- Film-frame holder. C. D. Fowles. No. 1,055,457; Mar. 11; Gaz. vol. 188; p. 307.
- Film-holder, Magazine. S. Cocanari. No. 1,076,191; Oct. 21; Gaz. vol. 195; p. 605.
- Film-holding reel. L. W. Merkel. No. 1,050,371; Jan. 14; Gaz. vol. 186; p. 392.
- Film indicating means, Roll-. H. M. Engle. No. 1,064,465; June 10; Gaz. vol. 191; p. 479.
- Film-pack. J. E. Pettibone. No. 1,081,770; Dec. 16; Gaz. vol. 197; p. 699.
- Film-pack adapter. F. Schmid. No. 1,073,442; Sept. 16; Gaz. vol. 194; p. 681.
- Film-package and holder. W. T. Price. No. 1,070,843; Aug. 19; Gaz. vol. 193; p. 671.
- Film-perforating machine, Adjustable. E. Schneider. No. 1,062,932; May 27; Gaz. vol. 190; p. 918.
- Film-rewinder. D. Hensel. No. 1,049,859; Jan. 7; Gaz. vol. 186; p. 184.
- Film-spool center. W. F. Folmer. No. 1,065,601; June 24; Gaz. vol. 191; p. 931.
- Film trap-door. E. S. Porter. No. 1,059,067; Apr. 15; Gaz. vol. 189; p. 658.
- Film-winding apparatus. H. J. Hamann. No. 1,081,039; Dec. 9; Gaz. vol. 197; p. 418.
- Films, Manufacture of metallic. F. Demel. No. 1,056,641; Mar. 18; Gaz. vol. 188; p. 742.
- Filter. R. B. Williamson. No. 1,049,789; Jan. 7; Gaz. vol. 186; p. 161.
- Filter. A. A. Albright. No. 1,050,051; Jan. 7; Gaz. vol. 186; p. 249.
- Filter. H. Rabenstein. No. 1,052,958; Feb. 11; Gaz. vol. 187; p. 413.
- Filter. O. E. Giese. No. 1,053,287; Feb. 18; Gaz. vol. 187; p. 570.
- Filter. H. F. Maranville. No. 1,054,702; Mar. 4; Gaz. vol. 188; p. 16.
- Filter. F. and F. P. Candy. No. 1,057,328; Mar. 25; Gaz. vol. 188; p. 1006.
- Filter. G. J. Young. No. 1,057,475; Apr. 1; Gaz. vol. 189; p. 27.
- Filter. F. P. J. Grenet. No. 1,057,823; Apr. 1; Gaz. vol. 189; p. 147.
- Filter. W. S. Elliott. No. 1,058,737; Apr. 15; Gaz. vol. 189; p. 542.
- Filter. J. Sgambati. No. 1,059,773; Apr. 22; Gaz. vol. 189; p. 933.
- Filter. G. M. Kneuper. No. 1,061,755; May 13; Gaz. vol. 190; p. 445.
- Filter. E. Seavey. No. 1,061,928; May 13; Gaz. vol. 190; p. 499.
- Filter. A. Sullivan. No. 1,069,042; July 29; Gaz. vol. 192; p. 1217.
- Filter. L. V. Rood. No. 1,069,476; Aug. 5; Gaz. vol. 193; p. 137.
- Filter. W. G. Hall. No. 1,070,249; Aug. 12; Gaz. vol. 193; p. 428.
- Filter. U. A. Garred. No. 1,072,111; Sept. 2; Gaz. vol. 194; p. 151.
- Filter. J. F. Wise. No. 1,074,679; Oct. 7; Gaz. vol. 195; p. 33.
- Filter. H. F. Maranville. No. 1,077,619; Nov. 4; Gaz. vol. 196; p. 130.
- Filter. P. E. Malmstrom. No. 1,078,366; Nov. 11; Gaz. vol. 196; p. 420.
- Filter and faucet, Combined self-cleaning. H. Alsterberg. No. 1,081,563; Dec. 16; Gaz. vol. 197; p. 632.
- Filter and heater, Dental water. C. Jr., and A. E. Joerin. No. 1,075,978; Oct. 14; Gaz. vol. 195; p. 505.
- Filter and sediment-trap, Combined. O. F. Kadow. No. 1,075,576; Oct. 14; Gaz. vol. 195; p. 368.
- Filter-beds, Cleaning. W. A. Stevenson. No. 1,069,737; Aug. 12; Gaz. vol. 193; p. 253.
- Filter, Chemical. C. S. Bradley. No. 1,077,037; Oct. 28; Gaz. vol. 195; p. 957.
- Filter, Folded. F. Nagel. No. 1,074,008; Sept. 23; Gaz. vol. 194; p. 897.
- Filter for gasoline, Water-separating. C. A. Entorf. No. 1,081,030; Dec. 9; Gaz. vol. 197; p. 416.
- Filter for wells and other purposes. J. Blondiau. No. 1,063,006; May 27; Gaz. vol. 190; p. 942.
- Filter, Gasolene-. L. H. Yourtree. No. 1,058,133; Apr. 8; Gaz. vol. 189; p. 297.
- Filter-leaf. C. L. Van Fossen. No. 1,078,812; Nov. 18; Gaz. vol. 196; p. 605.
- Filter-leaf. C. Butters. No. 1,078,993; Nov. 18; Gaz. vol. 196; p. 667.
- Filter, Liquid-fuel. W. A. Utzman. No. 1,052,629; Feb. 11; Gaz. vol. 187; p. 300.
- Filter media, Dislodging slime cakes from. C. Butters. No. 1,078,994; Nov. 18; Gaz. vol. 196; p. 668.
- Filter plant. E. C. Wiley. No. 1,060,870; May 6; Gaz. vol. 190; p. 106.
- Filter-press. F. S. Guy and E. M. Smith. No. 1,069,546; Aug. 5; Gaz. vol. 193; p. 158.
- Filter, Pump-. R. E. Miles. No. 1,079,875; Nov. 25; Gaz. vol. 196; p. 1002.
- Filter, Rotary. R. P. Akins. No. 1,059,327; Apr. 15; Gaz. vol. 189; p. 747.
- Filter, Self-cleaning. F. E. Pendleton. No. 1,062,793; May 27; Gaz. vol. 190; p. 872.
- Filter, Tap-. W. J. O'Connor. No. 1,078,370; Nov. 11; Gaz. vol. 196; p. 421.
- Filter trap, Gasolene-. F. L. Hitchcock. No. 1,062,236; May 20; Gaz. vol. 190; p. 646.
- Filter, ventilator, and water-purifier, Cistern. W. J. Guderian. No. 1,059,935; Apr. 22; Gaz. vol. 189; p. 985.
- Filter, Water-. E. C. Steele. No. 1,076,075; Oct. 21; Gaz. vol. 195; p. 565.
- Filter, Water-. S. Held. No. 1,082,024; Dec. 23; Gaz. vol. 197; p. 815.
- Filtering apparatus. W. W. Robacher. No. 1,051,160; Jan. 21; Gaz. vol. 186; p. 699.
- Filtering apparatus. W. W. Robacher. No. 1,051,161; Jan. 21; Gaz. vol. 186; p. 699.
- Filtering apparatus. J. M. Neil. No. 1,051,620; Jan. 28; Gaz. vol. 186; p. 887.
- Filtering apparatus. T. Breakell. No. 1,064,702; June 17; Gaz. vol. 191; p. 594.

Alphabetical list of inventions—Continued.

- Filtering apparatus for laboratory use. P. A. Boeck. No. 1,081,574; Dec. 16; Gaz. vol. 197; p. 634.
- Filtering device. E. E. Howson. No. 1,070,473; Aug. 19; Gaz. vol. 193; p. 548.
- Filtering material. A. E. Krause. No. 1,056,800; Mar. 25; Gaz. vol. 188; p. 826.
- Filtering material. W. L. Gilliam. No. 1,061,368; May 13; Gaz. vol. 190; p. 311.
- Filtering medium for corrosive gases and making same. F. G. Cottrell. No. 1,060,065; Apr. 29; Gaz. vol. 189; p. 1072.
- Filtration. E. Zahm. No. 1,077,448; Nov. 4; Gaz. vol. 196; p. 73.
- Finger-guard clamp. P. B. Harrison. No. 1,059,361; Apr. 22; Gaz. vol. 189; p. 795.
- Finger-print-card clip. P. A. Flak. No. 1,056,524; Mar. 18; Gaz. vol. 188; p. 703.
- Finger-ring. G. Gaschke. No. 1,052,141; Feb. 4; Gaz. vol. 187; p. 103.
- Finger-ring, Expandable. L. M. Higham. No. 1,079,489; Nov. 25; Gaz. vol. 196; p. 867.
- Finger-shield. H. Tueckmantel. No. 1,066,556; July 8; Gaz. vol. 192; p. 257.
- Finish-remover. C. Ellis. No. 1,049,466; Jan. 7; Gaz. vol. 186; p. 50.
- Finish-remover. C. Ellis. No. 1,051,317; Jan. 21; Gaz. vol. 186; p. 751.
- Finish-remover. C. Ellis. No. 1,051,318; Jan. 21; Gaz. vol. 186; p. 751.
- Finish-remover. C. Ellis. No. 1,066,720; July 8; Gaz. vol. 192; p. 316.
- Finish-remover. C. Ellis. No. 1,069,057; July 29; Gaz. vol. 192; p. 1222.
- Finish-remover. H. A. Gardner. No. 1,079,698; Nov. 25; Gaz. vol. 196; p. 940.
- Finish-removers, Making. J. M. Wilson. No. 1,074,305; Sept. 30; Gaz. vol. 194; p. 1025.
- Finishing-machine. J. F. Webendorfer. No. 1,057,190; Mar. 25; Gaz. vol. 188; p. 961.
- Finishing-machine. F. M. Furber. No. 1,080,207; Dec. 2; Gaz. vol. 197; p. 101.
- Fire-alarm. J. E. Goodwin. No. 1,050,824; Jan. 21; Gaz. vol. 186; p. 581.
- Fire-alarm. R. E. Sherer. No. 1,056,951; Mar. 25; Gaz. vol. 188; p. 879.
- Fire-alarm. A. Allan and T. Bowling. No. 1,059,586; Apr. 22; Gaz. vol. 189; p. 872.
- Fire-alarm. J. H. Walsh. No. 1,068,469; July 29; Gaz. vol. 192; p. 1019.
- Fire-alarm. W. A. Fretwell. No. 1,077,966; Nov. 4; Gaz. vol. 196; p. 249.
- Fire-alarm. W. W. Mitchell and H. W. Cotter. No. 1,081,855; Dec. 16; Gaz. vol. 197; p. 729.
- Fire-alarm and watch-service signaling means. J. McFell. No. 1,076,304; Oct. 21; Gaz. vol. 195; p. 644.
- Fire-alarm, Automatic. F. Koup. No. 1,049,586; Jan. 7; Gaz. vol. 186; p. 93.
- Fire-alarm, Automatic. H. R. Shirley. No. 1,054,624; Feb. 25; Gaz. vol. 187; p. 1062.
- Fire-alarm, Automatic. W. and F. Topp. No. 1,057,784; Apr. 1; Gaz. vol. 189; p. 133.
- Fire-alarm, Automatic. L. J. Bryant and J. Case. No. 1,080,323; Dec. 2; Gaz. vol. 197; p. 141.
- Fire-alarm box. C. F. Burroughs. No. 1,051,946; Feb. 4; Gaz. vol. 187; p. 34.
- Fire-alarm box, Auxiliatized. N. H. Suren. No. 1,077,767; Nov. 4; Gaz. vol. 196; p. 181.
- Fire-alarm, Electric. L. J. Loeffler. No. 1,061,763; May 13; Gaz. vol. 190; p. 447.
- Fire-alarm, Electric. H. Barditzky. No. 1,062,137; May 20; Gaz. vol. 190; p. 613.
- Fire-alarm, Electric. F. Records and M. Lewry. No. 1,080,480; Dec. 2; Gaz. vol. 197; p. 196.
- Fire-alarm signal-box. W. J. Leveridge. No. 1,080,354; Dec. 2; Gaz. vol. 197; p. 154.
- Fire-alarm system. J. J. McCarthy. No. 1,068,440; July 29; Gaz. vol. 192; p. 1009.
- Fire-alarm system, Combined auxiliary and automatic. F. W. Cole. No. 1,058,725; Apr. 15; Gaz. vol. 189; p. 537.
- Fire-alarm system, Electric. J. L. Flagg and F. T. Towers. No. 1,075,314; Oct. 7; Gaz. vol. 195; p. 253.
- Fire-alarm system, Electric. J. G. Schlüchtner. No. 1,079,667; Nov. 25; Gaz. vol. 196; p. 929.
- Fire-alarm telegraph systems, Repeating-transmitter for. N. H. Suren. No. 1,065,478; June 24; Gaz. vol. 191; p. 889.
- Fire-alarm, Thermostatic. J. Rancourt. No. 1,078,063; Nov. 11; Gaz. vol. 196; p. 314.
- Fire and burglar alarm. C. Liaci. No. 1,051,133; Jan. 21; Gaz. vol. 186; p. 689.
- Fire and water proof composition. C. J. Pater. No. 1,067,542; July 15; Gaz. vol. 192; p. 631.
- Fire and water proof insulation. H. Hammesfahr. No. 1,065,802; June 24; Gaz. vol. 191; p. 998.
- Fire apparatus, Piston-pump for automobile. A. C. Webb. No. 1,061,511; May 13; Gaz. vol. 190; p. 360.
- Fire-back. D. Dee. No. 1,068,418; July 29; Gaz. vol. 192; p. 1002.
- Fire-box. J. M. McClellon. No. 1,078,934; Nov. 18; Gaz. vol. 196; p. 646.
- Fire-box. J. M. McClellon. No. 1,078,935; Nov. 18; Gaz. vol. 196; p. 646.
- Fire-box and grate. Z. F. Jones. No. 1,059,164; Apr. 15; Gaz. vol. 189; p. 691.
- Fire-box construction. J. M. McClellon. No. 1,078,933; Nov. 18; Gaz. vol. 196; p. 645.
- Fire-boxes, Forming. H. W. Jacobs. No. 1,054,420; Feb. 25; Gaz. vol. 187; p. 994.
- Fire-boxes, Smoke-consuming device for. W. D. Boyce. No. 1,071,689; Sept. 2; Gaz. vol. 194; p. 6.
- Fire-bucket. P. Baar. No. 1,068,476; July 29; Gaz. vol. 192; p. 1021.
- Fire-clay substitute. P. Kinander. No. 1,056,031; Mar. 18; Gaz. vol. 188; p. 533.
- Fire-control apparatus, Naval. A. H. Pollen and H. Isherwood. No. 1,077,965; Nov. 4; Gaz. vol. 196; p. 249.
- Fire-dog. J. W. Kinard. No. 1,060,686; May 6; Gaz. vol. 190; p. 42.
- Fire-door. R. W. Zeller. No. 1,073,554; Sept. 16; Gaz. vol. 194; p. 719.
- Fire-door. M. Gilmore. No. 1,077,468; Nov. 4; Gaz. vol. 196; p. 81.
- Fire-door for elevator-shafts, &c. M. Gilmore. No. 1,078,275; Nov. 11; Gaz. vol. 196; p. 386.
- Fire-door lock. H. G. Voight. No. 1,070,365; Aug. 12; Gaz. vol. 193; p. 468.
- Fire-door lock. H. G. Voight. No. 1,071,656; Aug. 26; Gaz. vol. 193; p. 975.
- Fire-door safety device. T. H. Lawrence. No. 1,078,361; Nov. 11; Gaz. vol. 196; p. 419.
- Fire-doors, Automatic electric release for. T. H. Wurmb and R. Baumann. No. 1,057,608; Apr. 1; Gaz. vol. 189; p. 73.
- Fire-engine, Motor. C. Taurman. No. 1,071,275; Aug. 26; Gaz. vol. 193; p. 849.
- Fire-escape. L. Katz. No. 1,050,546; Jan. 14; Gaz. vol. 186; p. 455.
- Fire-escape. G. Virtue. No. 1,052,773; Feb. 11; Gaz. vol. 187; p. 348.
- Fire-escape. N. P. Barron. No. 1,053,135; Feb. 11; Gaz. vol. 187; p. 474.
- Fire-escape. F. G. Barrington. No. 1,053,772; Feb. 18; Gaz. vol. 187; p. 736.
- Fire-escape. J. M. Parrish. No. 1,053,861; Feb. 18; Gaz. vol. 187; p. 765.
- Fire-escape. J. F. A. Klettke. No. 1,055,282; Mar. 4; Gaz. vol. 188; p. 208.
- Fire-escape. W. H. Smith. No. 1,056,747; Mar. 18; Gaz. vol. 188; p. 780.
- Fire-escape. J. F. Miller. No. 1,059,062; Apr. 15; Gaz. vol. 189; p. 656.
- Fire-escape. J. Paquet. No. 1,059,754; Apr. 22; Gaz. vol. 189; p. 927.
- Fire-escape. B. F. Bowen. No. 1,060,156; Apr. 29; Gaz. vol. 189; p. 1103.
- Fire-escape. C. F. Davy. No. 1,066,716; July 8; Gaz. vol. 192; p. 313.
- Fire-escape. T. Booth. No. 1,072,814; Sept. 9; Gaz. vol. 194; p. 422.
- Fire-escape. R. Sideman. No. 1,073,293; Sept. 16; Gaz. vol. 194; p. 629.
- Fire-escape. J. A. Weaver. No. 1,075,176; Oct. 7; Gaz. vol. 195; p. 202.
- Fire-escape. C. Scheiden. No. 1,076,646; Oct. 21; Gaz. vol. 195; p. 768.
- Fire-escape. A. Wichertjes. No. 1,078,759; Nov. 18; Gaz. vol. 196; p. 586.
- Fire-escape. T. C. Marshall. No. 1,078,931; Nov. 18; Gaz. vol. 196; p. 645.
- Fire-escape. D. I. Reed. No. 1,080,476; Dec. 2; Gaz. vol. 197; p. 195.
- Fire-escape. H. Croteau. No. 1,081,813; Dec. 16; Gaz. vol. 197; p. 714.
- Fire-escape apparatus. C. Metzler. No. 1,053,425; Feb. 18; Gaz. vol. 187; p. 618.
- Fire-escape apparatus. T. Boldizzoni. No. 1,060,969; May 6; Gaz. vol. 190; p. 141.
- Fire-escape apparatus. K. L. Elsner. No. 1,069,325; Aug. 5; Gaz. vol. 193; p. 82.
- Fire-escape, Automatic. H. E. Thompson. No. 1,071,655; Aug. 26; Gaz. vol. 193; p. 975.
- Fire-escape, Folding drop-step. C. H. Morand. No. 1,069,975; Aug. 12; Gaz. vol. 193; p. 334.
- Fire-escape, Portable. M. Hohl. No. 1,057,835; Apr. 1; Gaz. vol. 189; p. 150.
- Fire-escape, Portable. E. D. Parker and A. E. Overholser. No. 1,069,900; Aug. 12; Gaz. vol. 193; p. 310.
- Fire-escape, Portable. H. Chiariglione, P. Vescovi, and E. Gobatti. No. 1,074,540; Sept. 30; Gaz. vol. 194; p. 1100.
- Fire-extinguisher. W. Gallenkamp. No. 1,051,496; Jan. 28; Gaz. vol. 186; p. 845.
- Fire-extinguisher. J. R. Gammeter. No. 1,057,538; Apr. 1; Gaz. vol. 189; p. 48.
- Fire-extinguisher. S. L. Harwood. No. 1,062,463; May 20; Gaz. vol. 190; p. 721.
- Fire-extinguisher. H. Ewoldt. No. 1,063,122; May 27; Gaz. vol. 190; p. 980.

Alphabetical list of inventions--Continued.

- Fire-extinguisher. G. A. Thornton. No. 1,063,228; June 3; Gaz. vol. 191; p. 20.
- Fire-extinguisher. G. A. Thornton. No. 1,063,476; June 3; Gaz. vol. 191; p. 103.
- Fire-extinguisher. P. Daniel. No. 1,067,803; July 22; Gaz. vol. 192; p. 752.
- Fire-extinguisher. S. L. Harwood. No. 1,068,897; July 29; Gaz. vol. 192; p. 1169.
- Fire-extinguisher. C. S. Taylor and E. W. Jackson. No. 1,069,301; Aug. 5; Gaz. vol. 193; p. 74.
- Fire-extinguisher. A. C. Rowe. No. 1,070,987; Aug. 19; Gaz. vol. 193; p. 717.
- Fire-extinguisher. A. C. Rowe. No. 1,076,787; Oct. 28; Gaz. vol. 195; p. 869.
- Fire-extinguisher, Automatic. H. W. Doughty. No. 1,050,626; Jan. 14; Gaz. vol. 186; p. 481.
- Fire-extinguisher, Automatic. H. W. Doughty. No. 1,050,627; Jan. 14; Gaz. vol. 186; p. 481.
- Fire-extinguisher, Automatic. A. La Breche. No. 1,080,068; Dec. 2; Gaz. vol. 197; p. 52.
- Fire-extinguisher, Chemical. E. C. Barron. No. 1,058,937; Apr. 15; Gaz. vol. 189; p. 613.
- Fire-extinguisher, Chemical. W. A. Painter. No. 1,061,320; May 13; Gaz. vol. 190; p. 295.
- Fire-extinguisher sprinkler-head. J. J. Daly. No. 1,051,865; Feb. 4; Gaz. vol. 187; p. 6.
- Fire-extinguisher system, Chemical-mixing. R. L. Cooney. No. 1,075,018; Oct. 7; Gaz. vol. 195; p. 147.
- Fire-extinguisher system, Chemical-mixing. R. L. Cooney. No. 1,075,195; Oct. 7; Gaz. vol. 195; p. 209.
- Fire-extinguisher system, Dry-pipe water-service. R. L. Cooney. No. 1,075,019; Oct. 7; Gaz. vol. 195; p. 147.
- Fire-extinguisher system, Dry-pipe water-service. R. L. Cooney. No. 1,075,021; Oct. 7; Gaz. vol. 195; p. 148.
- Fire-extinguisher system, Pressure-controlled. R. L. Cooney. No. 1,075,283; Oct. 7; Gaz. vol. 195; p. 242.
- Fire-extinguisher system, Stationary. R. L. Cooney. No. 1,075,014; Oct. 7; Gaz. vol. 195; p. 145.
- Fire-extinguisher system, Stationary. R. L. Cooney. No. 1,075,015; Oct. 7; Gaz. vol. 195; p. 146.
- Fire-extinguisher system, Stationary. R. L. Cooney. No. 1,075,016; Oct. 7; Gaz. vol. 195; p. 146.
- Fire-extinguisher system, Stationary. R. L. Cooney. No. 1,075,017; Oct. 7; Gaz. vol. 195; p. 146.
- Fire-extinguisher system, Stationary. R. L. Cooney. No. 1,075,020; Oct. 7; Gaz. vol. 195; p. 148.
- Fire-extinguisher system, Stationary. R. L. Cooney. No. 1,075,091; Oct. 7; Gaz. vol. 195; p. 173.
- Fire-extinguishers, Holder for hand. W. H. Tibbals. No. 1,083,159; Dec. 30; Gaz. vol. 197; p. 1234.
- Fire-extinguishing apparatus. K. Grünwald. No. 1,065,356; June 24; Gaz. vol. 191; p. 847.
- Fire-extinguishing apparatus. G. J. Coutu. No. 1,074,165; Sept. 30; Gaz. vol. 194; p. 978.
- Fire-extinguishing apparatus, Automatic. L. Van Auken. No. 1,078,388; Nov. 11; Gaz. vol. 196; p. 429.
- Fire-extinguishing apparatus, Nozzle for. F. Von Schildowsky. No. 1,061,872; May 13; Gaz. vol. 190; p. 481.
- Fire-extinguishing fluid. J. W. Aylsworth. No. 1,078,030; Nov. 11; Gaz. vol. 196; p. 302.
- Fire-extinguishing syringe. H. Merritt. No. 1,067,999; July 22; Gaz. vol. 192; p. 818.
- Fire-fighting apparatus. A. C. Farrand. No. 1,081,224; Dec. 9; Gaz. vol. 197; p. 479.
- Fire-hose connection. W. E. Sanders. No. 1,069,904; Aug. 12; Gaz. vol. 193; p. 311.
- Fire-hose nozzle. D. S. Johnston. No. 1,072,951; Sept. 9; Gaz. vol. 194; p. 472.
- Fire-hose rack. W. McClintock. No. 1,073,152; Sept. 16; Gaz. vol. 194; p. 578.
- Fire-lighter. D. S. Anthony. No. 1,059,019; Apr. 15; Gaz. vol. 189; p. 643.
- Fire-lighter. W. M. Kloeb. No. 1,075,213; Oct. 7; Gaz. vol. 195; p. 215.
- Fire, Means for releasing the fastenings of metallic parts in case of. E. H. McCloud. No. 1,074,187; Sept. 30; Gaz. vol. 194; p. 985.
- Fire-nozzle attachment. C. Scheer. No. 1,055,946; Mar. 11; Gaz. vol. 188; p. 469.
- Fire-pot. W. V. Robinson. No. 1,071,181; Aug. 26; Gaz. vol. 193; p. 818.
- Fire-pot burner. N. W. Lundy. No. 1,056,744; Mar. 18; Gaz. vol. 188; p. 778.
- Fire-protection signal system, Automatic. J. E. Shepherd. No. 1,056,459; Mar. 18; Gaz. vol. 188; p. 678.
- Fire-protection suit. A. G. Robinson. No. 1,082,213; Dec. 23; Gaz. vol. 197; p. 877.
- Fire-protection suit. A. G. Robinson. No. 1,082,214; Dec. 23; Gaz. vol. 197; p. 878.
- Fire-resisting curtain. E. H. McCloud. No. 1,076,684; Oct. 28; Gaz. vol. 195; p. 832.
- Fire-resisting shutter and slat therefor, Flexible. E. H. McCloud. No. 1,054,977; Mar. 4; Gaz. vol. 188; p. 110.
- Fire-retarding closure. J. Brogden and J. W. Watkins. No. 1,062,563; May 20; Gaz. vol. 190; p. 754.
- Fire-sheets, Flue connection for. R. B. Housley. No. 1,080,009; Dec. 2; Gaz. vol. 197; p. 31.
- Fire-shield for belt-openings. D. S. Watson. No. 1,058,283; Apr. 8; Gaz. vol. 189; p. 349.
- Fire-shutter, Automatic. E. H. McCloud. No. 1,052,735; Feb. 11; Gaz. vol. 187; p. 334.
- Fire-starter. J. M. Buckley. No. 1,053,782; Feb. 18; Gaz. vol. 187; p. 740.
- Fires, Extinguishing. G. L. Daney. No. 1,062,894; May 27; Gaz. vol. 190; p. 906.
- Firing barrels, Apparatus for. C. Phillips. No. 1,052,512; Feb. 11; Gaz. vol. 187; p. 261.
- Firing mechanism. H. F. Rojohn and W. Dick. No. 1,062,418; May 20; Gaz. vol. 190; p. 707.
- Firearm. J. C. White. No. 1,052,394; Feb. 4; Gaz. vol. 187; p. 187.
- Firearm. C. D. Willson. No. 1,054,069; Feb. 25; Gaz. vol. 187; p. 872.
- Firearm. H. P. Maxim. No. 1,054,434; Feb. 25; Gaz. vol. 187; p. 999.
- Firearm. V. De Marais. No. 1,055,147; Mar. 4; Gaz. vol. 188; p. 166.
- Firearm. E. E. Redfield. No. 1,057,170; Mar. 25; Gaz. vol. 188; p. 954.
- Firearm. F. K. Young. No. 1,058,132; Apr. 8; Gaz. vol. 189; p. 297.
- Firearm. G. S. Lewis. No. 1,059,477; Apr. 22; Gaz. vol. 189; p. 837.
- Firearm. R. Giletta. No. 1,066,487; July 8; Gaz. vol. 192; p. 232.
- Firearm. W. Bennett. No. 1,068,098; July 22; Gaz. vol. 192; p. 851.
- Firearm. F. A. Hollenbeck. No. 1,068,586; July 29; Gaz. vol. 192; p. 1058.
- Firearm. H. B. Febiger. No. 1,068,751; July 29; Gaz. vol. 192; p. 1116.
- Firearm. H. B. Febiger. No. 1,068,752; July 29; Gaz. vol. 192; p. 1116.
- Firearm. J. M. Browning. No. 1,070,582; Aug. 19; Gaz. vol. 193; p. 586.
- Firearm. J. D. Pedersen. No. 1,071,173; Aug. 26; Gaz. vol. 193; p. 815.
- Firearm. J. D. Pedersen. No. 1,072,982; Sept. 9; Gaz. vol. 194; p. 484.
- Firearm. J. C. White. No. 1,073,452; Sept. 16; Gaz. vol. 194; p. 685.
- Firearm. M. L. Castle. No. 1,074,046; Sept. 23; Gaz. vol. 194; p. 909.
- Firearm. M. F. Smith. No. 1,077,103; Oct. 28; Gaz. vol. 195; p. 978.
- Firearm. A. T. Dawson and G. T. Buckham. No. 1,077,873; Nov. 4; Gaz. vol. 196; p. 216.
- Firearm. F. J. Hupy. No. 1,078,923; Nov. 18; Gaz. vol. 196; p. 643.
- Firearm. C. A. Nelson. No. 1,080,364; Dec. 2; Gaz. vol. 197; p. 158.
- Firearm. S. Korovine. No. 1,082,201; Dec. 23; Gaz. vol. 197; p. 873.
- Firearm. C. W. Lang. No. 1,082,961; Dec. 30; Gaz. vol. 197; p. 1172.
- Firearm. C. A. Nelson. No. 1,082,969; Dec. 30; Gaz. vol. 197; p. 1175.
- Firearm and sword, Combined. J. Cihucki. No. 1,052,316; Feb. 4; Gaz. vol. 187; p. 160.
- Firearm attachment. L. F. Kunz. No. 1,072,335; Sept. 2; Gaz. vol. 194; p. 224.
- Firearm, Automatic. P. M. Menteyne and P. A. Degaille. No. 1,059,680; Apr. 22; Gaz. vol. 189; p. 903.
- Firearm, Automatic. C. F. Nardin. No. 1,067,054; July 8; Gaz. vol. 192; p. 427.
- Firearm, Automatic. L. Schmeisser. No. 1,077,760; Nov. 4; Gaz. vol. 196; p. 179.
- Firearm, Automatic breech-loading. P. von Király and J. Lovász. No. 1,073,908; Sept. 23; Gaz. vol. 194; p. 863.
- Firearm, Automatic repeating. A. C. McClure. No. 1,075,431; Oct. 14; Gaz. vol. 195; p. 318.
- Firearm-barrel cleaner. M. W. P'Pool. No. 1,061,119; May 6; Gaz. vol. 190; p. 193.
- Firearm, Electric. A. Tépins. No. 1,076,530; Oct. 21; Gaz. vol. 195; p. 725.
- Firearm, Magazine-. J. O. Simpson. No. 1,061,787; May 13; Gaz. vol. 190; p. 454.
- Firearm, Magazine-. C. C. Tyler. No. 1,061,789; May 13; Gaz. vol. 190; p. 455.
- Firearm, Magazine-. C. J. Jolidon. No. 1,066,206; July 1; Gaz. vol. 192; p. 108.
- Firearm, Magazine-. C. J. Jolidon. No. 1,066,207; July 1; Gaz. vol. 192; p. 108.
- Firearm, Recoil-operated. L. H. Dolley. No. 1,067,721; July 15; Gaz. vol. 192; p. 691.
- Firearm, Recoil-operated. J. A. Taylor. No. 1,078,224; Nov. 11; Gaz. vol. 196; p. 369.
- Firearm, Repeating. F. M. Osborne. No. 1,077,228; Oct. 28; Gaz. vol. 195; p. 1017.
- Firearm safety device. A. Müller. No. 1,058,887; Apr. 15; Gaz. vol. 189; p. 596.
- Firearm safety device. J. M. Browning. No. 1,065,342; June 24; Gaz. vol. 191; p. 842.
- Firearm-sight. F. C. Scott. No. 1,051,164; Jan. 21; Gaz. vol. 186; p. 701.
- Firearm-sight. R. A. G. Cale. No. 1,051,485; Jan. 28; Gaz. vol. 186; p. 841.
- Firearm-sight. R. L. Warner. No. 1,051,791; Jan. 28; Gaz. vol. 186; p. 941.
- Firearm-sight. C. H. A. F. L. Ross. No. 1,055,801; Mar. 11; Gaz. vol. 188; p. 422.

Alphabetical list of inventions—Continued.

- Firearm-sight. D. H. Masters and A. L. Clark. No. 1,063,712; June 3; Gaz. vol. 191; p. 189.
- Firearm-sight. K. A. Bräuning. No. 1,070,767; Aug. 19; Gaz. vol. 193; p. 647.
- Firearm-silencer. W. R. Gray. No. 1,066,898; July 8; Gaz. vol. 192; p. 375.
- Firearm-silencer. H. P. Moore. No. 1,080,154; Dec. 2; Gaz. vol. 197; p. 83.
- Firearm, Tubular-magazine. T. C. Johnson. No. 1,068,060; July 22; Gaz. vol. 192; p. 839.
- Firearms, Auxiliary grip for small. W. H. Leach, Jr. No. 1,049,739; Jan. 7; Gaz. vol. 186; p. 143.
- Firearms, Bolt-breech for. B. Goebel. No. 1,067,243; July 15; Gaz. vol. 192; p. 528.
- Firearms, Breech-mechanism lock for automatic. H. Borchardt. No. 1,071,023; Aug. 26; Gaz. vol. 193; p. 764.
- Firearms, Cartridge-adapter for. F. C. Chadwick. No. 1,061,265; May 13; Gaz. vol. 190; p. 276.
- Firearms, Extractor for. C. W. Laird, P. M. Menteyne, and P. A. Degaille. No. 1,066,737; July 8; Gaz. vol. 192; p. 322.
- Firearms, Firing mechanism for. A. Müller. No. 1,058,886; Apr. 15; Gaz. vol. 189; p. 596.
- Firearms, Firing mechanism for automatic. K. A. Bräuning. No. 1,073,588; Sept. 23; Gaz. vol. 194; p. 752.
- Firearms, Folding rest for. H. Nikodem. No. 1,076,692; Oct. 28; Gaz. vol. 195; p. 836.
- Firearms, Light attachment for. C. A. Lewis. No. 1,070,348; Aug. 12; Gaz. vol. 193; p. 462.
- Firearms, Powder and repellant for use in. C. Newton. No. 1,074,809; Oct. 7; Gaz. vol. 195; p. 75.
- Firearms, Registering attachment for. A. Rey. No. 1,056,582; Mar. 18; Gaz. vol. 188; p. 722.
- Firearms, Sight for. M. P. Nash. No. 1,082,355; Dec. 23; Gaz. vol. 197; p. 930.
- Firearms, Take-down construction for. J. M. Browning. No. 1,065,341; June 24; Gaz. vol. 191; p. 842.
- Fireplace. M. V. Arnold. No. 1,061,718; May 13; Gaz. vol. 190; p. 434.
- Fireplace-furnace. M. J. Farquhar. No. 1,075,909; Oct. 14; Gaz. vol. 195; p. 481.
- Fireplace-lining. G. B. Haggard. No. 1,069,944; Aug. 12; Gaz. vol. 193; p. 324.
- Fireplace, Open. G. Stickley. No. 1,068,545; July 29; Gaz. vol. 192; p. 1044.
- Fireplace, Portable gas-log. Q. S. Backus. No. 1,079,686; Nov. 25; Gaz. vol. 196; p. 935.
- Fireproof and elastic material, Producing a. N. Magelsen. No. 1,074,511; Sept. 30; Gaz. vol. 194; p. 1091.
- Fireproof arch. P. H. Bevier. No. 1,063,005; May 27; Gaz. vol. 190; p. 941.
- Fireproof building construction. H. J. Wagner. No. 1,069,503; Aug. 5; Gaz. vol. 193; p. 145.
- Fireproof closures, Locking mechanism for. J. H. Rowley. No. 1,051,918; Feb. 4; Gaz. vol. 187; p. 24.
- Fireproof covering for walls and ceilings, Machine for forming. G. McKay. No. 1,053,106; Feb. 11; Gaz. vol. 187; p. 464.
- Fireproof door. J. A. Wheeler. No. 1,049,429; Jan. 7; Gaz. vol. 186; p. 38.
- Fireproof door and the like. G. Crossley. No. 1,064,293; June 10; Gaz. vol. 191; p. 419.
- Fireproof filing-case. J. A. Clark. No. 1,071,984; Sept. 2; Gaz. vol. 194; p. 107.
- Fireproof floor construction. E. V. Johnson. No. 1,076,040; Oct. 21; Gaz. vol. 195; p. 554.
- Fireproof knockdown house. J. Loebner. No. 1,051,842; Jan. 28; Gaz. vol. 186; p. 959.
- Fireproof material, Laminated. G. E. Behrens and J. Veit. No. 1,063,939; June 3; Gaz. vol. 191; p. 264.
- Fireproof partition. J. Scheas. No. 1,075,123; Oct. 7; Gaz. vol. 195; p. 184.
- Fireproof partition. G. H. Geraerds. No. 1,075,910; Oct. 14; Gaz. vol. 195; p. 482.
- Fireproof safe for cabinets. J. Booth. No. 1,078,123; Nov. 11; Gaz. vol. 196; p. 334.
- Fireproof sheathing for structural steel. T. H. Skinner. No. 1,056,463; Mar. 18; Gaz. vol. 188; p. 680.
- Fireproof stair. G. W. Brooks. No. 1,064,050; June 10; Gaz. vol. 191; p. 336.
- Fireproof stair. D. A. Anderson. No. 1,078,403; Nov. 11; Gaz. vol. 196; p. 434.
- Fireproof wall. W. Geraerds and C. R. Ballner. No. 1,078,273; Nov. 11; Gaz. vol. 196; p. 386.
- Fireproof window. L. H. Selden. No. 1,071,357; Aug. 26; Gaz. vol. 193; p. 877.
- Fireproof window construction. W. R. Kinnear. No. 1,079,862; Nov. 25; Gaz. vol. 196; p. 998.
- Fireproofing composition. W. A. Hall. No. 1,080,966; Dec. 9; Gaz. vol. 197; p. 396.
- Fireproofing roofing materials. H. Dubbeldam, Hzn. No. 1,073,800; Sept. 23; Gaz. vol. 194; p. 826.
- Fireproofing wood. W. A. Hall. No. 1,076,762; Oct. 28; Gaz. vol. 195; p. 859.
- Fish-cutting machine. F. D. Cleveland. No. 1,078,719; Nov. 18; Gaz. vol. 196; p. 572.
- Fish-guard. R. Chandler. No. 1,080,415; Dec. 2; Gaz. vol. 197; p. 176.
- Fish-guard for ditches. J. Fleishman. No. 1,063,344; June 3; Gaz. vol. 191; p. 59.
- Fish-hook. H. L. Fearing. No. 1,050,529; Jan. 14; Gaz. vol. 186; p. 448.
- Fish-hook. C. L. Van Nordsall. No. 1,055,104; Mar. 4; Gaz. vol. 188; p. 153.
- Fish-hook. R. A. Bonnell. No. 1,056,397; Mar. 18; Gaz. vol. 188; p. 655.
- Fish-hook. L. J. Englund. No. 1,066,392; July 1; Gaz. vol. 192; p. 170.
- Fish-hook and animal-trap, Combined. W. F. Sweet. No. 1,072,672; Sept. 9; Gaz. vol. 194; p. 371.
- Fish-hook, Automatic. F. Foerster. No. 1,081,106; Dec. 9; Gaz. vol. 197; p. 438.
- Fish-line reels, Lock-seat for. F. E. Thomas. No. 1,065,481; June 24; Gaz. vol. 191; p. 890.
- Fish, Machine for cutting off the heads and tails of. F. D. Cleveland. No. 1,078,717; Nov. 18; Gaz. vol. 196; p. 572.
- Fish, Machine for handling and cutting. F. D. Cleveland. No. 1,078,718; Nov. 18; Gaz. vol. 196; p. 572.
- Fish-net-lifting machine. K. Paulsen. No. 1,054,025; Feb. 25; Gaz. vol. 187; p. 858.
- Fish-plate. H. H. Dudley. No. 1,066,002; July 1; Gaz. vol. 192; p. 34.
- Fish-plate. A. Lodge. No. 1,076,296; Oct. 21; Gaz. vol. 195; p. 642.
- Fish, Positioning. F. D. Cleveland. No. 1,078,720; Nov. 18; Gaz. vol. 196; p. 573.
- Fish-pounds, Lead-in for. A. C. Briggs. No. 1,082,998; Dec. 30; Gaz. vol. 197; p. 1184.
- Fish, Preserving fresh. J. R. Henderson. No. 1,055,636; Mar. 11; Gaz. vol. 188; p. 365.
- Fish-scaler. F. Knapp. No. 1,080,982; Dec. 9; Gaz. vol. 197; p. 401.
- Fish-screen. R. W. Requa. No. 1,065,724; June 24; Gaz. vol. 191; p. 972.
- Fish-screen. A. J. Collar. No. 1,076,483; Oct. 21; Gaz. vol. 195; p. 708.
- Fish-screen. H. I. Shotwell. No. 1,080,488; Dec. 2; Gaz. vol. 197; p. 199.
- Fish-screen, Automatic. E. Knipe. No. 1,054,566; Feb. 25; Gaz. vol. 187; p. 1042.
- Fish-screen, Revolving. G. V. Ballard. No. 1,063,316; June 3; Gaz. vol. 191; p. 49.
- Fish-spear. C. E. Schell. No. 1,072,172; Sept. 2; Gaz. vol. 194; p. 172.
- Fish-trap. J. E. Pharo and W. S. Benjamin. No. 1,062,849; May 27; Gaz. vol. 190; p. 891.
- Fish-trapping device. L. O. Waldo. No. 1,049,551; Jan. 7; Gaz. vol. 186; p. 80.
- Fishing-creeels, Harness for. W. D. Humphrey. No. 1,060,257; Apr. 29; Gaz. vol. 189; p. 1138.
- Fishing device. R. J. Howse. No. 1,055,748; Mar. 11; Gaz. vol. 188; p. 403.
- Fishing-float. J. E. L. Beals. No. 1,065,204; June 17; Gaz. vol. 191; p. 757.
- Fishing-float. B. M. Hartley. No. 1,072,005; Sept. 2; Gaz. vol. 194; p. 116.
- Fishing-line-drying reel. C. M. Covington. No. 1,081,435; Dec. 16; Gaz. vol. 197; p. 589.
- Fishing-reel. L. Atwood. No. 1,073,728; Sept. 23; Gaz. vol. 194; p. 804.
- Fishing-reel, Automatic. M. H. McCluer and A. C. Munn. No. 1,062,488; May 20; Gaz. vol. 190; p. 730.
- Fishing-reel, Automatic. P. Catucci. No. 1,064,816; June 17; Gaz. vol. 191; p. 631.
- Fishing-reels, Spool for. W. Kramer. No. 1,056,428; Mar. 18; Gaz. vol. 188; p. 668.
- Fishing-rod. T. D. Whistler. No. 1,056,870; Mar. 25; Gaz. vol. 188; p. 850.
- Fishing-rod. T. D. Whistler. No. 1,063,402; June 3; Gaz. vol. 191; p. 79.
- Fishing-rod. C. E. Long. No. 1,073,260; Sept. 16; Gaz. vol. 194; p. 617.
- Fishing-rod, Telescopic. C. A. Tredwell. No. 1,064,030; June 10; Gaz. vol. 191; p. 329.
- Fishing-rod tip end or top. C. C. Meyer. No. 1,078,589; Nov. 11; Gaz. vol. 196; p. 494.
- Fishing-tackle, Manufacturing sinking-weights for. A. P. Paulsson. No. 1,050,748; Jan. 14; Gaz. vol. 186; p. 519.
- Fishing-tool. C. M. Heeter. No. 1,051,225; Jan. 21; Gaz. vol. 186; p. 719.
- Fishing-tool. T. E. McKee. No. 1,056,197; Mar. 18; Gaz. vol. 188; p. 589.
- Fishways, Drum-screen for. H. B. Johnston. No. 1,064,335; June 10; Gaz. vol. 191; p. 433.
- Fixture. W. Lumley. No. 1,059,742; Apr. 22; Gaz. vol. 189; p. 922.
- Fixture-coupling. A. Polackbeck. No. 1,062,664; May 27; Gaz. vol. 190; p. 830.
- Flag and staff. P. W. Pratt. No. 1,062,850; May 27; Gaz. vol. 190; p. 891.
- Flag-halyards cleat and carrier. J. J. Buckley. No. 1,061,042; May 6; Gaz. vol. 190; p. 169.
- Flagstaff, &c., holder. J. M. Hibbard. No. 1,065,685; June 24; Gaz. vol. 191; p. 960.
- Flagstaff-truck, Rotatable. J. J. Buckley. No. 1,061,041; May 6; Gaz. vol. 190; p. 168.

Alphabetical list of inventions—Continued.

- Flame along a conduit conveying combustible gaseous mixtures, Means for preventing the backward propagation of. A. C. Ionides, Jr. No. 1,068,904; July 29; Gaz. vol. 192; p. 1172.
- Flame and spark arrester. A. B. Doering. No. 1,065,118; June 17; Gaz. vol. 191; p. 730.
- Flame, Means for preventing the backward propagation of. A. C. Ionides, Jr. No. 1,061,847; May 13; Gaz. vol. 190; p. 472.
- Flange friction, Means for overcoming. T. H. Gawley. No. 1,051,214; Jan. 21; Gaz. vol. 186; p. 716.
- Flange-lubricating device. J. C. Martin. No. 1,058,675; Apr. 8; Gaz. vol. 189; p. 483.
- Flange-lubricator. T. F. Bellhouse. No. 1,059,021; Apr. 15; Gaz. vol. 189; p. 643.
- Flange-lubricator. H. W. Coddington. No. 1,073,093; Sept. 16; Gaz. vol. 194; p. 558.
- Flange, No-slip. A. C. Schuermann. No. 1,080,520; Dec. 2; Gaz. vol. 197; p. 210.
- Flanging. H. McCabe. No. 1,065,824; June 24; Gaz. vol. 191; p. 1005.
- Flanging-machine. J. Brenzinger. No. 1,058,942; Apr. 15; Gaz. vol. 189; p. 615.
- Flash-boiler. W. H. Winslow. No. 1,065,418; June 24; Gaz. vol. 191; p. 869.
- Flash-boiler. W. H. Winslow. No. 1,065,419; June 24; Gaz. vol. 191; p. 869.
- Flash-light. A. J. Dupont. No. 1,074,354; Sept. 30; Gaz. vol. 194; p. 1041.
- Flash-light. F. Wysocki. No. 1,079,088; Nov. 18; Gaz. vol. 196; p. 700.
- Flash-light apparatus. I. G. McColl. No. 1,061,306; May 13; Gaz. vol. 190; p. 289.
- Flash-light apparatus. D. C. Shoberg. No. 1,063,075; May 27; Gaz. vol. 190; p. 965.
- Flash-light apparatus. J. W. Jackson. No. 1,072,853; Sept. 9; Gaz. vol. 194; p. 435.
- Flash-light apparatus. T. E. Halldorson. No. 1,081,500; Dec. 16; Gaz. vol. 197; p. 611.
- Flash-machine. J. L. Courson. No. 1,080,750; Dec. 9; Gaz. vol. 197; p. 321.
- Flasher. F. Behan. No. 1,063,640; June 3; Gaz. vol. 191; p. 163.
- Flashing. E. M. Forbes. No. 1,051,570; Jan. 28; Gaz. vol. 186; p. 871.
- Flashing. J. E. McCarville. No. 1,082,602; Dec. 30; Gaz. vol. 197; p. 1046.
- Flask. *See* Dental flask; Liquid-flask; Molder's flask; Molding-flask; Snap-flask.
- Flask. W. C. Poppe. No. 1,071,175; Aug. 26; Gaz. vol. 193; p. 816.
- Flat-iron. S. Pollock. No. 1,072,257; Sept. 2; Gaz. vol. 194; p. 198.
- Flat-iron cleaner and polisher. J. H. Soennichsen. No. 1,054,048; Feb. 25; Gaz. vol. 187; p. 866.
- Flat-iron cleaner and polisher. S. J. Mercer. No. 1,073,774; Sept. 23; Gaz. vol. 194; p. 819.
- Flat-iron, Electric. E. F. Stegeman. No. 1,055,951; Mar. 11; Gaz. vol. 188; p. 471.
- Flat-iron, Electric. R. Boomer. No. 1,060,061; Apr. 29; Gaz. vol. 189; p. 1071.
- Flat-iron heater. E. Martin. No. 1,058,880; Apr. 15; Gaz. vol. 189; p. 594.
- Flat-irons, Automatic temperature control for self-heating. E. Ruud. No. 1,074,467; Sept. 30; Gaz. vol. 194; p. 1079.
- Flat-irons, Automatic temperature control for self-heating. E. Ruud. No. 1,075,991; Oct. 14; Gaz. vol. 195; p. 510.
- Flat-irons, Vaporizer for liquid-fuel. K. Kaltschmid, Jr. No. 1,052,925; Feb. 11; Gaz. vol. 187; p. 402.
- Flax for obtaining a product adapted to be spun like carded wool yarn, Treatment of waste. A. Kube. No. 1,051,124; Jan. 21; Gaz. vol. 186; p. 687.
- Flax, Retting. W. J. Fernie. No. 1,083,074; Dec. 30; Gaz. vol. 197; p. 1208.
- Flexible coupling. J. B. Meriam. No. 1,069,454; Aug. 5; Gaz. vol. 193; p. 128.
- Flexible joint. G. R. Augustine. No. 1,049,438; Jan. 7; Gaz. vol. 186; p. 41.
- Flexible tube. J. W. Gwinn and J. Dawson. No. 1,068,386; July 22; Gaz. vol. 192; p. 952.
- Flies from buildings, Means for excluding. C. B. Gillespie. No. 1,053,983; Feb. 25; Gaz. vol. 187; p. 844.
- Flies from buildings, Means for excluding. C. B. Gillespie. No. 1,064,140; June 10; Gaz. vol. 191; p. 368.
- Fly-catcher. M. C. Armstrong. No. 1,083,179; Dec. 30; Gaz. vol. 197; p. 1238.
- Fly-catcher and garbage-can combination. G. C. Welter. No. 1,082,103; Dec. 23; Gaz. vol. 197; p. 841.
- Fly-catching apparatus. L. K. Kingsland. No. 1,071,620; Aug. 26; Gaz. vol. 193; p. 964.
- Fly-chasing attachment for doors. J. W. Shumate. No. 1,080,598; Dec. 9; Gaz. vol. 197; p. 268.
- Fly-destroying device. O. E. Chapman. No. 1,081,364; Dec. 16; Gaz. vol. 197; p. 566.
- Fly-killer. D. Carswell. No. 1,055,133; Mar. 4; Gaz. vol. 188; p. 162.
- Fly-killer. L. Allis and A. R. Wiens. No. 1,055,998; Mar. 18; Gaz. vol. 188; p. 522.
- Fly-killer. E. L. Grimes and F. Peterson. No. 1,056,535; Mar. 18; Gaz. vol. 188; p. 707.
- Fly-killer, Electric. J. A. Tate. No. 1,062,516; May 20; Gaz. vol. 190; p. 739.
- Fly-killer, Electrical. F. D. Warren. No. 1,058,680; Apr. 8; Gaz. vol. 189; p. 485.
- Fly-net for horses. W. E. Wahra. No. 1,078,022; Nov. 11; Gaz. vol. 196; p. 300.
- Fly-paper. N. L. Foster. No. 1,080,822; Dec. 9; Gaz. vol. 197; p. 348.
- Fly-paper holder. E. E. White. No. 1,066,351; July 1; Gaz. vol. 192; p. 158.
- Fly-paper holder. A. W. Bischoff. No. 1,080,249; Dec. 2; Gaz. vol. 197; p. 116.
- Fly-paper holder. J. R. Smith. No. 1,080,382; Dec. 2; Gaz. vol. 197; p. 165.
- Fly-paper, Sticky. J. H. Reese. No. 1,071,578; Aug. 26; Gaz. vol. 193; p. 949.
- Fly-screen. E. White. No. 1,057,310; Mar. 25; Gaz. vol. 188; p. 1001.
- Fly-screen. L. S. Couplin. No. 1,060,743; May 6; Gaz. vol. 190; p. 62.
- Fly-screen. N. Lewis. No. 1,077,247; Oct. 28; Gaz. vol. 195; p. 1023.
- Fly-shield. T. G. and R. H. Raveling. No. 1,070,914; Aug. 19; Gaz. vol. 193; p. 694.
- Fly-swatter. G. D. Henry. No. 1,075,784; Oct. 14; Gaz. vol. 195; p. 438.
- Fly-trap. W. A. Verzani. No. 1,053,251; Feb. 18; Gaz. vol. 187; p. 557.
- Fly-trap. G. Crichton. No. 1,053,714; Feb. 18; Gaz. vol. 187; p. 719.
- Fly-trap. S. N. Edgar. No. 1,055,620; Mar. 11; Gaz. vol. 188; p. 360.
- Fly-trap. J. R. Smith. No. 1,057,291; Mar. 25; Gaz. vol. 188; p. 995.
- Fly-trap. J. B. Meadows. No. 1,057,867; Apr. 1; Gaz. vol. 189; p. 162.
- Fly-trap. D. L. Buck. No. 1,062,663; May 27; Gaz. vol. 190; p. 820.
- Fly-trap. A. F. Ramsey. No. 1,062,734; May 27; Gaz. vol. 190; p. 852.
- Fly-trap. J. Guy. No. 1,065,241; June 17; Gaz. vol. 191; p. 770.
- Fly-trap. E. Lampel. No. 1,066,630; July 8; Gaz. vol. 192; p. 283.
- Fly-trap. A. B. Avis. No. 1,068,557; July 29; Gaz. vol. 192; p. 1047.
- Fly-trap. S. C. Dorland. No. 1,069,537; Aug. 5; Gaz. vol. 193; p. 155.
- Fly-trap. V. Kramer. No. 1,071,437; Aug. 26; Gaz. vol. 193; p. 903.
- Fly-trap. S. Louviere. No. 1,072,342; Sept. 2; Gaz. vol. 194; p. 226.
- Fly-trap. L. C. Acree. No. 1,072,374; Sept. 2; Gaz. vol. 194; p. 239.
- Fly-trap. W. I. Waggoner. No. 1,073,190; Sept. 16; Gaz. vol. 194; p. 592.
- Fly-trap. C. G. Miller. No. 1,073,811; Sept. 23; Gaz. vol. 194; p. 830.
- Fly-trap. G. J. Carlisle. No. 1,074,604; Oct. 7; Gaz. vol. 195; p. 6.
- Fly-trap. J. W. Hodges. No. 1,075,102; Oct. 7; Gaz. vol. 195; p. 176.
- Fly-trap. J. H. Hanes. No. 1,077,066; Oct. 28; Gaz. vol. 195; p. 967.
- Fly-trap. C. W. Reynolds. No. 1,078,465; Nov. 11; Gaz. vol. 196; p. 453.
- Fly-trap. D. W. John. No. 1,082,027; Dec. 23; Gaz. vol. 197; p. 816.
- Fly-trap. R. G. Price. No. 1,082,358; Dec. 23; Gaz. vol. 197; p. 931.
- Fly-trap hanger. K. Träger. No. 1,071,041; Aug. 26; Gaz. vol. 193; p. 770.
- Fly-wheel. J. C. R. March. No. 1,076,219; Oct. 21; Gaz. vol. 195; p. 614.
- Fly-wheel compensating system. L. Thallmayer. No. 1,051,782; Jan. 28; Gaz. vol. 186; p. 938.
- Fly-wheel jack. S. D. Stackhouse. No. 1,082,452; Dec. 23; Gaz. vol. 197; p. 960.
- Flying apparatus. G. Vogt. No. 1,054,374; Feb. 25; Gaz. vol. 187; p. 977.
- Flying device. B. Flick and P. Reinig. No. 1,076,879; Oct. 28; Gaz. vol. 195; p. 902.
- Flying-machine. R. F. Huber. No. 1,049,486; Jan. 7; Gaz. vol. 186; p. 56.
- Flying-machine. E. L. Sieg. No. 1,049,927; Jan. 7; Gaz. vol. 186; p. 206.
- Flying-machine. A. G. Bell. No. 1,050,601; Jan. 14; Gaz. vol. 186; p. 473.
- Flying-machine. J. P. Holland. No. 1,050,654; Jan. 14; Gaz. vol. 186; p. 489.
- Flying-machine. A. T. Zeise. No. 1,052,199; Feb. 4; Gaz. vol. 187; p. 123.
- Flying-machine. A. L. Gettys and A. E. Hlteshew. No. 1,052,334; Feb. 4; Gaz. vol. 187; p. 166.
- Flying-machine. E. E. Porter. No. 1,052,378; Feb. 4; Gaz. vol. 187; p. 182.
- Flying-machine. J. W. Seddon. No. 1,052,623; Feb. 11; Gaz. vol. 187; p. 298.
- Flying-machine. F. D'Orbessan. No. 1,052,803; Feb. 11; Gaz. vol. 187; p. 360.

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- Flying-machine. S. B. Eversen and J. McLarty. No. 1,054,099; Feb. 25; Gaz. vol. 187; p. 883.
- Flying-machine. J. W. Wilson. No. 1,055,379; Mar. 11; Gaz. vol. 188; p. 281.
- Flying-machine. H. M. Cooley. No. 1,056,150; Mar. 18; Gaz. vol. 188; p. 574.
- Flying-machine. F. M. Bell. No. 1,056,772; Mar. 25; Gaz. vol. 188; p. 817.
- Flying-machine. S. D. Mott. No. 1,057,444; Apr. 1; Gaz. vol. 189; p. 17.
- Flying-machine. C. Stiriz. No. 1,058,485; Apr. 8; Gaz. vol. 189; p. 418.
- Flying-machine. M. L. Atwater. No. 1,060,058; Apr. 29; Gaz. vol. 189; p. 1070.
- Flying-machine. O. Ohlson. No. 1,060,115; Apr. 29; Gaz. vol. 189; p. 1088.
- Flying-machine. A. R. Nordstrom. No. 1,061,108; May 6; Gaz. vol. 190; p. 188.
- Flying-machine. A. R. Nordstrom. No. 1,061,198; May 6; Gaz. vol. 190; p. 218.
- Flying-machine. V. L. Rodriguez. No. 1,061,870; May 13; Gaz. vol. 190; p. 480.
- Flying-machine. O. Hill. No. 1,062,007; May 20; Gaz. vol. 190; p. 568.
- Flying-machine. C. E. Smith. No. 1,062,572; May 20; Gaz. vol. 190; p. 757.
- Flying-machine. E. D. Green. No. 1,063,432; June 3; Gaz. vol. 191; p. 89.
- Flying-machine. F. L. Schaffer. No. 1,064,015; June 10; Gaz. vol. 191; p. 324.
- Flying-machine. D. Blaser. No. 1,064,600; June 10; Gaz. vol. 191; p. 524.
- Flying-machine. W. Rabsilber. No. 1,065,394; June 24; Gaz. vol. 191; p. 860.
- Flying-machine. L. Sommer. No. 1,065,739; June 24; Gaz. vol. 191; p. 977.
- Flying-machine. H. E. Hawes. No. 1,067,425; July 15; Gaz. vol. 192; p. 591.
- Flying-machine. C. F. Jenkins. No. 1,067,432; July 15; Gaz. vol. 192; p. 593.
- Flying-machine. N. B. Converse. No. 1,068,110; July 22; Gaz. vol. 192; p. 855.
- Flying-machine. R. G. Dressler. No. 1,068,332; July 22; Gaz. vol. 192; p. 934.
- Flying-machine. D. Hartley. No. 1,068,651; July 29; Gaz. vol. 192; p. 1081.
- Flying-machine. D. Hartley. No. 1,068,652; July 29; Gaz. vol. 192; p. 1082.
- Flying-machine. J. C. Johnston. No. 1,068,663; July 29; Gaz. vol. 192; p. 1086.
- Flying-machine. G. and U. Antoni. No. 1,068,727; July 29; Gaz. vol. 192; p. 1108.
- Flying-machine. H. L. E. Johnson. No. 1,069,138; Aug. 5; Gaz. vol. 193; p. 16.
- Flying-machine. A. M. Sipes. No. 1,069,823; Aug. 12; Gaz. vol. 193; p. 283.
- Flying-machine. H. J. Snook. No. 1,069,906; Aug. 12; Gaz. vol. 193; p. 311.
- Flying-machine. F. M. Bell. No. 1,070,576; Aug. 19; Gaz. vol. 193; p. 584.
- Flying-machine. G. W. Lynn. No. 1,070,972; Aug. 19; Gaz. vol. 193; p. 712.
- Flying-machine. H. G. Morris. No. 1,073,277; Sept. 16; Gaz. vol. 194; p. 623.
- Flying-machine. G. E. Dickson. No. 1,073,334; Sept. 16; Gaz. vol. 194; p. 643.
- Flying-machine. J. Bércz, (now by judicial change of name J. Bércz.) No. 1,073,655; Sept. 23; Gaz. vol. 194; p. 776.
- Flying-machine. M. A. Parisano. No. 1,074,525; Sept. 30; Gaz. vol. 194; p. 1096.
- Flying-machine. R. Plastino. No. 1,075,302; Oct. 7; Gaz. vol. 195; p. 249.
- Flying-machine. O. and W. Wright. No. 1,075,533; Oct. 14; Gaz. vol. 195; p. 353.
- Flying-machine. I. Rystedt and M. Steele. No. 1,075,863; Oct. 14; Gaz. vol. 195; p. 465.
- Flying-machine. J. G. A. Kitchen. No. 1,076,377; Oct. 21; Gaz. vol. 195; p. 670.
- Flying-machine. V. M. Osborn. No. 1,076,514; Oct. 21; Gaz. vol. 195; p. 718.
- Flying-machine. W. L. Quick. No. 1,076,644; Oct. 21; Gaz. vol. 195; p. 767.
- Flying-machine. J. N. Williams. No. 1,076,803; Oct. 28; Gaz. vol. 195; p. 874.
- Flying-machine. C. R. and A. D. Wittemann. No. 1,077,111; Oct. 28; Gaz. vol. 195; p. 980.
- Flying-machine. C. E. Baker. No. 1,077,114; Oct. 28; Gaz. vol. 195; p. 981.
- Flying-machine. H. R. Coffman. No. 1,077,258; Nov. 4; Gaz. vol. 196; p. 6.
- Flying-machine. M. A. Batson. No. 1,077,786; Nov. 4; Gaz. vol. 196; p. 187.
- Flying-machine. W. S. Hull. No. 1,078,143; Nov. 11; Gaz. vol. 196; p. 341.
- Flying-machine. J. Menzl and E. Burdg. No. 1,079,508; Nov. 25; Gaz. vol. 196; p. 874.
- Flying-machine. S. L. Buchanan. No. 1,080,195; Dec. 2; Gaz. vol. 197; p. 97.
- Flying-machine. C. E. Smith. No. 1,080,726; Dec. 9; Gaz. vol. 197; p. 311.
- Flying-machine. C. F. Jenkins. No. 1,081,504; Dec. 16; Gaz. vol. 197; p. 612.
- Flying-machine. O. Shumate. No. 1,081,869; Dec. 16; Gaz. vol. 197; p. 733.
- Flying-machine. G. A. Wendt. No. 1,082,143; Dec. 23; Gaz. vol. 197; p. 853.
- Flying-machine. O. T. Ross. No. 1,082,769; Dec. 30; Gaz. vol. 197; p. 1106.
- Flying-machine, Aeroplane. B. F. Seymour, Jr. No. 1,070,849; Aug. 19; Gaz. vol. 193; p. 673.
- Flying-machine-anchoring device. A. L. Batsleer and S. B. Thomas. No. 1,070,856; Aug. 19; Gaz. vol. 193; p. 676.
- Flying-machine and automobile, Combined. J. Gavura. No. 1,069,688; Aug. 12; Gaz. vol. 193; p. 235.
- Flying-machine-balancing device. P. Stolberg. No. 1,070,200; Aug. 12; Gaz. vol. 193; p. 412.
- Flying-machine bomb. H. S. Maxim. No. 1,077,991; Nov. 11; Gaz. vol. 196; p. 289.
- Flying-machine-controlling device. P. Stumpf and J. Schroeder. No. 1,061,701; May 13; Gaz. vol. 190; p. 428.
- Flying-machine, Dirigible. B. F. Seymour, Jr. No. 1,054,798; Mar. 4; Gaz. vol. 188; p. 50.
- Flying-machine equilibrator. E. D. Stevenson. No. 1,075,447; Oct. 14; Gaz. vol. 195; p. 324.
- Flying-machine having supporting-planes located one behind another. E. Kikut. No. 1,058,983; Apr. 15; Gaz. vol. 189; p. 629.
- Flying-machine or aeroplane. E. Pupin. No. 1,059,905; Apr. 22; Gaz. vol. 189; p. 975.
- Flying-machine-propelling mechanism. A. R. Nordstrom. No. 1,064,162; June 10; Gaz. vol. 191; p. 375.
- Flying-machine running support. M. A. Parisano. No. 1,049,521; Jan. 7; Gaz. vol. 186; p. 68.
- Flying-machine safety-support. R. P. Fox. No. 1,073,977; Sept. 23; Gaz. vol. 194; p. 887.
- Flying-machines, Automatic safety device or stabilizer for heavier-than-air. W. Saint. No. 1,050,566; Jan. 14; Gaz. vol. 186; p. 461.
- Flying-machines, Device for maintaining the equilibrium of. F. W. Dufwa. No. 1,065,033; June 17; Gaz. vol. 191; p. 701.
- Flying or soaring machine. C. J. Lake. No. 1,049,498; Jan. 7; Gaz. vol. 186; p. 60.
- Float. E. N. Broderick. No. 1,072,420; Sept. 9; Gaz. vol. 194; p. 283.
- Float. W. R. Uchtmann. No. 1,075,074; Oct. 7; Gaz. vol. 195; p. 168.
- Float control. H. T. Cronk. No. 1,063,509; June 3; Gaz. vol. 191; p. 114.
- Flood-gate. A. S. Galbraith. No. 1,063,123; May 27; Gaz. vol. 190; p. 981.
- Flood-gate. C. B. Jones. No. 1,066,909; July 8; Gaz. vol. 192; p. 379.
- Floor and ceiling plate. C. S. Kuhnsman and F. J. Moyer. No. 1,054,568; Feb. 25; Gaz. vol. 187; p. 1043.
- Floor and other places, Securing or fixing machines and other objects to. A. Maurer. No. 1,077,200; Oct. 28; Gaz. vol. 195; p. 1007.
- Floor and roof construction. V. Font. No. 1,073,972; Sept. 23; Gaz. vol. 194; p. 885.
- Floor and wall construction. J. Meinken. No. 1,052,500; Feb. 11; Gaz. vol. 187; p. 257.
- Floor-clamp. O. Johnson. No. 1,049,725; Jan. 7; Gaz. vol. 186; p. 139.
- Floor-cleaner. P. W. Ziegler. No. 1,067,670; July 15; Gaz. vol. 192; p. 640.
- Floor construction. T. Karas. No. 1,055,329; Mar. 11; Gaz. vol. 188; p. 262.
- Floor construction. A. E. Lindau. No. 1,060,104; Apr. 29; Gaz. vol. 189; p. 1084.
- Floor construction. C. W. Young. No. 1,068,090; July 22; Gaz. vol. 192; p. 849.
- Floor construction. P. M. Stewart. No. 1,068,543; July 29; Gaz. vol. 192; p. 1043.
- Floor construction. J. Kahn. No. 1,073,906; Sept. 23; Gaz. vol. 194; p. 862.
- Floor construction. H. H. Vought, Jr. No. 1,074,760; Oct. 7; Gaz. vol. 195; p. 60.
- Floor construction. E. F. Crane. No. 1,077,394; Nov. 4; Gaz. vol. 196; p. 54.
- Floor, Ferroconcrete. R. and W. A. Thomson. No. 1,074,072; Sept. 23; Gaz. vol. 194; p. 918.
- Floor-furnace. J. A. Kloeb. No. 1,073,610; Sept. 23; Gaz. vol. 194; p. 759.
- Floor, Interlocking. A. Woloshin. No. 1,054,070; Feb. 25; Gaz. vol. 187; p. 873.
- Floor-jack. R. M. Huston. No. 1,060,843; May 6; Gaz. vol. 190; p. 96.
- Floor-mat. W. H. Hopkins and W. R. Wilson. No. 1,072,729; Sept. 9; Gaz. vol. 194; p. 391.
- Floor or ceiling plate. A. R. and F. N. Wells. No. 1,066,559; July 8; Gaz. vol. 192; p. 257.
- Floor-polisher. M. E. Goodhue. No. 1,075,208; Oct. 7; Gaz. vol. 195; p. 214.

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- Floor-scraper and like motor. E. W. Anderson. No. 1,060,575; May 6; Gaz. vol. 190; p. 4.
- Floor-smoothing composition. H. W. English. No. 1,077,131; Oct. 28; Gaz. vol. 195; p. 986.
- Floor structure. R. J. Dixon. No. 1,077,223; Oct. 28; Gaz. vol. 195; p. 1015.
- Floor-supporting structure of theaters and the like. F. Meister. No. 1,079,424; Nov. 25; Gaz. vol. 196; p. 845.
- Floor-surfacing machine. R. F. Uppercue. No. 1,051,467; Jan. 28; Gaz. vol. 186; p. 834.
- Floor-surfacing machine. H. J. Nelson, T. W. Black, and O. Zapfe. No. 1,069,803; Aug. 12; Gaz. vol. 193; p. 276.
- Floors, Sheet-metal form for. T. H. Kane. No. 1,065,449; June 24; Gaz. vol. 191; p. 879.
- Flooring. G. W. Schodde. No. 1,071,094; Aug. 26; Gaz. vol. 193; p. 788.
- Flooring. J. C. Dunton. No. 1,078,776; Nov. 18; Gaz. vol. 196; p. 594.
- Flooring, Machine for tonguing and grooving the ends of wood. E. F. Beugler. No. 1,082,791; Dec. 30; Gaz. vol. 197; p. 1113.
- Flour and bread, Manufacture of. C. W. Chitty and W. Jago. No. 1,063,414; June 3; Gaz. vol. 191; p. 82.
- Flour-bin hanger. W. W. Heisler. No. 1,060,087; Apr. 29; Gaz. vol. 189; p. 1079.
- Flour, Browning. J. Wallos. No. 1,079,676; Nov. 25; Gaz. vol. 196; p. 931.
- Flour-browning mechanism. J. Wallos. No. 1,064,263; June 10; Gaz. vol. 191; p. 409.
- Flour-dressing machine. J. G. L. Heidenreich. No. 1,053,811; Feb. 18; Gaz. vol. 187; p. 749.
- Flour, Improving the condition of. J. A. Wesener. No. 1,071,977; Sept. 2; Gaz. vol. 194; p. 105.
- Flour, Manufacture of purified banana. H. E. Plunkett. No. 1,053,955; Feb. 18; Gaz. vol. 187; p. 797.
- Flour-packing machines, Stamping device for. M. Cavanagh. No. 1,071,604; Aug. 26; Gaz. vol. 193; p. 957.
- Flour, Treating. C. Herendeen. No. 1,073,985; Sept. 23; Gaz. vol. 194; p. 890.
- Flour-treating apparatus. C. Herendeen. No. 1,073,986; Sept. 23; Gaz. vol. 194; p. 890.
- Flower-holder. C. C. Trepel. No. 1,057,017; Mar. 25; Gaz. vol. 188; p. 901.
- Flower-holder. W. S. Daniels. No. 1,081,097; Dec. 9; Gaz. vol. 197; p. 436.
- Flower-holder for the dress. A. Bippart. No. 1,072,903; Sept. 9; Gaz. vol. 194; p. 455.
- Flower-pot, Self-watering. W. A. Scribner. No. 1,063,395; June 3; Gaz. vol. 191; p. 77.
- Flower-stand. J. A. Smith. No. 1,073,874; Sept. 23; Gaz. vol. 194; p. 851.
- Flower-stemmer. W. B. Drake. No. 1,064,892; June 17; Gaz. vol. 191; p. 656.
- Flower-support. P. Hus. No. 1,055,914; Mar. 11; Gaz. vol. 188; p. 459.
- Flowers and foliage, Apparatus for the manufacture of artificial. E. Hendschuch. No. 1,049,857; Jan. 7; Gaz. vol. 186; p. 183.
- Flue-cleaner. G. C. French. No. 1,051,323; Jan. 21; Gaz. vol. 186; p. 753.
- Flue-cleaner. W. L. and J. O. Casaday. No. 1,060,163; Apr. 29; Gaz. vol. 189; p. 1105.
- Flue-cleaner. A. A. Hull. No. 1,067,117; July 8; Gaz. vol. 192; p. 449.
- Flue-cleaner. J. P. Cullon. No. 1,076,869; Oct. 28; Gaz. vol. 195; p. 898.
- Flue-cutter. W. E. Dunkerley and B. C. King. No. 1,068,991; July 29; Gaz. vol. 192; p. 1200.
- Flue-expander. J. B. Strauser. No. 1,072,056; Sept. 2; Gaz. vol. 194; p. 131.
- Flue, Heating. W. J. Kenely. No. 1,073,351; Sept. 16; Gaz. vol. 194; p. 650.
- Flue-scraper. W. A. Lorenz. No. 1,058,245; Apr. 8; Gaz. vol. 189; p. 336.
- Flue-section. W. D. Ives and J. Novak. No. 1,056,549; Mar. 18; Gaz. vol. 188; p. 711.
- Flue-tubes, Retarder for. H. Segelken. No. 1,056,373; Mar. 18; Gaz. vol. 188; p. 647.
- Flues, Head for ventilating or heating. J. Geddes. No. 1,073,978; Sept. 23; Gaz. vol. 194; p. 888.
- Flues, Mounting for ventilating. F. C. Kasch. No. 1,060,343; Apr. 29; Gaz. vol. 189; p. 1170.
- Fluid-actuated machines, Power-operated controlling mechanism for. R. Janney. No. 1,068,589; July 29; Gaz. vol. 192; p. 1059.
- Fluid-brake, Automatic. L. H. Albers. No. 1,053,263; Feb. 18; Gaz. vol. 187; p. 561.
- Fluid-circulating systems, Impelling device for. G. W. Kern. No. 1,082,594; Dec. 30; Gaz. vol. 197; p. 1043.
- Fluid-compressor. W. Prellwitz. No. 1,069,287; Aug. 5; Gaz. vol. 193; p. 70.
- Fluid-compressor. C. Wainwright. No. 1,081,175; Dec. 9; Gaz. vol. 197; p. 463.
- Fluid-compressor. C. Wainwright. No. 1,081,176; Dec. 9; Gaz. vol. 197; p. 463.
- Fluid compressor, Elastic. G. C. McFarlane. No. 1,065,825; June 24; Gaz. vol. 191; p. 1006.
- Fluid-compressor-governing device. C. Wainwright and F. J. Carney. No. 1,061,208; May 6; Gaz. vol. 190; p. 222.
- Fluid-compressor-governing device. C. Wainwright. No. 1,081,177; Dec. 9; Gaz. vol. 197; p. 463.
- Fluid-compressors, Blade for the wheels of rotary. A. Huguenin. No. 1,059,161; Apr. 15; Gaz. vol. 189; p. 690.
- Fluid connection, Adjustable. H. B. Keller. No. 1,053,609; Feb. 18; Gaz. vol. 187; p. 681.
- Fluid-delivery and pressure-governing device. L. A. Cooper. No. 1,050,763; Jan. 14; Gaz. vol. 186; p. 524.
- Fluid-dispensing apparatus, Sanitary. W. Stellard. No. 1,061,417; May 13; Gaz. vol. 190; p. 328.
- Fluid-distributing machine. C. P. Price. No. 1,083,030; Dec. 30; Gaz. vol. 197; p. 1194.
- Fluid-elevating apparatus. M. W. Breuer. No. 1,074,043; Sept. 23; Gaz. vol. 194; p. 908.
- Fluid-engine, Direct-acting. W. Anthony. No. 1,063,904; June 3; Gaz. vol. 191; p. 251.
- Fluid engine, Elastic. W. A. Godfrey. No. 1,081,443; Dec. 16; Gaz. vol. 197; p. 592.
- Fluid-expansion engine. J. I. Fortoul. No. 1,068,881; July 29; Gaz. vol. 192; p. 1163.
- Fluid-flow-controlling device. P. Mueller and A. C. Schuermann. No. 1,081,274; Dec. 9; Gaz. vol. 197; p. 497.
- Fluid-flow meter. H. H. Mapelsden. No. 1,076,437; Oct. 21; Gaz. vol. 195; p. 692.
- Fluid-flow meter. H. H. Mapelsden. No. 1,076,656; Oct. 21; Gaz. vol. 195; p. 770.
- Fluid-flow meter. J. Wilkinson. No. 1,080,396; Dec. 2; Gaz. vol. 197; p. 170.
- Fluid-heater, Electric. W. H. Fox. No. 1,067,647; July 15; Gaz. vol. 192; p. 667.
- Fluid heating or cooling apparatus. J. C. Spotts. No. 1,067,689; July 15; Gaz. vol. 192; p. 681.
- Fluid-indicator. J. B. Meriam. No. 1,055,063; Mar. 4; Gaz. vol. 188; p. 140.
- Fluid-indicator. E. E. Seeley. No. 1,061,874; May 13; Gaz. vol. 190; p. 481.
- Fluid-meter. J. W. Ledoux. No. 1,064,748; June 17; Gaz. vol. 191; p. 611.
- Fluid-meter, Proportional. W. H. Symons. No. 1,054,948; Mar. 4; Gaz. vol. 188; p. 99.
- Fluid-mixture regulator. G. Machlet, Jr. No. 1,078,790; Nov. 18; Gaz. vol. 196; p. 598.
- Fluid-motor. T. J. Gray. No. 1,065,604; June 24; Gaz. vol. 191; p. 932.
- Fluid-motor. W. E. and M. Marshall. No. 1,076,299; Oct. 21; Gaz. vol. 195; p. 643.
- Fluid-operated device, Automatic-return. G. F. Steedman. No. 1,079,613; Nov. 25; Gaz. vol. 196; p. 912.
- Fluid-operated engine. E. Rector. No. 1,060,125; Apr. 29; Gaz. vol. 189; p. 1092.
- Fluid-pressure-apparatus regulator. A. C. E. Rateau. No. 1,080,582; Dec. 9; Gaz. vol. 197; p. 262.
- Fluid-pressure brake. W. V. Turner. No. 1,063,751; June 3; Gaz. vol. 191; p. 201.
- Fluid-pressure brake. W. V. Turner. No. 1,069,358; Aug. 5; Gaz. vol. 193; p. 94.
- Fluid-pressure brake. J. W. Cloud. No. 1,076,664; Oct. 28; Gaz. vol. 195; p. 825.
- Fluid-pressure brake. W. V. Turner. No. 1,076,723; Oct. 28; Gaz. vol. 195; p. 846.
- Fluid-pressure brake. G. Oppermann. No. 1,081,325; Dec. 16; Gaz. vol. 197; p. 552.
- Fluid-pressure brake device. W. V. Turner. No. 1,078,018; Nov. 11; Gaz. vol. 196; p. 298.
- Fluid-pressure brake device. W. V. Turner. No. 1,082,296; Dec. 23; Gaz. vol. 197; p. 909.
- Fluid-pressure brake device for double-heading. W. V. Turner. No. 1,078,017; Nov. 11; Gaz. vol. 196; p. 298.
- Fluid-pressure device. R. Liebau. No. 1,071,446; Aug. 26; Gaz. vol. 193; p. 906.
- Fluid-pressure engine. A. E. L. Chorlton. No. 1,078,661; Nov. 18; Gaz. vol. 196; p. 550.
- Fluid-pressure engine. A. E. L. Chorlton. No. 1,078,830; Nov. 18; Gaz. vol. 196; p. 612.
- Fluid-pressure engine or pump. C. B. Redrup. No. 1,050,691; Jan. 14; Gaz. vol. 186; p. 500.
- Fluid-pressure gage and automatic regulator. A. C. Hulbert. No. 1,069,066; July 29; Gaz. vol. 192; p. 1225.
- Fluid-pressure-maintaining system. F. H. Dukesmith. No. 1,081,526; Dec. 16; Gaz. vol. 197; p. 620.
- Fluid-pressure motor. A. G. Elvin. No. 1,050,528; Jan. 14; Gaz. vol. 186; p. 448.
- Fluid-pressure motor. C. A. Dawley. No. 1,054,754; Mar. 4; Gaz. vol. 188; p. 34.
- Fluid-pressure motor. A. de Geofroy. No. 1,057,233; Mar. 25; Gaz. vol. 188; p. 976.
- Fluid-pressure motor. F. Hodgkinson. No. 1,062,098; May 20; Gaz. vol. 190; p. 599.
- Fluid-pressure motor. J. Fournia. No. 1,062,904; May 27; Gaz. vol. 190; p. 909.
- Fluid-pressure motor. J. Fournia. No. 1,066,483; July 8; Gaz. vol. 192; p. 230.

Alphabetical list of inventions—Continued.

- Fluid-pressure motor. J. E. Ebersole. No. 1,072,104; Sept. 2; Gaz. vol. 194; p. 148.
- Fluid-pressure motor, Reciprocating. P. T. Coffield. No. 1,049,456; Jan. 7; Gaz. vol. 186; p. 47.
- Fluid-pressure motor, Rotary. W. F. Sullivan and A. M. Wasbauer. No. 1,077,568; Nov. 4; Gaz. vol. 196; p. 114.
- Fluid-pressure-operated tool. W. Prellwitz. No. 1,069,289; Aug. 5; Gaz. vol. 193; p. 70.
- Fluid-pressure reducer or regulator. H. Mueller. No. 1,050,036; Jan. 7; Gaz. vol. 186; p. 243.
- Fluid-pressure-regulating gage. G. L. Kennedy. No. 1,079,600; Nov. 25; Gaz. vol. 196; p. 907.
- Fluid-pressure regulator. R. N. Baylis. No. 1,062,138; May 20; Gaz. vol. 190; p. 613.
- Fluid-pressure switch. J. A. Schadel. No. 1,073,175; Sept. 16; Gaz. vol. 194; p. 587.
- Fluid-pressure system and automatic governor therefor. F. S. Vaughn. No. 1,050,876; Jan. 21; Gaz. vol. 186; p. 600.
- Fluid-propelled machine. J. A. H. O'Reilly. No. 1,053,637; Feb. 18; Gaz. vol. 187; p. 690.
- Fluid propulsion. N. Tesla. No. 1,061,142; May 6; Gaz. vol. 190; p. 200.
- Fluid-sampling device. C. A. Brown. No. 1,056,254; Mar. 18; Gaz. vol. 188; p. 610.
- Fluid-system protective device. R. A. Anderson. No. 1,066,973; July 8; Gaz. vol. 192; p. 400.
- Fluid-translating device. E. Seaver, Jr. No. 1,063,294; June 3; Gaz. vol. 191; p. 43.
- Fluids, Apparatus for propelling. I. H. Spencer. No. 1,061,205; May 6; Gaz. vol. 190; p. 221.
- Fluids, Automatic storage for compressed. E. P. Noyes. No. 1,058,328; Apr. 8; Gaz. vol. 189; p. 366.
- Fluids in a closed chamber, Apparatus for determining the velocity and direction of flow of. G. L. Fowler. No. 1,057,631; Apr. 1; Gaz. vol. 189; p. 79.
- Fluids, Means for heating or cooling. C. A. Parsons, S. S. Cook, and L. M. Douglas. No. 1,058,896; Apr. 15; Gaz. vol. 189; p. 599.
- Fluids, Method of and apparatus for forcing or compressing. A. Barbezat. No. 1,063,636; June 3; Gaz. vol. 191; p. 161.
- Fluids under pressure, System for storing. W. B. Lakey and G. Staunton. No. 1,070,491; Aug. 19; Gaz. vol. 193; p. 554.
- Flume. G. M. Gillette. No. 1,049,698; Jan. 7; Gaz. vol. 186; p. 130.
- Flume. J. R. Rankin. No. 1,055,795; Mar. 11; Gaz. vol. 188; p. 420.
- Flume. J. R. Rankin. No. 1,056,831; Mar. 25; Gaz. vol. 188; p. 836.
- Flume. W. L. Swick. No. 1,061,424; May 13; Gaz. vol. 190; p. 330.
- Flume. R. J. Johnson. No. 1,073,857; Sept. 23; Gaz. vol. 194; p. 845.
- Flume. P. T. Snyder. No. 1,082,564; Dec. 30; Gaz. vol. 197; p. 1032.
- Flume construction. C. V. Craig. No. 1,078,835; Nov. 18; Gaz. vol. 196; p. 614.
- Flume-gate. J. E. Schneider. No. 1,062,364; May 20; Gaz. vol. 190; p. 689.
- Flume-gate. P. L. Hedrick. No. 1,062,778; May 27; Gaz. vol. 190; p. 866.
- Flume-gate. W. P. Harlan. No. 1,063,438; June 3; Gaz. vol. 191; p. 90.
- Flume-gate. M. B. and M. Andersen. No. 1,065,494; June 24; Gaz. vol. 191; p. 895.
- Flume-gate. L. Ritzman. No. 1,065,839; June 24; Gaz. vol. 191; p. 1011.
- Flume-joint. A. K. Mitchell. No. 1,058,620; Apr. 8; Gaz. vol. 189; p. 464.
- Flume or conduit. W. J. Smith. No. 1,055,426; Mar. 11; Gaz. vol. 188; p. 297.
- Flume, Water-. F. M. Doak. No. 1,052,901; Feb. 11; Gaz. vol. 187; p. 393.
- Fluorescent substances, Manufacture of. G. Rupprecht. No. 1,073,932; Sept. 23; Gaz. vol. 194; p. 872.
- Flush receptacle. W. J. Newton. No. 1,060,011; Apr. 29; Gaz. vol. 189; p. 1055.
- Flush switch. J. J. Wesley. No. 1,061,647; May 13; Gaz. vol. 190; p. 409.
- Flush-tank. J. Weis. No. 1,070,213; Aug. 12; Gaz. vol. 193; p. 416.
- Flush-tank. H. D. Moise. No. 1,078,796; Nov. 18; Gaz. vol. 196; p. 600.
- Flush-tank, Automatic. A. K. Isham. No. 1,058,978; Apr. 15; Gaz. vol. 189; p. 628.
- Flush-tank device. W. F. Drew. No. 1,069,658; Aug. 5; Gaz. vol. 193; p. 195.
- Flush-tank for water-closets. W. F. Lawrenz. No. 1,053,303; Feb. 18; Gaz. vol. 187; p. 574.
- Flush-tank for water-closets. D. Cabral. No. 1,077,329; Nov. 4; Gaz. vol. 196; p. 31.
- Flush-tank-operating device. B. O. Tilden. No. 1,061,704; May 13; Gaz. vol. 190; p. 429.
- Flush-tank-operating device. B. O. Tilden. No. 1,076,925; Oct. 28; Gaz. vol. 195; p. 918.
- Flush-tank-operating mechanism. B. O. Tilden. No. 1,061,705; May 13; Gaz. vol. 190; p. 430.
- Flush-tanks, Apparatus for regulating the flow of water into sewer. E. G. Wagner. No. 1,055,841; Mar. 11; Gaz. vol. 188; p. 436.
- Flush-tanks, Stop or buffer for. S. S. Crocker. No. 1,074,411; Sept. 30; Gaz. vol. 194; p. 1060.
- Flushing apparatus. E. Kersey. No. 1,052,593; Feb. 11; Gaz. vol. 187; p. 287.
- Flushing apparatus. N. J. Gondolf. No. 1,059,146; Apr. 15; Gaz. vol. 189; p. 686.
- Flushing apparatus. E. Kersey. No. 1,061,548; May 13; Gaz. vol. 190; p. 375.
- Flushing apparatus. W. Guyton and R. Stinson. No. 1,065,899; June 24; Gaz. vol. 191; p. 1031.
- Flushing apparatus. C. A. Leming. No. 1,066,125; July 1; Gaz. vol. 192; p. 78.
- Flushing apparatus. T. F. Payne. No. 1,070,723; Aug. 19; Gaz. vol. 193; p. 631.
- Flushing apparatus. H. D. Moise. No. 1,078,797; Nov. 18; Gaz. vol. 196; p. 601.
- Flushing apparatus, Siphon. J. J. Meyer. No. 1,049,895; Jan. 7; Gaz. vol. 186; p. 195.
- Flushing apparatus, Siphon. E. H. Gove. No. 1,072,711; Sept. 9; Gaz. vol. 194; p. 385.
- Flushing device. C. Hopewell. No. 1,079,555; Nov. 25; Gaz. vol. 196; p. 890.
- Flushing device. N. J. Gondolf. No. 1,081,110; Dec. 9; Gaz. vol. 197; p. 440.
- Flushing-device-operating mechanism. O. and G. E. Kreter. No. 1,051,123; Jan. 21; Gaz. vol. 186; p. 687.
- Flushing device, Water-closet-. P. Haas. No. 1,083,088; Dec. 30; Gaz. vol. 197; p. 1214.
- Flushing mechanism. J. A. Vogel. No. 1,083,161; Dec. 30; Gaz. vol. 197; p. 1234.
- Flushing mechanism, Closet-. W. L. Heap. No. 1,063,445; June 3; Gaz. vol. 191; p. 92.
- Flushing mechanism, Closet-. A. M. Houser. No. 1,081,502; Dec. 16; Gaz. vol. 197; p. 612.
- Flushing system. W. A. Fraser. No. 1,062,148; May 20; Gaz. vol. 190; p. 617.
- Flushing system for water-closets. W. A. Fraser. No. 1,057,632; Apr. 1; Gaz. vol. 189; p. 80.
- Flushing-tank. R. Sghelli. No. 1,052,384; Feb. 4; Gaz. vol. 187; p. 184.
- Flushing-tank. C. H. Zwermann. No. 1,067,893; July 22; Gaz. vol. 192; p. 782.
- Flushing-tank. E. F. Stary. No. 1,074,220; Sept. 30; Gaz. vol. 194; p. 996.
- Flushing-tank. G. H. Tarleton. No. 1,079,615; Nov. 25; Gaz. vol. 196; p. 912.
- Flushing-tank, Sanitary. J. L. Gish. No. 1,074,711; Oct. 7; Gaz. vol. 195; p. 44.
- Flux to articles to be soldered, Means for applying. M. Karp. No. 1,058,439; Apr. 8; Gaz. vol. 189; p. 405.
- Fodder and making same. V. Christensen. No. 1,073,591; Sept. 23; Gaz. vol. 194; p. 753.
- Fodder-binding device. C. P. Baker. No. 1,076,403; Oct. 21; Gaz. vol. 195; p. 680.
- Fodder-cutter. J. Dick. No. 1,070,019; Aug. 12; Gaz. vol. 193; p. 350.
- Fodder-cutter. J. Dick. No. 1,072,924; Sept. 9; Gaz. vol. 194; p. 462.
- Foils, Making composite. A. G. Meier. No. 1,057,571; Apr. 1; Gaz. vol. 189; p. 60.
- Foldable blank box. A. L. Peck. No. 1,049,910; Jan. 7; Gaz. vol. 186; p. 201.
- Foldable box. A. L. Peck. No. 1,072,643; Sept. 9; Gaz. vol. 194; p. 361.
- Foldable table structure. V. J. Griesheimer. No. 1,080,437; Dec. 2; Gaz. vol. 197; p. 183.
- Folder for containing letters or other papers. E. A. Klaber. No. 1,057,743; Apr. 1; Gaz. vol. 189; p. 118.
- Folder or container for goods. W. H. Hart, Jr. No. 1,073,117; Sept. 16; Gaz. vol. 194; p. 566.
- Folders, presses, &c., Machine for feeding sheets to. C. A. Juengst. No. 1,055,639; Mar. 11; Gaz. vol. 188; p. 366.
- Folding and adjustable table. I. D. Birdsall. No. 1,063,642; June 3; Gaz. vol. 191; p. 164.
- Folding and convertible table. J. S. Simonton. No. 1,069,483; Aug. 5; Gaz. vol. 193; p. 139.
- Folding and guiding device. J. McNelly. No. 1,082,351; Dec. 23; Gaz. vol. 197; p. 928.
- Folding and stitching machine. D. J. Scott. No. 1,064,387; June 10; Gaz. vol. 191; p. 451.
- Folding box. G. C. Welter. No. 1,053,258; Feb. 18; Gaz. vol. 187; p. 560.
- Folding box. H. J. Williams. No. 1,054,378; Feb. 25; Gaz. vol. 187; p. 979.
- Folding box. W. F. Ware. No. 1,056,474; Mar. 18; Gaz. vol. 188; p. 684.
- Folding box. C. A. Chase. No. 1,058,408; Apr. 8; Gaz. vol. 189; p. 394.
- Folding box. G. E. Woods. No. 1,069,052; July 29; Gaz. vol. 192; p. 1220.
- Folding box. P. E. Brame. No. 1,073,207; Sept. 16; Gaz. vol. 194; p. 598.
- Folding box. C. H. Seegmiller. No. 1,079,583; Nov. 25; Gaz. vol. 196; p. 901.
- Folding box. J. A. Wagnitz. No. 1,080,610; Dec. 9; Gaz. vol. 197; p. 272.

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- Folding box and blank therefor. J. B. Miller. No. 1,069,021; July 29; Gaz. vol. 192; p. 1210.
- Folding box and crate. C. L. Lapish. No. 1,082,274; Dec. 23; Gaz. vol. 197; p. 901.
- Folding box and the like. Flat. G. Maier. No. 1,083,114; Dec. 30; Gaz. vol. 197; p. 1221.
- Folding bracket. F. R. Cook. No. 1,050,809; Jan. 21; Gaz. vol. 186; p. 575.
- Folding bracket. C. H. Richardson and F. F. Metzger. No. 1,054,242; Feb. 25; Gaz. vol. 187; p. 933.
- Folding case. E. B. Story. No. 1,076,076; Oct. 21; Gaz. vol. 195; p. 566.
- Folding chair. R. A. Coe. No. 1,054,906; Mar. 4; Gaz. vol. 188; p. 86.
- Folding chair. W. H. Parry. No. 1,056,210; Mar. 18; Gaz. vol. 188; p. 594.
- Folding chair. C. F. Davis. No. 1,061,050; May 6; Gaz. vol. 190; p. 171.
- Folding chair. F. Lee. No. 1,071,246; Aug. 26; Gaz. vol. 193; p. 839.
- Folding cup. E. W. Frenz. No. 1,056,409; Mar. 18; Gaz. vol. 188; p. 659.
- Folding cup, Sanitary. J. V. Shaw. No. 1,079,067; Nov. 18; Gaz. vol. 196; p. 694.
- Folding frame. L. I. Beckwith. No. 1,069,102; Aug. 5; Gaz. vol. 193; p. 5.
- Folding handle for portable tanks, &c. A. A. Bowser. No. 1,049,331; Jan. 7; Gaz. vol. 186; p. 4.
- Folding-machine. G. J. Dormandy. No. 1,054,094; Feb. 25; Gaz. vol. 187; p. 881.
- Folding-machine. R. Burn. No. 1,056,320; Mar. 18; Gaz. vol. 188; p. 630.
- Folding-machine. P. Bellan. No. 1,061,972; May 20; Gaz. vol. 190; p. 556.
- Folding-machine. H. K. King. No. 1,071,755; Sept. 2; Gaz. vol. 194; p. 30.
- Folding-machine frame. C. A. Sigafos. No. 1,056,223; Mar. 18; Gaz. vol. 188; p. 599.
- Folding-machine packing-box. C. O. L. Cardell. No. 1,053,706; Feb. 18; Gaz. vol. 187; p. 715.
- Folding-machine, Pneumatic. E. H. Brown. No. 1,053,477; Feb. 18; Gaz. vol. 187; p. 636.
- Folding-machine sheet-registering mechanism. C. O. L. Cardell. No. 1,053,705; Feb. 18; Gaz. vol. 187; p. 715.
- Folding-machines, Perforating and trimming mechanism for. C. O. L. Cardell. No. 1,051,803; Jan. 28; Gaz. vol. 186; p. 946.
- Folding or collapsible box. E. H. Stow. No. 1,071,653; Aug. 26; Gaz. vol. 193; p. 974.
- Folding seat. A. E. Wicklund and J. B. Grobey. No. 1,052,299; Feb. 4; Gaz. vol. 187; p. 156.
- Folding seat. E. G. Pandow. No. 1,060,358; Apr. 29; Gaz. vol. 189; p. 1175.
- Folding stand. J. O. Schmidt. No. 1,062,190; May 20; Gaz. vol. 190; p. 630.
- Folding table. C. W. Dunkelburger. No. 1,058,417; Apr. 8; Gaz. vol. 189; p. 397.
- Folding table. G. F. Sornberger. No. 1,062,996; May 27; Gaz. vol. 190; p. 939.
- Folding table. J. H. D. Everett. No. 1,063,521; June 3; Gaz. vol. 191; p. 119.
- Folding table. J. F. Richardson. No. 1,064,254; June 10; Gaz. vol. 191; p. 406.
- Folding table. J. W. Campbell. No. 1,064,286; June 10; Gaz. vol. 191; p. 417.
- Folding table. H. A. Stone. No. 1,065,476; June 24; Gaz. vol. 191; p. 888.
- Folding table. C. Kjelsøe. No. 1,067,223; July 8; Gaz. vol. 192; p. 486.
- Folding table. J. C. Osborne. No. 1,068,817; July 29; Gaz. vol. 192; p. 1141.
- Folding table. C. C. Wilson. No. 1,072,550; Sept. 9; Gaz. vol. 194; p. 330.
- Follower. J. A. Fraser and C. H. Martin. No. 1,068,493; July 29; Gaz. vol. 192; p. 1026.
- Font-distinguishing mechanism. D. Petri-Palmedo. No. 1,066,942; July 8; Gaz. vol. 192; p. 391.
- Food and dish warmer. J. W. Stagner. No. 1,067,152; July 8; Gaz. vol. 192; p. 461.
- Food and making same. Stock. G. E. Dyck. No. 1,071,218; Aug. 26; Gaz. vol. 193; p. 831.
- Food and producing the same. Powdered molasses. L. Myers and A. A. Carrick. No. 1,065,464; June 24; Gaz. vol. 191; p. 884.
- Food articles, Means for protecting. A. Yolin and R. Texin. No. 1,081,711; Dec. 16; Gaz. vol. 197; p. 678.
- Food-chopper. M. A. Rollman. No. 1,068,821; July 29; Gaz. vol. 192; p. 1142.
- Food compound. H. C. Stiefel. No. 1,056,603; Mar. 18; Gaz. vol. 188; p. 730.
- Food compound. E. W. Lasby. No. 1,060,912; May 6; Gaz. vol. 190; p. 121.
- Food compound. A. Hamilton. No. 1,076,825; Oct. 28; Gaz. vol. 195; p. 883.
- Food compound for promoting the rapid growth of poultry. F. R. M. Hitchcock. No. 1,066,615; July 8; Gaz. vol. 192; p. 278.
- Food from grain and manufacturing same. H. D. Perky. No. 1,060,702; May 6; Gaz. vol. 190; p. 49.
- Food, Manufacture of parched-rice breakfast. J. F. Newman. No. 1,056,931; Mar. 25; Gaz. vol. 188; p. 872.
- Food, Manufacturing cereal. H. D. Perky. No. 1,064,164; June 10; Gaz. vol. 191; p. 375.
- Food powder. V. Greco. No. 1,071,312; Aug. 26; Gaz. vol. 193; p. 862.
- Food, Preparing a pork and cereal. W. Lamb. No. 1,063,358; June 3; Gaz. vol. 191; p. 64.
- Food product. F. A. Johnson. No. 1,054,422; Feb. 25; Gaz. vol. 187; p. 995.
- Food product. M. Wolf and H. Cowen. No. 1,074,483; Sept. 30; Gaz. vol. 194; p. 1083.
- Food product. H. M. Isaacs. No. 1,080,971; Dec. 9; Gaz. vol. 197; p. 398.
- Food product. R. Douglas. No. 1,082,682; Dec. 30; Gaz. vol. 197; p. 1075.
- Food product, Concentrated. L. A. Thompson. No. 1,063,302; June 3; Gaz. vol. 191; p. 45.
- Food product consisting of a jelly base. P. R. Boyles. No. 1,067,714; July 15; Gaz. vol. 192; p. 689.
- Food product, Hydrogenated fatty. C. Ellis. No. 1,067,978; July 22; Gaz. vol. 192; p. 811.
- Food product, Making a. F. Prevost. No. 1,076,227; Oct. 21; Gaz. vol. 195; p. 618.
- Food products, Preparing. F. Prevost. No. 1,076,147; Oct. 21; Gaz. vol. 195; p. 591.
- Food products, Process of and apparatus for manufacturing dried. M. Vouga. No. 1,054,650; Feb. 25; Gaz. vol. 187; p. 1071.
- Food protecting and feeding device for chickens, Automatic. C. E. Stacy. No. 1,053,447; Feb. 18; Gaz. vol. 187; p. 625.
- Food-treating machine. C. H. J. Dilg. No. 1,071,300; Aug. 26; Gaz. vol. 193; p. 857.
- Foot and hand rest for toilet-seats. W. B. Simonson. No. 1,067,767; July 15; Gaz. vol. 192; p. 707.
- Foot attachment. W. C. McKinney. No. 1,078,104; Nov. 11; Gaz. vol. 196; p. 328.
- Foot bench-shears. P. L. Howlett. No. 1,064,910; June 17; Gaz. vol. 191; p. 661.
- Foot-cap, Continuous. W. L. Bliss. No. 1,071,869; Sept. 2; Gaz. vol. 194; p. 69.
- Foot-guard. P. W. Mosher. No. 1,050,069; Jan. 7; Gaz. vol. 186; p. 255.
- Foot-guard. L. F. Learman and E. M. Coon. No. 1,051,423; Jan. 28; Gaz. vol. 186; p. 820.
- Foot-power motor. W. E. Werd and F. Stevens. No. 1,059,244; Apr. 15; Gaz. vol. 189; p. 718.
- Foot-rest. S. T. Whitaker. No. 1,051,656; Jan. 28; Gaz. vol. 186; p. 899.
- Foot-rest. T. F. Vickery. No. 1,060,385; Apr. 29; Gaz. vol. 189; p. 1184.
- Foot-rest. N. H. Hassel. No. 1,067,733; July 15; Gaz. vol. 192; p. 695.
- Foot-rest and shoe-clamp. C. E. Lang. No. 1,073,807; Sept. 23; Gaz. vol. 194; p. 829.
- Foot-warmer. I. Smith. No. 1,060,642; May 6; Gaz. vol. 190; p. 26.
- Foot-warmer. J. Philipcik, Jr. No. 1,062,925; May 27; Gaz. vol. 190; p. 916.
- Foot-warmer and muffler, Combined. M. H. Garrison. No. 1,049,695; Jan. 7; Gaz. vol. 186; p. 129.
- Footstool. A. P. Phillips. No. 1,052,750; Feb. 11; Gaz. vol. 187; p. 339.
- Footwear. H. P. Cole. No. 1,054,278; Feb. 25; Gaz. vol. 187; p. 944.
- Footwear. W. C. Shields. No. 1,068,087; July 22; Gaz. vol. 192; p. 848.
- Footwear and insole therefor. F. M. Blanchard and B. F. Chamberlin, Jr. No. 1,068,382; July 22; Gaz. vol. 192; p. 950.
- Footwear, Article of. J. H. Pearce. No. 1,067,754; July 15; Gaz. vol. 192; p. 702.
- Footwear, Tread for. J. McCanna. No. 1,058,617; Apr. 8; Gaz. vol. 189; p. 463.
- Force-feed lubricator. J. G. Hall. No. 1,063,197; June 3; Gaz. vol. 191; p. 10.
- Force-feed lubricator. J. F. McCanna. No. 1,063,274; June 3; Gaz. vol. 191; p. 26.
- Force-feed lubricator. C. W. Manzel. No. 1,069,450; Aug. 5; Gaz. vol. 193; p. 127.
- Force-feed lubricator. A. Kirkham. No. 1,073,142; Sept. 16; Gaz. vol. 194; p. 574.
- Force-feed lubricator. W. A. Weil. No. 1,083,166; Dec. 30; Gaz. vol. 197; p. 1235.
- Forceps, Adjustable-beak. J. Aderer. No. 1,059,696; Apr. 22; Gaz. vol. 189; p. 908.
- Forceps, Animal. G. Lecuyer. No. 1,077,086; Oct. 28; Gaz. vol. 195; p. 973.
- Forceps, Pig. H. M. Boston. No. 1,071,137; Aug. 26; Gaz. vol. 193; p. 803.
- Forehead-protector. C. M. Morris. No. 1,072,486; Sept. 9; Gaz. vol. 194; p. 306.
- Forge. D. Mokry. No. 1,069,802; Aug. 12; Gaz. vol. 193; p. 275.
- Forge and press, Combination. J. Kilduff. No. 1,075,651; Oct. 14; Gaz. vol. 195; p. 394.
- Forge for drill-steel, Oil. W. W. Case, Jr. No. 1,077,803; Nov. 4; Gaz. vol. 196; p. 192.
- Forge, Oil-burning. J. G. Leyner. No. 1,078,154; Nov. 11; Gaz. vol. 196; p. 345.

- Forge, Tire-heating. N. L. Jones. No. 1,067,817; July 22; Gaz. vol. 192; p. 757.
- Forging. A. F. Rockwell. No. 1,082,910; Dec. 30; Gaz. vol. 197; p. 1155.
- Forging-machines, Turning device for. S. B. Heppenstall. No. 1,074,863; Oct. 7; Gaz. vol. 195; p. 93.
- Forging mechanism. J. R. Blakeslee. No. 1,053,471; Feb. 18; Gaz. vol. 187; p. 633.
- Forging or matricing circular pieces of work with a profiled periphery, Manufacturing by. J. Girtot. No. 1,068,236; July 22; Gaz. vol. 192; p. 900.
- Forging-press. W. Witkowski. No. 1,055,962; Mar. 11; Gaz. vol. 188; p. 475.
- Forging-press. H. Haiss. No. 1,061,839; May 13; Gaz. vol. 190; p. 469.
- Forging-press. M. C. White and O. C. Duryea. No. 1,063,632; June 3; Gaz. vol. 191; p. 160.
- Forging-press or withdrawing them therefrom, Device for introducing swages into a. F. Pacher. No. 1,057,384; Mar. 25; Gaz. vol. 188; p. 1024.
- Forging the shank ends of drill-steel, Pin-pulling machine for use in. J. Q. Grant. No. 1,065,125; June 17; Gaz. vol. 191; p. 732.
- Fork: *See* Cycle-fork; Cycle spring-fork; Motor-cycle spring front fork; Reversible fork; Vegetable-fork; Vehicle steering-fork.
- Fork with movable supplementary prong. W. Schloemilch. No. 1,062,189; May 20; Gaz. vol. 190; p. 630.
- Form, Adjustable garment-. I. Levin. No. 1,060,270; Apr. 29; Gaz. vol. 189; p. 1143.
- Form, Adjustable garment-. J. Satin, B. Mosesson, and M. Garfinkel. No. 1,081,313; Dec. 16; Gaz. vol. 197; p. 547.
- Form, Dress-. M. Greenwald. No. 1,058,174; Apr. 8; Gaz. vol. 189; p. 312.
- Form, Dress-. F. B. Granger. No. 1,065,443; June 24; Gaz. vol. 191; p. 877.
- Form, Dress-. V. E. D'Urso. No. 1,069,055; July 29; Gaz. vol. 192; p. 1221.
- Form, Dress-. C. R. De Bevoise. No. 1,072,923; Sept. 9; Gaz. vol. 194; p. 462.
- Form, Dress-. C. R. De Bevoise. No. 1,081,814; Dec. 16; Gaz. vol. 197; p. 715.
- Form for tailors' use, Pressing-. L. Solomon. No. 1,059,778; Apr. 22; Gaz. vol. 189; p. 935.
- Form, Garment-. O. W. Nichols. No. 1,052,615; Feb. 11; Gaz. vol. 187; p. 296.
- Form, Garment-. I. Levin. No. 1,065,377; June 24; Gaz. vol. 191; p. 855.
- Form, Garment-. F. Contenti. No. 1,073,960; Sept. 23; Gaz. vol. 194; p. 881.
- Form, Garment-. R. P. Brown. No. 1,082,582; Dec. 30; Gaz. vol. 197; p. 1040.
- Form, Necktie-. C. E. Brown. No. 1,058,943; Apr. 15; Gaz. vol. 189; p. 615.
- Form or stand, Dress-. F. A. Monahan. No. 1,073,157; Sept. 16; Gaz. vol. 194; p. 580.
- Form support, Dress-. W. E. Hume. No. 1,080,911; Dec. 9; Gaz. vol. 197; p. 377.
- Form, Waist-. H. Swallie. No. 1,066,551; July 8; Gaz. vol. 192; p. 255.
- Forming-block, Sectional. L. Stevens. No. 1,057,185; Mar. 25; Gaz. vol. 188; p. 960.
- Forming-machine. B. M. W. Hanson. No. 1,063,160; May 27; Gaz. vol. 190; p. 993.
- Forming-machine. J. D. Mattison. No. 1,080,359; Dec. 2; Gaz. vol. 197; p. 156.
- Forming-machine. J. D. Mattison. No. 1,080,360; Dec. 2; Gaz. vol. 197; p. 156.
- Formaldehyde, Manufacture of. M. J. Kusnezow. No. 1,067,665; July 15; Gaz. vol. 192; p. 673.
- Formaldehyde with sugars, Producing compounds of. R. Lauch and F. Quade. No. 1,055,405; Mar. 11; Gaz. vol. 188; p. 289.
- Formaldehyde with sugars, Producing compounds of. F. Quade. No. 1,062,501; May 20; Gaz. vol. 190; p. 734.
- Formates of chromium, aluminium, and iron, Preparation of. A. Wolff. No. 1,054,735; Mar. 4; Gaz. vol. 188; p. 28.
- Formylcelluloses, Production of. E. Bronnert. No. 1,061,977; May 20; Gaz. vol. 190; p. 558.
- Fortune telling and recording machine. F. H. Smith. No. 1,054,994; Mar. 4; Gaz. vol. 188; p. 116.
- Foundation and structure, Subaqueous. W. Butler. No. 1,076,743; Oct. 28; Gaz. vol. 195; p. 854.
- Foundations, Extending. J. B. Goldsborough. No. 1,060,077; Apr. 29; Gaz. vol. 189; p. 1076.
- Foundry apparatus. F. W. Lewis. No. 1,069,795; Aug. 12; Gaz. vol. 193; p. 273.
- Foundry plant, Steel-. C. W. A. Koelkebeck. No. 1,075,656; Oct. 14; Gaz. vol. 195; p. 396.
- Foundry-riddle. E. W. Beach. No. 1,078,532; Nov. 11; Gaz. vol. 196; p. 475.
- Foundry-sand, Treatment of. A. Poulson. No. 1,052,514; Feb. 11; Gaz. vol. 187; p. 262.
- Fountain: *See* Bubble-fountain; Drinking-fountain; Illuminated fountain; Ink-fountain; Poultry-fountain; Printing-press ink-fountain; Printing-press inking-fountain; Soda-fountain; Soda-water fountain.
- Fountain-comb. L. H. Dancy. No. 1,058,560; Apr. 8; Gaz. vol. 189; p. 444.
- Fountain-comb. W. Lewinski. No. 1,067,930; July 22; Gaz. vol. 192; p. 794.
- Fountain discharge-head. T. E. Bart. No. 1,066,243; July 1; Gaz. vol. 192; p. 122.
- Fountain for decorative purposes. N. P. Woodward and L. Burn. No. 1,066,565; July 8; Gaz. vol. 192; p. 259.
- Fountain heater, Drinking-. H. L. and E. M. S. Fisher. No. 1,075,344; Oct. 14; Gaz. vol. 195; p. 287.
- Four-cycle engine. N. B. Wales. No. 1,054,157; Feb. 25; Gaz. vol. 187; p. 903.
- Four-cycle engine, Rotary multiple-cylinder. W. E. Looney. No. 1,063,456; June 3; Gaz. vol. 191; p. 96.
- Four-phase, single-piston, valveless motor. C. Henriod. (Reissue.) No. 13,607; Aug. 19; Gaz. vol. 193; p. 726.
- Four-wheel drive. S. E. Bruner and H. F. Hardin. No. 1,077,794; Nov. 4; Gaz. vol. 196; p. 194.
- Fowl-decapitating device. H. T. Swanton. No. 1,081,411; Dec. 16; Gaz. vol. 197; p. 581.
- Fowl-decapitator. U. S. Michael. No. 1,081,851; Dec. 16; Gaz. vol. 197; p. 728.
- Frame: *See* Automobile-frame; Bag-frame; Basket-frame; Bed-spring frame; Bed-spring-supporting frame; Bicycle-frame; Bicycle extension-frame; Binder-frame; Cane-frame; Canopy-frame; Car-door frame; Car end frame; Car-hood frame; Car side frame; Car side-door frame; Car-truck side frame; Card-frame; Cast end frame; Chair-seat frame; Cultivator-frame; Cycle-frame; Cycle cushion-frame; Die-frame; Display-frame; Door-frame; Door or window frame; Drawing-frame; Electric-machine frame; Embroidery-frame; Engine-supporting frame; Folding frame; Folding-machine frame; Furnace-door frame; Garment-frame; Hacksaw-frame; Hat-frame; Locomotive-frame; Locomotive-tender frame; Loom heddle-frame; Mattress-frame; Mirror and picture frame; Pedestal side frame; Photographic-printing frame; Photographic retouching-frame; Picture-frame; Picture or sign frame; Planter-frame; Plow-frame; Pool-ball frame; Print-frame; Printing-frame; Quilting-frame; Saw-frame; Screen-frame; Screen-supporting frame; Shelf-frame; Sign-supporting frame; Spinning-frame; Stall-frame; Tender-frame; Tent-frame; Tent-opening frame; Traction-frame; Trial-frame; Truck-frame; Truck side frame; Vehicle-frame; Ventilator-frame; Vestibule end frame; Weaving-frame; Window-frame; Window or screen frame.
- Frame-adjusting mechanism. H. W. Hitzemann. No. 1,070,129; Aug. 12; Gaz. vol. 193; p. 387.
- Frame for registers, heaters, ventilators, or other suitable devices. R. Buehler. No. 1,051,078; Jan. 21; Gaz. vol. 186; p. 671.
- Frame mechanism, Casing for roving-. E. E. Blake and W. H. Goldsmith, Jr. No. 1,080,042; Dec. 2; Gaz. vol. 197; p. 43.
- Frame or easel. I. W. England. No. 1,077,130; Oct. 28; Gaz. vol. 195; p. 985.
- Frame or easel. M. Karp. No. 1,082,271; Dec. 23; Gaz. vol. 197; p. 900.
- Frames, Adjustable device for uniting. L. E. Gibson. No. 1,077,908; Nov. 4; Gaz. vol. 196; p. 228.
- Framing-tool or protractor. D. C. McLeod. No. 1,050,969; Jan. 21; Gaz. vol. 186; p. 633.
- Frameless gate. M. A. Stickley. No. 1,080,497; Dec. 2; Gaz. vol. 197; p. 202.
- Fraud-preventer. C. H. Simerson. No. 1,081,781; Dec. 16; Gaz. vol. 197; p. 703.
- Freezer-holder. J. H. Crowell. No. 1,072,434; Sept. 9; Gaz. vol. 194; p. 289.
- Freezing in tanks, Device for preventing liquid from. W. O. Chase. No. 1,061,525; May 13; Gaz. vol. 190; p. 366.
- Freezing of water-pipes, Device for preventing the. C. L. Orser. No. 1,054,024; Feb. 25; Gaz. vol. 187; p. 858.
- Freight-handling apparatus. H. Sawyer. No. 1,079,519; Nov. 25; Gaz. vol. 196; p. 877.
- Freight-handling device. E. W. Taylor. No. 1,056,231; Mar. 18; Gaz. vol. 188; p. 601.
- Frequency-indicator. W. H. Pratt. No. 1,076,448; Oct. 21; Gaz. vol. 195; p. 696.
- Friction-brake. R. E. Rudolph. No. 1,058,336; Apr. 8; Gaz. vol. 189; p. 369.
- Friction-brake. Z. P. Candee. No. 1,072,424; Sept. 9; Gaz. vol. 194; p. 285.
- Friction device. L. Whitcomb. No. 1,081,999; Dec. 23; Gaz. vol. 197; p. 805.
- Friction device. W. W. Whitcomb. No. 1,082,834; Dec. 30; Gaz. vol. 197; p. 1128.
- Friction let-off, Automatic. O. Dalfond. No. 1,064,294; June 10; Gaz. vol. 191; p. 419.
- Friction-spring. G. L. Harvey. No. 1,073,678; Sept. 23; Gaz. vol. 194; p. 785.
- Friction transmission mechanism. A. A. Reason. No. 1,052,692; Feb. 11; Gaz. vol. 187; p. 322.
- Friction transmission mechanism. J. W. Lambert. No. 1,061,759; May 13; Gaz. vol. 190; p. 446.
- Friction transmission mechanism. L. D. Ryan. No. 1,076,155; Oct. 21; Gaz. vol. 195; p. 593.
- Frog. J. G. Kinnard. No. 1,052,260; Feb. 4; Gaz. vol. 187; p. 144.

Alphabetical list of inventions—Continued.

- Frog, Reversible hard-center. T. F. McEvoy and C. J. Lepperd. No. 1,072,866; Sept. 9; Gaz. vol. 194; p. 440.
- Frogless switch. J. O. Bowmaster. No. 1,075,087; Oct. 7; Gaz. vol. 195; p. 172.
- Frost from forming on windows, Means for preventing. J. T. Pitts. No. 1,057,087; Mar. 25; Gaz. vol. 188; p. 926.
- Fruit and drying same. Dried. H. H. Harrison. No. 1,062,969; May 27; Gaz. vol. 190; p. 930.
- Fruit and flower cutter. C. F. Billau. No. 1,068,848; July 29; Gaz. vol. 192; p. 1152.
- Fruit and flower cutter. C. F. Billau. (Reissue.) No. 13,642; Nov. 11; Gaz. vol. 196; p. 500.
- Fruit and vegetable cleaning device. W. H. Davies. No. 1,060,825; May 6; Gaz. vol. 190; p. 89.
- Fruit and vegetable washer. J. C. Carpenter. No. 1,059,030; Apr. 15; Gaz. vol. 189; p. 646.
- Fruit and vegetables, Apparatus for separating the solid and liquid constituents of. W. S. Kern. No. 1,053,184; Feb. 18; Gaz. vol. 187; p. 533.
- Fruit. Artificially coloring citrus. L. B. Williams. No. 1,061,253; May 6; Gaz. vol. 190; p. 236.
- Fruit-cleaner. O. K. Porter. No. 1,058,460; Apr. 8; Gaz. vol. 189; p. 411.
- Fruit-cleaner. O. K. Porter. No. 1,058,461; Apr. 8; Gaz. vol. 189; p. 411.
- Fruit-cleaning machine. H. K. Rowland and L. H. Larsen. No. 1,050,298; Jan. 14; Gaz. vol. 186; p. 366.
- Fruit-cleaning machine. W. Northrop. No. 1,068,004; July 22; Gaz. vol. 192; p. 820.
- Fruit-clipper. A. Q. Lancaster. No. 1,066,925; July 8; Gaz. vol. 192; p. 385.
- Fruit-cutter and juice-extractor. J. A. Cooper. No. 1,070,417; Aug. 19; Gaz. vol. 193; p. 528.
- Fruit cutting and pitting machine. A. L. Morton. No. 1,079,573; Nov. 25; Gaz. vol. 196; p. 896.
- Fruit-distributing trough. G. W. Allen. No. 1,063,762; June 3; Gaz. vol. 191; p. 205.
- Fruit-drier. L. B. Skinner. No. 1,049,930; Jan. 7; Gaz. vol. 186; p. 207.
- Fruit-drier. G. T. Stamm. No. 1,078,110; Nov. 11; Gaz. vol. 196; p. 330.
- Fruit-evaporator. T. D. Morgan. No. 1,064,925; June 17; Gaz. vol. 191; p. 665.
- Fruit-gatherer. M. Jensen. No. 1,058,241; Apr. 8; Gaz. vol. 189; p. 334.
- Fruit-gatherer. J. N. Sweeney. No. 1,070,204; Aug. 12; Gaz. vol. 193; p. 413.
- Fruit-gatherer. A. B. Hanson. No. 1,074,715; Oct. 7; Gaz. vol. 195; p. 45.
- Fruit-grader. C. S. Head. No. 1,057,829; Apr. 1; Gaz. vol. 189; p. 148.
- Fruit-grader. J. W. Syler. No. 1,072,192; Sept. 2; Gaz. vol. 194; p. 178.
- Fruit-grading apparatus. R. H. Peacock. No. 1,076,642; Oct. 21; Gaz. vol. 195; p. 766.
- Fruit-grading machine. L. W. Smith and D. H. Francis. No. 1,082,612; Dec. 30; Gaz. vol. 197; p. 1050.
- Fruit-handling machine. H. Strachan and G. P. Schmidt. No. 1,060,376; Apr. 29; Gaz. vol. 189; p. 1181.
- Fruit-handling machine. J. W. Pease. No. 1,071,333; Aug. 26; Gaz. vol. 193; p. 868.
- Fruit-handling machine. J. W. Pease. No. 1,071,334; Aug. 26; Gaz. vol. 193; p. 868.
- Fruit-jar, Screw-cap. C. Stollberg. No. 1,070,748; Aug. 19; Gaz. vol. 193; p. 642.
- Fruit-juices, &c., Apparatus for treating. B. O. Clark. No. 1,062,888; May 27; Gaz. vol. 190; p. 903.
- Fruit-juices, Purifying and preserving. W. Rueff. No. 1,066,153; July 1; Gaz. vol. 192; p. 88.
- Fruit-knife. E. B. Lydick. No. 1,072,243; Sept. 2; Gaz. vol. 194; p. 195.
- Fruit-picker. A. H. Gellness. No. 1,052,238; Feb. 4; Gaz. vol. 187; p. 136.
- Fruit-picker. J. M. De Coster and N. Bathe. No. 1,053,789; Feb. 18; Gaz. vol. 187; p. 743.
- Fruit-picker. H. A. Schumann. No. 1,056,221; Mar. 18; Gaz. vol. 188; p. 598.
- Fruit-picker. E. R. Stoddart. No. 1,061,138; May 6; Gaz. vol. 190; p. 199.
- Fruit-picker. L. M. Richardson. No. 1,063,833; June 3; Gaz. vol. 191; p. 228.
- Fruit-picker. A. W. Ayer. No. 1,064,881; June 17; Gaz. vol. 191; p. 652.
- Fruit-picker. L. S. Byrne. No. 1,069,849; Aug. 12; Gaz. vol. 193; p. 292.
- Fruit-picker. M. I. Randall. No. 1,077,640; Nov. 4; Gaz. vol. 196; p. 137.
- Fruit-picker. F. H. Bratzel. No. 1,083,053; Dec. 30; Gaz. vol. 197; p. 1201.
- Fruit-picker. Long-arm. A. R. Shaw. No. 1,068,536; July 29; Gaz. vol. 192; p. 1041.
- Fruit-picker's receptacle. C. J. O'Reily. No. 1,064,761; June 17; Gaz. vol. 191; p. 615.
- Fruit-picker's sack. H. C. Allen. No. 1,066,454; July 1; Gaz. vol. 192; p. 191.
- Fruit-picker's sack. T. Kuroda. No. 1,070,489; Aug. 19; Gaz. vol. 193; p. 553.
- Fruit-pitting device. L. E. Baltzley. No. 1,056,965; Mar. 25; Gaz. vol. 188; p. 883.
- Fruit-pitting machine. E. A. Vary. No. 1,074,393; Sept. 30; Gaz. vol. 194; p. 1054.
- Fruit-pitting machine. J. Caldwell. No. 1,075,547; Oct. 14; Gaz. vol. 195; p. 358.
- Fruit-press. S. A. Rosen. No. 1,058,792; Apr. 15; Gaz. vol. 189; p. 561.
- Fruit-press. J. Smith. No. 1,077,437; Nov. 4; Gaz. vol. 196; p. 70.
- Fruit-pressing device. L. Heilig. No. 1,058,429; Apr. 8; Gaz. vol. 189; p. 401.
- Fruit product and making same. C. Ellis. No. 1,068,047; July 22; Gaz. vol. 192; p. 835.
- Fruit products, Preparing. J. T. Dorrance. No. 1,068,746; July 29; Gaz. vol. 192; p. 1114.
- Fruit-seeding-machine impaling-roll. W. C. Anderson. No. 1,062,315; May 20; Gaz. vol. 190; p. 674.
- Fruit-sizer. C. C. McIntosh. No. 1,052,499; Feb. 11; Gaz. vol. 187; p. 257.
- Fruit-sizer. L. B. Skinner. No. 1,071,472; Aug. 26; Gaz. vol. 193; p. 914.
- Fruit-treating machine. H. G. Ginaca. No. 1,060,247; Apr. 29; Gaz. vol. 189; p. 1134.
- Fruit-treating machines, Cutting-tube for. H. G. Ginaca. No. 1,060,750; May 6; Gaz. vol. 190; p. 64.
- Fruit-treating system. H. G. Ginaca. No. 1,060,250; Apr. 29; Gaz. vol. 189; p. 1135.
- Fruit-trimming machine. H. G. Ginaca. No. 1,060,249; Apr. 29; Gaz. vol. 189; p. 1135.
- Fruit-trimming machine. H. G. Ginaca. No. 1,065,309; June 17; Gaz. vol. 191; p. 793.
- Fruit-trimming machine. R. Lister. No. 1,065,455; June 24; Gaz. vol. 191; p. 881.
- Fruits, vegetables, seeds, &c., Apparatus for cleaning. H. Becker. No. 1,055,121; Mar. 4; Gaz. vol. 188; p. 158.
- Frying-pan. E. S. Wheeler. No. 1,055,500; Mar. 11; Gaz. vol. 188; p. 321.
- Frying-pan. W. J. Reynolds. No. 1,068,274; July 22; Gaz. vol. 192; p. 918.
- Frying-pan. C. W. Smith. No. 1,076,167; Oct. 21; Gaz. vol. 195; p. 597.
- Fuel-controlling device. L. A. Drago. No. 1,075,701; Oct. 14; Gaz. vol. 195; p. 410.
- Fuel-economizer. E. B. Freeman. No. 1,074,855; Oct. 7; Gaz. vol. 195; p. 90.
- Fuel-economizing apparatus. E. F. Clarke. No. 1,073,795; Sept. 23; Gaz. vol. 194; p. 825.
- Fuel-feeder, Automatic. D. R. Keith. No. 1,066,281; July 1; Gaz. vol. 192; p. 135.
- Fuel-igniting device. F. and L. Sedlak and A. Hora. No. 1,052,624; Feb. 11; Gaz. vol. 187; p. 299.
- Fuel in paper bags, Machine for packing. A. Armbruster. No. 1,079,628; Nov. 25; Gaz. vol. 196; p. 916.
- Fuel, Manufacturing artificial. H. H. Hartung. No. 1,050,535; Jan. 14; Gaz. vol. 186; p. 451.
- Fuel mixer, Gaseous. W. S. Parker. No. 1,074,136; Sept. 30; Gaz. vol. 194; p. 969.
- Fuel mixer, Gaseous. T. Cook. No. 1,078,834; Nov. 18; Gaz. vol. 196; p. 613.
- Fuel mixer, Gaseous. J. T. Hazelton. No. 1,079,338; Nov. 25; Gaz. vol. 196; p. 817.
- Fuel mixture. G. E. Heyl and T. T. Baker. No. 1,081,739; Dec. 16; Gaz. vol. 197; p. 687.
- Fuel of permanent shape and for rendering innocuous the sulfur contained in the coal, Production of weather-proof carbonaceous. E. Pollacek. No. 1,079,142; Nov. 18; Gaz. vol. 196; p. 720.
- Fuel, Producing a substantially complete combustion of. F. H. Brown. No. 1,052,796; Feb. 11; Gaz. vol. 187; p. 357.
- Fuel-regulator, Thermostatic. A. A. Froehlich. No. 1,058,171; Apr. 8; Gaz. vol. 189; p. 311.
- Fuel-saver. Y. Kyoto. No. 1,055,921; Mar. 11; Gaz. vol. 188; p. 461.
- Fuel-spray diffuser. M. Papa-Fedoroff and W. Scorselletti. No. 1,055,789; Mar. 11; Gaz. vol. 188; p. 418.
- Full-stroke mechanism. H. Kuntzler. No. 1,074,054; Sept. 23; Gaz. vol. 194; p. 912.
- Fuel-supply tank. F. G. Farr. No. 1,065,435; June 24; Gaz. vol. 191; p. 875.
- Fuel-vaporizing device. J. A. Thompson. No. 1,065,640; June 24; Gaz. vol. 191; p. 944.
- Fuels, Briqueting and pressing. Á. Rónay. No. 1,052,093; Feb. 4; Gaz. vol. 187; p. 86.
- Fuicrum, Adjustable. C. L. H. Dinkelbiller. No. 1,055,889; Mar. 11; Gaz. vol. 188; p. 450.
- Fume-arrester. S. I. Clawson. No. 1,083,057; Dec. 30; Gaz. vol. 197; p. 1202.
- Fume-arresting apparatus. A. Tomkins. No. 1,057,783; Apr. 1; Gaz. vol. 189; p. 132.
- Fume condensing and regenerative apparatus. W. R. Heslewood. No. 1,052,144; Feb. 4; Gaz. vol. 187; p. 104.
- Fumes or smoke, Means for controlling. G. E. Waggoner. No. 1,077,771; Nov. 4; Gaz. vol. 196; p. 183.
- Fumigating apparatus. C. P. Wilkinson. No. 1,065,013; June 17; Gaz. vol. 191; p. 695.
- Fumigating apparatus, Formaldehyde. R. I. Leach and A. T. Beall. No. 1,073,913; Sept. 23; Gaz. vol. 194; p. 865.

Alphabetical list of inventions—Continued.

- Fumigator. J. Price and W. G. Winter. No. 1,082,097; Dec. 23; Gaz. vol. 197; p. 840.
- Funnel. C. Weld. No. 1,052,111; Feb. 4; Gaz. vol. 187; p. 93.
- Funnel. D. Hogue. No. 1,055,534; Mar. 11; Gaz. vol. 188; p. 332.
- Funnel. A. O. Kott. No. 1,062,167; May 20; Gaz. vol. 190; p. 623.
- Funnel. I. L. Robblee. No. 1,069,579; Aug. 5; Gaz. vol. 193; p. 168.
- Funnel. D. B. Landers. No. 1,083,107; Dec. 30; Gaz. vol. 197; p. 1219.
- Funnel. Collapsible straining-. S. E. Jarratt. No. 1,050,028; Jan. 7; Gaz. vol. 186; p. 240.
- Funnel for liquids, Self-closing. K. H. Rosenauer. No. 1,074,465; Sept. 30; Gaz. vol. 194; p. 1078.
- Funnel, Self-closing. A. Von der Crone. No. 1,061,888; May 13; Gaz. vol. 190; p. 485.
- Funnel, Separatory. R. H. Shaw. No. 1,049,411; Jan. 7; Gaz. vol. 186; p. 32.
- Fur-beating machine. F. Herud. No. 1,082,747; Dec. 30; Gaz. vol. 197; p. 1098.
- Fur piece, Convertible. G. Epstein. No. 1,075,244; Oct. 7; Gaz. vol. 195; p. 226.
- Fur. Producing imitation sable-. C. R. Protze. No. 1,059,760; Apr. 22; Gaz. vol. 189; p. 929.
- Furnace: See Annealing-furnace; Blast-furnace; Boiler-furnace; Cane-boiling furnace; Cementation-furnace; Cremation-furnace; Crucible-furnace; Cupola-furnace; Destructor-furnace; Electric furnace; Electric resistance furnace; Electric rivet-furnace; Electrometallurgical furnace; Extension-furnace; Fireplace-furnace; Floor-furnace; Garbage-furnace; Gas-furnace; Gas-burning furnace; Glass-furnace; Heating-furnace; Hot-air furnace; Hot-water furnace; Hydrocarbon-furnace; Hydrocarbon-burning furnace; Liquid-fuel furnace; Melting-furnace; Metallurgical furnace; Muffle-furnace; Multiple-floor furnace; Oil-burning furnace; Ore-reducing furnace; Ore-roasting furnace; Ore-treating furnace; Plate and sheet furnace; Reduction-furnace; Refuse-destructor furnace; Regenerative furnace; Retort-furnace; Reverberatory furnace; Reversing-furnace; Roasting-furnace; Rotary furnace; Siemens-Martin furnace; Sintering or roasting furnace; Smelting-furnace; Smelting and refining furnace; Soldering-furnace; Spoke-heating furnace; Steam-generator furnace; Steamship-furnace; Tilting furnace; Traveling-grate furnace; Tunnel-furnace; Water-jacket furnace; Zinc-furnace.
- Furnace. W. D. Rambo. No. 1,050,392; Jan. 14; Gaz. vol. 186; p. 399.
- Furnace. A. P. Smith. No. 1,052,760; Feb. 11; Gaz. vol. 187; p. 344.
- Furnace. J. Harper. No. 1,054,114; Feb. 25; Gaz. vol. 187; p. 888.
- Furnace. J. Weintz. No. 1,055,247; Mar. 4; Gaz. vol. 188; p. 198.
- Furnace. F. J. Zippler. No. 1,055,589; Mar. 11; Gaz. vol. 188; p. 349.
- Furnace. W. S. Rockey and H. Eldridge. No. 1,057,883; Apr. 1; Gaz. vol. 189; p. 167.
- Furnace. F. Merian. No. 1,058,191; Apr. 8; Gaz. vol. 189; p. 318.
- Furnace. J. Harrington. No. 1,058,365; Apr. 8; Gaz. vol. 189; p. 379.
- Furnace. J. Harrigan. No. 1,059,153; Apr. 15; Gaz. vol. 189; p. 688.
- Furnace. D. W. Blair. No. 1,061,964; May 13; Gaz. vol. 190; p. 511.
- Furnace. F. J. Doyle. No. 1,062,147; May 20; Gaz. vol. 190; p. 617.
- Furnace. A. R. Leggett. No. 1,062,483; May 20; Gaz. vol. 190; p. 728.
- Furnace. F. L. Bromley. No. 1,064,439; June 10; Gaz. vol. 191; p. 470.
- Furnace. H. N. Leask. No. 1,064,500; June 10; Gaz. vol. 191; p. 491.
- Furnace. J. Harrington. No. 1,065,359; June 24; Gaz. vol. 191; p. 848.
- Furnace. J. H. Parsons. No. 1,066,041; July 1; Gaz. vol. 192; p. 49.
- Furnace. J. H. Parsons. No. 1,066,042; July 1; Gaz. vol. 192; p. 49.
- Furnace. J. W. Brown. No. 1,067,795; July 22; Gaz. vol. 192; p. 750.
- Furnace. J. B. Hodapp. No. 1,068,902; July 29; Gaz. vol. 192; p. 1171.
- Furnace. J. Churchward. No. 1,069,601; Aug. 5; Gaz. vol. 193; p. 176.
- Furnace. G. L. Schuetz. No. 1,069,983; Aug. 12; Gaz. vol. 193; p. 337.
- Furnace. J. W. Hamilton, Jr., and J. W. Johnson. No. 1,072,331; Sept. 2; Gaz. vol. 194; p. 222.
- Furnace. H. A. Poppenhusen and J. Harrington. No. 1,073,437; Sept. 16; Gaz. vol. 194; p. 679.
- Furnace. W. W. Case, Jr. No. 1,076,346; Oct. 21; Gaz. vol. 195; p. 660.
- Furnace. W. A. Hall. No. 1,076,763; Oct. 28; Gaz. vol. 195; p. 859.
- Furnace. A. O. Gutsch. No. 1,077,405; Nov. 4; Gaz. vol. 196; p. 59.
- Furnace. G. Wilton. No. 1,081,073; Dec. 9; Gaz. vol. 197; p. 428.
- Furnace. A. Mt. Joy. No. 1,081,321; Dec. 16; Gaz. vol. 197; p. 551.
- Furnace. R. D. McManigal. No. 1,081,545; Dec. 16; Gaz. vol. 197; p. 626.
- Furnace. F. J. Nice. No. 1,082,898; Dec. 30; Gaz. vol. 197; p. 1150.
- Furnace and drum therefor. J. Bolgiano. No. 1,057,389; Mar. 25; Gaz. vol. 188; p. 1026.
- Furnace-arch. F. Girtanner. No. 1,068,581; July 29; Gaz. vol. 192; p. 1056.
- Furnace arch, Locomotive-. C. B. Moore. No. 1,069,974; Aug. 12; Gaz. vol. 193; p. 334.
- Furnace-burner. G. L. Fogler. No. 1,069,243; Aug. 5; Gaz. vol. 193; p. 56.
- Furnace-charging apparatus. P. D. Canham. No. 1,072,571; Sept. 9; Gaz. vol. 194; p. 337.
- Furnace-charging apparatus, Blast-. J. W. Shook. No. 1,055,671; Mar. 11; Gaz. vol. 188; p. 377.
- Furnace-charging apparatus, Blast-. E. J. Windsor-Richards and T. Lewis. No. 1,061,349; May 13; Gaz. vol. 190; p. 304.
- Furnace-charging apparatus, Destructor-. J. H. Thwaites. No. 1,050,254; Jan. 14; Gaz. vol. 186; p. 350.
- Furnace-charging door. H. N. Leask. No. 1,074,509; Sept. 30; Gaz. vol. 194; p. 1090.
- Furnace-controlling apparatus. J. Denton. No. 1,074,609; Oct. 7; Gaz. vol. 195; p. 7.
- Furnace-door. B. Grant and C. E. Slomke. No. 1,055,629; Mar. 11; Gaz. vol. 188; p. 362.
- Furnace-door. C. J. F. Johnson. No. 1,067,255; July 15; Gaz. vol. 192; p. 533.
- Furnace-door. F. Orth. No. 1,071,786; Sept. 2; Gaz. vol. 194; p. 41.
- Furnace-door attachment. A. E. Vezina. No. 1,068,715; July 29; Gaz. vol. 192; p. 1104.
- Furnace-door frame. L. L. Knox. No. 1,070,487; Aug. 19; Gaz. vol. 193; p. 553.
- Furnace-door frame, Water-cooled. L. L. Knox. No. 1,073,144; Sept. 16; Gaz. vol. 194; p. 575.
- Furnace door, Locomotive-. H. Gregg. No. 1,058,298; Apr. 8; Gaz. vol. 189; p. 354.
- Furnace door or damper. J. B. Phillips and J. A. Kaplan. No. 1,068,925; July 29; Gaz. vol. 192; p. 1179.
- Furnace draft-regulator. J. J. Currie. No. 1,049,343; Jan. 7; Gaz. vol. 186; p. 9.
- Furnace dust, Manufacturing briquets from ore or blast-. W. Haage. No. 1,059,150; Apr. 15; Gaz. vol. 189; p. 687.
- Furnace-feeding apparatus. J. T. Fetherston. No. 1,053,020; Feb. 11; Gaz. vol. 187; p. 433.
- Furnace-feeding device. E. B. Miller. No. 1,064,516; June 10; Gaz. vol. 191; p. 495.
- Furnace-feeding device. J. Harrington. No. 1,075,352; Oct. 14; Gaz. vol. 195; p. 290.
- Furnace-feeding device, Roasting-. H. H. Stout. No. 1,069,738; Aug. 12; Gaz. vol. 193; p. 253.
- Furnace fire-door. W. N. Springer. No. 1,066,670; July 8; Gaz. vol. 192; p. 297.
- Furnace fire-door, Boiler-. G. de Grah. No. 1,051,220; Jan. 21; Gaz. vol. 186; p. 718.
- Furnace for burning bituminous coal. W. McClave. No. 1,071,166; Aug. 26; Gaz. vol. 193; p. 812.
- Furnace for reduction of ores. G. F. Rendall. No. 1,053,435; Feb. 18; Gaz. vol. 187; p. 622.
- Furnace-front. J. H. Hume. No. 1,076,428; Oct. 21; Gaz. vol. 195; p. 689.
- Furnace-front. W. A. White and W. C. Wallace. No. 1,082,576; Dec. 30; Gaz. vol. 197; p. 1037.
- Furnace-front. W. A. White. No. 1,082,835; Dec. 30; Gaz. vol. 197; p. 1128.
- Furnace-front arch, Locomotive-. C. B. Moore. No. 1,069,973; Aug. 12; Gaz. vol. 193; p. 333.
- Furnace-grate. T. Dawson. No. 1,050,619; Jan. 14; Gaz. vol. 186; p. 478.
- Furnace-grate. C. F. Newport. No. 1,068,811; July 29; Gaz. vol. 192; p. 1139.
- Furnace grate, Destructor-. E. H. Foster. No. 1,066,197; July 1; Gaz. vol. 192; p. 105.
- Furnace-grate, Endless movable. F. Girtanner. No. 1,050,531; Jan. 14; Gaz. vol. 186; p. 449.
- Furnace in which industrial residues are burnt. L. Félizat. No. 1,078,038; Nov. 11; Gaz. vol. 196; p. 305.
- Furnace lining, Electric-. F. M. Becket. No. 1,049,801; Jan. 7; Gaz. vol. 186; p. 164.
- Furnace-linings, Forming. A. E. Wheeler and M. W. Krejčí. No. 1,068,470; July 29; Gaz. vol. 192; p. 1019.
- Furnace-meter. W. A. Blonck. No. 1,055,255; Mar. 4; Gaz. vol. 188; p. 200.
- Furnace or oven charging apparatus. U. Wedge. No. 1,079,081; Nov. 18; Gaz. vol. 196; p. 699.
- Furnace-port. A. W. Allen. No. 1,076,540; Oct. 21; Gaz. vol. 195; p. 729.
- Furnace-top. F. C. Roberts and A. Broden. No. 1,066,225; July 1; Gaz. vol. 192; p. 115.

Alphabetical list of inventions—Continued.

- Furnaces, Agitating or stirring device for use in mechanical roasting. M. V. de Lummen. No. 1,061,303; May 13; Gaz. vol. 190; p. 289.
- Furnaces, Air-regulator for steam-boiler. A. Cotton. No. 1,067,319; July 15; Gaz. vol. 192; p. 556.
- Furnaces and the like, Automatic charging device for roasting. L. Singer. No. 1,071,962; Sept. 2; Gaz. vol. 194; p. 100.
- Furnaces, Apparatus for automatically regulating the draft in boiler. G. de Grahl. No. 1,079,853; Nov. 25; Gaz. vol. 196; p. 995.
- Furnaces, Cleaning reversing. P. G. Faherty. No. 1,069,657; Aug. 5; Gaz. vol. 193; p. 195.
- Furnaces, Downcomer construction for blast. J. Kennedy. No. 1,064,343; June 10; Gaz. vol. 191; p. 435.
- Furnaces, Feeding-twyer for ore-treating. E. E. Baner. No. 1,073,463; Sept. 16; Gaz. vol. 194; p. 689.
- Furnaces for burning ore-bricks, Working channel. A. Råmen. No. 1,058,099; Apr. 8; Gaz. vol. 189; p. 286.
- Furnaces, Gas-controlling means for regenerative. W. Reitmester. No. 1,075,159; Oct. 7; Gaz. vol. 195; p. 196.
- Furnaces, Gate for draft-chambers of. M. A. Malloy. No. 1,058,025; Apr. 1; Gaz. vol. 189; p. 215.
- Furnaces, Material for use in making up, repairing, and replacing linings, &c., of metallurgical. J. E. Baker. No. 1,063,102; May 27; Gaz. vol. 190; p. 974.
- Furnaces, Means for adjusting the doors of boiler. G. de Grahl. No. 1,067,422; July 15; Gaz. vol. 192; p. 590.
- Furnaces, Means for regulating the supply of air to sulfur or like. D. N. Hunt. No. 1,053,915; Feb. 18; Gaz. vol. 187; p. 784.
- Furnaces, Mechanical feeding apparatus for shaft blast. F. S. Sanderson. No. 1,070,922; Aug. 19; Gaz. vol. 193; p. 696.
- Furnaces or the like, Agitating device for roasting. M. V. de Lumen. No. 1,076,297; Oct. 21; Gaz. vol. 195; p. 642.
- Furnaces, Preparing coke for charging blast. M. C. Steese. No. 1,054,051; Feb. 25; Gaz. vol. 187; p. 867.
- Furnaces, Preparing material for use in making up, repairing, and replacing linings, &c., of metallurgical. J. E. Baker. No. 1,063,103; May 27; Gaz. vol. 190; p. 974.
- Furnaces, Process of and apparatus for feeding cars into and through tunnel. A. H. Cowles. No. 1,073,219; Sept. 16; Gaz. vol. 194; p. 603.
- Furnaces, Rabble-arm for roasting. U. Wedge. No. 1,068,955; July 29; Gaz. vol. 192; p. 1189.
- Furnaces, Rabble shaft, arms, and plows for roasting. T. D. Merton. No. 1,068,518; July 29; Gaz. vol. 192; p. 1035.
- Furnaces, Recuperator for oscillating. J. P. Roe. No. 1,064,933; June 17; Gaz. vol. 191; p. 668.
- Furnaces, Refractory brick arch for locomotive. C. B. Moore. No. 1,063,575; June 3; Gaz. vol. 191; p. 137.
- Furnaces, Regenerator for metallurgical. T. L. Holle. No. 1,076,426; Oct. 21; Gaz. vol. 195; p. 688.
- Furnaces, Regulating and reversing apparatus for regenerative gas. H. Kopper. No. 1,065,690; June 24; Gaz. vol. 191; p. 962.
- Furnaces, Regulation of regenerative. J. H. Gray and M. A. Neeland. No. 1,054,643; Feb. 25; Gaz. vol. 187; p. 1069.
- Furnaces, Smoke-consuming device for. C. W. Lupton. No. 1,070,148; Aug. 12; Gaz. vol. 193; p. 394.
- Furnaces, Thermal treatment of metal in electrically-heated. P. Girod. No. 1,066,810; July 8; Gaz. vol. 192; p. 346.
- Furnaces, Treatment of fusible ceramic bodies for indicating temperature in. E. Cramer. No. 1,063,012; May 27; Gaz. vol. 190; p. 944.
- Furnaces, Water-front for fire-pots of. B. H. Van Auken. No. 1,076,082; Oct. 21; Gaz. vol. 195; p. 568.
- Furniture. W. B. Harlan. No. 1,053,384; Feb. 18; Gaz. vol. 187; p. 603.
- Furniture. J. Hamacheck. No. 1,060,547; Apr. 29; Gaz. vol. 189; p. 1240.
- Furniture and the like, Fastening for knockdown. F. E. Cartier. No. 1,078,186; Nov. 11; Gaz. vol. 196; p. 356.
- Furniture, Article of. S. T. Whitaker. No. 1,055,109; Mar. 4; Gaz. vol. 188; p. 154.
- Furniture-brace. A. B. Russell. No. 1,066,421; July 1; Gaz. vol. 192; p. 179.
- Furniture, &c., Buffer for. M. H. Thomas. No. 1,069,911; Aug. 12; Gaz. vol. 193; p. 313.
- Furniture, Convertible. J. L. Tandy. No. 1,061,426; May 13; Gaz. vol. 190; p. 330.
- Furniture, Convertible. A. Johnson. No. 1,074,865; Oct. 7; Gaz. vol. 195; p. 93.
- Furniture, Convertible. W. H. Curtice. No. 1,077,189; Oct. 28; Gaz. vol. 195; p. 1003.
- Furniture-foot. R. Krasberg. No. 1,066,503; July 8; Gaz. vol. 192; p. 238.
- Furniture joint-fastening. A. A. Anderson. No. 1,069,994; Aug. 12; Gaz. vol. 193; p. 340.
- Furniture joint-fastening. A. A. Anderson. No. 1,071,542; Aug. 26; Gaz. vol. 193; p. 937.
- Furniture, Metallic. G. W. Brooks. No. 1,052,794; Feb. 11; Gaz. vol. 187; p. 356.
- Furniture packing-pad. C. A. Wakeman. No. 1,078,390; Nov. 11; Gaz. vol. 196; p. 429.
- Furniture, Printing-office. F. M. Bashelier. No. 1,057,371; Mar. 25; Gaz. vol. 188; p. 1020.
- Furniture, Sheet-metal. E. J. Jones. No. 1,080,513; Dec. 2; Gaz. vol. 197; p. 207.
- Furniture, Store. L. F. Koniakowsky. No. 1,062,543; May 20; Gaz. vol. 190; p. 746.
- Furniture-support, Non-sweating. A. P. Jones. No. 1,069,141; Aug. 5; Gaz. vol. 193; p. 17.
- Furring-strip. A. G. Higgins. No. 1,064,731; June 17; Gaz. vol. 191; p. 605.
- Furrow-gage. E. B. Wills. No. 1,074,763; Oct. 7; Gaz. vol. 195; p. 61.
- Furrow-opener attachment. O. F. Orndoff. No. 1,050,681; Jan. 14; Gaz. vol. 186; p. 497.
- Furrow-opener, Double-disk. F. R. Packham. No. 1,079,140; Nov. 18; Gaz. vol. 196; p. 719.
- Furrow-slicing machine. R. Douglas. No. 1,055,618; Mar. 11; Gaz. vol. 188; p. 359.
- Fuse. J. H. Palmer. No. 1,052,950; Feb. 11; Gaz. vol. 187; p. 411.
- Fuse. J. S. Johnston. No. 1,053,606; Feb. 18; Gaz. vol. 187; p. 680.
- Fuse. A. W. Schramm. No. 1,054,717; Mar. 4; Gaz. vol. 188; p. 21.
- Fuse. J. Keefe. No. 1,066,912; July 8; Gaz. vol. 192; p. 380.
- Fuse. J. W. Hooley. No. 1,074,434; Sept. 30; Gaz. vol. 194; p. 1068.
- Fuse. E. E. Roberts. No. 1,077,369; Nov. 4; Gaz. vol. 196; p. 45.
- Fuse and cut-out, Electric. J. S. Johnston. No. 1,053,096; Feb. 11; Gaz. vol. 187; p. 461.
- Fuse and fuse-carrier. T. E. Murray. No. 1,079,018; Nov. 18; Gaz. vol. 196; p. 677.
- Fuse-block and relay protector, Automatic. T. B. Jones. No. 1,054,559; Feb. 25; Gaz. vol. 187; p. 1040.
- Fuse-cap protector. R. C. Miller. No. 1,081,854; Dec. 16; Gaz. vol. 197; p. 729.
- Fuse, Cartridge. A. F. Daum. No. 1,061,227; May 6; Gaz. vol. 190; p. 228.
- Fuse, Cartridge. A. F. Daum. No. 1,061,228; May 6; Gaz. vol. 190; p. 228.
- Fuse cut-out. E. R. Carichoff. No. 1,055,877; Mar. 11; Gaz. vol. 188; p. 447.
- Fuse, Detonating. E. Burkard. No. 1,049,665; Jan. 7; Gaz. vol. 186; p. 119.
- Fuse, Detonating. E. Burkard. No. 1,049,666; Jan. 7; Gaz. vol. 186; p. 119.
- Fuse device. A. E. Simmons. No. 1,074,218; Sept. 30; Gaz. vol. 194; p. 995.
- Fuse device, Multiple. G. S. Shoupe and W. H. Palmer. No. 1,081,160; Dec. 9; Gaz. vol. 197; p. 458.
- Fuse, Electric. M. C. Warren. No. 1,056,862; Mar. 25; Gaz. vol. 188; p. 847.
- Fuse, Electric. T. E. Murray, Jr. No. 1,073,619; Sept. 23; Gaz. vol. 194; p. 762.
- Fuse, Electrical. H. W. Young. No. 1,067,568; July 15; Gaz. vol. 192; p. 639.
- Fuse for a projectile. H. B. Strange. No. 1,077,439; Nov. 4; Gaz. vol. 196; p. 71.
- Fuse for projectiles, Percussion. K. Wieser. No. 1,072,544; Sept. 9; Gaz. vol. 194; p. 327.
- Fuse for universal projectiles, Combination. K. Völler. No. 1,061,887; May 13; Gaz. vol. 190; p. 485.
- Fuse-holder. H. W. Young. No. 1,067,498; July 15; Gaz. vol. 192; p. 617.
- Fuse-holding device. T. E. Murray. No. 1,060,617; May 6; Gaz. vol. 190; p. 19.
- Fuse-housing. D. C. Hooker. No. 1,049,362; Jan. 7; Gaz. vol. 186; p. 15.
- Fuse, Impact. K. Wieser. No. 1,063,095; May 27; Gaz. vol. 190; p. 972.
- Fuse, Impact. K. Wieser. No. 1,072,546; Sept. 9; Gaz. vol. 194; p. 328.
- Fuse, Inclosed. H. R. Williams. No. 1,054,068; Feb. 25; Gaz. vol. 187; p. 872.
- Fuse, Inclosed electric. W. J. Morgan. No. 1,074,806; Oct. 7; Gaz. vol. 195; p. 75.
- Fuse, Inclosed electric. F. N. Conant. No. 1,081,213; Dec. 9; Gaz. vol. 197; p. 475.
- Fuse, Inclosed electric. F. N. Conant. No. 1,081,214; Dec. 9; Gaz. vol. 197; p. 475.
- Fuse-lighter, Electric. H. Bargman. No. 1,057,370; Mar. 25; Gaz. vol. 188; p. 1020.
- Fuse-making machine. L. and J. Schulman. No. 1,079,367; Nov. 25; Gaz. vol. 196; p. 825.
- Fuse, Mechanical time. A. Junghans. No. 1,069,094; July 29; Gaz. vol. 192; p. 1237.
- Fuse, Mechanical time. K. Wieser. No. 1,072,545; Sept. 9; Gaz. vol. 194; p. 328.
- Fuse, Mechanical time. H. Thiel. No. 1,077,107; Oct. 28; Gaz. vol. 195; p. 979.
- Fuse, Percussion. K. Wieser. No. 1,062,810; May 27; Gaz. vol. 190; p. 877.
- Fuse-plug. F. G. Craig, Jr. No. 1,067,866; July 22; Gaz. vol. 192; p. 774.

Alphabetical list of inventions—Continued.

- Fuse-plug. R. C. Bronson. No. 1,071,871; Sept. 2; Gaz. vol. 194; p. 70.
- Fuse-plug. H. T. Paiste. No. 1,078,458; Nov. 11; Gaz. vol. 196; p. 452.
- Fuse-plug. G. B. Thomas. No. 1,078,472; Nov. 11; Gaz. vol. 196; p. 455.
- Fuse-plug. T. E. Murray. No. 1,079,948; Dec. 2; Gaz. vol. 197; p. 9.
- Fuse-plug, Electrical. J. S. Johnston. No. 1,050,062; Jan. 7; Gaz. vol. 186; p. 253.
- Fuse-plug, Refillable. F. H. Kaiser. No. 1,062,240; May 20; Gaz. vol. 190; p. 648.
- Fuse-plug, Refillable. J. G. Clemens. No. 1,062,889; May 27; Gaz. vol. 190; p. 904.
- Fuse-puller. P. D. Barager. No. 1,053,770; Feb. 18; Gaz. vol. 187; p. 736.
- Fuse-resetter, Automatic. J. B. Elkin. No. 1,082,417; Dec. 23; Gaz. vol. 197; p. 949.
- Fuse, Safety-. L. Kovacs. No. 1,049,370; Jan. 7; Gaz. vol. 186; p. 18.
- Fuse, Safety-. A. F. Daum. No. 1,061,226; May 6; Gaz. vol. 190; p. 227.
- Fuse-setting device. W. Schwartz. No. 1,079,885; Nov. 25; Gaz. vol. 196; p. 1005.
- Fuse-setting machine. W. Schwartz. No. 1,079,886; Nov. 25; Gaz. vol. 196; p. 1006.
- Fuse with safety device, Shell-. H. Nordenfelt. No. 1,053,857; Feb. 18; Gaz. vol. 187; p. 763.
- Fuses, Adjustable delay device for percussion-. E. O. L. Vogt. No. 1,057,305; Mar. 25; Gaz. vol. 188; p. 999.
- Fuses and crimping caps thereon, Machine for cutting. F. R. Anderson. No. 1,051,853; Feb. 4; Gaz. vol. 187; p. 3.
- Fuses, Compound for igniting blast-. J. M. Cordray. No. 1,072,827; Sept. 9; Gaz. vol. 194; p. 426.
- Fuses, Contact for screw-plug. W. Klement, E. Kohrs, and C. Leichtsenschlag. No. 1,054,212; Feb. 25; Gaz. vol. 187; p. 923.
- Fuses, Delayed-action device for impact-. K. Wieser. No. 1,079,383; Nov. 25; Gaz. vol. 196; p. 831.
- Fusee, Time-burning railway signal-. L. S. Ross. No. 1,059,214; Apr. 15; Gaz. vol. 189; p. 709.
- Fusee, Time-burning railway signal-. L. S. Ross. No. 1,059,767; Apr. 22; Gaz. vol. 189; p. 931.
- Fusee, Time-burning railway signal-. L. S. Ross. No. 1,059,768; Apr. 22; Gaz. vol. 189; p. 931.
- Gaff-hook. A. Krueger. No. 1,049,875; Jan. 7; Gaz. vol. 186; p. 189.
- Gage. *See* Adjustable gage; Boiler water-gage; Brake-beam gage; Butt-gage; Carpenter's gage; Chisel-gage; Cock-gage; Die-maker's clearance-gage; Fluid-pressure gage; Fluid-pressure-regulating gage; Furrow-gage; Hinge-gage; Indicating-gage; Knife-gage; Liquid-gage; Loom-gage; Micrometer-gage; Micrometer adjusting feeler gage; Paper-gage; Paper-box-maker's gage; Pressure-gage; Pressure-alarm gage; Pressure-recording gage; Printing-press gage; Printing-press feed-gage; Printing-press register-gage; Recording-gage; Ring-gage; Row-gage; Saw-gage; Sewing-machine gage; Sewing-machine plate-gage; Shear-gage; Skirt-gage; Skirt-marking gage; Speed-recording gage; Standard gage; Tank-gage; Tenon-machine gage; Tire-gage; Track-gage; Tympan-gage; Type-proofing gage; Vacuum or pressure gage; Watch-gage; Water-gage; Weir-gage; Wind-gage.
- Gage. C. H. Draper and C. F. Roper. No. 1,051,711; Jan. 28; Gaz. vol. 186; p. 917.
- Gage. W. H. Ward. No. 1,062,525; May 20; Gaz. vol. 190; p. 741.
- Gage. A. Bauschlicher. No. 1,072,378; Sept. 2; Gaz. vol. 194; p. 240.
- Gage-bracket. F. L. Hurley. No. 1,083,254; Dec. 30; Gaz. vol. 197; p. 1264.
- Gage fitting, Water and like. R. Klinger. No. 1,067,661; July 15; Gaz. vol. 192; p. 672.
- Gage-glass fitting. E. W. Roberts. No. 1,056,304; Mar. 18; Gaz. vol. 188; p. 626.
- Gage-glass fixture. T. C. Salter. No. 1,077,758; Nov. 4; Gaz. vol. 196; p. 178.
- Gage-glass holder. F. G. Dunbar. No. 1,050,926; Jan. 21; Gaz. vol. 186; p. 619.
- Gage-glass protector. F. G. Dunbar. No. 1,050,927; Jan. 21; Gaz. vol. 186; p. 619.
- Gage glass, Water-. A. Van Brunt. No. 1,059,580; Apr. 22; Gaz. vol. 189; p. 870.
- Gage holder or bracket, Pressure-. G. E. Baillie. No. 1,049,974; Jan. 7; Gaz. vol. 186; p. 221.
- Gage-indicator. P. M. Freer. No. 1,058,011; Apr. 1; Gaz. vol. 189; p. 211.
- Gage-wheel structure. G. S. McDonald. No. 1,071,450; Aug. 26; Gaz. vol. 193; p. 907.
- Gages, Holder for surface-indicating. J. Neberle. No. 1,059,948; Apr. 22; Gaz. vol. 189; p. 989.
- Gaging and distributing articles of different thickness, Machine for. I. L. D. Elderkin. No. 1,078,778; Nov. 18; Gaz. vol. 196; p. 594.
- Gaiter. W. H. Weaser. No. 1,061,510; May 13; Gaz. vol. 190; p. 360.
- Galvanic battery. C. B. Schoenmehl. No. 1,055,561; Mar. 11; Gaz. vol. 188; p. 340.
- Galvanic battery. J. Haigh. No. 1,073,753; Sept. 23; Gaz. vol. 194; p. 812.
- Galvanic battery. C. B. Schoenmehl. No. 1,080,484; Dec. 2; Gaz. vol. 197; p. 198.
- Galvanic cell. A. Heil. No. 1,053,390; Feb. 18; Gaz. vol. 187; p. 605.
- Galvanic cell. A. Heil. No. 1,053,505; Feb. 18; Gaz. vol. 187; p. 646.
- Galvanic cell. A. Heil. No. 1,057,830; Apr. 1; Gaz. vol. 189; p. 149.
- Galvanic cell. A. Heil. No. 1,064,210; June 10; Gaz. vol. 191; p. 392.
- Galvanic cell. A. Heil. No. 1,064,211; June 10; Gaz. vol. 191; p. 392.
- Galvanic cell. M. L. Kaplan. No. 1,075,479; Oct. 14; Gaz. vol. 195; p. 335.
- Galvanic cell. M. L. Kaplan. No. 1,078,788; Nov. 18; Gaz. vol. 196; p. 598.
- Galvanizing or coating fence and other fabrics. W. H. Sommer. No. 1,053,664; Feb. 18; Gaz. vol. 187; p. 699.
- Gambrel. J. Bunderle. No. 1,049,990; Jan. 7; Gaz. vol. 186; p. 226.
- Game. H. C. Shipman. No. 1,053,322; Feb. 18; Gaz. vol. 187; p. 582.
- Game. H. Stout. No. 1,053,672; Feb. 18; Gaz. vol. 187; p. 703.
- Game. F. C. Crew. No. 1,053,788; Feb. 18; Gaz. vol. 187; p. 742.
- Game. W. C. Rood. No. 1,055,083; Mar. 4; Gaz. vol. 188; p. 147.
- Game. J. Greene. No. 1,061,173; May 6; Gaz. vol. 190; p. 209.
- Game. H. A. J. Schultze. No. 1,063,472; June 3; Gaz. vol. 191; p. 102.
- Game. C. B. Brewer. No. 1,065,775; June 24; Gaz. vol. 191; p. 990.
- Game. R. M. Halliday. No. 1,066,107; July 1; Gaz. vol. 192; p. 71.
- Game. C. W. Graves. No. 1,069,248; Aug. 5; Gaz. vol. 193; p. 57.
- Game. O. R. Tompkins. No. 1,069,741; Aug. 12; Gaz. vol. 193; p. 254.
- Game. C. A. Richmond. No. 1,080,299; Dec. 2; Gaz. vol. 197; p. 133.
- Game. C. A. Richmond. No. 1,080,300; Dec. 2; Gaz. vol. 197; p. 133.
- Game apparatus. G. W. Wilson. No. 1,051,045; Jan. 21; Gaz. vol. 186; p. 660.
- Game apparatus. C. Cahn. No. 1,051,080; Jan. 21; Gaz. vol. 186; p. 661.
- Game apparatus. G. W. Bugbee. No. 1,051,548; Jan. 28; Gaz. vol. 186; p. 863.
- Game apparatus. G. W. Bugbee. No. 1,051,549; Jan. 28; Gaz. vol. 186; p. 863.
- Game apparatus. G. W. Bugbee. No. 1,051,550; Jan. 28; Gaz. vol. 186; p. 864.
- Game apparatus. G. W. Bugbee. No. 1,051,551; Jan. 28; Gaz. vol. 186; p. 864.
- Game apparatus. G. C. Miller and W. J. Beattie. No. 1,051,613; Jan. 28; Gaz. vol. 186; p. 885.
- Game apparatus. J. H. Elvers. No. 1,051,718; Jan. 28; Gaz. vol. 186; p. 919.
- Game apparatus. J. H. Simonson. No. 1,052,287; Feb. 4; Gaz. vol. 187; p. 152.
- Game apparatus. J. A. Hansen and J. W. Carlson. No. 1,053,029; Feb. 11; Gaz. vol. 187; p. 436.
- Game apparatus. A. E. Sobolewski. No. 1,053,234; Feb. 18; Gaz. vol. 187; p. 551.
- Game apparatus. C. E. Burch and C. A. Woolsey. No. 1,053,568; Feb. 18; Gaz. vol. 187; p. 667.
- Game apparatus. H. F. Seidel. No. 1,053,654; Feb. 18; Gaz. vol. 187; p. 696.
- Game apparatus. T. H. Jackson. No. 1,053,817; Feb. 18; Gaz. vol. 187; p. 751.
- Game apparatus. H. F. Seidel. No. 1,053,957; Feb. 18; Gaz. vol. 187; p. 798.
- Game apparatus. H. S. Cowles. No. 1,054,341; Feb. 25; Gaz. vol. 187; p. 966.
- Game apparatus. S. E. Flitner. No. 1,054,757; Mar. 4; Gaz. vol. 188; p. 36.
- Game apparatus. R. A. Mills. No. 1,054,856; Mar. 4; Gaz. vol. 188; p. 71.
- Game apparatus. C. H. Emerson. No. 1,055,151; Mar. 4; Gaz. vol. 188; p. 167.
- Game apparatus. G. C. Anderson. No. 1,055,505; Mar. 11; Gaz. vol. 188; p. 323.
- Game apparatus. T. A. Upton. No. 1,055,983; Mar. 11; Gaz. vol. 188; p. 482.
- Game apparatus. J. B. Fortnam. No. 1,056,526; Mar. 18; Gaz. vol. 188; p. 704.
- Game apparatus. S. E. Shaw. No. 1,057,677; Apr. 1; Gaz. vol. 189; p. 96.
- Game apparatus. L. H. Buchanan. No. 1,059,111; Apr. 15; Gaz. vol. 189; p. 674.
- Game apparatus. S. R. Cook. No. 1,059,928; Apr. 22; Gaz. vol. 189; p. 982.
- Game apparatus. F. L. Ordway. No. 1,059,950; Apr. 22; Gaz. vol. 189; p. 990.
- Game apparatus. W. W. Wooster. No. 1,060,392; Apr. 29; Gaz. vol. 189; p. 1187.

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- Game apparatus. A. J. Krumelch. No. 1,060,846; May 6; Gaz. vol. 190; p. 98.
- Game apparatus. H. B. Palmer. No. 1,061,864; May 13; Gaz. vol. 190; p. 478.
- Game apparatus. E. L. Grondahl. No. 1,061,999; May 20; Gaz. vol. 190; p. 565.
- Game apparatus. J. F. Wilhelm. No. 1,063,233; June 3; Gaz. vol. 191; p. 22.
- Game apparatus. M. S. Comegys. No. 1,063,415; June 3; Gaz. vol. 191; p. 83.
- Game apparatus. C. S. Wheatley. No. 1,063,756; June 3; Gaz. vol. 191; p. 203.
- Game apparatus. J. H. Calisch. No. 1,064,193; June 10; Gaz. vol. 191; p. 386.
- Game apparatus. E. A. Lefebvre. No. 1,064,231; June 10; Gaz. vol. 191; p. 399.
- Game apparatus. H. W. Helliker. No. 1,064,480; June 10; Gaz. vol. 191; p. 484.
- Game apparatus. W. E. Robb. No. 1,065,173; June 17; Gaz. vol. 191; p. 747.
- Game apparatus. S. B. Reeder. No. 1,068,449; July 29; Gaz. vol. 192; p. 1012.
- Game apparatus. D. H. Talbert. No. 1,069,909; Aug. 12; Gaz. vol. 193; p. 312.
- Game apparatus. F. X. Kennedy. No. 1,070,039; Aug. 12; Gaz. vol. 193; p. 356.
- Game apparatus. F. W. Klock. No. 1,072,013; Sept. 2; Gaz. vol. 194; p. 118.
- Game apparatus. F. B. Junn. No. 1,072,954; Sept. 9; Gaz. vol. 194; p. 474.
- Game apparatus. J. S. O'Reilly. No. 1,074,451; Sept. 30; Gaz. vol. 194; p. 1073.
- Game apparatus. W. Maidens. No. 1,076,503; Oct. 21; Gaz. vol. 195; p. 715.
- Game apparatus. E. Krancher. No. 1,076,771; Oct. 28; Gaz. vol. 195; p. 862.
- Game apparatus. F. K. Atkins. No. 1,077,865; Nov. 4; Gaz. vol. 196; p. 213.
- Game appliance. J. Stein. No. 1,072,190; Sept. 2; Gaz. vol. 194; p. 178.
- Game appliance, Rotary. B. Rosenfelder. No. 1,074,896; Oct. 7; Gaz. vol. 195; p. 104.
- Game, Base-ball. L. Borkheim. No. 1,063,910; June 3; Gaz. vol. 191; p. 254.
- Game-board. W. H. Totten. No. 1,052,771; Feb. 11; Gaz. vol. 187; p. 347.
- Game-board. P. C. Oscanyan. No. 1,071,080; Aug. 26; Gaz. vol. 193; p. 784.
- Game, Card. T. H. Barker. No. 1,056,770; Mar. 25; Gaz. vol. 188; p. 816.
- Game, Card. J. J. Hobbs. No. 1,060,900; May 6; Gaz. vol. 190; p. 117.
- Game, Card. E. M. Thomas. No. 1,073,786; Sept. 23; Gaz. vol. 194; p. 822.
- Game, Card. C. M. Nicholson. No. 1,076,307; Oct. 21; Gaz. vol. 195; p. 646.
- Game, Card. J. P. Beavens. No. 1,078,330; Nov. 11; Gaz. vol. 196; p. 406.
- Game-carrier. L. J. Korter. No. 1,064,917; June 17; Gaz. vol. 191; p. 663.
- Game-carrier. W. G. Gilliam. No. 1,075,970; Oct. 14; Gaz. vol. 195; p. 502.
- Game, Magnetic basket-ball. L. H. Jones. No. 1,064,914; June 17; Gaz. vol. 191; p. 662.
- Game of cards. J. I. Flick. No. 1,066,895; July 8; Gaz. vol. 192; p. 374.
- Game-register. D. L. Martin and E. L. Flowers. No. 1,073,262; Sept. 16; Gaz. vol. 194; p. 618.
- Game-table. E. E. Fay. No. 1,070,592; Aug. 19; Gaz. vol. 193; p. 589.
- Game-table. L. Dosch. No. 1,080,427; Dec. 2; Gaz. vol. 197; p. 180.
- Game, Tenpin. A. Ferland. No. 1,064,063; June 10; Gaz. vol. 191; p. 340.
- Game-trap. S. R. Munson. No. 1,073,923; Sept. 23; Gaz. vol. 194; p. 869.
- Games or other events, Apparatus for graphically portraying. C. H. Wilson. No. 1,068,377; July 22; Gaz. vol. 192; p. 949.
- Gang-switch, Time-controlled. J. Greene and W. G. Sadleir. No. 1,066,204; July 1; Gaz. vol. 192; p. 107.
- Garbage-can. W. S. Miller. No. 1,072,022; Sept. 2; Gaz. vol. 194; p. 121.
- Garbage-can, Sanitary. A. C. Titus and C. Leeberg. No. 1,058,205; Apr. 8; Gaz. vol. 189; p. 322.
- Garbage-destroying furnace. P. Wylie and J. H. Hooper. No. 1,064,414; June 10; Gaz. vol. 191; p. 461.
- Garbage holder and strainer. J. W. Pheils. No. 1,053,865; Feb. 18; Gaz. vol. 187; p. 766.
- Garbage-incinerator. E. R. Thorpe and S. C. Thompson. No. 1,070,209; Aug. 12; Gaz. vol. 193; p. 415.
- Garbage or refuse vehicle. C. Putzel and G. B. Marx. No. 1,069,174; Aug. 5; Gaz. vol. 193; p. 29.
- Garbage-receptacle. W. L. Lubbock. No. 1,061,390; May 13; Gaz. vol. 190; p. 318.
- Garbage-receptacle. L. C. Carden. No. 1,068,854; July 29; Gaz. vol. 192; p. 1154.
- Garbage-receptacle. C. A. and J. B. Peters. No. 1,082,550; Dec. 30; Gaz. vol. 197; p. 1027.
- Garbage, Utilizing. J. T. Davis. No. 1,054,282; Feb. 25; Gaz. vol. 187; p. 945.
- Garden rake. J. Dickson. No. 1,050,721; Jan. 14; Gaz. vol. 186; p. 510.
- Garden-tool. J. Peacock. No. 1,050,685; Jan. 14; Gaz. vol. 186; p. 498.
- Garden-tool. O. R. Hauskey. No. 1,069,007; July 29; Gaz. vol. 192; p. 1204.
- Garden-tool. E. L. Nolan. No. 1,082,040; Dec. 23; Gaz. vol. 197; p. 820.
- Garden tool or cultivator. R. Braun. No. 1,070,766; Aug. 19; Gaz. vol. 193; p. 647.
- Garment. C. Baetzel. No. 1,052,879; Feb. 11; Gaz. vol. 187; p. 385.
- Garment. H. Morris, W. Saphier, and J. P. Mann. No. 1,054,981; Mar. 4; Gaz. vol. 188; p. 111.
- Garment. D. H. Benjamin. No. 1,057,798; Apr. 1; Gaz. vol. 189; p. 138.
- Garment. A. Goldschmidt and C. M. Hollander. No. 1,065,310; June 17; Gaz. vol. 191; p. 793.
- Garment. H. Slein. No. 1,068,607; July 29; Gaz. vol. 192; p. 1066.
- Garment. F. M. Prestwich. No. 1,071,955; Sept. 2; Gaz. vol. 194; p. 97.
- Garment. C. N. Dunbar and J. W. Batcheller, Jr. No. 1,073,479; Sept. 16; Gaz. vol. 194; p. 695.
- Garment. R. Yeganian. No. 1,073,726; Sept. 23; Gaz. vol. 194; p. 803.
- Garment. M. Langman. No. 1,076,586; Oct. 21; Gaz. vol. 195; p. 745.
- Garment. W. and L. Goldstein. No. 1,076,757; Oct. 28; Gaz. vol. 195; p. 858.
- Garment. W. L. Siewers. No. 1,077,170; Oct. 28; Gaz. vol. 195; p. 997.
- Garment, Adjustable. A. M. Schneider. No. 1,065,554; June 24; Gaz. vol. 191; p. 915.
- Garment, Adjustable. J. P. Lynch. No. 1,068,351; July 22; Gaz. vol. 192; p. 940.
- Garment, Adjustable. A. M. Schneider. No. 1,071,353; Aug. 26; Gaz. vol. 193; p. 875.
- Garment, Adjustable and reversible. W. C. P. Baldwin. No. 1,051,943; Feb. 4; Gaz. vol. 187; p. 33.
- Garment and making the same, Welted. R. W. Scott. No. 1,079,268; Nov. 18; Gaz. vol. 196; p. 760.
- Garment attachment. J. W. Bruton. No. 1,078,826; Nov. 18; Gaz. vol. 196; p. 610.
- Garment-bag. D. B. Falk. No. 1,070,790; Aug. 19; Gaz. vol. 193; p. 655.
- Garment, Body-. C. W. T. Davies. No. 1,068,042; July 22; Gaz. vol. 192; p. 833.
- Garment cast-off. A. W. Taylor. No. 1,065,087; June 17; Gaz. vol. 191; p. 721.
- Garment-cementing machine. S. Lipson. No. 1,051,136; Jan. 21; Gaz. vol. 186; p. 690.
- Garment-clasp. J. Ettinghaus. No. 1,071,407; Aug. 26; Gaz. vol. 193; p. 893.
- Garment-clasp. G. E. Prentice. No. 1,075,725; Oct. 14; Gaz. vol. 195; p. 418.
- Garment, Combination-. O. M. Potterf. No. 1,076,390; Oct. 21; Gaz. vol. 195; p. 675.
- Garment construction. C. A. Werle. No. 1,068,956; July 29; Gaz. vol. 192; p. 1190.
- Garment-container. J. Freid. No. 1,066,265; July 1; Gaz. vol. 192; p. 130.
- Garment, Electrically-heated. A. Pollak. No. 1,073,926; Sept. 23; Gaz. vol. 194; p. 870.
- Garment-fastener. C. Read. No. 1,052,090; Feb. 4; Gaz. vol. 187; p. 85.
- Garment-fastener. D. Basch. No. 1,052,448; Feb. 11; Gaz. vol. 187; p. 239.
- Garment-fastener. M. A. Willbrandt. No. 1,074,229; Sept. 30; Gaz. vol. 194; p. 1000.
- Garment-fastener. M. B. Grout and W. Edison. No. 1,076,977; Oct. 28; Gaz. vol. 195; p. 936.
- Garment-frame. W. A. Ringler. No. 1,052,426; Feb. 4; Gaz. vol. 187; p. 198.
- Garment-hanger. S. C. Batson. No. 1,049,647; Jan. 7; Gaz. vol. 186; p. 114.
- Garment-hanger. L. Kalina. No. 1,049,867; Jan. 7; Gaz. vol. 186; p. 187.
- Garment-hanger. T. B. Kuczynski. No. 1,059,306; Apr. 15; Gaz. vol. 189; p. 740.
- Garment-hanger. W. A. V. Porter. No. 1,066,144; July 1; Gaz. vol. 192; p. 84.
- Garment-hanger. F. W. Wesner. No. 1,066,170; July 1; Gaz. vol. 192; p. 94.
- Garment-hanger. C. J. Boeh. No. 1,066,369; July 1; Gaz. vol. 192; p. 163.
- Garment-hanger. J. A. Shea. No. 1,072,179; Sept. 2; Gaz. vol. 194; p. 175.
- Garment-hanger. A. L. Mann. No. 1,080,767; Dec. 9; Gaz. vol. 197; p. 327.
- Garment hanger and stretcher. A. J. Ketelsen. No. 1,049,871; Jan. 7; Gaz. vol. 186; p. 188.
- Garment hanger and stretcher. G. H. W. Doose. No. 1,070,236; Aug. 12; Gaz. vol. 193; p. 425.
- Garment-hanger, Folding. M. D. Wahl. No. 1,058,394; Apr. 8; Gaz. vol. 189; p. 389.
- Garment-hanger, Folding. H. M. Owens. No. 1,081,058; Dec. 9; Gaz. vol. 197; p. 424.
- Garment-hanger for sleeping-car berths. E. T. McCord. No. 1,059,891; Apr. 22; Gaz. vol. 189; p. 969.

Alphabetical list of inventions—Continued.

- Garment-hanger support. O. Rangnow. No. 1,052,961; Feb. 11; Gaz. vol. 187; p. 414.
- Garment-holder. L. S. Moses. No. 1,054,861; Mar. 4; Gaz. vol. 188; p. 72.
- Garment-holder. L. Posner. No. 1,068,270; July 22; Gaz. vol. 192; p. 911.
- Garment holder and shape retainer. I. Bernstein. No. 1,073,084; Sept. 16; Gaz. vol. 194; p. 555.
- Garment-hook. T. J. Browning. No. 1,056,496; Mar. 18; Gaz. vol. 188; p. 692.
- Garment-hook. P. Marquand. No. 1,080,987; Dec. 9; Gaz. vol. 197; p. 402.
- Garment-hooks, Lock for. R. H. Vesey. No. 1,067,694; July 15; Gaz. vol. 192; p. 683.
- Garment, Infant's. K. Heinrich. No. 1,059,992; Apr. 29; Gaz. vol. 189; p. 1048.
- Garment, Infant's. G. G. Painter. No. 1,079,798; Nov. 25; Gaz. vol. 196; p. 977.
- Garment-knife, Combination. T. J. Littleton, Jr., and J. P. Tyner. No. 1,079,300; Nov. 18; Gaz. vol. 196; p. 771.
- Garment, Man's. J. C. Strauss. No. 1,052,765; Feb. 11; Gaz. vol. 187; p. 345.
- Garment, One-piece. H. C. Routery. No. 1,072,776; Sept. 9; Gaz. vol. 194; p. 407.
- Garment-pattern. G. W. Rothenberger and W. Hayden. No. 1,049,536; Jan. 7; Gaz. vol. 186; p. 74.
- Garment-presser. H. M. Svebille. No. 1,070,203; Aug. 12; Gaz. vol. 193; p. 413.
- Garment, Reversible-front. B. Budweiser. No. 1,065,027; June 17; Gaz. vol. 191; p. 699.
- Garment-shield, Sanitary. A. Voss. No. 1,076,252; Oct. 21; Gaz. vol. 195; p. 625.
- Garment shoulder-pads, Forming. M. Fischman. No. 1,056,896; Mar. 25; Gaz. vol. 188; p. 859.
- Garment-staying device. M. J. Hoffman. No. 1,071,743; Sept. 2; Gaz. vol. 194; p. 25.
- Garment-stretcher. F. W. Bognar. No. 1,072,690; Sept. 9; Gaz. vol. 194; p. 377.
- Garment-stretcher. C. Starke. No. 1,074,661; Oct. 7; Gaz. vol. 195; p. 26.
- Garment-stretcher. E. S. Duncan. No. 1,077,460; Nov. 4; Gaz. vol. 196; p. 78.
- Garment stretcher and hanger. S. Wood and D. F. Burrage. No. 1,051,048; Jan. 21; Gaz. vol. 186; p. 661.
- Garment-support. G. G. Nordstrom. No. 1,057,448; Apr. 1; Gaz. vol. 189; p. 19.
- Garment-support. J. W. Flagg. No. 1,079,330; Nov. 25; Gaz. vol. 196; p. 813.
- Garment-support. L. G. Dodge, W. F. Freeman, and A. Vanderveld. (Reissue.) No. 13,660; Dec. 23; Gaz. vol. 197; p. 969.
- Garment-supporter. M. A. Simmons. No. 1,051,167; Jan. 21; Gaz. vol. 186; p. 701.
- Garment-supporter. U. G. Salla. No. 1,059,218; Apr. 15; Gaz. vol. 189; p. 710.
- Garment-supporter. A. L. Abercrombie and J. P. Cartin. No. 1,064,416; June 10; Gaz. vol. 191; p. 462.
- Garment-supporter. W. H. Davis. No. 1,066,715; July 8; Gaz. vol. 192; p. 313.
- Garment-supporter. E. L. Bradford. No. 1,070,395; Aug. 19; Gaz. vol. 193; p. 520.
- Garment-supporter. J. D. Coney. No. 1,070,668; Aug. 19; Gaz. vol. 193; p. 614.
- Garment-supporter. R. S. Carter. No. 1,074,605; Oct. 7; Gaz. vol. 195; p. 6.
- Garment-supporter. C. A. Latons. No. 1,075,358; Oct. 14; Gaz. vol. 195; p. 292.
- Garment-supporter. J. A. Shafer. No. 1,077,099; Oct. 28; Gaz. vol. 195; p. 977.
- Garment-supporter. R. T. Clarke. No. 1,077,671; Nov. 4; Gaz. vol. 196; p. 148.
- Garment-supporter attachment. A. V. Brown. No. 1,065,292; June 17; Gaz. vol. 191; p. 787.
- Garment-supporter slide. L. A. Negraval. No. 1,049,757; Jan. 7; Gaz. vol. 186; p. 149.
- Garment-supporter trimming. E. N. Humphrey. No. 1,076,580; Oct. 21; Gaz. vol. 195; p. 742.
- Garment-supporting fixture. F. W. Meyer. No. 1,060,927; May 6; Gaz. vol. 190; p. 126.
- Garments and the like, Adjustable connection for. H. C. Hazard. No. 1,081,611; Dec. 16; Gaz. vol. 197; p. 647.
- Garments, Eye for. C. Leib. No. 1,057,067; Mar. 25; Gaz. vol. 188; p. 918.
- Garter. B. W. Parker. No. 1,066,524; July 8; Gaz. vol. 192; p. 245.
- Garter. G. Norman. No. 1,067,835; July 22; Gaz. vol. 192; p. 763.
- Garter. H. L. Carpenter. No. 1,069,852; Aug. 12; Gaz. vol. 193; p. 293.
- Garter. F. A. Freeman. No. 1,071,726; Sept. 2; Gaz. vol. 194; p. 19.
- Garter. F. G. Eiker. No. 1,074,498; Sept. 30; Gaz. vol. 194; p. 1088.
- Garter-clasp. J. S. Blinn. No. 1,067,299; July 15; Gaz. vol. 192; p. 549.
- Garter fabric. F. A. Freeman. No. 1,082,264; Dec. 23; Gaz. vol. 197; p. 898.
- Garter-fastener. W. Frieder. No. 1,059,961; Apr. 22; Gaz. vol. 189; p. 994.
- Garter-holder. N. E. P. Bergmann. No. 1,061,215; May 6; Gaz. vol. 190; p. 224.
- Garter-package. F. A. Freeman. No. 1,082,265; Dec. 23; Gaz. vol. 197; p. 898.
- Garter, Pocket-. M. J. Hamburger. No. 1,070,250; Aug. 12; Gaz. vol. 193; p. 429.
- Gas alarm, Escaping-. O. Casilli. No. 1,061,598; May 13; Gaz. vol. 190; p. 392.
- Gas-analyzer, Automatic. A. Mertens. No. 1,060,996; May 6; Gaz. vol. 190; p. 151.
- Gas-analyzer, Automatic. P. R. Boulton. No. 1,077,927; Nov. 4; Gaz. vol. 196; p. 235.
- Gas-analyzing apparatus. L. Sanders. No. 1,055,420; Mar. 11; Gaz. vol. 188; p. 294.
- Gas-analyzing apparatus. J. W. Hays. No. 1,077,342; Nov. 4; Gaz. vol. 196; p. 35.
- Gas-analyzing apparatus and process. H. C. Parker. No. 1,057,767; Apr. 1; Gaz. vol. 189; p. 126.
- Gas and air mixer. A. Docking. No. 1,053,793; Feb. 18; Gaz. vol. 187; p. 744.
- Gas and air mixer. J. D. Russ. No. 1,065,551; June 24; Gaz. vol. 191; p. 913.
- Gas and electric outlet clamp, Combination. C. M. Wheelock. No. 1,073,722; Sept. 23; Gaz. vol. 194; p. 802.
- Gas and oil burner, Combined. O. Nichols. No. 1,072,976; Sept. 9; Gaz. vol. 194; p. 482.
- Gas and steam generator, Combined. C. Marischka. No. 1,049,748; Jan. 7; Gaz. vol. 186; p. 146.
- Gas and steam generator, Combined. A. Sauer. No. 1,071,673; Aug. 26; Gaz. vol. 193; p. 980.
- Gas and treating gases, Illuminating liquefied. H. Blau. No. 1,073,843; Sept. 23; Gaz. vol. 194; p. 840.
- Gas and vapor absorber and separator. H. Hey. No. 1,080,445; Dec. 2; Gaz. vol. 197; p. 185.
- Gas apparatus, Acetylene-. A. Moser. No. 1,053,427; Feb. 18; Gaz. vol. 187; p. 619.
- Gas apparatus, Acetylene-. M. E. Loehr. No. 1,059,885; Apr. 22; Gaz. vol. 189; p. 968.
- Gas apparatus, Acetylene-. M. J. Detmer. No. 1,065,116; June 17; Gaz. vol. 191; p. 730.
- Gas apparatus, Air-. S. Olsen. No. 1,080,471; Dec. 2; Gaz. vol. 197; p. 193.
- Gas apparatus, Air-. F. J. Cox. No. 1,082,070; Dec. 23; Gaz. vol. 197; p. 830.
- Gas, Apparatus for extracting tar from. F. H. Wagner. No. 1,067,774; July 15; Gaz. vol. 192; p. 709.
- Gas, Apparatus for producing medicated. A. L. Van Paten. No. 1,060,721; May 6; Gaz. vol. 190; p. 55.
- Gas, Apparatus for separating water from. H. McConnell. No. 1,055,203; Mar. 4; Gaz. vol. 188; p. 183.
- Gas, Apparatus for the production of air-. W. Thiem. No. 1,063,081; May 27; Gaz. vol. 190; p. 967.
- Gas, Apparatus for the production of air-. W. Thiem. No. 1,071,276; Aug. 26; Gaz. vol. 193; p. 849.
- Gas-apparatus safety device, Water-. W. M. Kiley and W. J. Burtie. No. 1,065,254; June 17; Gaz. vol. 191; p. 774.
- Gas apparatus, Vertical-retort. A. J. Robus. No. 1,068,452; July 29; Gaz. vol. 192; p. 1013.
- Gas apparatus, Vertical-retort. A. J. Robus. No. 1,068,820; July 29; Gaz. vol. 192; p. 1142.
- Gas apparatus, Water-. J. C. Stelfox. No. 1,072,370; Sept. 2; Gaz. vol. 194; p. 238.
- Gas appliance, Safety. H. J. Long. No. 1,076,774; Oct. 28; Gaz. vol. 195; p. 864.
- Gas-burner. N. G. Goreau. No. 1,049,848; Jan. 7; Gaz. vol. 186; p. 180.
- Gas-burner. E. H. Fisher. No. 1,051,367; Jan. 21; Gaz. vol. 186; p. 767.
- Gas-burner. F. J. Lidstone. No. 1,052,420; Feb. 4; Gaz. vol. 187; p. 196.
- Gas-burner. B. Staub. No. 1,057,181; Mar. 25; Gaz. vol. 188; p. 958.
- Gas-burner. L. F. Tooth. No. 1,057,302; Mar. 25; Gaz. vol. 188; p. 998.
- Gas-burner. C. H. Erickson. No. 1,057,814; Apr. 1; Gaz. vol. 189; p. 144.
- Gas-burner. W. R. Smith. No. 1,058,007; Apr. 1; Gaz. vol. 189; p. 209.
- Gas-burner. J. M. Robinson. No. 1,058,104; Apr. 8; Gaz. vol. 189; p. 287.
- Gas-burner. J. L. Williams. No. 1,058,125; Apr. 8; Gaz. vol. 189; p. 295.
- Gas-burner. A. S. Plowman. No. 1,059,001; Apr. 15; Gaz. vol. 189; p. 636.
- Gas-burner. F. J. Doyle. No. 1,061,360; May 13; Gaz. vol. 190; p. 308.
- Gas-burner. A. J. Boynton. No. 1,061,811; May 13; Gaz. vol. 190; p. 460.
- Gas-burner. H. A. Chippendale and M. Kimmell. No. 1,063,772; June 3; Gaz. vol. 191; p. 208.
- Gas-burner. M. W. Longfellow. No. 1,064,505; June 10; Gaz. vol. 191; p. 493.
- Gas-burner. F. Minnick. No. 1,064,517; June 10; Gaz. vol. 191; p. 496.
- Gas-burner. M. B. Smith. No. 1,067,069; July 8; Gaz. vol. 192; p. 432.
- Gas-burner. C. A. Johnson. No. 1,074,866; Oct. 7; Gaz. vol. 195; p. 94.

Alphabetical list of inventions—Continued.

- Gas-burner. J. B. Anderson. No. 1,076,857; Oct. 28; Gaz. vol. 195; p. 894.
- Gas-burner. C. F. Krugh. No. 1,076,892; Oct. 28; Gaz. vol. 195; p. 907.
- Gas-burner. C. H. Hook. No. 1,077,073; Oct. 28; Gaz. vol. 195; p. 969.
- Gas-burner. L. C. Hiller and F. I. Camp. No. 1,077,713; Nov. 4; Gaz. vol. 196; p. 161.
- Gas-burner. C. B. McElwaine. No. 1,078,588; Nov. 11; Gaz. vol. 196; p. 493.
- Gas-burner. E. H. Fisher. No. 1,078,726; Nov. 18; Gaz. vol. 196; p. 575.
- Gas-burner. J. H. Ackroyd. No. 1,079,281; Nov. 18; Gaz. vol. 196; p. 764.
- Gas-burner. G. E. Nickol. No. 1,081,275; Dec. 9; Gaz. vol. 197; p. 497.
- Gas-burner. J. Antonuccio. No. 1,082,725; Dec. 30; Gaz. vol. 197; p. 1090.
- Gas-burner, Automatic. C. R. Clark. No. 1,070,016; Aug. 12; Gaz. vol. 193; p. 349.
- Gas-burner cleaner. W. A. Freeman. No. 1,067,911; July 22; Gaz. vol. 192; p. 789.
- Gas burner, Combustible-. C. M. Hunter. No. 1,071,053; Aug. 26; Gaz. vol. 193; p. 775.
- Gas-burner for ovens, Removable. G. A. Tinnerman. No. 1,062,670; May 27; Gaz. vol. 190; p. 832.
- Gas-burner, High-temperature. A. Eimer. No. 1,062,640; May 27; Gaz. vol. 190; p. 822.
- Gas-burner, Inverted. F. J. Humphrey. No. 1,060,093; Apr. 29; Gaz. vol. 189; p. 1081.
- Gas-burner, Inverted incandescent. P. Schroedter. No. 1,070,544; Aug. 19; Gaz. vol. 193; p. 573.
- Gas-burner, Inverted incandescent. V. H. Slinack. No. 1,072,781; Sept. 9; Gaz. vol. 194; p. 409.
- Gas-burner, Multiple. E. E. Frederick. No. 1,076,970; Oct. 28; Gaz. vol. 195; p. 934.
- Gas burner, Oil-. S. M. Abbott. No. 1,056,749; Mar. 18; Gaz. vol. 188; p. 780.
- Gas-burner, Safety. C. E. Rymes. No. 1,050,851; Jan. 21; Gaz. vol. 186; p. 591.
- Gas-burner, Safety. C. G. Farez. No. 1,077,955; Nov. 4; Gaz. vol. 196; p. 246.
- Gas-burner, Thermostatic. H. Schneider. No. 1,060,136; Apr. 29; Gaz. vol. 189; p. 1096.
- Gas-burners, Attachment for incandescent. M. Giorgio. No. 1,080,212; Dec. 2; Gaz. vol. 197; p. 103.
- Gas-burners, Automatic cut-off for. R. Hughes. No. 1,059,873; Apr. 22; Gaz. vol. 189; p. 964.
- Gas-burners, Automatic shut-off for. C. H. Schenk. No. 1,074,211; Sept. 30; Gaz. vol. 194; p. 993.
- Gas-burners, Automatic thermal cut-off for. A. Tibbs. No. 1,082,712; Dec. 30; Gaz. vol. 197; p. 1085.
- Gas-burners, Cylinder or globe for inverted incandescent. A. P. Storrs. No. 1,066,060; July 1; Gaz. vol. 192; p. 55.
- Gas-burners, Igniting. C. F. Arnhorst. No. 1,050,328; Jan. 14; Gaz. vol. 186; p. 377.
- Gas-burners, Lighting attachment for. J. K. Rush. No. 1,066,847; July 8; Gaz. vol. 192; p. 357.
- Gas-burners, Trapping device for. G. B. Van Sickel. No. 1,074,759; Oct. 7; Gaz. vol. 195; p. 60.
- Gas-burning apparatus. P. Fyfe. No. 1,074,110; Sept. 30; Gaz. vol. 194; p. 960.
- Gas-burning furnace. J. E. Bell. No. 1,076,344; Oct. 21; Gaz. vol. 195; p. 659.
- Gas-calorimeter. F. A. Stamps. No. 1,058,483; Apr. 8; Gaz. vol. 189; p. 418.
- Gas-cleaner. A. Ernst. No. 1,062,445; May 20; Gaz. vol. 190; p. 715.
- Gas-cleaner. A. Ernst. No. 1,062,446; May 20; Gaz. vol. 190; p. 715.
- Gas-cleaner. B. Walter. No. 1,074,913; Oct. 7; Gaz. vol. 195; p. 110.
- Gas-cleaner. A. Ernst. No. 1,079,849; Nov. 25; Gaz. vol. 196; p. 994.
- Gas-cleaner, Dry. A. F. Plock. No. 1,055,792; Mar. 11; Gaz. vol. 188; p. 419.
- Gas-cleaning apparatus. H. A. Brassert. No. 1,066,704; July 8; Gaz. vol. 192; p. 310.
- Gas-cleaning mechanism. N. F. Egler. No. 1,083,068; Dec. 30; Gaz. vol. 197; p. 1206.
- Gas-cleaning method and apparatus. H. A. Brassert and R. W. Cousins. No. 1,070,398; Aug. 19; Gaz. vol. 193; p. 521.
- Gas compressor and pump. A. J. West. No. 1,052,541; Feb. 11; Gaz. vol. 187; p. 270.
- Gas-condenser. C. R. Miller. No. 1,071,648; Aug. 26; Gaz. vol. 193; p. 973.
- Gas condenser, Ammonia-. J. Dwyer. No. 1,073,746; Sept. 23; Gaz. vol. 194; p. 809.
- Gas-control cock. J. and W. Eyer. No. 1,052,471; Feb. 11; Gaz. vol. 187; p. 247.
- Gas-controller, Safety. S. L. Neely and W. A. Mineo. No. 1,074,132; Sept. 30; Gaz. vol. 194; p. 967.
- Gas-controlling device. J. J. Daley. No. 1,056,887; Mar. 25; Gaz. vol. 188; p. 856.
- Gas-cooler. G. Eschellmann and A. Harmuth. No. 1,078,841; Nov. 18; Gaz. vol. 196; p. 616.
- Gas-currents, Apparatus for trapping particles in suspension in. T. E. Murray and C. B. Grady. No. 1,064,984; June 17; Gaz. vol. 191; p. 686.
- Gas-currents, Device for trapping particles in suspension in. T. E. Murray. No. 1,073,621; Sept. 23; Gaz. vol. 194; p. 763.
- Gas-currents, Trapping particles in suspension in. T. E. Murray and C. B. Grady. No. 1,073,620; Sept. 23; Gaz. vol. 194; p. 763.
- Gas-currents, Trapping solid particles in suspension in. T. E. Murray and C. B. Grady. No. 1,073,622; Sept. 23; Gaz. vol. 194; p. 764.
- Gas cut-off. A. Runnion. No. 1,055,803; Mar. 11; Gaz. vol. 188; p. 422.
- Gas cut-off. E. T. Thayer, Jr. No. 1,080,389; Dec. 2; Gaz. vol. 197; p. 168.
- Gas cut-off, Automatic. M. L. Grove. No. 1,050,646; Jan. 14; Gaz. vol. 186; p. 486.
- Gas cut-off, Automatic. C. R. Lott. No. 1,067,434; July 15; Gaz. vol. 192; p. 594.
- Gas-engine. C. B. King. No. 1,051,418; Jan. 28; Gaz. vol. 186; p. 818.
- Gas-engine. E. P. Dawson. No. 1,056,510; Mar. 18; Gaz. vol. 188; p. 698.
- Gas-engine. S. J. Webb. No. 1,062,999; May 27; Gaz. vol. 190; p. 940.
- Gas-engine. G. E. McElroy. No. 1,063,368; June 3; Gaz. vol. 191; p. 67.
- Gas-engine. E. Gray. No. 1,065,311; June 17; Gaz. vol. 191; p. 794.
- Gas-engine. G. T. Hanchett. No. 1,065,523; June 24; Gaz. vol. 191; p. 904.
- Gas-engine. H. D. Church. No. 1,066,887; July 8; Gaz. vol. 192; p. 371.
- Gas-engine. L. Illmer, Jr. No. 1,069,785; Aug. 12; Gaz. vol. 193; p. 269.
- Gas-engine. A. F. Parks. No. 1,070,521; Aug. 19; Gaz. vol. 193; p. 564.
- Gas-engine. E. F. Prall. No. 1,071,342; Aug. 26; Gaz. vol. 193; p. 871.
- Gas-engine. C. E. Sargent. No. 1,072,366; Sept. 2; Gaz. vol. 194; p. 236.
- Gas-engine. E. E. Slick. No. 1,076,846; Oct. 28; Gaz. vol. 195; p. 889.
- Gas-engine. G. D. Eighmie. No. 1,076,877; Oct. 28; Gaz. vol. 195; p. 901.
- Gas-engine. L. Illmer, Jr. No. 1,078,286; Nov. 11; Gaz. vol. 196; p. 391.
- Gas-engine. A. A. Paysen. No. 1,081,252; Dec. 9; Gaz. vol. 197; p. 489.
- Gas-engine. B. M. Aslakson. No. 1,081,480; Dec. 16; Gaz. vol. 197; p. 604.
- Gas-engine. W. A. Tift. No. 1,082,569; Dec. 30; Gaz. vol. 197; p. 1034.
- Gas-engine, Double-ended. O. Hardy. No. 1,067,334; July 15; Gaz. vol. 192; p. 561.
- Gas-engine, Reversing. J. and A. Barrett. No. 1,065,860; June 24; Gaz. vol. 191; p. 1018.
- Gas-engine, Rotary. M. Auensen. No. 1,069,516; Aug. 5; Gaz. vol. 193; p. 148.
- Gas-engine, Rotary. W. F. Stern. No. 1,077,314; Nov. 4; Gaz. vol. 196; p. 25.
- Gas-engine-starter valve. G. R. Holliger. No. 1,080,218; Dec. 2; Gaz. vol. 197; p. 105.
- Gas-engine, Two-cycle. C. S. Blose. No. 1,073,086; Sept. 16; Gaz. vol. 194; p. 556.
- Gas-fired shaft-kiln, Producer-. E. Schmatolla. No. 1,068,175; July 22; Gaz. vol. 192; p. 877.
- Gas-fitting, Detachable. R. Behr. No. 1,074,100; Sept. 30; Gaz. vol. 194; p. 957.
- Gas-fixture. G. Breck. No. 1,049,986; Jan. 7; Gaz. vol. 186; p. 225.
- Gas-fixture attachment. J. Scott. No. 1,055,422; Mar. 11; Gaz. vol. 188; p. 295.
- Gas-flame, Producing a retarded combustion of a. H. L. Doherty. No. 1,069,867; Aug. 12; Gaz. vol. 193; p. 299.
- Gas-flame spreader. E. R. Hodges. No. 1,069,783; Aug. 12; Gaz. vol. 193; p. 269.
- Gas from liquid fuel, Apparatus for making. G. M. S. Tait. No. 1,049,778; Jan. 7; Gaz. vol. 186; p. 157.
- Gas from liquids, Mechanism for separating. G. L. McIntosh. No. 1,055,549; Mar. 11; Gaz. vol. 188; p. 336.
- Gas from sewage, Apparatus for the production of. C. Birault. No. 1,080,808; Dec. 9; Gaz. vol. 197; p. 342.
- Gas-furnace. A. Folliet. No. 1,049,569; Jan. 7; Gaz. vol. 186; p. 87.
- Gas-furnace. E. H. Trotter. No. 1,062,521; May 20; Gaz. vol. 190; p. 740.
- Gas-furnace. L. Jacobson. No. 1,063,264; June 3; Gaz. vol. 191; p. 32.
- Gas-furnace. P. A. J. Cousin. No. 1,072,578; Sept. 9; Gaz. vol. 194; p. 340.
- Gas-furnace. A. H. Lewis. No. 1,080,838; Dec. 9; Gaz. vol. 197; p. 354.
- Gas gasoline, Refining natural-. W. O. Snelling. No. 1,056,845; Mar. 25; Gaz. vol. 188; p. 841.
- Gas-generating apparatus. J. M. O'Neill. (Reissue.) No. 13,506; Jan. 7; Gaz. vol. 186; p. 264.

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- Gas-generating apparatus. A. H. Welch. No. 1,051,177; Jan. 21; Gaz. vol. 186; p. 704.
- Gas-generating apparatus. C. L. Heath. No. 1,058,428; Apr. 8; Gaz. vol. 189; p. 401.
- Gas-generating apparatus. G. Osten. No. 1,070,721; Aug. 19; Gaz. vol. 193; p. 631.
- Gas-generating apparatus. C. M. Garland. No. 1,082,117; Dec. 23; Gaz. vol. 197; p. 846.
- Gas, Generating high-pressure oil-. R. Vuilleumier. No. 1,053,074; Feb. 11; Gaz. vol. 187; p. 452.
- Gas-generator. M. Davicion. No. 1,051,314; Jan. 21; Gaz. vol. 186; p. 750.
- Gas-generator. H. Gadermayr. No. 1,061,466; May 13; Gaz. vol. 190; p. 345.
- Gas-generator. W. Gregson. No. 1,061,936; May 13; Gaz. vol. 190; p. 503.
- Gas-generator. C. Rosanz. No. 1,062,301; May 20; Gaz. vol. 190; p. 669.
- Gas-generator. H. W. Jacobs and H. H. Lanning. No. 1,062,712; May 27; Gaz. vol. 190; p. 845.
- Gas-generator. G. Christians. No. 1,070,409; Aug. 19; Gaz. vol. 193; p. 525.
- Gas-generator. J. W. Bodyfield. No. 1,074,042; Sept. 23; Gaz. vol. 194; p. 908.
- Gas-generator. T. H. Armstrong. No. 1,076,401; Oct. 21; Gaz. vol. 195; p. 679.
- Gas-generator. T. H. Armstrong. No. 1,079,091; Nov. 18; Gaz. vol. 196; p. 702.
- Gas-generator. O. H. Ensign. No. 1,079,118; Nov. 18; Gaz. vol. 196; p. 711.
- Gas generator, Acetylene-. J. H. Miner. No. 1,050,158; Jan. 14; Gaz. vol. 186; p. 318.
- Gas generator, Acetylene-. H. W. Laun. No. 1,052,070; Feb. 4; Gaz. vol. 187; p. 78.
- Gas generator, Acetylene-. U. Daubresse. No. 1,052,134; Feb. 4; Gaz. vol. 187; p. 100.
- Gas generator, Acetylene-. C. W. and W. E. Nuss. No. 1,057,765; Apr. 1; Gaz. vol. 189; p. 125.
- Gas generator, Acetylene-. J. F. Williams. No. 1,057,989; Apr. 1; Gaz. vol. 189; p. 202.
- Gas generator, Acetylene-. L. Janowszky. No. 1,058,180; Apr. 8; Gaz. vol. 189; p. 315.
- Gas generator, Acetylene-. W. F. Farmer. No. 1,058,228; Apr. 8; Gaz. vol. 189; p. 330.
- Gas generator, Acetylene-. J. D. Smith. No. 1,059,228; Apr. 15; Gaz. vol. 189; p. 713.
- Gas generator, Acetylene-. G. H. Davis. No. 1,060,670; May 6; Gaz. vol. 190; p. 36.
- Gas generator, Acetylene-. G. H. Davis. No. 1,060,671; May 6; Gaz. vol. 190; p. 36.
- Gas generator, Acetylene-. G. H. Davis. No. 1,061,052; May 6; Gaz. vol. 190; p. 172.
- Gas generator, Acetylene-. W. R. Arndt. No. 1,062,873; May 27; Gaz. vol. 190; p. 898.
- Gas generator, Acetylene-. T. M. Nunn. No. 1,064,987; June 17; Gaz. vol. 191; p. 687.
- Gas generator, Acetylene-. W. Webb. No. 1,067,565; July 15; Gaz. vol. 192; p. 637.
- Gas generator, Acetylene-. C. E. Wood and W. P. Wilson. No. 1,070,091; Aug. 12; Gaz. vol. 193; p. 374.
- Gas generator, Acetylene-. J. L. Richardson. No. 1,070,355; Aug. 12; Gaz. vol. 193; p. 464.
- Gas generator, Acetylene-. J. T. Brewer. No. 1,070,665; Aug. 19; Gaz. vol. 193; p. 613.
- Gas generator, Acetylene-. J. F. Hiser. No. 1,071,233; Aug. 26; Gaz. vol. 193; p. 835.
- Gas generator, Acetylene-. M. G. Bunnell. No. 1,073,070; Sept. 9; Gaz. vol. 194; p. 514.
- Gas generator, Acetylene-. C. H. Long. No. 1,073,767; Sept. 23; Gaz. vol. 194; p. 817.
- Gas generator, Acetylene-. W. Hayne. No. 1,078,046; Nov. 11; Gaz. vol. 196; p. 308.
- Gas generator, Acetylene-. E. M. Rosenbluth. No. 1,079,665; Nov. 25; Gaz. vol. 196; p. 928.
- Gas generator, Acetylene-. C. W. Holm. No. 1,079,766; Nov. 25; Gaz. vol. 196; p. 966.
- Gas generator, Acetylene-. T. G. Allen. No. 1,079,972; Dec. 2; Gaz. vol. 197; p. 18.
- Gas generator and burner, Oil-. A. C. Dale. No. 1,069,860; Aug. 12; Gaz. vol. 193; p. 296.
- Gas generator and compressor. F. D. J. Kaessmann. No. 1,079,011; Nov. 18; Gaz. vol. 196; p. 674.
- Gas-generator for explosive-engines. S. W. Peregrine. No. 1,072,402; Sept. 2; Gaz. vol. 194; p. 249.
- Gas-generator for fumigating apparatus. W. G. Dingle and F. J. Hamilton. No. 1,066,001; July 1; Gaz. vol. 192; p. 34.
- Gas-generator washer, Producer-. P. G. Schmidt and W. W. Gore. No. 1,076,158; Oct. 21; Gaz. vol. 195; p. 594.
- Gas-heated iron. H. Abramson. No. 1,060,572; May 6; Gaz. vol. 190; p. 3.
- Gas-heated iron. H. Abramson. No. 1,073,884; Sept. 23; Gaz. vol. 194; p. 855.
- Gas-heated iron. H. L. Brewer. No. 1,083,238; Dec. 30; Gaz. vol. 197; p. 1259.
- Gas-heater. S. Ash. No. 1,053,695; Feb. 18; Gaz. vol. 187; p. 710.
- Gas-heater. J. T. Reznor. No. 1,063,217; June 3; Gaz. vol. 191; p. 17.
- Gas-heater. G. E. Sharpe. No. 1,072,780; Sept. 9; Gaz. vol. 194; p. 408.
- Gas-heater. W. Collins. No. 1,074,312; Sept. 30; Gaz. vol. 194; p. 1027.
- Gas-heater. C. J. Rhodin. No. 1,082,238; Dec. 23; Gaz. vol. 197; p. 887.
- Gas-heater, Copper-back-reflector. P. M. Bradley. No. 1,051,071; Jan. 21; Gaz. vol. 186; p. 668.
- Gas heating appliance. M. J. Green. No. 1,074,789; Oct. 7; Gaz. vol. 195; p. 69.
- Gas-igniter. R. Kahn. No. 1,066,622; July 8; Gaz. vol. 192; p. 280.
- Gas-igniter. R. Kahn. No. 1,066,623; July 8; Gaz. vol. 192; p. 281.
- Gas-igniter. J. L. Ducharme. No. 1,081,219; Dec. 9; Gaz. vol. 197; p. 477.
- Gas in confinement, Means for the maintenance of. S. E. Bretherton. No. 1,082,797; Dec. 30; Gaz. vol. 197; p. 1115.
- Gas-jet. F. W. Waltz. No. 1,066,349; July 1; Gaz. vol. 192; p. 157.
- Gas-jet, Automatic safety. H. A. Chippendale and M. Kimmell. No. 1,065,777; June 24; Gaz. vol. 191; p. 991.
- Gas-kindling device. A. Wyner, *née* Guttman. No. 1,052,197; Feb. 4; Gaz. vol. 187; p. 123.
- Gas-light burner, Incandescent-. G. Dalén. No. 1,057,943; Apr. 1; Gaz. vol. 189; p. 186.
- Gas-lights, Automatic cut-off for. W. C. Oswalt. No. 1,060,621; May 6; Gaz. vol. 190; p. 20.
- Gas-lighter. J. K. Rush. No. 1,063,392; June 3; Gaz. vol. 191; p. 76.
- Gas-lighter. F. Wagner. No. 1,069,047; July 29; Gaz. vol. 192; p. 1219.
- Gas lighter and extinguisher, Automatic. P. R. Seamon. No. 1,054,461; Feb. 25; Gaz. vol. 187; p. 1007.
- Gas-lighter, Automatic. J. A. Nelson. No. 1,065,961; July 1; Gaz. vol. 192; p. 20.
- Gas-lighter, Automatic. H. Meyer. No. 1,074,728; Oct. 7; Gaz. vol. 195; p. 49.
- Gas-lighter, Electric. J. Y. Parke. No. 1,049,522; Jan. 7; Gaz. vol. 186; p. 68.
- Gas lighting and extinguishing mechanism, Automatic. A. B. Shaw. No. 1,072,998; Sept. 9; Gaz. vol. 194; p. 490.
- Gas-lighting apparatus, Automatic. P. R. Seamon. No. 1,054,719; Mar. 4; Gaz. vol. 188; p. 22.
- Gas-lighting, Burner for incandescent. W. Coventry. No. 1,070,875; Aug. 19; Gaz. vol. 193; p. 681.
- Gas-lighting, Distance. S. Julian. No. 1,054,646; Feb. 25; Gaz. vol. 187; p. 1070.
- Gas-lighting, Manufacture of incandescent mantles for. A. H. Williams. No. 1,057,312; Mar. 25; Gaz. vol. 188; p. 1001.
- Gas-lighting, Method of and means for manufacturing mantles for incandescent. I. Werber. No. 1,077,922; Nov. 4; Gaz. vol. 196; p. 233.
- Gas-lighting valve. C. W. Francis. No. 1,052,232; Feb. 4; Gaz. vol. 187; p. 134.
- Gas-main and the like trap. S. A. Stum. No. 1,082,216; Dec. 23; Gaz. vol. 197; p. 879.
- Gas-mains, &c., Means for temporarily closing. C. Toon. No. 1,066,343; July 1; Gaz. vol. 192; p. 155.
- Gas, Making. W. G. Laird. No. 1,055,334; Mar. 11; Gaz. vol. 188; p. 265.
- Gas, Making. G. J. Weber. No. 1,076,849; Oct. 28; Gaz. vol. 195; p. 890.
- Gas-mantle, Incandescent. E. Ross. No. 1,052,622; Feb. 11; Gaz. vol. 187; p. 298.
- Gas-mantle mica cylinder, Inverted-. A. P. Storrs. No. 1,081,343; Dec. 16; Gaz. vol. 197; p. 558.
- Gas-mantles, Machine for the manufacture of incandescent. J. I. Robin. No. 1,054,620; Feb. 25; Gaz. vol. 187; p. 1061.
- Gas-mantles, Means for attaching and removing. J. Cartwright. No. 1,059,978; Apr. 29; Gaz. vol. 189; p. 1044.
- Gas, Manufacturing. M. W. Murray. No. 1,056,045; Mar. 18; Gaz. vol. 188; p. 538.
- Gas, Manufacturing. C. R. Miller. No. 1,061,861; May 13; Gaz. vol. 190; p. 476.
- Gas, Manufacturing. H. Pettibone. No. 1,063,382; June 3; Gaz. vol. 191; p. 72.
- Gas, Means for the manufacture of carbureted water-. L. D. Carroll. No. 1,055,317; Mar. 11; Gaz. vol. 188; p. 258.
- Gas-measuring instrument of the wet-meter type. H. Aron. No. 1,063,238; June 3; Gaz. vol. 191; p. 24.
- Gas-meter. J. R. Armstrong. No. 1,062,268; May 20; Gaz. vol. 190; p. 657.
- Gas-meter. C. and R. W. Lawson. No. 1,066,023; July 1; Gaz. vol. 192; p. 42.
- Gas-meter connection. M. A. Corbett. No. 1,069,393; Aug. 5; Gaz. vol. 193; p. 107.
- Gas-meter-connection lock. L. R. Quigley. No. 1,067,549; July 15; Gaz. vol. 192; p. 633.
- Gas-meter, Dry. L. B. Gawtry. No. 1,070,679; Aug. 19; Gaz. vol. 193; p. 618.
- Gas-meters and the like, Protective device for. H. Kaufman. No. 1,077,409; Nov. 4; Gaz. vol. 196; p. 60.

Alphabetical list of inventions—Continued.

- Gas mixer and regulator. W. S. Jones. No. 1,078,584; Nov. 11; Gaz. vol. 196; p. 492.
- Gas mixer, Fuel. W. O. Altman. No. 1,053,143; Feb. 18; Gaz. vol. 187; p. 521.
- Gas-mixing burner. E. H. Wight. No. 1,050,756; Jan. 14; Gaz. vol. 186; p. 521.
- Gas-mixing device. F. A. Heath. No. 1,076,634; Oct. 21; Gaz. vol. 195; p. 763.
- Gas-mixture producer. A. P. Brush. No. 1,082,007; Dec. 23; Gaz. vol. 197; p. 809.
- Gas mixtures, Method and apparatus for testing. T. M. Eynon. No. 1,052,412; Feb. 4; Gaz. vol. 187; p. 194.
- Gas-muffle. J. A. Herrick. No. 1,057,832; Apr. 1; Gaz. vol. 189; p. 149.
- Gas or like meter, Prepaid. F. H. Bostock. No. 1,058,716; Apr. 15; Gaz. vol. 189; p. 534.
- Gas or vapor electric apparatus. P. C. Hewitt. No. 1,064,686; June 10; Gaz. vol. 191; p. 554.
- Gas out of petroleum, Apparatus for making combustible. J. T. Davis. No. 1,058,660; Apr. 8; Gaz. vol. 189; p. 478.
- Gas-pipe protective lock. T. H. Young. No. 1,057,609; Apr. 1; Gaz. vol. 189; p. 73.
- Gas plant. C. L. Straub. No. 1,064,107; June 10; Gaz. vol. 191; p. 356.
- Gas-pressor. J. F. M. Patitz. No. 1,061,006; May 6; Gaz. vol. 190; p. 155.
- Gas-pressure governor. A. J. Short. No. 1,057,288; Mar. 25; Gaz. vol. 188; p. 994.
- Gas-pressure regulator. P. Keller. No. 1,063,932; June 3; Gaz. vol. 191; p. 261.
- Gas-producer. W. B. Chapman. No. 1,049,994; Jan. 7; Gaz. vol. 186; p. 228.
- Gas-producer. F. V. Matton. No. 1,053,737; Feb. 18; Gaz. vol. 187; p. 726.
- Gas-producer. W. Hammick. No. 1,060,755; May 6; Gaz. vol. 190; p. 65.
- Gas-producer. W. F. Luick and A. J. Bassett. No. 1,062,721; May 27; Gaz. vol. 190; p. 848.
- Gas-producer. C. M. Garland. No. 1,063,024; May 27; Gaz. vol. 190; p. 948.
- Gas-producer. J. A. Herrick. No. 1,063,540; June 3; Gaz. vol. 191; p. 124.
- Gas-producer. J. H. Hirt. No. 1,064,905; June 17; Gaz. vol. 191; p. 659.
- Gas-producer. J. H. Hirt. No. 1,064,906; June 17; Gaz. vol. 191; p. 660.
- Gas-producer. Q. Moore. No. 1,065,315; June 17; Gaz. vol. 191; p. 795.
- Gas-producer. R. V. Farnham. (Reissue.) No. 13,578; June 17; Gaz. vol. 191; p. 802.
- Gas-producer. H. L. Doherty. No. 1,066,717; July 8; Gaz. vol. 192; p. 314.
- Gas-producer. E. Dor-Delattre. No. 1,072,098; Sept. 2; Gaz. vol. 194; p. 146.
- Gas-producer. H. F. Wallmann. No. 1,072,536; Sept. 9; Gaz. vol. 194; p. 324.
- Gas-producer. J. A. Herrick. No. 1,073,124; Sept. 16; Gaz. vol. 194; p. 568.
- Gas-producer. C. H. T. Alston and P. T. Houston. No. 1,074,032; Sept. 23; Gaz. vol. 194; p. 905.
- Gas-producer. J. A. Herrick. No. 1,075,566; Oct. 14; Gaz. vol. 195; p. 364.
- Gas-producer. J. K. Lyons and J. B. Hardie. No. 1,075,716; Oct. 14; Gaz. vol. 195; p. 415.
- Gas-producer. L. Friedman. No. 1,076,823; Oct. 28; Gaz. vol. 195; p. 882.
- Gas-producer. W. O. Amsler. No. 1,077,578; Nov. 4; Gaz. vol. 196; p. 117.
- Gas-producer. C. M. Garland. No. 1,079,234; Nov. 18; Gaz. vol. 196; p. 750.
- Gas-producer. N. F. Egler. No. 1,083,067; Dec. 30; Gaz. vol. 197; p. 1206.
- Gas-producer for generating rich gases. R. Labanssols. No. 1,068,788; July 29; Gaz. vol. 192; p. 1130.
- Gas producer, Hydrocarbon-. A. Hackett. No. 1,058,966; Apr. 15; Gaz. vol. 189; p. 624.
- Gas-producer plant. C. O. Nordensson. No. 1,066,837; July 8; Gaz. vol. 192; p. 354.
- Gas-producer, Rectangular. R. B. Mildon. No. 1,073,919; Sept. 23; Gaz. vol. 194; p. 867.
- Gas-producer stirrer. J. A. Herrick. No. 1,077,981; Nov. 11; Gaz. vol. 196; p. 286.
- Gas-producer system. G. Akerlund. No. 1,060,807; May 6; Gaz. vol. 190; p. 83.
- Gas-producers and apparatus therefor, Method of regulating generation in. L. C. Chowning. No. 1,066,252; July 1; Gaz. vol. 192; p. 125.
- Gas-producers, Apparatus for regulating the supply of steam to. C. H. T. Alston and P. T. Houston. No. 1,078,480; Nov. 11; Gaz. vol. 196; p. 458.
- Gas-producers, Apparatus for removing ashes from. W. H. Bradley. No. 1,049,561; Jan. 7; Gaz. vol. 186; p. 84.
- Gas-producers, Means for operating. H. E. Longwell. No. 1,070,825; Aug. 19; Gaz. vol. 193; p. 666.
- Gas-producers, Operating. H. L. Doherty. No. 1,069,866; Aug. 12; Gaz. vol. 193; p. 298.
- Gas-producers working with high-pressure blast, Water seal for. A. von Kerpely. No. 1,078,148; Nov. 11; Gaz. vol. 196; p. 343.
- Gas, Producing. J. N. Alsop. No. 1,060,410; Apr. 29; Gaz. vol. 189; p. 1195.
- Gas, Producing. O. H. Ensign. No. 1,064,625; June 10; Gaz. vol. 191; p. 532.
- Gas, Producing. O. H. Ensign. No. 1,064,626; June 10; Gaz. vol. 191; p. 533.
- Gas, Producing. J. J. and F. C. Nix. No. 1,078,304; Nov. 11; Gaz. vol. 196; p. 399.
- Gas-producing apparatus. H. L. Doherty. No. 1,060,171; Apr. 29; Gaz. vol. 189; p. 1108.
- Gas-producing oven. A. Gohmann. No. 1,060,837; May 6; Gaz. vol. 190; p. 94.
- Gas purification, Regenerating iron oxids used in. D. McDonald. No. 1,061,059; May 13; Gaz. vol. 190; p. 476.
- Gas-purifier. C. Flössel. No. 1,053,982; Feb. 25; Gaz. vol. 187; p. 844.
- Gas-purifier curb and holdfast. E. F. Lloyd. No. 1,080,705; Dec. 9; Gaz. vol. 197; p. 304.
- Gas-purifiers, Closure for. E. F. Lloyd. No. 1,073,258; Sept. 16; Gaz. vol. 194; p. 616.
- Gas-purifying apparatus. H. W. Jacobs and H. H. Lanning. No. 1,051,956; Feb. 4; Gaz. vol. 187; p. 38.
- Gas-purifying apparatus. H. W. Jacobs and H. H. Lanning. No. 1,051,957; Feb. 4; Gaz. vol. 187; p. 38.
- Gas-purifying apparatus. H. Buschei. No. 1,071,875; Sept. 2; Gaz. vol. 194; p. 71.
- Gas-purifying apparatus. W. Schwarz. No. 1,076,458; Oct. 21; Gaz. vol. 195; p. 699.
- Gas-purifying material, Treating waste. H. Gouthière and P. Ducancel. No. 1,051,882; Feb. 4; Gaz. vol. 187; p. 11.
- Gas reactions by means of an enlarged electrical discharge, Carrying through chemical. H. Andriessens. No. 1,058,653; Apr. 8; Gaz. vol. 189; p. 475.
- Gas reactions, particularly for the production of oxid of nitrogen in the electric arc, Apparatus for carrying out. W. Kochmann. No. 1,055,331; Mar. 11; Gaz. vol. 188; p. 263.
- Gas-regulating device. P. Keller. No. 1,063,933; June 3; Gaz. vol. 191; p. 262.
- Gas-regulating means. E. J. Goldblatt. No. 1,069,084; July 29; Gaz. vol. 192; p. 1232.
- Gas-regulator. J. R. Ricketts. No. 1,058,102; Apr. 8; Gaz. vol. 189; p. 287.
- Gas-regulator. J. R. Ricketts. No. 1,058,334; Apr. 8; Gaz. vol. 189; p. 368.
- Gas-regulator. J. R. Ricketts. No. 1,058,335; Apr. 8; Gaz. vol. 189; p. 368.
- Gas-regulator. H. M. Caldwell and T. Smith. No. 1,064,609; June 10; Gaz. vol. 191; p. 527.
- Gas-regulator. S. C. Shaffner. No. 1,065,973; July 1; Gaz. vol. 192; p. 25.
- Gas-regulator. C. W. Henson. No. 1,075,354; Oct. 14; Gaz. vol. 195; p. 291.
- Gas-regulator. W. R. Park. (Reissue.) No. 13,631; Oct. 21; Gaz. vol. 195; p. 784.
- Gas-regulator. P. Keller. No. 1,078,625; Nov. 18; Gaz. vol. 196; p. 539.
- Gas-regulator. J. R. Ricketts. No. 1,079,146; Nov. 18; Gaz. vol. 196; p. 721.
- Gas, Removing impurities from coal-. G. H. Hultman. No. 1,073,605; Sept. 23; Gaz. vol. 194; p. 758.
- Gas-retorts, &c., Charging-machine for. J. G. W. Aldridge. No. 1,066,874; July 8; Gaz. vol. 192; p. 366.
- Gas-retorts, Means for heating vertical. H. J. Toogood. No. 1,055,837; Mar. 11; Gaz. vol. 188; p. 434.
- Gas-scrubbing apparatus. E. F. Lloyd. No. 1,073,259; Sept. 16; Gaz. vol. 194; p. 617.
- Gas-supply-apparatus safety device. G. F. Picot. No. 1,078,163; Nov. 11; Gaz. vol. 196; p. 348.
- Gas-supply-controlling means. L. A. Korb. No. 1,079,416; Nov. 25; Gaz. vol. 196; p. 416.
- Gas-synthesizing device. W. Siebert. No. 1,061,786; May 13; Gaz. vol. 190; p. 454.
- Gas system. A. C. Roessler and W. A. Armington. No. 1,055,657; Mar. 11; Gaz. vol. 188; p. 372.
- Gas-testing apparatus. E. Johnson. No. 1,074,795; Oct. 7; Gaz. vol. 195; p. 72.
- Gas to a burner, Device for automatically cutting off the supply of. C. Gordon. No. 1,079,122; Nov. 18; Gaz. vol. 196; p. 713.
- Gas to increase its calorific value, Treating combustible metallurgical furnace-. H. L. Doherty. No. 1,069,865; Aug. 12; Gaz. vol. 193; p. 298.
- Gas-washer. P. G. Schmidt. No. 1,051,016; Jan. 21; Gaz. vol. 186; p. 650.
- Gas-washer. P. G. Schmidt. No. 1,051,017; Jan. 21; Gaz. vol. 186; p. 650.
- Gas-washer. A. H. Lymn. No. 1,081,241; Dec. 9; Gaz. vol. 197; p. 484.
- Gas washing and cooling method and apparatus. E. F. Lloyd. No. 1,081,455; Dec. 16; Gaz. vol. 197; p. 596.
- Gas-washing apparatus. H. E. Theisen. No. 1,052,188; Feb. 4; Gaz. vol. 187; p. 120.
- Gases, Absorbing dilute nitrous. H. Pauling. No. 1,061,630; May 13; Gaz. vol. 190; p. 403.
- Gases and preparing fuel, Apparatus for treating furnace-. B. Loomis. No. 1,066,296; July 1; Gaz. vol. 192; p. 140.

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- Gases and vapors, Apparatus for the electrical treatment of. W. T. Hoofnagle. No. 1,051,810; Jan. 28; Gaz. vol. 186; p. 948.
- Gases and vapors to the action of liquids, Apparatus for treating. C. H. Fowler and E. A. Medley. No. 1,050,013; Jan. 7; Gaz. vol. 186; p. 235.
- Gases, Apparatus for recording the speed of. M. Bouffart. No. 1,050,333; Jan. 14; Gaz. vol. 186; p. 379.
- Gases, Apparatus for separating liquid particles from. A. Spiegel. No. 1,075,736; Oct. 14; Gaz. vol. 195; p. 423.
- Gases, Apparatus for the endothermic reaction of. W. S. Lee. No. 1,051,131; Jan. 21; Gaz. vol. 186; p. 689.
- Gases, Apparatus for the purification of electrolytic. A. E. Knowles. No. 1,067,822; July 22; Gaz. vol. 192; p. 759.
- Gases, Apparatus for the purification of electrolytic. A. E. Knowles. No. 1,073,246; Sept. 16; Gaz. vol. 194; p. 612.
- Gases at high temperatures, Process of and furnace for securing products formed in. C. F. R. von Koch. No. 1,051,120; Jan. 21; Gaz. vol. 186; p. 686.
- Gases, Burning natural and other. B. E. Eldred. No. 1,073,108; Sept. 16; Gaz. vol. 194; p. 564.
- Gases, Composition for purifying. P. J. Granjon. No. 1,074,501; Sept. 30; Gaz. vol. 194; p. 1088.
- Gases containing sulfur dioxide, Purification of. R. Messel. No. 1,078,937; Nov. 18; Gaz. vol. 196; p. 647.
- Gases, Device for detecting suspended matter in. W. W. Strong. No. 1,070,556; Aug. 19; Gaz. vol. 193; p. 577.
- Gases, Device for synthesizing. W. Siebert. No. 1,073,823; Sept. 23; Gaz. vol. 194; p. 834.
- Gases, Device for synthesizing. W. Siebert. No. 1,073,870; Sept. 23; Gaz. vol. 194; p. 850.
- Gases, Device for testing pressure, specific gravity, and volume of. S. C. Shaffner. No. 1,065,974; July 1; Gaz. vol. 192; p. 25.
- Gases, Economic method of obtaining. C. E. Acker. No. 1,050,902; Jan. 21; Gaz. vol. 186; p. 610.
- Gases from liquids, Apparatus for automatically separating. A. C. McLaughlin. No. 1,059,060; Apr. 15; Gaz. vol. 189; p. 656.
- Gases from sulfite-towers, Recovering escaping acid-. J. A. De Cew. No. 1,077,243; Oct. 28; Gaz. vol. 195; p. 1022.
- Gases, Means for separating mixed. W. T. Hoofnagle. No. 1,056,026; Mar. 18; Gaz. vol. 188; p. 531.
- Gases of blast-furnaces and the like, Ejector for the smoking. E. R. S. von Vellebit. No. 1,071,596; Aug. 26; Gaz. vol. 193; p. 955.
- Gases of combustion from Portland-cement, lime, and other kilns, Utilizing the waste. F. Schott. No. 1,064,550; June 10; Gaz. vol. 191; p. 507.
- Gases of fuels, Recovery of by-products from. A. Rottmann. No. 1,061,949; May 13; Gaz. vol. 190; p. 507.
- Gases, Producer of inert. H. von Eicken. No. 1,066,391; July 1; Gaz. vol. 192; p. 170.
- Gases, Recovering nitrous vapors or oxids of nitrogen diluted in indifferent. P. A. Guye. No. 1,057,052; Mar. 25; Gaz. vol. 188; p. 915.
- Gases, Separating materials from. W. J. Baldwin. No. 1,057,613; Apr. 1; Gaz. vol. 189; p. 74.
- Gases, Separating mixed liquefied. A. C. Morrison. No. 1,056,043; Mar. 18; Gaz. vol. 188; p. 537.
- Gases, Separator for mechanical mixtures of. J. L. Black. No. 1,061,656; May 13; Gaz. vol. 190; p. 412.
- Gases to high temperatures, Method and means for heating. C. F. R. von Koch. No. 1,065,144; June 17; Gaz. vol. 191; p. 738.
- Gases, Treating. C. A. Weeks and R. M. Hunter. No. 1,083,233; Dec. 30; Gaz. vol. 197; p. 1257.
- Gases, Treating coal-. C. G. Tufts. No. 1,073,014; Nov. 11; Gaz. vol. 196; p. 297.
- Gases, Treatment of. H. D. Rankin. No. 1,056,830; Mar. 25; Gaz. vol. 188; p. 836.
- Gases under pressure, Safety relief device for. C. Lightfoot. No. 1,068,675; July 29; Gaz. vol. 192; p. 1090.
- Gaseous-fluid mixer. C. H. Myers. No. 1,075,597; Oct. 14; Gaz. vol. 195; p. 375.
- Gaseous fluids, Removing suspended matter from. H. L. Doherty. No. 1,071,893; Sept. 2; Gaz. vol. 194; p. 78.
- Gaseous fluids, Treating. H. C. Anderson. No. 1,049,796; Jan. 7; Gaz. vol. 186; p. 163.
- Gaseous fuel, Apparatus for the production of. A. W. Southey. No. 1,068,708; July 29; Gaz. vol. 192; p. 1101.
- Gaseous fuel, Burning. C. K. Harding. No. 1,067,983; July 22; Gaz. vol. 192; p. 812.
- Gaseous-fuel mixer. F. E. Bachman. No. 1,061,655; May 13; Gaz. vol. 190; p. 412.
- Gaseous liquids, Closure for receptacles for fermenting. H. Wennersten. No. 1,056,241; Mar. 18; Gaz. vol. 188; p. 605.
- Gaseous mixtures, Apparatus for liquefying. H. Blau. No. 1,074,094; Sept. 23; Gaz. vol. 194; p. 925.
- Gaseous mixtures, Separation of the constituents of. G. Claude. No. 1,068,219; July 22; Gaz. vol. 192; p. 893.
- Gaseous reaction by a silent discharge, Method and apparatus for producing. M. W. Franklin. No. 1,064,064; June 10; Gaz. vol. 191; p. 340.
- Gasolene and other inflammable oil, Apparatus for storing. C. J. French. No. 1,058,956; Apr. 15; Gaz. vol. 189; p. 620.
- Gasolene-burners, Automatic regulator for. F. A. Johnson. No. 1,078,441; Nov. 11; Gaz. vol. 196; p. 446.
- Gasolene-engine. L. L. Meng. No. 1,054,588; Feb. 25; Gaz. vol. 187; p. 1051.
- Gasolene-engine. D. H. Muir. No. 1,055,069; Mar. 4; Gaz. vol. 188; p. 142.
- Gasolene-engine. W. E. Haskell. No. 1,064,476; June 10; Gaz. vol. 191; p. 483.
- Gasolene-engine, Reversible four-cycle. A. B. Baker. No. 1,060,152; Apr. 29; Gaz. vol. 189; p. 1102.
- Gasolene jelly, Making. J. E. Mitchell. No. 1,079,257; Nov. 18; Gaz. vol. 196; p. 757.
- Gasolene-lighting apparatus. A. T. Rochte. No. 1,063,067; May 27; Gaz. vol. 190; p. 962.
- Gasolene, Making. E. W. Tait. No. 1,069,908; Aug. 12; Gaz. vol. 193; p. 312.
- Gasolene, Manufacture of. W. M. Burton. No. 1,049,667; Jan. 7; Gaz. vol. 186; p. 119.
- Gasolene-separator. C. S. Weiss. No. 1,063,754; June 3; Gaz. vol. 191; p. 202.
- Gasolene-supply apparatus. M. A. Martin. No. 1,052,935; Feb. 11; Gaz. vol. 187; p. 406.
- Gasolene-tank. L. F. Goodspeed. No. 1,073,676; Sept. 23; Gaz. vol. 194; p. 784.
- Gasolene-tank alarm device. J. C. Stone. No. 1,072,371; Sept. 2; Gaz. vol. 194; p. 238.
- Gasolene-tank outlet. G. J. Greiner. No. 1,054,533; Feb. 25; Gaz. vol. 187; p. 1031.
- Gasometer. F. J. Mayer. No. 1,062,983; May 27; Gaz. vol. 190; p. 935.
- Gasometer. K. Löhle. No. 1,068,677; July 29; Gaz. vol. 192; p. 1091.
- Gasket. W. B. Haynes. No. 1,050,132; Jan. 14; Gaz. vol. 186; p. 309.
- Gasket. C. S. Parker. No. 1,054,863; Mar. 4; Gaz. vol. 188; p. 73.
- Gasket and retainer therefor. A. E. Hart. No. 1,082,324; Dec. 23; Gaz. vol. 197; p. 919.
- Gasket-cutting apparatus. J. Merritt. No. 1,075,488; Oct. 14; Gaz. vol. 195; p. 338.
- Gate. *See* Adjustable gate; Automatic gate; Bridge-gate; Crossing-gate; Elevator safety-gate; End-gate; Farm-gate; Fence-gate; Flood-gate; Flume-gate; Frameless gate; Head-gate; Locomotive-tender gate; Outlet-gate; Railway-gate; Railway-crossing gate; Roller-mill automatic feed-gate; Slide-gate; Sluice-gate; Tilting gate; Valve-gate; Water-gate; Water-gap gate.
- Gate. J. V. Carlson. No. 1,050,611; Jan. 14; Gaz. vol. 186; p. 476.
- Gate. B. W. Weatherspoon. No. 1,051,654; Jan. 28; Gaz. vol. 186; p. 898.
- Gate. L. Martin. No. 1,051,964; Feb. 4; Gaz. vol. 187; p. 41.
- Gate. C. L. Murray. No. 1,052,266; Feb. 4; Gaz. vol. 187; p. 145.
- Gate. J. R. Wheeler, A. C. Johnson, and J. F. Wheeler. No. 1,053,259; Feb. 18; Gaz. vol. 187; p. 560.
- Gate. L. A. Gibson. No. 1,054,526; Feb. 25; Gaz. vol. 187; p. 1029.
- Gate. G. B. Brace. No. 1,055,866; Mar. 11; Gaz. vol. 188; p. 443.
- Gate. C. Stevens. No. 1,059,916; Apr. 22; Gaz. vol. 189; p. 978.
- Gate. E. W. Hurlbutt. No. 1,060,549; Apr. 29; Gaz. vol. 189; p. 1241.
- Gate. A. O. Quinby. No. 1,060,857; May 6; Gaz. vol. 190; p. 102.
- Gate. J. Carroll. No. 1,061,448; May 13; Gaz. vol. 190; p. 337.
- Gate. W. H. Sommer. No. 1,063,223; June 3; Gaz. vol. 191; p. 18.
- Gate. A. S. Christopher. No. 1,063,328; June 3; Gaz. vol. 191; p. 54.
- Gate. H. H. Bell. No. 1,063,495; June 3; Gaz. vol. 191; p. 110.
- Gate. J. J. Gochenour. No. 1,066,404; July 1; Gaz. vol. 192; p. 174.
- Gate. W. Bruner. No. 1,066,792; July 8; Gaz. vol. 192; p. 340.
- Gate. J. L. Davis. No. 1,068,486; July 29; Gaz. vol. 192; p. 1024.
- Gate. C. H. Matlock. No. 1,069,157; Aug. 5; Gaz. vol. 193; p. 23.
- Gate. W. H. Flagg. No. 1,073,848; Sept. 23; Gaz. vol. 194; p. 842.
- Gate. A. Carter and A. E. Comber. No. 1,074,693; Oct. 7; Gaz. vol. 195; p. 38.
- Gate. M. A. Stickley. No. 1,075,129; Oct. 7; Gaz. vol. 195; p. 186.
- Gate. J. C. Zoll. No. 1,075,890; Oct. 14; Gaz. vol. 195; p. 474.
- Gate. F. J. Marey. No. 1,076,300; Oct. 21; Gaz. vol. 195; p. 643.
- Gate. W. H. and C. E. Gee. No. 1,077,269; Nov. 4; Gaz. vol. 196; p. 9.
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- Gate. C. M. Baker. No. 1,078,236; Nov. 11; Gaz. vol. 196; p. 372.
- Gate. J. J. Akre. No. 1,079,283; Nov. 18; Gaz. vol. 196; p. 765.
- Gate. G. W. Miller. No. 1,081,395; Dec. 16; Gaz. vol. 197; p. 575.
- Gate. N. Early. No. 1,081,819; Dec. 16; Gaz. vol. 197; p. 717.
- Gate attachment. J. Gerst. No. 1,057,955; Apr. 1; Gaz. vol. 189; p. 190.
- Gate-closer. W. J. Wiltse. No. 1,063,151; May 27; Gaz. vol. 190; p. 990.
- Gate-controlling means. A. E. Giles. No. 1,051,729; Jan. 28; Gaz. vol. 188; p. 923.
- Gate-opening device. J. Spence. No. 1,079,449; Nov. 25; Gaz. vol. 196; p. 853.
- Gate-opening mechanism, Automatic. J. McMillan. No. 1,076,139; Oct. 21; Gaz. vol. 195; p. 588.
- Gate-operating means. C. W. Witsil. No. 1,073,552; Sept. 16; Gaz. vol. 194; p. 718.
- Gate-operating mechanism. D. C. Gorrell. No. 1,051,218; Jan. 21; Gaz. vol. 186; p. 717.
- Gate-operating mechanism. J. F. Butler. No. 1,067,640; July 15; Gaz. vol. 192; p. 664.
- Gate-operating mechanism. W. F. Welty. No. 1,071,284; Aug. 26; Gaz. vol. 193; p. 852.
- Gate-operating mechanism. H. and P. E. Condell. No. 1,075,694; Oct. 14; Gaz. vol. 195; p. 408.
- Gate-operating mechanism. L. M. Stone. No. 1,082,050; Dec. 23; Gaz. vol. 197; p. 823.
- Gate-operator. C. E. Anderson and C. C. McKillips. No. 1,066,692; July 8; Gaz. vol. 192; p. 306.
- Gear-case. J. Grady. No. 1,063,676; June 3; Gaz. vol. 191; p. 177.
- Gear-case. J. E. Bales. No. 1,075,808; Oct. 14; Gaz. vol. 195; p. 446.
- Gear, Change-speed. A. T. Collier. No. 1,072,913; Sept. 9; Gaz. vol. 194; p. 459.
- Gear, Compensating. T. H. Latimer. No. 1,055,545; Mar. 11; Gaz. vol. 188; p. 335.
- Gear-cutting machine. T. Fawcus. No. 1,049,350; Jan. 7; Gaz. vol. 186; p. 11.
- Gear-cutting machine. E. J. Lees. No. 1,065,817; June 24; Gaz. vol. 191; p. 1003.
- Gear-cutting machine. E. J. Lees. No. 1,066,509; July 8; Gaz. vol. 192; p. 240.
- Gear-cutting machine. T. Fawcus. No. 1,067,013; July 8; Gaz. vol. 192; p. 413.
- Gear-cutting machine. T. Fawcus. No. 1,067,014; July 8; Gaz. vol. 192; p. 414.
- Gear, Draft. H. T. Krakau. No. 1,052,668; Feb. 11; Gaz. vol. 187; p. 314.
- Gear, Driving and reversing. R. W. and L. H. Bateman. No. 1,063,104; May 27; Gaz. vol. 190; p. 974.
- Gear, Driving and steering. F. B. Heitman. No. 1,056,672; Mar. 18; Gaz. vol. 188; p. 752.
- Gear, Electric reversing. C. Krämer. No. 1,071,522; Aug. 26; Gaz. vol. 193; p. 930.
- Gear, Electrically-operated reversing. K. Brüll. No. 1,080,044; Dec. 2; Gaz. vol. 197; p. 44.
- Gear for hydraulic lifts, Motion-multiplying. J. J. Royle. No. 1,071,466; Aug. 26; Gaz. vol. 193; p. 912.
- Gear for milling and other machines, Transmission. J. Becker. No. 1,082,994; Dec. 30; Gaz. vol. 197; p. 1182.
- Gear, Friction draft. H. C. Priebe. No. 1,063,213; June 3; Gaz. vol. 191; p. 15.
- Gear, Friction draft. H. C. Priebe. No. 1,082,098; Dec. 23; Gaz. vol. 197; p. 840.
- Gear, Gapped. H. Bertram. No. 1,055,508; Mar. 11; Gaz. vol. 188; p. 324.
- Gear-generating machine. K. Hoepfner. No. 1,054,846; Mar. 4; Gaz. vol. 188; p. 67.
- Gear-generator. E. J. Lees. No. 1,071,163; Aug. 26; Gaz. vol. 193; p. 811.
- Gear-generator. E. J. Lees. No. 1,081,971; Dec. 23; Gaz. vol. 197; p. 796.
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- Gear mechanism, Change. G. Fornaca. No. 1,051,993; Feb. 4; Gaz. vol. 187; p. 50.
- Gear mechanism, Change. W. Schellenbach. No. 1,067,142; July 8; Gaz. vol. 192; p. 457.
- Gear mechanism, Differential. H. C. Hart. No. 1,053,727; Feb. 18; Gaz. vol. 187; p. 723.
- Gear mechanism, Intermittent. L. J. R. Holst. No. 1,074,362; Sept. 30; Gaz. vol. 194; p. 1043.
- Gear-shift-lever device. P. W. Brubaker. No. 1,057,524; Apr. 1; Gaz. vol. 189; p. 44.
- Gear-shifting, Lever mechanism for. C. W. Gerhart. No. 1,076,206; Oct. 21; Gaz. vol. 195; p. 610.
- Gear-shifting mechanism, Transmission. A. P. Brush. No. 1,057,617; Apr. 1; Gaz. vol. 189; p. 75.
- Gear, Slip. J. M. Keller. No. 1,067,034; July 8; Gaz. vol. 192; p. 420.
- Gear transmission, Hydraulic variable. A. Sundh. No. 1,058,271; Apr. 8; Gaz. vol. 189; p. 345.
- Gear-truing machine. D. C. Cookingham and J. H. Herten. No. 1,058,353; Apr. 8; Gaz. vol. 189; p. 375.
- Gear, Variable. T. Foster. No. 1,079,044; Nov. 18; Gaz. vol. 196; p. 686.
- Gear, Variable-speed. W. and W. A. Church-Smith. No. 1,069,227; Aug. 5; Gaz. vol. 193; p. 49.
- Gear, Variable-speed. J. J. Myers. No. 1,077,424; Nov. 4; Gaz. vol. 196; p. 65.
- Gear, Variable-speed. J. Yocom. No. 1,078,398; Nov. 11; Gaz. vol. 196; p. 432.
- Gear-wheel. J. Miller. No. 1,061,770; May 13; Gaz. vol. 190; p. 449.
- Gear-wheel. G. B. Owen. No. 1,080,160; Dec. 2; Gaz. vol. 197; p. 84.
- Gear-wheel. A. S. Finch. No. 1,081,104; Dec. 9; Gaz. vol. 197; p. 438.
- Gear-wheel detachable teeth. E. Weist. No. 1,081,996; Dec. 23; Gaz. vol. 197; p. 804.
- Gears, Mechanism to prevent the stripping of transmission. H. M. Thoreson. No. 1,081,067; Dec. 9; Gaz. vol. 197; p. 427.
- Gearing. W. B. Johnson. No. 1,050,769; Jan. 14; Gaz. vol. 186; p. 526.
- Gearing. C. E. A. Esse and G. W. Watson. No. 1,051,990; Feb. 4; Gaz. vol. 187; p. 49.
- Gearing. W. A. Greaves. No. 1,052,242; Feb. 4; Gaz. vol. 187; p. 138.
- Gearing. A. Wahle. No. 1,052,776; Feb. 11; Gaz. vol. 187; p. 349.
- Gearing. P. Lord. No. 1,053,099; Feb. 11; Gaz. vol. 187; p. 462.
- Gearing. A. Mill. No. 1,053,625; Feb. 18; Gaz. vol. 187; p. 686.
- Gearing. O. D. Alspach. No. 1,053,692; Feb. 18; Gaz. vol. 187; p. 709.
- Gearing. A. Plagman. No. 1,053,868; Feb. 18; Gaz. vol. 187; p. 768.
- Gearing. T. J. Gray. No. 1,053,909; Feb. 18; Gaz. vol. 187; p. 781.
- Gearing. J. J. Grant. No. 1,053,984; Feb. 25; Gaz. vol. 187; p. 844.
- Gearing. T. A. Maxwell. No. 1,054,703; Mar. 4; Gaz. vol. 188; p. 16.
- Gearing. J. T. Walston. No. 1,055,105; Mar. 4; Gaz. vol. 188; p. 153.
- Gearing. E. W. F. Herrmann. No. 1,057,963; Apr. 1; Gaz. vol. 189; p. 193.
- Gearing. G. Torday. No. 1,058,275; Apr. 8; Gaz. vol. 189; p. 346.
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- Gearing. F. W. Fischer. No. 1,060,330; Apr. 29; Gaz. vol. 189; p. 1165.
- Gearing. W. L. Schellenbach. (Reissue.) No. 13,560; Apr. 29; Gaz. vol. 189; p. 1250.
- Gearing. W. C. Burgum. No. 1,060,814; May 6; Gaz. vol. 190; p. 85.
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- Gearing. H. U. Prindle. No. 1,064,930; June 17; Gaz. vol. 191; p. 667.
- Gearing. H. Angebrandt, Jr. No. 1,065,763; June 24; Gaz. vol. 191; p. 986.
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- Gearing. W. W. Winger. No. 1,070,761; Aug. 19; Gaz. vol. 193; p. 645.
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- Gearing. S. P. Watt. No. 1,072,538; Sept. 9; Gaz. vol. 194; p. 325.
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- Gearing. W. B. Wolff. No. 1,075,888; Oct. 14; Gaz. vol. 195; p. 473.
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- Gearing. H. A. Tuttle. No. 1,078,565; Nov. 11; Gaz. vol. 196; p. 485.
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- Gearing. C. G. Curtis. No. 1,078,837; Nov. 18; Gaz. vol. 196; p. 614.
- Gearing. V. G. Apple. No. 1,079,090; Nov. 18; Gaz. vol. 196; p. 701.
- Gearing. J. D. Graffing. No. 1,079,701; Nov. 25; Gaz. vol. 196; p. 941.
- Gearing. C. J. Marth. No. 1,080,151; Dec. 2; Gaz. vol. 197; p. 82.
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- Gearing. K. C. Likness. No. 1,082,349; Dec. 23; Gaz. vol. 197; p. 928.
- Gearing. Alternating rotary. A. S. Lemay. No. 1,077,354; Nov. 4; Gaz. vol. 196; p. 39.
- Gearing. Automatic change-speed. C. G. Hall. No. 1,054,346; Feb. 25; Gaz. vol. 187; p. 968.
- Gearing. Change-speed. F. J. Damaizin and J. Pujos. No. 1,050,522; Jan. 14; Gaz. vol. 186; p. 446.
- Gearing. Change-speed. L. A. Peterson. No. 1,051,255; Jan. 21; Gaz. vol. 186; p. 729.
- Gearing. Change-speed. M. Olsen. No. 1,055,944; Mar. 11; Gaz. vol. 188; p. 469.
- Gearing. Change-speed. J. A. Leland. No. 1,063,984; June 10; Gaz. vol. 191; p. 312.
- Gearing. Change-speed. H. A. Ryther. No. 1,064,012; June 10; Gaz. vol. 191; p. 323.
- Gearing. Change-speed. F. E. Sperry. No. 1,070,634; Aug. 19; Gaz. vol. 193; p. 602.
- Gearing. Combined friction and spur. A. Sundh. No. 1,060,865; May 6; Gaz. vol. 190; p. 104.
- Gearing-controlling mechanism, Transmission-. B. Center. No. 1,054,337; Feb. 25; Gaz. vol. 187; p. 965.
- Gearing. Differential. H. W. Alden. No. 1,063,001; May 27; Gaz. vol. 190; p. 940.
- Gearing. Elastic coupling for motor-. I. Koechlin. No. 1,072,622; Sept. 9; Gaz. vol. 194; p. 354.
- Gearing for drills, Safety-. J. O. Foster. No. 1,080,334; Dec. 2; Gaz. vol. 197; p. 145.
- Gearing for motor-vehicles. W. C. Price. No. 1,072,165; Sept. 2; Gaz. vol. 194; p. 170.
- Gearing for motor-vehicles, Change-speed. W. T. Lord. No. 1,049,883; Jan. 7; Gaz. vol. 186; p. 191.
- Gearing for stretchers. S. A. Ulrich. No. 1,080,503; Dec. 2; Gaz. vol. 197; p. 204.
- Gearing. Four-speed planet-. F. Winkler. No. 1,058,510; Apr. 8; Gaz. vol. 189; p. 428.
- Gearing. Friction-. A. Jensen and P. Nielsen. No. 1,058,981; Apr. 15; Gaz. vol. 189; p. 629.
- Gearing. Friction-. C. N. Whipple. No. 1,081,799; Dec. 16; Gaz. vol. 197; p. 709.
- Gearing mechanism. H. F. Snyder. No. 1,072,188; Sept. 2; Gaz. vol. 194; p. 177.
- Gearing. Multispeed-transmission. A. Burkhardt. No. 1,070,228; Aug. 12; Gaz. vol. 193; p. 422.
- Gearing. Power-transmission. V. G. Apple. No. 1,051,055; Jan. 21; Gaz. vol. 186; p. 663.
- Gearing. Power-transmission. R. D. Sweeney. No. 1,058,921; Apr. 15; Gaz. vol. 189; p. 608.
- Gearing. Power-transmission. E. Upton. No. 1,059,788; Apr. 22; Gaz. vol. 189; p. 938.
- Gearing. Ratchet-. J. T. Barber. No. 1,057,027; Mar. 25; Gaz. vol. 188; p. 905.
- Gearing. Reduction-. G. Duffing. No. 1,070,589; Aug. 19; Gaz. vol. 193; p. 588.
- Gearing. Reversible. E. W. Harriman. No. 1,057,641; Apr. 1; Gaz. vol. 189; p. 83.
- Gearing. Reversible. R. H. Johnson. No. 1,062,469; May 20; Gaz. vol. 190; p. 723.
- Gearing. Reversible friction-. J. A. Weber. No. 1,063,231; June 3; Gaz. vol. 191; p. 22.
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- Gearing. Reversing-. F. P. Soprunoff. No. 1,073,448; Sept. 16; Gaz. vol. 194; p. 683.
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- Gearing. Speed-changing. W. T. James. No. 1,064,736; June 17; Gaz. vol. 191; p. 606.
- Gearing. Speed changing, reversing, and braking. E. Halma. No. 1,049,577; Jan. 7; Gaz. vol. 186; p. 90.
- Gearing. Sprocket-. J. W. Houston. No. 1,055,912; Mar. 11; Gaz. vol. 188; p. 458.
- Gearing. Sprocket-. G. M. Webster. No. 1,056,240; Mar. 18; Gaz. vol. 188; p. 605.
- Gearing. Transmission-. H. W. Friedel and H. J. Lutz. No. 1,049,840; Jan. 7; Gaz. vol. 186; p. 177.
- Gearing. Transmission-. J. C. Sparks. No. 1,050,704; Jan. 14; Gaz. vol. 186; p. 504.
- Gearing. Transmission-. N. L. and H. Nilson. No. 1,050,988; Jan. 21; Gaz. vol. 186; p. 640.
- Gearing. Transmission-. T. Brown. No. 1,052,883; Feb. 11; Gaz. vol. 187; p. 386.
- Gearing. Transmission-. J. C. Sparks. No. 1,055,677; Mar. 11; Gaz. vol. 188; p. 379.
- Gearing. Transmission-. J. R. Ricketts. No. 1,057,775; Apr. 1; Gaz. vol. 189; p. 129.
- Gearing. Transmission-. J. H. Naumann. No. 1,061,554; May 13; Gaz. vol. 190; p. 377.
- Gearing. Transmission-. H. Werner. No. 1,061,711; May 13; Gaz. vol. 190; p. 432.
- Gearing. Transmission-. F. Devès. No. 1,064,889; June 17; Gaz. vol. 191; p. 655.
- Gearing. Transmission-. A. N. Adams. No. 1,065,996; July 1; Gaz. vol. 192; p. 33.
- Gearing. Transmission-. G. F. Haines. No. 1,069,004; July 29; Gaz. vol. 192; p. 1203.
- Gearing. Transmission-. E. H. Schofield. No. 1,071,804; Sept. 2; Gaz. vol. 194; p. 48.
- Gearing. Transmission-. P. L. Johnson and F. J. S. Kilgour. No. 1,072,237; Sept. 2; Gaz. vol. 194; p. 192.
- Gearing. Transmission-. G. W. Bulley. No. 1,075,328; Oct. 14; Gaz. vol. 195; p. 281.
- Gearing. Transmission-. R. Huff. No. 1,075,650; Oct. 14; Gaz. vol. 195; p. 394.
- Gearing. Transmission-. W. D. Arnsburger. No. 1,079,463; Nov. 25; Gaz. vol. 196; p. 858.
- Gearing. Transmission-. J. F. Davis and R. L. Ford. No. 1,079,747; Nov. 25; Gaz. vol. 196; p. 959.
- Gearing. Transmission-. J. Chalmers. No. 1,081,092; Dec. 9; Gaz. vol. 197; p. 434.
- Gearing. Transmission-. E. L. Jones and C. H. Roth. No. 1,082,028; Dec. 23; Gaz. vol. 197; p. 816.
- Gearing. Transmission-. K. Probst. No. 1,082,907; Dec. 30; Gaz. vol. 197; p. 1154.
- Gearing. Transmission speed-reducing. A. King. No. 1,061,677; May 13; Gaz. vol. 190; p. 420.
- Gearing. Variable-speed. G. A. McCleary. No. 1,051,343; Jan. 21; Gaz. vol. 186; p. 759.
- Gearing. Variable-speed. M. Saunders. No. 1,065,553; June 24; Gaz. vol. 191; p. 914.
- Gearing. Variable-speed. G. W. Smith. No. 1,066,764; July 8; Gaz. vol. 192; p. 331.
- Gearing. Variable-speed. W. S. Harley. No. 1,070,462; Aug. 19; Gaz. vol. 193; p. 544.
- Gearing. Variable-speed. W. S. Kindle and A. L. Plush. No. 1,072,407; Sept. 2; Gaz. vol. 194; p. 251.
- Gearing. Variable-speed. R. H. Gerard. No. 1,079,852; Nov. 25; Gaz. vol. 196; p. 995.
- Gearing. Variable-speed. W. H. Raven. No. 1,081,062; Dec. 9; Gaz. vol. 197; p. 425.
- Gearing. Variable-speed. F. D. Green. No. 1,081,954; Dec. 23; Gaz. vol. 197; p. 789.
- Gearing. Variable-speed and free-engine. W. R. Blaxley and W. C. Pinson. No. 1,070,004; Aug. 12; Gaz. vol. 193; p. 345.
- Gearing. Variable-speed friction-. E. P. Cowles. No. 1,067,408; July 15; Gaz. vol. 192; p. 585.
- Gearing. Variable-speed-transmission. J. O. Michaud. No. 1,073,775; Sept. 23; Gaz. vol. 194; p. 819.
- Gearing. Variable-speed-transmission. A. H. Cooke. No. 1,077,454; Nov. 4; Gaz. vol. 196; p. 76.
- Gearing. Worm-. C. H. Myers. No. 1,060,933; May 6; Gaz. vol. 190; p. 128.
- Gem-setting. M. C. Meyer. No. 1,064,152; June 10; Gaz. vol. 191; p. 371.
- Gem-setting. H. C. Schuetz. No. 1,079,924; Nov. 25; Gaz. vol. 196; p. 1021.
- Gem-settings, Manufacture of. F. E. Farnham. No. 1,050,935; Jan. 21; Gaz. vol. 186; p. 622.
- Generator. See Acetylene-generator; Ammonia-generator; Coke-oven steam-generator; Current-generator; Electric generator; Electric-current generator; Electrical generator; Electrogalvanic generator; Gas-generator; Gas and steam generator; Gear-generator; Ignition-generator; Inductor-generator; Magneto-generator; Oxygen-generator; Ozone-generator; Power-generator; Steam-generator; Thermal generator; Turbine-generator; Vapor-generator.
- Generator. E. Anderson. No. 1,051,363; Jan. 21; Gaz. vol. 186; p. 765.
- Generator-box for vapor lighting systems. J. H. Zimmer. No. 1,063,634; June 3; Gaz. vol. 191; p. 160.
- Generator, converter, and alternate-current motor. V. A. Fynn. No. 1,068,494; July 29; Gaz. vol. 192; p. 1027.
- Generators, &c., Attachment for combustion-. B. H. Van Auken. No. 1,063,479; June 3; Gaz. vol. 191; p. 104.
- Geographical-position indicator. W. G. Clark. No. 1,077,596; Nov. 4; Gaz. vol. 196; p. 122.
- Giant-stride. O. H. Mason. No. 1,073,918; Sept. 23; Gaz. vol. 194; p. 867.
- Gill-net-shipping apparatus. J. McGaw, Jr. No. 1,051,610; Jan. 28; Gaz. vol. 186; p. 884.
- Gin-saw cleaner. J. P. Young. No. 1,078,399; Nov. 11; Gaz. vol. 196; p. 433.
- Girdle, Bust-. M. V. Stansbury. No. 1,063,399; June 3; Gaz. vol. 191; p. 78.
- Glass. See Gage-glass; Spy-glass.
- Glass articles. Bait for drawing. H. F. Hitner. No. 1,057,056; Mar. 25; Gaz. vol. 188; p. 915.

Alphabetical list of inventions—Continued.

- Glass-beveling machine. G. M. Tremmel. No. 1,049,550; Jan. 7; Gaz. vol. 186; p. 79.
- Glass-blowing machine. V. M. Dorsey. No. 1,052,902; Feb. 11; Gaz. vol. 187; p. 394.
- Glass-blowing machine. J. Rau. No. 1,061,404; May 13; Gaz. vol. 190; p. 324.
- Glass-blowing machine. W. E. Bock. No. 1,063,108; May 27; Gaz. vol. 190; p. 975.
- Glass-blowing machine. J. Rau. No. 1,070,530; Aug. 19; Gaz. vol. 193; p. 567.
- Glass-blowing machine. J. Rau. No. 1,080,168; Dec. 2; Gaz. vol. 197; p. 87.
- Glass-blowing machines. Gather-actuated controller for. O. A. Hanford. No. 1,066,270; July 1; Gaz. vol. 192; p. 131.
- Glass bottles, jars, and the like. Machine for blowing. A. Beberley. No. 1,065,499; June 24; Gaz. vol. 191; p. 896.
- Glass-cleaning liquid. H. Schroer. No. 1,077,860; Nov. 4; Gaz. vol. 196; p. 212.
- Glass, Continuous drawing apparatus for making window. W. W. W. Keyes. No. 1,058,065; Apr. 8; Gaz. vol. 189; p. 273.
- Glass-cutter, Circular. L. C. Moore. No. 1,056,353; Mar. 18; Gaz. vol. 188; p. 640.
- Glass device, Plate. M. A. Ross. No. 1,075,793; Oct. 14; Gaz. vol. 195; p. 441.
- Glass devices, Manufacturing plate. M. A. Ross. No. 1,075,794; Oct. 14; Gaz. vol. 195; p. 442.
- Glass-drawing and take-down apparatus. O. E. Maynard. No. 1,073,613; Sept. 23; Gaz. vol. 194; p. 760.
- Glass-drawing apparatus. W. A. Jones. No. 1,050,544; Jan. 14; Gaz. vol. 186; p. 454.
- Glass-drawing apparatus. W. A. Jones. No. 1,051,001; Feb. 25; Gaz. vol. 187; p. 851.
- Glass-drawing bait. J. E. Milliren. No. 1,075,220; Oct. 7; Gaz. vol. 195; p. 217.
- Glass-drawing machine. E. Hanson. No. 1,052,336; Feb. 4; Gaz. vol. 187; p. 167.
- Glass-etching machine. E. Bell. No. 1,073,586; Sept. 23; Gaz. vol. 194; p. 751.
- Glass-furnace and process. P. L. T. Heroult. No. 1,069,255; Aug. 5; Gaz. vol. 193; p. 60.
- Glass-furnace, Electric. M. Sawvageon. No. 1,062,362; May 20; Gaz. vol. 190; p. 688.
- Glass-furnaces, Means for maintaining a constant working level in. A. L. Day. No. 1,074,167; Sept. 30; Gaz. vol. 194; p. 979.
- Glass grinding and polishing apparatus. Plate. J. W. Cruikshank. No. 1,069,395; Aug. 5; Gaz. vol. 193; p. 108.
- Glass, Grinding and smoothing. W. L. Kann. No. 1,075,107; Oct. 7; Gaz. vol. 195; p. 178.
- Glass-grinding apparatus. J. Allsopp. No. 1,076,012; Oct. 21; Gaz. vol. 195; p. 545.
- Glass-grinding apparatus, Truing mechanism for. R. C. Beatty. No. 1,074,099; Sept. 30; Gaz. vol. 194; p. 957.
- Glass-grinding machine. A. W. Hornig. No. 1,075,714; Oct. 14; Gaz. vol. 195; p. 414.
- Glass grinding or polishing machine. W. L. Kann. No. 1,071,751; Sept. 2; Gaz. vol. 194; p. 28.
- Glass grinding, smoothing, and polishing apparatus, Plate. E. Bagnall. No. 1,069,369; Aug. 5; Gaz. vol. 193; p. 99.
- Glass jar or bottle. E. D. Schmitt. No. 1,049,926; Jan. 7; Gaz. vol. 186; p. 206.
- Glass-machine. L. Steelman. No. 1,078,965; Nov. 18; Gaz. vol. 196; p. 656.
- Glass, Machine for finishing the edges of plate. G. M. Tremmel. No. 1,074,141; Sept. 30; Gaz. vol. 194; p. 970.
- Glass-making apparatus, Wire. C. J. Jungers. No. 1,064,146; June 10; Gaz. vol. 191; p. 369.
- Glass, Making transparent quartz. A. Voelker. No. 1,051,935; Jan. 21; Gaz. vol. 186; p. 656.
- Glass, Making wire. C. J. Jungers. No. 1,062,013; May 20; Gaz. vol. 190; p. 570.
- Glass, Manufacture of sheet. A. M. Mazer. No. 1,069,019; July 29; Gaz. vol. 192; p. 1209.
- Glass, Manufacture of silica. J. F. Bottomley, R. S. Hutton, and R. A. S. Paget. (Reissue.) No. 13,504; Jan. 7; Gaz. vol. 186; p. 262.
- Glass, Manufacturing pots for melting. J. L. Green. No. 1,057,544; Apr. 1; Gaz. vol. 189; p. 50.
- Glass, Method of and apparatus for drawing. R. L. Frink. No. 1,071,727; Sept. 2; Gaz. vol. 194; p. 19.
- Glass reflector-shade. O. A. Mygatt. (Reissue.) No. 13,600; July 22; Gaz. vol. 192; p. 960.
- Glass-running device. J. W. Harding. No. 1,065,682; June 24; Gaz. vol. 191; p. 959.
- Glass shapes, Forming. W. Buttler. No. 1,060,583; May 6; Gaz. vol. 190; p. 7.
- Glass to molds, Feeding molten. L. W. Proeger. No. 1,059,634; Apr. 22; Gaz. vol. 189; p. 886.
- Glassware and the like. W. H. Sharp. No. 1,057,889; Apr. 1; Gaz. vol. 189; p. 169.
- Glassware-handling apparatus. V. Mulholland. No. 1,053,631; Feb. 18; Gaz. vol. 187; p. 688.
- Glassware-handling apparatus. V. Mulholland. No. 1,053,632; Feb. 18; Gaz. vol. 187; p. 688.
- Glassware, Machine for forming hollow. R. Williamson. No. 1,080,742; Dec. 9; Gaz. vol. 197; p. 317.
- Glassware, Machine for making hollow. J. Rau. No. 1,066,654; July 8; Gaz. vol. 192; p. 291.
- Glassware-making apparatus. L. W. Proeger. No. 1,056,579; Mar. 18; Gaz. vol. 188; p. 721.
- Glassware, Making hollow. J. Rau. No. 1,061,405; May 13; Gaz. vol. 190; p. 324.
- Glassware to leers, Apparatus for transferring. V. Mulholland. No. 1,058,193; Apr. 8; Gaz. vol. 189; p. 319.
- Glazed refractory article. A. T. Malm. No. 1,081,542; Dec. 16; Gaz. vol. 197; p. 626.
- Glazier's joint. N. H. Cederquist. No. 1,062,818; May 27; Gaz. vol. 190; p. 880.
- Glazier's point. R. E. Humbert. No. 1,060,567; Apr. 29; Gaz. vol. 189; p. 1247.
- Glazing-bar and the like. H. C. Lassam and T. M. Thom. No. 1,069,886; Aug. 12; Gaz. vol. 193; p. 305.
- Glazing-bars, Apparatus for grooving the wooden members of. C. H. Freeman and S. R. Parkes. No. 1,052,908; Feb. 11; Gaz. vol. 187; p. 396.
- Glazing, Greenhouse. F. Van Assche. No. 1,068,287; July 22; Gaz. vol. 192; p. 918.
- Glazing windows and the like and device therefor. H. D. Hope. No. 1,077,074; Oct. 28; Gaz. vol. 195; p. 969.
- Glider. C. H. Koenig. No. 1,067,039; July 8; Gaz. vol. 192; p. 421.
- Gliding switch for overhead monorail tramways. S. H. Libby. No. 1,078,051; Nov. 11; Gaz. vol. 196; p. 310.
- Globe and shade holder. W. C. Homan. No. 1,074,719; Oct. 7; Gaz. vol. 195; p. 46.
- Globe, Geographical. B. J. S. Cahill. No. 1,081,207; Dec. 9; Gaz. vol. 197; p. 473.
- Globe-holder. E. E. Frederick. No. 1,063,673; June 3; Gaz. vol. 191; p. 176.
- Globe-holder. E. E. Frederick. No. 1,064,895; June 17; Gaz. vol. 191; p. 657.
- Globe-holder. J. Kirby, Jr. No. 1,069,882; Aug. 12; Gaz. vol. 193; p. 304.
- Globe-support. F. Van Gelderen. No. 1,071,537; Aug. 26; Gaz. vol. 193; p. 935.
- Globe-supporting device. I. R. Rehm. No. 1,050,846; Jan. 21; Gaz. vol. 186; p. 589.
- Glove. C. E. and R. G. Chaddock. (Reissue.) No. 13,524; Feb. 11; Gaz. vol. 187; p. 477.
- Glove. A. Charney. No. 1,069,110; Aug. 5; Gaz. vol. 193; p. 7.
- Glove. E. T. Baskin. No. 1,072,560; Sept. 9; Gaz. vol. 194; p. 333.
- Glove. H. G. Hartmann. No. 1,079,647; Nov. 25; Gaz. vol. 196; p. 922.
- Glove. E. Dacorsi. No. 1,080,813; Dec. 9; Gaz. vol. 197; p. 345.
- Glove and mitt, Base-ball. C. M. King. No. 1,056,909; Mar. 25; Gaz. vol. 188; p. 864.
- Glove and mitt, Base-ball. C. M. King. No. 1,072,012; Sept. 2; Gaz. vol. 194; p. 118.
- Glove, Armored. A. F. Torrance. No. 1,055,838; Mar. 11; Gaz. vol. 188; p. 435.
- Glove, Ball-player's. J. S. Cameron. No. 1,072,697; Sept. 9; Gaz. vol. 194; p. 380.
- Glove, Base-ball. J. Gamble. No. 1,077,061; Oct. 28; Gaz. vol. 195; p. 965.
- Glove, Boxing. D. J. Kennedy. No. 1,057,848; Apr. 1; Gaz. vol. 189; p. 156.
- Glove-fingers, Hood for. R. N. Carson. No. 1,074,351; Sept. 30; Gaz. vol. 194; p. 1040.
- Glove, Pneumatically-padded boxing. A. Dunn. No. 1,054,832; Mar. 4; Gaz. vol. 188; p. 62.
- Glove shaping and setting device. A. B. Tozer. No. 1,079,730; Nov. 25; Gaz. vol. 196; p. 951.
- Glove, Swimming. H. P. Case. No. 1,049,448; Jan. 7; Gaz. vol. 186; p. 44.
- Gloves, Dry-cleaning machine for. F. Stelter. No. 1,063,841; June 3; Gaz. vol. 191; p. 231.
- Glower-holder. R. Neckerman and O. Foell. No. 1,067,264; July 15; Gaz. vol. 192; p. 536.
- Glue dissolver and retainer. H. Angebrandt, Jr. No. 1,055,506; Mar. 11; Gaz. vol. 188; p. 324.
- Glue, Making. F. G. Perkins. No. 1,078,692; Nov. 18; Gaz. vol. 196; p. 562.
- Glue or gelatin, Obtaining. G. Upton. No. 1,063,229; June 3; Gaz. vol. 191; p. 21.
- Glue-pot, Electrically-heated. A. C. Hulbert. No. 1,068,343; July 22; Gaz. vol. 192; p. 937.
- Glue, Vegetable. F. G. Perkins. No. 1,078,691; Nov. 18; Gaz. vol. 196; p. 562.
- Gluing and dowel-driving machine. J. R. Frantz. No. 1,080,274; Dec. 2; Gaz. vol. 197; p. 125.
- Gluing-machine. G. J. Dormandy. No. 1,067,867; July 22; Gaz. vol. 192; p. 775.
- Gluing machine, Paper-sheet. W. Kellner. No. 1,058,440; Apr. 8; Gaz. vol. 189; p. 405.
- Glycerin from vinasses, Extracting. G. P. Guignard and H. L. A. M. Watrigant. No. 1,078,580; Nov. 11; Gaz. vol. 196; p. 491.
- Go-cart. A. R. Lamplugh. No. 1,049,372; Jan. 7; Gaz. vol. 186; p. 18.
- Go-cart. A. R. Tupper. No. 1,054,949; Mar. 4; Gaz. vol. 188; p. 100.

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- Go-cart. E. B. Overshiner. No. 1,075,372; Oct. 14; Gaz. vol. 195; p. 297.
- Go-cart, Collapsible. C. D. Watson and C. D. Hayward. No. 1,071,376; Aug. 26; Gaz. vol. 193; p. 883.
- Go-cart, Folding. A. E. McGill. No. 1,053,424; Feb. 18; Gaz. vol. 187; p. 618.
- Go-cart jump-seat. M. M. Daniels. No. 1,062,227; May 20; Gaz. vol. 190; p. 644.
- Go-cart or baby-carriage, Folding. A. E. McGill. No. 1,053,423; Feb. 18; Gaz. vol. 187; p. 617.
- Go-cart or perambulator. A. J. Adams. No. 1,057,314; Mar. 25; Gaz. vol. 188; p. 1002.
- Go-cart spring-mounting. F. H. Headley. No. 1,081,269; Dec. 9; Gaz. vol. 197; p. 495.
- Goffering-press. A. Hentschel. No. 1,070,254; Aug. 12; Gaz. vol. 193; p. 430.
- Goggles. N. M. Baker. No. 1,078,405; Nov. 11; Gaz. vol. 196; p. 435.
- Goggles. G. B. Collier. No. 1,080,893; Dec. 9; Gaz. vol. 197; p. 371.
- Goggles. L. D. Cutler. No. 1,082,480; Dec. 23; Gaz. vol. 197; p. 968.
- Goggles, Automobile. J. U. Barr. No. 1,067,793; July 22; Gaz. vol. 192; p. 749.
- Goggles, Light and sunshade. W. R. Harris. No. 1,060,083; Apr. 29; Gaz. vol. 189; p. 1078.
- Gold and other metals from sand, &c., Apparatus for separating. E. S. Hoyt. No. 1,064,223; June 10; Gaz. vol. 191; p. 396.
- Gold and silver from antimonial, arsenical, and other gold-bearing ores, Recovery of. J. Gitsham. No. 1,068,646; July 29; Gaz. vol. 192; p. 1080.
- Gold-extracting machine. C. R. Dennison. No. 1,077,261; Nov. 4; Gaz. vol. 196; p. 7.
- Gold-leaf substitute. F. Demel. No. 1,076,197; Oct. 21; Gaz. vol. 195; p. 607.
- Gold or silver ores, Apparatus for crushing and amalgamating. W. W. Wright. No. 1,051,795; Jan. 28; Gaz. vol. 186; p. 943.
- Gold-saving machine. R. S. Bassett. No. 1,050,598; Jan. 14; Gaz. vol. 186; p. 472.
- Gold-saving machine. L. C. Dibert. No. 1,071,891; Sept. 2; Gaz. vol. 194; p. 77.
- Gold-separator. J. F. Kellogg. No. 1,070,695; Aug. 19; Gaz. vol. 193; p. 623.
- Gold, silver, and other metal ware, Apparatus for cleaning. J. M. Hotchkiss. No. 1,068,388; July 22; Gaz. vol. 192; p. 952.
- Golf, Appliance for use in playing a game of. S. Clifford. No. 1,063,119; May 27; Gaz. vol. 190; p. 980.
- Golf-club. A. Pringle. No. 1,058,463; Apr. 8; Gaz. vol. 189; p. 412.
- Golf-club. J. L. Kelly and P. L. McArdle. No. 1,064,916; June 17; Gaz. vol. 191; p. 663.
- Golf-club. J. W. Provan. No. 1,071,344; Aug. 26; Gaz. vol. 193; p. 872.
- Golf-club attachment. E. G. Morley. No. 1,075,054; Oct. 7; Gaz. vol. 195; p. 161.
- Golf-flag support. D. Foulis. No. 1,069,776; Aug. 12; Gaz. vol. 193; p. 266.
- Golf-practice machine. P. H. Lynch. No. 1,074,880; Oct. 7; Gaz. vol. 195; p. 99.
- Golf-putting, Device for practising. C. M. Treadwell. No. 1,076,722; Oct. 28; Gaz. vol. 195; p. 846.
- Gong-ringing device. C. C. and E. A. Crewson. No. 1,058,849; Apr. 15; Gaz. vol. 189; p. 582.
- Gong-sounding means, Alarm. G. O'Bryan. No. 1,057,359; Mar. 25; Gaz. vol. 188; p. 1016.
- Gopher-trap. A. F. Renken. No. 1,065,838; June 24; Gaz. vol. 191; p. 1010.
- Governing mechanism. C. R. Waller. No. 1,064,877; June 17; Gaz. vol. 191; p. 651.
- Governing mechanism. K. Dougan. No. 1,071,895; Sept. 2; Gaz. vol. 194; p. 78.
- Governing mechanism for prime movers. E. Cox. No. 1,076,101; Oct. 21; Gaz. vol. 195; p. 575.
- Governor. J. M. Primm. No. 1,057,271; Mar. 25; Gaz. vol. 188; p. 988.
- Governor. R. H. Pyle. No. 1,062,605; May 27; Gaz. vol. 190; p. 811.
- Governor. V. W. Creech. No. 1,066,586; July 8; Gaz. vol. 192; p. 268.
- Governor and pressure-regulator for steam-engines. T. G. Gathright. No. 1,049,695; Jan. 7; Gaz. vol. 186; p. 129.
- Governor and speed-indicator, Centrifugal. P. O. Dorer. No. 1,073,031; Sept. 9; Gaz. vol. 194; p. 500.
- Governor, Centrifugal. B. Krämer. No. 1,063,554; June 3; Gaz. vol. 191; p. 130.
- Governor, Centrifugal. P. A. Peterson. No. 1,064,856; June 17; Gaz. vol. 191; p. 645.
- Governor, Centrifugal. C. Day and G. E. Windeler. No. 1,071,988; Sept. 2; Gaz. vol. 194; p. 109.
- Governor control of steam-engine valves. E. F. Williams. No. 1,069,990; Aug. 12; Gaz. vol. 193; p. 339.
- Governor, Emergency. F. W. Bentley. No. 1,049,802; Jan. 7; Gaz. vol. 186; p. 164.
- Governor, Emergency. J. Wilkinson. No. 1,076,472; Oct. 21; Gaz. vol. 195; p. 704.
- Governor, Engine. J. H. Whiting. No. 1,070,646; Aug. 19; Gaz. vol. 193; p. 606.
- Governor, Explosive-engine. R. B. Ballard. No. 1,060,882; May 6; Gaz. vol. 190; p. 111.
- Governor, Explosive-engine. R. B. Benjamin. No. 1,068,097; July 22; Gaz. vol. 192; p. 851.
- Governor for gas-engines driving alternators in parallel. H. Lemp. No. 1,056,557; Mar. 18; Gaz. vol. 188; p. 714.
- Governor for motor-vehicles, Speed. E. A. Halbleib. No. 1,055,741; Mar. 11; Gaz. vol. 188; p. 400.
- Governor, Gas-engine. H. H. Locke and C. W. Boring. No. 1,059,176; Apr. 15; Gaz. vol. 189; p. 695.
- Governor, Gas-engine. C. White. No. 1,071,193; Aug. 26; Gaz. vol. 193; p. 821.
- Governor, Gas-engine. F. G. Burghoffer. No. 1,072,696; Sept. 9; Gaz. vol. 194; p. 380.
- Governor, Internal-combustion-engine. C. W. Richardson. No. 1,068,008; July 22; Gaz. vol. 192; p. 821.
- Governor mechanism. F. W. Severin. No. 1,074,652; Oct. 7; Gaz. vol. 195; p. 23.
- Governor mechanism, Centrifugal steam-engine. W. M. Faber. No. 1,057,718; Apr. 1; Gaz. vol. 189; p. 110.
- Governor mechanism for explosive-engines. W. R. Prillipp. No. 1,054,985; Mar. 4; Gaz. vol. 188; p. 113.
- Governor mechanism for spring-motors. J. A. Scott. No. 1,054,991; Mar. 4; Gaz. vol. 188; p. 115.
- Governor, Multiple centrifugal. H. A. Weidenbach. No. 1,072,888; Sept. 9; Gaz. vol. 194; p. 449.
- Governor, Pneumatic. B. S. Aikman. No. 1,065,649; June 24; Gaz. vol. 191; p. 947.
- Governor, Power-vehicle. T. Douglas. No. 1,078,337; Nov. 11; Gaz. vol. 196; p. 409.
- Governor, Speed. T. Douglas. No. 1,078,336; Nov. 11; Gaz. vol. 196; p. 409.
- Governors, Antivibration device for centrifugal. N. H. Holland. No. 1,071,744; Sept. 2; Gaz. vol. 194; p. 26.
- Gown, Invalid bed. M. E. Hutchinson. No. 1,080,451; Dec. 2; Gaz. vol. 197; p. 187.
- Gown, Maternity. E. Miles. No. 1,067,537; July 15; Gaz. vol. 192; p. 629.
- Grab and tie-spacer, Combination. W. P. Turner. No. 1,076,615; Oct. 21; Gaz. vol. 195; p. 755.
- Grab-hook. L. P. King. No. 1,064,075; June 10; Gaz. vol. 191; p. 344.
- Grab-irons, Attaching means for. H. U. La Rue. No. 1,071,930; Sept. 2; Gaz. vol. 194; p. 90.
- Grabs, Operating mechanism of single-chain. C. H. F. Burgdorf. No. 1,058,031; Apr. 8; Gaz. vol. 189; p. 261.
- Grader, Double or gang road. W. H. Morenus. S. F. Beatty, and O. E. Moats. No. 1,066,643; July 8; Gaz. vol. 192; p. 287.
- Grader, Road. H. K. Clemons. No. 1,067,308; July 15; Gaz. vol. 192; p. 552.
- Grader, Road. M. J. Phillips. No. 1,079,579; Nov. 25; Gaz. vol. 196; p. 899.
- Graders, Throwing-wheel for. W. J. Ehrsam and L. N. Morscher. No. 1,072,442; Sept. 9; Gaz. vol. 194; p. 292.
- Grading and ditching machine. W. H. Morenus. No. 1,053,203; Feb. 18; Gaz. vol. 187; p. 541.
- Grading and leveling device, Road. E. E. Woodin. No. 1,067,091; July 8; Gaz. vol. 192; p. 438.
- Grading-machine. A. J. and E. E. Akers. No. 1,054,483; Feb. 25; Gaz. vol. 187; p. 1015.
- Grading-machine. R. Waterman. No. 1,060,652; May 6; Gaz. vol. 190; p. 30.
- Grading-machine. C. H. Foley. No. 1,075,774; Oct. 14; Gaz. vol. 195; p. 435.
- Grading, stamping and selecting machine. H. C. Brown. No. 1,081,361; Dec. 16; Gaz. vol. 197; p. 564.
- Gradometer. T. L. Gray. No. 1,052,050; Feb. 4; Gaz. vol. 187; p. 71.
- Gradometer. G. O. Griffith. No. 1,055,902; Mar. 11; Gaz. vol. 188; p. 455.
- Graduating-machine. C. G. Trefethen. No. 1,079,306; Nov. 18; Gaz. vol. 196; p. 773.
- Grafting implement. L. Bruno. No. 1,064,127; June 10; Gaz. vol. 191; p. 362.
- Grain and hay loader. A. B. Melhouse and L. P. Mogstad. No. 1,056,199; Mar. 18; Gaz. vol. 188; p. 590.
- Grain and seed separator. A. G. Paxton. No. 1,054,605; Feb. 25; Gaz. vol. 187; p. 1055.
- Grain, &c., Apparatus for taking samples from. G. Petersen. No. 1,063,725; June 3; Gaz. vol. 191; p. 193.
- Grain barge and stacker, Combined. C. A. and H. H. Robben. No. 1,065,469; June 24; Gaz. vol. 191; p. 886.
- Grain-bin. J. T. Graham. No. 1,065,237; June 17; Gaz. vol. 191; p. 769.
- Grain-binder attachment. J. T. Drysdale. No. 1,071,403; Aug. 26; Gaz. vol. 193; p. 892.
- Grain-binders, Bundle-transfer for. L. Anderson. No. 1,073,066; Sept. 9; Gaz. vol. 194; p. 512.
- Grain-blender. K. Dougan. No. 1,069,771; Aug. 12; Gaz. vol. 193; p. 265.
- Grain-cleaner. C. L. Amen. No. 1,061,971; May 20; Gaz. vol. 190; p. 556.
- Grain cleaner and separator. H. C. Liden. No. 1,053,410; Feb. 18; Gaz. vol. 187; p. 612.

Alphabetical list of inventions—Continued.

- Grain-cleaning machine. J. McDaniel. No. 1,069,453; Aug. 5; Gaz. vol. 193; p. 128.
- Grain-cleaning machine. J. C. Cramer. No. 1,080,423; Dec. 2; Gaz. vol. 197; p. 179.
- Grain-drier. P. Provost. No. 1,074,977; Oct. 7; Gaz. vol. 195; p. 131.
- Grain-driers, Duct-control mechanism for. F. R. Morris. No. 1,072,762; Sept. 9; Gaz. vol. 194; p. 402.
- Grain. Drying. L. J. Dennis. No. 1,058,291; Apr. 8; Gaz. vol. 189; p. 352.
- Grain-drill. C. A. Pattison and L. E. Roby. No. 1,054,235; Feb. 25; Gaz. vol. 187; p. 931.
- Grain-drill. O. G. Rieske. No. 1,061,499; May 13; Gaz. vol. 190; p. 356.
- Grain-drill. E. R. Beeman and T. Brennan, Jr. No. 1,061,517; May 13; Gaz. vol. 190; p. 364.
- Grain-drill. T. Brennan, Jr. No. 1,061,521; May 13; Gaz. vol. 190; p. 365.
- Grain-drill. H. C. Waite. No. 1,073,826; Sept. 23; Gaz. vol. 194; p. 835.
- Grain-drill. C. L. Fowle. No. 1,074,784; Oct. 7; Gaz. vol. 195; p. 68.
- Grain-drill. C. W. Davis. No. 1,082,072; Dec. 23; Gaz. vol. 197; p. 831.
- Grain-drill attachment. M. Copeland. No. 1,064,616; June 10; Gaz. vol. 191; p. 529.
- Grain-drill, Double-disk. W. Elliott, H. M. Loeber, and R. H. Schlachter. No. 1,077,338; Nov. 4; Gaz. vol. 196; p. 34.
- Grain-drill feed mechanism. P. Broman and J. Offerman. No. 1,075,813; Oct. 14; Gaz. vol. 195; p. 448.
- Grain-drills, disk harrows, &c., Scraping and covering attachment for. J. E. Erb. No. 1,051,873; Feb. 4; Gaz. vol. 187; p. 9.
- Grain-elevator. G. W. Nordholm. No. 1,053,431; Feb. 18; Gaz. vol. 187; p. 620.
- Grain-elevator. A. J. Muller. No. 1,058,455; Apr. 8; Gaz. vol. 189; p. 410.
- Grain-elevator, Portable. M. H. Bull. No. 1,068,978; July 29; Gaz. vol. 192; p. 1196.
- Grain for milling, Preparing. J. L. Willford. No. 1,061,933; May 13; Gaz. vol. 190; p. 502.
- Grain in bins, Appliance for distributing. T. Pottinger. No. 1,068,006; July 22; Gaz. vol. 192; p. 821.
- Grain loader and unloader. R. O. Welch. No. 1,067,450; July 15; Gaz. vol. 192; p. 599.
- Grain-purifying apparatus and process. E. H. Reynolds. No. 1,067,342; July 15; Gaz. vol. 192; p. 563.
- Grain-sampler. W. J. H., and D. Grauenfels. No. 1,078,847; Nov. 18; Gaz. vol. 196; p. 617.
- Grain scourer or cleaner. F. Horstmann. No. 1,074,052; Sept. 23; Gaz. vol. 194; p. 911.
- Grain-separating machine. M. Weaver. No. 1,073,451; Sept. 16; Gaz. vol. 194; p. 685.
- Grain-separator. D. W. Stahl. No. 1,051,027; Jan. 21; Gaz. vol. 186; p. 654.
- Grain-separator. R. J. Owens. No. 1,051,157; Jan. 21; Gaz. vol. 186; p. 698.
- Grain-separator. R. J. Owens. No. 1,051,158; Jan. 21; Gaz. vol. 186; p. 698.
- Grain-separator. L. De Vos and A. F. Sanders. No. 1,053,791; Feb. 18; Gaz. vol. 187; p. 743.
- Grain-separator. F. D. Kechley. No. 1,060,457; Apr. 29; Gaz. vol. 189; p. 1209.
- Grain-separator. S. J. Rice. No. 1,075,942; Oct. 14; Gaz. vol. 195; p. 492.
- Grain-separator. O. L. Kleven. No. 1,079,707; Nov. 25; Gaz. vol. 196; p. 943.
- Grain-separator feeder. W. C. Leonard. No. 1,067,355; July 15; Gaz. vol. 192; p. 568.
- Grain-shocker. R. Woods. No. 1,073,456; Sept. 16; Gaz. vol. 194; p. 686.
- Grain-shocking device. W. Doering. No. 1,056,891; Mar. 25; Gaz. vol. 188; p. 857.
- Grain-shocking machine. J. E. Griffith. No. 1,080,438; Dec. 2; Gaz. vol. 197; p. 183.
- Grain-steeping tank. O. Winde. No. 1,061,713; May 13; Gaz. vol. 190; p. 432.
- Grain-stooking machine. H. L. Edge. No. 1,080,270; Dec. 2; Gaz. vol. 197; p. 124.
- Grain-treating device. C. J. Barbeau. No. 1,055,854; Mar. 11; Gaz. vol. 188; p. 439.
- Grain-treating machine. H. Lyng. No. 1,080,069; Dec. 2; Gaz. vol. 197; p. 53.
- Grain unloader and elevator, Automatic. C. F. Wall. No. 1,062,205; May 20; Gaz. vol. 190; p. 636.
- Graining-tool. S. F. Grubb. No. 1,069,249; Aug. 5; Gaz. vol. 193; p. 58.
- Gramophone. G. Meling. No. 1,072,346; Sept. 2; Gaz. vol. 194; p. 228.
- Gramophone-brake. J. Bingham. No. 1,066,246; July 1; Gaz. vol. 192; p. 123.
- Gramophone sound-box. E. De la Rue. No. 1,051,489; Jan. 28; Gaz. vol. 186; p. 843.
- Gramophone sound-box. P. Catucci. No. 1,059,346; Apr. 22; Gaz. vol. 189; p. 790.
- Gramophones, Automatic stop mechanism for. M. A. Possons. No. 1,078,460; Nov. 11; Gaz. vol. 196; p. 452.
- Gramophones, Driving means for. F. G. Hayward. No. 1,057,344; Mar. 25; Gaz. vol. 188; p. 344.
- Grandstand, Folding. M. Paquette. No. 1,067,440; July 15; Gaz. vol. 192; p. 596.
- Granular materials, Apparatus for jarring and pressing. H. Tscherning. No. 1,062,808; May 27; Gaz. vol. 190; p. 876.
- Granulating machine, Forage-. W. L. Monroe. No. 1,061,920; May 13; Gaz. vol. 190; p. 496.
- Grape-picking implement. B. J. Cloes. No. 1,061,661; May 13; Gaz. vol. 190; p. 414.
- Grape-tie holder. J. Shearer. No. 1,061,132; May 6; Gaz. vol. 190; p. 197.
- Graphite from worn-out crucibles, Recovering. A. Teichmann. No. 1,080,085; Dec. 2; Gaz. vol. 197; p. 58.
- Graphite lubricator. L. D. Smith. No. 1,065,180; June 17; Gaz. vol. 191; p. 749.
- Graphophone. T. H. Macdonald. No. 1,054,359; Feb. 25; Gaz. vol. 187; p. 973.
- Graphophone attachment. T. H. Macdonald. No. 1,067,933; July 22; Gaz. vol. 192; p. 795.
- Graphophone, Automatic announcement-. T. H. Macdonald. No. 1,079,419; Nov. 25; Gaz. vol. 196; p. 843.
- Graphophone, Cabineted. T. H. Macdonald. No. 1,071,067; Aug. 26; Gaz. vol. 193; p. 779.
- Graphophone-stop, Automatic. M. H. Baetzner. No. 1,065,578; June 24; Gaz. vol. 191; p. 923.
- Grapple. C. W. Drake. No. 1,056,516; Mar. 18; Gaz. vol. 188; p. 700.
- Grapple or tongs. G. S. Westfield. No. 1,056,478; Mar. 18; Gaz. vol. 188; p. 685.
- Grapple-releasing device. E. B. Williams. No. 1,071,489; Aug. 26; Gaz. vol. 193; p. 920.
- Grass and weed destroyer. J. W. Bodie. No. 1,054,742; Mar. 4; Gaz. vol. 188; p. 30.
- Grass and weed eradicator, Quack-. P. B. Crane. No. 1,063,660; June 3; Gaz. vol. 191; p. 170.
- Grass-catcher. W. Boss. No. 1,076,014; Oct. 21; Gaz. vol. 195; p. 545.
- Grass cutter and trimmer. G. Slatter. No. 1,050,243; Jan. 14; Gaz. vol. 186; p. 346. [Withdrawn.]
- Grass cutter and trimmer. G. Slatter. No. 1,054,320; Feb. 25; Gaz. vol. 187; p. 958.
- Grasshopper-destroyer. H. M. Sieman. No. 1,068,177; July 22; Gaz. vol. 192; p. 878.
- Grate. D. F. Stayman. No. 1,052,625; Feb. 11; Gaz. vol. 187; p. 299.
- Grate. A. W. Wood. No. 1,055,115; Mar. 4; Gaz. vol. 188; p. 155.
- Grate. B. F. Harpel. No. 1,055,906; Mar. 11; Gaz. vol. 188; p. 456.
- Grate. F. W. Harris. No. 1,058,235; Apr. 8; Gaz. vol. 189; p. 332.
- Grate. S. H. Hunt. No. 1,060,683; May 6; Gaz. vol. 190; p. 41.
- Grate. G. M. S. Tait. No. 1,078,071; Nov. 11; Gaz. vol. 196; p. 316.
- Grate. G. E. Camp. No. 1,078,769; Nov. 18; Gaz. vol. 196; p. 591.
- Grate. W. R. Jeavons and A. R. Whittaker. No. 1,079,767; Nov. 25; Gaz. vol. 196; p. 966.
- Grate-bar. D. Dee. No. 1,064,820; June 17; Gaz. vol. 191; p. 633.
- Grate-bar. E. L. Thomas. No. 1,075,874; Oct. 14; Gaz. vol. 195; p. 469.
- Grate-bar. F. Mahony. No. 1,079,252; Nov. 18; Gaz. vol. 196; p. 756.
- Grate-bar. G. S. Sergeant. No. 1,081,780; Dec. 16; Gaz. vol. 197; p. 702.
- Grate, Dumping-. W. W. Lewis. No. 1,082,127; Dec. 23; Gaz. vol. 197; p. 849.
- Grate, Fireplace-. J. P. Hansen. No. 1,071,915; Sept. 2; Gaz. vol. 194; p. 85.
- Grate for heaters. L. J. Mueller, Jr. No. 1,068,002; July 22; Gaz. vol. 192; p. 819.
- Grate for refuse-destructors and other furnaces, Fire-. G. and F. L. Watson. No. 1,050,317; Jan. 14; Gaz. vol. 186; p. 373.
- Grate, Forced-draft. T. Harley and R. G. Long. No. 1,083,094; Dec. 30; Gaz. vol. 197; p. 1215.
- Grate, Shaker-. E. L. Martin. No. 1,052,493; Feb. 11; Gaz. vol. 187; p. 255.
- Grate, Transverse dumping-. O. D. Havard. No. 1,064,904; June 17; Gaz. vol. 191; p. 659.
- Grater, Nutmeg-. G. E. Tornsjö. No. 1,082,918; Dec. 30; Gaz. vol. 197; p. 1157.
- Grater, Vegetable-. F. T. Hoeynek. No. 1,051,499; Jan. 28; Gaz. vol. 186; p. 846.
- Grating device. A. J. C. Schwartz. No. 1,078,558; Nov. 11; Gaz. vol. 196; p. 483.
- Grating, lattice structure, or the like. C. Wellen. No. 1,081,476; Dec. 16; Gaz. vol. 197; p. 603.
- Grating-making machine. G. A. Keller. No. 1,051,119; Jan. 21; Gaz. vol. 186; p. 685.
- Grave-coping. J. L. Noll. No. 1,066,416; July 1; Gaz. vol. 192; p. 178.
- Grave-cover. D. H. Rankin and W. E. Cox. No. 1,053,872; Feb. 18; Gaz. vol. 187; p. 769.
- Grave-filler. H. F. Eggers. No. 1,071,013; Aug. 19; Gaz. vol. 193; p. 726.
- Grave-marker. S. B. Rickords. No. 1,079,147; Nov. 18; Gaz. vol. 196; p. 722.

Alphabetical list of inventions—Continued.

- Grave-mound. W. J. Early. No. 1,065,119; June 17; Gaz. vol. 191; p. 731.
- Grave ornamentation. M. S. Pottenger. No. 1,054,029; Feb. 25; Gaz. vol. 187; p. 860.
- Gravitation. Means of counteracting. A. F. Fells. No. 1,053,368; Feb. 18; Gaz. vol. 187; p. 598.
- Gravity-carrier. W. S. McCurdy. No. 1,077,540; Nov. 4; Gaz. vol. 196; p. 105.
- Gravity-lock. A. W. Ekberg. No. 1,053,124; Feb. 11; Gaz. vol. 187; p. 471.
- Gravity-motor. J. M. Schilling and H. A. Baldwin. No. 1,080,593; Dec. 9; Gaz. vol. 197; p. 267.
- Gravity-separator. F. O. Keene. No. 1,069,143; Aug. 5; Gaz. vol. 193; p. 18.
- Grease and similar matter from wool, skins, textiles, and other materials. Extraction of. C. R. Mayo. No. 1,067,357; July 15; Gaz. vol. 192; p. 568.
- Grease-box for the axles of vehicles. A. Dehu. No. 1,071,989; Sept. 2; Gaz. vol. 194; p. 109.
- Grease-cup. B. M. W. Hanson. No. 1,053,988; Feb. 25; Gaz. vol. 187; p. 846.
- Grease-cup. G. W. Bowen. No. 1,054,668; Mar. 4; Gaz. vol. 188; p. 5.
- Grease-cup. O. Zerk. No. 1,057,793; Apr. 1; Gaz. vol. 189; p. 136.
- Grease-cup. W. A. Keith. No. 1,069,144; Aug. 5; Gaz. vol. 193; p. 18.
- Grease-cup. S. W. McKillop. No. 1,073,154; Sept. 16; Gaz. vol. 194; p. 579.
- Grease-cup. J. Rank. No. 1,074,291; Sept. 30; Gaz. vol. 194; p. 1020.
- Grease-cup. Automatic. J. F. Lewis. No. 1,066,928; July 8; Gaz. vol. 192; p. 386.
- Grease-cup. Compression. C. R. Powers. No. 1,061,323; May 13; Gaz. vol. 190; p. 296.
- Grease-cup lock. R. O. Hughes. No. 1,069,701; Aug. 12; Gaz. vol. 193; p. 240.
- Grease-cup plug. J. W. Parrish. No. 1,076,388; Oct. 21; Gaz. vol. 195; p. 674.
- Grease-cup screw-plug. L. P. Weldley. No. 1,060,520; Apr. 29; Gaz. vol. 189; p. 1231.
- Grease-cups. Force-feeder for. C. E. Fuller and G. J. Hartz. No. 1,065,517; June 24; Gaz. vol. 191; p. 902.
- Grease from grease-bearing materials. Apparatus for extracting. C. R. Mayo. No. 1,066,028; July 1; Gaz. vol. 192; p. 43.
- Grease from grease-bearing materials. Extracting. C. R. Mayo. No. 1,068,354; July 22; Gaz. vol. 192; p. 941.
- Grease-plug lock. Automatic. A. P. McGlinchy. No. 1,082,091; Dec. 23; Gaz. vol. 197; p. 838.
- Grease-trap. G. J. Dehn. No. 1,071,889; Sept. 2; Gaz. vol. 194; p. 76.
- Greenhouse-bench. M. Winandy. No. 1,052,545; Feb. 11; Gaz. vol. 187; p. 271.
- Greenhouse construction. J. F. M. Farquhar. No. 1,070,434; Aug. 19; Gaz. vol. 193; p. 534.
- Greenhouse construction. R. I. Rapp. No. 1,074,895; Oct. 7; Gaz. vol. 195; p. 104.
- Grenade projected from small-arms. F. Deubler. No. 1,058,563; Apr. 8; Gaz. vol. 189; p. 446.
- Grille-work. W. J. Baker. No. 1,064,882; June 17; Gaz. vol. 191; p. 652.
- Grinder. W. B. Barnes. No. 1,054,667; Mar. 4; Gaz. vol. 188; p. 5.
- Grinder. Car-wheel. C. H. Brawley. No. 1,050,915; Jan. 21; Gaz. vol. 186; p. 615.
- Grinder. Cutlery-. H. E. Sweet. (Reissue.) No. 13,628; Oct. 14; Gaz. vol. 195; p. 517.
- Grinder. Food-. U. Kawasaki. No. 1,068,502; July 29; Gaz. vol. 192; p. 1030.
- Grinder. Gear-cutter. A. L. De Leeuw. No. 1,078,540; Nov. 11; Gaz. vol. 196; p. 478.
- Grinder. Knife-. W. C. Stewart. No. 1,049,619; Jan. 7; Gaz. vol. 186; p. 104.
- Grinder. Knife-. E. C. Loomis. No. 1,078,507; Nov. 11; Gaz. vol. 196; p. 467.
- Grinder. Portable duplex. R. H. Howarth. No. 1,061,843; May 13; Gaz. vol. 190; p. 471.
- Grinder. Rotary knife-. N. Du Brul. No. 1,077,333; Nov. 4; Gaz. vol. 196; p. 32.
- Grinder. Swing-frame. T. F. Philippi. No. 1,052,844; Feb. 11; Gaz. vol. 187; p. 374.
- Grinder. Swing-frame. T. F. Philippi. No. 1,055,075; Mar. 4; Gaz. vol. 188; p. 144.
- Grinder. Valve-. H. Moore. No. 1,066,307; July 1; Gaz. vol. 192; p. 144.
- Grinder. Vegetable-. J. Stock. No. 1,053,751; Feb. 18; Gaz. vol. 187; p. 730.
- Grinders. Feed adjustment for band-saw. J. P. Hedstrom. No. 1,082,633; Dec. 30; Gaz. vol. 197; p. 1058.
- Grinding. G. I. Alden. No. 1,081,082; Dec. 9; Gaz. vol. 197; p. 431.
- Grinding and cleaning mill. Combined. W. C. Pritchard. No. 1,049,395; Jan. 7; Gaz. vol. 186; p. 27.
- Grinding and crushing mill. A. M. Dellinger. No. 1,074,844; Oct. 7; Gaz. vol. 195; p. 86.
- Grinding and polishing machine. J. C. Blevney. No. 1,052,453; Feb. 11; Gaz. vol. 187; p. 241.
- Grinding and polishing machine. C. H. J. Dilg. No. 1,060,170; Apr. 29; Gaz. vol. 189; p. 1108.
- Grinding and polishing machine. Wood. J. Steingasser and E. Gottesleben. No. 1,075,515; Oct. 14; Gaz. vol. 195; p. 347.
- Grinding apparatus. J. Gillespie. No. 1,059,862; Apr. 22; Gaz. vol. 189; p. 960.
- Grinding apparatus. Apparatus for applying abrasives to. H. K. Hitchcock. No. 1,056,415; Mar. 18; Gaz. vol. 188; p. 662.
- Grinding apparatus. Applying abrasives to. H. K. Hitchcock. No. 1,056,416; Mar. 18; Gaz. vol. 188; p. 662.
- Grinding apparatus. Wood-. F. A. Waldron. No. 1,074,144; Sept. 30; Gaz. vol. 194; p. 971.
- Grinding attachment for abrading-wheels. Drill-. B. L. Mallory. No. 1,052,073; Feb. 4; Gaz. vol. 187; p. 78.
- Grinding attachment for cloth-cutters and the like. F. B. Wildman and E. W. Bortman. No. 1,050,891; Jan. 21; Gaz. vol. 186; p. 605.
- Grinding attachment. Scissors-. E. C. Loomis. No. 1,078,508; Nov. 11; Gaz. vol. 196; p. 467.
- Grinding device for machine-tools. H. L. Pixley. No. 1,074,739; Oct. 7; Gaz. vol. 195; p. 53.
- Grinding-disk. Self-adjusting. R. A. Reynolds. No. 1,072,033; Sept. 2; Gaz. vol. 194; p. 125.
- Grinding-laps. Machine for making. G. W. Bowers. No. 1,072,564; Sept. 9; Gaz. vol. 194; p. 334.
- Grinding-machine. W. B. Huther. No. 1,050,464; Jan. 14; Gaz. vol. 186; p. 425.
- Grinding-machine. J. C. Cramer. No. 1,051,695; Jan. 28; Gaz. vol. 186; p. 911.
- Grinding-machine. S. MacKay. No. 1,052,605; Feb. 11; Gaz. vol. 187; p. 292.
- Grinding-machine. J. W. Boynton. No. 1,052,649; Feb. 11; Gaz. vol. 187; p. 307.
- Grinding-machine. A. G. Rodgers. No. 1,055,081; Mar. 4; Gaz. vol. 188; p. 146.
- Grinding-machine. F. Muller. No. 1,055,286; Mar. 4; Gaz. vol. 188; p. 210.
- Grinding-machine. C. Raybuck. No. 1,056,940; Mar. 25; Gaz. vol. 188; p. 875.
- Grinding-machine. H. A. Higbee. No. 1,057,427; Apr. 1; Gaz. vol. 189; p. 12.
- Grinding-machine. W. A. Schmidt. No. 1,061,692; May 13; Gaz. vol. 190; p. 425.
- Grinding-machine. C. G. Small. No. 1,063,222; June 3; Gaz. vol. 191; p. 18.
- Grinding-machine. J. M. Thompson. No. 1,063,618; June 3; Gaz. vol. 191; p. 154.
- Grinding-machine. C. G. Trefethen. No. 1,066,167; July 1; Gaz. vol. 192; p. 93.
- Grinding-machine. L. Axtell. No. 1,067,577; July 15; Gaz. vol. 192; p. 642.
- Grinding-machine. B. R. Brown. No. 1,068,973; July 29; Gaz. vol. 192; p. 1195.
- Grinding-machine. G. W. Bowers. No. 1,072,692; Sept. 9; Gaz. vol. 194; p. 378.
- Grinding-machine. J. E. Crandall. No. 1,073,097; Sept. 16; Gaz. vol. 194; p. 560.
- Grinding-machine. P. H. Root. No. 1,077,306; Nov. 4; Gaz. vol. 196; p. 22.
- Grinding-machine. G. and J. Holland-Letz. No. 1,077,714; Nov. 4; Gaz. vol. 196; p. 161.
- Grinding-machine. E. O. Partridge. No. 1,078,551; Nov. 11; Gaz. vol. 196; p. 481.
- Grinding-machine. U. Steiner. No. 1,078,563; Nov. 11; Gaz. vol. 196; p. 485.
- Grinding-machine. J. Pavelka. No. 1,078,949; Nov. 18; Gaz. vol. 196; p. 650.
- Grinding-machine. A. L. Rausman. No. 1,079,465; Nov. 25; Gaz. vol. 196; p. 859.
- Grinding-machine attachment. C. E. Howe. No. 1,056,419; Mar. 18; Gaz. vol. 188; p. 664.
- Grinding machine. Ball-. E. Hanus. No. 1,051,885; Feb. 4; Gaz. vol. 187; p. 12.
- Grinding machine. Clay-. C. Goetz. No. 1,051,216; Jan. 21; Gaz. vol. 186; p. 716.
- Grinding-machine for razor-blades. T. C. Sheehan and J. E. Drew. No. 1,075,228; Oct. 7; Gaz. vol. 195; p. 220.
- Grinding machine. Metal-. W. I. Bryant. No. 1,051,483; Jan. 28; Gaz. vol. 186; p. 841.
- Grinding machine. Needle or pin point. R. Crabb. No. 1,060,322; Apr. 29; Gaz. vol. 189; p. 1162.
- Grinding machine Rail-. E. P. Simard and A. O. Boucher. No. 1,067,624; July 15; Gaz. vol. 192; p. 658.
- Grinding machine. Roller-. J. H. K. Kirner. No. 1,055,187; Mar. 4; Gaz. vol. 188; p. 178.
- Grinding-machine. Rotary. W. Gowan. No. 1,062,094; May 20; Gaz. vol. 190; p. 598.
- Grinding-machine safety thrust-bearing. A. Harvey. No. 1,049,710; Jan. 7; Gaz. vol. 186; p. 134.
- Grinding machine. Saw-. A. Elrod. No. 1,074,047; Sept. 23; Gaz. vol. 194; p. 909.
- Grinding machine. Wood-. H. S. Chalfant. No. 1,078,415; Nov. 11; Gaz. vol. 196; p. 438.
- Grinding-machines. Apparatus for applying abrasives to. H. K. Hitchcock. No. 1,077,982; Nov. 11; Gaz. vol. 196; p. 286.
- Grinding machines. Automatic feed device for lap-. J. P. Hedstrom. No. 1,053,388; Feb. 18; Gaz. vol. 187; p. 605.

Alphabetical list of inventions—Continued.

- Grinding-machines. Device for accelerating the feed of ball-bearing balls to. C. A. Hirth. No. 1,061,241; May 6; Gaz. vol. 190; p. 233.
- Grinding-machines for ball-bearings. Feed device for. C. A. Hirth. No. 1,055,043; Mar. 4; Gaz. vol. 188; p. 133.
- Grinding machines. Forwarding device for razor-blade. T. C. Sheehan. No. 1,049,412; Jan. 7; Gaz. vol. 186; p. 32.
- Grinding-machines. Scissors-sharpening attachment for. A. G. Rodgers. No. 1,063,391; June 3; Gaz. vol. 191; p. 75.
- Grinding machines. Tool-holder for tool. T. Lumsden. No. 1,072,629; Sept. 9; Gaz. vol. 194; p. 356.
- Grinding machines. Wheel-adjusting device for lap. J. P. Hedstrom. No. 1,053,389; Feb. 18; Gaz. vol. 187; p. 605.
- Grinding-machines. Work-rest for. H. T. Shearer. No. 1,078,561; Nov. 11; Gaz. vol. 196; p. 484.
- Grinding-mill. R. C. Shepherd. No. 1,052,386; Feb. 4; Gaz. vol. 187; p. 184.
- Grinding-mill. C. A. Markle and G. B. McClellan. No. 1,054,011; Feb. 25; Gaz. vol. 187; p. 854.
- Grinding-mill. G. Lane. No. 1,062,481; May 20; Gaz. vol. 190; p. 727.
- Grinding-mill. F. M. Lyon. No. 1,063,810; June 3; Gaz. vol. 191; p. 221.
- Grinding-mill. H. E. Quickel. No. 1,066,220; July 1; Gaz. vol. 192; p. 113.
- Grinding-mill. H. C. Strack. No. 1,074,299; Sept. 30; Gaz. vol. 194; p. 1022.
- Grinding-mill. M. E. Rozelle. No. 1,078,517; Nov. 11; Gaz. vol. 196; p. 470.
- Grinding-mill. J. D. Moore. No. 1,031,622; Dec. 16; Gaz. vol. 197; p. 649.
- Grinding-mill liner. A. R. Globe. No. 1,055,395; Mar. 11; Gaz. vol. 188; p. 286.
- Grinding-mills. Discharge-screen for centrifugal. J. F. Dietrich. No. 1,058,416; Apr. 8; Gaz. vol. 189; p. 397.
- Grinding of toothed wheels. milling-cutters, and the like. A. Aichele. No. 1,078,570; Nov. 11; Gaz. vol. 196; p. 487.
- Grinding or polishing machine movable on the surface to be treated. E. Offermann. No. 1,064,529; June 10; Gaz. vol. 191; p. 499.
- Grinding or reducing apparatus. E. Barthelmess. No. 1,068,096; July 22; Gaz. vol. 192; p. 850.
- Grinding or sharpening corrugated-sheet-metal fasteners. Machine for. W. H. Ray. No. 1,060,287; Apr. 29; Gaz. vol. 189; p. 1150.
- Grinding, pulping, and pulverizing machine. H. Jackson. No. 1,083,213; Dec. 30; Gaz. vol. 197; p. 1250.
- Grinding rollers. Machine for. O. A. Schmidt. No. 1,055,807; Mar. 11; Gaz. vol. 188; p. 424.
- Grinding rollers. Machine for. O. A. Schmidt. No. 1,055,808; Mar. 11; Gaz. vol. 188; p. 424.
- Grinding-rolls for treating wheat and other granular substances. F. Stacey. No. 1,055,096; Mar. 4; Gaz. vol. 188; p. 151.
- Grinding steel pens. Machine for. C. H. Boughton. No. 1,077,969; Nov. 11; Gaz. vol. 196; p. 281.
- Grinding-stone. Apparatus for regulating the pressure on a. C. A. Johnson. No. 1,075,355; Oct. 14; Gaz. vol. 195; p. 291.
- Grinding the center opening of gear-wheels. Process and apparatus for. J. N. Heald. No. 1,058,237; Apr. 8; Gaz. vol. 189; p. 333.
- Grinding toe-caps and the like. Machine for. P. Heldmann. No. 1,060,759; May 6; Gaz. vol. 190; p. 67.
- Grinding trombone-slides. Machine for. F. Holton. No. 1,076,284; Oct. 21; Gaz. vol. 195; p. 637.
- Grinding-wheel for granite. P. Dunn. No. 1,072,216; Sept. 2; Gaz. vol. 194; p. 186.
- Grip. P. Filliez. No. 1,069,935; Aug. 12; Gaz. vol. 193; p. 321.
- Grip device for exhibitors. Intermittent. J. P. Sheagren. No. 1,080,486; Dec. 2; Gaz. vol. 197; p. 199.
- Grip device. Intermittent. C. A. Kenworthy. No. 1,080,637; Dec. 9; Gaz. vol. 197; p. 281.
- Grip. Hand. A. Youngs. No. 1,064,587; June 10; Gaz. vol. 191; p. 520.
- Grip. Intermittent. J. N. Van der Werff. No. 1,057,598; Apr. 1; Gaz. vol. 189; p. 69.
- Gripper. S. W. Winslow, Jr. No. 1,053,958; Feb. 18; Gaz. vol. 187; p. 798.
- Gripper. E. Bayard. No. 1,068,842; July 29; Gaz. vol. 192; p. 1150.
- Gripper mechanism. A. Bates. No. 1,079,590; Nov. 25; Gaz. vol. 196; p. 903.
- Gripping device. W. E. Miller. No. 1,073,156; Sept. 16; Gaz. vol. 194; p. 579.
- Grizzly. M. Quenner. No. 1,056,829; Mar. 25; Gaz. vol. 188; p. 835.
- Ground-breaker. T. Jikihara. No. 1,051,811; Jan. 28; Gaz. vol. 186; p. 949.
- Ground-drying-out system. A. M. Branch. No. 1,050,914; Jan. 21; Gaz. vol. 186; p. 615.
- Ground. Machine for turning over. G. A. Matheson. No. 1,073,999; Sept. 23; Gaz. vol. 194; p. 895.
- Ground-working machine. B. F. Luke and C. L. Allen. No. 1,054,659; Feb. 25; Gaz. vol. 187; p. 1075.
- Groundnuts and product derived therefrom. Treating. H. W. A. T. Friedrichs. No. 1,066,200; July 1; Gaz. vol. 192; p. 106.
- Grubber. T. B. Hendricks. No. 1,072,455; Sept. 9; Gaz. vol. 194; p. 296.
- Guano-distributor. A. H. Pence. No. 1,050,165; Jan. 14; Gaz. vol. 186; p. 321.
- Guano-distributor. H. D. Pate. No. 1,056,577; Mar. 18; Gaz. vol. 188; p. 721.
- Guano-distributor. C. Hennessee. No. 1,068,340; July 22; Gaz. vol. 192; p. 936.
- Guano-distributor. H. R. A. King. No. 1,077,838; Nov. 4; Gaz. vol. 196; p. 204.
- Guard. J. C. Wells. No. 1,079,733; Nov. 25; Gaz. vol. 196; p. 952.
- Guide. H. Zalkin. No. 1,057,515; Apr. 1; Gaz. vol. 189; p. 41.
- Gum, Chewing. J. M. Trimble. No. 1,078,564; Nov. 11; Gaz. vol. 196; p. 485.
- Gum composition. Chewing. W. E. Williams. No. 1,052,872; Feb. 11; Gaz. vol. 187; p. 383.
- Gums. Producing solutions of insoluble. E. Siefert-Schwab. No. 1,066,852; July 8; Gaz. vol. 192; p. 359.
- Gumming and fling machine. A. L. Kirkwood. No. 1,065,877; June 24; Gaz. vol. 191; p. 1024.
- Gumming machine. Cap. B. K. Ford. No. 1,071,637; Aug. 26; Gaz. vol. 193; p. 969.
- Gun. A. C. Nelson. No. 1,049,592; Jan. 7; Gaz. vol. 186; p. 95.
- Gun. E. Jones. No. 1,063,882; June 3; Gaz. vol. 191; p. 243.
- Gun. K. A. Bräuning. No. 1,070,579; Aug. 19; Gaz. vol. 193; p. 585.
- Gun. J. A. Guarino. No. 1,079,855; Nov. 25; Gaz. vol. 196; p. 996.
- Gun-aiming apparatus. R. H. S. Bacon and R. Redpath. No. 1,067,859; July 22; Gaz. vol. 192; p. 772.
- Gun, Air. B. B. Bennett. No. 1,052,123; Feb. 4; Gaz. vol. 187; p. 97.
- Gun, Air. E. S. Roe. No. 1,062,855; May 27; Gaz. vol. 190; p. 893.
- Gun, Air. W. A. Heilprin. No. 1,067,984; July 22; Gaz. vol. 192; p. 812.
- Gun, Air. A. Wissler. No. 1,073,454; Sept. 16; Gaz. vol. 194; p. 686.
- Gun, Air. A. Wissler. No. 1,073,455; Sept. 16; Gaz. vol. 194; p. 686.
- Gun, Air. A. V. Dickey. No. 1,078,487; Nov. 11; Gaz. vol. 196; p. 460.
- Gun, Air. A. Wissler. No. 1,079,908; Nov. 25; Gaz. vol. 196; p. 1015.
- Gun, Air. E. S. Roe. No. 1,080,170; Dec. 2; Gaz. vol. 197; p. 88.
- Gun and rifle. Cadet. E. L. Tiffany and F. S. Loomis. No. 1,080,939; Dec. 9; Gaz. vol. 197; p. 387.
- Gun, Automatic. B. A. Revelli. No. 1,073,709; Sept. 23; Gaz. vol. 194; p. 798.
- Gun, Automatic. A. T. Dawson and G. T. Buckham. No. 1,077,680; Nov. 4; Gaz. vol. 196; p. 151.
- Gun, Automatic machine. M. Knötgen. No. 1,055,759; Mar. 11; Gaz. vol. 188; p. 407.
- Gun, Barrel-recoil. M. Hermsdorf. No. 1,066,814; July 8; Gaz. vol. 192; p. 347.
- Gun-carriage. G. Wienholtz. No. 1,079,815; Nov. 25; Gaz. vol. 196; p. 982.
- Gun-carriage. Wheeled. G. Wienholtz. No. 1,079,816; Nov. 25; Gaz. vol. 196; p. 983.
- Gun-carriage. Wheeled. E. Bourdelles. No. 1,082,795; Dec. 30; Gaz. vol. 197; p. 1114.
- Gun-carriages. Spade-fastening for wheeled. O. Lauber and F. Stock. No. 1,079,868; Nov. 25; Gaz. vol. 196; p. 1001.
- Gun, Casting. P. Gray. No. 1,054,916; Mar. 4; Gaz. vol. 188; p. 90.
- Gun-cleaning rod. T. W. Cook. No. 1,080,679; Dec. 9; Gaz. vol. 197; p. 295.
- Gun control. Electrically-operated. J. B. Ryan. (Re-issue.) No. 13,514; Jan. 14; Gaz. vol. 186; p. 535.
- Gun, Differential-recoil. E. Müller. No. 1,072,350; Sept. 2; Gaz. vol. 194; p. 229.
- Gun elevating and training gears. Driving device for. H. Strauss. No. 1,079,893; Nov. 25; Gaz. vol. 196; p. 1009.
- Gun-elevating mechanism. F. Böminghaus. No. 1,079,831; Nov. 25; Gaz. vol. 196; p. 987.
- Gun firing mechanism. Automatic. J. Steinocher. No. 1,056,602; Mar. 18; Gaz. vol. 188; p. 729.
- Gun firing mechanism. Electrical. I. F. Galindez. No. 1,078,782; Nov. 18; Gaz. vol. 196; p. 596.
- Gun for killing flies and other insects. T. H. Kilduff. No. 1,059,736; Apr. 22; Gaz. vol. 189; p. 921.
- Gun, Gas. N. Goodyear. No. 1,057,420; Apr. 1; Gaz. vol. 189; p. 10.
- Gun, Gas-operated. W. H. Squire. No. 1,082,916; Dec. 30; Gaz. vol. 197; p. 1157.
- Gun having a recoiling barrel. K. Völler. No. 1,082,718; Dec. 30; Gaz. vol. 197; p. 1087.
- Guns having a recoiling barrel. Hydraulic brake for. K. Völler. No. 1,082,717; Dec. 30; Gaz. vol. 197; p. 1087.

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- Gun-house for war-ships, forts, &c. R. A. Hadfield. No. 1,055,032; Mar. 4; Gaz. vol. 188; p. 129.
- Gun, Magazine-. N. B. Randall. No. 1,056,057; Mar. 18; Gaz. vol. 188; p. 541.
- Gun-magazine, Detachable. T. D. Layman. No. 1,069,339; Aug. 5; Gaz. vol. 193; p. 88.
- Gun, Marble-. G. C. Kennedy. No. 1,077,142; Oct. 28; Gaz. vol. 195; p. 989.
- Gun-mounting, Pedestal. A. T. Dawson and G. T. Buckingham. No. 1,071,607; Aug. 26; Gaz. vol. 193; p. 959.
- Gun, Oil-. R. V. Lee. No. 1,071,063; Aug. 26; Gaz. vol. 193; p. 778.
- Gun, Pneumatic. J. A. Packard. No. 1,065,546; June 24; Gaz. vol. 191; p. 912.
- Gun, Rapid-firing machine-. F. E. Lung. No. 1,070,826; Aug. 19; Gaz. vol. 193; p. 666.
- Gun, Recoil-operated. N. B. Randall. No. 1,056,056; Mar. 18; Gaz. vol. 188; p. 541.
- Gun-rod, Telescopic. T. A. Southgate. No. 1,067,383; July 15; Gaz. vol. 192; p. 577.
- Gun, Safety-. B. Hempstead. No. 1,063,921; June 3; Gaz. vol. 191; p. 257.
- Gun safety mechanism, Breakdown-. E. Flues. No. 1,071,994; Sept. 2; Gaz. vol. 194; p. 112.
- Gun, Semi-automatic. W. H. Driggs. No. 1,076,875; Oct. 28; Gaz. vol. 195; p. 900.
- Gun-sight. W. M. Farrow. No. 1,057,048; Mar. 25; Gaz. vol. 188; p. 912.
- Gun-sight. C. Becholdt. No. 1,076,658; Oct. 28; Gaz. vol. 195; p. 823.
- Gun-sight. O. Boecker. No. 1,078,411; Nov. 11; Gaz. vol. 196; p. 436.
- Gun-sights, Air-veil for. H. H. Cummings. No. 1,072,828; Sept. 9; Gaz. vol. 194; p. 426.
- Gun-sighting device. H. Korrodi. No. 1,055,920; Mar. 11; Gaz. vol. 188; p. 460.
- Gun-sighting device. R. Schürmann. No. 1,079,884; Nov. 25; Gaz. vol. 196; p. 1005.
- Gun-stock. L. F. Kennedy. No. 1,051,960; Feb. 4; Gaz. vol. 187; p. 40.
- Gun-stock. S. H. Pickering. No. 1,063,061; May 27; Gaz. vol. 190; p. 960.
- Gun-strap fastening. C. Lutkens. No. 1,069,623; Aug. 5; Gaz. vol. 193; p. 185.
- Gun-support, Pivoted. K. Völler and C. Waninger. No. 1,073,061; Sept. 9; Gaz. vol. 194; p. 511.
- Gun with recoiling barrel. K. Völler. No. 1,059,093; Apr. 15; Gaz. vol. 189; p. 668.
- Guns, Aiming device for. L. Mach. No. 1,060,469; Apr. 29; Gaz. vol. 189; p. 1213.
- Guns at night, Apparatus for aiming. G. Archer. No. 1,057,518; Apr. 1; Gaz. vol. 189; p. 42.
- Guns, Breech-actuating apparatus of heavy. A. T. Dawson and J. Horne. No. 1,072,319; Sept. 2; Gaz. vol. 194; p. 218.
- Guns, Breech mechanism for. E. Schneider. No. 1,076,842; Oct. 28; Gaz. vol. 195; p. 887.
- Guns, Breech mechanism for machine-. A. W. Schwarlose. No. 1,072,997; Sept. 9; Gaz. vol. 194; p. 489.
- Guns, Cocking and safety mechanism for breakdown. E. Flues. No. 1,070,441; Aug. 19; Gaz. vol. 193; p. 536.
- Guns, Mechanism for automatically firing. G. E. Dietzel. No. 1,054,514; Feb. 25; Gaz. vol. 187; p. 1026.
- Guns, Safety device for. Z. F. Jones. No. 1,070,965; Aug. 19; Gaz. vol. 193; p. 710.
- Guns, Single-trigger mechanism for double-barreled. C. B. Tilden. No. 1,051,032; Jan. 21; Gaz. vol. 186; p. 655.
- Guns, Strap-support for. O. Prochnow. No. 1,051,914; Feb. 4; Gaz. vol. 187; p. 23.
- Gutter-hanger. E. J. Hiller. No. 1,076,367; Oct. 21; Gaz. vol. 195; p. 668.
- Guy-clamp. J. Blackburn. No. 1,071,868; Sept. 2; Gaz. vol. 194; p. 69.
- Guy-clamp. J. Blackburn. No. 1,078,605; Nov. 18; Gaz. vol. 196; p. 532.
- Gymnasium apparatus. A. J. Thornley. No. 1,063,620; June 3; Gaz. vol. 191; p. 155.
- Gymnasium-apparatus rack. A. J. Thornley. No. 1,063,621; June 3; Gaz. vol. 191; p. 156.
- Gyromotor-body shifter. R. S. Richeson. No. 1,062,415; May 20; Gaz. vol. 190; p. 706.
- Gyromotor-wheel controller. R. S. Richeson. No. 1,062,797; May 27; Gaz. vol. 190; p. 873.
- Gyroscope. E. N. Darrow. No. 1,075,770; Oct. 14; Gaz. vol. 195; p. 433.
- Gyve. F. C. Nagle. No. 1,082,230; Dec. 23; Gaz. vol. 197; p. 884.
- Gyve-lock. F. C. Nagle. No. 1,082,229; Dec. 23; Gaz. vol. 197; p. 884.
- Hackling and finishing machine for long-staple fiber. J. E. Barbour. No. 1,059,105; Apr. 15; Gaz. vol. 189; p. 672.
- Hacksaw. W. C. Burge. No. 1,051,193; Jan. 21; Gaz. vol. 186; p. 709.
- Hacksaw. J. T. Refsahl. No. 1,051,761; Jan. 28; Gaz. vol. 186; p. 932.
- Hacksaw, Extension-frame. F. S. Bradley. No. 1,060,312; Apr. 29; Gaz. vol. 189; p. 1158.
- Hacksaw-frame. D. L. Murchey. No. 1,063,828; June 3; Gaz. vol. 191; p. 227.
- Hacksaw, Power-. R. C. Berry. No. 1,056,880; Mar. 25; Gaz. vol. 188; p. 853.
- Hacksaws, Hand-guard for steel. L. C. Biggs. No. 1,078,821; Nov. 18; Gaz. vol. 196; p. 609.
- Hair and other fibrous material, Machinery for waving and crimping. W. Fisher. No. 1,067,103; July 8; Gaz. vol. 192; p. 443.
- Hair-comb. G. C. Fricke. No. 1,077,403; Nov. 4; Gaz. vol. 196; p. 58.
- Hair-crimper. H. S. Brewington. No. 1,055,603; Mar. 11; Gaz. vol. 188; p. 354.
- Hair-curler. N. L. Ozmun. No. 1,064,084; June 10; Gaz. vol. 191; p. 347.
- Hair-curler. A. A. West and W. H. Gatchell. No. 1,077,897; Nov. 4; Gaz. vol. 196; p. 224.
- Hair-curler. H. N. Northrop and G. A. Towle. No. 1,081,400; Dec. 16; Gaz. vol. 197; p. 577.
- Hair-cutter and safety-razor, Convertible. A. T. Hauser. No. 1,077,530; Nov. 4; Gaz. vol. 196; p. 102.
- Hair-cutter, Safety. J. W. Williamson. No. 1,074,678; Oct. 7; Gaz. vol. 195; p. 32.
- Hair-cutting apparatus. A. R. Coyle, Jr. No. 1,064,053; June 10; Gaz. vol. 191; p. 337.
- Hair-cutting machine. F. P. Dyer. No. 1,075,908; Oct. 14; Gaz. vol. 195; p. 481.
- Hair-dressing device. W. J. Parfrey. No. 1,070,064; Aug. 12; Gaz. vol. 193; p. 364.
- Hair-dressing device. A. Maslé. No. 1,078,055; Nov. 11; Gaz. vol. 196; p. 311.
- Hair-drier. F. H. Myers. No. 1,070,716; Aug. 19; Gaz. vol. 193; p. 629.
- Hair-drying apparatus. C. L. Allen and S. C. Miles. No. 1,054,813; Mar. 4; Gaz. vol. 188; p. 56.
- Hair-drying apparatus. A. Schaeffer. No. 1,057,282; Mar. 25; Gaz. vol. 188; p. 992.
- Hair-drying apparatus, Wet-. A. Schriever. No. 1,081,064; Dec. 9; Gaz. vol. 197; p. 426.
- Hair-dye. H. Richez. No. 1,055,355; Mar. 11; Gaz. vol. 188; p. 273.
- Hair, Embedding artificial. A. Popovics. No. 1,059,631; Apr. 22; Gaz. vol. 189; p. 886.
- Hair on the head, Apparatus for waving natural. C. Nessler. No. 1,052,166; Feb. 4; Gaz. vol. 187; p. 112.
- Hair on the head, Waving natural. C. Nessler. No. 1,052,167; Feb. 4; Gaz. vol. 187; p. 113.
- Hair-pin. H. Jacobsen. No. 1,068,244; July 22; Gaz. vol. 192; p. 903.
- Hair-pin. E. H. Euler. No. 1,070,433; Aug. 19; Gaz. vol. 193; p. 533.
- Hair-pin. J. Hughes. No. 1,082,333; Dec. 23; Gaz. vol. 197; p. 922.
- Hair-pin machine. J. Abrahamsen and J. Kierkegaard. No. 1,058,135; Apr. 8; Gaz. vol. 189; p. 298.
- Hair-planting instrument. J. H. Parsegan. No. 1,061,005; May 6; Gaz. vol. 190; p. 155.
- Hair-removing device. J. E. White. No. 1,071,978; Sept. 2; Gaz. vol. 194; p. 105.
- Hair-singer. E. H. Eldridge. No. 1,054,520; Feb. 25; Gaz. vol. 187; p. 1027.
- Hair-tonic. M. Baumann. No. 1,050,758; Jan. 14; Gaz. vol. 186; p. 522.
- Hair, Treating human. J. W. Freeman. No. 1,055,972; Mar. 11; Gaz. vol. 188; p. 478.
- Hair-waver. E. and H. P. Andrews. No. 1,073,014; Sept. 9; Gaz. vol. 194; p. 494.
- Hair waving or curling composition. T. Grosert. No. 1,064,901; June 17; Gaz. vol. 191; p. 659.
- Half-tone screen. J. A. H. Hatt. No. 1,066,611; July 8; Gaz. vol. 192; p. 276.
- Halls, airship-hangars, and other structures, Construction of. H. Holland. No. 1,058,432; Apr. 8; Gaz. vol. 189; p. 402.
- Halter. C. J. Dyer. No. 1,070,786; Aug. 19; Gaz. vol. 193; p. 654.
- Halter and weaner, Combined. C. J. Lord. No. 1,065,820; June 24; Gaz. vol. 191; p. 1004.
- Halter and yoke, Combined. J. D. Babb. No. 1,077,251; Nov. 4; Gaz. vol. 196; p. 4.
- Halter-lock. G. H. Taylor. No. 1,071,824; Sept. 2; Gaz. vol. 194; p. 54.
- Halter-rope clip. A. Freeman. No. 1,073,226; Sept. 16; Gaz. vol. 194; p. 606.
- Hame. M. Marx. No. 1,068,514; July 29; Gaz. vol. 192; p. 1034.
- Hame and trace connector, Adjustable. V. G. Robison. No. 1,068,451; July 29; Gaz. vol. 192; p. 1012.
- Hame-clip. A. C. Back. No. 1,080,801; Dec. 9; Gaz. vol. 197; p. 839.
- Hame-fastener. A. A. Lowry. No. 1,058,187; Apr. 8; Gaz. vol. 189; p. 317.
- Hames, Adjustable start for. W. F. Davis. No. 1,065,594; June 24; Gaz. vol. 191; p. 929.
- Hammer. J. L. Miller. No. 1,055,936; Mar. 11; Gaz. vol. 188; p. 466.
- Hammer. H. B. White. No. 1,061,512; May 13; Gaz. vol. 190; p. 361.
- Hammer. J. Hoskyn. No. 1,064,830; June 17; Gaz. vol. 191; p. 637.
- Hammer. H. H. Frey. No. 1,067,729; July 15; Gaz. vol. 192; p. 694.

Alphabetical list of inventions—Continued.

- Hammer. S. K. Niemi. No. 1,074,009; Sept. 23; Gaz. vol. 194; p. 897.
- Hammer construction. H. E. Derbyshire. No. 1,077,812; Nov. 4; Gaz. vol. 196; p. 195.
- Hammer-drill. W. Prellwitz. No. 1,057,169; Mar. 25; Gaz. vol. 188; p. 954.
- Hammer-drill. A. J. Carter. No. 1,069,853; Aug. 12; Gaz. vol. 193; p. 294.
- Hammer-drill. W. Prellwitz. No. 1,078,952; Nov. 18; Gaz. vol. 196; p. 652.
- Hammer-drill. W. Prellwitz. No. 1,078,953; Nov. 18; Gaz. vol. 196; p. 652.
- Hammer-drill. A. H. Taylor. No. 1,081,637; Dec. 16; Gaz. vol. 197; p. 654.
- Hammer, Drop. H. Terhune. No. 1,051,779; Jan. 28; Gaz. vol. 186; p. 937.
- Hammer, Fluid-power. J. Nazel and R. E. Bates. No. 1,051,510; Jan. 28; Gaz. vol. 186; p. 850.
- Hammer, Fluid-power. R. E. Bates. No. 1,082,580; Dec. 30; Gaz. vol. 197; p. 1039.
- Hammer for the bushing and cutting of granite, Bush. I. L. Delano. No. 1,054,184; Feb. 25; Gaz. vol. 187; p. 913.
- Hammer, Magazine. F. F. Nelson. No. 1,052,368; Feb. 4; Gaz. vol. 187; p. 177.
- Hammer, Magazine tack. T. McKean. No. 1,059,186; Apr. 15; Gaz. vol. 189; p. 699.
- Hammer, Mechanical. J. S. Knowlson. No. 1,082,880; Dec. 30; Gaz. vol. 197; p. 1143.
- Hammer, Mechanical or power-actuated. W. Blacker. No. 1,054,332; Feb. 25; Gaz. vol. 187; p. 962.
- Hammer mechanism, Drop. P. Maiwurm. No. 1,080,357; Dec. 2; Gaz. vol. 197; p. 155.
- Hammer, Nail-holding. J. A. Riddle. No. 1,052,965; Feb. 11; Gaz. vol. 187; p. 416.
- Hammer operated by compressed fluid. C. H. Shaw. No. 1,061,203; May 6; Gaz. vol. 190; p. 220.
- Hammer, Percussive. F. J. Brown. No. 1,074,044; Sept. 23; Gaz. vol. 194; p. 909.
- Hammer, Pneumatic. V. P. Kessel. No. 1,050,951; Jan. 21; Gaz. vol. 186; p. 627.
- Hammer, Pneumatic. A. C. Clark. No. 1,055,135; Mar. 4; Gaz. vol. 188; p. 163.
- Hammer, Pneumatic. G. L. Robertson. No. 1,068,605; July 29; Gaz. vol. 192; p. 1065.
- Hammer, Pneumatic. G. L. Robertson. No. 1,071,263; Aug. 26; Gaz. vol. 193; p. 845.
- Hammer, Pneumatic. G. L. Robertson. No. 1,078,384; Nov. 11; Gaz. vol. 196; p. 427.
- Hammer, Power. W. Lewis. No. 1,057,647; Apr. 1; Gaz. vol. 189; p. 86.
- Hammer, Power. S. A. Thornburg. No. 1,066,063; July 1; Gaz. vol. 192; p. 56.
- Hammer, Power. J. I. Depew. No. 1,076,554; Oct. 21; Gaz. vol. 195; p. 733.
- Hammer, Power-driven. A. A. Goubert. No. 1,077,469; Nov. 4; Gaz. vol. 196; p. 81.
- Hammer, Power-operated. R. F. Arnott. No. 1,055,594; Mar. 11; Gaz. vol. 188; p. 351.
- Hammer, Rebounding. G. S. Lewis. No. 1,070,145; Aug. 12; Gaz. vol. 193; p. 393.
- Hammer, Registering brandings. C. W. Wright. No. 1,073,203; Sept. 16; Gaz. vol. 194; p. 596.
- Hammer roll-release mechanism, Drop. H. E. Derbyshire. No. 1,068,225; July 22; Gaz. vol. 192; p. 895.
- Hammer, Shredding. M. F. Williams. No. 1,078,650; Nov. 18; Gaz. vol. 196; p. 547.
- Hammer, Spring. J. H. Phillips. No. 1,053,744; Feb. 18; Gaz. vol. 187; p. 728.
- Hammer, Spring. R. R. Smith. No. 1,075,950; Oct. 14; Gaz. vol. 195; p. 495.
- Hammer, Stamping. P. Graham and G. W. Shay. No. 1,064,207; June 10; Gaz. vol. 191; p. 391.
- Hammer, Steam. A. J. Larsen. No. 1,063,360; June 3; Gaz. vol. 191; p. 64.
- Hammers, Spring-clip for pneumatic. J. F. Elscheld. No. 1,074,420; Sept. 30; Gaz. vol. 194; p. 1063.
- Hammering implement. O. C. Duryea and M. C. White. No. 1,063,667; June 3; Gaz. vol. 191; p. 173.
- Hammock. B. B. Savage. No. 1,056,947; Mar. 25; Gaz. vol. 188; p. 877.
- Hammock. W. Boss. No. 1,062,951; May 27; Gaz. vol. 190; p. 925.
- Hammock. M. Pietiläinen. No. 1,071,954; Sept. 2; Gaz. vol. 194; p. 97.
- Hammock and back-rest and wind-shield therefor. Couch. I. E. Palmer. No. 1,053,860; Feb. 18; Gaz. vol. 187; p. 764.
- Hammock and wind-shield therefor. Couch. I. E. Palmer. No. 1,053,859; Feb. 18; Gaz. vol. 187; p. 764.
- Hammock, Bifurcated. I. E. Palmer. No. 1,077,229; Oct. 28; Gaz. vol. 195; p. 1017.
- Hammock, Collapsible cot. W. Boss. No. 1,062,950; May 27; Gaz. vol. 190; p. 924.
- Hammock or cot, Foldable spring. L. A. Young. No. 1,071,541; Aug. 26; Gaz. vol. 193; p. 937.
- Hammock, Self-adjusting. W. H. Berg. No. 1,051,066; Jan. 21; Gaz. vol. 186; p. 667.
- Hammock, Sleeping. J. M. Lowmore. No. 1,071,764; Sept. 2; Gaz. vol. 194; p. 33.
- Hammock-stand. G. F. Sisbower. No. 1,066,668; July 8; Gaz. vol. 192; p. 296.
- Hammock-support. R. F. Meeks. No. 1,063,461; June 3; Gaz. vol. 191; p. 98.
- Hammock-support. F. Rabe, Sr. No. 1,066,221; July 1; Gaz. vol. 192; p. 113.
- Hammock-support. H. H. Jones. No. 1,075,150; Oct. 7; Gaz. vol. 195; p. 193.
- Hand and air brake, Combined. W. J. Clelland. No. 1,061,900; May 13; Gaz. vol. 190; p. 489.
- Hand, Artificial. I. L. Bosch. No. 1,050,607; Jan. 14; Gaz. vol. 186; p. 475.
- Hand-bag. B. L. Henry. No. 1,063,031; May 27; Gaz. vol. 190; p. 950.
- Hand-bag and similar article. G. H. Gentzel. No. 1,055,898; Mar. 11; Gaz. vol. 188; p. 454.
- Hand-bag and the like. A. H. F. Schliecker. No. 1,079,188; Nov. 18; Gaz. vol. 196; p. 736.
- Hand-drill. A. E. Tunstall. No. 1,061,706; May 13; Gaz. vol. 190; p. 430.
- Hand-hole closure. K. M. Dahl. No. 1,068,743; July 29; Gaz. vol. 192; p. 1113.
- Hand-rake. G. J. Genebach. No. 1,066,400; July 1; Gaz. vol. 192; p. 173.
- Hand-rake. A. W. Buell. No. 1,072,568; Sept. 9; Gaz. vol. 194; p. 336.
- Hand-reel, Wire. P. Holmes. No. 1,051,231; Jan. 21; Gaz. vol. 186; p. 721.
- Hand-warmer, Steering-wheel. C. J. Hallum. No. 1,079,237; Nov. 18; Gaz. vol. 196; p. 751.
- Hand-wheel. C. Wirt. No. 1,056,873; Mar. 25; Gaz. vol. 188; p. 851.
- Hand-wheel for valves, &c. A. L. Sessions. No. 1,080,080; Dec. 2; Gaz. vol. 197; p. 57.
- Handcuff. G. A. Wood. No. 1,056,079; Mar. 18; Gaz. vol. 188; p. 549.
- Handle. See Asbestos handle; Ax-handle; Bail-handle; Brush-handle; Cane or umbrella handle; Casket-handle; Cuspidor-handle; Detachable handle; File-handle; Folding handle; Implement-handle; Knob-handle; Mower-handle; Musical-instrument-control handle; Sad-iron handle; Saw-handle; Shovel-handle; Switch-handle; Swivel implement-handle; Tool-handle; Tool-chest handle.
- Handle. F. Mossberg. No. 1,055,646; Mar. 11; Gaz. vol. 188; p. 368.
- Handle. M. W. Pitner. No. 1,060,856; May 6; Gaz. vol. 190; p. 102.
- Handle and latch, Combination. J. B. Spooner. No. 1,059,952; Apr. 22; Gaz. vol. 189; p. 991.
- Handle-bar clamp and bracket, Combination. L. F. Burke. No. 1,059,432; Apr. 22; Gaz. vol. 189; p. 821.
- Handle-boring machine, Automatic. J. R. Binns. No. 1,058,940; Apr. 15; Gaz. vol. 189; p. 614.
- Handle-fastener. E. C. McMillan. No. 1,052,077; Feb. 4; Gaz. vol. 187; p. 80.
- Handle-fastening. F. D. Moss. No. 1,081,546; Dec. 16; Gaz. vol. 197; p. 626.
- Handle for spades, shovels, forks, and like implements. S. R. Park. No. 1,077,550; Nov. 4; Gaz. vol. 196; p. 108.
- Handle, Joint adjustable. A. Oriol. No. 1,080,121; Dec. 2; Gaz. vol. 197; p. 71.
- Handle or bail making machine. D. E. Kempster. No. 1,070,696; Aug. 19; Gaz. vol. 193; p. 623.
- Handle or button. J. G. Peterson. No. 1,070,172; Aug. 12; Gaz. vol. 193; p. 403.
- Handle-strap for carrying books, &c. H. M. Sprague. No. 1,056,068; Mar. 18; Gaz. vol. 188; p. 546.
- Handle-turning machine. W. C. Farnum. No. 1,075,245; Oct. 7; Gaz. vol. 195; p. 226.
- Handles, Apparatus for the manufacture of celluloid. E. Miltner. No. 1,052,082; Feb. 4; Gaz. vol. 187; p. 82.
- Handles of plastic material, Manufacture of. E. Miltner. No. 1,052,081; Feb. 4; Gaz. vol. 187; p. 82.
- Handling broken ends, Device for. A. G. Shideed. No. 1,075,161; Oct. 7; Gaz. vol. 195; p. 197.
- Handling cargo, Apparatus for. H. Sawyer. No. 1,064,384; June 10; Gaz. vol. 191; p. 449.
- Handling freight, Apparatus for. H. Sawyer. No. 1,064,385; June 10; Gaz. vol. 191; p. 450.
- Handsaw. O. C. Frame. No. 1,076,755; Oct. 28; Gaz. vol. 195; p. 858.
- Handsaw-lubricator. T. Richardson. No. 1,055,080; Mar. 4; Gaz. vol. 188; p. 146.
- Handy hook. R. J. Wigley. No. 1,072,285; Sept. 2; Gaz. vol. 194; p. 207.
- Hanger. See Adjustable hanger; Brake-hanger; Broom-hanger; Broom and cloth hanger; Cable-hanger; Card-door hanger; Clothes-hanger; Clothes-line hanger; Clothing-hanger; Coat-hanger; Coat and hat hanger; Curtain-hanger; Display-hanger; Door-hanger; Eaves-trough hanger; Flour-bin hanger; Fly-trap hanger; Garment-hanger; Gutter-hanger; Harness-hanger; Hat-hanger; Lamp-hanger; Meat-hanger; Paper-hanger; Picture-hanger; Pipe-hanger; Pipe and cable hanger; Pipe or shaft hanger; Razor-strap hanger; Sash-hanger; Scaffold-bracket hanger; Screen-hanger; Shade-hanger; Shade and curtain hanger; Shaft-hanger; Spring-clamp hanger; Strap-hanger; Tool-hanger; Track-hanger; Trolley-wire hanger; Washline-hanger; Well-casing hanger.

Alphabetical list of inventions--Continued.

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- Hanger. W. A. Hall. No. 1,064,726; June 17; Gaz. vol. 191; p. 603.
- Hanger. J. Irvine. No. 1,074,623; Oct. 7; Gaz. vol. 195; p. 12.
- Hanger-box. W. S. Rogers. No. 1,078,696; Nov. 18; Gaz. vol. 196; p. 564.
- Hanger-bracket. C. C. Kornus. No. 1,076,211; Oct. 21; Gaz. vol. 195; p. 612.
- Hardening mixture. Case. J. F. Sallows. No. 1,079,954; Dec. 2; Gaz. vol. 197; p. 11.
- Hardness-testing apparatus. J. Kirner. No. 1,057,850; Apr. 1; Gaz. vol. 189; p. 156.
- Harness. W. E. Schwahn. No. 1,071,589; Aug. 26; Gaz. vol. 193; p. 953.
- Harness attachment. C. H. Noyes. No. 1,056,207; Mar. 18; Gaz. vol. 188; p. 593.
- Harness attachment for securing nets and blankets. F. H. McCormick. No. 1,081,054; Dec. 9; Gaz. vol. 197; p. 423.
- Harness back-pad. J. S. Cusson. No. 1,080,895; Dec. 9; Gaz. vol. 197; p. 372.
- Harness-hanger. T. O. Frazier. No. 1,061,366; May 13; Gaz. vol. 190; p. 310.
- Harness-hanger. N. A. Hannah. No. 1,083,092; Dec. 30; Gaz. vol. 197; p. 1215.
- Harness-hook. F. Parrish. No. 1,079,661; Nov. 25; Gaz. vol. 196; p. 927.
- Harness-line. A. C. Baker. No. 1,051,059; Jan. 21; Gaz. vol. 186; p. 665.
- Harness-rack. S. B. Dyer. No. 1,083,203; Dec. 30; Gaz. vol. 197; p. 1246.
- Harness. Restraining-. R. W. D. Jørgensen. No. 1,067,346; July 15; Gaz. vol. 192; p. 565.
- Harness. Single hitch for orchard and vineyard. W. H. Welch. No. 1,075,885; Oct. 14; Gaz. vol. 195; p. 472.
- Harp-taboret. M. A. Clark. No. 1,065,661; June 24; Gaz. vol. 191; p. 951.
- Harpoon. N. Kromann. No. 1,056,343; Mar. 18; Gaz. vol. 188; p. 637.
- Harrow. A. Larson. No. 1,051,739; Jan. 28; Gaz. vol. 186; p. 926.
- Harrow. C. N. Richards. No. 1,052,275; Feb. 4; Gaz. vol. 187; p. 149.
- Harrow. G. C. Long. No. 1,052,931; Feb. 11; Gaz. vol. 187; p. 405.
- Harrow. M. D. Maxwell. No. 1,055,202; Mar. 4; Gaz. vol. 188; p. 183.
- Harrow. T. Kopinski. No. 1,058,067; Apr. 8; Gaz. vol. 189; p. 274.
- Harrow. G. E. Crowell. No. 1,058,415; Apr. 8; Gaz. vol. 189; p. 396.
- Harrow. A. K. Horton. No. 1,059,672; Apr. 22; Gaz. vol. 189; p. 900.
- Harrow. L. Chambers. No. 1,059,832; Apr. 22; Gaz. vol. 189; p. 952.
- Harrow. G. W. Tucker. No. 1,060,038; Apr. 29; Gaz. vol. 189; p. 1064.
- Harrow. C. Christiansen. No. 1,063,774; June 3; Gaz. vol. 191; p. 209.
- Harrow. A. D. Willock. No. 1,064,038; June 10; Gaz. vol. 191; p. 331.
- Harrow. O. Lindquist. No. 1,065,536; June 24; Gaz. vol. 191; p. 909.
- Harrow. C. E. Forkner. No. 1,066,481; July 8; Gaz. vol. 192; p. 230.
- Harrow. J. Roddy. No. 1,067,065; July 8; Gaz. vol. 192; p. 430.
- Harrow. J. P. Owens. No. 1,068,526; July 29; Gaz. vol. 192; p. 1037.
- Harrow. E. D. Ferguson. No. 1,069,242; Aug. 5; Gaz. vol. 193; p. 55.
- Harrow. D. J. Farthing. No. 1,070,332; Aug. 12; Gaz. vol. 193; p. 457.
- Harrow. J. Wyss. No. 1,072,292; Sept. 2; Gaz. vol. 194; p. 210.
- Harrow. T. V. Barnard. No. 1,073,318; Sept. 16; Gaz. vol. 194; p. 638.
- Harrow. H. C. Copenhagen. No. 1,077,455; Nov. 4; Gaz. vol. 196; p. 76.
- Harrow. A. L. Garlough. No. 1,078,915; Nov. 18; Gaz. vol. 196; p. 640.
- Harrow. O. Erikson. No. 1,079,752; Nov. 25; Gaz. vol. 196; p. 961.
- Harrow. L. E. Waterman. No. 1,081,918; Dec. 16; Gaz. vol. 197; p. 749.
- Harrow, Adjustable. J. Desalvo. No. 1,049,683; Jan. 7; Gaz. vol. 186; p. 125.
- Harrow, Adjustable. J. T. Hill. No. 1,069,420; Aug. 5; Gaz. vol. 193; p. 117.
- Harrow and cultivator. A. Stavinoha. No. 1,080,663; Dec. 9; Gaz. vol. 197; p. 289.
- Harrow and cultivator. Riding. W. W. McArthur. No. 1,074,444; Sept. 30; Gaz. vol. 194; p. 1071.
- Harrow and land-roller. Combined. G. C. E. C., and W. B. Hollyfield. No. 1,068,772; July 29; Gaz. vol. 192; p. 1123.
- Harrow and pulverizer. Revolving-knife. W. W. Jackson. No. 1,082,749; Dec. 30; Gaz. vol. 197; p. 1099.
- Harrow and roller. Combined disk. J. W. Hill. No. 1,054,293; Feb. 25; Gaz. vol. 187; p. 948.
- Harrow and roller. Combined ground. P. P. Boland. No. 1,073,952; Sept. 23; Gaz. vol. 194; p. 879.
- Harrow attachment. D. T. Taylor and F. Barker. No. 1,055,498; Mar. 11; Gaz. vol. 188; p. 321.
- Harrow attachment. I. E. Andrew. No. 1,057,992; Apr. 1; Gaz. vol. 189; p. 203.
- Harrow attachment. W. G. Vance. No. 1,062,063; May 20; Gaz. vol. 190; p. 587.
- Harrow attachment. A. Smith. No. 1,076,070; Oct. 21; Gaz. vol. 195; p. 564.
- Harrow attachment, Disk-. J. B. Ridgway. No. 1,051,824; Jan. 28; Gaz. vol. 186; p. 953.
- Harrow attachment for planters and the like. J. B. Buntin. No. 1,057,033; Mar. 25; Gaz. vol. 188; p. 908.
- Harrow attachment, Sulky-. C. A. Naylor. No. 1,065,711; June 24; Gaz. vol. 191; p. 968.
- Harrow-bar. J. Kiel. No. 1,080,698; Dec. 9; Gaz. vol. 197; p. 302.
- Harrow, Disk. J. Olson. No. 1,060,280; Apr. 29; Gaz. vol. 189; p. 1147.
- Harrow, Disk. F. K. Lathrop. No. 1,073,428; Sept. 16; Gaz. vol. 194; p. 676.
- Harrow-disk. D. W. Bovee. No. 1,081,886; Dec. 16; Gaz. vol. 197; p. 738.
- Harrow, Flexible. F. E. Davis and W. W. Cameron. No. 1,067,506; July 15; Gaz. vol. 192; p. 619.
- Harrow, Flexible. W. Lutze. No. 1,069,557; Aug. 5; Gaz. vol. 193; p. 161.
- Harrow-folding device. P. Fischer. No. 1,051,835; Jan. 28; Gaz. vol. 186; p. 957.
- Harrow, Lister-. J. Kiel. No. 1,080,699; Dec. 9; Gaz. vol. 197; p. 302.
- Harrow, Lister-. J. Kiel. No. 1,081,386; Dec. 16; Gaz. vol. 197; p. 573.
- Harrow, Motor-. T. Camp. No. 1,073,026; Sept. 9; Gaz. vol. 194; p. 499.
- Harrow, Pulverizing-. W. C. Evans and R. Clements. No. 1,061,230; May 6; Gaz. vol. 190; p. 229.
- Harrow, Revolving. P. E. Tall. No. 1,051,172; Jan. 21; Gaz. vol. 186; p. 703.
- Harrow, Revolving. N. Iverson. No. 1,053,095; Feb. 11; Gaz. vol. 187; p. 461.
- Harrow, Riding-. J. R. Howell. No. 1,055,913; Mar. 11; Gaz. vol. 188; p. 458.
- Harrow riding attachment. L. E. Waterman. No. 1,064,266; June 10; Gaz. vol. 191; p. 409.
- Harrow, Rotary. L. Cowart. No. 1,051,199; Jan. 21; Gaz. vol. 186; p. 711.
- Harrow, Rotary. U. O. Downey. No. 1,056,514; Mar. 18; Gaz. vol. 188; p. 700.
- Harrow, Spike-tooth. J. E. Percy. No. 1,054,712; Mar. 4; Gaz. vol. 188; p. 19.
- Harrow-tooth. R. P. Rutledge and R. G. Boland. No. 1,061,570; May 13; Gaz. vol. 190; p. 383.
- Harrow-tooth clip. S. L. Cluett. No. 1,063,508; June 3; Gaz. vol. 191; p. 114.
- Harrow-tooth, Spring. E. T. Collings. No. 1,077,806; Nov. 4; Gaz. vol. 196; p. 194.
- Harvester. C. B. Hazard. No. 1,051,839; Jan. 28; Gaz. vol. 186; p. 958.
- Harvester. M. and O. Helgeson. No. 1,057,392; Mar. 25; Gaz. vol. 188; p. 1026.
- Harvester. J. E. Gilson. No. 1,063,967; June 10; Gaz. vol. 191; p. 307.
- Harvester. C. L. Best. No. 1,064,812; June 17; Gaz. vol. 191; p. 630.
- Harvester. J. F. Appleby. No. 1,069,997; Aug. 12; Gaz. vol. 193; p. 342.
- Harvester and seeder. Broom-corn. H. S. Thomas. No. 1,077,863; Nov. 4; Gaz. vol. 196; p. 212.
- Harvester, Bean-. C. R. and O. O. Keller. No. 1,053,298; Feb. 18; Gaz. vol. 187; p. 573.
- Harvester, Bean-. V. C. Bryant. No. 1,053,567; Feb. 18; Gaz. vol. 187; p. 667.
- Harvester, Bean-. C. R. and O. O. Keller. No. 1,058,757; Apr. 15; Gaz. vol. 189; p. 549.
- Harvester, Bean-. C. R. and O. O. Keller. No. 1,059,301; Apr. 15; Gaz. vol. 189; p. 738.
- Harvester, Beet-. J. Böcker. No. 1,060,968; May 6; Gaz. vol. 190; p. 141.
- Harvester, Beet-. G. L. Shane. No. 1,067,378; July 15; Gaz. vol. 192; p. 575.
- Harvester, Beet-. C. L. Sladinska. No. 1,067,884; July 22; Gaz. vol. 192; p. 780.
- Harvester, Beet-. J. Böcker. No. 1,069,380; Aug. 5; Gaz. vol. 193; p. 103.
- Harvester, Beet-. J. A. Fanger. No. 1,072,218; Sept. 2; Gaz. vol. 194; p. 186.
- Harvester, Beet-. F. Duhsel. No. 1,074,610; Oct. 7; Gaz. vol. 195; p. 7.
- Harvester, Beet-. E. S. Ramsey. No. 1,075,440; Oct. 14; Gaz. vol. 195; p. 322.
- Harvester, Beet-. C. Powlison. No. 1,075,939; Oct. 14; Gaz. vol. 195; p. 491.
- Harvester, Beet-. J. Duval. No. 1,076,411; Oct. 21; Gaz. vol. 195; p. 682.

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- Harvester, Beet-, M. Van Voorst. No. 1,081,349; Dec. 16; Gaz. vol. 197; p. 560.
- Harvester, Blue-grass-seed-, S. E. McCormick. No. 1,063,812; June 3; Gaz. vol. 191; p. 221.
- Harvester, Corn-, E. Mott. No. 1,050,979; Jan. 21; Gaz. vol. 186; p. 636.
- Harvester, Corn-, W. M. Platt. No. 1,067,059; July 8; Gaz. vol. 192; p. 428.
- Harvester, Corn-, E. T. Cox. No. 1,067,644; July 15; Gaz. vol. 192; p. 666.
- Harvester, Corn-, C. H. Habecker. No. 1,068,647; July 29; Gaz. vol. 192; p. 1080.
- Harvester, Cotton-, H. S. Greene. No. 1,057,236; Mar. 25; Gaz. vol. 188; p. 977.
- Harvester, Cotton-, L. L. Upshaw. No. 1,079,585; Nov. 25; Gaz. vol. 196; p. 902.
- Harvester-headboard-, G. L. Cotter. No. 1,075,696; Oct. 14; Gaz. vol. 195; p. 408.
- Harvester, Pea-vine-, J. M. Turrentine. No. 1,057,688; Apr. 1; Gaz. vol. 189; p. 100.
- Harvester picker-stem-, G. Lispenard. No. 1,059,478; Apr. 22; Gaz. vol. 189; p. 837.
- Harvester, Seaweed-, G. H. Eunis. No. 1,080,144; Dec. 2; Gaz. vol. 197; p. 79.
- Harvester, Stalk-, A. N. Hadley. No. 1,061,473; May 13; Gaz. vol. 190; p. 347.
- Harvester, Straw-binding-, C. E. Roberts. No. 1,050,296; Jan. 14; Gaz. vol. 186; p. 365.
- Harvester, Tobacco-, C. De Leon. No. 1,055,023; Mar. 4; Gaz. vol. 188; p. 126.
- Harvesters, Conveyer-protector for-, D. H. Atwood. No. 1,060,059; Apr. 29; Gaz. vol. 189; p. 1071.
- Harvesters from traction-engines, Gang-frame attachment for driving-, A. H. Siemen. No. 1,080,935; Dec. 9; Gaz. vol. 197; p. 385.
- Harvesters, Grain-cleaner for-, R. Brown. No. 1,064,440; June 10; Gaz. vol. 191; p. 470.
- Harvesters, Grain-lifting attachment for-, M. C. Graney. No. 1,073,979; Sept. 23; Gaz. vol. 194; p. 888.
- Harvesters or binders, Topper attachment for corn-, D. E. Cloud. No. 1,053,278; Feb. 18; Gaz. vol. 187; p. 567.
- Harvesters, Topping mechanism for vegetable-, O. W. Fisher. No. 1,082,625; Dec. 30; Gaz. vol. 197; p. 1055.
- Harvesters, Wheel-setting mechanism for-, C. R. Herpel. No. 1,075,148; Oct. 7; Gaz. vol. 195; p. 193.
- Harvesting and husking machine, Corn-, A. P. Gubrud. No. 1,056,665; Mar. 18; Gaz. vol. 188; p. 749.
- Harvesting-machine-, C. B. Hazard. No. 1,051,579; Jan. 28; Gaz. vol. 186; p. 874.
- Harvesting-machine-, E. B. Little. No. 1,065,695; June 24; Gaz. vol. 191; p. 963.
- Harvesting-machine-, S. J. Rice. No. 1,073,819; Sept. 23; Gaz. vol. 194; p. 832.
- Harvesting machine, Beet-, C. L. Ferman and A. Lane. No. 1,050,633; Jan. 14; Gaz. vol. 186; p. 482.
- Harvesting machine, Beet-, V. Bang. No. 1,059,589; Apr. 22; Gaz. vol. 189; p. 873.
- Harvesting machine, Beet-, E. A. Rasey. No. 1,071,794; Sept. 2; Gaz. vol. 194; p. 44.
- Harvesting machine, Beet-, W. Haster. No. 1,077,978; Nov. 11; Gaz. vol. 196; p. 284.
- Harvesting machine, Corn-, F. H. Rollins. No. 1,049,399; Jan. 7; Gaz. vol. 186; p. 28.
- Harvesting machine, Corn-, F. H. Rollins and M. H. Snow. No. 1,049,400; Jan. 7; Gaz. vol. 186; p. 28.
- Harvesting machine, Corn-, F. H. Rollins and M. H. Snow. No. 1,049,401; Jan. 7; Gaz. vol. 186; p. 29.
- Harvesting machine, Corn-, F. H. Pettit. No. 1,051,257; Jan. 21; Gaz. vol. 186; p. 730.
- Harvesting machine, Corn-, O. P. Vroom. No. 1,073,572; Sept. 16; Gaz. vol. 194; p. 725.
- Harvesting machine, Corn-, W. S. Baird. No. 1,077,963; Nov. 4; Gaz. vol. 196; p. 248.
- Harvesting machine, Cotton-, J. F. Appleby. No. 1,067,576; July 15; Gaz. vol. 192; p. 641.
- Harvesting machine, Hay-, C. A. Sumwalt. No. 1,070,359; Aug. 12; Gaz. vol. 193; p. 466.
- Harvesting machine, Hay-, C. A. Sumwalt. No. 1,078,468; Nov. 11; Gaz. vol. 196; p. 454.
- Harvesting-machine-reef support-, J. F. Steward. No. 1,056,718; Mar. 18; Gaz. vol. 188; p. 768.
- Harvesting-machines, Cutting apparatus for-, C. H. Kugler. No. 1,078,101; Nov. 11; Gaz. vol. 196; p. 327.
- Harvesting-machines, Cutting mechanism for-, W. M. Jacobs and S. L. Payne. No. 1,053,289; Feb. 18; Gaz. vol. 187; p. 571.
- Harvesting-machines, Motor-supporting bracket for-, E. B. Cushman. No. 1,073,099; Sept. 16; Gaz. vol. 194; p. 561.
- Harvesting-machines, Pitman connection for-, A. C. Dickhute. No. 1,062,444; May 20; Gaz. vol. 190; p. 715.
- Harvesting-sack supporter-, H. Heard. No. 1,082,695; Dec. 30; Gaz. vol. 197; p. 1079.
- Harvesting, threshing, and chaff-cutting machines, hay loaders, &c., Conveying and elevating mechanism for-, F. Orbell. No. 1,052,372; Feb. 4; Gaz. vol. 187; p. 179.
- Hasp, J. N. Edelin. No. 1,062,230; May 20; Gaz. vol. 190; p. 645.
- Hasp, P. Frantz. No. 1,070,244; Aug. 12; Gaz. vol. 193; p. 427.
- Hasp, R. G. Poston. No. 1,071,461; Aug. 26; Gaz. vol. 193; p. 911.
- Hasp, J. H. Boye. No. 1,078,990; Nov. 18; Gaz. vol. 196; p. 666.
- Hasp and latch, Combined-, D. D. Nolley. No. 1,053,212; Feb. 18; Gaz. vol. 187; p. 544.
- Hasp, Door-, G. E. Seymour. No. 1,066,537; July 8; Gaz. vol. 192; p. 250.
- Hasp, Door-, P. Farwell. No. 1,082,938; Dec. 30; Gaz. vol. 197; p. 1163.
- Hasp-fastener-, C. I. Gault. No. 1,057,339; Mar. 25; Gaz. vol. 188; p. 1009.
- Hasp-fastener-, H. C. Baker. No. 1,061,032; May 6; Gaz. vol. 190; p. 165.
- Hasp-fastener-, F. X. Maier and P. Frantz. No. 1,070,274; Aug. 12; Gaz. vol. 193; p. 437.
- Hasp-fastener-, D. L. Ervin. No. 1,078,037; Nov. 11; Gaz. vol. 196; p. 305.
- Hasp-fastener-, R. Bruce. No. 1,079,390; Nov. 25; Gaz. vol. 196; p. 834.
- Hasp-lock, J. V. Thompson. No. 1,057,899; Apr. 1; Gaz. vol. 189; p. 172.
- Hasp, Safety door-, J. B. Crane. No. 1,062,821; May 27; Gaz. vol. 190; p. 881.
- Hat, J. Hutter. No. 1,052,343; Feb. 4; Gaz. vol. 187; p. 170.
- Hat, J. Cavanagh. No. 1,053,973; Feb. 25; Gaz. vol. 187; p. 841.
- Hat, B. H. Nichols. No. 1,062,025; May 20; Gaz. vol. 190; p. 574.
- Hat, A. C. Swanson. No. 1,062,668; May 27; Gaz. vol. 190; p. 831.
- Hat, M. S. Twombly. No. 1,064,261; June 10; Gaz. vol. 191; p. 408.
- Hat attachment-, J. Sauter. No. 1,074,982; Oct. 7; Gaz. vol. 195; p. 133.
- Hat attachment-, W. D. Reese. No. 1,081,333; Dec. 16; Gaz. vol. 197; p. 555.
- Hat-block-, F. B. Vanderhoef. No. 1,059,239; Apr. 15; Gaz. vol. 189; p. 716.
- Hat-blocking apparatus-, M. Flicker. No. 1,080,820; Dec. 9; Gaz. vol. 197; p. 348.
- Hat-bodies by napping, Making velour-, F. J. Muhlfield. No. 1,066,746; July 8; Gaz. vol. 192; p. 325.
- Hat-bodies, Flattening conical-, F. J. Muhlfield. No. 1,052,504; Feb. 11; Gaz. vol. 187; p. 259.
- Hat-bodies, Machine for wet-brushing-, J. H. Starr. No. 1,052,857; Feb. 11; Gaz. vol. 187; p. 378.
- Hat-body-forming machines, Automatic feeding and weighing attachment for-, L. Hafemann. No. 1,056,536; Mar. 18; Gaz. vol. 188; p. 707.
- Hat-box, Folding-, A. I. Selcer. No. 1,080,596; Dec. 9; Gaz. vol. 197; p. 268.
- Hat-box lifter-, E. R. Jones. No. 1,059,469; Apr. 22; Gaz. vol. 189; p. 834.
- Hat-brim heater-, M. Hershkowitz and J. Friedman. No. 1,061,909; May 13; Gaz. vol. 190; p. 492.
- Hat card-holder-, A. M. Shive. No. 1,081,630; Dec. 16; Gaz. vol. 197; p. 651.
- Hat-case, Lady's-, N. H. Ward. No. 1,073,191; Sept. 16; Gaz. vol. 194; p. 592.
- Hat, coat, cane, opera-glass, hand-bag, and umbrella holder-, J. W. Vaughn. No. 1,051,930; Feb. 4; Gaz. vol. 187; p. 28.
- Hat-curling machine, Soft-, S. J. Miller. No. 1,060,275; Apr. 29; Gaz. vol. 189; p. 1145.
- Hat-embossing means-, J. F. Blake. No. 1,050,795; Jan. 21; Gaz. vol. 186; p. 570.
- Hat-fastener-, K. Keplinger. No. 1,054,648; Feb. 25; Gaz. vol. 187; p. 1070.
- Hat-fastener-, J. F. Zetka. No. 1,056,083; Mar. 18; Gaz. vol. 188; p. 551.
- Hat-fastener-, L. Mueller. No. 1,058,323; Apr. 8; Gaz. vol. 189; p. 364.
- Hat-fastener-, G. L. Rasmussen. No. 1,060,025; Apr. 29; Gaz. vol. 189; p. 1060.
- Hat-fastener-, E. L. McHenry. No. 1,061,682; May 13; Gaz. vol. 190; p. 422.
- Hat-fastener-, A. B. Clingeffer. No. 1,063,855; June 3; Gaz. vol. 191; p. 235.
- Hat-fastener-, K. Merzik. No. 1,064,239; June 10; Gaz. vol. 191; p. 401.
- Hat-fastener-, J. Simon. No. 1,066,331; July 1; Gaz. vol. 192; p. 151.
- Hat-fastener-, H. Schmidt. No. 1,066,422; July 1; Gaz. vol. 192; p. 179.
- Hat-fastener-, I. Braveman and J. Schmidt. No. 1,071,691; Sept. 2; Gaz. vol. 194; p. 7.
- Hat-fastener-, E. T. Miller. No. 1,073,507; Sept. 16; Gaz. vol. 194; p. 702.
- Hat-fastener-, A. Homberg. No. 1,081,669; Dec. 16; Gaz. vol. 197; p. 664.
- Hat-fastener-, W. A. Kitts, Jr. No. 1,081,967; Dec. 23; Gaz. vol. 197; p. 794.
- Hat-fastener-, O. Thielhaus. No. 1,082,180; Dec. 23; Gaz. vol. 197; p. 866.
- Hat-fastener-, L. M. Beatson. No. 1,082,789; Dec. 30; Gaz. vol. 197; p. 1113.
- Hat-fastener, Lady's-, S. C. May. No. 1,078,793; Nov. 18; Gaz. vol. 196; p. 599.

Alphabetical list of inventions—Continued.

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- Hat-fastening device. F. W. Krech. No. 1,070,703; Aug. 19; Gaz. vol. 193; p. 626.
- Hat-fastening device. F. W. Krech. No. 1,070,704; Aug. 19; Gaz. vol. 193; p. 626.
- Hat-hanging machine. T. J. MacDonald. No. 1,049,885; Jan. 7; Gaz. vol. 186; p. 192.
- Hat-frame. W. B. Foster. No. 1,056,018; Mar. 18; Gaz. vol. 188; p. 529.
- Hat-hanger. J. Mendelson. No. 1,069,893; Aug. 12; Gaz. vol. 193; p. 308.
- Hat-holder. G. P. Dewees. No. 1,065,117; June 17; Gaz. vol. 191; p. 730.
- Hat-identifying device. G. von Schantz. No. 1,062,421; May 20; Gaz. vol. 190; p. 708.
- Hat-lining, Removable sanitary. E. V. Houghton. No. 1,077,833; Nov. 4; Gaz. vol. 196; p. 202.
- Hat-machine. G. J. Barry and F. Bomenblit. No. 1,052,646; Feb. 11; Gaz. vol. 187; p. 306.
- Hat-marker. J. H. McCord. No. 1,063,565; June 3; Gaz. vol. 191; p. 134.
- Hat-marker, Metal. H. Holmes. No. 1,055,909; Mar. 11; Gaz. vol. 188; p. 457.
- Hat-packing-ring machine. A. W. Cash. No. 1,060,740; May 6; Gaz. vol. 190; p. 61.
- Hat-pin. C. A. Ludwig. No. 1,053,840; Feb. 18; Gaz. vol. 187; p. 458.
- Hat-pin. S. Stransky. No. 1,055,568; Mar. 11; Gaz. vol. 188; p. 342.
- Hat-pin. H. C. Martin. No. 1,059,550; Apr. 22; Gaz. vol. 189; p. 861.
- Hat-pin. S. Berliner. No. 1,061,038; May 6; Gaz. vol. 190; p. 167.
- Hat-pin. D. Perkins, Jr. No. 1,062,498; May 20; Gaz. vol. 190; p. 733.
- Hat-pin. A. B. Kokernot. No. 1,066,288; July 1; Gaz. vol. 192; p. 137.
- Hat-pin. A. B. Kokernot. No. 1,070,264; Aug. 12; Gaz. vol. 193; p. 433.
- Hat-pin. A. B. Kokernot. No. 1,070,265; Aug. 12; Gaz. vol. 193; p. 433.
- Hat-pin. L. M. Morgan. No. 1,073,360; Sept. 16; Gaz. vol. 194; p. 653.
- Hat-pin. D. Cutler. No. 1,076,353; Oct. 21; Gaz. vol. 195; p. 662.
- Hat-pin. W. O. Yancey and C. C. Du Mesnil. No. 1,079,625; Nov. 25; Gaz. vol. 196; p. 915.
- Hat-pin, Adjustable. F. A. Rojas. No. 1,062,417; May 20; Gaz. vol. 190; p. 707.
- Hat-pin and guard therefor. J. C. Meny. No. 1,057,572; Apr. 1; Gaz. vol. 189; p. 60.
- Hat-pin attachment. M. H. and B. H. Schmidt and A. R. Seberg. No. 1,061,410; May 13; Gaz. vol. 190; p. 326.
- Hat-pin attachment. F. Read. No. 1,064,008; June 10; Gaz. vol. 191; p. 322.
- Hat-pin guard. J. D. Webster. No. 1,055,582; Mar. 11; Gaz. vol. 188; p. 347.
- Hat-pin guard. W. M. Wilson. No. 1,059,691; Apr. 22; Gaz. vol. 189; p. 906.
- Hat-pin guard. J. W. Haskett. No. 1,059,729; Apr. 22; Gaz. vol. 189; p. 918.
- Hat-pin guard. J. Anderson. No. 1,061,212; May 6; Gaz. vol. 190; p. 223.
- Hat-pin guard. L. G. Zesbaugh. No. 1,064,808; June 17; Gaz. vol. 191; p. 629.
- Hat-pin guard. L. Rechtschaffen. No. 1,071,575; Aug. 26; Gaz. vol. 193; p. 948.
- Hat-pin guard. E. H. Mantle. No. 1,074,443; Sept. 30; Gaz. vol. 194; p. 1071.
- Hat-pin guard. J. Nemeth. No. 1,074,735; Oct. 7; Gaz. vol. 195; p. 51.
- Hat-pin guard. G. H. Judea. No. 1,078,683; Nov. 18; Gaz. vol. 196; p. 560.
- Hat-pin guard. B. V. Chapman. No. 1,081,888; Dec. 16; Gaz. vol. 197; p. 739.
- Hat-pin guard. A. L. Burger. No. 1,082,067; Dec. 23; Gaz. vol. 197; p. 829.
- Hat-pin, Lady's. W. G. Schmidt. No. 1,060,134; Apr. 29; Gaz. vol. 189; p. 1095.
- Hat-pin, Lady's. A. Wals. No. 1,073,881; Sept. 23; Gaz. vol. 194; p. 854.
- Hat-pin-point guard. F. H. Burns. No. 1,055,705; Mar. 11; Gaz. vol. 188; p. 389.
- Hat-pin-point-protecting device. J. E. Mangold. No. 1,054,431; Feb. 25; Gaz. vol. 187; p. 998.
- Hat-pin-point-protecting device. E. P. Anthony. No. 1,065,764; June 24; Gaz. vol. 191; p. 986.
- Hat-pin-point protector. A. G. Brutscher. No. 1,049,806; Jan. 7; Gaz. vol. 186; p. 166.
- Hat-pin-point protector. M. H. Peters. No. 1,051,620; Jan. 28; Gaz. vol. 186; p. 890.
- Hat-pin-point protector. F. F. Hilditch. No. 1,061,076; May 6; Gaz. vol. 190; p. 178.
- Hat-pin-point protector. J. Gadecki. No. 1,063,426; June 3; Gaz. vol. 191; p. 87.
- Hat-pin-point protector. J. W. Baxter and R. Davis. No. 1,063,765; June 3; Gaz. vol. 191; p. 206.
- Hat-pin-point protector. I. A. Soule. No. 1,063,840; June 3; Gaz. vol. 191; p. 231.
- Hat-pin-point protector. A. E. Kyllonen. No. 1,064,348; June 10; Gaz. vol. 191; p. 437.
- Hat-pin-point protector. W. Winklmann and E. Miller. No. 1,065,197; June 17; Gaz. vol. 191; p. 754.
- Hat-pin-point protector. W. Gramacki. No. 1,074,357; Sept. 30; Gaz. vol. 194; p. 1042.
- Hat-pin protector. R. M. Parks. No. 1,052,951; Feb. 11; Gaz. vol. 187; p. 411.
- Hat-pin protector. J. J. Simmonds. No. 1,058,914; Apr. 15; Gaz. vol. 189; p. 606.
- Hat-pin protector. A. Rewi. No. 1,060,126; Apr. 29; Gaz. vol. 189; p. 1092.
- Hat-pin protector. C. L. Cassidy. No. 1,060,427; Apr. 29; Gaz. vol. 189; p. 1200.
- Hat-pin protector. J. H. Eaton. No. 1,065,670; June 24; Gaz. vol. 191; p. 955.
- Hat-pin protector. E. Bonde. No. 1,067,637; July 15; Gaz. vol. 192; p. 663.
- Hat-pin protector. S. C. L. Brine. No. 1,069,845; Aug. 12; Gaz. vol. 193; p. 291.
- Hat-pin protector. R. D. Coleman. No. 1,073,959; Sept. 23; Gaz. vol. 194; p. 881.
- Hat-pin protector. A. E. Todd. No. 1,076,720; Oct. 28; Gaz. vol. 195; p. 845.
- Hat-pin retainer. J. Boland. No. 1,075,689; Oct. 14; Gaz. vol. 195; p. 406.
- Hat-pin, Safety. L. Myers. No. 1,075,931; Oct. 14; Gaz. vol. 195; p. 489.
- Hat-pin, Safety. E. H. Freeborn. No. 1,079,937; Dec. 2; Gaz. vol. 197; p. 5.
- Hat-pin safety appliance. J. Durschak. No. 1,057,390; Mar. 25; Gaz. vol. 188; p. 1026.
- Hat-pin shield. E. R. Murray. No. 1,064,158; June 10; Gaz. vol. 191; p. 374.
- Hat-pin shield, Lady's. J. M. Norwood. No. 1,077,155; Oct. 28; Gaz. vol. 195; p. 993.
- Hat-pins, Protective device or button for. P. T. Merrill. No. 1,054,706; Mar. 4; Gaz. vol. 188; p. 17.
- Hat-pouncing machine. M. Delohery. No. 1,068,574; July 29; Gaz. vol. 192; p. 1054.
- Hat-press. F. B. Vanderhoef. No. 1,059,238; Apr. 15; Gaz. vol. 189; p. 716.
- Hat-protector. S. Soneshein. No. 1,055,676; Mar. 11; Gaz. vol. 188; p. 378.
- Hat-protector. A. Hanzl. No. 1,070,459; Aug. 19; Gaz. vol. 193; p. 542.
- Hat-rack. F. P. Raiford. No. 1,050,562; Jan. 14; Gaz. vol. 186; p. 459.
- Hat-rack, Advertising. C. G. Phillips. No. 1,056,934; Mar. 25; Gaz. vol. 188; p. 873.
- Hat-retainer. G. C. White. No. 1,068,550; July 29; Gaz. vol. 192; p. 1045.
- Hat-retainer, Self-adjustable. H. Smith. No. 1,072,266; Sept. 2; Gaz. vol. 194; p. 201.
- Hat-securing device. J. Corcos. No. 1,070,778; Aug. 19; Gaz. vol. 193; p. 651.
- Hat-shape retainer, Adjustable. E. W. Farnsworth. No. 1,052,659; Feb. 11; Gaz. vol. 187; p. 311.
- Hat-shaping machine. L. Stevens. No. 1,053,668; Feb. 18; Gaz. vol. 187; p. 701.
- Hat-shaping machine. L. Stevens. No. 1,053,669; Feb. 18; Gaz. vol. 187; p. 701.
- Hat-shaping machine. L. Stevens. No. 1,070,745; Aug. 19; Gaz. vol. 193; p. 640.
- Hat, Straw. J. Veider. No. 1,071,374; Aug. 26; Gaz. vol. 193; p. 883.
- Hat, Straw. F. Wright. No. 1,082,060; Dec. 23; Gaz. vol. 197; p. 827.
- Hat-stretcher. K. Wickersheim. No. 1,065,856; June 24; Gaz. vol. 191; p. 1016.
- Hat-support. C. Appleby. No. 1,049,971; Jan. 7; Gaz. vol. 186; p. 220.
- Hat-tip-clipping machine. J. H. Starr. No. 1,059,687; Apr. 22; Gaz. vol. 189; p. 905.
- Hat-trimming machine. L. Bulasky. No. 1,059,341; Apr. 22; Gaz. vol. 189; p. 788.
- Hat-ventilator. J. C. G. Bonney. No. 1,061,593; May 13; Gaz. vol. 190; p. 391.
- Hat-ventilator. F. G. Durbin. No. 1,066,890; July 8; Gaz. vol. 192; p. 372.
- Hats, Apparatus for rapidly shaping. F. Stoffel. No. 1,080,731; Dec. 9; Gaz. vol. 197; p. 313.
- Hats, Blocking and finishing. A. Turner. No. 1,062,062; May 20; Gaz. vol. 190; p. 586.
- Hats, Carton for. F. S. Logee. No. 1,062,173; May 20; Gaz. vol. 190; p. 625.
- Hats in the rough, Making napped. H. W. Bates. No. 1,064,427; June 10; Gaz. vol. 191; p. 466.
- Hats, Making extension-crown. L. Stevens. No. 1,070,554; Aug. 19; Gaz. vol. 193; p. 576.
- Hats, Means for securing ladies'. S. A., R. A., and M. S. Hiskins. No. 1,068,053; July 22; Gaz. vol. 192; p. 837.
- Hats, Ornament-holder for. A. P. Bennett. No. 1,077,787; Nov. 4; Gaz. vol. 196; p. 187.
- Hats, Steadying-strip for. E. M. Forman. No. 1,065,039; June 17; Gaz. vol. 191; p. 703.
- Hatch-covering, Air-tight. W. W. Wotherspoon. No. 1,083,043; Dec. 30; Gaz. vol. 197; p. 1198.
- Haulage-clip. J. W. Smallman. No. 1,077,436; Nov. 4; Gaz. vol. 196; p. 69.

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- Haulage, Endless-rope. J. W. Smallman. No. 1,059,777; Apr. 22; Gaz. vol. 189; p. 935.
- Haulage systems, Driving mechanism for. G. E. Huttelmaier. No. 1,063,033; May 27; Gaz. vol. 190; p. 951.
- Hauling apparatus. C. O. Cole. No. 1,060,165; Apr. 29; Gaz. vol. 189; p. 1106.
- Hauling apparatus. C. O. Cole. No. 1,071,882; Sept. 2; Gaz. vol. 194; p. 74.
- Hawk and trowel, Combined. H. O. Bean. No. 1,078,122; Nov. 11; Gaz. vol. 196; p. 334.
- Hay and hog rack, Combination. J. E. Bright. No. 1,069,759; Aug. 12; Gaz. vol. 193; p. 261.
- Hay and other material, Apparatus for unloading. H. L. Duxstad. No. 1,054,095; Feb. 25; Gaz. vol. 187; p. 881.
- Hay and stock rack. J. McCaffrey. No. 1,059,184; Apr. 15; Gaz. vol. 189; p. 698.
- Hay-buck, Self-cleaning horse-lift. R. J. Francis. No. 1,077,059; Oct. 28; Gaz. vol. 195; p. 965.
- Hay-carrier. L. S. Pfouts. No. 1,069,722; Aug. 12; Gaz. vol. 193; p. 247.
- Hay-carrier. D. D. Miller and D. E. Rowland. No. 1,074,189; Sept. 30; Gaz. vol. 194; p. 986.
- Hay-carriers, Automatic return for. A. Burkhow. No. 1,080,045; Dec. 2; Gaz. vol. 197; p. 44.
- Hay curing and stacking device. J. F. Harris. No. 1,080,441; Dec. 2; Gaz. vol. 197; p. 184.
- Hay-curing rack. G. C. Starke. No. 1,059,780; Apr. 22; Gaz. vol. 189; p. 936.
- Hay, grain, &c. Covering for. W. A. Kennedy and J. Evans. No. 1,061,547; May 13; Gaz. vol. 190; p. 374.
- Hay-knife. J. F. Slusser. No. 1,082,363; Dec. 23; Gaz. vol. 197; p. 932.
- Hay-loader. O. F. Smith. No. 1,054,322; Feb. 25; Gaz. vol. 187; p. 958.
- Hay-loader. A. C. Lindgren and O. F. Smith. No. 1,054,358; Feb. 25; Gaz. vol. 187; p. 972.
- Hay-loader. R. J. Rasmussen. No. 1,057,579; Apr. 1; Gaz. vol. 189; p. 62.
- Hay-loader. S. M. Wixcel. No. 1,073,649; Sept. 23; Gaz. vol. 194; p. 773.
- Hay-loader. C. J. Patterson. No. 1,075,935; Oct. 14; Gaz. vol. 195; p. 490.
- Hay-loader. C. R. Davis. No. 1,076,194; Oct. 21; Gaz. vol. 195; p. 606.
- Hay-press. J. and A. Lapke. No. 1,050,032; Jan. 7; Gaz. vol. 186; p. 242.
- Hay-press. J. M. Storey. No. 1,057,592; Apr. 1; Gaz. vol. 189; p. 66.
- Hay-press. A. Chenette. No. 1,066,467; July 8; Gaz. vol. 192; p. 225.
- Hay-press. J. Olson. No. 1,071,259; Aug. 26; Gaz. vol. 193; p. 844.
- Hay-press. E. L. Tatum. No. 1,073,304; Sept. 16; Gaz. vol. 194; p. 633.
- Hay-press. J. M. Enyart. No. 1,079,751; Nov. 25; Gaz. vol. 196; p. 961.
- Hay-press attachment. J. H. Sawyer. No. 1,071,587; Aug. 26; Gaz. vol. 193; p. 952.
- Hay-presses, Automatic tier for. I. E. Ward. No. 1,078,023; Nov. 11; Gaz. vol. 196; p. 300.
- Hay-presses, Self-feeder for. O. F. and C. J. Duncan. No. 1,073,744; Sept. 23; Gaz. vol. 194; p. 809.
- Hay-rack. J. O. Mellom. No. 1,066,745; July 8; Gaz. vol. 192; p. 325.
- Hay-rack-removing appliance. E. Martin. No. 1,071,935; Sept. 2; Gaz. vol. 194; p. 92.
- Hay-rake. J. Olson. No. 1,050,992; Jan. 21; Gaz. vol. 186; p. 641.
- Hay-rake. A. B. McCombs. No. 1,062,784; May 27; Gaz. vol. 190; p. 868.
- Hay-rake. H. Torgersen. No. 1,064,569; June 10; Gaz. vol. 191; p. 514.
- Hay rake and loader. W. P. Gannon. No. 1,063,675; June 3; Gaz. vol. 191; p. 176.
- Hay-rake and side loader. J. A. Emenhiser. No. 1,077,821; Nov. 4; Gaz. vol. 196; p. 199.
- Hay rake and tedder. L. E. Waterman. No. 1,072,677; Sept. 9; Gaz. vol. 194; p. 373.
- Hay-rake, Push. J. H. Anderson. No. 1,063,938; June 3; Gaz. vol. 191; p. 264.
- Hay-rake, Side-delivery. C. E. White. No. 1,055,846; Mar. 11; Gaz. vol. 188; p. 437.
- Hay-rakes, Load-ejector for bull. I. M. Barnard and J. W. Lawler. No. 1,073,948; Sept. 23; Gaz. vol. 194; p. 878.
- Hay-scatterer. P. J. Anderson. No. 1,077,967; Nov. 11; Gaz. vol. 196; p. 281.
- Hay-sling. H. Morgen. No. 1,074,516; Sept. 30; Gaz. vol. 194; p. 1092.
- Hay-sling apparatus. E. C. Twining. No. 1,053,072; Feb. 11; Gaz. vol. 187; p. 452.
- Hay-tedder. J. R. Hinrichs. No. 1,055,908; Mar. 11; Gaz. vol. 188; p. 457.
- Hay-tester. W. E. Witt. No. 1,062,678; May 27; Gaz. vol. 190; p. 835.
- Head and arm rest. L. Styve. No. 1,080,732; Dec. 9; Gaz. vol. 197; p. 313.
- Head and face protector. J. Mincher. No. 1,061,962; May 13; Gaz. vol. 190; p. 511.
- Head and tail light control. W. G. Davis. No. 1,061,053; May 6; Gaz. vol. 190; p. 172.
- Head-covering. A. Hale. No. 1,057,825; Apr. 1; Gaz. vol. 189; p. 148.
- Head-covering provided with bands. A. Hale. No. 1,051,326; Jan. 21; Gaz. vol. 186; p. 754.
- Head-dress. G. Rawak. No. 1,082,648; Dec. 30; Gaz. vol. 197; p. 1062.
- Head-gate. H. L. and J. P. Ziegler. No. 1,065,761; June 24; Gaz. vol. 191; p. 985.
- Head-gate. J. Z. Hanson and W. D. Thomas. No. 1,083,093; Dec. 30; Gaz. vol. 197; p. 1215.
- Head-gate and water-measuring device, Combination. W. P. Border. No. 1,062,432; May 20; Gaz. vol. 190; p. 711.
- Head-gate for irrigation-ditches. M. I. Chapin. No. 1,059,116; Apr. 15; Gaz. vol. 189; p. 676.
- Head-gate, Irrigating. J. H. Cope. No. 1,056,006; Mar. 18; Gaz. vol. 188; p. 525.
- Head-rest. F. Ritter. No. 1,054,033; Feb. 25; Gaz. vol. 187; p. 861.
- Head-rest. I. C. Hicks. No. 1,054,844; Mar. 4; Gaz. vol. 188; p. 66.
- Head-steaming apparatus. A. F. Kniesche. No. 1,061,083; May 6; Gaz. vol. 190; p. 179.
- Header. V. Lauer. No. 1,052,833; Feb. 11; Gaz. vol. 187; p. 370.
- Header and thresher, Combined. T. Dugan. No. 1,051,491; Jan. 28; Gaz. vol. 186; p. 843.
- Header, Corn. H. C. Brown. No. 1,054,502; Feb. 25; Gaz. vol. 187; p. 1023.
- Header, Milo-maize and Kafir-corn. W. Jackson. No. 1,058,368; Apr. 8; Gaz. vol. 189; p. 380.
- Heading-shears. W. W. Hoover. No. 1,055,910; Mar. 11; Gaz. vol. 188; p. 457.
- Heading-up, setting-up, and windlassing machine. J. E. Young. No. 1,065,490; June 24; Gaz. vol. 191; p. 893.
- Headless bolt. A. E. Burridge. No. 1,075,759; Oct. 14; Gaz. vol. 195; p. 430.
- Headlight. F. Buchanan. No. 1,057,409; Apr. 1; Gaz. vol. 189; p. 6.
- Headlight. C. C. Bruff. No. 1,063,952; June 10; Gaz. vol. 191; p. 302.
- Headlight. R. H. Wappler. No. 1,068,717; July 29; Gaz. vol. 192; p. 1105.
- Headlight. O. F. Stifel. No. 1,070,199; Aug. 12; Gaz. vol. 193; p. 412.
- Headlight. B. Yoakum. No. 1,078,891; Nov. 18; Gaz. vol. 196; p. 632.
- Headlight. J. S. Walsh. No. 1,083,162; Dec. 30; Gaz. vol. 197; p. 1235.
- Headlight, Adjustable. H. E. A. Roche and C. Roy. No. 1,065,726; June 24; Gaz. vol. 191; p. 973.
- Headlight-adjuster for locomotives, Automatic. H. C. Rogers. No. 1,056,942; Mar. 25; Gaz. vol. 188; p. 876.
- Headlight and signal-lamp. W. Churchill. No. 1,057,935; Apr. 1; Gaz. vol. 189; p. 184.
- Headlight attachment. H. G. Cameron. No. 1,057,374; Mar. 25; Gaz. vol. 188; p. 1021.
- Headlight, Automatic. C. T. Hammack. No. 1,072,114; Sept. 2; Gaz. vol. 194; p. 152.
- Headlight, Automatic. B. H. Brown, G. W. Edwards, and E. T. Maxwell. No. 1,080,256; Dec. 2; Gaz. vol. 197; p. 118.
- Headlight, Automatic curve-showing. P. W. and P. S. Snyder. No. 1,071,814; Sept. 2; Gaz. vol. 194; p. 51.
- Headlight, Automobile. W. J. Mitchell and M. W. Atkins. No. 1,062,842; May 27; Gaz. vol. 190; p. 888.
- Headlight-burner. F. W. Dressel. No. 1,051,392; Jan. 28; Gaz. vol. 186; p. 809.
- Headlight, Changeable. V. Howard and J. P. Wrigley. No. 1,080,110; Dec. 2; Gaz. vol. 197; p. 68.
- Headlight control, Automobile. C. M. Crum. No. 1,065,784; June 24; Gaz. vol. 191; p. 992.
- Headlight control for automobiles. H. W. Potts. No. 1,074,527; Sept. 30; Gaz. vol. 194; p. 1096.
- Headlight-controller. R. W. and R. T. Brace. No. 1,068,100; July 22; Gaz. vol. 192; p. 852.
- Headlight-controlling device. C. H. Phillips. No. 1,053,866; Feb. 18; Gaz. vol. 187; p. 767.
- Headlight-cover. C. H. Chamberlain. No. 1,050,612; Jan. 14; Gaz. vol. 186; p. 476.
- Headlight-cut-off shade. M. F. Castleman. No. 1,051,388; Jan. 28; Gaz. vol. 186; p. 808.
- Headlight, Dirigible. G. Schmitt. No. 1,050,237; Jan. 14; Gaz. vol. 186; p. 344.
- Headlight, Dirigible. H. L. Galbraith. No. 1,058,421; Apr. 8; Gaz. vol. 189; p. 398.
- Headlight, Dirigible. F. Müller. No. 1,060,205; Apr. 29; Gaz. vol. 189; p. 1119.
- Headlight, Dirigible. L. M. G. Lourdin. No. 1,062,833; May 27; Gaz. vol. 190; p. 885.
- Headlight, Dirigible. E. Hoenisch. No. 1,075,825; Oct. 14; Gaz. vol. 195; p. 452.
- Headlight, Dirigible. F. H. Aubeuf. No. 1,076,402; Oct. 21; Gaz. vol. 195; p. 679.
- Headlight, Dirigible. A. C. Hendry. No. 1,081,113; Dec. 9; Gaz. vol. 197; p. 441.
- Headlight, Dirigible. B. F. Moye. No. 1,081,398; Dec. 16; Gaz. vol. 197; p. 576.
- Headlight, Electric. M. A. Ross. No. 1,056,585; Mar. 18; Gaz. vol. 188; p. 723.

Alphabetical list of inventions—Continued.

- Headlight, Flaming-arc. L. M. McBride. No. 1,062,408; May 20; Gaz. vol. 190; p. 704.
- Headlight for automobiles, Controllable. F. G. Anspach. No. 1,077,450; Nov. 4; Gaz. vol. 196; p. 74.
- Headlight for vehicles, Dirigible. W. R. Petty. No. 1,051,352; Jan. 21; Gaz. vol. 186; p. 762.
- Headlight for vehicles, Dirigible. J. A. Ellison. No. 1,057,228; Mar. 25; Gaz. vol. 188; p. 974.
- Headlight, Locomotive. J. L. Carnley. No. 1,082,623; Dec. 30; Gaz. vol. 197; p. 1054.
- Headlight, Movable locomotive. S. E. Simmons. No. 1,081,992; Dec. 23; Gaz. vol. 197; p. 803.
- Headlight-shifter. M. W. Harvey. No. 1,049,852; Jan. 7; Gaz. vol. 186; p. 182.
- Headlight-steering mechanism. F. H. Young and G. N. Cameron. No. 1,058,835; Apr. 15; Gaz. vol. 189; p. 578.
- Headlight-support, Dirigible. C. M. Oertel. No. 1,060,486; Apr. 29; Gaz. vol. 189; p. 1219.
- Headlight-support, Movable. N. G. Krimmel. No. 1,053,832; Feb. 18; Gaz. vol. 187; p. 756.
- Headlight, Vehicle. P. J. E. O'Brien. No. 1,083,126; Dec. 30; Gaz. vol. 197; p. 1225.
- Headlights, Glass-holding attachment for. G. E. Bryant and L. Kell. No. 1,050,335; Jan. 14; Gaz. vol. 186; p. 379.
- Headwear. A. McDermott. No. 1,056,433; Mar. 18; Gaz. vol. 188; p. 670.
- Heat-accumulator, Electric. A. Rittershausen. No. 1,070,734; Aug. 19; Gaz. vol. 193; p. 636.
- Heat-alarm, Automatic. J. G. Schlüchter. No. 1,076,157; Oct. 21; Gaz. vol. 195; p. 593.
- Heat-coils, Resetting device for. F. R. Chapin. No. 1,059,348; Apr. 22; Gaz. vol. 189; p. 791.
- Heat-conserving, heating, and cooking apparatus, Electric. G. G. Bell. No. 1,069,373; Aug. 5; Gaz. vol. 193; p. 100.
- Heat-controlling system. E. P. Culver. No. 1,063,780; June 3; Gaz. vol. 191; p. 211.
- Heat-distributing apparatus. L. A. Williams. No. 1,077,324; Nov. 4; Gaz. vol. 196; p. 29.
- Heat-engine. H. W. Shonnard. No. 1,072,180; Sept. 2; Gaz. vol. 194; p. 175.
- Heat equalizing and radiating plate. L. F. Fuller. No. 1,063,526; June 3; Gaz. vol. 191; p. 120.
- Heat-exchange apparatus, Tubular. C. H. Jaeger. No. 1,061,295; May 13; Gaz. vol. 190; p. 286.
- Heat-insulated can. L. R. Steel. No. 1,067,071; July 8; Gaz. vol. 192; p. 432.
- Heat-insulated receptacle. W. Stanley. No. 1,071,817; Sept. 2; Gaz. vol. 194; p. 52.
- Heat-insulating and thermo-electric purposes, Composition for. P. Ferra. No. 1,075,773; Oct. 14; Gaz. vol. 195; p. 435.
- Heat-insulating sheets from flax fiber, Machine for manufacturing. J. E. Lappen. No. 1,056,915; Mar. 25; Gaz. vol. 188; p. 865.
- Heat-interchanger. G. R. Jarman. No. 1,052,345; Feb. 4; Gaz. vol. 187; p. 171.
- Heat, Method of and means for insulating walls, ceilings, decks, bulkheads, or the like against the conduction of. R. Anderson. No. 1,060,056; Apr. 29; Gaz. vol. 189; p. 1069.
- Heat or fire alarm, Thermostatic. G. S. Simpson. No. 1,074,654; Oct. 7; Gaz. vol. 195; p. 24.
- Heat-radiating device. C. L. Bailey. No. 1,060,733; May 6; Gaz. vol. 190; p. 59.
- Heat-regulating apparatus. N. E. Nash. No. 1,057,446; Apr. 1; Gaz. vol. 189; p. 18.
- Heat-regulating apparatus. N. E. Nash. No. 1,060,780; May 6; Gaz. vol. 190; p. 73.
- Heat-regulator, Automatic. J. P. Quinn. No. 1,061,123; May 6; Gaz. vol. 190; p. 194.
- Heat-regulator, Automatic. A. P. Broomell. No. 1,068,216; July 22; Gaz. vol. 192; p. 892.
- Heat-storage device, Electrical. J. T. H. Dempster. No. 1,062,896; May 27; Gaz. vol. 190; p. 906.
- Heat-storage device for heating water or other liquids. G. G. Bell. No. 1,069,375; Aug. 5; Gaz. vol. 193; p. 101.
- Heat-transferring apparatus. R. R. Row. No. 1,064,775; June 17; Gaz. vol. 191; p. 619.
- Heater. *See* Air-heater; Air-blast heater; Automatic heater; Automobile-heater; Automobile radiator-heater; Bath-room heater; Creosote-heater; Curling-iron heater; Electric heater; Electrical heater; Feed-water heater; Flat-iron heater; Fluid-heater; Fountain-heater; Gas-heater; Hat-brim heater; Hot-water heater; Injector-heater; Oil-heater; Orchard-heater; Pail-heater; Portable heater; Radiator-heater; Sad-iron heater; Solar heater; Subterranean heater; Surface-heater; Tank-heater; Tire-heater; Tree-heater; Water-heater; Water-circulating-system heater; Wheat-heater.
- Heater. P. M. Bradley. No. 1,051,072; Jan. 21; Gaz. vol. 186; p. 668.
- Heater. B. Columbus. No. 1,053,012; Feb. 11; Gaz. vol. 187; p. 430.
- Heater. W. E. Sharp. No. 1,054,462; Feb. 25; Gaz. vol. 187; p. 1007.
- Heater. F. D. Schneider. No. 1,054,944; Mar. 4; Gaz. vol. 188; p. 98.
- Heater. N. H. Lines. No. 1,056,345; Mar. 18; Gaz. vol. 188; p. 638.
- Heater. J. S. Lindquist. No. 1,056,807; Mar. 25; Gaz. vol. 188; p. 828.
- Heater. O. S. Beyer. No. 1,057,404; Apr. 1; Gaz. vol. 189; p. 5.
- Heater. V. Lansingh. No. 1,058,988; Apr. 15; Gaz. vol. 189; p. 631.
- Heater. W. R. Jeavons. No. 1,061,079; May 6; Gaz. vol. 190; p. 179.
- Heater. W. F. Dewey. No. 1,061,825; May 13; Gaz. vol. 190; p. 466.
- Heater. E. W. Dunn. No. 1,067,009; July 8; Gaz. vol. 192; p. 412.
- Heater. L. E. Church and J. A. Cooney. No. 1,068,322; July 22; Gaz. vol. 192; p. 930.
- Heater. W. S. Elliott. No. 1,073,109; Sept. 16; Gaz. vol. 194; p. 564.
- Heater. W. F. Pascoe, Jr. No. 1,074,194; Sept. 30; Gaz. vol. 194; p. 988.
- Heater. W. F. Pascoe, Jr. No. 1,074,195; Sept. 30; Gaz. vol. 194; p. 988.
- Heater. F. D. Schneider. No. 1,077,761; Nov. 4; Gaz. vol. 196; p. 179.
- Heater. J. J. Plucker. No. 1,079,511; Nov. 25; Gaz. vol. 196; p. 875.
- Heater. A. Jensen. No. 1,080,454; Dec. 2; Gaz. vol. 197; p. 188.
- Heater. C. H. Hook. No. 1,081,306; Dec. 16; Gaz. vol. 197; p. 545.
- Heater and fuel-economizer. C. C. Cooper and H. F. Richter. No. 1,063,912; June 3; Gaz. vol. 191; p. 254.
- Heater-humidifier. W. P. Klobukowski. No. 1,057,851; Apr. 1; Gaz. vol. 189; p. 157.
- Heater or condenser. K. M. Dahl. No. 1,038,742; July 29; Gaz. vol. 192; p. 1113.
- Heater or muffler attachment. H. S. Case. No. 1,055,708; Mar. 11; Gaz. vol. 188; p. 389.
- Heating and cooking element, Universal electric induction. J. L. Anderson. No. 1,052,119; Feb. 4; Gaz. vol. 187; p. 96.
- Heating and illuminating burner, Combined. M. L. Packer. No. 1,074,560; Sept. 30; Gaz. vol. 194; p. 1107.
- Heating and mixing plant. H. W. Ash. No. 1,067,210; July 8; Gaz. vol. 192; p. 481.
- Heating and shaping device. L. Fineberg. No. 1,068,638; July 29; Gaz. vol. 192; p. 1077.
- Heating and ventilating buildings. C. E. Beery. No. 1,069,103; Aug. 5; Gaz. vol. 193; p. 5.
- Heating and ventilating system. D. D. Harr. No. 1,054,688; Mar. 4; Gaz. vol. 188; p. 11.
- Heating and ventilating system. L. C. Smith. No. 1,067,201; July 8; Gaz. vol. 192; p. 478.
- Heating and ventilation, Combined system of regenerative. S. Fisher. No. 1,059,600; Apr. 22; Gaz. vol. 189; p. 876.
- Heating apparatus. J. Erskine. No. 1,060,975; May 6; Gaz. vol. 190; p. 143.
- Heating apparatus. G. F. Machlet, Jr. No. 1,068,065; July 22; Gaz. vol. 192; p. 840.
- Heating apparatus. L. W. Millis. No. 1,075,116; Oct. 7; Gaz. vol. 195; p. 181.
- Heating apparatus. G. B. Collier. No. 1,077,041; Oct. 28; Gaz. vol. 195; p. 959.
- Heating apparatus. N. B. Wales. No. 1,077,378; Nov. 4; Gaz. vol. 196; p. 48.
- Heating apparatus. N. B. Wales. No. 1,077,379; Nov. 4; Gaz. vol. 196; p. 48.
- Heating apparatus. N. B. Wales. No. 1,079,381; Nov. 25; Gaz. vol. 196; p. 830.
- Heating apparatus. D. J. F. Buck. No. 1,080,258; Dec. 2; Gaz. vol. 197; p. 119.
- Heating apparatus. F. Craig. No. 1,081,891; Dec. 16; Gaz. vol. 197; p. 740.
- Heating apparatus, Electric. O. A. Colby. No. 1,068,740; July 29; Gaz. vol. 192; p. 1112.
- Heating apparatus, Electrical. H. M. Wicker. No. 1,061,433; May 13; Gaz. vol. 190; p. 333.
- Heating apparatus for tableware. L. Mohrenwitz. No. 1,049,385; Jan. 7; Gaz. vol. 186; p. 23.
- Heating apparatus, Liquid-fuel. F. P. Shoemaker. No. 1,073,534; Sept. 16; Gaz. vol. 194; p. 711.
- Heating apparatus, Solar. M. De la Garza. No. 1,081,098; Dec. 9; Gaz. vol. 197; p. 436.
- Heating apparatus, Steam. E. F. Osborne. No. 1,049,595; Jan. 7; Gaz. vol. 186; p. 96.
- Heating apparatus, Thermosiphon. I. J. O'Malley. No. 1,050,038; Jan. 7; Gaz. vol. 186; p. 244.
- Heating apparatus, Vehicle. D. Cline. No. 1,052,318; Feb. 4; Gaz. vol. 187; p. 161.
- Heating appliance. A. F. Harrison and O. L. Peard. No. 1,054,409; Feb. 25; Gaz. vol. 187; p. 990.
- Heating appliance. A. F. Burdick. No. 1,069,599; Aug. 5; Gaz. vol. 193; p. 175.
- Heating device. W. A. Hext. No. 1,069,256; Aug. 5; Gaz. vol. 193; p. 60.
- Heating device. F. D. Holdsworth. No. 1,072,728; Sept. 9; Gaz. vol. 194; p. 390.

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- Heating device, Electric. W. S. Hadaway, Jr. No. 1,063,535; June 3; Gaz. vol. 191; p. 122.
- Heating device, Electric. W. S. Hadaway, Jr. No. 1,068,763; July 29; Gaz. vol. 192; p. 1120.
- Heating device, Electrical. G. A. Hughes. No. 1,068,658; July 29; Gaz. vol. 192; p. 1084.
- Heating device for baths and the like. J. R. Carter. No. 1,074,694; Oct. 7; Gaz. vol. 195; p. 38.
- Heating devices, Combustion indicator and recorder for. A. W. K. Billings. No. 1,050,332; Jan. 14; Gaz. vol. 186; p. 378.
- Heating element. J. F. Lamb. No. 1,060,264; Apr. 29; Gaz. vol. 189; p. 1141.
- Heating element, Electric. T. M. Caven. No. 1,074,928; Oct. 7; Gaz. vol. 195; p. 116.
- Heating element, Electric. D. Huntley. No. 1,081,233; Dec. 9; Gaz. vol. 197; p. 482.
- Heating element, Electric. A. A. Warner. No. 1,081,414; Dec. 16; Gaz. vol. 197; p. 582.
- Heating-furnace. R. Smith and R. Stephenson. No. 1,052,183; Feb. 4; Gaz. vol. 187; p. 118.
- Heating-furnace. J. W. Galvin. No. 1,057,338; Mar. 25; Gaz. vol. 188; p. 1009.
- Heating-furnace. A. Glass. No. 1,074,258; Sept. 30; Gaz. vol. 194; p. 1009.
- Heating furnace, Air-. P. Hollenbeck. No. 1,069,952; Aug. 12; Gaz. vol. 193; p. 326.
- Heating-iron. P. Santurello. No. 1,073,933; Sept. 23; Gaz. vol. 194; p. 872.
- Heating liquids by electricity, Apparatus for. J. von Hentzel. No. 1,081,114; Dec. 9; Gaz. vol. 197; p. 441.
- Heating material by electricity. W. S. Franklin. No. 1,068,643; July 29; Gaz. vol. 192; p. 1078.
- Heating method and apparatus. G. G. Bell and J. S. Pletts. No. 1,069,371; Aug. 5; Gaz. vol. 193; p. 99.
- Heating method and apparatus. G. G. Bell and J. S. Pletts. No. 1,069,378; Aug. 5; Gaz. vol. 193; p. 107.
- Heating pad, blanket, robe, and the like, Electric. F. R. Whittlesey. No. 1,058,825; Apr. 15; Gaz. vol. 189; p. 574.
- Heating process and apparatus. G. T. Voorhees. No. 1,066,348; July 1; Gaz. vol. 192; p. 157.
- Heating system. T. P. Smart. No. 1,050,397; Jan. 14; Gaz. vol. 186; p. 400.
- Heating system. R. M. Dixon. No. 1,052,900; Feb. 11; Gaz. vol. 187; p. 393.
- Heating system. G. E. Hulse. No. 1,052,923; Feb. 11; Gaz. vol. 187; p. 402.
- Heating system. C. G. Armstrong. No. 1,056,143; Mar. 18; Gaz. vol. 188; p. 572.
- Heating system. F. L. Rice. No. 1,057,454; Apr. 1; Gaz. vol. 189; p. 20.
- Heating system. O. A. Ross. No. 1,061,635; May 13; Gaz. vol. 190; p. 405.
- Heating system. J. A. Trane. No. 1,062,061; May 20; Gaz. vol. 190; p. 586.
- Heating system. R. M. Dixon. No. 1,062,639; May 27; Gaz. vol. 190; p. 822.
- Heating system. J. O. Olson and C. S. Carlberg. No. 1,065,074; June 17; Gaz. vol. 191; p. 716.
- Heating system. E. E. Allbee. No. 1,078,761; Nov. 18; Gaz. vol. 196; p. 587.
- Heating system, Automatically-regulated. D. J. Powers. No. 1,065,393; June 24; Gaz. vol. 191; p. 859.
- Heating system, Hot-blast. H. C. Mallory. No. 1,061,679; May 13; Gaz. vol. 190; p. 421.
- Heating-system regulator. G. E. Hulse. No. 1,055,637; Mar. 11; Gaz. vol. 188; p. 365.
- Heating system, Steam-. E. E. Gold. No. 1,052,814; Feb. 11; Gaz. vol. 187; p. 364.
- Heating system, Steam-. T. G. Mouat. No. 1,058,781; Apr. 15; Gaz. vol. 189; p. 557.
- Heating system, Steam-. E. E. Gold. No. 1,059,356; Apr. 22; Gaz. vol. 189; p. 793.
- Heating system, Steam-. A. C. Durdin, Jr. No. 1,065,226; June 17; Gaz. vol. 191; p. 764.
- Heating system, Steam-. J. E. Ward. No. 1,065,568; June 24; Gaz. vol. 191; p. 920.
- Heating system, Steam-. J. L. Sparks and E. R. Eddins. No. 1,067,769; July 15; Gaz. vol. 192; p. 707.
- Heating system, Steam-. T. W. Cooper. No. 1,079,637; Nov. 25; Gaz. vol. 196; p. 918.
- Heating system, Steam-. J. G. Midgley. No. 1,081,509; Dec. 16; Gaz. vol. 197; p. 614.
- Heating system, Supplementary. C. W. Baldwin. No. 1,050,086; Jan. 7; Gaz. vol. 186; p. 261.
- Heating system, Vacuum steam-. W. H. Crowley and A. Fitzgerald. No. 1,071,214; Aug. 26; Gaz. vol. 193; p. 829.
- Heating system, Vacuum steam-. M. P. Osbourn. No. 1,075,490; Oct. 14; Gaz. vol. 195; p. 338.
- Heating systems, Combined automatic trap and damper control for steam-. P. J. Kelly. No. 1,059,302; Apr. 15; Gaz. vol. 189; p. 738.
- Heating systems, Means for regulating steam-. L. C. Ord. No. 1,076,444; Oct. 21; Gaz. vol. 195; p. 694.
- Heating systems, Thermostatic controlling apparatus for. T. Farmer, Jr. No. 1,072,707; Sept. 9; Gaz. vol. 194; p. 383.
- Heating unit. B. Falkenburg. No. 1,065,037; June 17; Gaz. vol. 191; p. 703.
- Heating unit. F. M. Vogel. No. 1,077,658; Nov. 4; Gaz. vol. 196; p. 143.
- Heating unit, Electrical. F. Kubn and F. E. Shaller. No. 1,052,730; Feb. 11; Gaz. vol. 187; p. 332.
- Heating unit, Electrical. H. H. Russell. No. 1,071,350; Aug. 26; Gaz. vol. 193; p. 874.
- Heating water. R. R. Foster. No. 1,069,121; Aug. 5; Gaz. vol. 193; p. 11.
- Heating water, air, or other medium by means of a heat-magazine, Apparatus for electrically. C. I. F. Hässler. No. 1,069,949; Aug. 12; Gaz. vol. 193; p. 325.
- Heating water and other liquids or fluids, Apparatus for. G. G. Bell. No. 1,069,372; Aug. 5; Gaz. vol. 193; p. 100.
- Heaving-plug. L. F. Bills. No. 1,055,124; Mar. 4; Gaz. vol. 188; p. 159.
- Heddle. J. Kaufmann. No. 1,070,483; Aug. 19; Gaz. vol. 193; p. 551.
- Heddle. C. Enger. No. 1,075,411; Oct. 14; Gaz. vol. 195; p. 311.
- Heddle and heddle-frame. B. A. Peterson. No. 1,061,322; May 13; Gaz. vol. 190; p. 296.
- Heddle-eyes, Apparatus for making. G. Linnertz. No. 1,057,968; Apr. 1; Gaz. vol. 189; p. 196.
- Heddle-eyes, Making wire. G. Linnertz. No. 1,057,748; Apr. 1; Gaz. vol. 189; p. 120.
- Heddle mechanism. P. Mollon, Père, and B. Thimonier. No. 1,067,538; July 15; Gaz. vol. 192; p. 629.
- Heel. L. H. Shaw. No. 1,056,458; Mar. 18; Gaz. vol. 188; p. 678.
- Heel-attaching machine. A. Bates. No. 1,051,797; Jan. 28; Gaz. vol. 186; p. 944.
- Heel-attaching machine. E. A. Tripp. No. 1,081,917; Dec. 16; Gaz. vol. 197; p. 748.
- Heel attachment. J. A. French. No. 1,058,685; Apr. 8; Gaz. vol. 189; p. 487.
- Heel attachment, Shoe-. L. C. East. No. 1,071,147; Aug. 26; Gaz. vol. 193; p. 805.
- Heel-breast buffer. H. G. Bendix. No. 1,073,949; Sept. 23; Gaz. vol. 194; p. 878.
- Heel-breasting machine. J. H. Pope. No. 1,053,641; Feb. 18; Gaz. vol. 187; p. 691.
- Heel-breasting machine. G. T. McLeod. (Reissue.) No. 1,356,565; May 20; Gaz. vol. 190; p. 761.
- Heel-breasting machine. E. Erickson. No. 1,067,216; July 8; Gaz. vol. 192; p. 484.
- Heel-breasting machine. W. Frasier. No. 1,068,423; July 29; Gaz. vol. 192; p. 1003.
- Heel-breasting machine. R. C. Simmons. No. 1,080,376; Dec. 2; Gaz. vol. 197; p. 162.
- Heel-building device. J. J. Malloy. No. 1,068,684; July 29; Gaz. vol. 192; p. 1093.
- Heel-building machine. E. A. Tripp. No. 1,056,720; Mar. 18; Gaz. vol. 188; p. 769.
- Heel-building machine. P. J. Riley. No. 1,080,302; Dec. 2; Gaz. vol. 197; p. 134.
- Heel-building machine. G. A. Dobyne. No. 1,080,682; Dec. 9; Gaz. vol. 197; p. 296.
- Heel-counters, Stretching device for. J. D. Foreman. No. 1,071,903; Sept. 2; Gaz. vol. 194; p. 81.
- Heel, Cushion-. F. Rossbach. No. 1,051,767; Jan. 28; Gaz. vol. 186; p. 934.
- Heel, Cushion-. R. S. Graham and R. P. Morse. No. 1,060,751; May 6; Gaz. vol. 190; p. 64.
- Heel-cushion. J. Razntch. No. 1,080,781; Dec. 9; Gaz. vol. 197; p. 332.
- Heel, Cushioned boot-. A. Demorey and B. Tournier. No. 1,068,575; July 29; Gaz. vol. 192; p. 1054.
- Heel-cutting machine. G. A. Dobyne. No. 1,066,387; July 1; Gaz. vol. 192; p. 169.
- Heel, Detachable boot or shoe. P. Kane. No. 1,062,338; May 20; Gaz. vol. 190; p. 681.
- Heel, Detachable shoe-. H. H. Hazeltine. No. 1,066,812; July 8; Gaz. vol. 192; p. 346.
- Heel-edge finishing and burnishing tool, Sectional. C. A. Matson. No. 1,079,017; Nov. 18; Gaz. vol. 196; p. 677.
- Heel-enlarger, Cushion. J. Strootman. No. 1,056,957; Mar. 25; Gaz. vol. 188; p. 881.
- Heel for boots and shoes, Spring-. P. Gáspár. No. 1,081,734; Dec. 16; Gaz. vol. 197; p. 686.
- Heel for shoes, Detachable. H. H. Hazeltine. No. 1,052,441; Feb. 4; Gaz. vol. 187; p. 204.
- Heel, Interchangeable resilient. H. P. Roberts. No. 1,075,303; Oct. 7; Gaz. vol. 195; p. 249.
- Heel, Interchangeable shoe-. C. Weis. No. 1,061,028; May 6; Gaz. vol. 190; p. 163.
- Heel-leveler and shank-stiffener, Combined. J. A. Colling. No. 1,063,856; June 3; Gaz. vol. 191; p. 235.
- Heel-lift, Rotatable. W. J. Newland. No. 1,052,508; Feb. 11; Gaz. vol. 187; p. 260.
- Heel lift, Shoe-. E. E. Lottier. No. 1,057,351; Mar. 25; Gaz. vol. 188; p. 1014.
- Heel-lifts, heels, &c., Machine for pressing. T. Bostock. No. 1,079,537; Nov. 25; Gaz. vol. 196; p. 883.
- Heel-logs, Machine for making. E. Hausalpaker. No. 1,065,803; June 24; Gaz. vol. 191; p. 998.
- Heel-logs, Machine for making. W. P. Bosworth. No. 1,076,742; Oct. 28; Gaz. vol. 195; p. 853.

Alphabetical list of inventions—Continued.

- Heel-nailing-machine cementing attachment. E. A. Webster and C. R. Towle. No. 1,064,114; June 10; Gaz. vol. 191; p. 357.
- Heel-nailing machine, Shoe-. J. F. Salaba. No. 1,074,469; Sept. 30; Gaz. vol. 194; p. 1079.
- Heel, Non-slipping. A. Aagaard. No. 1,069,839; Aug. 12; Gaz. vol. 193; p. 289.
- Heel, Non-slipping rubber. E. G. Perkins. No. 1,068,073; July 22; Gaz. vol. 192; p. 844.
- Heel-operating machine. H. W. Kenway. No. 1,080,150; Dec. 2; Gaz. vol. 197; p. 81.
- Heel, Pieced. A. Geiger. No. 1,081,442; Dec. 16; Gaz. vol. 197; p. 591.
- Heel-plate. E. Hunold. No. 1,050,275; Jan. 14; Gaz. vol. 186; p. 358.
- Heel-plate. E. Hunold. No. 1,079,050; Nov. 18; Gaz. vol. 196; p. 689.
- Heel-plate. E. Hunold. No. 1,079,051; Nov. 18; Gaz. vol. 196; p. 689.
- Heel-pricking machine. J. E. Glidden. No. 1,077,929; Nov. 4; Gaz. vol. 196; p. 236.
- Heel-protecting device. E. Bonestell. No. 1,066,570; July 1; Gaz. vol. 192; p. 163.
- Heel-protector. R. H. Lane. No. 1,068,505; July 29; Gaz. vol. 192; p. 1031.
- Heel protector, Shoe-. F. S. Tucker and F. M. Laxton. No. 1,081,412; Dec. 16; Gaz. vol. 197; p. 581.
- Heel, Removable. L. Kalina. No. 1,053,731; Feb. 18; Gaz. vol. 187; p. 724.
- Heel, Reversible. L. Cuvelier. No. 1,062,538; May 20; Gaz. vol. 190; p. 745.
- Heel-seat beater. S. A. Krewson. No. 1,067,663; July 15; Gaz. vol. 192; p. 672.
- Heel-sweep setter. W. L. Wilson. No. 1,058,651; Apr. 8; Gaz. vol. 189; p. 474.
- Heel top lift. A. Lendgren. No. 1,077,535; Nov. 4; Gaz. vol. 196; p. 104.
- Heel-trimmer. R. L. Greenleaf. No. 1,078,849; Nov. 18; Gaz. vol. 196; p. 618.
- Heel-trimming-machine counter-guard. A. McDowell. No. 1,060,690; May 6; Gaz. vol. 190; p. 43.
- Heels for boots and shoes, Machine for building cemented. W. P. Bosworth. No. 1,065,338; June 24; Gaz. vol. 191; p. 840.
- Heels, Machine for operating on. W. H. Sargent. No. 1,057,011; Mar. 25; Gaz. vol. 188; p. 899.
- Heels, Machine for trimming last-. H. F. Loewer. No. 1,072,963; Sept. 9; Gaz. vol. 194; p. 477.
- Heels, Removable tread for. R. Steinpach. No. 1,074,070; Sept. 23; Gaz. vol. 194; p. 917.
- Heeling-machine. G. M. Pettengill. No. 1,051,820; Jan. 28; Gaz. vol. 186; p. 952.
- Heeling machine, Spring-. W. S. Foster. No. 1,076,109; Oct. 21; Gaz. vol. 195; p. 579.
- Heeling-machines, Blank-holder for. F. F. Raymond, 2d. No. 1,054,032; Feb. 25; Gaz. vol. 187; p. 860.
- Helical rolls, Making. C. S. Lockwood. No. 1,064,975; June 17; Gaz. vol. 191; p. 684.
- Helmet, Foot-ball. S. Hipkiss. No. 1,080,690; Dec. 9; Gaz. vol. 197; p. 298.
- Helmet, Sanitary sand-blast. W. Duncan and J. A. Spangler. No. 1,075,906; Oct. 14; Gaz. vol. 195; p. 480.
- Hens from setting, Device for preventing. E. J. Fulton. No. 1,068,121; July 22; Gaz. vol. 192; p. 858.
- Hexabromindigo, Greenish-blue. A. Schmidt and K. Thiess. No. 1,061,781; May 13; Gaz. vol. 190; p. 452.
- Hickey. P. T. Zizinia. No. 1,080,616; Dec. 9; Gaz. vol. 197; p. 274.
- Hickey. P. T. Zizinia. No. 1,080,617; Dec. 9; Gaz. vol. 197; p. 274.
- Hide-splitting machine. J. H. Gay. No. 1,058,962; Apr. 15; Gaz. vol. 189; p. 622.
- Hide-splitting machine. J. H. Gay. No. 1,061,604; May 13; Gaz. vol. 190; p. 395.
- Hide-stretcher. E. L. Fitzgerald. No. 1,064,632; June 10; Gaz. vol. 191; p. 535.
- Hide-stretcher. W. C. Davis and J. Miller. No. 1,081,584; Dec. 16; Gaz. vol. 197; p. 637.
- Hide-working machine. R. F. Whitney. No. 1,068,031; July 22; Gaz. vol. 192; p. 829.
- Hide-working machine. R. F. Whitney. No. 1,068,032; July 22; Gaz. vol. 192; p. 829.
- Hide-working machine. R. F. Whitney. No. 1,075,887; Oct. 14; Gaz. vol. 195; p. 473.
- Hide-working machines, Knife-cylinder for. J. Stryker. No. 1,062,617; May 27; Gaz. vol. 190; p. 815.
- Hides and skins, Depilating and reducing. O. Röhm. No. 1,082,911; Dec. 30; Gaz. vol. 197; p. 1155.
- Hides, Drying. W. H. Allen. No. 1,075,319; Oct. 14; Gaz. vol. 195; p. 279.
- Hides or leather, Machine for treating. A. H. Kehrhabn. No. 1,053,297; Feb. 18; Gaz. vol. 187; p. 573.
- Hides, skins, and leather, Machine for treating. D. P. O'Brien. No. 1,062,026; May 20; Gaz. vol. 190; p. 575.
- High and low water alarm apparatus. G. W. Walsh. No. 1,072,062; Sept. 2; Gaz. vol. 194; p. 134.
- High chair, Infant's. E. B. Schmucker. No. 1,060,503; Apr. 29; Gaz. vol. 189; p. 1225.
- High chair, Sulky. L. V. Douglas. No. 1,082,854; Dec. 30; Gaz. vol. 197; p. 1134.
- High-speed brake. W. V. Turner. No. 1,078,015; Nov. 11; Gaz. vol. 196; p. 297.
- High-tension blow-out. T. von Zweigbergk. No. 1,055,850; Mar. 11; Gaz. vol. 188; p. 438.
- Hinge. N. Shields. No. 1,051,166; Jan. 21; Gaz. vol. 186; p. 701.
- Hinge. J. Pudliner. No. 1,052,273; Feb. 4; Gaz. vol. 187; p. 148.
- Hinge. A. E. Riley. No. 1,052,515; Feb. 11; Gaz. vol. 187; p. 262.
- Hinge. I. H. Watters. No. 1,052,701; Feb. 11; Gaz. vol. 187; p. 325.
- Hinge. J. La Vergne, G. Izzo, and F. Macollino. No. 1,052,928; Feb. 11; Gaz. vol. 187; p. 404.
- Hinge. J. B. Loranger. No. 1,054,221; Feb. 25; Gaz. vol. 187; p. 927.
- Hinge. W. M. Carter. No. 1,055,516; Mar. 11; Gaz. vol. 188; p. 326.
- Hinge. F. W. Heeter and P. Kline. No. 1,057,960; Apr. 1; Gaz. vol. 189; p. 192.
- Hinge. H. P. McFarland. No. 1,057,972; Apr. 1; Gaz. vol. 189; p. 197.
- Hinge. J. K. Waters and W. C. Winchester. No. 1,059,415; Apr. 22; Gaz. vol. 189; p. 814.
- Hinge. H. C. Baker. No. 1,061,033; May 6; Gaz. vol. 190; p. 165.
- Hinge. J. T. Lapacek. No. 1,061,678; May 13; Gaz. vol. 190; p. 420.
- Hinge. W. Carlson. No. 1,062,437; May 20; Gaz. vol. 190; p. 712.
- Hinge. E. H. Jackson. No. 1,062,976; May 27; Gaz. vol. 190; p. 932.
- Hinge. F. J. Palmer. No. 1,063,136; May 27; Gaz. vol. 190; p. 985.
- Hinge. C. T. J. Giles. No. 1,063,158; May 27; Gaz. vol. 190; p. 992.
- Hinge. N. Westby. No. 1,066,560; July 8; Gaz. vol. 192; p. 258.
- Hinge. C. Iblings. No. 1,067,119; July 8; Gaz. vol. 192; p. 450.
- Hinge. W. J. Hester. No. 1,067,427; July 15; Gaz. vol. 192; p. 592.
- Hinge. C. H. Fish. No. 1,068,422; July 29; Gaz. vol. 192; p. 1003.
- Hinge. M. M. Roberts. No. 1,072,364; Sept. 2; Gaz. vol. 194; p. 235.
- Hinge. G. Steingruber. No. 1,073,537; Sept. 16; Gaz. vol. 194; p. 712.
- Hinge. J. W. Hayes. No. 1,075,146; Oct. 7; Gaz. vol. 195; p. 192.
- Hinge. F. Weber. No. 1,075,451; Oct. 14; Gaz. vol. 195; p. 325.
- Hinge. J. P. Holtzhouser. No. 1,075,569; Oct. 14; Gaz. vol. 195; p. 366.
- Hinge. J. P. McKinney. No. 1,076,689; Oct. 28; Gaz. vol. 195; p. 835.
- Hinge. A. J. Kugler and J. F. Godefroy. No. 1,077,084; Oct. 28; Gaz. vol. 195; p. 972.
- Hinge. W. Yates. No. 1,077,447; Nov. 4; Gaz. vol. 196; p. 73.
- Hinge. C. T. J. Giles. No. 1,077,522; Nov. 4; Gaz. vol. 196; p. 100.
- Hinge. F. Schrey. No. 1,078,002; Nov. 11; Gaz. vol. 196; p. 292.
- Hinge. P. Lisicke. No. 1,078,363; Nov. 11; Gaz. vol. 196; p. 419.
- Hinge. C. J. and H. Soss. No. 1,078,703; Nov. 18; Gaz. vol. 196; p. 566.
- Hinge. H. B. Connors. No. 1,079,215; Nov. 18; Gaz. vol. 196; p. 744.
- Hinge, Adjustable. J. F. Hixson. No. 1,067,114; July 8; Gaz. vol. 192; p. 448.
- Hinge and lock, Combined. W. R. Sweet. No. 1,049,941; Jan. 7; Gaz. vol. 186; p. 211.
- Hinge and stop, Oven-door friction-. M. A. Passons. No. 1,067,676; July 15; Gaz. vol. 192; p. 677.
- Hinge, Automobile door-. F. Hanba and R. Gladfelter. No. 1,078,786; Nov. 18; Gaz. vol. 196; p. 597.
- Hinge, Awning-blind. H. D. Wheatley. No. 1,069,505; Aug. 5; Gaz. vol. 193; p. 145.
- Hinge, Bag-frame. J. S. Isidor. No. 1,062,593; May 27; Gaz. vol. 190; p. 806.
- Hinge, Brush-. F. F. Weiss. No. 1,054,477; Feb. 25; Gaz. vol. 187; p. 1013.
- Hinge-butt. H. L. Bradley. No. 1,053,900; Feb. 18; Gaz. vol. 187; p. 778.
- Hinge, Casement-. S. R. Parkes and C. H. Freeman. No. 1,067,369; July 15; Gaz. vol. 192; p. 572.
- Hinge, Concealed. F. J. Fisher. No. 1,058,740; Apr. 15; Gaz. vol. 189; p. 543.
- Hinge, Concealed. J. Vollman. No. 1,070,754; Aug. 19; Gaz. vol. 193; p. 644.
- Hinge, Concealed. F. P. Reidhaar. No. 1,072,774; Sept. 9; Gaz. vol. 194; p. 406.
- Hinge, Concealed. E. N. Baldwin, Jr. No. 1,073,316; Sept. 16; Gaz. vol. 194; p. 637.
- Hinge, Concealed. J. F. Streberger. No. 1,075,130; Oct. 7; Gaz. vol. 195; p. 186.

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- Hinge, Concealed. E. N. Baldwin, Jr. No. 1,078,237; Nov. 11; Gaz. vol. 196; p. 373.
- Hinge, Concealed door-. F. A. Ledward. No. 1,076,435; Oct. 21; Gaz. vol. 195; p. 691.
- Hinge construction. M. P. French. No. 1,052,810; Feb. 11; Gaz. vol. 187; p. 362.
- Hinge, Detachable door-. F. A. Barrett. No. 1,071,982; Sept. 2; Gaz. vol. 194; p. 107.
- Hinge, Door-. C. Keith, G. F. Lister, and J. M. Edmondson. No. 1,053,829; Feb. 18; Gaz. vol. 187; p. 755.
- Hinge, Door-. J. K. Waters. No. 1,062,623; May 27; Gaz. vol. 190; p. 817.
- Hinge, Door-. J. C. Bothwell. No. 1,082,677; Dec. 30; Gaz. vol. 197; p. 1073.
- Hinge, Door-closer. W. K. Henry. No. 1,056,171; Mar. 18; Gaz. vol. 188; p. 581.
- Hinge, Floor spring-. O. Katzenberger. No. 1,063,128; May 27; Gaz. vol. 190; p. 982.
- Hinge for automobile-hoods. H. G. Baum. No. 1,079,536; Nov. 25; Gaz. vol. 196; p. 883.
- Hinge-gage. E. T. Bailey. No. 1,077,785; Nov. 4; Gaz. vol. 196; p. 187.
- Hinge, Gate-. I. L. Beall. No. 1,050,092; Jan. 14; Gaz. vol. 186; p. 298.
- Hinge, Gate-. O. E. Hester. No. 1,052,665; Feb. 11; Gaz. vol. 187; p. 312.
- Hinge, Gate-. H. P. McFarland. No. 1,054,928; Mar. 4; Gaz. vol. 188; p. 93.
- Hinge, Gate-. D. Sherman. No. 1,063,745; June 3; Gaz. vol. 191; p. 199.
- Hinge, Gate-. O. B. Kempton. No. 1,072,957; Sept. 9; Gaz. vol. 194; p. 474.
- Hinge, Gravity-. B. Burnette and F. C. Avery. No. 1,058,944; Apr. 15; Gaz. vol. 189; p. 615.
- Hinge, Gravity-. W. J. Hope. No. 1,065,807; June 24; Gaz. vol. 191; p. 1000.
- Hinge, High-pressure pipe. F. L. McGahan. No. 1,056,762; Mar. 18; Gaz. vol. 188; p. 785.
- Hinge-joint for artificial legs. J. Wambsgans. No. 1,069,209; Aug. 5; Gaz. vol. 193; p. 43.
- Hinge-lock. S. C. Sladden. No. 1,060,641; May 6; Gaz. vol. 190; p. 26.
- Hinge, Locking-. P. T. Cederstrom. No. 1,058,842; Apr. 15; Gaz. vol. 189; p. 580.
- Hinge mechanism. A. D. Perkins. No. 1,062,549; May 20; Gaz. vol. 190; p. 748.
- Hinge, Non-projecting. J. R. Angelovich. No. 1,076,257; Oct. 21; Gaz. vol. 195; p. 628.
- Hinge, Screen-door. F. H. McFarland. No. 1,053,421; Feb. 18; Gaz. vol. 187; p. 617.
- Hinge, Screw-. V. Greenidge. No. 1,060,678; May 6; Gaz. vol. 190; p. 39.
- Hinge, Separable suspension-. J. W. Cowan. No. 1,054,907; Mar. 4; Gaz. vol. 188; p. 87.
- Hinge, Spring-. G. N. Barcus. No. 1,051,538; Jan. 28; Gaz. vol. 186; p. 859.
- Hinge, Spring-. E. C. Billings. No. 1,056,731; Mar. 18; Gaz. vol. 188; p. 773.
- Hinge, Spring-. E. Bommer. No. 1,062,217; May 20; Gaz. vol. 190; p. 640.
- Hinge, Spring-. E. Moore. No. 1,063,576; June 3; Gaz. vol. 191; p. 138.
- Hinge, Spring-. J. W. Koerner. No. 1,065,145; June 17; Gaz. vol. 191; p. 738.
- Hinge, Spring-. G. J. Money. No. 1,071,256; Aug. 26; Gaz. vol. 193; p. 842.
- Hinge, Spring-. M. Furuya. No. 1,076,568; Oct. 21; Gaz. vol. 195; p. 738.
- Hinge, Spring-. O. Katzenberger. No. 1,080,456; Dec. 2; Gaz. vol. 197; p. 189.
- Hinge, Spring-. W. J. Keene. No. 1,081,752; Dec. 16; Gaz. vol. 197; p. 692.
- Hinge, Spring door-. R. Hight and D. G. McLennan. No. 1,063,446; June 3; Gaz. vol. 191; p. 93.
- Hinge, Suit-case. J. Cranzler. No. 1,052,892; Feb. 11; Gaz. vol. 187; p. 390.
- Hinge, Suspension-. R. G. Winter. No. 1,069,364; Aug. 5; Gaz. vol. 193; p. 97.
- Hinge, Trap-door. H. U. Morton. No. 1,057,355; Mar. 25; Gaz. vol. 188; p. 1015.
- Hinge, Wind-shield. C. H. Jockmus. No. 1,069,955; Aug. 12; Gaz. vol. 193; p. 327.
- Hinge, Wind-shield. C. H. Jockmus. No. 1,069,956; Aug. 12; Gaz. vol. 193; p. 327.
- Hinges, Attaching device for locker-door. R. W. Jefferis. No. 1,070,479; Aug. 19; Gaz. vol. 193; p. 550.
- Hitch, Pack-. A. E. Walker. No. 1,059,240; Apr. 15; Gaz. vol. 189; p. 717.
- Hitch-strap and line fastener. W. N. Corbit. No. 1,056,007; Mar. 18; Gaz. vol. 188; p. 525.
- Hitching device. T. Schafer. No. 1,055,805; Mar. 11; Gaz. vol. 188; p. 423.
- Hitching device, Detachable. C. C. Starkey. No. 1,059,084; Apr. 15; Gaz. vol. 189; p. 664.
- Hitching device, Safety horse-. C. E. Sullivan. No. 1,072,671; Sept. 9; Gaz. vol. 194; p. 371.
- Hitching mechanism, Automatic. S. M. Wixel. No. 1,073,651; Sept. 23; Gaz. vol. 194; p. 774.
- Hitching mechanism for vehicles, Automatic. S. M. Wixel. No. 1,073,650; Sept. 23; Gaz. vol. 194; p. 774.
- Hitching-post. E. Engblom. No. 1,064,200; June 10; Gaz. vol. 191; p. 388.
- Hitching-strap. T. Schafer. No. 1,055,804; Mar. 11; Gaz. vol. 188; p. 423.
- Hitching-strap. J. Stifter. No. 1,058,484; Apr. 8; Gaz. vol. 189; p. 418.
- Hitching-strap. T. Lotherington. No. 1,061,247; May 6; Gaz. vol. 190; p. 234.
- Hitching-strap fastening. P. Rommes. No. 1,071,583; Aug. 26; Gaz. vol. 193; p. 951.
- Hoe. J. B. Etheridge. No. 1,061,057; May 6; Gaz. vol. 190; p. 173.
- Hoe. W. Schultz. No. 1,072,657; Sept. 9; Gaz. vol. 194; p. 366.
- Hoe. E. F. Rowley. No. 1,075,442; Oct. 14; Gaz. vol. 195; p. 323.
- Hoe and garden-trimmer, Scuffle-. J. E. Bergstrom. No. 1,052,789; Feb. 11; Gaz. vol. 187; p. 354.
- Hoe attachment. G. Carlson. No. 1,075,330; Oct. 14; Gaz. vol. 195; p. 282.
- Hoe, Combination weeding-. W. Cronk. No. 1,051,864; Feb. 4; Gaz. vol. 187; p. 6.
- Hoe or cultivator, Rotary. K. H. W. L. Seck. No. 1,070,192; Aug. 12; Gaz. vol. 193; p. 410.
- Hoe, Rotary power-. A. Fuhr. No. 1,061,235; May 6; Gaz. vol. 190; p. 230.
- Hog and cattle splitter, Pneumatic. E. De Moulins. No. 1,060,169; Apr. 29; Gaz. vol. 189; p. 1107.
- Hog-greaser, Automatic. S. B. Edwards. No. 1,078,267; Nov. 11; Gaz. vol. 196; p. 383.
- Hog-scalding apparatus. C. R. Ironish. No. 1,079,648; Nov. 25; Gaz. vol. 196; p. 922.
- Hog-scraper. A. G. Olson and A. A. Boberg. No. 1,078,211; Nov. 11; Gaz. vol. 196; p. 364.
- Hog scraper and conveyer. A. Hannaford. No. 1,080,007; Dec. 2; Gaz. vol. 197; p. 31.
- Hog-scrapping machine. J. Cunniff. No. 1,050,521; Jan. 14; Gaz. vol. 186; p. 445.
- Hog-trap. H. C. Tanabe. No. 1,055,953; Mar. 11; Gaz. vol. 188; p. 472.
- Hog-trap. H. S. Fleagle. No. 1,078,911; Nov. 18; Gaz. vol. 196; p. 639.
- Hog-trap, Adjustable. G. M. Lowe. No. 1,078,509; Nov. 11; Gaz. vol. 196; p. 468.
- Hog-trough. D. A. Wilkinson and B. A. Austin. No. 1,055,376; Mar. 11; Gaz. vol. 188; p. 280.
- Hog-trough. J. H. Artman and A. J. Bruggeman. No. 1,066,975; July 8; Gaz. vol. 192; p. 401.
- Hog-trough, Sanitary. J. A. Moren. No. 1,057,490; Apr. 1; Gaz. vol. 189; p. 32.
- Hoist-blocks, Bushing for the suspension-plates of. J. G. Cline. No. 1,064,612; June 10; Gaz. vol. 191; p. 528.
- Hoist, Electric. H. S. Valentine. No. 1,058,497; Apr. 8; Gaz. vol. 189; p. 423.
- Hoist, Electric. A. S. Blowers. No. 1,082,398; Dec. 23; Gaz. vol. 197; p. 943.
- Hoist, Portable. T. F. Moore. No. 1,081,055; Dec. 9; Gaz. vol. 197; p. 423.
- Hoist-stopping device, Electric-. H. S. Valentine. No. 1,060,383; Apr. 29; Gaz. vol. 189; p. 1184.
- Hoisting and conveying apparatus. C. H. Tucker. No. 1,050,578; Jan. 14; Gaz. vol. 186; p. 465.
- Hoisting apparatus. S. B. Bilger. No. 1,052,791; Feb. 11; Gaz. vol. 187; p. 355.
- Hoisting apparatus. F. J. Sleezer. No. 1,053,324; Feb. 18; Gaz. vol. 187; p. 583.
- Hoisting apparatus. A. E. Norris. No. 1,068,070; July 22; Gaz. vol. 192; p. 842.
- Hoisting apparatus. A. E. Norris. No. 1,071,010; Aug. 19; Gaz. vol. 193; p. 725.
- Hoisting apparatus. C. K. Ernst. No. 1,078,998; Nov. 18; Gaz. vol. 196; p. 669.
- Hoisting-apparatus safety device. H. A. Owens and E. Benson. No. 1,052,947; Feb. 11; Gaz. vol. 187; p. 410.
- Hoisting-apparatus safety device. H. A. Owens and E. Benson. No. 1,052,948; Feb. 11; Gaz. vol. 187; p. 411.
- Hoisting-bridle, Wire. M. V. B. Ruland. No. 1,063,738; June 3; Gaz. vol. 191; p. 197.
- Hoisting-cable, Flat. D. Bandewyns. No. 1,070,661; Aug. 19; Gaz. vol. 193; p. 611.
- Hoisting-cage. G. S. Rice. No. 1,063,285; June 3; Gaz. vol. 191; p. 40.
- Hoisting device. H. W. Sessoms. No. 1,051,278; Jan. 21; Gaz. vol. 186; p. 737.
- Hoisting device. J. A. Vaughn. No. 1,078,756; Nov. 18; Gaz. vol. 196; p. 585.
- Hoisting mechanism. F. A. Skiff. No. 1,069,195; Aug. 5; Gaz. vol. 193; p. 38.
- Hoisting-skips, Automatic trip for. T. C. Wright. No. 1,050,898; Jan. 21; Gaz. vol. 186; p. 608.
- Holdback. M. Marx. No. 1,063,457; June 3; Gaz. vol. 191; p. 96.
- Holdback. J. Clayton. No. 1,073,028; Sept. 9; Gaz. vol. 194; p. 499.
- Holdback. M. J. Woodward. No. 1,077,382; Nov. 4; Gaz. vol. 196; p. 49.
- Holdback, Safety-. W. H. Haskins. No. 1,051,498; Jan. 28; Gaz. vol. 186; p. 846.
- Holder. L. Sainberg. No. 1,058,469; Apr. 8; Gaz. vol. 189; p. 414.

Alphabetical list of inventions—Continued.

- Holder. R. Young. No. 1,058,836; Apr. 15; Gaz. vol. 189; p. 578.
- Holder. T. B. Kuczynski. No. 1,069,961; Aug. 12; Gaz. vol. 193; p. 329.
- Holder. F. D. Culver. No. 1,077,510; Nov. 4; Gaz. vol. 196; p. 96.
- Holder. J. Macdonald. No. 1,081,848; Dec. 16; Gaz. vol. 197; p. 727.
- Holder, Box. W. H. Ramsey. No. 1,079,993; Dec. 2; Gaz. vol. 197; p. 26.
- Holder for removable objects. W. H. Semon. No. 1,061,412; May 13; Gaz. vol. 190; p. 326.
- Holdfast, Wide-range. B. Day. No. 1,063,017; May 27; Gaz. vol. 190; p. 945.
- Holding attachment. J. A. Douglas. No. 1,050,112; Jan. 14; Gaz. vol. 186; p. 304.
- Holding device. E. Brothers. No. 1,065,585; June 24; Gaz. vol. 191; p. 926.
- Hole-shaping machine, Non-circular. E. Lauterjung. No. 1,073,252; Sept. 16; Gaz. vol. 194; p. 614.
- Hollow articles from plastic material, Apparatus for making. B. Balg. No. 1,071,600; Aug. 26; Gaz. vol. 193; p. 956.
- Hollow bodies, Manufacture of. B. Knaebel. No. 1,082,199; Dec. 23; Gaz. vol. 197; p. 873.
- Hollow bodies, Manufacture of. B. Knaebel. No. 1,082,200; Dec. 23; Gaz. vol. 197; p. 873.
- Hollow joint, Flexible. P. J. Bode. No. 1,064,283; June 10; Gaz. vol. 191; p. 416.
- Hollow vessels, Closure for the mouths of. H. G. Boston. No. 1,053,003; Feb. 11; Gaz. vol. 187; p. 428.
- Holster-web and weaving the same. V. E. Jennings. No. 1,062,238; May 20; Gaz. vol. 190; p. 647.
- Homogenizer. J. Willmann. No. 1,070,218; Aug. 12; Gaz. vol. 193; p. 418.
- Homogenizer. J. G. Becker. No. 1,070,226; Aug. 12; Gaz. vol. 193; p. 421.
- Honer and stropper. A. C. Hayden. No. 1,073,119; Sept. 16; Gaz. vol. 194; p. 566.
- Honing and stropping machine. L. A. Flinker. No. 1,081,285; Dec. 9; Gaz. vol. 197; p. 501.
- Honing-wheels, Machine for truing. T. C. Sheehan. No. 1,075,227; Oct. 7; Gaz. vol. 195; p. 220.
- Honey-jar. H. Anderson. No. 1,073,459; Sept. 16; Gaz. vol. 194; p. 687.
- Honey-shipping case, Comb. J. E. Crane. No. 1,053,576; Feb. 18; Gaz. vol. 187; p. 670.
- Honeycomb, Artificial. A. C. Calkins and G. M. Macdonald. No. 1,051,830; Jan. 28; Gaz. vol. 186; p. 955.
- Hood. M. G. Melvin. No. 1,080,468; Dec. 2; Gaz. vol. 197; p. 192.
- Hood and drip-pan fastener. C. L. Dorney. No. 1,062,229; May 20; Gaz. vol. 190; p. 645.
- Hood and neck-protector. F. P. Fiori. No. 1,075,247; Oct. 7; Gaz. vol. 195; p. 227.
- Hood, Automobilist's. J. Loeffelholz. No. 1,068,146; July 22; Gaz. vol. 192; p. 868.
- Hood, Ventilated. T. J. Garrity. No. 1,071,223; Aug. 26; Gaz. vol. 193; p. 832.
- Hoodwink. A. R. Campbell. No. 1,056,148; Mar. 18; Gaz. vol. 188; p. 574.
- Hoof-clipper. J. E. Arthur. No. 1,054,078; Feb. 25; Gaz. vol. 187; p. 876.
- Hoof-packing, Sanitary. W. E. Rawson. No. 1,067,757; July 15; Gaz. vol. 192; p. 703.
- Hoof-pad. T. Conroy. No. 1,057,222; Mar. 25; Gaz. vol. 188; p. 972.
- Hoof-pad. C. A. Judsen. No. 1,060,096; Apr. 29; Gaz. vol. 189; p. 1082.
- Hoof-pad. A. Larsen. No. 1,078,204; Nov. 11; Gaz. vol. 196; p. 362.
- Hoof-trimmer. E. S. Stowell. No. 1,066,675; July 8; Gaz. vol. 192; p. 299.
- Hoof-trimming tool. P. Thomas. No. 1,056,379; Mar. 18; Gaz. vol. 188; p. 649.
- Hook. See Awning-hook; Block-hook; Brush-hook; Cant-hook; Clevis-hook; Clothes-hanging hook; Clothes-line hook; Curtain-hook; Date-hook; Dress-hook; Fish-hook; Gaff-hook; Garment-hook; Grab-hook; Harness-hook; Lacing-hook; Loading-hook; Locking-hook; Logging grip-hook; Mail-crane snap-hook; Mud-hook; Printer's hook; Register-hook; Safety-hook; Snap-hook; Spoon-hook; Spring-hook; Swingletree-hook; Timber-hook; Towing-hook; Trace-hook; Trip-hook; Trousers-hook; Well-rod hook; Whiffletree-hook; Window-hook.
- Hook. I. Olli. No. 1,055,214; Mar. 4; Gaz. vol. 188; p. 187.
- Hook. H. P. Schulte. No. 1,062,365; May 20; Gaz. vol. 190; p. 690.
- Hook. K. Eguchi. No. 1,065,791; June 24; Gaz. vol. 191; p. 995.
- Hook. C. W. Shaw. No. 1,072,263; Sept. 2; Gaz. vol. 194; p. 200.
- Hook and eye. M. L. Lee. No. 1,061,761; May 13; Gaz. vol. 190; p. 446.
- Hook and eye. L. K. Engle. No. 1,065,120; June 17; Gaz. vol. 191; p. 731.
- Hook and eye. L. K. Engle. No. 1,065,121; June 17; Gaz. vol. 191; p. 731.
- Hook and eye. S. E. Atchinson. No. 1,067,234; July 15; Gaz. vol. 192; p. 525.
- Hook and eye. H. C. McWilliams. No. 1,068,600; July 29; Gaz. vol. 192; p. 1064.
- Hook and eye. J. Duquette. No. 1,071,404; Aug. 26; Gaz. vol. 193; p. 893.
- Hook and eye. A. P. Fulmer and F. M. Nebinger. No. 1,076,360; Oct. 21; Gaz. vol. 195; p. 665.
- Hook-and-eye fastener. I. A. Hughes. No. 1,071,423; Aug. 26; Gaz. vol. 193; p. 899.
- Hook-and-eye fastening. M. Froesé. No. 1,060,899; May 6; Gaz. vol. 190; p. 117.
- Hook-and-eye tape, Means for tagging. G. H. Cliff and W. J. Galt, Jr. No. 1,056,088; Mar. 18; Gaz. vol. 188; p. 552.
- Hook and fork, Combined. E. H. Biel. No. 1,055,700; Mar. 11; Gaz. vol. 188; p. 387.
- Hook and fork, Combined. E. H. Biel. No. 1,075,005; Oct. 7; Gaz. vol. 195; p. 142.
- Hook-setting machine. G. W. Brown. No. 1,080,194; Dec. 2; Gaz. vol. 197; p. 96.
- Hooks and eyes on cards, Machine for fastening. P. F. Kleinert. No. 1,071,643; Aug. 26; Gaz. vol. 193; p. 971.
- Hooks, Machine for bending and punching eyes in. X. T. Tardif. No. 1,060,866; May 6; Gaz. vol. 190; p. 105.
- Hooking machine, Helical-spring. F. H. Sleeper. No. 1,083,223; Dec. 30; Gaz. vol. 197; p. 1253.
- Hoop. See Barrel-hoop; Cheese-pressing hoop; Embroidery-hoop; Tank-hoop.
- Hoop-forming apparatus. O. M. Bryan. No. 1,052,407; Feb. 4; Gaz. vol. 187; p. 191.
- Hoop-machine. W. Glader. No. 1,071,733; Sept. 2; Gaz. vol. 194; p. 21.
- Hoop-making machine, Barrel. E. F. Beugler. No. 1,062,874; May 27; Gaz. vol. 190; p. 898.
- Hoop-securing machine. S. F. Klohs. No. 1,070,613; Aug. 19; Gaz. vol. 193; p. 595.
- Hoop-tightening device, Silo. J. Hanson and L. M. Foote. No. 1,075,564; Oct. 14; Gaz. vol. 195; p. 364.
- Hoops and crosspieces in silos, &c., Fastening for. E. F. Schlichter. No. 1,060,367; Apr. 29; Gaz. vol. 189; p. 1178.
- Hoops, Apparatus for the manufacture of metallic. C. L. Bréhier. No. 1,052,433; Feb. 4; Gaz. vol. 187; p. 201.
- Hop-cluster machine. E. C. Horst. No. 1,054,121; Feb. 25; Gaz. vol. 187; p. 890.
- Hop-extracting apparatus. J. T. Koolman and W. Ponnendorf. No. 1,055,475; Mar. 11; Gaz. vol. 188; p. 313.
- Hop-picking apparatus. E. C. Horst. No. 1,054,119; Feb. 25; Gaz. vol. 187; p. 890.
- Hop-press and hop-strainer, Combined. C. F. Hettinger. No. 1,083,013; Dec. 30; Gaz. vol. 197; p. 1189.
- Hop-separating cylinder. E. C. Horst. No. 1,054,120; Feb. 25; Gaz. vol. 187; p. 890.
- Hops, Picking. E. C. Horst. No. 1,054,551; Feb. 25; Gaz. vol. 187; p. 1037.
- Hopper and supporting-frame therefor, Folding. P. C. Grose. No. 1,069,415; Aug. 5; Gaz. vol. 193; p. 115.
- Hopper, Charging. G. M. S. Tait. No. 1,061,703; May 13; Gaz. vol. 190; p. 429.
- Hopper-door-operating device. L. G. Handy. No. 1,081,040; Dec. 9; Gaz. vol. 197; p. 418.
- Hopper, Feed. F. J. Schisler. No. 1,062,610; May 27; Gaz. vol. 190; p. 805.
- Hopper for crushing and grinding rolls. E. A. Wall. No. 1,050,183; Jan. 14; Gaz. vol. 186; p. 327.
- Hopper, Gravel. F. E. Klunker. No. 1,073,245; Sept. 16; Gaz. vol. 194; p. 611.
- Horn. K. Sato. No. 1,070,540; Aug. 19; Gaz. vol. 193; p. 571.
- Horn, Automobile. L. A. Marcotte. No. 1,063,561; June 3; Gaz. vol. 191; p. 132.
- Horn, Diaphragm. M. R. Hutchison. No. 1,052,416; Feb. 4; Gaz. vol. 187; p. 195.
- Horn, Electric. G. M. Willis. No. 1,076,181; Oct. 21; Gaz. vol. 195; p. 602.
- Horn, Electric. R. R. Root. No. 1,077,397; Nov. 4; Gaz. vol. 196; p. 22.
- Horn, Exhaust. G. Piscopo. No. 1,082,972; Dec. 30; Gaz. vol. 197; p. 1176.
- Horn for motor-cars and other vehicles. A. Couesnon. No. 1,056,265; Mar. 18; Gaz. vol. 188; p. 613.
- Horn for motor-cars, motor-cycles, and cycles. E. Teste. No. 1,062,518; May 20; Gaz. vol. 190; p. 739.
- Horn, Mechanical. E. Aufero. No. 1,078,529; Nov. 11; Gaz. vol. 196; p. 474.
- Horn or whistle. E. B. Chapman. No. 1,052,886; Feb. 11; Gaz. vol. 187; p. 388.
- Horn, Signal. S. Austin. No. 1,066,461; July 8; Gaz. vol. 192; p. 223.
- Horse-bit. F. and E. Swales. No. 1,076,716; Oct. 28; Gaz. vol. 195; p. 844.
- Horse-blanket fastener. E. Danforth. No. 1,063,121; May 27; Gaz. vol. 190; p. 980.
- Horse-blanket fastening. J. G. Murphy. No. 1,051,618; Jan. 28; Gaz. vol. 186; p. 887.
- Horse-blanket holder. E. B. Anderson. No. 1,072,070; Sept. 2; Gaz. vol. 194; p. 137.
- Horse-blankets, Construction of. L. H. Dietz. No. 1,064,453; June 10; Gaz. vol. 191; p. 475.
- Horse-detacher. C. Nowotny. No. 1,055,213; Mar. 4; Gaz. vol. 188; p. 187.

Alphabetical list of inventions—Continued.

- Horse-detacher. W. O. Carter. No. 1,057,619; Apr. 1; Gaz. vol. 189; p. 76.
- Horse-detacher. H. N. Thomas. No. 1,070,855; Aug. 19; Gaz. vol. 193; p. 675.
- Horse-detacher. C. B. Smith. No. 1,074,476; Sept. 30; Gaz. vol. 194; p. 1081.
- Horse-detacher. R. R. Morgan and W. H. Corder. No. 1,079,792; Nov. 25; Gaz. vol. 196; p. 975.
- Horse-exercising device. C. G. Olin. No. 1,062,495; May 20; Gaz. vol. 190; p. 733.
- Horse-guiding device. W. and W. Schaper. No. 1,062,508; May 20; Gaz. vol. 190; p. 736.
- Horse-hoes, Wheel attachment for. F. S. Woodman. No. 1,061,437; May 13; Gaz. vol. 190; p. 334.
- Horse interfering-boot. A. Schwemberger. No. 1,065,397; June 24; Gaz. vol. 191; p. 861.
- Horse lawn-shoe. C. Zingre. No. 1,050,901; Jan. 21; Gaz. vol. 186; p. 610.
- Horse-overshoe. P. J. Roach. No. 1,053,064; Feb. 11; Gaz. vol. 187; p. 449.
- Horse-overshoe. C. R. Cram. No. 1,068,415; July 29; Gaz. vol. 192; p. 1001.
- Horse-overshoe. R. Whitaker. No. 1,068,471; July 29; Gaz. vol. 192; p. 1019.
- Horse-overshoe. P. P. Dyer. No. 1,070,881; Aug. 19; Gaz. vol. 193; p. 683.
- Horse-overshoe, Antislipping. P. Struck. No. 1,077,765; Nov. 4; Gaz. vol. 196; p. 180.
- Horse-power recorder. C. N. Petesch. No. 1,077,637; Nov. 4; Gaz. vol. 196; p. 136.
- Horse-rake. E. Wick. No. 1,061,649; May 13; Gaz. vol. 190; p. 410.
- Horse-releaser. F. A. Wear. No. 1,050,882; Jan. 21; Gaz. vol. 186; p. 602.
- Horse-releaser. T. E. Kendall and F. E. Warren. No. 1,053,611; Feb. 18; Gaz. vol. 187; p. 682.
- Horse-releaser. C. and E. Harris. No. 1,058,177; Apr. 8; Gaz. vol. 189; p. 313.
- Horse-releaser. C. O. Mason. No. 1,058,448; Apr. 8; Gaz. vol. 189; p. 408.
- Horse-releasing device. R. E. Chantry. No. 1,049,993; Jan. 7; Gaz. vol. 186; p. 227.
- Horse-releasing device. W. O. Simmons. No. 1,065,559; June 24; Gaz. vol. 191; p. 917.
- Horse-sling. G. W. Musselman. No. 1,064,367; June 10; Gaz. vol. 191; p. 443.
- Horse-stopping device. D. W. Arave and C. W. Wright. No. 1,049,639; Jan. 7; Gaz. vol. 186; p. 111.
- Horse toe-weight. C. B. Tuttle. No. 1,064,031; June 10; Gaz. vol. 191; p. 329.
- Horses' hoofs, Device to trim. M. Joyce, Jr. No. 1,067,658; July 15; Gaz. vol. 192; p. 670.
- Horsehair, Treating. R. Grabein. No. 1,057,724; Apr. 1; Gaz. vol. 189; p. 112.
- Horseshoe. J. E. Downs and G. D. McNames. No. 1,050,526; Jan. 14; Gaz. vol. 186; p. 447.
- Horseshoe. F. W. Smith. No. 1,053,886; Feb. 18; Gaz. vol. 187; p. 773.
- Horseshoe. H. K. Kiso. No. 1,054,563; Feb. 25; Gaz. vol. 187; p. 1041.
- Horseshoe. S. N. Milton. No. 1,056,436; Mar. 18; Gaz. vol. 188; p. 671.
- Horseshoe. F. J. Gummersbach. No. 1,057,957; Apr. 1; Gaz. vol. 189; p. 191.
- Horseshoe. W. H. Puckett. No. 1,059,208; Apr. 15; Gaz. vol. 189; p. 707.
- Horseshoe. W. W. Williams. No. 1,059,457; Apr. 22; Gaz. vol. 189; p. 829.
- Horseshoe. W. J. Moore. No. 1,068,917; July 29; Gaz. vol. 192; p. 1176.
- Horseshoe. E. Mercandelli. No. 1,070,507; Aug. 19; Gaz. vol. 193; p. 560.
- Horseshoe. C. T. Zettervall. No. 1,071,128; Aug. 26; Gaz. vol. 193; p. 800.
- Horseshoe. J. A. Larson. No. 1,071,162; Aug. 26; Gaz. vol. 193; p. 810.
- Horseshoe. A. G. Palm. No. 1,073,778; Sept. 23; Gaz. vol. 194; p. 820.
- Horseshoe. W. Rakowski and J. Glowacki. No. 1,074,202; Sept. 30; Gaz. vol. 194; p. 991.
- Horseshoe. E. G. Donnelly. No. 1,074,353; Sept. 30; Gaz. vol. 194; p. 1041.
- Horseshoe. I. Engstrom and J. Bloom. No. 1,075,343; Oct. 14; Gaz. vol. 195; p. 287.
- Horseshoe. W. McKeage. No. 1,076,138; Oct. 21; Gaz. vol. 195; p. 587.
- Horseshoe. R. C. Bonnell. No. 1,079,285; Nov. 18; Gaz. vol. 196; p. 766.
- Horseshoe. N. B. Quick. No. 1,079,512; Nov. 25; Gaz. vol. 196; p. 875.
- Horseshoe. T. C. Amoth. No. 1,081,564; Dec. 16; Gaz. vol. 197; p. 632.
- Horseshoe. L. Lehotzky. No. 1,082,276; Dec. 23; Gaz. vol. 197; p. 902.
- Horseshoe attachment. J. R. Morgenstein and J. Blenz. No. 1,079,426; Nov. 25; Gaz. vol. 196; p. 845.
- Horseshoe, Auxiliary. V. Kolakowski. No. 1,077,610; Nov. 4; Gaz. vol. 196; p. 127.
- Horseshoe-calk. J. H. Taylor. No. 1,054,054; Feb. 25; Gaz. vol. 187; p. 868.
- Horseshoe-calk. S. S. Brush. No. 1,057,326; Mar. 25; Gaz. vol. 188; p. 1005.
- Horseshoe-calk. J. W. Miller. No. 1,061,395; May 13; Gaz. vol. 190; p. 319.
- Horseshoe-calk. J. Munts. No. 1,065,830; June 24; Gaz. vol. 191; p. 1008.
- Horseshoe-calk. J. W. Fisher. No. 1,066,097; July 1; Gaz. vol. 192; p. 68.
- Horseshoe-calk. J. S. Holliday. No. 1,073,236; Sept. 16; Gaz. vol. 194; p. 609.
- Horseshoe-calk. E. H. Trundle. No. 1,073,546; Sept. 16; Gaz. vol. 194; p. 715.
- Horseshoe-calk. W. I. and J. W. Miller. No. 1,075,263; Oct. 7; Gaz. vol. 195; p. 235.
- Horseshoe calk and carrier. P. Nurse. No. 1,074,450; Sept. 30; Gaz. vol. 194; p. 1073.
- Horseshoe-calk attachment. J. Bucklar. No. 1,060,316; Apr. 29; Gaz. vol. 189; p. 1160.
- Horseshoe-calk, Detachable. I. H. Gilliland. No. 1,080,757; Dec. 9; Gaz. vol. 197; p. 323.
- Horseshoe-calk, Detachable. T. L. Haire. No. 1,082,421; Dec. 23; Gaz. vol. 197; p. 950.
- Horseshoe-calk, Removable. H. R. Young. No. 1,069,311; Aug. 5; Gaz. vol. 193; p. 77.
- Horseshoe-calks, Machine for forming. J. D. Hall. No. 1,054,967; Mar. 4; Gaz. vol. 188; p. 106.
- Horseshoe-creeper. D. Drain. No. 1,067,474; July 15; Gaz. vol. 192; p. 607.
- Horseshoe-forming machine. S. M. Crone. No. 1,063,779; June 3; Gaz. vol. 191; p. 211.
- Horseshoe ice-creeper. F. F. and M. S. Jacobs. No. 1,081,449; Dec. 16; Gaz. vol. 197; p. 594.
- Horseshoe-manufacturing apparatus. H. K. Lountzen. No. 1,078,296; Nov. 11; Gaz. vol. 196; p. 395.
- Horseshoe, Nailless detachable. T. R. Dougherty. No. 1,068,989; July 29; Gaz. vol. 192; p. 1200.
- Horseshoe-pad. G. Knapp and D. Cruice. No. 1,051,851; Jan. 28; Gaz. vol. 186; p. 962.
- Horseshoe-pad. D. Cruice. No. 1,075,199; Oct. 7; Gaz. vol. 195; p. 211.
- Horseshoe, Supplemental. A. and N. Bernstein. No. 1,076,185; Oct. 21; Gaz. vol. 195; p. 603.
- Horseshoes, Antislipping attachment for. W. G. Robertson, Jr. No. 1,064,090; June 10; Gaz. vol. 191; p. 349.
- Horseshoes, Antislipping device for. W. F. Smythe. No. 1,074,657; Oct. 7; Gaz. vol. 195; p. 24.
- Horseshoes, Detachable creeper for. H. F. Kuhlmann. No. 1,076,654; Oct. 21; Gaz. vol. 195; p. 770.
- Horseshoes, Dies for forming. G. Kurschus. No. 1,057,967; Apr. 1; Gaz. vol. 189; p. 195.
- Horseshoes, Ice-creeper attachment for. S. P. Smith. No. 1,075,870; Oct. 14; Gaz. vol. 195; p. 467.
- Horseshoes, Machine for forming heel-calks on. J. Wood. No. 1,055,006; Mar. 4; Gaz. vol. 188; p. 120.
- Horseshoes, Non-slipping attachment to. M. J. O'Neill. No. 1,064,246; June 10; Gaz. vol. 191; p. 403.
- Horseshoeing-rack. P. Huffman. No. 1,077,475; Nov. 4; Gaz. vol. 196; p. 84.
- Horsetail-holder. J. R. Canion. No. 1,064,707; June 17; Gaz. vol. 191; p. 597.
- Hose. F. D. Voorhees. No. 1,052,106; Feb. 4; Gaz. vol. 187; p. 91.
- Hose, Armored. W. H. Eynon. No. 1,068,491; July 29; Gaz. vol. 192; p. 1026.
- Hose-bib. G. S. Livengood. No. 1,052,352; Feb. 4; Gaz. vol. 187; p. 172.
- Hose-bridge. B. A. Olson and O. A. Berg. No. 1,057,577; Apr. 1; Gaz. vol. 189; p. 61.
- Hose-clamp. H. O. Allen. No. 1,049,968; Jan. 7; Gaz. vol. 186; p. 219.
- Hose-clamp. W. J. Tuttle. No. 1,052,103; Feb. 4; Gaz. vol. 187; p. 90.
- Hose-clamp. S. J. Linton. No. 1,056,188; Mar. 18; Gaz. vol. 188; p. 586.
- Hose-clamp. A. S. Cousin. No. 1,070,418; Aug. 19; Gaz. vol. 193; p. 529.
- Hose-clamp. A. L. Eacrett. No. 1,070,950; Aug. 19; Gaz. vol. 193; p. 705.
- Hose-clamp. P. E. Erickson. No. 1,070,952; Aug. 19; Gaz. vol. 193; p. 706.
- Hose-clamp. F. H. Albee. No. 1,072,896; Sept. 9; Gaz. vol. 194; p. 452.
- Hose-clamp. M. W. Shipp. No. 1,073,533; Sept. 16; Gaz. vol. 194; p. 710.
- Hose-clamp. H. M. Welshans. No. 1,076,851; Oct. 28; Gaz. vol. 195; p. 891.
- Hose-clamp. C. E. Edwards. No. 1,078,088; Nov. 11; Gaz. vol. 196; p. 322.
- Hose-clamp applicator. J. E. Blake. No. 1,072,301; Sept. 2; Gaz. vol. 194; p. 213.
- Hose connection for lawns. J. S. Sharp. No. 1,064,862; June 17; Gaz. vol. 191; p. 647.
- Hose-connector. J. Fentress. No. 1,051,396; Jan. 28; Gaz. vol. 186; p. 811.
- Hose-connector. L. R. Nelson. No. 1,051,621; Jan. 28; Gaz. vol. 186; p. 888.
- Hose-coupling. L. Coates. No. 1,050,615; Jan. 14; Gaz. vol. 186; p. 477.

Alphabetical list of inventions—Continued.

- Hose-coupling. D. H. Taylor. No. 1,051,174; Jan. 21; Gaz. vol. 186; p. 704.
- Hose-coupling. J. J. Danberg. No. 1,051,805; Jan. 28; Gaz. vol. 186; p. 947.
- Hose-coupling. A. Heimerman. No. 1,054,842; Mar. 4; Gaz. vol. 188; p. 66.
- Hose-coupling. E. J. Lombard and O. L. Krogstad. No. 1,055,477; Mar. 11; Gaz. vol. 188; p. 314.
- Hose-coupling. V. S. Perazio. No. 1,060,491; Apr. 29; Gaz. vol. 189; p. 1221.
- Hose-coupling. J. Miller. No. 1,064,154; June 10; Gaz. vol. 191; p. 372.
- Hose-coupling. J. J. Mulconroy and E. S. Morris. No. 1,066,214; July 1; Gaz. vol. 192; p. 111.
- Hose-coupling. L. S. Stacey. No. 1,067,202; July 8; Gaz. vol. 192; p. 478.
- Hose-coupling. H. H. Hewitt. No. 1,067,337; July 15; Gaz. vol. 192; p. 562.
- Hose-coupling. A. H. Shields. No. 1,069,038; July 29; Gaz. vol. 192; p. 1216.
- Hose-coupling. P. W. Langille. No. 1,070,822; Aug. 19; Gaz. vol. 193; p. 664.
- Hose-coupling. R. C. Hilton. No. 1,071,921; Sept. 2; Gaz. vol. 194; p. 87.
- Hose-coupling. G. T. Greer. No. 1,073,850; Sept. 23; Gaz. vol. 194; p. 843.
- Hose-coupling. T. Carence and E. W. Sumpter. No. 1,074,244; Sept. 30; Gaz. vol. 194; p. 1004.
- Hose-coupling. C. Giovannoni. No. 1,074,319; Sept. 30; Gaz. vol. 194; p. 1029.
- Hose-coupling. A. B. Lemon and C. C. Culver. No. 1,076,045; Oct. 21; Gaz. vol. 195; p. 556.
- Hose-coupling. O. Hesse. No. 1,077,710; Nov. 4; Gaz. vol. 196; p. 160.
- Hose-coupling. S. Storm. No. 1,078,112; Nov. 11; Gaz. vol. 196; p. 331.
- Hose-coupling. E. H. Gold. No. 1,081,444; Dec. 16; Gaz. vol. 197; p. 592.
- Hose-coupling. J. A. Holloway. No. 1,081,963; Dec. 23; Gaz. vol. 197; p. 793.
- Hose coupling and clamping device. J. McDaniel. No. 1,066,935; July 8; Gaz. vol. 192; p. 388.
- Hose-coupling and faucet. Combined. L. C. Prettyman. No. 1,052,088; Feb. 4; Gaz. vol. 187; p. 84.
- Hose coupling and uncoupling tool. Air-. C. L. Courson. No. 1,056,506; Mar. 18; Gaz. vol. 188; p. 696.
- Hose-coupling. Automatic. A. G. Maule. No. 1,059,308; Apr. 15; Gaz. vol. 189; p. 741.
- Hose-coupling clamp-ring. D. Rinaldo. No. 1,078,957; Nov. 18; Gaz. vol. 196; p. 653.
- Hose-coupling lock. F. T. Kitchen. No. 1,056,184; Mar. 18; Gaz. vol. 188; p. 585.
- Hose coupling, Tender-. C. B. Baker. No. 1,069,638; Aug. 5; Gaz. vol. 193; p. 189.
- Hose-coupling, Threadless. P. Berg. No. 1,080,674; Dec. 9; Gaz. vol. 197; p. 293.
- Hose-coupling, Threadless. P. Berg. No. 1,080,675; Dec. 9; Gaz. vol. 197; p. 294.
- Hose-coupling with automatic draining-valve principally for railway-trains, Steam-heating. V. Biro. No. 1,076,739; Oct. 28; Gaz. vol. 195; p. 852.
- Hose-handler. J. W. Toole. No. 1,058,926; Apr. 15; Gaz. vol. 189; p. 610.
- Hose-holder, Adjustable. L. P. Bailey. No. 1,065,202; June 17; Gaz. vol. 191; p. 756.
- Hose-holder, Adjustable. W. H. Matthews. No. 1,080,770; Dec. 9; Gaz. vol. 197; p. 328.
- Hose holder, Garden-. G. J. Chambers. No. 1,051,083; Jan. 21; Gaz. vol. 186; p. 672.
- Hose-mending device. J. E. Peck. No. 1,072,253; Sept. 2; Gaz. vol. 194; p. 197.
- Hose, Metallic. J. J. A. Miller. No. 1,056,110; Mar. 18; Gaz. vol. 188; p. 561.
- Hose-nozzle. W. O'Brien and F. W. Waddell. No. 1,059,753; Apr. 22; Gaz. vol. 189; p. 927.
- Hose-nozzle. E. Kupferle. No. 1,076,128; Oct. 21; Gaz. vol. 195; p. 584.
- Hose-nozzle and lawn-sprinkler, Combined. C. G. Mohl. No. 1,081,688; Dec. 16; Gaz. vol. 197; p. 670.
- Hose-nozzle attachment. J. McBoyle. No. 1,058,189; Apr. 8; Gaz. vol. 189; p. 317.
- Hose-nozzle holder. H. Austin. No. 1,078,817; Nov. 18; Gaz. vol. 196; p. 607.
- Hose or garment supporter. D. Wertz. No. 1,072,542; Sept. 9; Gaz. vol. 194; p. 326.
- Hose-pipes with faucets. Coupling for uniting. J. G. Poppert. No. 1,062,730; May 27; Gaz. vol. 190; p. 850.
- Hose protector, Flexible-. J. D. Harris. No. 1,062,155; May 20; Gaz. vol. 190; p. 619.
- Hose-rack. C. Nuhring. No. 1,056,208; Mar. 18; Gaz. vol. 188; p. 593.
- Hose-rack. W. Boss. No. 1,058,538; Apr. 8; Gaz. vol. 189; p. 437.
- Hose-rack. M. Schnaler. No. 1,079,026; Nov. 18; Gaz. vol. 196; p. 680.
- Hose-rack clasp. W. D. Allen. No. 1,059,100; Apr. 15; Gaz. vol. 189; p. 671.
- Hose-reel. E. Bergland. No. 1,064,883; June 17; Gaz. vol. 191; p. 653.
- Hose. Rubber-lined fabric. B. L. Stowe. No. 1,053,933; Feb. 18; Gaz. vol. 187; p. 790.
- Hose, Steam-. C. A. Swanson and A. B. Brooke. No. 1,052,861; Feb. 11; Gaz. vol. 187; p. 379.
- Hose-supporter. M. B. Jennings. No. 1,049,864; Jan. 7; Gaz. vol. 186; p. 186.
- Hose-supporter. A. P. S. Deem. No. 1,050,813; Jan. 21; Gaz. vol. 186; p. 577.
- Hose-supporter. M. W. Schloss. No. 1,061,017; May 6; Gaz. vol. 190; p. 158.
- Hose-supporter. S. Hagan. No. 1,063,873; June 3; Gaz. vol. 191; p. 240.
- Hose-supporter. J. C. Lee. No. 1,065,374; June 24; Gaz. vol. 191; p. 854.
- Hose-supporter. L. C. Stukenborg. No. 1,070,557; Aug. 19; Gaz. vol. 193; p. 578.
- Hose-supporter. A. Rockowitz. No. 1,072,872; Sept. 9; Gaz. vol. 194; p. 443.
- Hose-supporter. C. F. Smith. No. 1,074,985; Oct. 7; Gaz. vol. 195; p. 134.
- Hose-supporter. C. E. Matthes. No. 1,076,136; Oct. 21; Gaz. vol. 195; p. 587.
- Hose-supporter. E. Jennings. No. 1,076,675; Oct. 28; Gaz. vol. 195; p. 823.
- Hose-supporter. J. Bellis. No. 1,082,005; Dec. 23; Gaz. vol. 197; p. 808.
- Hose-supporter clasp. L. S. Florsheim. No. 1,078,493; Nov. 11; Gaz. vol. 196; p. 463.
- Hose-supporter loop. S. Buyer. No. 1,076,265; Oct. 21; Gaz. vol. 195; p. 629.
- Hose-supporter stud. R. Gorton. No. 1,057,396; Mar. 25; Gaz. vol. 188; p. 1028.
- Hosiery. R. W. Scott. No. 1,075,864; Oct. 14; Gaz. vol. 195; p. 465.
- Hosiery. D. O'Donnell. No. 1,076,603; Oct. 21; Gaz. vol. 195; p. 751.
- Hosiery-finishing board. G. T. Flick. No. 1,075,346; Oct. 14; Gaz. vol. 195; p. 287.
- Hosiery, Making. L. Hirsch. No. 1,052,723; Feb. 11; Gaz. vol. 187; p. 330.
- Hosiery, Vertically-striped seamless. E. A. Hirner. No. 1,062,910; May 27; Gaz. vol. 190; p. 911.
- Hot-air apparatus. V. G. and M. Fastiggi. No. 1,068,637; July 29; Gaz. vol. 192; p. 1077.
- Hot-air furnace. C. L. Esterly and B. A. Horwitz. No. 1,051,320; Jan. 21; Gaz. vol. 186; p. 752.
- Hot-air furnace. D. S. Richardson. No. 1,072,499; Sept. 9; Gaz. vol. 194; p. 311.
- Hot-air furnace. E. C. Kent, L. Giles, and G. A. Lyster. No. 1,076,209; Oct. 21; Gaz. vol. 195; p. 611.
- Hot-air furnace. J. B. Huckle and W. E. Rienhart. No. 1,079,491; Nov. 25; Gaz. vol. 196; p. 867.
- Hot-air register. E. E. Boles. No. 1,063,645; June 3; Gaz. vol. 191; p. 165.
- Hot-air register. J. Harmon. No. 1,067,245; July 15; Gaz. vol. 192; p. 528.
- Hot-plate. S. A. Schewczik. No. 1,067,683; July 15; Gaz. vol. 192; p. 679.
- Hot-water and steam boiler. F. J. Walling. No. 1,058,208; Apr. 8; Gaz. vol. 189; p. 323.
- Hot-water and steam boiler. J. P. Schaffer. No. 1,061,503; May 13; Gaz. vol. 190; p. 357.
- Hot water by means of electricity and apparatus therefor, Method of producing. G. G. Bell and J. S. Pletts. No. 1,069,374; Aug. 5; Gaz. vol. 193; p. 101.
- Hot-water furnace. P. T. Kniss. No. 1,050,144; Jan. 14; Gaz. vol. 186; p. 314.
- Hot-water heater. W. Wells. No. 1,052,295; Feb. 4; Gaz. vol. 187; p. 155.
- Hot-water heater. J. O. Olson and C. S. Carlberg. No. 1,056,932; Mar. 25; Gaz. vol. 188; p. 872.
- Hot-water heater. G. Reichard. No. 1,065,837; June 24; Gaz. vol. 191; p. 1010.
- Hot-water heater. C. W. Moon and I. Moore. No. 1,073,616; Sept. 23; Gaz. vol. 194; p. 761.
- Hot-water heater. B. G. Doll. No. 1,075,700; Oct. 14; Gaz. vol. 195; p. 410.
- Hot water or steam, Apparatus for the supply of. W. B. D. Ponninghaus. No. 1,070,175; Aug. 12; Gaz. vol. 193; p. 404.
- Hot-water or steam boiler. F. W. Hilder. No. 1,050,135; Jan. 14; Gaz. vol. 186; p. 310.
- Hot-water system. R. M. Dixon. No. 1,055,726; Mar. 11; Gaz. vol. 188; p. 395.
- Hot-water system. D. W. and F. R. Daley. No. 1,061,359; May 13; Gaz. vol. 190; p. 307.
- Hot-water tank. F. L. Patterson. No. 1,071,570; Aug. 26; Gaz. vol. 193; p. 946.
- Hotbed. W. Ahlen and V. Ross. No. 1,082,387; Dec. 23; Gaz. vol. 197; p. 940.
- Hothouse, Movable. A. Pullen-Burry. No. 1,076,230; Oct. 21; Gaz. vol. 195; p. 619.
- House. See Fireproof knockdown house; Portable house; Poultry-house; Preserving-house; Sheet-metal house; Smoke-house.
- Housekeeping structure. W. C. James. No. 1,077,198; Oct. 28; Gaz. vol. 195; p. 1007.
- Housing-cap. W. Johnson. No. 1,065,253; June 17; Gaz. vol. 191; p. 774.
- Hover. C. E. Adair. No. 1,053,262; Feb. 18; Gaz. vol. 187; p. 561.

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- Hover. L. W. Potter. No. 1,072,029; Sept. 2; Gaz. vol. 194; p. 124.
- Hover, Fireless. F. W. Heidelberg. No. 1,070,805; Aug. 19; Gaz. vol. 193; p. 659.
- Hover or brooder. T. N. Thomson. No. 1,050,251; Jan. 14; Gaz. vol. 186; p. 349.
- Hub. J. D. Jones. (Reissue.) No. 13,654; Dec. 9; Gaz. vol. 197; p. 502.
- Hub and axle connection. T. J. Cupstid. No. 1,062,226; May 20; Gaz. vol. 190; p. 643.
- Hub and axle, Vehicle. T. G. Oelke. No. 1,072,250; Sept. 2; Gaz. vol. 194; p. 197.
- Hub-attaching device. H. Noster. No. 1,067,367; July 15; Gaz. vol. 192; p. 571.
- Hub attachment. C. E. Partridge. No. 1,075,849; Oct. 14; Gaz. vol. 195; p. 461.
- Hub, Detachable-wheel. P. Lapertot and A. Fayard. No. 1,057,561; Apr. 1; Gaz. vol. 189; p. 56.
- Hub dust-shield. W. G. Bear and K. C. Hurlbut. No. 1,061,506; May 13; Gaz. vol. 190; p. 460.
- Hub flange, Wheel. F. Kopplin. No. 1,080,011; Dec. 2; Gaz. vol. 197; p. 32.
- Hub for demountable wheels. T. I. Duffy. No. 1,076,558; Oct. 21; Gaz. vol. 195; p. 734.
- Hub for vehicle-wheels, Spring. W. E. Adams. No. 1,059,920; Apr. 22; Gaz. vol. 189; p. 980.
- Hub-liner for locomotive-wheels. T. Philbin and W. M. Monahan. No. 1,070,983; Aug. 19; Gaz. vol. 193; p. 715.
- Hub, Lubricating. P. D. Root. No. 1,058,105; Apr. 8; Gaz. vol. 189; p. 288.
- Hub-odometer. C. H. Veeder. No. 1,081,561; Dec. 16; Gaz. vol. 197; p. 631.
- Hub-plate, Lubricated. F. H. Smith. No. 1,058,478; Apr. 8; Gaz. vol. 189; p. 416.
- Hub plate, Wheel. M. Christman. No. 1,051,683; Jan. 28; Gaz. vol. 186; p. 907.
- Hub, Pneumatic. H. B. Blgsby and W. M. Lewis. No. 1,051,858; Feb. 4; Gaz. vol. 187; p. 4.
- Hub, Resilient wheel. J. W. Bready. No. 1,080,253; Dec. 2; Gaz. vol. 197; p. 117.
- Hub, Spring wheel. H. H. Hallett. No. 1,076,883; Oct. 28; Gaz. vol. 195; p. 903.
- Hub, Vehicle-wheel spring. J. C. Pearson. No. 1,051,628; Jan. 28; Gaz. vol. 186; p. 889.
- Hub, Wheel. J. J. Altman. No. 1,051,184; Jan. 21; Gaz. vol. 186; p. 707.
- Hub, Wheel. E. W. Perry. No. 1,072,983; Sept. 9; Gaz. vol. 194; p. 485.
- Hub, Wheel. F. Gambarini. No. 1,077,928; Nov. 4; Gaz. vol. 196; p. 236.
- Hubs, Dust-proof cap for vehicle. H. Higgin. No. 1,066,613; July 8; Gaz. vol. 192; p. 277.
- Hubs of wheels, Tool for cutting key-seats in the. W. G. Thumm. No. 1,070,750; Aug. 19; Gaz. vol. 193; p. 642.
- Huller. See Bean and pea huller; Cotton-huller; Seed-huller.
- Hulling and grinding apparatus, Fire-beating attachment for. G. G. Barker. No. 1,067,297; July 15; Gaz. vol. 192; p. 548.
- Hulling peas, beans, and the like, Machine for. R. P. Scott. No. 1,072,176; Sept. 2; Gaz. vol. 194; p. 173.
- Humidifier. W. H. Fletcher. No. 1,053,802; Feb. 18; Gaz. vol. 187; p. 746.
- Humidifier. G. A. Mayer. No. 1,070,275; Aug. 12; Gaz. vol. 193; p. 437.
- Humidifier. C. S. Drake. No. 1,079,935; Dec. 2; Gaz. vol. 197; p. 5.
- Humidity, Apparatus for indicating and regulating. W. B. Hodge. No. 1,080,109; Dec. 2; Gaz. vol. 197; p. 67.
- Humidity-controlling apparatus. J. H. Brady. No. 1,062,269; May 20; Gaz. vol. 190; p. 658.
- Humidor. R. A. Wilson. No. 1,054,159; Feb. 25; Gaz. vol. 187; p. 904.
- Humidor. E. S. Woods. No. 1,059,693; Apr. 22; Gaz. vol. 189; p. 907.
- Humidor. H. F. Guenther and W. C. Schulz. No. 1,074,714; Oct. 7; Gaz. vol. 195; p. 45.
- Humidor. C. H. Kelsea. No. 1,074,871; Oct. 7; Gaz. vol. 195; p. 96.
- Humidostat. L. F. Perkett. No. 1,060,786; May 6; Gaz. vol. 190; p. 75.
- Husking kernels or seeds and obtaining products therefrom. A. Heinemann. No. 1,051,582; Jan. 28; Gaz. vol. 186; p. 875.
- Hydrant. O. E. Duey. No. 1,058,736; Apr. 15; Gaz. vol. 189; p. 542.
- Hydrant. M. N. Phillips. No. 1,062,356; May 20; Gaz. vol. 190; p. 686.
- Hydrant and reel. G. A. Owen. No. 1,079,717; Nov. 25; Gaz. vol. 196; p. 946.
- Hydrant, Compression. J. A. Rourke. No. 1,080,719; Dec. 9; Gaz. vol. 197; p. 308.
- Hydrant for sheet-metal pipes, Swiveled irrigating. F. Hudson. No. 1,077,936; Nov. 4; Gaz. vol. 196; p. 239.
- Hydrant, Frost-proof. J. D. Martin. No. 1,050,033; Jan. 7; Gaz. vol. 186; p. 242.
- Hydraulic apparatus. C. Wigtel. No. 1,075,317; Oct. 7; Gaz. vol. 195; p. 254.
- Hydraulic compressor. G. Suida. No. 1,059,232; Apr. 15; Gaz. vol. 189; p. 714.
- Hydraulic cushion. W. J. Rider. No. 1,051,450; Jan. 28; Gaz. vol. 186; p. 829.
- Hydraulic elevator, Plunger. T. Larsson. (Reissue.) No. 13,512; Jan. 14; Gaz. vol. 186; p. 533.
- Hydraulic engine. L. Bruton. No. 1,083,186; Dec. 30; Gaz. vol. 197; p. 1240.
- Hydraulic jack. F. S. Livingston. No. 1,051,339; Jan. 21; Gaz. vol. 186; p. 758.
- Hydraulic jack. G. W. Seashole. No. 1,054,871; Mar. 4; Gaz. vol. 188; p. 76.
- Hydraulic jacks, &c., Pump mechanism for. E. P. Hess. No. 1,080,062; Dec. 2; Gaz. vol. 197; p. 50.
- Hydraulic-jet suction apparatus. W. J. Frame. No. 1,068,755; July 29; Gaz. vol. 192; p. 1117.
- Hydraulic motor. L. A. Laursen. No. 1,051,601; Jan. 28; Gaz. vol. 186; p. 881.
- Hydraulic motor. W. Brigger. No. 1,053,718; Apr. 15; Gaz. vol. 189; p. 535.
- Hydraulic motor. J. R. Nevers. No. 1,058,785; Apr. 15; Gaz. vol. 189; p. 559.
- Hydraulic motor. D. Dreier. No. 1,058,950; Apr. 15; Gaz. vol. 189; p. 618.
- Hydraulic motor. F. H. Grover. No. 1,061,937; May 13; Gaz. vol. 190; p. 503.
- Hydraulic motor. A. H. Perry. No. 1,063,381; June 3; Gaz. vol. 191; p. 72.
- Hydraulic motor. R. Macgregor. No. 1,068,790; July 29; Gaz. vol. 192; p. 1131.
- Hydraulic motor. C. R. Lawson. No. 1,072,475; Sept. 9; Gaz. vol. 194; p. 303.
- Hydraulic motor and pump, Combined. O. P. Rohr. No. 1,057,777; Apr. 1; Gaz. vol. 189; p. 129.
- Hydraulic-power plant. H. Spillmann. No. 1,064,390; June 10; Gaz. vol. 191; p. 452.
- Hydraulic-power system. A. L. Reynolds. No. 1,074,292; Sept. 30; Gaz. vol. 194; p. 1020.
- Hydraulic-power transformer. R. Heindl. No. 1,072,718; Sept. 9; Gaz. vol. 194; p. 386.
- Hydraulic power-transmission device. A. Citroen. No. 1,080,000; Dec. 2; Gaz. vol. 197; p. 28.
- Hydraulic press. B. Gerdau. No. 1,054,194; Feb. 25; Gaz. vol. 187; p. 916.
- Hydraulic press. W. Goyder and N. G. Beckwith. No. 1,054,197; Feb. 25; Gaz. vol. 187; p. 917.
- Hydraulic press. J. Preleuthner. No. 1,054,868; Mar. 4; Gaz. vol. 188; p. 75.
- Hydraulic press. W. H. Camp. No. 1,059,274; Apr. 15; Gaz. vol. 189; p. 729.
- Hydraulic press for continuously-fed pasty or loose material. J. Jacobsen. No. 1,073,856; Sept. 23; Gaz. vol. 194; p. 845.
- Hydraulic press, Steam. L. Iversen. No. 1,068,243; July 22; Gaz. vol. 192; p. 903.
- Hydraulic recoil-brake. F. Sachtleben. No. 1,063,070; May 27; Gaz. vol. 190; p. 964.
- Hydraulic testing-machine. L. Rogez. No. 1,057,502; Apr. 1; Gaz. vol. 189; p. 36.
- Hydraulic transmission apparatus. H. S. Hele-Shaw. No. 1,077,980; Nov. 11; Gaz. vol. 196; p. 285.
- Hydraulic transmission mechanism. W. Dunn. No. 1,055,619; Mar. 11; Gaz. vol. 188; p. 359.
- Hydro-explosive motor. A. V. Costar. No. 1,055,880; Mar. 11; Gaz. vol. 188; p. 448.
- Hydroaeroplane. S. H. Gilson. No. 1,057,999; Apr. 1; Gaz. vol. 189; p. 206.
- Hydrocarbon-burner. J. M. Hansen. No. 1,049,851; Jan. 7; Gaz. vol. 186; p. 181.
- Hydrocarbon-burner. H. L. Wadley. No. 1,049,950; Jan. 7; Gaz. vol. 186; p. 213.
- Hydrocarbon-burner. R. H. White. No. 1,054,066; Feb. 25; Gaz. vol. 187; p. 872.
- Hydrocarbon-burner. J. Nemece. No. 1,059,383; Apr. 22; Gaz. vol. 189; p. 803.
- Hydrocarbon-burner. G. W. Coen. No. 1,060,164; Apr. 29; Gaz. vol. 189; p. 1105.
- Hydrocarbon-burner. E. F. Zarbock. No. 1,060,305; Apr. 29; Gaz. vol. 189; p. 1156.
- Hydrocarbon-burner. F. J. Nice. No. 1,061,627; May 13; Gaz. vol. 190; p. 402.
- Hydrocarbon-burner. S. C. Hix. No. 1,066,496; July 8; Gaz. vol. 192; p. 236.
- Hydrocarbon-burner. J. W. Van Deventer. No. 1,066,686; July 8; Gaz. vol. 192; p. 303.
- Hydrocarbon-burner. W. E. Huenefeld. No. 1,070,603; Aug. 19; Gaz. vol. 193; p. 592.
- Hydrocarbon-burner. W. E. Huenefeld. No. 1,070,604; Aug. 19; Gaz. vol. 193; p. 592.
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- Hydrocarbon-burner. W. E. Huenefeld. No. 1,070,606; Aug. 19; Gaz. vol. 193; p. 593.
- Hydrocarbon-burner. W. E. Huenefeld. No. 1,070,607; Aug. 19; Gaz. vol. 193; p. 593.
- Hydrocarbon-burner. W. E. Huenefeld. No. 1,070,608; Aug. 19; Gaz. vol. 193; p. 594.
- Hydrocarbon-burner. W. E. Huenefeld. No. 1,070,609; Aug. 19; Gaz. vol. 193; p. 594.
- Hydrocarbon-burner. C. R. Wassell. No. 1,071,117; Aug. 26; Gaz. vol. 193; p. 797.

Alphabetical list of inventions—Continued.

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- Hydrocarbon-burner. W. T. Wall. No. 1,075,678; Oct. 14; Gaz. vol. 195; p. 403.
- Hydrocarbon-burner. H. Daley. No. 1,077,260; Nov. 4; Gaz. vol. 196; p. 6.
- Hydrocarbon-burner. J. M. McMurtrie and I. Robertson. No. 1,077,848; Nov. 4; Gaz. vol. 196; p. 207.
- Hydrocarbon-burner. J. W. Porter. No. 1,078,593; Nov. 11; Gaz. vol. 196; p. 496.
- Hydrocarbon-burner. E. P. Harms. No. 1,080,688; Dec. 9; Gaz. vol. 197; p. 298.
- Hydrocarbon burner, Fluid-. C. F. and I. C. Williams. No. 1,072,548; Sept. 9; Gaz. vol. 194; p. 329.
- Hydrocarbon burner, Fluid-. E. L. Reynolds. No. 1,076,449; Oct. 21; Gaz. vol. 195; p. 696.
- Hydrocarbon burner, Liquid-. D. McKee. No. 1,074,804; Oct. 7; Gaz. vol. 195; p. 74.
- Hydrocarbon-burning furnace. J. Snedden. No. 1,063,077; May 27; Gaz. vol. 190; p. 966.
- Hydrocarbon-feeding system. F. J. Nice. No. 1,054,441; Feb. 25; Gaz. vol. 187; p. 1001.
- Hydrocarbon-furnace. M. Connor. No. 1,069,230; Aug. 5; Gaz. vol. 193; p. 51.
- Hydrocarbon furnace, Liquid-. J. H. Becker. No. 1,068,037; July 22; Gaz. vol. 192; p. 832.
- Hydrocarbon-igniter. W. R. Jeavons. No. 1,071,749; Sept. 2; Gaz. vol. 194; p. 27.
- Hydrocarbon-motor. R. C. Root. No. 1,051,917; Feb. 4; Gaz. vol. 187; p. 23.
- Hydrocarbon-motor. S. D. Waldon. No. 1,054,808; Mar. 4; Gaz. vol. 188; p. 54.
- Hydrocarbon-motor. F. H. Trego. No. 1,073,183; Sept. 16; Gaz. vol. 194; p. 589.
- Hydrocarbon-motor. R. Huff. No. 1,080,761; Dec. 9; Gaz. vol. 197; p. 325.
- Hydrocarbon-motor. R. Huff. No. 1,080,762; Dec. 9; Gaz. vol. 197; p. 325.
- Hydrocarbon-motor. R. Huff. No. 1,082,527; Dec. 30; Gaz. vol. 197; p. 1018.
- Hydrocarbons, Obtaining a charge liquid particularly adapted for explosion-motors from liquid. R. Hense. No. 1,073,233; Sept. 16; Gaz. vol. 194; p. 607.
- Hydrocarbons of the benzene series, Reduction of meta-nitro derivatives of. B. J. Flürscheim. No. 1,074,545; Sept. 30; Gaz. vol. 194; p. 1102.
- Hydrocarbons with more than one double bond, Producing. K. Gottlob. No. 1,065,522; June 24; Gaz. vol. 191; p. 904.
- Hydrocycle. M. L. Osofs and M. R. Slutzky. No. 1,060,620; May 6; Gaz. vol. 190; p. 20.
- Hydrodynamic balance. E. F. Fisher. No. 1,049,836; Jan. 7; Gaz. vol. 186; p. 176.
- Hydrogen, Apparatus for the manufacture of. F. Bergius. No. 1,059,817; Apr. 22; Gaz. vol. 189; p. 948.
- Hydrogen from metals and water, Manufacture of. F. Bergius. No. 1,059,818; Apr. 22; Gaz. vol. 189; p. 948.
- Hydrogen peroxid and forming the same, Solidified. F. E. Stockelbach. No. 1,051,926; Feb. 4; Gaz. vol. 187; p. 27.
- Hydrogen peroxid, Apparatus for making. A. E. Stoll. No. 1,052,626; Feb. 11; Gaz. vol. 187; p. 299.
- Hydrogen-peroxid compound, Stabilized urea-. M. Stern. No. 1,071,186; Aug. 26; Gaz. vol. 193; p. 819.
- Hydrogen-peroxid compounds, Producing stable. M. Hartmann and E. Jacoby. No. 1,063,679; June 3; Gaz. vol. 191; p. 178.
- Hydrogen peroxid, Making. A. Pietzsch and G. Adolph. No. 1,063,383; June 3; Gaz. vol. 191; p. 73.
- Hydrogen peroxid, Stable. O. Liebknecht. No. 1,058,070; Apr. 8; Gaz. vol. 189; p. 275.
- Hydrogen, Production of. H. Lane. No. 1,078,686; Nov. 18; Gaz. vol. 196; p. 561.
- Hydrogen, Production of sulfureted. W. A. Hall. No. 1,083,247; Dec. 30; Gaz. vol. 197; p. 1262.
- Hydrogen under pressure, Working with. C. Bosch and F. Lappe. No. 1,075,085; Oct. 7; Gaz. vol. 195; p. 171.
- Hydrogen under pressure, Working with. C. Bosch. No. 1,077,034; Oct. 28; Gaz. vol. 195; p. 956.
- Hydrogenized products from unsaturated compounds, Preparing. A. Skita. No. 1,063,746; June 3; Gaz. vol. 191; p. 200.
- Hydrogenizing organic compounds. H. Thron. No. 1,077,442; Nov. 4; Gaz. vol. 196; p. 72.
- Hydrographic chronograph. G. E. Lawrence. No. 1,054,849; Mar. 4; Gaz. vol. 188; p. 68.
- Hydrometer. F. J. Berberich. No. 1,074,039; Sept. 23; Gaz. vol. 194; p. 907.
- Hydrometer, Continuous indicating-. G. R. McDonald. No. 1,071,167; Aug. 26; Gaz. vol. 193; p. 812.
- Hydrometer, Recording-. J. F. Steiger. No. 1,067,073; July 8; Gaz. vol. 192; p. 433.
- Hydroplane. S. E. Bailey. No. 1,080,407; Dec. 2; Gaz. vol. 197; p. 173.
- Hydroplane for submersible boats, Folding. G. C. Davidson. No. 1,073,100; Sept. 16; Gaz. vol. 194; p. 561.
- Hydrothermometer. F. J. Suchanek. No. 1,054,879; Mar. 4; Gaz. vol. 188; p. 78.
- Hydroturbine-aspirator. T. O. Perry. No. 1,071,789; Sept. 2; Gaz. vol. 194; p. 43.
- Hyperemia, Device for producing and maintaining. T. W. Sims. No. 1,071,103; Aug. 26; Gaz. vol. 193; p. 792.
- Ice, Apparatus for the manufacture of plate-. E. E. Gainer. No. 1,082,512; Dec. 30; Gaz. vol. 197; p. 1013.
- Ice-bag, water-bottle, and fountain-syringe, Combination. C. J. Barrenpohl. No. 1,079,203; Nov. 18; Gaz. vol. 196; p. 741.
- Ice-box. R. W. Hartwell. No. 1,080,551; Dec. 9; Gaz. vol. 197; p. 253.
- Ice-box and house-cooler, Combined. J. A. Smith. No. 1,069,489; Aug. 5; Gaz. vol. 193; p. 140.
- Ice-can. R. P. Kehoe. No. 1,066,018; July 1; Gaz. vol. 192; p. 40.
- Ice-chest-fastening device. A. J. Allison. No. 1,052,785; Feb. 11; Gaz. vol. 187; p. 353.
- Ice-chipper. A. M. Wood. No. 1,074,307; Sept. 30; Gaz. vol. 194; p. 1025.
- Ice conveyor and elevator. R. D. Van Valkenburgh. No. 1,049,623; Jan. 7; Gaz. vol. 186; p. 106.
- Ice, &c., Conveyer for handling. B. B. Phillips. No. 1,072,985; Sept. 9; Gaz. vol. 194; p. 485.
- Ice-cream cabinet. C. Nelson. No. 1,069,071; July 29; Gaz. vol. 192; p. 1227.
- Ice-cream-cone disher. T. J. Brandt. No. 1,069,226; Aug. 5; Gaz. vol. 193; p. 49.
- Ice-cream-cone dispenser. M. H. Fisher. No. 1,076,967; Oct. 28; Gaz. vol. 195; p. 933.
- Ice-cream-cone filler. W. Krist. No. 1,057,065; Mar. 25; Gaz. vol. 188; p. 918.
- Ice-cream-cone filler. R. Nielsen. No. 1,078,209; Nov. 11; Gaz. vol. 196; p. 364.
- Ice-cream-cone-filling device. B. T. Wilson and W. F. Ratcliff. No. 1,062,940; May 27; Gaz. vol. 190; p. 921.
- Ice-cream-cone holder. S. Shellhammer. No. 1,067,151; July 8; Gaz. vol. 192; p. 461.
- Ice-cream-cone machine. W. Bauckmann. No. 1,070,225; Aug. 12; Gaz. vol. 193; p. 421.
- Ice-cream-cone machine. F. A. Bruckman. No. 1,075,625; Oct. 14; Gaz. vol. 195; p. 385.
- Ice-cream-cooling tank. A. L. Burton. No. 1,063,652; June 3; Gaz. vol. 191; p. 168.
- Ice-cream disher. J. J. Honecker. No. 1,049,585; Jan. 7; Gaz. vol. 186; p. 92.
- Ice-cream filler. J. H. Wales. No. 1,063,481; June 3; Gaz. vol. 191; p. 105.
- Ice-cream freezer. B. Kuhl. No. 1,050,665; Jan. 14; Gaz. vol. 186; p. 492.
- Ice-cream freezer. B. A. Casmire. No. 1,053,708; Feb. 18; Gaz. vol. 187; p. 716.
- Ice-cream freezer. F. Tyson. No. 1,071,371; Aug. 26; Gaz. vol. 193; p. 881.
- Ice-cream freezer. E. Thompson. No. 1,081,790; Dec. 16; Gaz. vol. 197; p. 706.
- Ice-cream freezer, Continuous. J. H. Carpenter. No. 1,076,950; Oct. 28; Gaz. vol. 195; p. 927.
- Ice-cream-freezer dasher. J. Douglas. No. 1,067,007; July 8; Gaz. vol. 192; p. 411.
- Ice-cream-freezer-frame lock. J. S. Parrish. No. 1,077,489; Nov. 4; Gaz. vol. 196; p. 88.
- Ice-cream-freezing machine. T. Sturtewagen. No. 1,051,355; Jan. 21; Gaz. vol. 186; p. 763.
- Ice-creeper. O. A. Norlund. No. 1,051,154; Jan. 21; Gaz. vol. 186; p. 697.
- Ice-creeper. H. B. Chase. No. 1,052,038; Feb. 4; Gaz. vol. 187; p. 67.
- Ice-creeper. H. B. Declus. No. 1,055,144; Mar. 4; Gaz. vol. 188; p. 165.
- Ice-creeper. A. D. Bacon, Jr. No. 1,058,343; Apr. 8; Gaz. vol. 189; p. 371.
- Ice-creeper. C. Feister. No. 1,059,853; Apr. 22; Gaz. vol. 189; p. 958.
- Ice-creeper for horses. E. Kilcup. No. 1,051,895; Feb. 4; Gaz. vol. 187; p. 17.
- Ice-creeper for horseshoes. H. L. Riley. No. 1,057,880; Apr. 1; Gaz. vol. 189; p. 166.
- Ice-cutting device. G. L. Gray. No. 1,058,363; Apr. 8; Gaz. vol. 189; p. 378.
- Ice-cutting machine. C. W. Pruess. No. 1,050,291; Jan. 14; Gaz. vol. 186; p. 363.
- Ice-cutting machine. E. B. Hanson. No. 1,058,055; Apr. 8; Gaz. vol. 189; p. 269.
- Ice-cutting machine. S. J. Ferriss. No. 1,067,328; July 15; Gaz. vol. 192; p. 559.
- Ice-cutting machine. J. B. Wasson. No. 1,070,930; Aug. 19; Gaz. vol. 193; p. 698.
- Ice-cutting machine. Power. R. A. Gaul. No. 1,063,527; June 3; Gaz. vol. 191; p. 120.
- Ice in skating-rinks, Making and maintaining. D. H. Scott. No. 1,053,443; Feb. 18; Gaz. vol. 187; p. 624.
- Ice-machine. D. L. Holden. No. 1,054,771; Mar. 4; Gaz. vol. 188; p. 41.
- Ice-machine. J. A. Aubol. No. 1,068,405; July 29; Gaz. vol. 192; p. 997.
- Ice-machine press. D. L. Holden. No. 1,054,772; Mar. 4; Gaz. vol. 188; p. 41.
- Ice making and harvesting apparatus. E. T. Williams. No. 1,051,296; Jan. 21; Gaz. vol. 186; p. 743.
- Ice making and harvesting apparatus. E. T. Williams. No. 1,051,297; Jan. 21; Gaz. vol. 186; p. 744.
- Ice making and harvesting apparatus. E. T. Williams. No. 1,051,298; Jan. 21; Gaz. vol. 186; p. 744.

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- Ice making and harvesting apparatus. E. T. Williams. No. 1,051,300; Jan. 21; Gaz. vol. 186; p. 745.
- Ice making and harvesting apparatus. Z. U. Dodge. No. 1,066,262; July 1; Gaz. vol. 192; p. 128.
- Ice-making and refrigerating machinery. T. Shipley. No. 1,079,610; Nov. 25; Gaz. vol. 196; p. 911.
- Ice-making and refrigerating machines, Condenser for. T. Shipley. No. 1,079,609; Nov. 25; Gaz. vol. 196; p. 911.
- Ice-making apparatus. L. Wolf. No. 1,064,272; June 10; Gaz. vol. 191; p. 412.
- Ice-making apparatus. H. Heheimer. No. 1,070,465; Aug. 19; Gaz. vol. 193; p. 545.
- Ice-making apparatus. Z. U. Dodge. No. 1,074,417; Sept. 30; Gaz. vol. 194; p. 1062.
- Ice-making apparatus. W. McCormick. No. 1,077,484; Nov. 4; Gaz. vol. 196; p. 86.
- Ice-making apparatus. J. Humes. No. 1,082,871; Dec. 30; Gaz. vol. 197; p. 1140.
- Ice-making apparatus, Compressor for. C. A. Sanquist. No. 1,055,661; Mar. 11; Gaz. vol. 188; p. 374.
- Ice-making machine. T. H. Ray. No. 1,077,916; Nov. 4; Gaz. vol. 196; p. 231.
- Ice-making machine. W. Graaff. No. 1,079,334; Nov. 25; Gaz. vol. 196; p. 815.
- Ice-making machine. W. Graaff. No. 1,082,944; Dec. 30; Gaz. vol. 197; p. 1165.
- Ice-making-machine cooling attachment. W. Graaff. No. 1,076,760; Oct. 28; Gaz. vol. 195; p. 859.
- Ice-making-plant apparatus. J. Steynis. No. 1,068,608; July 29; Gaz. vol. 192; p. 1066.
- Ice-manufacturing apparatus. W. E. Armistead. No. 1,062,530; May 20; Gaz. vol. 190; p. 743.
- Ice-manufacturing apparatus. L. L. Wilson. No. 1,068,723; July 29; Gaz. vol. 192; p. 1107.
- Ice-pick. W. H. Stinchcomb and H. Wallis. No. 1,059,783; Apr. 22; Gaz. vol. 189; p. 937.
- Ice-pick. J. Hutchinson. No. 1,080,220; Dec. 2; Gaz. vol. 197; p. 106.
- Ice-shaving machine. F. H. Lippincott. No. 1,077,482; Nov. 4; Gaz. vol. 196; p. 86.
- Ice-tank and hydraulic scale, Combination. H. S. Munch. No. 1,073,922; Sept. 23; Gaz. vol. 194; p. 868.
- Ice-tongs. O. I. Lawrence. No. 1,065,056; June 17; Gaz. vol. 191; p. 708.
- Ice-tongs and scale. J. L. Smallwood. No. 1,059,083; Apr. 15; Gaz. vol. 189; p. 664.
- Icebergs at sea, Apparatus to indicate the proximity of. W. G. Day. No. 1,057,807; Apr. 1; Gaz. vol. 189; p. 141.
- Identification device. E. Fuchs. No. 1,073,036; Sept. 9; Gaz. vol. 194; p. 501.
- Igniter. L. V. Raulet. No. 1,052,089; Feb. 4; Gaz. vol. 187; p. 85.
- Igniter. C. Hinkel. No. 1,066,902; July 8; Gaz. vol. 192; p. 376.
- Igniter. G. B. Lambert. No. 1,072,961; Sept. 9; Gaz. vol. 194; p. 476.
- Igniter. E. C. Jones. No. 1,074,265; Sept. 30; Gaz. vol. 194; p. 1011.
- Igniter. F. W. Goerdes. No. 1,079,002; Nov. 18; Gaz. vol. 196; p. 671.
- Igniter, Make-and-break. H. W. Bolens. No. 1,073,087; Sept. 16; Gaz. vol. 194; p. 556.
- Igniters, Interrupter for magneto-electric. G. Unterberg. No. 1,053,248; Feb. 18; Gaz. vol. 187; p. 556.
- Ignition apparatus. H. Lyon. No. 1,068,681; July 29; Gaz. vol. 192; p. 1092.
- Ignition device. J. B. Curry. No. 1,055,260; Mar. 4; Gaz. vol. 188; p. 202.
- Ignition device. A. S. Kiefer. No. 1,060,906; May 6; Gaz. vol. 190; p. 119.
- Ignition device. T. Hubert. No. 1,064,329; June 10; Gaz. vol. 191; p. 431.
- Ignition device, Magneto. H. H. Wixon. No. 1,075,531; Oct. 14; Gaz. vol. 195; p. 352.
- Ignition-generator. B. Ames. No. 1,076,806; Oct. 28; Gaz. vol. 195; p. 875.
- Ignition - sparks, Means for producing. A. Kazenmaier. No. 1,064,915; June 17; Gaz. vol. 191; p. 662.
- Ignition-strips, Machine for making. E. F. Koehler. No. 1,069,706; Aug. 12; Gaz. vol. 193; p. 241.
- Ignition system. C. T. Mason. No. 1,051,425; Jan. 28; Gaz. vol. 186; p. 821.
- Ignition system and apparatus. R. Varley. No. 1,071,373; Aug. 26; Gaz. vol. 193; p. 882.
- Ignition system, Magneto. J. M. Dinkins and F. B. Hays. No. 1,074,416; Sept. 30; Gaz. vol. 194; p. 1062.
- Ignition-system timing device. J. F. Middleton. No. 1,079,256; Nov. 18; Gaz. vol. 196; p. 757.
- Ignition systems, Interrupter device for. J. M. Smith. No. 1,064,176; June 10; Gaz. vol. 191; p. 379.
- Ignition systems, Make-and-break device for. T. Hubert. No. 1,050,461; Jan. 14; Gaz. vol. 186; p. 424.
- Ignition systems, Timer for. W. N. Barrett. No. 1,064,122; June 10; Gaz. vol. 191; p. 361.
- Illuminated fountain. J. H. Reichart. No. 1,073,521; Sept. 16; Gaz. vol. 194; p. 707.
- Illuminating and advertising device, Combined. G. A. Harter and J. C. Smith. No. 1,075,565; Oct. 14; Gaz. vol. 195; p. 364.
- Illuminating appliance. O. A. Mygatt. No. 1,061,000; May 6; Gaz. vol. 190; p. 153.
- Illuminating device. K. Edison. No. 1,071,900; Sept. 2; Gaz. vol. 194; p. 80.
- Illuminating device. J. Lafitte. No. 1,073,147; Sept. 16; Gaz. vol. 194; p. 576.
- Illuminating device. R. K. Witz. No. 1,081,646; Dec. 16; Gaz. vol. 197; p. 657.
- Illusion device. L. McCormick. No. 1,079,902; Nov. 25; Gaz. vol. 196; p. 1013.
- Impact-engine. G. R. Bennett. No. 1,063,240; June 3; Gaz. vol. 191; p. 25.
- Implement attachment. W. J. Dunham. No. 1,075,633; Oct. 14; Gaz. vol. 195; p. 389.
- Implement, Compound. J. H. Biehl. No. 1,073,565; Sept. 16; Gaz. vol. 194; p. 722.
- Implement-handle. E. L. Upson and H. W. Pleister. No. 1,078,228; Nov. 11; Gaz. vol. 196; p. 370.
- Implement-holder. G. F. Schahl. No. 1,078,805; Nov. 18; Gaz. vol. 196; p. 603.
- Implement, Pocket. J. S. Cameron. No. 1,076,010; Oct. 14; Gaz. vol. 195; p. 516.
- Implement, Pocket. M. P. Hermann. No. 1,083,095; Dec. 30; Gaz. vol. 197; p. 1216.
- Impregnating. C. Scott and W. Deats. No. 1,053,880; Feb. 18; Gaz. vol. 187; p. 771.
- Impregnating and coating materials, Apparatus for. L. P. Distribats. No. 1,072,705; Sept. 9; Gaz. vol. 194; p. 382.
- Impregnating wood and products thereof. L. H. Baekeland. No. 1,057,211; Mar. 25; Gaz. vol. 188; p. 968.
- Impregnator. A. J. Curlee. No. 1,052,895; Feb. 11; Gaz. vol. 187; p. 391.
- Impressing mechanism and process. R. Magrane. No. 1,065,951; July 1; Gaz. vol. 192; p. 17.
- Incandescence bodies, Manufacturing. W. Bruno. No. 1,051,677; Jan. 28; Gaz. vol. 186; p. 906.
- Incandescent bodies of tungsten, Manufacture of. A. Pacz. No. 1,071,568; Aug. 26; Gaz. vol. 193; p. 946.
- Incandescent burner. G. Bourrelly. No. 1,054,333; Feb. 25; Gaz. vol. 187; p. 963.
- Incandescent gas-mantle. A. F. Millan. No. 1,060,478; Apr. 29; Gaz. vol. 189; p. 1216.
- Incandescent mantles to holders, Attaching inverted. A. Scheidegger. No. 1,079,955; Dec. 2; Gaz. vol. 197; p. 11.
- Incinerator. T. Gamon. No. 1,054,405; Feb. 25; Gaz. vol. 187; p. 989.
- Incinerator. O. J. Charles. No. 1,056,259; Mar. 18; Gaz. vol. 188; p. 612.
- Incinerator. F. L. A. S., and L. A. R. Decarie. No. 1,065,864; June 24; Gaz. vol. 191; p. 1019.
- Incinerator. H. L. Boyd. No. 1,070,943; Aug. 19; Gaz. vol. 193; p. 703.
- Incinerator, Latrine-. E. C. Lewis. No. 1,069,962; Aug. 12; Gaz. vol. 193; p. 329.
- Incinerator, Latrine-. E. C. Lewis. No. 1,070,045; Aug. 12; Gaz. vol. 193; p. 358.
- Incubation, Artificial. J. L. Nix. No. 1,049,519; Jan. 7; Gaz. vol. 186; p. 67.
- Incubator. G. H. Lee. No. 1,053,734; Feb. 18; Gaz. vol. 187; p. 725.
- Incubator. R. F. Toope. No. 1,057,301; Mar. 25; Gaz. vol. 188; p. 998.
- Incubator. L. W. Everhart. No. 1,058,852; Apr. 15; Gaz. vol. 189; p. 583.
- Incubator. H. Gilliam. No. 1,059,605; Apr. 22; Gaz. vol. 189; p. 878.
- Incubator. G. H. Lee. No. 1,060,552; Apr. 29; Gaz. vol. 189; p. 1242.
- Incubator. H. W. Axford. No. 1,062,687; May 27; Gaz. vol. 190; p. 837.
- Incubator. G. S. Shelton. No. 1,067,763; July 15; Gaz. vol. 192; p. 705.
- Incubator. O. A. Hensel. No. 1,068,128; July 22; Gaz. vol. 192; p. 861.
- Incubator. H. J. Andersen. No. 1,070,315; Aug. 12; Gaz. vol. 193; p. 452.
- Incubator. E. W. Andrews. No. 1,073,314; Sept. 16; Gaz. vol. 194; p. 637.
- Incubator. T. N. Thomson. No. 1,082,980; Dec. 30; Gaz. vol. 197; p. 1178.
- Incubator-alarm. C. W. Kelley. No. 1,064,658; June 10; Gaz. vol. 191; p. 543.
- Incubator and brooder, Combined. L. A. Clayton. No. 1,051,988; Feb. 4; Gaz. vol. 187; p. 48.
- Incubator attachment. M. R. Lowell. No. 1,082,350; Dec. 23; Gaz. vol. 197; p. 928.
- Incubator egg-supporting surface. J. L. Shute. No. 1,080,489; Dec. 2; Gaz. vol. 197; p. 200.
- Incubator egg-tray. F. Geiger. No. 1,081,903; Dec. 16; Gaz. vol. 197; p. 743.
- Incubator-heating system. C. S. Bryant. (Reissue.) No. 13,515; Jan. 21; Gaz. vol. 186; p. 771.
- Incubator, Hot-air. H. Fuchs. No. 1,070,677; Aug. 19; Gaz. vol. 193; p. 617.
- Incubator, Semifireless. C. W. Zimmer. No. 1,075,747; Oct. 14; Gaz. vol. 195; p. 426.

Alphabetical list of inventions—Continued.

- Incubator thermometer-holder. W. G. Weed. No. 1,080,131; Dec. 2; Gaz. vol. 197; p. 74.
- Incubators and the like, Thermostatic damper-regulator for. N. P. B. Ellegaard. No. 1,082,115; Dec. 23; Gaz. vol. 197; p. 845.
- Incubators, Egg-cabinet for. W. L. and A. Drake. No. 1,051,710; Jan. 28; Gaz. vol. 186; p. 916.
- Incubators, Egg-tray for. M. T. Glaeser. No. 1,051,575; Jan. 28; Gaz. vol. 186; p. 873.
- Incubators, Electric regulator for. C. C. Carter. No. 1,079,213; Nov. 18; Gaz. vol. 196; p. 744.
- Incubators, Reversible egg-tray for. O. Tetschner. No. 1,071,534; Aug. 26; Gaz. vol. 193; p. 935.
- Index. C. B. Van Dyke. No. 1,075,522; Oct. 14; Gaz. vol. 195; p. 349.
- Index, Account-. W. E. Roach. No. 1,077,752; Nov. 4; Gaz. vol. 196; p. 175.
- Index and ledger, Catenated. J. N. Borroughs. No. 1,065,337; June 24; Gaz. vol. 191; p. 840.
- Index apparatus. C. D. Colley. No. 1,067,799; July 22; Gaz. vol. 192; p. 751.
- Index, Card-. D. F. Carver. No. 1,058,009; Feb. 11; Gaz. vol. 187; p. 429.
- Index-card for filing systems. C. B. Stillwell. No. 1,053,670; Feb. 18; Gaz. vol. 187; p. 702.
- Index-card for filing systems. C. B. Stillwell. No. 1,053,671; Feb. 18; Gaz. vol. 187; p. 702.
- Index-cards, Tab for. J. F. Dunleavy. No. 1,077,334; Nov. 4; Gaz. vol. 196; p. 32.
- Index case, Card-. E. G. Sampson. No. 1,069,477; Aug. 5; Gaz. vol. 193; p. 137.
- Index-clip. E. Herold. No. 1,055,397; Mar. 11; Gaz. vol. 188; p. 286.
- Index for cocks or faucets. P. Mueller and A. C. Schuermann. No. 1,049,591; Jan. 7; Gaz. vol. 186; p. 94.
- Index holder. Card-. C. E. Campbell. No. 1,076,625; Oct. 21; Gaz. vol. 195; p. 759.
- Index holder or tab for filing-cases and the like. R. E. Morrell. No. 1,071,625; Aug. 26; Gaz. vol. 193; p. 965.
- Index, Interchangeable. H. J. Hick and A. F. Staples. No. 1,052,585; Feb. 11; Gaz. vol. 187; p. 285.
- Index-leaf, Insertible. C. F. Jacobs. No. 1,056,997; Mar. 25; Gaz. vol. 188; p. 895.
- Index, Loose-leaf. J. A. Best. No. 1,065,895; June 24; Gaz. vol. 191; p. 1030.
- Index system. G. P. Wigginton. No. 1,070,566; Aug. 19; Gaz. vol. 193; p. 581.
- Index system, Card-. J. S. Duncan. No. 1,053,283; Feb. 18; Gaz. vol. 187; p. 569.
- Index-tab. V. Munger and C. S. Carter. No. 1,052,505; Feb. 11; Gaz. vol. 187; p. 259.
- Index-tab. G. E. Bissex. No. 1,059,519; Apr. 22; Gaz. vol. 189; p. 850.
- Index-tab. P. H. Yawman. No. 1,063,310; June 3; Gaz. vol. 191; p. 47.
- Index-tab. W. E. Harrod. No. 1,071,916; Sept. 2; Gaz. vol. 194; p. 85.
- Index-tab. H. B. Burckhart. No. 1,079,209; Nov. 18; Gaz. vol. 196; p. 742.
- Index-tag. G. H. Taylor. No. 1,069,828; Aug. 12; Gaz. vol. 193; p. 285.
- Index, Touch-system. H. A. Wardy. No. 1,058,118; Apr. 8; Gaz. vol. 189; p. 292.
- Indexing means for record-books. J. G. Wise. No. 1,069,092; July 29; Gaz. vol. 192; p. 1236.
- Indicating and recording device. B. Marker. No. 1,062,345; May 20; Gaz. vol. 190; p. 683.
- Indicating device. C. R. B. Claffin. No. 1,072,426; Sept. 9; Gaz. vol. 194; p. 286.
- Indicating device. F. Rosewater. No. 1,075,859; Oct. 14; Gaz. vol. 195; p. 464.
- Indicating-gage. P. G. MacGregor. No. 1,070,973; Aug. 19; Gaz. vol. 193; p. 712.
- Indicating-lock. M. Arita. No. 1,081,190; Dec. 9; Gaz. vol. 197; p. 467.
- Indicating mechanism. E. D. Dennis and A. A. Kreuter. No. 1,054,185; Feb. 25; Gaz. vol. 187; p. 913.
- Indicating orders and recording deliveries, System of. W. H. Bell, Jr. No. 1,056,488; Mar. 18; Gaz. vol. 188; p. 689.
- Indicating torque-meter. A. E. Guy. No. 1,061,372; May 13; Gaz. vol. 190; p. 312.
- Indicator. *See* Automobile-indicator; Bottle-indicator; Buoyancy-indicator; Car-indicator; Car street-indicator; Changeable indicator; Demand-indicator; Dial test-indicator; Electric indicator; Electrical indicator; Electrically-controlled indicator; Elevator-indicator; Elevator safety-indicator; Engine-indicator; Fare-indicator; Fluid-indicator; Frequency-indicator; Gage-indicator; Liquid-flow indicator; Liquid-level indicator; Mail-indicator; Mail-box indicator; Meat-cutter indicator; Note-sheet-indicator; Platform-indicator; Power-factor indicator; Program-indicator; Railway-station indicator; Route-indicator; Schedule-indicator; Ship's draft-indicator; Speed-indicator; Station-indicator; Street-indicator; Street or station indicator; Surface-indicator; Telephone-indicator; Telephone-call indicator; Tire-deflation indicator; Tire-pressure indicator; Vehicle-indicator; Vehicle street-indicator; Visual indicator; Watch winding-indicator; Wind-indicator.
- Indicator. A. S. Ingman. No. 1,050,078; Jan. 7; Gaz. vol. 186; p. 258.
- Indicator. J. Neilson. No. 1,052,686; Feb. 11; Gaz. vol. 187; p. 320.
- Indicator. L. B. Love. No. 1,057,970; Apr. 1; Gaz. vol. 189; p. 196.
- Indicator. S. C. Cox. No. 1,058,558; Apr. 8; Gaz. vol. 189; p. 444.
- Indicator. T. G. Fortune and W. Lotridge. No. 1,063,963; June 10; Gaz. vol. 191; p. 305.
- Indicator. A. P. Andersen. No. 1,064,954; June 17; Gaz. vol. 191; p. 676.
- Indicator. P. R. Thomas. No. 1,067,079; July 8; Gaz. vol. 192; p. 435.
- Indicator. E. Waters. No. 1,070,563; Aug. 19; Gaz. vol. 193; p. 580.
- Indicator. O. S. Jones. No. 1,075,038; Oct. 7; Gaz. vol. 195; p. 155.
- Indicator. J. Wicklund. No. 1,076,180; Oct. 21; Gaz. vol. 195; p. 601.
- Indicator. L. A. Cock. No. 1,078,573; Nov. 11; Gaz. vol. 196; p. 489.
- Indicator. L. S. Larson. No. 1,081,843; Dec. 16; Gaz. vol. 197; p. 726.
- Indicator-actuating mechanism. O. E. Kellum. No. 1,069,881; Aug. 12; Gaz. vol. 193; p. 303.
- Indicator and alarm. J. W. Sullivan. No. 1,055,099; Mar. 4; Gaz. vol. 188; p. 151.
- Indicator and power device therefor. W. E. and M. E. Walters. No. 1,075,882; Oct. 14; Gaz. vol. 195; p. 471.
- Indicator and recorder. E. Hodgkinson. No. 1,063,349; June 3; Gaz. vol. 191; p. 61.
- Indicator-generator for ignition purposes. T. E. and H. J. Podlesak. No. 1,056,360; Mar. 18; Gaz. vol. 188; p. 643.
- Indicator-lock. K. D. Senior. No. 1,066,664; July 8; Gaz. vol. 192; p. 295.
- Indicator mechanism. E. J. Pace and O. E. Kellum. No. 1,080,161; Dec. 2; Gaz. vol. 197; p. 85.
- Indicator-operating mechanism. E. J. Pace. No. 1,064,927; June 17; Gaz. vol. 191; p. 666.
- Indigo and making same, Dry colloid-like. A. Schmidt. No. 1,058,021; Apr. 1; Gaz. vol. 189; p. 214.
- Indigo in a new form and making same, Synthetic. A. Schmidt. No. 1,058,019; Apr. 1; Gaz. vol. 189; p. 214.
- Indigo in a new form and making same, Synthetic. A. Schmidt. No. 1,058,020; Apr. 1; Gaz. vol. 189; p. 214.
- Indigo, Manufacturing a new form of synthetic. A. Schmidt and A. Steindorff. No. 1,057,886; Apr. 1; Gaz. vol. 189; p. 168.
- Indigo, Manufacturing finely-divided colloid-like. A. Schmidt and A. Steindorff. No. 1,057,887; Apr. 1; Gaz. vol. 189; p. 169.
- Indigo-white preparations and making same, Stable. A. Schmidt and A. Steindorff. No. 1,054,039; Feb. 25; Gaz. vol. 187; p. 863.
- Inductance-coil. F. G. Thackaberry. No. 1,080,605; Dec. 9; Gaz. vol. 197; p. 270.
- Inductance, Variable. T. E. Paling. No. 1,054,862; Mar. 4; Gaz. vol. 188; p. 73.
- Induction-alternator. L. J. Le Pontois. No. 1,058,244; Apr. 8; Gaz. vol. 189; p. 335.
- Induction-motor. A. M. Gray. No. 1,049,703; Jan. 7; Gaz. vol. 186; p. 132.
- Induction-motor. K. A. Pauly. No. 1,067,270; July 15; Gaz. vol. 192; p. 538.
- Induction-motor. K. A. Pauly. (Reissue.) No. 13,638; Nov. 4; Gaz. vol. 196; p. 250.
- Induction-motor. R. E. Hellmund. No. 1,080,061; Dec. 2; Gaz. vol. 197; p. 50.
- Induction-motor. W. H. Powell. No. 1,080,475; Dec. 2; Gaz. vol. 197; p. 194.
- Inductive controlling apparatus. A. Sundh. No. 1,052,528; Feb. 11; Gaz. vol. 187; p. 266.
- Inductor-generator for ignition purposes. J. L. Milton. No. 1,051,373; Jan. 21; Gaz. vol. 186; p. 769.
- Infant yard or pen. C. Weaver. No. 1,071,283; Aug. 26; Gaz. vol. 193; p. 851.
- Infant's band. G. F. Earnshaw. No. 1,077,264; Nov. 4; Gaz. vol. 196; p. 8.
- Inflatable ball. T. R. Cline. No. 1,059,836; Apr. 22; Gaz. vol. 189; p. 953.
- Ingot. E. Gathmann. No. 1,061,467; May 13; Gaz. vol. 190; p. 345.
- Ingot, Composite metal. F. E. Canda. No. 1,059,525; Apr. 22; Gaz. vol. 189; p. 852.
- Ingot-manufacturing apparatus. W. H. Connell. No. 1,074,251; Sept. 30; Gaz. vol. 194; p. 1006.
- Ingot-mold. W. Vollmer and A. F. Gibboney. No. 1,051,787; Jan. 28; Gaz. vol. 186; p. 940.
- Ingot-mold. W. R. Bossinger. No. 1,070,106; Aug. 12; Gaz. vol. 193; p. 379.
- Ingot-molds, Apparatus for handling. S. T. Wellman and H. W. Lash. No. 1,073,196; Sept. 16; Gaz. vol. 194; p. 593.
- Ingots from their molds, Method and apparatus for stripping. E. Gathmann. No. 1,059,667; Apr. 22; Gaz. vol. 189; p. 898.

Alphabetical list of inventions—Continued.

- Ingots from their molds. Stripping. E. Gathmann. No. 1,059,668; Apr. 22; Gaz. vol. 189; p. 899.
- Ingots, Manufacture of. W. H. Connell. No. 1,074,248; Sept. 30; Gaz. vol. 194; p. 1006.
- Ingots, Manufacture of. W. H. Connell. No. 1,074,249; Sept. 30; Gaz. vol. 194; p. 1006.
- Ingots, Manufacture of. S. T. Wellman. No. 1,081,997; Dec. 23; Gaz. vol. 197; p. 805.
- Ingots, Treating cast. G. P. McNiff. No. 1,053,738; Feb. 18; Gaz. vol. 187; p. 726.
- Inhaler. W. H. De Ford. No. 1,050,621; Jan. 14; Gaz. vol. 186; p. 479.
- Inhaler. O. J. J. Witt. No. 1,063,406; June 3; Gaz. vol. 191; p. 80.
- Inhaler. J. B. Miller. No. 1,072,759; Sept. 9; Gaz. vol. 194; p. 401.
- Inhaler and respirator. F. J. McSpirit. No. 1,068,800; July 29; Gaz. vol. 192; p. 1134.
- Inhaler, Mouth-. W. H. De Ford. No. 1,050,620; Jan. 14; Gaz. vol. 186; p. 479.
- Inhaler, Nasal. W. A. Johnston, A. W. Browne, and F. L. Wallace. No. 1,081,745; Dec. 16; Gaz. vol. 197; p. 689.
- Inhaling apparatus. O. Walker. No. 1,062,750; May 27; Gaz. vol. 190; p. 857.
- Injector. L. Kassander. No. 1,057,740; Apr. 1; Gaz. vol. 189; p. 117.
- Injector. M. Henderson. No. 1,059,669; Apr. 22; Gaz. vol. 189; p. 899.
- Injector. C. Pottel. No. 1,066,318; July 1; Gaz. vol. 192; p. 148.
- Injector. S. L. Kneass. No. 1,069,883; Aug. 12; Gaz. vol. 193; p. 304.
- Injector. J. W. Grantland. No. 1,073,602; Sept. 23; Gaz. vol. 194; p. 757.
- Injector. R. D. and J. C. Metcalfe. No. 1,076,220; Oct. 21; Gaz. vol. 195; p. 615.
- Injector-heater. H. E. Haskell. No. 1,066,271; July 1; Gaz. vol. 192; p. 131.
- Injector, Hot-water. T. H. White. No. 1,082,220; Dec. 23; Gaz. vol. 197; p. 880.
- Ink. C. A. Schmitt. No. 1,050,236; Jan. 14; Gaz. vol. 186; p. 344.
- Ink-distributing mechanism. E. J. F. Rea. No. 1,074,066; Sept. 23; Gaz. vol. 194; p. 916.
- Ink-fountain. C. H. Raymond. No. 1,052,621; Feb. 11; Gaz. vol. 187; p. 298.
- Ink-fountain. A. Charleston. No. 1,066,709; July 8; Gaz. vol. 192; p. 311.
- Ink-fountain. A. B. Carty. No. 1,076,482; Oct. 21; Gaz. vol. 195; p. 708.
- Ink-fountain-roller lifter. W. Eben and W. Caldwell. No. 1,081,664; Dec. 16; Gaz. vol. 197; p. 663.
- Ink-pad, Alternating. F. X. Knobel. No. 1,075,830; Oct. 14; Gaz. vol. 195; p. 454.
- Ink-receptacle. I. M. Waldron and M. Wilson. No. 1,058,818; Apr. 15; Gaz. vol. 189; p. 571.
- Ink-receptacles, Pneumatic attachment for. H. T. Emeis. No. 1,075,469; Oct. 14; Gaz. vol. 195; p. 332.
- Ink-roller-driving mechanism. G. P. Fenner. No. 1,052,047; Feb. 4; Gaz. vol. 187; p. 70.
- Ink-rollers, Mechanism for adjusting. G. P. Fenner. No. 1,057,136; Mar. 25; Gaz. vol. 188; p. 943.
- Ink-well. E. and W. Newby. No. 1,060,782; May 6; Gaz. vol. 190; p. 74.
- Ink-well. L. H. Allen. No. 1,061,155; May 6; Gaz. vol. 190; p. 203.
- Ink-well. J. A. Eddins. No. 1,068,992; July 29; Gaz. vol. 192; p. 1200.
- Ink-well. J. W. Jacobus. No. 1,069,786; Aug. 12; Gaz. vol. 193; p. 270.
- Ink-well, Safety. A. E. Wilde. No. 1,059,801; Apr. 22; Gaz. vol. 189; p. 943.
- Ink-wells, &c., Filler for. J. W. Jacobus. No. 1,061,748; May 13; Gaz. vol. 190; p. 443.
- Inking-gear, Adjustable. C. Martin. No. 1,074,883; Oct. 7; Gaz. vol. 195; p. 100.
- Inking-pads, Process of and means for making resilient. G. H. Rowley. No. 1,060,635; May 6; Gaz. vol. 190; p. 24.
- Inking-roller and making same. J. H. Hennessey. No. 1,079,339; Nov. 25; Gaz. vol. 196; p. 817.
- Inkstand. F. A. Weeks. No. 1,050,884; Jan. 21; Gaz. vol. 186; p. 603.
- Inkstand. F. A. Weeks. No. 1,063,630; June 3; Gaz. vol. 191; p. 159.
- Inkstand. E. Davis. No. 1,082,152; Dec. 23; Gaz. vol. 197; p. 856.
- Inkstand. J. W. Jacobus. No. 1,082,157; Dec. 23; Gaz. vol. 197; p. 858.
- Inkstand. F. M. Ashley. (Reissue.) No. 13,659; Dec. 23; Gaz. vol. 197; p. 969.
- Inseam-trimming machine. J. L. Dow. No. 1,049,462; Jan. 7; Gaz. vol. 186; p. 49.
- Inseam-trimming machine. H. A. Ballard. No. 1,062,756; May 27; Gaz. vol. 190; p. 859.
- Insect catcher and destroyer. E. P. Sutton. No. 1,055,240; Mar. 4; Gaz. vol. 188; p. 195.
- Insect-collecting machine. S. Hansen. No. 1,062,648; May 27; Gaz. vol. 190; p. 825.
- Insect-destroyer. W. T. Beyer. No. 1,059,024; Apr. 15; Gaz. vol. 189; p. 644.
- Insect-destroyer. W. F. Stearns. No. 1,065,742; June 24; Gaz. vol. 191; p. 978.
- Insect-destroyer. A. V. Cronk. No. 1,065,782; June 24; Gaz. vol. 191; p. 992.
- Insect-excluding attachment for buildings. D. A. Clark. No. 1,080,417; Dec. 2; Gaz. vol. 197; p. 177.
- Insect-exteriorator. E. R. Scott. No. 1,054,870; Mar. 4; Gaz. vol. 188; p. 75.
- Insect-exteriorator. L. P. Miller. No. 1,070,830; Aug. 19; Gaz. vol. 193; p. 667.
- Insect-exteriorator. F. Doney. No. 1,073,029; Sept. 9; Gaz. vol. 194; p. 499.
- Insect or worm destroyer. S. H. Martin. No. 1,068,685; July 29; Gaz. vol. 192; p. 1093.
- Insect-trap. J. Moss. No. 1,050,376; Jan. 14; Gaz. vol. 186; p. 394.
- Insect-trap. J. Reinhart. No. 1,056,214; Mar. 18; Gaz. vol. 188; p. 596.
- Insect-trap. J. A. Davis. No. 1,057,224; Mar. 25; Gaz. vol. 188; p. 973.
- Insect-trap. A. C. Dodard. No. 1,059,934; Apr. 22; Gaz. vol. 189; p. 985.
- Insect-trap. J. T. Chandler. No. 1,073,793; Sept. 23; Gaz. vol. 194; p. 824.
- Insect-trap. K. B. Cook. No. 1,074,837; Oct. 7; Gaz. vol. 195; p. 84.
- Insect-trap. W. H. Grasser. No. 1,079,170; Nov. 18; Gaz. vol. 196; p. 730.
- Insect-trap. C. H. Bath. No. 1,082,489; Dec. 30; Gaz. vol. 197; p. 1005.
- Insect-trap, Electrocuting. H. B. Clarke. No. 1,076,019; Oct. 21; Gaz. vol. 195; p. 547.
- Insects and their eggs, Destroying. J. W. Blosser. No. 1,061,443; May 13; Gaz. vol. 190; p. 336.
- Insects, Composition for the destruction of. J. Sorley. No. 1,057,678; Apr. 1; Gaz. vol. 189; p. 97.
- Insects, Producing a product for attracting. G. Maire. No. 1,059,888; Apr. 22; Gaz. vol. 189; p. 969.
- Insecticide. G. Anders. No. 1,063,313; June 3; Gaz. vol. 191; p. 48.
- Insecticide. C. Ellis. No. 1,082,507; Dec. 30; Gaz. vol. 197; p. 1012.
- Insecticide, sheep-dip, vermifuge, &c. I. S., I., and S. McDougall. No. 1,065,156; June 17; Gaz. vol. 191; p. 742.
- Inserting work parts. C. Sandoz-Moritz. No. 1,066,327; July 1; Gaz. vol. 192; p. 150.
- Insole. P. O. Poulson. No. 1,051,258; Jan. 21; Gaz. vol. 186; p. 730.
- Insole. G. Coleman. No. 1,062,536; May 20; Gaz. vol. 190; p. 744.
- Insole. C. V. Emmons. No. 1,065,035; June 17; Gaz. vol. 191; p. 702.
- Insole. J. Buckley. No. 1,075,188; Oct. 7; Gaz. vol. 195; p. 207.
- Insole-filling machine. W. A. Zickerman. No. 1,067,706; July 15; Gaz. vol. 192; p. 686.
- Insole, Flexible. J. J. Heys. No. 1,060,088; Apr. 29; Gaz. vol. 189; p. 1079.
- Insole-making. A. C. Oppenheimer. No. 1,077,634; Nov. 4; Gaz. vol. 196; p. 135.
- Insole-making machine. A. C. Oppenheimer. No. 1,079,019; Nov. 18; Gaz. vol. 196; p. 678.
- Insole-preparing machine. G. E. Rollins. No. 1,072,168; Sept. 2; Gaz. vol. 194; p. 171.
- Insoles, Trimming. E. L. Keyes. No. 1,076,432; Oct. 21; Gaz. vol. 195; p. 690.
- Inspirator. F. W. Severin. No. 1,065,971; July 1; Gaz. vol. 192; p. 24.
- Instep-arch support. J. W. Arrowsmith. No. 1,055,306; Mar. 11; Gaz. vol. 188; p. 255.
- Instep-arch support. M. Goodside. No. 1,078,276; Nov. 11; Gaz. vol. 196; p. 387.
- Instep-support. E. L. Shane. No. 1,072,878; Sept. 9; Gaz. vol. 194; p. 445.
- Instep-support. W. F. Connell. No. 1,077,871; Nov. 4; Gaz. vol. 196; p. 215.
- Instep-support. J. W. Arrowsmith. No. 1,079,736; Nov. 25; Gaz. vol. 196; p. 953.
- Instep-support. M. J. O'Rourke. No. 1,081,057; Dec. 9; Gaz. vol. 197; p. 424.
- Instrument, Compound. G. F. Hall. No. 1,068,124; July 22; Gaz. vol. 192; p. 859.
- Instrument-guard. H. H. La Vercombe. No. 1,065,054; June 17; Gaz. vol. 191; p. 708.
- Instrument-stand. S. Buegeleisen. No. 1,060,581; May 6; Gaz. vol. 190; p. 6.
- Insulated handles for vessels and utensils, Manufacture of. F. A. Antoni. No. 1,067,231; July 15; Gaz. vol. 192; p. 525.
- Insulating-bushing. C. H. Thordarson. (Reissue.) No. 13,529; Feb. 11; Gaz. vol. 187; p. 479.
- Insulating-coating on electrical conductors, Production of an. J. Loewenthal. No. 1,069,151; Aug. 5; Gaz. vol. 193; p. 21.
- Insulating compound. G. A. Jacobs. No. 1,066,499; July 8; Gaz. vol. 192; p. 237.

Alphabetical list of inventions—Continued.

- Insulating compound and making the same. G. F. Dreher. No. 1,064,893; June 17; Gaz. vol. 191; p. 656.
- Insulating electrical conductors. J. A. Heany. No. 1,071,676; Aug. 26; Gaz. vol. 193; p. 981.
- Insulating fabric, Making. G. F. Dreher. No. 1,076,874; Oct. 28; Gaz. vol. 195; p. 900.
- Insulating-joint. C. A. Kraus. No. 1,070,614; Aug. 19; Gaz. vol. 193; p. 595.
- Insulating material. E. W. Rice, Jr. No. 1,049,918; Jan. 7; Gaz. vol. 186; p. 203.
- Insulating means. L. Steinberger. No. 1,057,184; Mar. 25; Gaz. vol. 188; p. 959.
- Insulating means for railway ties and chairs. G. H. Shane. No. 1,082,826; Dec. 30; Gaz. vol. 197; p. 1125.
- Insulating-support for lamp-sockets and reactance-coils. H. W. Young. No. 1,050,196; Jan. 14; Gaz. vol. 186; p. 331.
- Insulating-tube machine. E. Haefely. No. 1,067,333; July 15; Gaz. vol. 192; p. 560.
- Insulation of slasher-cylinders. A. W. Thompson. No. 1,076,330; Oct. 21; Gaz. vol. 195; p. 653.
- Insulator. F. Schaub. No. 1,049,405; Jan. 7; Gaz. vol. 186; p. 30.
- Insulator. W. H. Kempton. (Reissue.) No. 13,526; Feb. 11; Gaz. vol. 187; p. 477.
- Insulator. H. A. De Long. No. 1,055,322; Mar. 11; Gaz. vol. 188; p. 260.
- Insulator. C. A. Barr and J. H. Koren. No. 1,056,392; Mar. 18; Gaz. vol. 188; p. 653.
- Insulator. B. G. Jamieson and C. A. Keller. No. 1,056,998; Mar. 25; Gaz. vol. 188; p. 895.
- Insulator. T. M. Platt. No. 1,059,629; Apr. 22; Gaz. vol. 189; p. 835.
- Insulator. J. E. Bicknell. No. 1,060,886; May 6; Gaz. vol. 190; p. 112.
- Insulator. H. R. Markel. No. 1,061,620; May 13; Gaz. vol. 190; p. 400.
- Insulator. M. E. Stockwell. No. 1,065,983; July 1; Gaz. vol. 192; p. 28.
- Insulator. O. J. Fisher. No. 1,066,395; July 1; Gaz. vol. 192; p. 172.
- Insulator. W. H. Martin. No. 1,070,151; Aug. 12; Gaz. vol. 193; p. 395.
- Insulator. B. Hetherington. No. 1,071,419; Aug. 26; Gaz. vol. 193; p. 897.
- Insulator. L. Steinberger. No. 1,072,523; Sept. 9; Gaz. vol. 194; p. 319.
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- Insulator. K. Bruchsalier. No. 1,080,257; Dec. 2; Gaz. vol. 197; p. 119.
- Insulator, Electric. J. D. Hilliard. No. 1,069,782; Aug. 12; Gaz. vol. 193; p. 268.
- Insulator for electrical conductors, Cross-over. F. Schaub. No. 1,056,711; Mar. 18; Gaz. vol. 188; p. 765.
- Insulator, High-potential. E. M. Hewlett. No. 1,077,711; Nov. 4; Gaz. vol. 196; p. 161.
- Insulator, High-tension connecting-. A. Bitter and E. Weissberg. No. 1,058,143; Apr. 8; Gaz. vol. 189; p. 301.
- Insulator, High-voltage. M. P. Maxwell. No. 1,075,217; Oct. 7; Gaz. vol. 195; p. 217.
- Insulator, High-voltage strain-. L. Steinberger. No. 1,054,148; Feb. 25; Gaz. vol. 187; p. 900.
- Insulator, High-voltage strain-. L. Steinberger. No. 1,054,469; Feb. 25; Gaz. vol. 187; p. 1010.
- Insulator, Line-. O. C. Meusebach. No. 1,078,368; Nov. 11; Gaz. vol. 196; p. 421.
- Insulator or support. A. J. Slonecker. No. 1,065,737; June 24; Gaz. vol. 191; p. 977.
- Insulator, Strain-. F. G. Woodlock. No. 1,069,057; July 29; Gaz. vol. 192; p. 1220.
- Insulator, Strain-. G. A. Mead and W. H. Kempton. No. 1,080,713; Dec. 9; Gaz. vol. 197; p. 306.
- Insulator, Suspension-. L. Steinberger. No. 1,072,525; Sept. 9; Gaz. vol. 194; p. 320.
- Insulator, Tubular. G. Simcoe. No. 1,072,999; Sept. 9; Gaz. vol. 194; p. 490.
- Insulator with fuse. K. Pettersen. No. 1,059,903; Apr. 22; Gaz. vol. 189; p. 974.
- Insulators, Means for attaching wires and cables to. H. Parra. No. 1,054,138; Feb. 25; Gaz. vol. 187; p. 896.
- Insulators, Wire-clamp for. J. H. Hubbard. No. 1,067,246; July 15; Gaz. vol. 192; p. 529.
- Integrator. L. Ott. No. 1,072,153; Sept. 2; Gaz. vol. 194; p. 166.
- Interfolding-machine. D. W. Hudson. No. 1,053,914; Feb. 18; Gaz. vol. 187; p. 783.
- Interleaving device. J. F. Jirousek and N. T. Plummer. No. 1,069,787; Aug. 12; Gaz. vol. 193; p. 270.
- Interlocking block. H. M. Francis. No. 1,077,466; Nov. 4; Gaz. vol. 196; p. 80.
- Interlocking device. C. Aalborg. No. 1,070,936; Aug. 19; Gaz. vol. 193; p. 701.
- Interlocking mechanism, Safety. P. L. Wormeley. No. 1,050,323; Jan. 14; Gaz. vol. 186; p. 375.
- Interlocking switch. A. J. La Rue. No. 1,051,422; Jan. 28; Gaz. vol. 186; p. 819.
- Internal-combustion and liquid-actuated engine. G. B. Dunbar. No. 1,068,634; July 29; Gaz. vol. 192; p. 1076.
- Internal-combustion engine. J. Sauer. No. 1,049,925; Jan. 7; Gaz. vol. 186; p. 205.
- Internal-combustion engine. C. E. Duryea. No. 1,050,012; Jan. 7; Gaz. vol. 186; p. 234.
- Internal-combustion engine. K. Steinbecker. No. 1,050,087; Jan. 7; Gaz. vol. 186; p. 261.
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- Internal-combustion engine. W. K. Thomas. No. 1,051,289; Jan. 21; Gaz. vol. 186; p. 741.
- Internal-combustion engine. W. M. Appleton. No. 1,051,537; Jan. 28; Gaz. vol. 186; p. 859.
- Internal-combustion engine. J. M. Colwell. No. 1,051,690; Jan. 28; Gaz. vol. 186; p. 910.
- Internal-combustion engine. L. E. Woodsend. No. 1,051,794; Jan. 28; Gaz. vol. 186; p. 942.
- Internal-combustion engine. J. I. Wood. No. 1,051,977; Feb. 4; Gaz. vol. 187; p. 45.
- Internal-combustion engine. A. M. Chase. No. 1,051,986; Feb. 4; Gaz. vol. 187; p. 47.
- Internal-combustion engine. W. B. Cowles. No. 1,053,013; Feb. 11; Gaz. vol. 187; p. 430.
- Internal-combustion engine. C. M. Billings. No. 1,053,700; Feb. 18; Gaz. vol. 187; p. 712.
- Internal-combustion engine. W. I. Twombly. No. 1,053,759; Feb. 18; Gaz. vol. 187; p. 732.
- Internal-combustion engine. L. Illmer, Jr., and E. J. Kunze. No. 1,054,204; Feb. 25; Gaz. vol. 187; p. 919.
- Internal-combustion engine. L. Illmer, Jr., and E. J. Kunze. No. 1,054,205; Feb. 25; Gaz. vol. 187; p. 920.
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- Internal-combustion engine. O. Lietzenmayer. No. 1,056,699; Mar. 18; Gaz. vol. 188; p. 761.
- Internal-combustion engine. H. Knudsen. No. 1,057,063; Mar. 25; Gaz. vol. 188; p. 917.
- Internal-combustion engine. L. Illmer, Jr. No. 1,057,837; Apr. 1; Gaz. vol. 189; p. 151.
- Internal-combustion engine. L. Illmer, Jr. No. 1,057,838; Apr. 1; Gaz. vol. 189; p. 152.
- Internal-combustion engine. C. W. Anderson. No. 1,058,026; Apr. 8; Gaz. vol. 189; p. 259.
- Internal-combustion engine. J. Loftus. No. 1,058,992; Apr. 15; Gaz. vol. 189; p. 632.
- Internal-combustion engine. W. J. Wright. No. 1,059,421; Apr. 22; Gaz. vol. 189; p. 816.
- Internal-combustion engine. F. L. Simonson. No. 1,059,576; Apr. 22; Gaz. vol. 189; p. 869.
- Internal-combustion engine. R. Esnault-Pelterie. No. 1,060,070; Apr. 29; Gaz. vol. 189; p. 1074.
- Internal-combustion engine. C. E. Sargent. No. 1,061,249; May 6; Gaz. vol. 190; p. 235.
- Internal-combustion engine. J. C. Pealer. No. 1,061,923; May 13; Gaz. vol. 190; p. 497.
- Internal-combustion engine. W. G. Thummel. No. 1,062,308; May 20; Gaz. vol. 190; p. 671.
- Internal-combustion engine. J. Munden. No. 1,062,494; May 20; Gaz. vol. 190; p. 732.
- Internal-combustion engine. W. I. Wheeler. No. 1,062,675; May 27; Gaz. vol. 190; p. 834.
- Internal-combustion engine. W. Harper, Jr. No. 1,063,440; June 3; Gaz. vol. 191; p. 91.
- Internal-combustion engine. J. B. Entz. No. 1,063,520; June 3; Gaz. vol. 191; p. 118.
- Internal-combustion engine. W. Harper, Jr. No. 1,063,538; June 3; Gaz. vol. 191; p. 124.
- Internal-combustion engine. A. F. Batchelder. No. 1,063,638; June 3; Gaz. vol. 191; p. 162.
- Internal-combustion engine. W. R. McKeen, Jr. No. 1,065,262; June 17; Gaz. vol. 191; p. 777.
- Internal-combustion engine. C. D. Miller. No. 1,065,461; June 24; Gaz. vol. 191; p. 883.
- Internal-combustion engine. J. I. Stevenson. No. 1,066,160; July 1; Gaz. vol. 192; p. 90.
- Internal-combustion engine. L. Gentzen. No. 1,066,401; July 1; Gaz. vol. 192; p. 173.
- Internal-combustion engine. K. Steinbecker. No. 1,066,672; July 8; Gaz. vol. 192; p. 297.
- Internal-combustion engine. A. Vogt. No. 1,066,768; July 8; Gaz. vol. 192; p. 332.
- Internal-combustion engine. A. M. Wolf. No. 1,067,090; July 8; Gaz. vol. 192; p. 438.
- Internal-combustion engine. S. Lake. No. 1,067,258; July 15; Gaz. vol. 192; p. 534.
- Internal-combustion engine. C. H. T. Alston and P. T. Houston. No. 1,068,379; July 22; Gaz. vol. 192; p. 949.
- Internal-combustion engine. C. R. Courtenay. No. 1,068,414; July 29; Gaz. vol. 192; p. 1000.
- Internal-combustion engine. C. M. Leech. No. 1,068,595; July 29; Gaz. vol. 192; p. 1062.

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- Internal-combustion engine. M. E. Knight. No. 1,068,781; July 29; Gaz. vol. 192; p. 1126.
- Internal-combustion engine. F. Joswich. No. 1,069,432; Aug. 5; Gaz. vol. 193; p. 121.
- Internal-combustion engine. M. H. Ames. No. 1,069,664; Aug. 12; Gaz. vol. 193; p. 227.
- Internal-combustion engine. A. A. Lazier. No. 1,069,794; Aug. 12; Gaz. vol. 193; p. 273.
- Internal-combustion engine. C. J. Frank. No. 1,069,936; Aug. 12; Gaz. vol. 193; p. 321.
- Internal-combustion engine. T. Reuter. No. 1,070,985; Aug. 19; Gaz. vol. 193; p. 716.
- Internal-combustion engine. J. Haug. No. 1,071,156; Aug. 26; Gaz. vol. 193; p. 808.
- Internal-combustion engine. P. Spranger. No. 1,071,967; Sept. 2; Gaz. vol. 194; p. 101.
- Internal-combustion engine. W. Russell. No. 1,072,777; Sept. 9; Gaz. vol. 194; p. 408.
- Internal-combustion engine. N. A. Christensen. No. 1,073,092; Sept. 16; Gaz. vol. 194; p. 558.
- Internal-combustion engine. E. T. Young. No. 1,073,553; Sept. 16; Gaz. vol. 194; p. 718.
- Internal-combustion engine. P. S. Smith. No. 1,073,640; Sept. 23; Gaz. vol. 194; p. 770.
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- Internal-combustion engine. L. O. Martin. No. 1,073,770; Sept. 23; Gaz. vol. 194; p. 818.
- Internal-combustion engine. L. A. Marcotte. No. 1,074,635; Oct. 7; Gaz. vol. 195; p. 16.
- Internal-combustion engine. N. B. Simpson. No. 1,075,163; Oct. 7; Gaz. vol. 195; p. 197.
- Internal-combustion engine. R. C. Rose. No. 1,075,383; Oct. 14; Gaz. vol. 195; p. 303.
- Internal-combustion engine. F. O. Kilgore. No. 1,075,578; Oct. 14; Gaz. vol. 195; p. 369.
- Internal-combustion engine. H. A. Knox. No. 1,075,580; Oct. 14; Gaz. vol. 195; p. 370.
- Internal-combustion engine. A. F. von Schmidt. No. 1,075,603; Oct. 14; Gaz. vol. 195; p. 378.
- Internal-combustion engine. W. J. Wright. No. 1,076,090; Oct. 21; Gaz. vol. 195; p. 571.
- Internal-combustion engine. C. F. Lembke. No. 1,076,380; Oct. 21; Gaz. vol. 195; p. 671.
- Internal-combustion engine. H. Lemp. No. 1,076,589; Oct. 21; Gaz. vol. 195; p. 746.
- Internal-combustion engine. L. Wygodsky. No. 1,076,619; Oct. 21; Gaz. vol. 195; p. 757.
- Internal-combustion engine. O. A. Anderson. No. 1,076,807; Oct. 28; Gaz. vol. 195; p. 876.
- Internal-combustion engine. W. J. Wright. No. 1,076,854; Oct. 28; Gaz. vol. 195; p. 892.
- Internal-combustion engine. G. R. Rich. No. 1,076,911; Oct. 28; Gaz. vol. 195; p. 913.
- Internal-combustion engine. F. S. Claus. No. 1,076,953; Oct. 28; Gaz. vol. 195; p. 928.
- Internal-combustion engine. E. G. Bogusch. No. 1,077,033; Oct. 28; Gaz. vol. 195; p. 956.
- Internal-combustion engine. H. McCornack. No. 1,077,150; Oct. 28; Gaz. vol. 195; p. 991.
- Internal-combustion engine. D. Roberts, J. W. Young, and C. James. No. 1,077,161; Oct. 28; Gaz. vol. 195; p. 995.
- Internal-combustion engine. J. Willoughby. No. 1,077,381; Nov. 4; Gaz. vol. 196; p. 49.
- Internal-combustion engine. H. L. Brownback. No. 1,077,793; Nov. 4; Gaz. vol. 196; p. 189.
- Internal-combustion engine. C. H. Fox. No. 1,077,956; Nov. 4; Gaz. vol. 196; p. 246.
- Internal-combustion engine. J. J. McLean. No. 1,077,992; Nov. 11; Gaz. vol. 196; p. 289.
- Internal-combustion engine. A. V. Waldo. No. 1,078,392; Nov. 11; Gaz. vol. 196; p. 430.
- Internal-combustion engine. E. J. Hall. No. 1,078,919; Nov. 18; Gaz. vol. 196; p. 641.
- Internal-combustion engine. F. B. Bremerman. No. 1,078,991; Nov. 18; Gaz. vol. 196; p. 666.
- Internal-combustion engine. W. R. McKeen, Jr. No. 1,079,255; Nov. 18; Gaz. vol. 196; p. 756.
- Internal-combustion engine. N. C. Ward. No. 1,079,307; Nov. 18; Gaz. vol. 196; p. 773.
- Internal-combustion engine. J. McKechnie. No. 1,079,422; Nov. 25; Gaz. vol. 196; p. 844.
- Internal-combustion engine. A. C. Peterson. No. 1,079,578; Nov. 25; Gaz. vol. 196; p. 899.
- Internal-combustion engine. J. Willoughby. No. 1,079,622; Nov. 25; Gaz. vol. 196; p. 914.
- Internal-combustion engine. F. D. Calkins and A. C. Johnson. No. 1,079,741; Nov. 25; Gaz. vol. 196; p. 955.
- Internal-combustion engine. F. D. Calkins and A. C. Johnson. No. 1,079,742; Nov. 25; Gaz. vol. 196; p. 956.
- Internal-combustion engine. D. E. Pratt. No. 1,080,123; Dec. 2; Gaz. vol. 197; p. 72.
- Internal-combustion engine. A. M. Bach. No. 1,080,800; Dec. 9; Gaz. vol. 197; p. 339.
- Internal-combustion engine. W. C. Carter. No. 1,081,432; Dec. 16; Gaz. vol. 197; p. 588.
- Internal-combustion engine. C. De Lukacsevics. No. 1,081,816; Dec. 16; Gaz. vol. 197; p. 716.
- Internal-combustion engine. H. W. Bolens. No. 1,081,946; Dec. 23; Gaz. vol. 197; p. 786.
- Internal-combustion engine. M. W. Quiggle. No. 1,082,138; Dec. 23; Gaz. vol. 197; p. 852.
- Internal-combustion engine. J. Kerner. No. 1,082,341; Dec. 23; Gaz. vol. 197; p. 925.
- Internal-combustion engine. L. F. Secord and B. Orr. No. 1,082,656; Dec. 30; Gaz. vol. 197; p. 1064.
- Internal-combustion engine. A. F. Collins, A. Kerr, and A. E. Russell. No. 1,082,932; Dec. 30; Gaz. vol. 197; p. 1161.
- Internal-combustion engine, Multicylinder. H. Lentz. No. 1,074,055; Sept. 23; Gaz. vol. 194; p. 912.
- Internal-combustion engine, Reversible two-cycle. H. T. Bruns. No. 1,071,392; Aug. 26; Gaz. vol. 193; p. 889.
- Internal-combustion engine, Revolving-cylinder. A. H. Baird and W. J. Turner. No. 1,068,297; July 22; Gaz. vol. 192; p. 921.
- Internal-combustion-engine tool. J. A. Heany. No. 1,076,283; Oct. 21; Gaz. vol. 195; p. 637.
- Internal-combustion engine, Two-stroke-cycle. P. Huntington. No. 1,065,250; June 17; Gaz. vol. 191; p. 773.
- Internal-combustion engine, Water-cooled. K. J. E. Hesselman. No. 1,072,946; Sept. 9; Gaz. vol. 194; p. 471.
- Internal-combustion motor. J. F. Cullen. No. 1,077,811; Nov. 4; Gaz. vol. 196; p. 195.
- Internal-combustion percussive engine. L. L. Scott. No. 1,058,268; Apr. 8; Gaz. vol. 189; p. 344.
- Internal-combustion propulsion apparatus. R. Diesel. No. 1,080,625; Dec. 9; Gaz. vol. 197; p. 277.
- Internal-combustion turbine-engine. W. L. Wheeler. No. 1,059,509; Apr. 22; Gaz. vol. 189; p. 847.
- Interrupter. L. J. Flint. No. 1,062,090; May 20; Gaz. vol. 190; p. 597.
- Intestine-protector. R. E. L. Miller. No. 1,060,350; Apr. 29; Gaz. vol. 189; p. 1172.
- Invalid-carrier. C. E. Demeree. No. 1,050,814; Jan. 21; Gaz. vol. 186; p. 577.
- Invalid-elevator. H. Foss. No. 1,078,090; Nov. 11; Gaz. vol. 196; p. 323.
- Invalid-handling apparatus. J. A. Pitts and J. P. Boorman. No. 1,080,297; Dec. 2; Gaz. vol. 197; p. 132.
- Invalid lifter and carrier. W. A. Allen. No. 1,061,715; May 13; Gaz. vol. 190; p. 433.
- Invalid-support. E. S. Hunt. No. 1,068,055; July 22; Gaz. vol. 192; p. 837.
- Invalids or the like, Apparatus for handling. A. Skeffington. No. 1,082,177; Dec. 23; Gaz. vol. 197; p. 865.
- Invoice-register. C. L. Peters. No. 1,065,624; June 24; Gaz. vol. 191; p. 938.
- Iodin, chlorin, potassium hydroxid, &c., from the ash of seaweeds, &c., Extracting. F. K. Cameron and R. B. Moore. No. 1,051,984; Feb. 4; Gaz. vol. 187; p. 47.
- Iron: See Awning-iron; Carry-iron; Chafe-iron; Creasing-iron; Curling-iron; Draw-bar carry-iron; Flat-iron; Gas-iron; Gas-heated iron; Heating-iron; Laundry-iron; Roller-iron; Sad-iron; Smoothing or laundry iron; Soldering-iron; Vehicle rub-iron.
- Iron. J. R. Ricketts. No. 1,073,440; Sept. 16; Gaz. vol. 194; p. 681.
- Iron. H. Lindstrom. No. 1,080,016; Dec. 2; Gaz. vol. 197; p. 33.
- Iron and steel by means of ferrochromium alloy, Refining. J. Büchel. No. 1,071,873; Sept. 2; Gaz. vol. 194; p. 70.
- Iron and steel, Changing the composition of. B. Ford. No. 1,062,388; May 20; Gaz. vol. 190; p. 698.
- Iron and steel, Improving the quality of malleable. O. Thallner. No. 1,053,454; Feb. 18; Gaz. vol. 187; p. 627.
- Iron and steel, Making. J. R. Billings. No. 1,073,587; Sept. 23; Gaz. vol. 194; p. 752.
- Iron and steel to form a permanent black finish thereon, Treatment of. W. R. Swan. No. 1,079,453; Nov. 25; Gaz. vol. 196; p. 854.
- Iron, blast-furnace, flue-dust, Utilizing. R. Baggaley. No. 1,081,921; Dec. 16; Gaz. vol. 197; p. 749.
- Iron direct from ore, Production of malleable. A. R. Lindblad. No. 1,058,991; Apr. 15; Gaz. vol. 189; p. 632.
- Iron for rail-connecting. G. W. Slade. No. 1,058,477; Apr. 8; Gaz. vol. 189; p. 416.
- Iron from rust, Protecting. A. Lang. No. 1,082,161; Dec. 23; Gaz. vol. 197; p. 859.
- Iron from steel-scrap, Making pig. H. W. Lash. No. 1,061,189; May 6; Gaz. vol. 190; p. 214.
- Iron, Making a material having the general properties of wrought. B. C. Lauth. No. 1,067,528; July 15; Gaz. vol. 192; p. 626.
- Iron, Making a material having the general properties of wrought. B. C. Lauth. No. 1,067,529; July 15; Gaz. vol. 192; p. 626.
- Iron or steel for preventing oxidation or rusting, Treatment of. F. R. G. Richards. No. 1,069,903; Aug. 12; Gaz. vol. 193; p. 311.

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- Iron ore, Producing metallic products from. H. L. Hartenstein. No. 1,050,736; Jan. 14; Gaz. vol. 186; p. 515.
- Iron, steel, and steel alloys, Case-hardening articles of. F. Giolitti. No. 1,074,114; Sept. 30; Gaz. vol. 194; p. 961.
- Iron, steel, or the like, Rust-proofing. A. Bontempi. No. 1,072,904; Sept. 9; Gaz. vol. 194; p. 455.
- Iron surfaces from corrosion, Protecting. S. O. Cowper-Coles. No. 1,072,091; Sept. 2; Gaz. vol. 194; p. 144.
- Iron, Treating. J. Kirby. No. 1,079,129; Nov. 18; Gaz. vol. 196; p. 715.
- Ironer for collars and cuffs, Automatic edge. L. R. Heim. No. 1,064,644; June 10; Gaz. vol. 191; p. 538.
- Ironing apparatus, Collar-. J. T. Truitt. No. 1,069,988; Aug. 12; Gaz. vol. 193; p. 338.
- Ironing, Apparatus for straightening flat or other goods before. R. Gardner. No. 1,064,069; June 10; Gaz. vol. 191; p. 342.
- Ironing apparatus, Garment-. H. B. Ferguson. No. 1,078,269; Nov. 11; Gaz. vol. 196; p. 384.
- Ironing-board. C. D. Evans. No. 1,053,285; Feb. 18; Gaz. vol. 187; p. 570.
- Ironing-board. W. D. Neils. No. 1,056,204; Mar. 18; Gaz. vol. 188; p. 592.
- Ironing-board. E. A. Thibault. No. 1,059,087; Apr. 15; Gaz. vol. 189; p. 665.
- Ironing-board. E. L. Gillespie. No. 1,059,144; Apr. 15; Gaz. vol. 189; p. 685.
- Ironing-board. F. G. Hoffine. No. 1,063,685; June 3; Gaz. vol. 191; p. 180.
- Ironing-board. L. F. Mack. No. 1,066,931; July 8; Gaz. vol. 192; p. 387.
- Ironing-board. S. A. Koons. No. 1,067,350; July 15; Gaz. vol. 192; p. 566.
- Ironing-board. P. J. Murphy. No. 1,067,833; July 22; Gaz. vol. 192; p. 762.
- Ironing-board. C. Danielson. No. 1,073,404; Sept. 16; Gaz. vol. 194; p. 669.
- Ironing-board. W. J. Nelson. No. 1,073,814; Sept. 23; Gaz. vol. 194; p. 831.
- Ironing-board. G. G. Griffith. No. 1,074,049; Sept. 23; Gaz. vol. 194; p. 910.
- Ironing-board. G. C. Carr. No. 1,082,403; Dec. 23; Gaz. vol. 197; p. 945.
- Ironing-board and clothes-horse, Combined. N. McDevitt. No. 1,057,650; Apr. 1; Gaz. vol. 189; p. 86.
- Ironing-board and stand. A. G. L. Schwartz. No. 1,083,146; Dec. 30; Gaz. vol. 197; p. 1230.
- Ironing-board and step-ladder, Combination. E. C. Francis. No. 1,051,950; Feb. 4; Gaz. vol. 187; p. 36.
- Ironing-board and step-ladder, Combination. M. W. Smith. No. 1,058,202; Apr. 8; Gaz. vol. 189; p. 322.
- Ironing-board and step-ladder, Combined. I. S. Gipe. No. 1,061,834; May 13; Gaz. vol. 190; p. 468.
- Ironing-board attachment. E. F. Frey. No. 1,070,595; Aug. 19; Gaz. vol. 193; p. 590.
- Ironing-board attachment for kitchen-tables. M. J. E. Hartmann. No. 1,064,728; June 17; Gaz. vol. 191; p. 604.
- Ironing-board, Cabinet. M. C. Walter. No. 1,074,226; Sept. 30; Gaz. vol. 194; p. 999.
- Ironing-board-cover holder. E. J. Appleton. No. 1,052,028; Feb. 4; Gaz. vol. 187; p. 64.
- Ironing-board covers and the like, Fastening for. E. D. Gordon. No. 1,070,797; Aug. 19; Gaz. vol. 193; p. 657.
- Ironing-board support. G. W. Carver. No. 1,056,258; Mar. 18; Gaz. vol. 188; p. 611.
- Ironing device. N. Oros. No. 1,075,788; Oct. 14; Gaz. vol. 195; p. 439.
- Ironing device. D. J. Feely. No. 1,079,168; Nov. 18; Gaz. vol. 196; p. 729.
- Ironing-machine. E. E. Norton and A. U. Langenegger. (Reissue.) No. 1,351,13; Jan. 14; Gaz. vol. 186; p. 534.
- Ironing-machine. C. G. J. Simon. No. 1,054,721; Mar. 4; Gaz. vol. 188; p. 22.
- Ironing-machine. E. E. Norton and A. U. Langenegger. No. 1,061,109; May 6; Gaz. vol. 190; p. 189.
- Ironing-machine. S. Moe. No. 1,063,573; June 3; Gaz. vol. 191; p. 137.
- Ironing-machine. B. Bernard. No. 1,066,177; July 1; Gaz. vol. 192; p. 97.
- Ironing-machine. F. E. Warner. No. 1,078,394; Nov. 11; Gaz. vol. 196; p. 431.
- Ironing-machine. R. E. Dodge. No. 1,081,027; Dec. 9; Gaz. vol. 197; p. 415.
- Ironing-machine. W. H. Olver. No. 1,082,548; Dec. 30; Gaz. vol. 197; p. 1026.
- Ironing-machine. J. H. Ullman. No. 1,083,038; Dec. 30; Gaz. vol. 197; p. 1196.
- Ironing machine, Collar-. A. Ferguson, Jr. No. 1,049,470; Jan. 7; Gaz. vol. 186; p. 51.
- Ironing-machine guide device. M. J. Terry. No. 1,058,494; Apr. 8; Gaz. vol. 189; p. 422.
- Ironing-pad. C. E. Hamilton. No. 1,054,407; Feb. 25; Gaz. vol. 187; p. 989.
- Ironing rug-seams, Machine for. C. W. Masland. No. 1,051,608; Jan. 28; Gaz. vol. 186; p. 883.
- Ironing-table. J. Daoust. No. 1,050,920; Jan. 21; Gaz. vol. 186; p. 617.
- Ironing-table. R. G. Marvin. No. 1,055,200; Mar. 4; Gaz. vol. 188; p. 183.
- Ironing-table. J. H. D. Everett. No. 1,058,167; Apr. 8; Gaz. vol. 189; p. 309.
- Ironing-table. C. M. Lasley. No. 1,060,194; Apr. 29; Gaz. vol. 189; p. 1116.
- Ironing-table. W. J. Kennedy. No. 1,060,459; Apr. 29; Gaz. vol. 189; p. 1210.
- Ironing-table. C. Giblin. No. 1,061,833; May 13; Gaz. vol. 190; p. 467.
- Ironing-table. P. P. Harter. No. 1,063,442; June 3; Gaz. vol. 191; p. 91.
- Ironing-table. A. T. Goldfield. No. 1,066,105; July 1; Gaz. vol. 192; p. 71.
- Ironing-table. F. A. Mentgen. No. 1,071,774; Sept. 2; Gaz. vol. 194; p. 37.
- Ironing-table. G. E. Shorter. No. 1,071,961; Sept. 2; Gaz. vol. 194; p. 99.
- Ironing-table. H. M. Walker. No. 1,072,884; Sept. 9; Gaz. vol. 194; p. 447.
- Ironing-table. G. C. Henne. No. 1,073,122; Sept. 16; Gaz. vol. 194; p. 568.
- Ironing-table. G. Donges. No. 1,074,778. Oct. 7; Gaz. vol. 195; p. 67.
- Ironing-table. J. H. Scott. No. 1,078,882; Nov. 18; Gaz. vol. 196; p. 629.
- Ironing-table. W. Hosey. No. 1,079,490; Nov. 25; Gaz. vol. 196; p. 867.
- Ironing-table. L. R. Brewer. No. 1,080,950; Dec. 9; Gaz. vol. 197; p. 390.
- Ironing-table, Tailor's and laundry. J. C. Ostern. No. 1,074,328; Sept. 30; Gaz. vol. 194; p. 1032.
- Irrespirable atmospheres or under water, Apparatus for use by persons working in. A. T. Winborn. No. 1,077,181; Oct. 28; Gaz. vol. 195; p. 1001.
- Irrigating and ditching machine, Reversible. S. C. Hanna. No. 1,076,633; Oct. 21; Gaz. vol. 195; p. 763.
- Irrigating apparatus. L. B. Harris. No. 1,058,582; Apr. 8; Gaz. vol. 189; p. 451.
- Irrigating apparatus. G. S. Williamson. No. 1,079,817; Nov. 25; Gaz. vol. 196; p. 983.
- Irrigating-dam. P. C. Baker. No. 1,080,944; Dec. 9; Gaz. vol. 197; p. 388.
- Irrigating-ditches, Check-box for. H. W. Stone. No. 1,070,302; Aug. 12; Gaz. vol. 193; p. 448.
- Irrigating implement, Subsoil-. J. A. La Rue. No. 1,062,169; May 20; Gaz. vol. 190; p. 623.
- Irrigating system. P. E. Erickson. No. 1,077,132; Oct. 28; Gaz. vol. 195; p. 986.
- Irrigating-tile. J. A. Wilson. No. 1,070,760; Aug. 19; Gaz. vol. 193; p. 645.
- Irrigating, Universal regulator for. G. R. Proctor. No. 1,054,986; Mar. 4; Gaz. vol. 188; p. 113.
- Irrigation-box. N. E. Austin. No. 1,052,121; Feb. 4; Gaz. vol. 187; p. 96.
- Irrigation-pipe. F. G. McCabe. No. 1,051,507; Jan. 28; Gaz. vol. 186; p. 849.
- Irrigation plant. J. L. Pritchard. No. 1,058,464; Apr. 8; Gaz. vol. 189; p. 412.
- Irrigation system. W. G. Bloss. No. 1,077,869; Nov. 4; Gaz. vol. 196; p. 215.
- Irrigation system, Elevated. Y. R. Anderson. No. 1,073,834; Sept. 23; Gaz. vol. 194; p. 838.
- Irrigator. E. Spardel. No. 1,082,142; Dec. 23; Gaz. vol. 197; p. 853.
- Irrigator and sprinkler. A. E. Richardson. No. 1,077,431; Nov. 4; Gaz. vol. 196; p. 67.
- Isoprene, Manufacture and production of. G. Merling and H. Köhler. No. 1,056,817; Mar. 25; Gaz. vol. 188; p. 831.
- Isoprene, Preparing. R. B. Earle. No. 1,050,354; Jan. 14; Gaz. vol. 186; p. 386.
- Isoprene, Producing. G. Merling and H. Köhler. No. 1,056,815; Mar. 25; Gaz. vol. 188; p. 831.
- Isoprene, Producing. H. A. F. Staudinger. No. 1,065,182; June 17; Gaz. vol. 191; p. 749.
- Isoprene, Producing. R. B. Earle and L. F. Kyriakides. No. 1,070,120; Aug. 12; Gaz. vol. 193; p. 384.
- Isoprene, Producing. F. Webel. No. 1,083,164; Dec. 30; Gaz. vol. 197; p. 1235.
- Isoprene, Producing. F. Webel. No. 1,083,165; Dec. 30; Gaz. vol. 197; p. 1235.
- Isoprene, Production of. K. Stephan. No. 1,057,680; Apr. 1; Gaz. vol. 189; p. 97.
- Jack: See Auto-jack; Automatic jack; Automobile-jack; Beef-jack; Boot and shoe jack; Compressed-air jack; Floor-jack; Fly-wheel jack; Hydraulic jack; Journal-jack; Leveling-machine jack; Lifting-jack; Logging-jack; Lumber-jack; Machine-jack; Pressing-jack; Pulling-jack; Radius-jack; Roof-jack; Scaffold-jack; Screw-jack; Shoe-jack; Shoe-machinery jack; Shoemaker's jack; Smoke-jack; Spike-pulling jack; Track-jack; Vehicle-jack; Wagon-jack.
- Jack. C. V. Fowler. No. 1,049,691; Jan. 7; Gaz. vol. 186; p. 127.
- Jack. J. D. Bunn. No. 1,064,191; June 10; Gaz. vol. 191; p. 385.

Alphabetical list of inventions—Continued.

- Jack. F. A. Windus. No. 1,065,196; June 17; Gaz. vol. 191; p. 754.
- Jack. W. J. Page. No. 1,079,316; Nov. 18; Gaz. vol. 196; p. 777.
- Jack and thill-support, Combined. G. Adams. No. 1,081,008; Dec. 9; Gaz. vol. 197; p. 409.
- Jack and wrench, Combined. R. H. Gregory. No. 1,078,850; Nov. 18; Gaz. vol. 196; p. 618.
- Jack for power-operated shovels. G. T. Kleven. No. 1,067,038; July 8; Gaz. vol. 192; p. 421.
- Jack-spool. J. C. Hebden. No. 1,062,005; May 20; Gaz. vol. 190; p. 567.
- Jacquard connection. W. R. Scott. No. 1,076,524; Oct. 21; Gaz. vol. 195; p. 722.
- Jacquard connection for weaving mechanisms. W. R. Scott. No. 1,076,523; Oct. 21; Gaz. vol. 195; p. 722.
- Jacquard-machine. T. M. Morrow. No. 1,055,068; Mar. 4; Gaz. vol. 188; p. 142.
- Jacquard mechanism. J. A. Groebli. No. 1,073,343; Sept. 16; Gaz. vol. 194; p. 647.
- Jail. D. F. Youngblood. No. 1,065,422; June 24; Gaz. vol. 191; p. 870.
- Jail-front-protecting device. F. Adam. No. 1,065,891; June 24; Gaz. vol. 191; p. 1029.
- Jamb-lock. I. A. and J. N. Palmer. No. 1,065,965; July 1; Gaz. vol. 192; p. 22.
- Jar. See Battery-jar; Drill-jar; Fruit-jar; Glass jar; Honey-jar; Sealed jar.
- Jar-cap. E. D. Schmitt. No. 1,075,125; Oct. 7; Gaz. vol. 195; p. 184.
- Jar-closure. R. E. Meyer. No. 1,054,231; Feb. 25; Gaz. vol. 187; p. 930.
- Jar-closure. L. R. N. Carvalho. No. 1,066,078; July 1; Gaz. vol. 192; p. 62.
- Jar-closure. A. Richards. No. 1,067,758; July 15; Gaz. vol. 192; p. 703.
- Jar-closure. U. Magni. No. 1,077,538; Nov. 4; Gaz. vol. 196; p. 105.
- Jar cover, Dispensing-. E. T. Langan. No. 1,079,942; Dec. 2; Gaz. vol. 197; p. 7.
- Jar-holder. R. A. Wetzel. No. 1,060,048; Apr. 29; Gaz. vol. 189; p. 1067.
- Jar holder, Fruit-. G. H. Maas. No. 1,069,710; Aug. 12; Gaz. vol. 193; p. 243.
- Jar holder, Milk-. P. W. Winkelmann. No. 1,058,126; Apr. 8; Gaz. vol. 189; p. 295.
- Jar or bottle closure. A. H. Emery. No. 1,049,831; Jan. 7; Gaz. vol. 186; p. 174.
- Jar or bottle closure. A. H. Emery. No. 1,055,992; Mar. 11; Gaz. vol. 188; p. 486.
- Jars and the like, Closure for milk-. A. E. Ayer. No. 1,082,989; Dec. 30; Gaz. vol. 197; p. 1181.
- Jars, glasses, and cans, Top-lifter for. B. Garbell. No. 1,053,092; Feb. 11; Gaz. vol. 187; p. 459.
- Jarring-machine. R. F. Ringle. No. 1,054,315; Feb. 25; Gaz. vol. 187; p. 956.
- Jaw-brace. A. R. De Pass. No. 1,081,296; Dec. 16; Gaz. vol. 197; p. 542.
- Jaw-slide. W. K. Jacobs. No. 1,064,145; June 10; Gaz. vol. 191; p. 369.
- Jetting attachment. A. N. Ketterer. No. 1,066,285; July 1; Gaz. vol. 192; p. 136.
- Jewel-mounting. W. Godber. No. 1,049,354; Jan. 7; Gaz. vol. 186; p. 12.
- Jewel-setting tool. L. A. Fitzpatrick. No. 1,067,104; July 8; Gaz. vol. 192; p. 443.
- Jewelry. A. Spaney and J. W. Mayer. No. 1,062,804; May 27; Gaz. vol. 190; p. 875.
- Jewelry. H. H. Eichbaum. No. 1,065,928; July 1; Gaz. vol. 192; p. 8.
- Jewelry. A. W. Henning. No. 1,069,254; Aug. 5; Gaz. vol. 193; p. 59.
- Jewelry. F. B. Weiss. No. 1,074,673; Oct. 7; Gaz. vol. 195; p. 30.
- Jewelry. A. Segman. No. 1,075,673; Oct. 14; Gaz. vol. 195; p. 401.
- Jewelry-box pad. J. R. Sundee. No. 1,064,108; June 10; Gaz. vol. 191; p. 356.
- Jewelry-catch. D. Elliott. No. 1,070,431; Aug. 19; Gaz. vol. 193; p. 533.
- Jewelry, Chain. J. J. Sommer. No. 1,065,006; June 17; Gaz. vol. 191; p. 693.
- Jewelry, Means for drying articles of. A. W. Hutchins. No. 1,075,476; Oct. 14; Gaz. vol. 195; p. 334.
- Jewelry safety-catch. L. E. Ladd. No. 1,054,848; Mar. 4; Gaz. vol. 188; p. 68.
- Jewelry safety-catch. F. W. Priester and P. Schoellner. No. 1,059,633; Apr. 22; Gaz. vol. 189; p. 886.
- Jewelry safety-catch. W. Durand. No. 1,071,217; Aug. 26; Gaz. vol. 193; p. 831.
- Jewelry-setting. I. R. Hexter. No. 1,056,414; Mar. 18; Gaz. vol. 188; p. 661.
- Jig. H. P. Altman. No. 1,061,581; May 13; Gaz. vol. 190; p. 387.
- Jig-roll. J. Macadam. No. 1,053,517; Feb. 18; Gaz. vol. 187; p. 649.
- Jock-strap. A. Quenzer. No. 1,063,062; May 27; Gaz. vol. 190; p. 960.
- Jogger. A. J. Bates. No. 1,069,656; Aug. 5; Gaz. vol. 193; p. 194.
- Joint. See Ankle-joint; Ball-joint; Ball-and-socket joint; Bed-rail joint; Bedstead-joint; Bracelet-joint; Connecting-joint; Dovetail joint; Electrical-conduit joint; Expansion-joint; Flexible joint; Flume-joint; Hinge-joint; Hollow joint; Insulating-joint; Knee-joint; Knuckle-joint; Metallic joint; Metallic structural joint; Packing-joint; Piling-joint; Pin-joint; Pipe-joint; Rail-joint; Railway-joint; Railway-rail joint; Roof-joint; Screw-joint; Slide-joint; Stovepipe-joint; Universal joint; Wind-shield lock-joint.
- Joint. A. W. Heinle. No. 1,054,843; Mar. 4; Gaz. vol. 188; p. 66.
- Joint. R. Tattu. No. 1,055,100; Mar. 4; Gaz. vol. 188; p. 152.
- Joint. J. Matkovicik. No. 1,065,701; June 24; Gaz. vol. 191; p. 965.
- Joint. C. A. Kraus. No. 1,066,290; July 1; Gaz. vol. 192; p. 138.
- Joint. W. L. Evans, Jr. No. 1,069,538; Aug. 5; Gaz. vol. 193; p. 155.
- Joint. P. H. McDonough. No. 1,071,330; Aug. 26; Gaz. vol. 193; p. 867.
- Joint-chair. J. M. Maclean. No. 1,051,604; Jan. 28; Gaz. vol. 186; p. 882.
- Joint-chair. J. L. Sparling. No. 1,064,559; June 10; Gaz. vol. 191; p. 509.
- Joint-chair. M. McHale. No. 1,064,844; June 17; Gaz. vol. 191; p. 641.
- Joint clamp, Ground-. J. C. Vogel. No. 1,053,684; Feb. 18; Gaz. vol. 187; p. 706.
- Joint-filling machine. T. Fitzgerald. No. 1,052,578; Feb. 11; Gaz. vol. 187; p. 282.
- Joint for wooden columns, conduits, and the like. S. F. Wyckoff. No. 1,070,572; Aug. 19; Gaz. vol. 193; p. 583.
- Joints of the hands, Apparatus for promoting the flexibility of the. H. Ostrovsky. No. 1,061,003; May 6; Gaz. vol. 190; p. 154.
- Joints together, Device to hold. J. V. Byers. No. 1,059,592; Apr. 22; Gaz. vol. 189; p. 874.
- Joining device. W. H. Greenleaf, Jr., and P. P. Moore. No. 1,062,456; May 20; Gaz. vol. 190; p. 719.
- Jolt ramming apparatus. E. H. Mumford. No. 1,052,086; Feb. 4; Gaz. vol. 187; p. 84.
- Journal-bearing. C. E. Ballard and E. F. Schumacher. No. 1,049,439; Jan. 7; Gaz. vol. 186; p. 41.
- Journal-bearing. L. McKay. No. 1,052,360; Feb. 4; Gaz. vol. 187; p. 175.
- Journal-bearing. E. D. Ekstedt. No. 1,054,189; Feb. 25; Gaz. vol. 187; p. 915.
- Journal-bearing. H. Hess. No. 1,062,649; May 27; Gaz. vol. 190; p. 826.
- Journal-bearing. P. A. Solem. No. 1,067,382; July 15; Gaz. vol. 192; p. 576.
- Journal-bearing. J. R. Fleming. No. 1,075,204; Oct. 7; Gaz. vol. 195; p. 212.
- Journal-bearing, Railway-car. S. H. Campbell. No. 1,056,256; Mar. 18; Gaz. vol. 188; p. 611.
- Journal-box. L. G. Woods. No. 1,052,546; Feb. 11; Gaz. vol. 187; p. 272.
- Journal-box. L. K. Smith. (Reissue.) No. 13,545; Mar. 11; Gaz. vol. 188; p. 488.
- Journal-box. W. C. Fickling. No. 1,057,229; Mar. 25; Gaz. vol. 188; p. 975.
- Journal-box. J. W. Stephenson and L. B. Wilson. No. 1,061,507; May 13; Gaz. vol. 190; p. 359.
- Journal-box. G. A. Woodman. No. 1,062,680; May 27; Gaz. vol. 190; p. 835.
- Journal-box. E. R. Grove. No. 1,065,355; June 24; Gaz. vol. 191; p. 846.
- Journal-box. F. H. Stark. No. 1,067,153; July 8; Gaz. vol. 192; p. 462.
- Journal-box. A. Austin. No. 1,070,317; Aug. 12; Gaz. vol. 193; p. 453.
- Journal-box. P. Brown. No. 1,071,872; Sept. 2; Gaz. vol. 194; p. 70.
- Journal-box. I. A. Randel. No. 1,077,159; Oct. 28; Gaz. vol. 195; p. 994.
- Journal-box and wear-plate therefor. W. Case. No. 1,063,655; June 3; Gaz. vol. 191; p. 169.
- Journal-box, Car. T. Smith. No. 1,060,956; May 6; Gaz. vol. 190; p. 137.
- Journal-box, Car-axle. H. H. Hewitt. No. 1,072,719; Sept. 9; Gaz. vol. 194; p. 387.
- Journal-box cooler. J. D. Metcalf. No. 1,064,978; June 17; Gaz. vol. 191; p. 685.
- Journal-box for railway-cars. J. Caron. No. 1,075,761; Oct. 14; Gaz. vol. 195; p. 430.
- Journal-box lid. C. A. Swallow. No. 1,062,054; May 20; Gaz. vol. 190; p. 583.
- Journal-box lid. G. A. Woodman. No. 1,076,853; Oct. 28; Gaz. vol. 195; p. 891.
- Journal-box-lid fastener. C. W. Booth. No. 1,067,300; July 15; Gaz. vol. 192; p. 549.
- Journal-box lubricant device. F. Loedige. No. 1,051,244; Jan. 21; Gaz. vol. 186; p. 726.
- Journal-box-lubricating means. F. H. Hinkley and H. E. Johnson. No. 1,070,257; Aug. 12; Gaz. vol. 193; p. 431.
- Journal-box, Railway-car. H. H. Hewitt. No. 1,072,726; Sept. 9; Gaz. vol. 194; p. 389.

Alphabetical list of inventions—Continued.

- Journal-box, Railway-car. H. H. Hewitt. No. 1,072,727; Sept. 9; Gaz. vol. 194; p. 390.
- Journal-box wear-plate. D. F. Gonware. No. 1,082,943; Dec. 30; Gaz. vol. 197; p. 1165.
- Journal-box with independent supporting and pulling rollers, Car-axle. E. W. Gragert. No. 1,074,172; Sept. 30; Gaz. vol. 194; p. 981.
- Journal-boxes, Automatic take-up for. J. T. Hay. No. 1,058,862; Apr. 15; Gaz. vol. 189; p. 586.
- Journal-boxes, Grease-holder for. L. K. Smith. No. 1,079,446; Nov. 25; Gaz. vol. 196; p. 851.
- Journal-cooling device. W. H. Chingman. No. 1,082,503; Dec. 30; Gaz. vol. 197; p. 1010.
- Journal-jack. W. E. Quinn. No. 1,069,175; Aug. 5; Gaz. vol. 193; p. 30.
- Journal-lubricator. R. H. Vesey. No. 1,051,293; Jan. 21; Gaz. vol. 186; p. 743.
- Journal-lubricator. W. A. Haggott. No. 1,057,824; Apr. 1; Gaz. vol. 189; p. 147.
- Journals, Making self-lubricating. G. L. Thompson. No. 1,059,954; Apr. 22; Gaz. vol. 189; p. 992.
- Journals, Safety device for preventing hot. L. E. Marvin. No. 1,058,993; Apr. 15; Gaz. vol. 189; p. 633.
- Juice and pulp extractor, Orange and lemon. F. S. Fiske. No. 1,061,734; May 13; Gaz. vol. 190; p. 439.
- Juice-extractor. W. B. Williams. No. 1,054,731; Mar. 4; Gaz. vol. 188; p. 27.
- Junction-box. H. N. Landaal. No. 1,055,922; Mar. 11; Gaz. vol. 188; p. 461.
- Junction-box. J. F. Wagner. No. 1,064,033; June 10; Gaz. vol. 191; p. 330.
- Justifying mechanism. B. F. Bellows. No. 1,082,006; Dec. 23; Gaz. vol. 197; p. 808.
- Kaleidoscope. T. G. Stough. No. 1,078,008; Nov. 11; Gaz. vol. 196; p. 294.
- Kerosene-tins and the like, Handle for. J. H. Tink. No. 1,081,844; Dec. 16; Gaz. vol. 197; p. 558.
- Keto compounds, Producing. G. Merling and H. Köhler. No. 1,070,622; Aug. 19; Gaz. vol. 193; p. 598.
- Keto compounds, Producing. G. Merling and H. Köhler. No. 1,071,008; Aug. 19; Gaz. vol. 193; p. 724.
- Ketones, Preparation of. T. H. Easterfield and C. M. Taylor. No. 1,058,225; Apr. 8; Gaz. vol. 189; p. 330.
- Kettle, Fruit and butter. W. D. Lady. No. 1,051,420; Jan. 28; Gaz. vol. 186; p. 819.
- Kettle holder and strainer, Combined. S. J. Ross. No. 1,069,812; Aug. 12; Gaz. vol. 193; p. 279.
- Kettle, Jacketed. I. Young. No. 1,049,794; Jan. 7; Gaz. vol. 186; p. 162.
- Kettle or boiler, Inner. W. H. Nutter and R. H. Sims. No. 1,080,470; Dec. 2; Gaz. vol. 197; p. 193.
- Kettle-tilter. J. Elshen, Jr. No. 1,058,569; Apr. 8; Gaz. vol. 189; p. 447.
- Key: *See* Adding and listing machine operating key; Calling-key; Door-key; Lock-key; Separable key; Switch-key; Telegraph-key.
- Key attachment. A. M. Heimbaugh. No. 1,074,359; Sept. 30; Gaz. vol. 194; p. 1043.
- Key-bolt lock. J. Adams, Jr. No. 1,070,385; Aug. 19; Gaz. vol. 193; p. 517.
- Key-carrier. A. Reznicek. No. 1,081,627; Dec. 16; Gaz. vol. 197; p. 651.
- Key-clamp, Burglar-proof. D. W. Shaffer. No. 1,057,675; Apr. 1; Gaz. vol. 189; p. 96.
- Key-duplicating clamp. H. Tucker. No. 1,081,472; Dec. 16; Gaz. vol. 197; p. 601.
- Key-duplicating machine. H. Tucker. No. 1,081,471; Dec. 16; Gaz. vol. 197; p. 601.
- Key-fastener. J. Keys. No. 1,049,493; Jan. 7; Gaz. vol. 186; p. 59.
- Key-fastener. G. C. McKay. No. 1,050,968; Jan. 21; Gaz. vol. 186; p. 633.
- Key-fastener. T. H. Agnew. No. 1,059,018; Apr. 15; Gaz. vol. 189; p. 643.
- Key-fastener. W. Klespies. No. 1,082,427; Dec. 23; Gaz. vol. 197; p. 952.
- Key for safety-locks, Variable-combination. L. J. M. Dardeau. No. 1,070,329; Aug. 12; Gaz. vol. 193; p. 456.
- Key-frame guide. L. Avisus. No. 1,053,551; Feb. 18; Gaz. vol. 187; p. 661.
- Key-holder. F. J. Dean. No. 1,052,802; Feb. 11; Gaz. vol. 187; p. 359.
- Key-holder. G. W. Miller. No. 1,053,626; Feb. 18; Gaz. vol. 187; p. 686.
- Key lock, Multiple. E. Rose. No. 1,057,884; Apr. 1; Gaz. vol. 189; p. 168.
- Key lock, Multiple. J. J. Murphy. No. 1,059,684; Apr. 22; Gaz. vol. 189; p. 904.
- Key-operated mechanism for actuating, recording, or indicating apparatus or the like. F. L. H. Sims. No. 1,049,929; Jan. 7; Gaz. vol. 186; p. 206.
- Key-operating-machine trigger mechanism. D. Petri-Palmedo. No. 1,080,579; Dec. 9; Gaz. vol. 197; p. 261.
- Key-puller. J. O. Wilson. No. 1,060,872; May 6; Gaz. vol. 190; p. 107.
- Key-ring. J. Milcinsky. No. 1,053,848; Feb. 18; Gaz. vol. 187; p. 761.
- Key-ring. W. Bendtz. No. 1,070,101; Aug. 12; Gaz. vol. 193; p. 378.
- Key-ring and key-retainer. C. C. Messmer. No. 1,061,393; May 13; Gaz. vol. 190; p. 319.
- Key-ring, Calendar. C. K. Davis. No. 1,069,533; Aug. 5; Gaz. vol. 193; p. 154.
- Key-ring holder. H. M. Keller. No. 1,053,183; Feb. 18; Gaz. vol. 187; p. 533.
- Key-ring holder. H. Elder. No. 1,059,130; Apr. 15; Gaz. vol. 189; p. 681.
- Key-seat-broaching machine. F. J. Lapointe. No. 1,073,251; Sept. 16; Gaz. vol. 194; p. 614.
- Key-seating-machine cutter. T. G. Frederick. No. 1,060,749; May 6; Gaz. vol. 190; p. 64.
- Key shelf and base. E. B. Crafts. No. 1,050,520; Jan. 14; Gaz. vol. 186; p. 445.
- Key-slip. C. E. Cameron. No. 1,063,954; June 10; Gaz. vol. 191; p. 303.
- Key-socket attachment. E. N. Mincer. No. 1,077,630; Nov. 4; Gaz. vol. 196; p. 134.
- Key-tag. M. J. Manasse. No. 1,066,129; July 1; Gaz. vol. 192; p. 80.
- Keyboard. O. Petermann. No. 1,081,142; Dec. 9; Gaz. vol. 197; p. 451.
- Keyboard. O. Petermann. No. 1,081,144; Dec. 9; Gaz. vol. 197; p. 452.
- Keyboard instrument. A. Radovanovic. No. 1,051,514; Jan. 28; Gaz. vol. 186; p. 851.
- Keyboards of autoplays, Electric attachment for. O. Herrmann. No. 1,073,044; Sept. 9; Gaz. vol. 194; p. 504.
- Keyhole-closer. G. Petersen. No. 1,061,866; May 13; Gaz. vol. 190; p. 479.
- Keyhole-guard. P. J. Johnson. No. 1,050,276; Jan. 14; Gaz. vol. 186; p. 358.
- Keyhole-guard. A. R. Reed. No. 1,073,779; Sept. 23; Gaz. vol. 194; p. 820.
- Keyhole-guard. K. Oswald. No. 1,076,696; Oct. 28; Gaz. vol. 195; p. 837.
- Keyhole-guard. A. Lissner. No. 1,079,654; Nov. 25; Gaz. vol. 196; p. 924.
- Keying device. O. C. Beach. No. 1,074,343; Sept. 30; Gaz. vol. 194; p. 1037.
- Keyless lock. S. Brown. No. 1,050,719; Jan. 14; Gaz. vol. 186; p. 509.
- Keyless lock. T. Carroll. No. 1,066,465; July 8; Gaz. vol. 192; p. 224.
- Keyless lock. D. W. Crockett. No. 1,071,510; Aug. 26; Gaz. vol. 193; p. 926.
- Kiln: *See* Brick-kiln; Cement-kiln; Cement-burning kiln; Char-drying kiln; Continuous kiln; Drier-kiln; Dry-kiln; Drying-kiln; Gas-fired shaft-kiln; Lumber-drying kiln; Muffle-kiln; Tubular kiln.
- Kiln. J. Ruston. No. 1,055,233; Mar. 4; Gaz. vol. 188; p. 193.
- Kiln. E. R. Sutcliffe. No. 1,061,952; May 13; Gaz. vol. 190; p. 508.
- Kiln. C. Hook. No. 1,073,045; Sept. 9; Gaz. vol. 194; p. 504.
- Kiln. W. Drayton. No. 1,075,904; Oct. 14; Gaz. vol. 195; p. 479.
- Kiln. A. C. Diller. No. 1,078,488; Nov. 11; Gaz. vol. 196; p. 461.
- Kilns and separating dust from the waste gases of such kilns, Process of and apparatus for producing draft in cement. R. C. Carpenter and T. J. Fleming. No. 1,078,254; Nov. 11; Gaz. vol. 196; p. 379.
- Kilns, Feeding mechanism for. F. Wattlebled. No. 1,052,393; Feb. 4; Gaz. vol. 187; p. 187.
- Kinematograph apparatus. W. Chipperfield and W. E. Garforth. No. 1,073,395; Sept. 16; Gaz. vol. 194; p. 665.
- Kinematograph-target. W. A. Bennett. No. 1,081,943; Dec. 23; Gaz. vol. 197; p. 785.
- Kinematographs and phonographs synchronously, Automatic clutch running. L. Gaumont. No. 1,074,943; Oct. 7; Gaz. vol. 195; p. 120.
- Kinematographs, Target apparatus for. B. W. Bates, H. W. Kelly, and D. H. Corbin. No. 1,072,298; Sept. 2; Gaz. vol. 194; p. 212.
- Kinematographs, Target apparatus for use with. B. W. Bates, H. W. Kelly, and D. H. Corbin. No. 1,075,894; Oct. 14; Gaz. vol. 195; p. 475.
- Kinematographic apparatus. T. H. Bolam and S. N. Barnard. No. 1,076,404; Oct. 21; Gaz. vol. 195; p. 680.
- Kinematographic apparatus for taking and projecting views by means of photographic plates. R. A. Robin. No. 1,079,187; Nov. 18; Gaz. vol. 196; p. 736.
- Kinematographic apparatus, Self-lighting. E. A. Ivatts. No. 1,065,134; June 17; Gaz. vol. 191; p. 735.
- Kinematographic apparatus, Toothed film-operating drum of. E. A. Ivatts. No. 1,065,132; June 17; Gaz. vol. 191; p. 735.
- Kinematographic film. C. Dupuis. No. 1,068,747; July 29; Gaz. vol. 192; p. 1115.
- Kinematographic films and waste portions of the same, Recovering the material of the support of. H. Danzer. No. 1,065,115; June 17; Gaz. vol. 191; p. 730.
- Kinematographic films, Mixed method of perforation for. E. A. Ivatts. No. 1,065,133; June 17; Gaz. vol. 191; p. 735.

Alphabetical list of inventions—Continued.

- Kinematographic performance and an acoustic accompaniment thereof, Obtaining synchronism between a. J. Beck. No. 1,069,221; Aug. 5; Gaz. vol. 193; p. 47.
- Kinematographic pictures, Apparatus for producing X-ray. J. Rosenthal. No. 1,059,488; Apr. 22; Gaz. vol. 189; p. 840.
- Kinematographic projecting apparatus, Indicating device for the insertion of films in. E. A. Ivatis. No. 1,065,135; June 17; Gaz. vol. 191; p. 735.
- Kinematographic projection apparatus by means of sunlight, Device for lighting. S. Doccetti. No. 1,059,286; Apr. 15; Gaz. vol. 189; p. 733.
- Kinetographs, Shutter and feed mechanism for. W. L. Hudson. No. 1,067,219; July 8; Gaz. vol. 192; p. 485.
- Kinetoscope. A. C. Roebuck. No. 1,055,492; Mar. 11; Gaz. vol. 188; p. 318.
- Kinetoscope. J. A. Le Roy. No. 1,075,215; Oct. 7; Gaz. vol. 195; p. 216.
- Kinetoscope-films, Automatic loop-setter for. N. Power. No. 1,051,632; Jan. 28; Gaz. vol. 186; p. 891.
- Kinetoscope-projector. F. B. Cannock. No. 1,075,692; Oct. 14; Gaz. vol. 195; p. 407.
- Kitchen and ironing table, Combined. E. C. Prescott. No. 1,069,978; Aug. 12; Gaz. vol. 193; p. 335.
- Kitchen appliance. M. Steineke. No. 1,062,304; May 20; Gaz. vol. 190; p. 670.
- Kitchen-reminder. F. A. Bertram. No. 1,068,207; July 22; Gaz. vol. 192; p. 889.
- Kitchen-reminder, Perpetual. H. H. Ready, L. C. Connor, and L. C. Bevans. No. 1,082,044; Dec. 23; Gaz. vol. 197; p. 821.
- Kitchen utensil. N. K. Clemm. No. 1,053,573; Feb. 18; Gaz. vol. 187; p. 669.
- Kitchen utensil. J. Hickey. No. 1,064,729; June 17; Gaz. vol. 191; p. 604.
- Kitchen utensils, Lifter for. M. Herzog. No. 1,058,585; Apr. 8; Gaz. vol. 189; p. 452.
- Kite. A. J. M. Recklin. No. 1,067,272; July 15; Gaz. vol. 192; p. 539.
- Kite-reel. G. D. Christner, H. R. Law, and H. B. Gorman. No. 1,067,643; July 15; Gaz. vol. 192; p. 665.
- Knapsacks, valises, or the like, Supporting equipment for. O. F. Bergan. No. 1,054,818; Mar. 4; Gaz. vol. 188; p. 58.
- Kneading device, Mechanical dough-. R. Rambeaud. No. 1,049,600; Jan. 7; Gaz. vol. 186; p. 98.
- Kneading machine, Gum-. R. Snedden. No. 1,055,824; Mar. 11; Gaz. vol. 188; p. 430.
- Kneading-machine-operating mechanism, Dough-. F. Münz. No. 1,081,858; Dec. 16; Gaz. vol. 197; p. 730.
- Knee and ankle brace. E. Spahn. No. 1,072,369; Sept. 2; Gaz. vol. 194; p. 237.
- Knee-joint, Artificial. C. A. Aunger. No. 1,074,233; Sept. 30; Gaz. vol. 194; p. 1001.
- Knee-pad. W. Schmitt. No. 1,074,531; Sept. 30; Gaz. vol. 194; p. 1097.
- Knee-pad and foot-rest for church-pews, Combination movable. M. Lavigne. No. 1,080,764; Dec. 9; Gaz. vol. 197; p. 326.
- Knee-pad for cotton-pickers, &c. W. P. Herron and S. G. Stevens. No. 1,055,040; Mar. 4; Gaz. vol. 188; p. 132.
- Knee-protector. D. B. McCall. No. 1,081,245; Dec. 9; Gaz. vol. 197; p. 486.
- Knickerbockers. L. J. Scheinman. No. 1,055,663; Mar. 11; Gaz. vol. 188; p. 374.
- Knickerbockers, Boy's. M. H. Zimmerman. No. 1,062,628; May 27; Gaz. vol. 190; p. 818.
- Knickerbockers, Contracting band for. D. Gamble. No. 1,076,031; Oct. 21; Gaz. vol. 195; p. 552.
- Knife: See Cotton-knife; Farrier's knife; Fruit-knife; Garment-knife; Hay-knife; Peeling-knife; Pocket-knife; Shoe-knife; Skinning-knife; Topping-knife.
- Knife. W. A. Yerzley. No. 1,056,081; Mar. 18; Gaz. vol. 188; p. 550.
- Knife. H. Appleby. No. 1,068,093; July 22; Gaz. vol. 192; p. 850.
- Knife. C. W. Tillmanns. No. 1,075,519; Oct. 14; Gaz. vol. 195; p. 348.
- Knife and scissors sharpener. W. P. Gray and J. H. Duncan. No. 1,081,606; Dec. 16; Gaz. vol. 197; p. 645.
- Knife attachment. E. A. Saltzman. No. 1,069,189; Aug. 5; Gaz. vol. 193; p. 35.
- Knife-blade scraper. C. G. and G. W. Dooley. (Reissue.) No. 13,577; June 17; Gaz. vol. 191; p. 802.
- Knife-cleaning machine. W. Abel. No. 1,059,652; Apr. 22; Gaz. vol. 189; p. 893.
- Knife-cylinder. W. Stanat. No. 1,076,714; Oct. 28; Gaz. vol. 195; p. 843.
- Knife-edge bearing. J. Hopkinson. No. 1,067,341; July 15; Gaz. vol. 192; p. 563.
- Knife, fork, and spoon, Combined. H. Poettich. No. 1,065,170; June 17; Gaz. vol. 191; p. 746.
- Knife-gage. B. Miley. No. 1,059,894; Apr. 22; Gaz. vol. 189; p. 971.
- Knife-holder and knife for cutting pile fabrics. A. Morton. No. 1,055,348; Mar. 11; Gaz. vol. 188; p. 270.
- Knife-lubricating device. D. S. Seymour. No. 1,080,485; Dec. 2; Gaz. vol. 197; p. 199.
- Knife roller, Mote-. J. Brady. No. 1,082,844; Dec. 30; Gaz. vol. 197; p. 1131.
- Knife-scourer. D. S. Seymour. No. 1,051,279; Jan. 21; Gaz. vol. 186; p. 737.
- Knife-stone. A. G. Rodgers. No. 1,059,566; Apr. 22; Gaz. vol. 189; p. 866.
- Knife-switch blade. A. K. Sutherland. No. 1,078,523; Nov. 11; Gaz. vol. 196; p. 472.
- Knit fabric having a welt and making the same. R. W. Scott. No. 1,074,019; Sept. 23; Gaz. vol. 194; p. 901.
- Knit fabrics, Machine for uniting. E. O. Davis. No. 1,050,432; Jan. 14; Gaz. vol. 186; p. 413.
- Knit fabrics, Machine for uniting. E. O. Davis. No. 1,050,433; Jan. 14; Gaz. vol. 186; p. 414.
- Knit fabrics, Machine for uniting. W. C. Wright. No. 1,057,106; Mar. 25; Gaz. vol. 188; p. 933.
- Knit garments, Trim for. R. Mueller. No. 1,054,233; Feb. 25; Gaz. vol. 187; p. 930.
- Knitted fabric. S. Friedberger. No. 1,050,120; Jan. 14; Gaz. vol. 186; p. 306.
- Knitted fabric, Fleeced. F. J. Volz. No. 1,067,952; July 22; Gaz. vol. 192; p. 801.
- Knitted fabric, hosiery made therefrom, and making same. H. Swinglehurst. No. 1,058,492; Apr. 8; Gaz. vol. 189; p. 421.
- Knitted fabric, Ribbed. R. W. Scott. No. 1,070,190; Aug. 12; Gaz. vol. 193; p. 409.
- Knitted garment. M. Nydegger. No. 1,072,640; Sept. 9; Gaz. vol. 194; p. 360.
- Knitted necktie. J. Kellner and S. Worms. No. 1,060,190; Apr. 29; Gaz. vol. 189; p. 1114.
- Knitted necktie. J. Kellner and S. Worms. No. 1,072,471; Sept. 9; Gaz. vol. 194; p. 302.
- Knitted necktie, Bias-lace. J. Kellner and S. Worms. No. 1,073,050; Sept. 9; Gaz. vol. 194; p. 507.
- Knitted web and making same. R. W. Scott. No. 1,081,779; Dec. 16; Gaz. vol. 197; p. 702.
- Knitted web and making same, Ribbed. R. W. Scott. No. 1,062,367; May 20; Gaz. vol. 190; p. 690.
- Knitted web, Welted. R. W. Scott. No. 1,081,778; Dec. 16; Gaz. vol. 197; p. 702.
- Knitted webs, Making widened. R. W. Scott. No. 1,056,593; Mar. 18; Gaz. vol. 188; p. 726.
- Knitting bias-lace knitted neckties. J. Kellner and S. Worms. No. 1,072,734; Sept. 9; Gaz. vol. 194; p. 393.
- Knitting-machine. A. N. Ames. No. 1,052,877; Feb. 11; Gaz. vol. 187; p. 384.
- Knitting-machine. D. B. Kimes. No. 1,056,691; Mar. 18; Gaz. vol. 188; p. 758.
- Knitting-machine. C. H. Perkins. No. 1,057,166; Mar. 25; Gaz. vol. 188; p. 953.
- Knitting-machine. H. Swinglehurst. No. 1,057,782; Apr. 1; Gaz. vol. 189; p. 132.
- Knitting-machine. B. T. Steber. No. 1,062,557; May 20; Gaz. vol. 190; p. 751.
- Knitting-machine. A. F. Killian. No. 1,063,551; June 3; Gaz. vol. 191; p. 128.
- Knitting-machine. R. W. Scott. No. 1,063,743; June 3; Gaz. vol. 191; p. 199.
- Knitting-machine. F. B. Wildman. No. 1,071,979; Sept. 2; Gaz. vol. 194; p. 106.
- Knitting-machine. W. F. Rolston. No. 1,072,365; Sept. 2; Gaz. vol. 194; p. 235.
- Knitting-machine. M. Nydegger. No. 1,072,639; Sept. 9; Gaz. vol. 194; p. 360.
- Knitting-machine. F. Wilcomb. No. 1,073,309; Sept. 16; Gaz. vol. 194; p. 635.
- Knitting-machine. M. Kohlsdorf. No. 1,075,262; Oct. 7; Gaz. vol. 195; p. 234.
- Knitting-machine. F. D. Holmes. No. 1,081,043; Dec. 9; Gaz. vol. 197; p. 419.
- Knitting-machine. H. D. Shimer. No. 1,081,410; Dec. 16; Gaz. vol. 197; p. 581.
- Knitting-machine. M. G. Rosenthal. No. 1,082,239; Dec. 23; Gaz. vol. 197; p. 888.
- Knitting-machine. O. Laroche and M. L. N. Tucker. No. 1,082,881; Dec. 30; Gaz. vol. 197; p. 1144.
- Knitting-machine attachment. W. H. Horn, Jr. No. 1,053,603; Feb. 18; Gaz. vol. 187; p. 680.
- Knitting-machine attachment. H. D. Buck. No. 1,058,543; Apr. 8; Gaz. vol. 189; p. 439.
- Knitting-machine attachment. H. H. West. No. 1,064,185; June 10; Gaz. vol. 191; p. 383.
- Knitting machine, Circular-. F. Wilcomb. No. 1,054,067; Feb. 25; Gaz. vol. 187; p. 872.
- Knitting machine, Circular-. J. Black. No. 1,062,875; May 27; Gaz. vol. 190; p. 899.
- Knitting machine, Circular-. E. E. and I. W. Kilbourn and G. F. Smith. No. 1,066,734; July 8; Gaz. vol. 192; p. 321.
- Knitting machine, Circular-. J. B. Paxton and E. I. O'Neill. No. 1,068,527; July 29; Gaz. vol. 192; p. 1038.
- Knitting machine, Circular-. C. A. Santmyers. No. 1,068,534; July 29; Gaz. vol. 192; p. 1040.
- Knitting machine, Circular-. J. T. Paxton. No. 1,068,603; July 29; Gaz. vol. 192; p. 1064.
- Knitting machine, Circular-. H. A. Houseman. No. 1,078,677; Nov. 18; Gaz. vol. 196; p. 557.
- Knitting machine, Circular-. H. A. Houseman. No. 1,078,679; Nov. 18; Gaz. vol. 196; p. 558.
- Knitting machine, Circular-. H. A. Houseman. No. 1,078,681; Nov. 18; Gaz. vol. 196; p. 559.

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- Knitting machine, Circular-. E. E. Preston. No. 1,079,144; Nov. 18; Gaz. vol. 196; p. 720.
- Knitting machine, Circular-. W. Spiers. No. 1,080,857; Dec. 9; Gaz. vol. 197; p. 359.
- Knitting machine, Circular-. F. B. Wildman. No. 1,081,179; Dec. 9; Gaz. vol. 197; p. 464.
- Knitting machine, Circular spring-needle. J. McNamee. No. 1,050,970; Jan. 21; Gaz. vol. 186; p. 633.
- Knitting-machine clocking attachment, Circular-. F. W. Robinson. No. 1,081,254; Dec. 9; Gaz. vol. 197; p. 489.
- Knitting machine, Double-rib-warp-. O. Gübel. No. 1,078,914; Nov. 18; Gaz. vol. 196; p. 640.
- Knitting-machine driving mechanism. F. Wilcomb. No. 1,049,553; Jan. 7; Gaz. vol. 186; p. 81.
- Knitting-machine driving mechanism. G. L. Ballard. No. 1,050,787; Jan. 21; Gaz. vol. 186; p. 567.
- Knitting machine, Flat-. J. Kellner and S. Worms. No. 1,058,242; Apr. 8; Gaz. vol. 189; p. 334.
- Knitting machine, Flat-. J. Kellner and S. Worms. No. 1,063,453; June 3; Gaz. vol. 191; p. 95.
- Knitting-machine needle. R. W. Scott. No. 1,062,366; May 20; Gaz. vol. 190; p. 690.
- Knitting-machine needle. G. C. Egly. No. 1,077,600; Nov. 4; Gaz. vol. 196; p. 124.
- Knitting-machine needle-protector and let-off. F. Wilcomb. No. 1,054,479; Feb. 25; Gaz. vol. 187; p. 1014.
- Knitting-machine pattern mechanism. F. Wilcomb. No. 1,054,478; Feb. 25; Gaz. vol. 187; p. 1014.
- Knitting machine, Rib-. R. W. Scott. No. 1,070,191; Aug. 12; Gaz. vol. 193; p. 409.
- Knitting-machine stop-motion. J. Heppeler. No. 1,055,460; Mar. 11; Gaz. vol. 188; p. 508.
- Knitting-machine stop-motion. R. C. Gruber. No. 1,071,910; Sept. 2; Gaz. vol. 194; p. 83.
- Knitting-machine stop-motion. F. B. Wildman and G. L. Ballard. No. 1,081,180; Dec. 9; Gaz. vol. 197; p. 464.
- Knitting-machine stop-motion, Circular-. H. A. Houseman. No. 1,078,678; Nov. 18; Gaz. vol. 196; p. 557.
- Knitting-machine take-up motion, Circular-. H. A. Houseman. No. 1,078,680; Nov. 18; Gaz. vol. 196; p. 559.
- Knitting-machine thread-changing mechanism. E. A. Hirner. No. 1,062,911; May 27; Gaz. vol. 190; p. 911.
- Knitting-machine thread cutter and clamp. A. E. Stewart. No. 1,066,234; July 1; Gaz. vol. 192; p. 118.
- Knitting-machine using double-ended latch-needles, Circular-fashioning. W. H. Beale. No. 1,073,885; Sept. 23; Gaz. vol. 194; p. 855.
- Knitting-machine web receiver and take-up mechanism. H. Swinglehurst. No. 1,061,024; May 6; Gaz. vol. 190; p. 162.
- Knitting-machines, Automatic hose and fabric cutting attachment for. T. Ryan. No. 1,056,589; Mar. 18; Gaz. vol. 188; p. 725.
- Knitting machines, Dial-positioning mechanism for rib-. H. Swinglehurst. No. 1,056,133; Mar. 18; Gaz. vol. 188; p. 568.
- Knitting-machines, Evener for spring-needle. H. F. Berry. No. 1,066,367; July 1; Gaz. vol. 192; p. 163.
- Knitting-machines, Jacquard-link for. G. C. L., Jr., and J. H. Tisch. No. 1,059,918; Apr. 22; Gaz. vol. 189; p. 979.
- Knitting machines, Needle-picker for circular-. H. E. Houseman. No. 1,078,676; Nov. 18; Gaz. vol. 196; p. 556.
- Knitting-machines, Pattern mechanism for. F. B. Wildman and G. L. Ballard. No. 1,065,487; June 24; Gaz. vol. 191; p. 892.
- Knitting-machines, Quarter-saver for circular spring-needle. D. F. Sullivan. No. 1,064,868; June 17; Gaz. vol. 191; p. 649.
- Knitting machines, Vertical-striping attachment for circular-. F. W. Robinson. No. 1,077,304; Nov. 4; Gaz. vol. 196; p. 21.
- Knitting-machines, Web-take-up device for. W. H. Childrey. No. 1,065,215; June 17; Gaz. vol. 191; p. 760.
- Knitting-machines, Yarn-feed traverse mechanism for. H. Janssen and M. Zwicky. No. 1,079,915; Nov. 25; Gaz. vol. 196; p. 1017.
- Knitting neck-ties and scarfs. J. Kellner and S. Worms. No. 1,072,856; Sept. 9; Gaz. vol. 194; p. 436.
- Knob and shank, Door-. O. H. Beauregard. No. 1,058,530; Apr. 8; Gaz. vol. 189; p. 434.
- Knob, Door-. S. Atkins. No. 1,060,223; Apr. 29; Gaz. vol. 189; p. 1126.
- Knob fastener, Door-. Z. E. Rice. No. 1,049,398; Jan. 7; Gaz. vol. 186; p. 28.
- Knob fastener, Door-. O. N. Howerton. No. 1,061,844; May 13; Gaz. vol. 190; p. 471.
- Knob fastening, Door-. E. B. Griffin. No. 1,070,451; Aug. 19; Gaz. vol. 193; p. 539.
- Knob handle, Lock-. H. Anderson. No. 1,067,575; July 15; Gaz. vol. 192; p. 641.
- Knob plate, Turn-. G. N. Mason. No. 1,066,131; July 1; Gaz. vol. 192; p. 80.
- Knob-polishing machine, Drawer-. W. Person. No. 1,065,077; June 17; Gaz. vol. 191; p. 717.
- Knob shank and holder. H. R. Stadtmiller. No. 1,062,933; May 27; Gaz. vol. 190; p. 919.
- Knob shank, Glass-. W. H. De Wolfe. No. 1,059,659; Apr. 22; Gaz. vol. 189; p. 895.
- Knob-spindle and means for securing knobs thereto. P. F. Augenbraun. No. 1,058,524; Apr. 8; Gaz. vol. 189; p. 433.
- Knobs, Screw-holder for door-. S. Gasser. No. 1,050,640; Jan. 14; Gaz. vol. 186; p. 484.
- Knockdown box. F. L. Hamilton. No. 1,061,068; May 6; Gaz. vol. 190; p. 176.
- Knockdown box. F. Reiger. No. 1,070,532; Aug. 19; Gaz. vol. 193; p. 568.
- Knockdown box. C. C. Mengel. No. 1,071,072; Aug. 26; Gaz. vol. 193; p. 781.
- Knockdown box. E. F. Jones. No. 1,073,137; Sept. 16; Gaz. vol. 194; p. 573.
- Knockdown box. B. L. Behrendt. No. 1,076,864; Oct. 28; Gaz. vol. 195; p. 896.
- Knockdown box. J. A. Scott. No. 1,079,668; Nov. 25; Gaz. vol. 196; p. 929.
- Knockdown package. G. S. Bowman. No. 1,078,245; Nov. 11; Gaz. vol. 196; p. 376.
- Knockdown table. S. C. Thompson. No. 1,072,060; Sept. 2; Gaz. vol. 194; p. 133.
- Knockdown wheel. J. E. Strietelmeier. No. 1,079,305; Nov. 18; Gaz. vol. 196; p. 772.
- Knot-staggering mechanism. H. D. Colman. No. 1,070,116; Aug. 12; Gaz. vol. 193; p. 383.
- Knot-tying device. J. P. O'Connell. No. 1,051,155; Jan. 21; Gaz. vol. 186; p. 697.
- Knotter. H. D. Colman. No. 1,072,575; Sept. 9; Gaz. vol. 194; p. 338.
- Knuckle-joint, Dust-proof. R. M. McGahee. No. 1,054,015; Feb. 25; Gaz. vol. 187; p. 855.
- L for wastes and overflows. R. Clark. No. 1,068,039; July 22; Gaz. vol. 192; p. 832.
- Label. L. M. Cole. No. 1,054,826; Mar. 4; Gaz. vol. 188; p. 61.
- Label. P. H. Goodsell and W. E. Maynard. No. 1,071,226; Aug. 26; Gaz. vol. 193; p. 833.
- Label affixing and printing device. S. Bylicki and J. Parenski. No. 1,056,626; Mar. 18; Gaz. vol. 188; p. 737.
- Label-affixing machine. E. P. Sheldon, G. Brand, and F. Marcile. No. 1,050,856; Jan. 21; Gaz. vol. 186; p. 593.
- Label-applying apparatus. G. L. Bender and J. G. Rapp. No. 1,071,135; Aug. 26; Gaz. vol. 193; p. 802.
- Label-applying machine, Automatic. F. Coates. No. 1,049,996; Jan. 7; Gaz. vol. 186; p. 228.
- Label, Bottle-. G. Zitzmann and F. Shoreys. No. 1,052,991; Feb. 11; Gaz. vol. 187; p. 424.
- Label-cutting machine. H. H. Jacobus. No. 1,054,778; Mar. 4; Gaz. vol. 188; p. 43.
- Label-holder. T. J. Clarke. No. 1,065,112; June 17; Gaz. vol. 191; p. 728.
- Label-holder. T. J. Clarke. No. 1,065,293; June 17; Gaz. vol. 191; p. 788.
- Label, Metallic. J. Stewart. No. 1,065,475; June 24; Gaz. vol. 191; p. 888.
- Labels on dry goods, Machine for putting. W. P. Anthony. No. 1,060,661; May 6; Gaz. vol. 190; p. 33.
- Labeler, Bottle-. J. J. Gaynor. No. 1,071,731; Sept. 2; Gaz. vol. 194; p. 21.
- Labeling-machine. B. F. Brown. No. 1,053,781; Feb. 18; Gaz. vol. 187; p. 739.
- Labeling-machine. F. Dodge. No. 1,078,723; Nov. 18; Gaz. vol. 196; p. 574.
- Labeling machine, Bottle-. E. Ermold. No. 1,056,520; Mar. 18; Gaz. vol. 188; p. 702.
- Labeling machine, Bottle-. G. L. Bender. No. 1,071,403; Sept. 2; Gaz. vol. 194; p. 249.
- Labeling machine, Can-. J. C. Shults. No. 1,061,021; May 6; Gaz. vol. 190; p. 160.
- Labeling machine, Can-. O. C. King. No. 1,076,043; Oct. 21; Gaz. vol. 195; p. 555.
- Labeling-machine, Gravitation. A. B. Ainsworth. No. 1,062,267; May 20; Gaz. vol. 190; p. 657.
- Labeling machine, Vessel-. G. L. Meyer. No. 1,075,719; Oct. 14; Gaz. vol. 195; p. 416.
- Labeling-machines, Glue-supply mechanism for. F. O. Woodland. No. 1,056,141; Mar. 18; Gaz. vol. 188; p. 571.
- Laboratory-crusher. D. McIntosh. No. 1,058,774; Apr. 15; Gaz. vol. 189; p. 555.
- Lace and insertion, Drum drying mechanism for. D. D. S. Whytock. No. 1,068,551; July 29; Gaz. vol. 192; p. 1045.
- Lace and manner of tying same, Shoe-. W. J. A. Muirhead. No. 1,065,264; June 17; Gaz. vol. 191; p. 777.
- Lace attachment, Shoe-. J. E. Rogers. No. 1,061,780; May 13; Gaz. vol. 190; p. 452.
- Lace, Boot-. H. W. Short. No. 1,062,511; May 20; Gaz. vol. 190; p. 737.
- Lace fabric, Twist-. A. Burgess. No. 1,053,478; Feb. 18; Gaz. vol. 187; p. 636.
- Lace fastener, Shoe-. F. Zeller. No. 1,052,551; Feb. 11; Gaz. vol. 187; p. 273.
- Lace fastener, Shoe-. A. M. Kennedy. No. 1,055,048; Mar. 4; Gaz. vol. 188; p. 135.
- Lace-fastening device for shoes, gloves, and the like. J. T. Dresler. No. 1,067,323; July 15; Gaz. vol. 192; p. 557.

Alphabetical list of inventions—Continued.

- Lace-fastening for boots, shoes, &c. A. Schmitt. No. 1,068,085; July 22; Gaz. vol. 192; p. 847.
- Lace holder, Shoe. S. Samson. No. 1,058,471; Apr. 8; Gaz. vol. 189; p. 415.
- Lace holder, Shoe. J. H. Hess. No. 1,064,143; June 10; Gaz. vol. 191; p. 368.
- Lace-machine. J. H. Bromley, Jr. No. 1,066,789; July 8; Gaz. vol. 192; p. 338.
- Lace measuring and reeling mechanism. H. G. Wesley. No. 1,075,453; Oct. 14; Gaz. vol. 195; p. 326.
- Lace, Metallic. P. G. Bachmann and A. F. Henke. No. 1,075,320; Oct. 14; Gaz. vol. 195; p. 279.
- Lace-rack. L. E. Jones. No. 1,074,796; Oct. 7; Gaz. vol. 195; p. 72.
- Lace, Shoe. R. H. Berkstresser. No. 1,058,345; Apr. 8; Gaz. vol. 189; p. 372.
- Lace, Shoe. E. Kempshall. No. 1,073,496; Sept. 16; Gaz. vol. 194; p. 699.
- Lace, Thread-tensioning device for machines for the manufacture of pillow. A. Matitsch. No. 1,068,515; July 29; Gaz. vol. 192; p. 1034.
- Laces, Manufacture of. J. E. Dudson. No. 1,067,324; July 15; Gaz. vol. 192; p. 558.
- Lacing-holder. L. Hluchý. No. 1,068,241; July 22; Gaz. vol. 192; p. 902.
- Lacing-hook. W. R. Lockhart. No. 1,056,189; Mar. 18; Gaz. vol. 188; p. 586.
- Lacing-hook-setting machines, Feed mechanism for. A. R. Havener. No. 1,078,350; Nov. 11; Gaz. vol. 196; p. 414.
- Lacing machine, Upper. H. E. Enslin. No. 1,060,069; Apr. 29; Gaz. vol. 189; p. 1073.
- Lacing shoe-uppers, Machine for. W. A. Smith. No. 1,075,508; Oct. 14; Gaz. vol. 195; p. 344.
- Lacing shoe-uppers, Machine for. W. A. Smith. No. 1,075,511; Oct. 14; Gaz. vol. 195; p. 346.
- Lacing shoe-uppers, Machine for. E. E. Winkley. No. 1,075,530; Oct. 14; Gaz. vol. 195; p. 352.
- Lacquer, Japan, &c., Apparatus for recovering vehicles used in application of. W. S. Rowland. No. 1,069,033; July 20; Gaz. vol. 192; p. 1214.
- Lacquers and varnishes, Manufacture of. A. Cohn. No. 1,080,100; Dec. 2; Gaz. vol. 197; p. 64.
- Lacquering-machine. W. W. Vincent. No. 1,080,392; Dec. 2; Gaz. vol. 197; p. 169.
- Ladder. A. Schreiner. No. 1,051,275; Jan. 21; Gaz. vol. 186; p. 736.
- Ladder. G. W. Reed. No. 1,063,831; June 3; Gaz. vol. 191; p. 228.
- Ladder. O. Siegel. No. 1,078,316; Nov. 11; Gaz. vol. 196; p. 402.
- Ladder, Aerial. C. F. Kieser. No. 1,081,122; Dec. 9; Gaz. vol. 197; p. 444.
- Ladder and ironing-board, Combined step. E. Davis. No. 1,049,682; Jan. 7; Gaz. vol. 186; p. 125.
- Ladder and ironing-table, Combination step. O. F. Coulter. No. 1,062,890; May 27; Gaz. vol. 190; p. 904.
- Ladder and ironing-table, Combination step. A. J. Dewey and A. J. Conkey. No. 1,073,799; Sept. 23; Gaz. vol. 194; p. 826.
- Ladder attachment. J. N. Farnham. No. 1,066,892; July 8; Gaz. vol. 192; p. 373.
- Ladder attachment, Extension-step. J. Mosiman. No. 1,068,805; July 29; Gaz. vol. 192; p. 1136.
- Ladder attachment, Silo. L. C. Bricker. No. 1,049,804; Jan. 7; Gaz. vol. 186; p. 165.
- Ladder, Braced step. A. F. Talbot. No. 1,082,832; Dec. 30; Gaz. vol. 197; p. 1127.
- Ladder, Combination step. A. O. Tannenberg. No. 1,078,072; Nov. 11; Gaz. vol. 196; p. 317.
- Ladder, Combined step, extension, and hanging. N. J. Hattenback and A. H. Handy. No. 1,050,273; Jan. 14; Gaz. vol. 186; p. 358.
- Ladder, Convertible. H. Mote. No. 1,070,908; Aug. 19; Gaz. vol. 193; p. 692.
- Ladder, Extension. A. P. Boyer. No. 1,059,340; Apr. 22; Gaz. vol. 189; p. 788.
- Ladder, Extension. P. F. Swart. No. 1,066,680; July 8; Gaz. vol. 192; p. 300.
- Ladder, Extension step. A. C. Taylor. No. 1,064,693; June 10; Gaz. vol. 191; p. 556.
- Ladder, Fish. A. J. Collar. No. 1,082,109; Dec. 23; Gaz. vol. 197; p. 843.
- Ladder, Fold-up step. C. Wheelwright. No. 1,067,853; July 22; Gaz. vol. 192; p. 769.
- Ladder, Folding. M. T. Murphy. No. 1,065,166; June 17; Gaz. vol. 191; p. 745.
- Ladder, Folding extensible. A. N. Faulkner. No. 1,069,403; Aug. 5; Gaz. vol. 193; p. 110.
- Ladder, Folding step. L. O. Garraway. No. 1,054,108; Feb. 25; Gaz. vol. 187; p. 886.
- Ladder for cars. H. H. Schroyer. No. 1,062,191; May 20; Gaz. vol. 190; p. 631.
- Ladder, Freight-car. W. A. Mitchell. No. 1,061,100; May 6; Gaz. vol. 190; p. 185.
- Ladder, Freight-car. D. R. MacBain. No. 1,063,048; May 27; Gaz. vol. 190; p. 956.
- Ladder, Orchard step. C. Hewett. No. 1,067,170; July 8; Gaz. vol. 192; p. 467.
- Ladder, Scaffold. C. G. Bishop. No. 1,068,849; July 29; Gaz. vol. 192; p. 1152.
- Ladder, Slidable section step. G. W. Inebuit. No. 1,081,236; Dec. 9; Gaz. vol. 197; p. 482.
- Ladder, Step. B. C. Freas. No. 1,074,318; Sept. 30; Gaz. vol. 194; p. 1029.
- Ladder, Step. C. E. Stroud. No. 1,077,650; Nov. 4; Gaz. vol. 196; p. 141.
- Ladder-support, Revolving. G. W. Rowley. No. 1,082,240; Dec. 23; Gaz. vol. 197; p. 888.
- Ladle. S. G. Stuckey. No. 1,063,225; June 3; Gaz. vol. 191; p. 19.
- Ladle. J. O'Connor and M. P. Brennan. No. 1,080,120; Dec. 2; Gaz. vol. 197; p. 71.
- Ladle-runner. E. L. Ford. No. 1,061,280; May 13; Gaz. vol. 190; p. 281.
- Ladles, &c., Apparatus for drying and heating. E. Widekind. No. 1,057,905; Apr. 1; Gaz. vol. 189; p. 174.
- Laminated forms, Adjustable holder for. L. R. Carroll. No. 1,079,163; Nov. 18; Gaz. vol. 196; p. 727.
- Lamp. G. K. Bradfield. No. 1,050,913; Jan. 21; Gaz. vol. 186; p. 614.
- Lamp. W. E. Christian. No. 1,054,747; Mar. 4; Gaz. vol. 188; p. 32.
- Lamp. M. Kraus. No. 1,055,053; Mar. 4; Gaz. vol. 188; p. 136.
- Lamp. J. G. Hunnicutt. No. 1,057,153; Mar. 25; Gaz. vol. 188; p. 948.
- Lamp. H. Maytrott. No. 1,057,353; Mar. 25; Gaz. vol. 188; p. 1014.
- Lamp. W. T. Jones. No. 1,058,181; Apr. 8; Gaz. vol. 189; p. 315.
- Lamp. H. Brousseau. No. 1,060,314; Apr. 29; Gaz. vol. 189; p. 1159.
- Lamp. H. Brousseau. No. 1,060,315; Apr. 29; Gaz. vol. 189; p. 1159.
- Lamp. H. N. Kerr. No. 1,062,340; May 20; Gaz. vol. 190; p. 681.
- Lamp. W. F. Anklam. No. 1,066,460; July 8; Gaz. vol. 192; p. 223.
- Lamp. A. H. Welker. No. 1,067,085; July 8; Gaz. vol. 192; p. 436.
- Lamp. A. K. Miller. No. 1,070,161; Aug. 12; Gaz. vol. 193; p. 399.
- Lamp. E. J. Lutwyche. No. 1,070,383; Aug. 12; Gaz. vol. 193; p. 476.
- Lamp. C. H. Myers. No. 1,070,515; Aug. 19; Gaz. vol. 193; p. 562.
- Lamp. F. Van Gelderen. No. 1,071,372; Aug. 26; Gaz. vol. 193; p. 882.
- Lamp. M. Cotton. No. 1,071,550; Aug. 26; Gaz. vol. 193; p. 940.
- Lamp. J. Majer. No. 1,074,442; Sept. 30; Gaz. vol. 194; p. 1071.
- Lamp. D. D. Myers. No. 1,074,449; Sept. 30; Gaz. vol. 194; p. 1072.
- Lamp. C. E. Godley. No. 1,074,712; Oct. 7; Gaz. vol. 195; p. 44.
- Lamp. E. J. Lutwyche. (Reissue.) No. 13,630; Oct. 21; Gaz. vol. 195; p. 783.
- Lamp. C. G. Myers. No. 1,077,153; Oct. 28; Gaz. vol. 195; p. 992.
- Lamp. H. R. Van Vleck. No. 1,078,389; Nov. 11; Gaz. vol. 196; p. 429.
- Lamp. W. S. Hamm. No. 1,079,124; Nov. 18; Gaz. vol. 196; p. 713.
- Lamp. W. F. Hudgins. No. 1,079,347; Nov. 25; Gaz. vol. 196; p. 819.
- Lamp. J. G. McGregor. No. 1,080,362; Dec. 2; Gaz. vol. 197; p. 157.
- Lamp. S. E. Trisler. No. 1,081,875; Dec. 16; Gaz. vol. 197; p. 735.
- Lamp. L. J. Kahlo and R. B. Cameron. No. 1,083,214; Dec. 30; Gaz. vol. 197; p. 1250.
- Lamp, Acetylene. A. Zdanowvich. No. 1,049,437; Jan. 7; Gaz. vol. 186; p. 41.
- Lamp, Acetylene. J. W. Larimore. No. 1,053,186; Feb. 18; Gaz. vol. 187; p. 534.
- Lamp, Acetylene. T. Longstaff and S. C. Moore. No. 1,053,516; Feb. 18; Gaz. vol. 187; p. 649.
- Lamp, Acetylene. J. Anson. No. 1,060,660; May 6; Gaz. vol. 190; p. 32.
- Lamp, Acetylene. A. Roach. No. 1,068,931; July 29; Gaz. vol. 192; p. 1181.
- Lamp, Acetylene. L. M. Evans. No. 1,081,899; Dec. 16; Gaz. vol. 197; p. 742.
- Lamp, Acetylene-gas. M. W. Moore. No. 1,070,352; Aug. 12; Gaz. vol. 193; p. 463.
- Lamp, Acetylene-gas. W. Gschwendner. No. 1,073,980; Sept. 23; Gaz. vol. 194; p. 888.
- Lamp, Acetylene-gas. F. E. Baldwin. No. 1,077,582; Nov. 4; Gaz. vol. 196; p. 118.
- Lamp, Acetylene-gas. P. W. Lohmann. No. 1,078,865; Nov. 18; Gaz. vol. 196; p. 623.
- Lamp, Acetylene-gas-generating. F. E. Baldwin. (Reissue.) No. 13,542; Mar. 11; Gaz. vol. 188; p. 486.
- Lamp adjustable support, Electric. A. Cohn. No. 1,052,889; Feb. 11; Gaz. vol. 187; p. 389.
- Lamp adjuster and support, Electric. J. W. Kea. No. 1,056,908; Mar. 25; Gaz. vol. 188; p. 863.
- Lamp-adjuster, Automatic. J. Thomas. No. 1,081,522; Dec. 16; Gaz. vol. 197; p. 619.

Alphabetical list of inventions—Continued.

- Lamp adjuster, Electric-. J. Sachs. No. 1,064,777; June 17; Gaz. vol. 191; p. 620.
- Lamp-adjusting mechanism. N. Maxfield. No. 1,074,186; Sept. 30; Gaz. vol. 194; p. 985.
- Lamp-adjusting mechanism for vehicles. W. H. Stevens. No. 1,052,858; Feb. 11; Gaz. vol. 187; p. 378.
- Lamp, Alcohol-. L. Wojdkow. No. 1,050,587; Jan. 14; Gaz. vol. 186; p. 468.
- Lamp, Alcohol-. C. Nelson. No. 1,056,047; Mar. 18; Gaz. vol. 188; p. 538.
- Lamp, Alcohol-. C. Nelson and W. G. Barker. No. 1,061,318; May 13; Gaz. vol. 190; p. 295.
- Lamp, Alcohol-. F. E. Carlson. No. 1,062,886; May 27; Gaz. vol. 190; p. 903.
- Lamp, Alcohol-. L. Wojdkow. No. 1,070,650; Aug. 19; Gaz. vol. 193; p. 607.
- Lamp and connections, Binnacle-. A. S. Campbell. No. 1,058,032; Apr. 8; Gaz. vol. 189; p. 261.
- Lamp and generator, Acetylene. F. E. Baldwin. No. 1,070,000; Aug. 12; Gaz. vol. 193; p. 343.
- Lamp and lamp and license-sign bracket. T. L. Duffy. No. 1,059,847; Apr. 22; Gaz. vol. 189; p. 956.
- Lamp and license-number, Rear. L. M. Hickey. No. 1,055,172; Mar. 4; Gaz. vol. 188; p. 174.
- Lamp and like support, Telescopic. H. A. Bullif. No. 1,058,217; Apr. 8; Gaz. vol. 189; p. 327.
- Lamp and reflector, Incandescent. W. R. Litzenberg. No. 1,075,924; Oct. 14; Gaz. vol. 195; p. 487.
- Lamp, Arc-. E. M. Wooden. No. 1,049,555; Jan. 7; Gaz. vol. 186; p. 82.
- Lamp, Arc-. W. Rühling. No. 1,050,072; Jan. 7; Gaz. vol. 186; p. 256.
- Lamp, Arc-. W. R. Ridings. No. 1,052,425; Feb. 4; Gaz. vol. 187; p. 198.
- Lamp, Arc-. R. Scott. No. 1,055,361; Mar. 11; Gaz. vol. 188; p. 275.
- Lamp, Arc-. G. Geiger. No. 1,059,451; Apr. 22; Gaz. vol. 189; p. 827.
- Lamp, Arc-. R. Scott. No. 1,062,857; May 27; Gaz. vol. 190; p. 893.
- Lamp, Arc-. C. E. Crane. No. 1,071,675; Aug. 26; Gaz. vol. 193; p. 981.
- Lamp, Arc-. T. L. Carbone. (Reissue.) No. 13,618; Sept. 23; Gaz. vol. 194; p. 927.
- Lamp, Arc-. T. L. Carbone. (Reissue.) No. 13,619; Sept. 23; Gaz. vol. 194; p. 928.
- Lamp, Arc-. J. J. Wood. No. 1,075,532; Oct. 14; Gaz. vol. 195; p. 353.
- Lamp, Arc-. R. Fleming and C. A. B. Halvorsen, Jr. No. 1,078,913; Nov. 18; Gaz. vol. 196; p. 640.
- Lamp, Arc-. C. A. B. Halvorsen, Jr. No. 1,083,210; Dec. 30; Gaz. vol. 197; p. 1249.
- Lamp attachment. C. H. Snider. No. 1,049,416; Jan. 7; Gaz. vol. 186; p. 34.
- Lamp attachment. L. C. June. No. 1,054,209; Feb. 25; Gaz. vol. 187; p. 922.
- Lamp attachment, Automobile. W. Q. Pfahler. No. 1,076,699; Oct. 28; Gaz. vol. 195; p. 838.
- Lamp attachment, Electric-. W. P. McNeel. No. 1,075,365; Oct. 14; Gaz. vol. 195; p. 294.
- Lamp attachment, Vehicle. E. H. Shinn. No. 1,061,020; May 6; Gaz. vol. 190; p. 160.
- Lamp, Automobile-. J. O. Kendall and T. O. Robinson. No. 1,055,542; Mar. 11; Gaz. vol. 188; p. 334.
- Lamp, Automobile-. O. O'Neal. No. 1,071,785; Sept. 2; Gaz. vol. 194; p. 41.
- Lamp, Automobile-. T. P. Driver. No. 1,077,192; Oct. 28; Gaz. vol. 195; p. 1004.
- Lamp base, Electric-incandescent. P. G. Triquet. No. 1,064,571; June 10; Gaz. vol. 191; p. 514.
- Lamp, Bichromatic. J. H. Fry. (Reissue.) No. 13,648; Nov. 18; Gaz. vol. 196; p. 778.
- Lamp-bracket. W. F. Ankiam. No. 1,054,892; Mar. 4; Gaz. vol. 188; p. 82.
- Lamp-bracket. M. T. Brendlinger. No. 1,055,015; Mar. 4; Gaz. vol. 188; p. 122.
- Lamp-bracket. K. Rundy. No. 1,059,217; Apr. 15; Gaz. vol. 189; p. 710.
- Lamp-bracket. J. Meltz. No. 1,069,160; Aug. 5; Gaz. vol. 193; p. 24.
- Lamp-bracket. M. W. Hazlett. No. 1,077,531; Nov. 4; Gaz. vol. 196; p. 103.
- Lamp-bracket. H. A. Goff. No. 1,082,079; Dec. 25; Gaz. vol. 197; p. 834.
- Lamp-bracket. J. M. Powell. No. 1,082,763; Dec. 30; Gaz. vol. 197; p. 1104.
- Lamp bracket, Electric-. N. T. Zeigler. No. 1,065,423; June 24; Gaz. vol. 191; p. 870.
- Lamp-bracket for automobiles, Adjustable. E. C. Clapp. No. 1,078,831; Nov. 18; Gaz. vol. 196; p. 612.
- Lamp-bracket for motor-cycles. W. E. Newton. No. 1,056,574; Mar. 18; Gaz. vol. 188; p. 720.
- Lamp-bracket for power-driven vehicles. G. K. Babcock. No. 1,082,618; Dec. 30; Gaz. vol. 197; p. 1052.
- Lamp bulb and diffuser, Combination electric-. E. L. Frent. No. 1,067,599; July 15; Gaz. vol. 192; p. 649.
- Lamp-bulb, Self-locking. C. Blass. No. 1,082,397; Dec. 23; Gaz. vol. 197; p. 943.
- Lamp bulbs, Locked guard for electric-. R. H. Leveridge. No. 1,050,149; Jan. 14; Gaz. vol. 186; p. 316.
- Lamp-burner. L. S. Blake. No. 1,053,001; Feb. 11; Gaz. vol. 187; p. 427.
- Lamp-burner. F. Pujol. No. 1,053,218; Feb. 18; Gaz. vol. 187; p. 545.
- Lamp-burner. S. Cox. No. 1,056,886; Mar. 25; Gaz. vol. 188; p. 856.
- Lamp-burner. S. B. Morss. No. 1,068,601; July 29; Gaz. vol. 192; p. 1064.
- Lamp-burner. V. H. Mills. No. 1,073,358; Sept. 16; Gaz. vol. 194; p. 652.
- Lamp-burner. L. P. Moore. No. 1,076,511; Oct. 21; Gaz. vol. 195; p. 717.
- Lamp-burner. W. Colina. No. 1,080,537; Dec. 9; Gaz. vol. 197; p. 248.
- Lamp-burner. J. Clifford. No. 1,081,095; Dec. 9; Gaz. vol. 197; p. 435.
- Lamp-burner. F. Danuser. No. 1,083,060; Dec. 30; Gaz. vol. 197; p. 1203.
- Lamp-burner attachment. R. C. Andersen. No. 1,051,535; Jan. 28; Gaz. vol. 186; p. 859.
- Lamp-burner attachment. G. W. Smithson. No. 1,051,644; Jan. 28; Gaz. vol. 186; p. 895.
- Lamp-burner attachment. G. A. Horn. No. 1,059,732; Apr. 22; Gaz. vol. 189; p. 919.
- Lamp-burner attachment. C. H. Fredrick. No. 1,063,022; May 27; Gaz. vol. 190; p. 947.
- Lamp-burner extinguisher. G. P. Geheber. No. 1,049,844; Jan. 7; Gaz. vol. 186; p. 179.
- Lamp-burner, Safety. C. T. Siebert. No. 1,079,190; Nov. 18; Gaz. vol. 196; p. 737.
- Lamp-burner, Safety. P. Schroeder. No. 1,083,220; Dec. 30; Gaz. vol. 197; p. 1252.
- Lamp, Candle-. P. Hauser and A. G. McLaughlin. No. 1,078,197; Nov. 11; Gaz. vol. 196; p. 359.
- Lamp, Candle-. P. Hauser and A. G. McLaughlin. No. 1,078,198; Nov. 11; Gaz. vol. 196; p. 360.
- Lamp carrier, Electric-incandescent. A. F. Pribnow. No. 1,077,751; Nov. 4; Gaz. vol. 196; p. 175.
- Lamp-chimney attachment. A. Thomson. No. 1,052,984; Feb. 11; Gaz. vol. 187; p. 421.
- Lamp-chimney cleaner. M. F. Wildau. No. 1,052,871; Feb. 11; Gaz. vol. 187; p. 383.
- Lamp-chimney holder. W. H. Washington. No. 1,058,282; Apr. 8; Gaz. vol. 189; p. 349.
- Lamp-chimney holder. P. D. Foster. No. 1,059,602; Apr. 22; Gaz. vol. 189; p. 877.
- Lamp-chimney lifter. R. A. Morrissey. No. 1,066,031; July 1; Gaz. vol. 192; p. 44.
- Lamp-cleaning machine, Incandescent. G. W. Beadle. No. 1,053,468; Feb. 18; Gaz. vol. 187; p. 632.
- Lamp control, Automobile. B. Stephen and D. R. James. No. 1,077,172; Oct. 28; Gaz. vol. 195; p. 997.
- Lamp-controller, Automatic. W. B. Meeker. No. 1,082,545; Dec. 30; Gaz. vol. 197; p. 1025.
- Lamp-cord adjuster. F. C. Mezger. No. 1,050,068; Jan. 7; Gaz. vol. 186; p. 255.
- Lamp-cord adjuster and the like. J. Sachs. No. 1,067,554; July 15; Gaz. vol. 192; p. 634.
- Lamp cut-out, Electric-. H. S. Dunning. No. 1,066,475; July 8; Gaz. vol. 192; p. 228.
- Lamp-door fastener. W. T. Jones. No. 1,060,189; Apr. 29; Gaz. vol. 189; p. 1114.
- Lamp, Electric. H. A. Douglas. No. 1,068,331; July 22; Gaz. vol. 192; p. 933.
- Lamp, Electric. F. H. Hart. No. 1,069,947; Aug. 12; Gaz. vol. 193; p. 325.
- Lamp, Electric. A. G. Hoban and R. L. Marquis. No. 1,074,949; Oct. 7; Gaz. vol. 195; p. 122.
- Lamp, Electric-arc. T. E. Adams. No. 1,058,514; Apr. 8; Gaz. vol. 189; p. 429.
- Lamp, Electric-arc. T. E. Adams. No. 1,058,515; Apr. 8; Gaz. vol. 189; p. 429.
- Lamp, Electric-arc. J. Thulin. No. 1,060,382; Apr. 29; Gaz. vol. 189; p. 1183.
- Lamp, Electric-arc. A. G. Way. No. 1,062,809; May 27; Gaz. vol. 190; p. 877.
- Lamp, Electric-arc. F. Buchanan. No. 1,083,187; Dec. 30; Gaz. vol. 197; p. 1241.
- Lamp, Electric gas or vapor. P. C. Hewitt and N. W. Rogers. No. 1,079,342; Nov. 25; Gaz. vol. 196; p. 817.
- Lamp, Electric incandescent. E. G. Royer. No. 1,063,496; June 3; Gaz. vol. 191; p. 110.
- Lamp, Electric incandescent. E. G. Royer. No. 1,066,326; July 1; Gaz. vol. 192; p. 150.
- Lamp, Electric glow-. W. Nernst. No. 1,071,649; Aug. 26; Gaz. vol. 193; p. 973.
- Lamp, Electric pocket-. E. Neudörffer. No. 1,074,376; Sept. 30; Gaz. vol. 194; p. 1048.
- Lamp, Electric pocket-. E. Neudörffer. No. 1,074,377; Sept. 30; Gaz. vol. 194; p. 1049.
- Lamp, Electric safety-. J. G. Patterson. No. 1,070,522; Aug. 19; Gaz. vol. 193; p. 564.
- Lamp, Electric safety-. E. Gottschalk. L. Werner, and A. Gast. No. 1,076,495; Oct. 21; Gaz. vol. 195; p. 712.
- Lamp, Electric signal-. A. K. Miller. No. 1,064,515; June 10; Gaz. vol. 191; p. 495.
- Lamp-extinguisher. W. J. Hills. No. 1,058,366; Apr. 8; Gaz. vol. 189; p. 379.

Alphabetical list of inventions—Continued.

- Lamp-extinguisher. I. Greenwald, J. Blaustein, M. Z. Weiss, and M. Selkovits. No. 1,073,484; Sept. 16; Gaz. vol. 194; p. 696.
- Lamp-extinguisher. I. C. Bergen. No. 1,080,946; Dec. 9; Gaz. vol. 197; p. 389.
- Lamp, Filament-. M. Sidon. No. 1,079,804; Nov. 25; Gaz. vol. 196; p. 979.
- Lamp fixture, Electric-. H. C. Hawks. No. 1,070,463; Aug. 19; Gaz. vol. 193; p. 544.
- Lamp fixture, Electric-. G. J. Dormandy. No. 1,072,926; Sept. 9; Gaz. vol. 194; p. 463.
- Lamp, Flame arc-. H. G. Dyer. No. 1,049,687; Jan. 7; Gaz. vol. 186; p. 126.
- Lamp for automobiles, Dirigible. W. D. and W. L. Hallman. No. 1,052,720; Feb. 11; Gaz. vol. 187; p. 330.
- Lamp for automobiles, Dirigible. W. B. Dievendorf. No. 1,079,844; Nov. 25; Gaz. vol. 196; p. 991.
- Lamp for motor-vehicles, Tail-. R. Huff. No. 1,053,995; Feb. 25; Gaz. vol. 187; p. 848.
- Lamp for picture-display machines. A. F. Victor. No. 1,063,401; June 3; Gaz. vol. 191; p. 79.
- Lamp, Gas-. F. J. and H. R. Humphrey. No. 1,051,592; Jan. 28; Gaz. vol. 186; p. 878.
- Lamp, Gas-. F. J. and H. R. Humphrey. No. 1,051,593; Jan. 28; Gaz. vol. 186; p. 878.
- Lamp, Gas-. J. and G. Keith. No. 1,080,149; Dec. 2; Gaz. vol. 197; p. 81.
- Lamp, Gas-. A. H. Humphrey. No. 1,082,955; Dec. 30; Gaz. vol. 197; p. 1169.
- Lamp, Gas arc-. H. Rubin. No. 1,049,769; Jan. 7; Gaz. vol. 186; p. 153.
- Lamp-glass, Non-breakable safety. E. O. McLaughlin. No. 1,072,021; Sept. 2; Gaz. vol. 194; p. 121.
- Lamp-globe changer, Incandescent-. C. D. Bates. No. 1,056,084; Mar. 18; Gaz. vol. 188; p. 551.
- Lamp glower, Electrical-incandescent-. O. M. Thowless. No. 1,074,333; Sept. 30; Gaz. vol. 194; p. 1034.
- Lamp-guard. C. T. Childers. No. 1,054,088; Feb. 25; Gaz. vol. 187; p. 879.
- Lamp-guard. P. Sorensen. No. 1,055,427; Mar. 11; Gaz. vol. 188; p. 297.
- Lamp hanger, Incandescent-. R. D. H. Anderson. No. 1,077,663; Nov. 4; Gaz. vol. 196; p. 146.
- Lamp-hanger, Miner's. L. K. Terry. No. 1,082,779; Dec. 30; Gaz. vol. 197; p. 1110.
- Lamp has been in use, Device adapted to show whether an electric incandescent. S. Klein. No. 1,077,479; Nov. 4; Gaz. vol. 196; p. 85.
- Lamp-holder. E. Kreidler. No. 1,070,140; Aug. 12; Gaz. vol. 193; p. 391.
- Lamp holder and reflector, Electric-. L. M. Fluhart. No. 1,080,904; Dec. 9; Gaz. vol. 197; p. 374.
- Lamp holder, Electric-. S. Clark. No. 1,058,036; Apr. 8; Gaz. vol. 189; p. 262.
- Lamp holder, Electric-. B. R. Hannan. No. 1,062,460; May 20; Gaz. vol. 190; p. 720.
- Lamp-holder, Miner's. N. Friebrand. No. 1,080,434; Dec. 2; Gaz. vol. 197; p. 182.
- Lamp-holder, Swivel. C. N. Lowden. No. 1,075,951; Oct. 14; Gaz. vol. 195; p. 495.
- Lamp-holder, Swivel. C. N. Lowden. No. 1,075,952; Oct. 14; Gaz. vol. 195; p. 496.
- Lamp, Hydrocarbon-. J. F. Lawrence. No. 1,070,967; Aug. 19; Gaz. vol. 193; p. 710.
- Lamp-igniting apparatus, Miner's-safety-. E. A. Haulwood. No. 1,060,978; May 6; Gaz. vol. 190; p. 145.
- Lamp, Incandescent. E. Weintraub. No. 1,049,786; Jan. 7; Gaz. vol. 186; p. 160.
- Lamp, Incandescent. E. Seitz. No. 1,052,756; Feb. 1; Gaz. vol. 187; p. 342.
- Lamp, Incandescent. A. S. Knight. No. 1,059,737; Apr. 22; Gaz. vol. 189; p. 921.
- Lamp, Incandescent. C. P. Steinmetz. No. 1,062,305; May 20; Gaz. vol. 190; p. 670.
- Lamp, Incandescent. J. Herzog. No. 1,062,591; May 2; Gaz. vol. 190; p. 805.
- Lamp, Incandescent. M. M. Merritt. No. 1,062,836; May 27; Gaz. vol. 190; p. 886.
- Lamp, Incandescent. C. Reiss. No. 1,072,993; Sept. 9; Gaz. vol. 194; p. 488.
- Lamp, Incandescent. R. H. Henderson. No. 1,075,475; Oct. 14; Gaz. vol. 195; p. 334.
- Lamp, Incandescent. A. G. Davis. No. 1,082,012; Dec. 23; Gaz. vol. 197; p. 811.
- Lamp, Incandescent electric. R. Jahida. No. 1,063,035; May 27; Gaz. vol. 190; p. 952.
- Lamp, Incandescent gas-. G. Helps. No. 1,052,337; Feb. 4; Gaz. vol. 187; p. 167.
- Lamp, Incandescent gas-. P. Lucas. No. 1,055,342; Mar. 11; Gaz. vol. 188; p. 268.
- Lamp, Incandescent gas-. L. M. Rubin. No. 1,077,756; Nov. 4; Gaz. vol. 196; p. 177.
- Lamp, Incandescent oil-. J. Doorenbos. No. 1,076,821; Oct. 28; Gaz. vol. 195; p. 881.
- Lamp, Incandescent wick-. J. Herzog. No. 1,062,592; May 27; Gaz. vol. 190; p. 806.
- Lamp, Incandescing-mantle gasolene-. E. S. Newbold. No. 1,072,354; Sept. 2; Gaz. vol. 194; p. 231.
- Lamp, Inverted high-power gas-. H. Süssman and M. Mayer. No. 1,067,560; July 15; Gaz. vol. 192; p. 636.
- Lamp, Inverted hydrocarbon-. J. F. Lawrence. No. 1,074,183; Sept. 30; Gaz. vol. 194; p. 984.
- Lamp, Inverted incandescent gas-. W. Gorlitzer. No. 1,066,406; July 1; Gaz. vol. 192; p. 174.
- Lamp key-socket, Electric-. A. W. Clauder. No. 1,055,137; Mar. 4; Gaz. vol. 188; p. 163.
- Lamp lighter and controller, Automatic. W. C. Hamilton and W. L. Bird. No. 1,057,638; Apr. 1; Gaz. vol. 189; p. 82.
- Lamp-lighting device. A. L. Schneider. No. 1,063,936; June 3; Gaz. vol. 191; p. 263.
- Lamp lighting or igniting device. A. Fillunger. No. 1,057,536; Apr. 1; Gaz. vol. 189; p. 48.
- Lamp lock and seal, Incandescent-. H. Davies and J. Cooke. No. 1,062,228; May 20; Gaz. vol. 190; p. 644.
- Lamp lock and seal, Incandescent-. H. Davies and J. Cooke. No. 1,070,426; Aug. 19; Gaz. vol. 193; p. 531.
- Lamp lock, Incandescent-. J. H. A. Gardiner. No. 1,073,113; Sept. 16; Gaz. vol. 194; p. 565.
- Lamp lock, Vehicle and other. F. W. Seabrook. No. 1,078,559; Nov. 11; Gaz. vol. 196; p. 483.
- Lamp, Magazine arc-. E. J. Guay. No. 1,062,907; May 27; Gaz. vol. 190; p. 910.
- Lamp, Magnesium flash-. O. B. Henrickson. No. 1,082,326; Dec. 23; Gaz. vol. 197; p. 920.
- Lamp manipulator, Incandescent-. A. E. Binz. No. 1,059,705; Apr. 22; Gaz. vol. 189; p. 911.
- Lamp, Marker-. A. G. Karl. No. 1,079,349; Nov. 25; Gaz. vol. 196; p. 820.
- Lamp mechanism, Automobile. D. S. Hughes. No. 1,069,615; Aug. 5; Gaz. vol. 193; p. 181.
- Lamp, Mercury and other vapor electric. H. A. Kent and H. G. Lacell. No. 1,055,185; Mar. 4; Gaz. vol. 188; p. 178.
- Lamp, Metal-filament incandescent. M. D. Greengard. No. 1,082,587; Dec. 30; Gaz. vol. 197; p. 1041.
- Lamp, Miner's. A. L. Tombelaine. No. 1,055,001; Mar. 4; Gaz. vol. 188; p. 118.
- Lamp, Miner's. S. N. Krieger and C. A. Fidler. No. 1,061,385; May 13; Gaz. vol. 190; p. 316.
- Lamp, Miner's. W. P. Rice. No. 1,062,504; May 20; Gaz. vol. 190; p. 735.
- Lamp, Miner's. S. Koroly. No. 1,065,147; June 17; Gaz. vol. 191; p. 739.
- Lamp, Miner's. C. G. Sallander. No. 1,068,533; July 29; Gaz. vol. 192; p. 1040.
- Lamp, Miner's. C. Dushek. No. 1,080,050; Dec. 2; Gaz. vol. 197; p. 46.
- Lamp, Miner's acetylene-. J. Courtney. No. 1,063,419; June 3; Gaz. vol. 191; p. 84.
- Lamp, Novelty-. A. E. Redlich. No. 1,051,760; Jan. 28; Gaz. vol. 186; p. 931.
- Lamp, Oil-. C. E. Godley. No. 1,052,912; Feb. 11; Gaz. vol. 187; p. 398.
- Lamp-operating mechanism. L. J. Wogenstahl. No. 1,078,115; Nov. 11; Gaz. vol. 196; p. 332.
- Lamp or lantern globe. A. Ott and O. Beck. No. 1,056,052; Mar. 18; Gaz. vol. 188; p. 540.
- Lamp plug and socket, Safety. H. C. Jones and C. M. Weeks. No. 1,062,920; May 27; Gaz. vol. 190; p. 914.
- Lamp, Plummet-. C. V. Martin. No. 1,052,075; Feb. 4; Gaz. vol. 187; p. 80.
- Lamp, Portable. W. F. Brewster. No. 1,050,334; Jan. 14; Gaz. vol. 186; p. 379.
- Lamp, Portable. W. F. Brewster. No. 1,057,408; Apr. 1; Gaz. vol. 189; p. 6.
- Lamp, Portable acetylene-. A. L. Hansen. No. 1,076,826; Oct. 28; Gaz. vol. 195; p. 883.
- Lamp, Portable electric. F. C. Smith. No. 1,068,088; July 22; Gaz. vol. 192; p. 848.
- Lamp, Portable electric reading-. S. J. Levi and T. A. and A. H. Rose. No. 1,078,445; Nov. 11; Gaz. vol. 196; p. 448.
- Lamp, Portable electric safety-. E. Banick. No. 1,068,836; July 29; Gaz. vol. 192; p. 1148.
- Lamp, Portable hand electric. A. C. Recker. No. 1,062,117; May 20; Gaz. vol. 190; p. 606.
- Lamp, Portable reading-. G. W. Cassidy. No. 1,079,315; Nov. 18; Gaz. vol. 196; p. 777.
- Lamp positioning and removing device, Electric-. A. O. Craig. No. 1,067,899; July 22; Gaz. vol. 192; p. 784.
- Lamp, Projecting-. J. H. Robnett. No. 1,078,167; Nov. 11; Gaz. vol. 196; p. 349.
- Lamp receptacle, Incandescent-electric-. J. S. Crossley. No. 1,081,581; Dec. 16; Gaz. vol. 197; p. 636.
- Lamp, Sealing-wax. E. Gosliner. No. 1,077,527; Nov. 4; Gaz. vol. 196; p. 102.
- Lamp, Search-. H. B. Kenyon. No. 1,058,442; Apr. 8; Gaz. vol. 189; p. 406.
- Lamp-securing means, Incandescent-. R. W. Morgan. No. 1,056,354; Mar. 18; Gaz. vol. 188; p. 640.
- Lamp-shade. G. Maullion. No. 1,070,710; Aug. 19; Gaz. vol. 193; p. 628.
- Lamp-shade. J. Gilsey. No. 1,080,211; Dec. 2; Gaz. vol. 197; p. 102.
- Lamp-shade holder. F. J. Nahuis. No. 1,066,836; July 8; Gaz. vol. 192; p. 353.
- Lamp-shade holder. S. B. Van Ranst. No. 1,076,848; Oct. 28; Gaz. vol. 195; p. 890.

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- Lamp shade, Inverted-incandescent-gas-. S. F. Elkins. No. 1,065,598; June 24; Gaz. vol. 191; p. 930.
- Lamp-shades and the like, Holder for. B. A. Stowe. No. 1,058,489; Apr. 8; Gaz. vol. 189; p. 420.
- Lamp, Signal-. W. S. Hamm. No. 1,051,102; Jan. 21; Gaz. vol. 186; p. 680.
- Lamp, Signal-. N. Kraus and C. A. Phelps. No. 1,064,230; June 10; Gaz. vol. 191; p. 398.
- Lamp, Signal-. J. S. Pixley. No. 1,082,169; Dec. 23; Gaz. vol. 197; p. 862.
- Lamp, Signal-. F. D. Spear. No. 1,082,178; Dec. 23; Gaz. vol. 197; p. 865.
- Lamp-socket. S. Trood. No. 1,054,652; Feb. 25; Gaz. vol. 187; p. 1072.
- Lamp-socket. W. E. Christian. No. 1,054,746; Mar. 4; Gaz. vol. 188; p. 32.
- Lamp-socket. J. Darby. No. 1,056,154; Mar. 18; Gaz. vol. 188; p. 575.
- Lamp-socket. G. Wright. No. 1,057,025; Mar. 25; Gaz. vol. 188; p. 905.
- Lamp, &c., socket. F. Barr. No. 1,064,423; June 10; Gaz. vol. 191; p. 465.
- Lamp-socket. C. D. Meeker. No. 1,067,482; July 15; Gaz. vol. 192; p. 611.
- Lamp-socket. F. Dietz. No. 1,073,477; Sept. 16; Gaz. vol. 194; p. 694.
- Lamp-socket. T. R. Willwerscheid. No. 1,075,318; Oct. 7; Gaz. vol. 195; p. 255.
- Lamp-socket. J. Darby. No. 1,075,463; Oct. 14; Gaz. vol. 195; p. 330.
- Lamp-socket. J. Darby and C. D. Meeker. No. 1,076,026; Oct. 21; Gaz. vol. 195; p. 549.
- Lamp-socket. C. A. Vetter. No. 1,078,813; Nov. 18; Gaz. vol. 196; p. 606.
- Lamp-socket. W. F. Anklam. No. 1,082,484; Dec. 30; Gaz. vol. 197; p. 1003.
- Lamp-socket and switch device. C. G. Burton. No. 1,049,562; Jan. 7; Gaz. vol. 186; p. 84.
- Lamp-socket, Cluster. C. H. Bissell. No. 1,076,477; Oct. 21; Gaz. vol. 195; p. 706.
- Lamp socket, Electric-. F. Barr. No. 1,053,697; Feb. 18; Gaz. vol. 187; p. 711.
- Lamp socket, Electric-. F. E. Seeley. No. 1,057,176; Mar. 25; Gaz. vol. 188; p. 956.
- Lamp socket, Electric-. G. C. Knauff. No. 1,059,617; Apr. 22; Gaz. vol. 189; p. 882.
- Lamp socket, Electric-. R. B. Benjamin. No. 1,062,139; May 20; Gaz. vol. 190; p. 613.
- Lamp socket, Electric-. G. B. Thomas. No. 1,072,271; Sept. 2; Gaz. vol. 194; p. 203.
- Lamp socket, Electric-. G. C. Knauff. No. 1,078,586; Nov. 11; Gaz. vol. 196; p. 493.
- Lamp socket, Electric-. M. Schwartz. No. 1,079,028; Nov. 18; Gaz. vol. 196; p. 681.
- Lamp socket, Electric-. W. C. Tregoning. No. 1,082,181; Dec. 23; Gaz. vol. 197; p. 867.
- Lamp socket, Electric-. A. W. Clauder. No. 1,082,404; Dec. 23; Gaz. vol. 197; p. 945.
- Lamp socket, Incandescent-. B. H. Irish. No. 1,054,419; Feb. 25; Gaz. vol. 187; p. 994.
- Lamp socket, Incandescent-. F. Reutter. No. 1,065,967; July 1; Gaz. vol. 192; p. 23.
- Lamp socket, Incandescent-electric-. J. K. Lux. No. 1,055,062; Mar. 4; Gaz. vol. 188; p. 139.
- Lamp socket, Incandescent-electric-. H. F. Goetz. No. 1,069,938; Aug. 12; Gaz. vol. 193; p. 322.
- Lamp socket, Incandescent-electric-. E. A. Olley. No. 1,079,660; Nov. 25; Gaz. vol. 196; p. 926.
- Lamp-socket, Self-locking. W. A. Stacey. No. 1,054,946; Mar. 4; Gaz. vol. 188; p. 99.
- Lamp-socket shell. H. T. Paiste. No. 1,053,743; Feb. 18; Gaz. vol. 187; p. 728.
- Lamp socket, Waterproof incandescent-electric-. E. L. Schneider. No. 1,054,455; Feb. 25; Gaz. vol. 187; p. 1005.
- Lamp sockets, Adapter for electric-. G. I. Silbert. No. 1,060,953; May 6; Gaz. vol. 190; p. 135.
- Lamp sockets, Case for incandescent-electric-. A., Sr., and J. Weber. No. 1,066,963; July 8; Gaz. vol. 192; p. 398.
- Lamp sockets, Case for incandescent-electric-. A., Sr., and J. Weber. No. 1,066,964; July 8; Gaz. vol. 192; p. 398.
- Lamp sockets, Case for incandescent-electric-. A., Sr., and J. Weber. No. 1,068,192; July 22; Gaz. vol. 192; p. 884.
- Lamp sockets, Casing for incandescent-electric-. C. H. Bissell. No. 1,075,539; Oct. 14; Gaz. vol. 195; p. 355.
- Lamp sockets, Circuit-closer for incandescent-electric-. R. H. Vickers. No. 1,055,578; Mar. 11; Gaz. vol. 188; p. 346.
- Lamp sockets, Locking mechanism for electric-. W. Broad. No. 1,053,354; Feb. 18; Gaz. vol. 187; p. 593.
- Lamp-sockets, Means for fastening. W. C. Tregoning. No. 1,075,612; Oct. 14; Gaz. vol. 195; p. 381.
- Lamp stand, Electric-. J. Ivans. No. 1,050,217; Jan. 14; Gaz. vol. 186; p. 338.
- Lamp-starting device, Mercury-. J. T. H. Dempster. No. 1,057,041; Mar. 25; Gaz. vol. 188; p. 910.
- Lamp, Storage-battery. C. B. Bartley. No. 1,056,393; Mar. 18; Gaz. vol. 188; p. 653.
- Lamp structure. F. Piaszek. No. 1,064,534; June 10; Gaz. vol. 191; p. 502.
- Lamp structure. C. E. Gedley. No. 1,071,907; Sept. 2; Gaz. vol. 194; p. 82.
- Lamp-support. E. G. Hines. No. 1,065,609; June 24; Gaz. vol. 191; p. 934.
- Lamp-support. K. J. Ohlson. No. 1,079,715; Nov. 25; Gaz. vol. 196; p. 946.
- Lamp-support, Adjustable. C. H. Nichols. No. 1,057,658; Apr. 1; Gaz. vol. 189; p. 90.
- Lamp-support, Vehicle. J. W. Spangenberg. No. 1,079,808; Nov. 25; Gaz. vol. 196; p. 980.
- Lamp supporting and operating means. J. D. Stow. No. 1,076,170; Oct. 21; Gaz. vol. 195; p. 598.
- Lamp-supporting means, Electric-. R. Herman. No. 1,050,020; Jan. 7; Gaz. vol. 186; p. 237.
- Lamp suspension-support, Electric-. J. P. German and A. O. Pool. No. 1,068,998; July 29; Gaz. vol. 192; p. 1202.
- Lamp switch, Electric-. N. C. Nispel. No. 1,051,749; Jan. 28; Gaz. vol. 186; p. 929.
- Lamp switch, Electric-. M. J. Hoppock. No. 1,055,177; Mar. 4; Gaz. vol. 188; p. 175.
- Lamp switch, Electric-. J. A. M. Traus. No. 1,075,953; Oct. 14; Gaz. vol. 195; p. 496.
- Lamp switch, Variable-resistance electric-. F. C. Mapes and W. M. Owen. No. 1,060,991; May 6; Gaz. vol. 190; p. 150.
- Lamp, Traffic and rear-end signal-. H. W. Sweeting. No. 1,074,024; Sept. 23; Gaz. vol. 194; p. 902.
- Lamp, Vapor-. R. A. Astley. No. 1,050,199; Jan. 14; Gaz. vol. 186; p. 332.
- Lamp, Vapor-. C. Comes. No. 1,057,120; Mar. 25; Gaz. vol. 188; p. 937.
- Lamp, Vapor-. E. Seitz. No. 1,064,018; June 10; Gaz. vol. 191; p. 325.
- Lamp, Vapor-. W. Liedke. No. 1,070,349; Aug. 12; Gaz. vol. 193; p. 462.
- Lamp, Vapor-burning. A. G. Adamson and A. J. D. Kitson. No. 1,058,516; Apr. 8; Gaz. vol. 189; p. 430.
- Lamp, Vapor electric. O. O. Kruh. No. 1,079,708; Nov. 25; Gaz. vol. 196; p. 943.
- Lamp, Vapor-generating. F. R. Marks. No. 1,067,875; July 22; Gaz. vol. 192; p. 777.
- Lamp, Vehicle-. J. E. Allen. No. 1,054,162; Feb. 25; Gaz. vol. 187; p. 905.
- Lamp, Vehicle-. G. G. Greenberg. No. 1,065,444; June 24; Gaz. vol. 191; p. 878.
- Lamp, Vehicle-. C. W. Bergener. No. 1,067,965; July 22; Gaz. vol. 192; p. 806.
- Lamp, Vehicle-. A. E. MacDonald. No. 1,083,112; Dec. 30; Gaz. vol. 197; p. 1220.
- Lamps, Air-distributor for central-draft. W. A. Penfield. No. 1,082,284; Dec. 23; Gaz. vol. 197; p. 905.
- Lamps and stoves, Air-distributor for. S. B. Morss. No. 1,064,521; June 10; Gaz. vol. 191; p. 497.
- Lamps and the like, Arrangement for automatically lighting and extinguishing. M. V. Bröndum. No. 1,053,004; Feb. 11; Gaz. vol. 187; p. 428.
- Lamps, Apparatus for operating mercury-vapor. F. H. von Keller. No. 1,070,345; Aug. 12; Gaz. vol. 193; p. 461.
- Lamps, Apparatus for repairing electric metallic-filament. O. Arendt and C. Schlesinger. No. 1,061,583; May 13; Gaz. vol. 190; p. 388.
- Lamps, Arrangement of incandescent filaments in electric. O. Krause. No. 1,069,707; Aug. 12; Gaz. vol. 193; p. 242.
- Lamps, Automatic starting device for vapor-. P. C. Hewitt. No. 1,064,690; June 10; Gaz. vol. 191; p. 555.
- Lamps, Carbon-holder for arc-. M. C. Warren. No. 1,054,063; Feb. 25; Gaz. vol. 187; p. 871.
- Lamps, Contact device for hand-. L. Maisel. No. 1,082,887; Dec. 30; Gaz. vol. 197; p. 1146.
- Lamps, Detachable shade-holder for electric. P. H. Robinson. No. 1,078,878; Nov. 18; Gaz. vol. 196; p. 628.
- Lamps, Guiding apparatus for automobile-. G. L. Berg. No. 1,053,938; Feb. 18; Gaz. vol. 187; p. 791.
- Lamps, Igniting device for miners' safety-. P. Wolf. No. 1,052,783; Feb. 11; Gaz. vol. 187; p. 352.
- Lamps, Manufacture of incandescent bodies of metallic tungsten or molybdenum for electric incandescent. A. Lederer. No. 1,079,777; Nov. 25; Gaz. vol. 196; p. 970.
- Lamps, Means for photometering electric. H. S. Dunning and W. G. Houskeeper. No. 1,057,415; Apr. 1; Gaz. vol. 189; p. 9.
- Lamps or other electric apparatus, Connection for. A. Dénéreaz. No. 1,067,005; July 8; Gaz. vol. 192; p. 410.
- Lamps, Outfit for alternating-current vapor-. P. H. Thomas. No. 1,079,379; Nov. 25; Gaz. vol. 196; p. 830.
- Lamps, Process and device for lighting submerged ultraviolet-ray sterilizing. P. G. Triquet. No. 1,059,786; Apr. 22; Gaz. vol. 189; p. 938.
- Lamps, Pull-socket for electric. F. Barr. No. 1,053,553; Feb. 18; Gaz. vol. 187; p. 662.
- Lamps, Regenerating electric glow-. E. A. Krüger. No. 1,052,065; Feb. 4; Gaz. vol. 187; p. 76.
- Lamps, Setting mechanism for automobile-. J. Watzelhan. No. 1,068,191; July 22; Gaz. vol. 192; p. 883.
- Lamps, Shade-holder for incandescent electric and other. D. G. Saunders, Jr. No. 1,053,538; Feb. 18; Gaz. vol. 187; p. 657.

Alphabetical list of inventions—Continued.

- Lamps, Shunt-circuit tilting device for mercury-vapor. R. Kuch. No. 1,063,557; June 3; Gaz. vol. 191; p. 131.
- Lamps, Socket and terminal connection for electric. W. C. Tregoning. No. 1,075,613; Oct. 14; Gaz. vol. 195; p. 381.
- Lamps, Street-hood for electric. G. T. Dunklin. No. 1,065,669; June 24; Gaz. vol. 191; p. 954.
- Lamps, Suspension-coupling for arc-. B. Bruders. No. 1,073,566; Sept. 16; Gaz. vol. 194; p. 723.
- Lamps, Torpedo and fusee holder for. F. Burgener. No. 1,071,662; Aug. 26; Gaz. vol. 193; p. 977.
- Lamps, Valve mechanism for gas-. F. J. and H. R. Humphrey. No. 1,082,954; Dec. 30; Gaz. vol. 197; p. 1168.
- Lamps, Wall-support for bracket-. T. Lemirand. No. 1,076,588; Oct. 21; Gaz. vol. 195; p. 746.
- Lamps, Wick-tube for alcohol-. C. Nelson. No. 1,077,364; Nov. 4; Gaz. vol. 196; p. 43.
- Land-anchor. O. C. Warrick. No. 1,052,700; Feb. 11; Gaz. vol. 187; p. 324.
- Land clearing and plowing apparatus. Forest-. T. J. Gee. No. 1,049,697; Jan. 7; Gaz. vol. 186; p. 130.
- Land-clearing apparatus. G. M. zu Jerrendorf. No. 1,054,351; Feb. 25; Gaz. vol. 187; p. 970.
- Land-leveler. J. M. Roberts. No. 1,073,287; Sept. 16; Gaz. vol. 194; p. 627.
- Land, Means for improving. R. H. Sparks. No. 1,083,148; Dec. 30; Gaz. vol. 197; p. 1231.
- Land-roller. A. H. Smithson. No. 1,051,924; Feb. 4; Gaz. vol. 187; p. 26.
- Land-roller. F. H. Stoner. No. 1,056,851; Mar. 25; Gaz. vol. 188; p. 843.
- Land-roller. L. E. Waterman. No. 1,064,265; June 10; Gaz. vol. 191; p. 409.
- Land-roller. J. W. Davis. No. 1,065,785; June 24; Gaz. vol. 191; p. 992.
- Land-roller. A. Presnell. No. 1,067,677; July 15; Gaz. vol. 192; p. 677.
- Land-roller. M. Anderson. No. 1,073,460; Sept. 16; Gaz. vol. 194; p. 688.
- Land-roller. G. Trompeter. No. 1,075,676; Oct. 14; Gaz. vol. 195; p. 402.
- Land-roller and harrow, Combined. J. Hist. No. 1,069,660; Aug. 5; Gaz. vol. 193; p. 196.
- Land roller or pulverizer. W. J. Dunham. No. 1,082,739; Dec. 30; Gaz. vol. 197; p. 1094.
- Land roller or pulverizer. J. Hist. No. 1,082,806; Dec. 30; Gaz. vol. 197; p. 1118.
- Land roller, packer, and pulverizer. W. L. Keller. No. 1,069,264; Aug. 5; Gaz. vol. 193; p. 63.
- Lantern. A. J. Hulett. No. 1,053,511; Feb. 18; Gaz. vol. 187; p. 647.
- Lantern. A. H. Handlan, Jr. No. 1,055,036; Mar. 4; Gaz. vol. 188; p. 131.
- Lantern. P. Spurgin. No. 1,057,364; Mar. 25; Gaz. vol. 188; p. 1018.
- Lantern. W. S. Hamm. No. 1,057,421; Apr. 1; Gaz. vol. 189; p. 10.
- Lantern. F. Persky. No. 1,057,770; Apr. 1; Gaz. vol. 189; p. 127.
- Lantern. A. D. Craig. No. 1,061,454; May 13; Gaz. vol. 190; p. 341.
- Lantern. P. J. Rooney. No. 1,062,037; May 20; Gaz. vol. 190; p. 578.
- Lantern. A. H. Andersen. No. 1,062,755; May 27; Gaz. vol. 190; p. 859.
- Lantern. T. L. Moore. No. 1,063,055; May 27; Gaz. vol. 190; p. 958.
- Lantern. F. N. Thiel. No. 1,067,495; July 15; Gaz. vol. 192; p. 616.
- Lantern. C. Bergener. No. 1,067,963; July 22; Gaz. vol. 192; p. 805.
- Lantern. W. C. H. Wefel. No. 1,068,718; July 29; Gaz. vol. 192; p. 1105.
- Lantern. F. W. Dressel. No. 1,069,605; Aug. 5; Gaz. vol. 193; p. 177.
- Lantern. W. E. Frost. No. 1,071,151; Aug. 26; Gaz. vol. 193; p. 806.
- Lantern. J. R. Cravath. No. 1,081,580; Dec. 16; Gaz. vol. 197; p. 636.
- Lantern. J. A. Neill. No. 1,082,896; Dec. 30; Gaz. vol. 197; p. 1149.
- Lantern attachment. W. W. Eastman. No. 1,081,028; Dec. 9; Gaz. vol. 197; p. 415.
- Lantern-bail holder. J. S. Pixley. No. 1,070,626; Aug. 19; Gaz. vol. 193; p. 599.
- Lantern-bracket for vehicles. J. P. Kline. No. 1,074,272; Sept. 30; Gaz. vol. 194; p. 1013.
- Lantern-burner. F. Dietz. No. 1,067,593; July 15; Gaz. vol. 192; p. 648.
- Lantern-carrier. J. L. O'Neil. No. 1,051,438; Jan. 28; Gaz. vol. 186; p. 824.
- Lantern, Catoptric. J. A. Rey. No. 1,066,419; July 1; Gaz. vol. 192; p. 178.
- Lantern, Dark-room. G. M. Fiedler. No. 1,077,694; Nov. 4; Gaz. vol. 196; p. 156.
- Lantern, Electric safety-. H. C. Hubbell. No. 1,056,683; Mar. 18; Gaz. vol. 188; p. 755.
- Lantern-globe. J. W. McCrone. No. 1,063,053; May 27; Gaz. vol. 190; p. 958.
- Lantern-holder. J. E. Potter. No. 1,055,556; Mar. 11; Gaz. vol. 188; p. 338.
- Lantern-holder. C. A. Aiken. No. 1,057,698; Apr. 1; Gaz. vol. 189; p. 103.
- Lantern or lamp. C. C. Briand. No. 1,062,220; May 20; Gaz. vol. 190; p. 641.
- Lantern, Railway signal-. A. A. Ziegler. No. 1,082,577; Dec. 30; Gaz. vol. 197; p. 1037.
- Lantern-stand plate. I. Smith. No. 1,059,321; Apr. 15; Gaz. vol. 189; p. 745.
- Lantern, Tubular. F. Dietz. No. 1,067,509; July 15; Gaz. vol. 192; p. 620.
- Lantern, Tubular. C. W. Bergener. No. 1,067,964; July 22; Gaz. vol. 192; p. 806.
- Lantern, Tubular. C. L. Betts. No. 1,067,966; July 22; Gaz. vol. 192; p. 806.
- Lantern, Tubular. C. L. Betts. No. 1,067,967; July 22; Gaz. vol. 192; p. 807.
- Lantern, Tubular. C. L. Betts. No. 1,067,968; July 22; Gaz. vol. 192; p. 807.
- Lantern, Tubular. R. P. Throne. No. 1,068,026; July 22; Gaz. vol. 192; p. 827.
- Lantern, Tubular. C. W. Bergener. No. 1,069,370; Aug. 5; Gaz. vol. 193; p. 99.
- Lantern, Tubular. W. McArthur, Jr. No. 1,070,152; Aug. 12; Gaz. vol. 193; p. 396.
- Lantern, Tubular. W. McArthur, Jr. No. 1,070,153; Aug. 12; Gaz. vol. 193; p. 396.
- Lantern, Tubular. W. McArthur, Jr. No. 1,070,154; Aug. 12; Gaz. vol. 193; p. 396.
- Lantern, Tubular. W. McArthur, Jr. No. 1,070,155; Aug. 12; Gaz. vol. 193; p. 397.
- Lantern, Tubular. W. McArthur, Jr. No. 1,070,276; Aug. 12; Gaz. vol. 193; p. 437.
- Lantern, Tubular. C. Bergener. No. 1,072,688; Sept. 9; Gaz. vol. 194; p. 376.
- Lantern, Tubular. C. L. Betts. No. 1,073,465; Sept. 16; Gaz. vol. 194; p. 689.
- Lantern, Tubular. A. L. Edwards. No. 1,076,356; Oct. 21; Gaz. vol. 195; p. 663.
- Lantern, Tubular. A. L. Edwards. No. 1,083,204; Dec. 30; Gaz. vol. 197; p. 1247.
- Lap-board, Work-holding. V. M. Griffin. No. 1,059,606; Apr. 22; Gaz. vol. 189; p. 878.
- Lap-machine safety device. A. W. Bell. No. 1,056,771; Mar. 25; Gaz. vol. 188; p. 817.
- Lap-robe. G. Sullivan. No. 1,074,389; Sept. 30; Gaz. vol. 194; p. 1053.
- Lap-robe for automobiles, &c. L. W. House. No. 1,073,237; Sept. 16; Gaz. vol. 194; p. 609.
- Lapping mechanism of openers, scutchers, and like machines. F. Barlow. No. 1,062,757; May 27; Gaz. vol. 190; p. 859.
- Lard-cutter. A. W. Blaul and L. Harmison. No. 1,065,108; June 17; Gaz. vol. 191; p. 727.
- Lard-extracting machine. H. E. Paolucci. No. 1,083,129; Dec. 30; Gaz. vol. 197; p. 1226.
- Lard-finisher. C. Naegelen. No. 1,070,909; Aug. 19; Gaz. vol. 193; p. 692.
- Lard from hog-middles, Producing edible. E. F. Bloss. No. 1,063,107; May 27; Gaz. vol. 190; p. 975.
- Larding-pin. M. Ehrlich. No. 1,060,440; Apr. 29; Gaz. vol. 189; p. 1204.
- Lariat-noose clip. A. E. Westberg. No. 1,075,179; Oct. 7; Gaz. vol. 195; p. 203.
- Last. R. C. Simmons. No. 1,059,081; Apr. 15; Gaz. vol. 189; p. 664.
- Last. W. A. Krentler. No. 1,060,462; Apr. 29; Gaz. vol. 189; p. 1211.
- Last. J. Rakonick. No. 1,067,136; July 8; Gaz. vol. 192; p. 455.
- Last. W. A. Krentler. No. 1,067,742; July 15; Gaz. vol. 192; p. 699.
- Last. M. Rossovits. No. 1,068,009; July 22; Gaz. vol. 192; p. 821.
- Last. H. A. Ballard. No. 1,080,521; Dec. 2; Gaz. vol. 197; p. 211.
- Last, Arrangement for binding uppers on the. L. Heilbrunn and F. Friese. No. 1,051,954; Feb. 4; Gaz. vol. 187; p. 37.
- Last, Binding uppers on the. L. Heilbrunn and F. Friese. No. 1,051,955; Feb. 4; Gaz. vol. 187; p. 38.
- Last, Collapsible. A. L. Stroberg. No. 1,054,471; Feb. 25; Gaz. vol. 187; p. 1011.
- Last, Collapsible. J. D. Fadden. No. 1,071,901; Sept. 2; Gaz. vol. 194; p. 81.
- Last for binding uppers. L. Heilbrunn and F. Friese. No. 1,051,581; Jan. 28; Gaz. vol. 186; p. 874.
- Last-locking means. A. W. Redin. No. 1,066,049; July 1; Gaz. vol. 192; p. 51.
- Last, Machine for working an upper over a. E. Brothers. No. 1,055,016; Mar. 4; Gaz. vol. 188; p. 123.
- Last-making machine. E. J. Prindle. No. 1,069,173; Aug. 5; Gaz. vol. 193; p. 29.
- Last-reshaping mechanism. M. H. Lyons. No. 1,069,797; Aug. 12; Gaz. vol. 193; p. 274.
- Last, Shoe-. J. S. Busky, Sr. No. 1,078,251; Nov. 11; Gaz. vol. 196; p. 378.
- Last, Shoe-drying. W. J. Burke. No. 1,057,801; Apr. 1; Gaz. vol. 189; p. 139.

Alphabetical list of inventions—Continued.

- Lasts, Making. R. C. Simmons. No. 1,059,082; Apr. 15; Gaz. vol. 189; p. 664.
 Lasting and wiring mechanism. End. M. Brock. No. 1,066,376; July 1; Gaz. vol. 192; p. 165.
 Lasting device for boot-making. P. Hammes. No. 1,067,917; July 22; Gaz. vol. 192; p. 790.
 Lasting-machine. P. R. Glass. (Reissue.) No. 13,505; Jan. 7; Gaz. vol. 186; p. 262.
 Lasting-machine. W. A. Bond. No. 1,055,256; Mar. 4; Gaz. vol. 188; p. 200.
 Lasting-machine. E. E. Winkley. No. 1,057,606; Apr. 1; Gaz. vol. 189; p. 72.
 Lasting-machine. E. E. Winkley. No. 1,057,607; Apr. 1; Gaz. vol. 189; p. 72.
 Lasting-machine. G. H. Clark. No. 1,057,804; Apr. 1; Gaz. vol. 189; p. 140.
 Lasting-machine. A. L. Russell. No. 1,060,130; Apr. 29; Gaz. vol. 189; p. 1093.
 Lasting-machine. A. L. Russell. No. 1,060,711; May 6; Gaz. vol. 190; p. 52.
 Lasting-machine. A. Bates. No. 1,060,967; May 6; Gaz. vol. 190; p. 141.
 Lasting-machine. M. Brock. No. 1,066,375; July 1; Gaz. vol. 192; p. 165.
 Lasting-machine. W. A. Bond. No. 1,066,879; July 8; Gaz. vol. 192; p. 368.
 Lasting-machine. E. I. Chapelle. No. 1,077,411; Nov. 4; Gaz. vol. 196; p. 61.
 Lasting-machine. M. Brock. No. 1,079,930; Dec. 2; Gaz. vol. 197; p. 3.
 Lasting-machine. E. A. Stiggins. No. 1,081,872; Dec. 16; Gaz. vol. 197; p. 734.
 Lasting-machine, Bed-. T. G. Plant. (Reissue.) No. 13,507; Jan. 7; Gaz. vol. 186; p. 265.
 Lasting-machine speed-controlling mechanism. M. Brock. No. 1,072,694; Sept. 9; Gaz. vol. 194; p. 379.
 Lasting mechanism. End-. B. F. Stuber. No. 1,053,674; Feb. 18; Gaz. vol. 187; p. 703.
 Lasting mechanism. End-. A. L. Russell. No. 1,080,235; Dec. 2; Gaz. vol. 197; p. 111.
 Lasting mechanism for welt-shoes. End-. M. Brock. No. 1,082,620; Dec. 30; Gaz. vol. 197; p. 1053.
 Lasting mechanism. Toe-. M. Brock. No. 1,066,377; July 1; Gaz. vol. 192; p. 166.
 Lasting-strip. W. B. Keighley. No. 1,073,570; Sept. 16; Gaz. vol. 194; p. 724.
 Lasting-tool. F. D. Crosier. No. 1,054,089; Feb. 25; Gaz. vol. 187; p. 879.
 Lasting wiper. End-. W. A. Stubbs. No. 1,079,584; Nov. 25; Gaz. vol. 196; p. 901.
 Latch. R. E. Green. No. 1,050,941; Jan. 21; Gaz. vol. 186; p. 624.
 Latch. F. T. Durner. No. 1,058,952; Apr. 15; Gaz. vol. 189; p. 618.
 Latch. J. W. Riggs. No. 1,065,172; June 17; Gaz. vol. 191; p. 746.
 Latch. C. J. Parsons. No. 1,066,141; July 1; Gaz. vol. 192; p. 83.
 Latch. W. H. Appleby. No. 1,069,753; Aug. 12; Gaz. vol. 193; p. 259.
 Latch. J. N. Johnson. No. 1,069,878; Aug. 12; Gaz. vol. 193; p. 302.
 Latch. G. A. Benz. No. 1,070,393; Aug. 19; Gaz. vol. 193; p. 520.
 Latch. O. and A. Schlatz. No. 1,071,802; Sept. 2; Gaz. vol. 194; p. 47.
 Latch. F. C. Altmann. No. 1,074,340; Sept. 30; Gaz. vol. 194; p. 1036.
 Latch. E. L. Scott. No. 1,074,750; Oct. 7; Gaz. vol. 195; p. 57.
 Latch and lock for doors. Combined. E. W. Case. No. 1,073,736; Sept. 23; Gaz. vol. 194; p. 806.
 Latch and lock. Gate. T. L. Johnson. No. 1,074,181; Sept. 30; Gaz. vol. 194; p. 984.
 Latch, Automatic barn-door. G. H. Peck. No. 1,049,390; Jan. 7; Gaz. vol. 186; p. 25.
 Latch, Automatic sliding-door. C. A. Keel. No. 1,057,433; Apr. 1; Gaz. vol. 189; p. 14.
 Latch, Ball-. E. F. Dupart. No. 1,069,932; Aug. 12; Gaz. vol. 193; p. 320.
 Latch device for windows, &c. C. F. Courson. No. 1,071,509; Aug. 26; Gaz. vol. 193; p. 926.
 Latch, Door-. F. N. Handler. No. 1,054,290; Feb. 25; Gaz. vol. 187; p. 947.
 Latch, Door-. E. W. Meyer. No. 1,054,978; Mar. 4; Gaz. vol. 188; p. 111.
 Latch, Door-. E. S. Hubbell. No. 1,055,535; Mar. 11; Gaz. vol. 188; p. 332.
 Latch, Door-. H. Smith. No. 1,061,878; May 13; Gaz. vol. 190; p. 482.
 Latch, Door-. J. Diehl. No. 1,064,891; June 17; Gaz. vol. 191; p. 656.
 Latch, Door-. T. J. Kehoe and C. F. Green. No. 1,066,501; July 8; Gaz. vol. 192; p. 237.
 Latch, Door-. J. S. Underwood. No. 1,068,466; July 29; Gaz. vol. 192; p. 1018.
 Latch, Door-. F. Becker. No. 1,071,862; Sept. 2; Gaz. vol. 194; p. 67.
 Latch, Door-. B. H. Klister and P. Vandehey. No. 1,075,653; Oct. 14; Gaz. vol. 195; p. 395.
 Latch for elevator-doors. B. Wexler. No. 1,072,064; Sept. 2; Gaz. vol. 194; p. 134.
 Latch for end-gates of mining-cars and the like. I. K. Beaver. No. 1,064,278; June 10; Gaz. vol. 191; p. 414.
 Latch, Gate-. H. T. Clark, Jr. No. 1,049,953; Jan. 7; Gaz. vol. 186; p. 46.
 Latch, Gate-. O. E. Hester. No. 1,052,664; Feb. 11; Gaz. vol. 187; p. 312.
 Latch, Gate-. A. A. Sauter. No. 1,053,651; Feb. 18; Gaz. vol. 187; p. 695.
 Latch, Gate-. J. T. Wren. No. 1,053,765; Feb. 18; Gaz. vol. 187; p. 734.
 Latch, Gate-. G. B. Brace. No. 1,057,522; Apr. 1; Gaz. vol. 189; p. 43.
 Latch, Gate-. A. R. Green. No. 1,060,546; Apr. 29; Gaz. vol. 189; p. 1240.
 Latch, Gate-. J. L. Powers. No. 1,060,557; Apr. 29; Gaz. vol. 189; p. 1244.
 Latch, Gate-. P. H. Wilson. No. 1,061,793; May 13; Gaz. vol. 190; p. 456.
 Latch, Gate-. C. Moore. No. 1,062,110; May 20; Gaz. vol. 190; p. 604.
 Latch, Gate-. A. M. Tyler. No. 1,071,480; Aug. 26; Gaz. vol. 193; p. 917.
 Latch, Gate-. W. W. Prince. No. 1,074,013; Sept. 23; Gaz. vol. 194; p. 899.
 Latch, Gate-. F. Slattery. No. 1,078,964; Nov. 18; Gaz. vol. 196; p. 655.
 Latch, Gate-. L. Conrad. No. 1,082,408; Dec. 23; Gaz. vol. 197; p. 946.
 Latch, Gate or door. J. S. Kirkpatrick. No. 1,071,058; Aug. 26; Gaz. vol. 193; p. 777.
 Latch, Hydraulic. J. L. Garnett. No. 1,077,062; Oct. 28; Gaz. vol. 195; p. 966.
 Latch, Key-holder. E. Birkle, Jr. No. 1,055,510; Mar. 11; Gaz. vol. 188; p. 325.
 Latch mechanism. J. H. O'Neill and M. T. Coleman. No. 1,063,466; June 3; Gaz. vol. 191; p. 99.
 Latch, Night-. W. E. Sparks. No. 1,059,915; Apr. 22; Gaz. vol. 189; p. 978.
 Latch-operating mechanism for vehicle-doors. W. M. Simmons. No. 1,072,048; Sept. 2; Gaz. vol. 194; p. 129.
 Latch-releasing device. Door-. C. R. Brunnacker. No. 1,070,402; Aug. 19; Gaz. vol. 193; p. 523.
 Latch, Reversible. A. A. Page. No. 1,057,663; Apr. 1; Gaz. vol. 189; p. 91.
 Latch, Shock-absorbing door and gate. T. Connor. No. 1,055,613; Mar. 11; Gaz. vol. 188; p. 357.
 Latch, Shop-door. H. M. Whitcomb. No. 1,064,800; June 17; Gaz. vol. 191; p. 626.
 Latch, Shutter-hinge. J. B. Wright and F. O. Lawson. No. 1,077,780; Nov. 4; Gaz. vol. 196; p. 185.
 Latch, Sliding-door. G. W. Merritt. No. 1,075,367; Oct. 14; Gaz. vol. 195; p. 295.
 Latch, Spring-. C. L. Frost. No. 1,075,028; Oct. 7; Gaz. vol. 195; p. 151.
 Latch, Vestibule-. G. N. Mason. No. 1,062,176; May 20; Gaz. vol. 190; p. 626.
 Latch, Window-. J. G. Stanecky. No. 1,070,377; Aug. 12; Gaz. vol. 193; p. 473.
 Latch, Window-. G. Erz. No. 1,072,593; Sept. 9; Gaz. vol. 194; p. 344.
 Latches, Lever-handle for door-. A. A. Page. No. 1,050,996; Jan. 21; Gaz. vol. 186; p. 643.
 Latches of emergency-doors, &c. Means for operating the. D. S. Pratt. No. 1,056,937; Mar. 25; Gaz. vol. 188; p. 874.
 Lath. J. H. Leist. No. 1,061,389; May 13; Gaz. vol. 190; p. 318.
 Lath and shingle machine. Combination. H. M. Lofton. No. 1,059,376; Apr. 22; Gaz. vol. 189; p. 800.
 Lath-bolter. M. L. Peterman. No. 1,077,551; Nov. 4; Gaz. vol. 196; p. 109.
 Lath fastener, Metal-. G. A. Sagendorph. No. 1,068,081; July 22; Gaz. vol. 192; p. 846.
 Lath-holder. J. F. Bowerman. No. 1,057,799; Apr. 1; Gaz. vol. 189; p. 138.
 Lath-machine. T. H. Hyde. No. 1,057,346; Mar. 25; Gaz. vol. 188; p. 1012.
 Lath, Metal. W. M. Goldsmith. No. 1,077,404; Nov. 4; Gaz. vol. 196; p. 58.
 Lathing. A. P. White. No. 1,049,629; Jan. 7; Gaz. vol. 186; p. 108.
 Lathing device. W. W. Palmer. No. 1,068,923; July 29; Gaz. vol. 192; p. 1178.
 Lathing to beams, girders, and the like in building construction. Clip for fastening certain forms of metallic. H. E. White. No. 1,075,802; Oct. 14; Gaz. vol. 195; p. 445.
 Lathe. H. J. Duncan. No. 1,061,459; May 13; Gaz. vol. 190; p. 342.
 Lathe. F. H. Wicks and C. Goodman. No. 1,061,891; May 13; Gaz. vol. 190; p. 486.
 Lathe. J. Hartness. No. 1,063,682; June 3; Gaz. vol. 191; p. 179.
 Lathe. J. Feige. No. 1,075,246; Oct. 7; Gaz. vol. 195; p. 227.
 Lathe. C. F. Roth. No. 1,082,652; Dec. 30; Gaz. vol. 197; p. 1063.

Alphabetical list of inventions—Continued.

- Lathe-actuating mechanism. R. K. Le Blond and W. F. Groene. No. 1,067,260; July 15; Gaz. vol. 192; p. 535.
- Lathe attachment. W. W. Blakely and W. S. Miller. No. 1,050,263; Jan. 14; Gaz. vol. 186; p. 354.
- Lathe attachment. B. S. Wood. No. 1,052,116; Feb. 4; Gaz. vol. 187; p. 95.
- Lathe attachment. H. W. and E. H. Harrison. No. 1,067,218; July 8; Gaz. vol. 192; p. 485.
- Lathe attachment. W. S. Norton. No. 1,078,745; Nov. 18; Gaz. vol. 196; p. 581.
- Lathe attachment. R. Jantsch. No. 1,079,494; Nov. 25; Gaz. vol. 196; p. 869.
- Lathe attachment, Buffing-. C. Conner. No. 1,076,022; Oct. 21; Gaz. vol. 195; p. 548.
- Lathe attachment, Screw-cutting-. A. J. Peterson. No. 1,075,301; Oct. 7; Gaz. vol. 195; p. 248.
- Lathe attachment, Turning-. G. R. Bennett. No. 1,054,387; Feb. 25; Gaz. vol. 187; p. 982.
- Lathe, Automatic turning-. J. R. Binns. No. 1,062,319; May 20; Gaz. vol. 190; p. 675.
- Lathe, Automatic turret-. J. C. Potter. No. 1,072,648; Sept. 9; Gaz. vol. 194; p. 363.
- Lathe, Automatic turret-. W. L. Miller. No. 1,081,396; Dec. 16; Gaz. vol. 197; p. 576.
- Lathe-clamp or the like. G. Amborn. No. 1,057,610; Apr. 1; Gaz. vol. 189; p. 74.
- Lathe-dog, Safety. F. L. Schultz and A. Kanleski. No. 1,066,760; July 8; Gaz. vol. 192; p. 330.
- Lathe-dog, Safety. K. Gulbrandsen. No. 1,066,899; July 8; Gaz. vol. 192; p. 375.
- Lathe, Engine-. I. Osgood. No. 1,064,988; June 17; Gaz. vol. 191; p. 688.
- Lathe, Last-turning. G. Clausing. No. 1,052,217; Feb. 4; Gaz. vol. 187; p. 129.
- Lathe relieving attachment. A. M. Sosa. No. 1,081,470; Dec. 16; Gaz. vol. 197; p. 601.
- Lathe step-gearing. A. L. McGill. No. 1,052,163; Feb. 4; Gaz. vol. 187; p. 111.
- Lathe, Thread-cutting. W. F. Andricks. No. 1,064,590; June 10; Gaz. vol. 191; p. 521.
- Lathe-tool. C. Maier. No. 1,056,429; Mar. 18; Gaz. vol. 188; p. 668.
- Lathe tool-holder. V. H. Anderson. No. 1,063,903; June 3; Gaz. vol. 191; p. 251.
- Lathe tool-holder. F. D. Van Norman. (Reissue.) No. 1,3584; June 24; Gaz. vol. 191; p. 1040.
- Lathe, Turning-. C. F. Hüther, Jr. No. 1,073,901; Sept. 23; Gaz. vol. 194; p. 861.
- Lathe, Turret-. J. Hartness and G. A. Perry. No. 1,056,332; Mar. 18; Gaz. vol. 188; p. 634.
- Lathe, Turret-. C. B. Atwood. No. 1,068,728; July 29; Gaz. vol. 192; p. 1108.
- Lathe, Turret-. J. C. Potter and J. Johnston. No. 1,074,561; Sept. 30; Gaz. vol. 194; p. 1107.
- Lathe work-holder. A. G. Brunton. No. 1,078,484; Nov. 11; Gaz. vol. 196; p. 460.
- Lathe-work, Truing-tool for. C. F. Urban. No. 1,082,714; Dec. 30; Gaz. vol. 197; p. 1086.
- Lathes and other machines, Collet for. C. F. Schultis. No. 1,076,710; Oct. 28; Gaz. vol. 195; p. 842.
- Lathes, Automatic cross-slide feed-trip for. W. L. Miller. No. 1,072,484; Sept. 9; Gaz. vol. 194; p. 306.
- Lathes, Back-facing device for. W. L. Miller. No. 1,051,151; Jan. 21; Gaz. vol. 186; p. 696.
- Lathes, Drill-socket attachment for. C. A. Palmgren. No. 1,050,385; Jan. 14; Gaz. vol. 186; p. 397.
- Lathes, Driving-dog for car-wheel. E. G. Yeates. No. 1,057,107; Mar. 25; Gaz. vol. 188; p. 934.
- Lathes, Indexing device for crank-. A. M. Sosa. No. 1,081,993; Dec. 23; Gaz. vol. 197; p. 803.
- Lathes, Milling attachment for. J. J. Fuchs, Jr. No. 1,053,090; Feb. 11; Gaz. vol. 187; p. 459.
- Lathes of the turret type, Cross-slide of. H. Austin. No. 1,074,924; Oct. 7; Gaz. vol. 195; p. 114.
- Lathes, Steady-rest for. E. D. Sherrill. No. 1,059,225; Apr. 15; Gaz. vol. 189; p. 712.
- Lathes, Tail-foot for. B. D. Jackson. No. 1,078,857; Nov. 18; Gaz. vol. 196; p. 621.
- Lathes, &c., Tool-holder for. A. O'Keefe. No. 1,065,712; June 24; Gaz. vol. 191; p. 968.
- Lathes, Traverse grinding, milling, and drilling machine for. E. N. Moor. No. 1,073,698; Sept. 23; Gaz. vol. 194; p. 793.
- Latrine-seat shield. S. A. Holmes. No. 1,077,277; Nov. 4; Gaz. vol. 196; p. 12.
- Launching apparatus. A. B. Andreassen. No. 1,049,970; Jan. 7; Gaz. vol. 186; p. 220.
- Launching device. R. L. Scott. No. 1,069,905; Aug. 12; Gaz. vol. 193; p. 311.
- Laundry-drier. F. M. Watkins. No. 1,060,801; May 6; Gaz. vol. 190; p. 81.
- Laundry-iron. D. H. Turner. No. 1,076,926; Oct. 28; Gaz. vol. 195; p. 918.
- Laundry machinery. L. Judelson. No. 1,072,617; Sept. 9; Gaz. vol. 194; p. 352.
- Laundry-marking machine. C. W. Canine. No. 1,059,657; Apr. 22; Gaz. vol. 189; p. 894.
- Laundry-press. D. M. Cooper. No. 1,073,890; Sept. 23; Gaz. vol. 194; p. 858.
- Lavatory. T. A. Legge. No. 1,067,261; July 15; Gaz. vol. 192; p. 535.
- Lavatory. T. A. Legge. No. 1,080,702; Dec. 9; Gaz. vol. 197; p. 303.
- Lavatory-fixture. E. G. Watrous. No. 1,082,250; Dec. 23; Gaz. vol. 197; p. 892.
- Lavatory, Folding. G. E. Seymour. No. 1,078,314; Nov. 11; Gaz. vol. 196; p. 401.
- Lavatory, Sanitary. F. E. Corey. No. 1,069,233; Aug. 5; Gaz. vol. 193; p. 53.
- Lavatory, sink, &c. J. H. Danver. No. 1,070,424; Aug. 19; Gaz. vol. 193; p. 531.
- Lawn-chair. R. M. Powell. No. 1,056,450; Mar. 18; Gaz. vol. 188; p. 675.
- Lawn-edger. J. A. Johnson. No. 1,067,032; July 8; Gaz. vol. 192; p. 419.
- Lawn-edging implement. F. S. Fields. No. 1,060,445; Apr. 29; Gaz. vol. 189; p. 1205.
- Lawn-rake. A. P. Worthington. No. 1,070,868; Aug. 19; Gaz. vol. 193; p. 679.
- Lawn-sprinkler. F. W. Hopkins. No. 1,049,483; Jan. 7; Gaz. vol. 186; p. 55.
- Lawn-sprinkler. J. Price. No. 1,052,620; Feb. 11; Gaz. vol. 187; p. 298.
- Lawn-sprinkler. W. B. Sprowl. No. 1,056,847; Mar. 25; Gaz. vol. 188; p. 841.
- Lawn-sprinkler. B. F. Cathcart. No. 1,058,549; Apr. 8; Gaz. vol. 189; p. 441.
- Lawn-sprinkler. W. H. Smith. No. 1,067,886; July 22; Gaz. vol. 192; p. 780.
- Lawn-sprinkler. W. E. Eichhoff. No. 1,068,872; July 29; Gaz. vol. 192; p. 1161.
- Lawn-sprinkler. E. Wismar. No. 1,074,336; Sept. 30; Gaz. vol. 194; p. 1035.
- Lawn-sprinkler, Automatic. E. L. Nicholson. No. 1,079,574; Nov. 25; Gaz. vol. 196; p. 897.
- Lawn-sprinkling device. J. S. Hadden. No. 1,078,432; Nov. 11; Gaz. vol. 196; p. 443.
- Lawn-sprinkling device. J. S. Hadden. No. 1,078,543; Nov. 11; Gaz. vol. 196; p. 479.
- Lawn-trimmer. F. E. Stover. No. 1,057,015; Mar. 25; Gaz. vol. 188; p. 901.
- Lawn-trimmer. F. E. Stover. No. 1,071,110; Aug. 26; Gaz. vol. 193; p. 794.
- Lawn-trimmer. W. M. Norcross. No. 1,072,151; Sept. 2; Gaz. vol. 194; p. 166.
- Lawn-trimmer. T. J. Underwood. No. 1,082,570; Dec. 30; Gaz. vol. 197; p. 1035.
- Lay-boy. J. A. White. No. 1,057,601; Apr. 1; Gaz. vol. 189; p. 70.
- Leaching sacchariferous vegetables, Apparatus for. M. Paschen. No. 1,077,296; Nov. 4; Gaz. vol. 196; p. 18.
- Leaching-tank or filter. H. E. Kier. No. 1,058,869; Apr. 15; Gaz. vol. 189; p. 589.
- Lead and silver, Recovering. T. G. Timby. No. 1,056,383; Mar. 18; Gaz. vol. 188; p. 650.
- Lead and zinc, Separation of. J. Babé. No. 1,073,461; Sept. 16; Gaz. vol. 194; p. 688.
- Lead, Apparatus for producing sublimed. L. S. Hughes. No. 1,070,688; Aug. 19; Gaz. vol. 193; p. 621.
- Lead arsenate, Production of. F. Kaufler and A. Chwala. No. 1,056,340; Mar. 18; Gaz. vol. 188; p. 636.
- Lead arseniate, Making. C. B. Sprague. No. 1,064,023; June 10; Gaz. vol. 191; p. 327.
- Lead can be burnt, Manufacture of a product from which red. G. Jansen. No. 1,052,924; Feb. 11; Gaz. vol. 187; p. 402.
- Lead-copper composition. E. D. Gleason. No. 1,077,699; Nov. 4; Gaz. vol. 196; p. 157.
- Lead-copper compositions, Making. E. D. Gleason. No. 1,077,700; Nov. 4; Gaz. vol. 196; p. 157.
- Lead-copper-tin composition. E. D. Gleason. No. 1,077,698; Nov. 4; Gaz. vol. 196; p. 157.
- Lead-copper-tin compositions, Making. E. D. Gleason. No. 1,077,701; Nov. 4; Gaz. vol. 196; p. 157.
- Lead hydrates, Producing. T. G. Timby. No. 1,056,382; Mar. 18; Gaz. vol. 188; p. 650.
- Lead oxid, Manufacture of. G. V. Barton. No. 1,060,153; Apr. 29; Gaz. vol. 189; p. 1102.
- Lead oxids, Production of. O. W. Brown and A. R. Nees. No. 1,072,205; Sept. 2; Gaz. vol. 194; p. 183.
- Lead pigments, Manufacture of. C. D. Holley. No. 1,082,953; Dec. 30; Gaz. vol. 197; p. 1168.
- Lead, Producing white. E. Euston. No. 1,075,143; Oct. 7; Gaz. vol. 195; p. 191.
- Lead, Producing white. E. Euston. No. 1,079,481; Nov. 25; Gaz. vol. 196; p. 864.
- Lead-refining apparatus. J. F. Beattie. No. 1,078,408; Nov. 11; Gaz. vol. 196; p. 435.
- Leaf holder, Loose-. J. R. Haldeman. No. 1,076,570; Oct. 21; Gaz. vol. 195; p. 739.
- Leaf-inserter. B. H. Lancaster. No. 1,052,067; Feb. 4; Gaz. vol. 187; p. 76.
- Leaf inserter, Loose-. N. J. Fox. No. 1,060,074; Apr. 29; Gaz. vol. 189; p. 1075.
- Leaf-turner. W. A. Maier and H. Steinmetz. No. 1,057,565; Apr. 1; Gaz. vol. 189; p. 58.
- Leak-stopping composition. J. T. Thompson. No. 1,070,857; Aug. 19; Gaz. vol. 193; p. 676.

Alphabetical list of inventions—Continued.

- Leak-stopping compound. D. C. Olin. No. 1,056,575; Mar. 18; Gaz. vol. 188; p. 720.
- Leakage-reducing device. F. Schultheiss. No. 1,076,457; Oct. 21; Gaz. vol. 195; p. 699.
- Leather and leather-like products, Manufacture of. W. Spalteholz and K. Haring. No. 1,066,231; July 1; Gaz. vol. 192; p. 117.
- Leather, Artificial. G. C. L. Forel. No. 1,056,898; Mar. 25; Gaz. vol. 188; p. 860.
- Leather-board stock, Production of. A. L. Clapp. No. 1,063,958; June 10; Gaz. vol. 191; p. 304.
- Leather compound. F. W. Kremer. No. 1,065,691; June 24; Gaz. vol. 191; p. 962.
- Leather-cutting machine. W. Gordon. No. 1,082,628; Dec. 30; Gaz. vol. 197; p. 1056.
- Leather-cutting machine. J. B. Hadaway. No. 1,082,629; Dec. 30; Gaz. vol. 197; p. 1056.
- Leather-edge-polishing machine. H. Gaubatz. No. 1,063,427; June 3; Gaz. vol. 191; p. 87.
- Leather evening and grading machine. E. P. Nichols. No. 1,057,358; Mar. 25; Gaz. vol. 188; p. 1016.
- Leather evening and grading machine. E. P. Nichols. No. 1,058,623; Apr. 8; Gaz. vol. 189; p. 465.
- Leather flexible, Making. G. Basler. No. 1,062,947; May 27; Gaz. vol. 190; p. 924.
- Leather for the manufacture of cue-tips and the article produced thereby, Treating. W. C. Martin. No. 1,053,520; Feb. 18; Gaz. vol. 187; p. 651.
- Leather-marking machine. G. H. Lang. No. 1,065,257; June 17; Gaz. vol. 191; p. 775.
- Leather-molding machine. D. O. Nation. No. 1,064,159; June 10; Gaz. vol. 191; p. 374.
- Leather or fabric snipper. W. C. Hake. No. 1,052,053; Feb. 4; Gaz. vol. 187; p. 72.
- Leather or leather substitute and producing same. A. L. Clapp. No. 1,065,028; June 17; Gaz. vol. 191; p. 500.
- Leather or like stretching apparatus. I. H. Ellsworth. No. 1,053,978; Feb. 25; Gaz. vol. 187; p. 842.
- Leather packing. H. Talent. No. 1,073,181; Sept. 16; Gaz. vol. 194; p. 589.
- Leather product and manufacturing the same. C. Brandt. No. 1,064,048; June 10; Gaz. vol. 191; p. 335.
- Leather-rolling machine. G. A. Dobyne. No. 1,067,164; July 8; Gaz. vol. 192; p. 465.
- Leather-rolling machine. H. W. Winter. No. 1,080,943; Dec. 9; Gaz. vol. 197; p. 388.
- Leather-rolling machine. H. W. Winter. No. 1,081,479; Dec. 16; Gaz. vol. 197; p. 604.
- Leather-seasoning machine. C. E. Slocomb. No. 1,082,244; Dec. 23; Gaz. vol. 197; p. 890.
- Leather-skiving machine. P. J. Lapham. No. 1,050,218; Jan. 14; Gaz. vol. 186; p. 338.
- Leather-skiving machine. R. L. Felix. No. 1,069,684; Aug. 12; Gaz. vol. 193; p. 234.
- Leather-skiving machine. A. M. Alexander. No. 1,079,462; Nov. 25; Gaz. vol. 196; p. 858.
- Leather-skiving-machine knife. A. M. Alexander. No. 1,076,934; Oct. 28; Gaz. vol. 195; p. 921.
- Leather softener and making the same, Enamelled. L. L. Comeau. No. 1,049,674; Jan. 7; Gaz. vol. 186; p. 121.
- Leather-splitting machine. W. D. Quigley. No. 1,075,792; Oct. 14; Gaz. vol. 195; p. 441.
- Leather-staking machine. P. C. Daniels. No. 1,055,717; Mar. 11; Gaz. vol. 188; p. 392.
- Leather-staking machine. E. J. F. Quirin. No. 1,070,731; Aug. 19; Gaz. vol. 193; p. 634.
- Leather-staking machine. P. Bobacek. No. 1,074,348; Sept. 30; Gaz. vol. 194; p. 1039.
- Leather, Treating iron-tanned. J. Bystrom. No. 1,061,597; May 13; Gaz. vol. 190; p. 392.
- Leather-treating machine. G. V. Anderson. No. 1,064,329; Feb. 25; Gaz. vol. 187; p. 961.
- Leather-treating machine. G. V. Anderson. No. 1,073,064; Sept. 9; Gaz. vol. 194; p. 511.
- Leather-working machine. G. A. Dobyne. No. 1,067,165; July 8; Gaz. vol. 192; p. 465.
- Leather-working machine. F. Wayland. No. 1,077,207; Oct. 28; Gaz. vol. 195; p. 1010.
- Leather-working machine. A. Hodges and F. Cooper. No. 1,077,346; Nov. 4; Gaz. vol. 196; p. 37.
- Leather-working-machine sectional roll. A. H. Kehrhaun. No. 1,066,913; July 8; Gaz. vol. 192; p. 380.
- Leather-working machines, Hollow work-support for. H. A. Holder. No. 1,058,749; Apr. 15; Gaz. vol. 189; p. 547.
- Leather-working machines, Pneumatic roll for. H. A. Holder. No. 1,067,607; July 15; Gaz. vol. 192; p. 652.
- Lecith-albumin compound and making the same. R. Adler. No. 1,057,316; Mar. 25; Gaz. vol. 188; p. 1003.
- Lecithin, Obtaining tasteless and inodorous. H. Buer. No. 1,055,514; Mar. 11; Gaz. vol. 188; p. 326.
- Ledger-plates, Fastener for. G. E. Rodman. No. 1,075,271; Oct. 7; Gaz. vol. 195; p. 237.
- Leer. R. H. Miller. No. 1,070,509; Aug. 19; Gaz. vol. 193; p. 560.
- Leer. V. Mulholland. No. 1,071,331; Aug. 26; Gaz. vol. 193; p. 867.
- Leg, Artificial. J. W. Hodge and H. E. La Plant. No. 1,049,862; Jan. 7; Gaz. vol. 186; p. 185.
- Leg, Artificial. S. R. Anderson. No. 1,063,175; May 27; Gaz. vol. 190; p. 998.
- Leg, Artificial. F. Buchstein. No. 1,066,882; July 8; Gaz. vol. 192; p. 369.
- Leg, Artificial. J. T. Apgar. No. 1,082,255; Dec. 23; Gaz. vol. 197; p. 894.
- Leg, Artificial. J. T. Apgar. No. 1,082,256; Dec. 23; Gaz. vol. 197; p. 894.
- Leg-brace, Extension. G. C. Ullery. No. 1,050,258; Jan. 14; Gaz. vol. 186; p. 352.
- Leg, Reduced test-. E. H. Erickson. No. 1,071,149; Aug. 26; Gaz. vol. 193; p. 806.
- Legging. H. Keefer. No. 1,055,184; Mar. 4; Gaz. vol. 188; p. 177.
- Legging. T. Burberry. No. 1,061,163; May 6; Gaz. vol. 190; p. 205.
- Legging. M. Jacob. No. 1,065,049; June 17; Gaz. vol. 191; p. 706.
- Legging. W. E. Woodward. No. 1,070,652; Aug. 19; Gaz. vol. 193; p. 608.
- Legging and thigh-covering, Combined. E. B. Nathan. No. 1,061,317; May 13; Gaz. vol. 190; p. 294.
- Leggings, Manufacturing. M. Rosenwasser. No. 1,055,559; Mar. 11; Gaz. vol. 188; p. 340.
- Lemon-grader. R. B. Farrar and B. C. Leighton. No. 1,062,775; May 27; Gaz. vol. 190; p. 865.
- Lemon-juice extractor and egg-separator, Combined. H. C. Payne. No. 1,054,606; Feb. 25; Gaz. vol. 187; p. 1056.
- Lemon-squeezer. R. Nielsen. No. 1,063,056; May 27; Gaz. vol. 190; p. 959.
- Lens. W. T. Coulson. No. 1,081,215; Dec. 9; Gaz. vol. 197; p. 476.
- Lens, Bifocal. A. J. Cross. No. 1,063,421; June 3; Gaz. vol. 191; p. 85.
- Lens, Fresnel. W. Churchill. No. 1,076,628; Oct. 21; Gaz. vol. 195; p. 760.
- Lens, Fresnel. W. Churchill. No. 1,081,210; Dec. 9; Gaz. vol. 197; p. 474.
- Lens-grinding machine. A. A. Rousseau. No. 1,069,813; Aug. 12; Gaz. vol. 193; p. 279.
- Lens-grinding machine, Toric. E. O. Mattern. No. 1,065,154; June 17; Gaz. vol. 191; p. 741.
- Lens-grinding machines, Bearing for. F. Zettel. No. 1,061,030; May 6; Gaz. vol. 190; p. 164.
- Lens-mounting. D. F. Green. No. 1,057,542; Apr. 1; Gaz. vol. 189; p. 50.
- Lens structure. G. A. Macbeth. No. 1,054,854; Mar. 4; Gaz. vol. 188; p. 70.
- Lens-support. W. T. Field, C. E. Jones, and F. T. Field. No. 1,062,540; May 20; Gaz. vol. 190; p. 745.
- Lens system. R. D. Gray. No. 1,053,128; Feb. 11; Gaz. vol. 187; p. 472.
- Lens, Trifocal. H. Bolde. No. 1,082,491; Dec. 30; Gaz. vol. 197; p. 1006.
- Lenses, Apparatus for the manufacture of. M. Bentzon. No. 1,072,419; Sept. 9; Gaz. vol. 194; p. 283.
- Lenses, mirrors, and the like, Mount for. R. A. Oldfield. No. 1,057,262; Mar. 25; Gaz. vol. 188; p. 986.
- Letter and attachment, Composite. E. S. De Puy. (Re-issue.) No. 13,525; Feb. 11; Gaz. vol. 187; p. 477.
- Letter and document distributor. F. Bristow. No. 1,080,888; Dec. 9; Gaz. vol. 197; p. 370.
- Letter and numeral outliner. S. Hackes. No. 1,063,969; June 10; Gaz. vol. 191; p. 307.
- Letter-box. O. P. Mason. No. 1,056,430; Mar. 18; Gaz. vol. 188; p. 668.
- Letter-box. W. B. Benham. No. 1,079,999; Dec. 2; Gaz. vol. 197; p. 28.
- Letter-box, Street. E. L. Phipps. No. 1,065,078; June 17; Gaz. vol. 191; p. 717.
- Letter-case. A. P. Fryar. No. 1,062,232; May 20; Gaz. vol. 190; p. 645.
- Letter-case, Metallic. A. W. L. Hartbauer and L. C. Sparks. No. 1,078,280; Nov. 11; Gaz. vol. 196; p. 388.
- Letter-folding machine. J. W. Poler. No. 1,071,573; Aug. 26; Gaz. vol. 193; p. 947.
- Letter-opening machine. M. A. Mihills. No. 1,075,050; Oct. 7; Gaz. vol. 195; p. 159.
- Letter separating and feeding device. F. G. Boswell. No. 1,058,696; Apr. 8; Gaz. vol. 189; p. 491.
- Letter-sheet and envelop, Combined. J. Backlund. No. 1,068,834; July 29; Gaz. vol. 192; p. 1147.
- Letter-sheet and envelop, Combined. R. E. Euwer. No. 1,076,357; Oct. 21; Gaz. vol. 195; p. 664.
- Letters, Apparatus for producing imitation type-written. J. A. Lockwood. No. 1,082,534; Dec. 30; Gaz. vol. 197; p. 1020.
- Lettering-block, Adjustable. A. Binger. No. 1,052,404; Feb. 4; Gaz. vol. 187; p. 191.
- Levee. J. W. Mosher. No. 1,073,278; Sept. 16; Gaz. vol. 194; p. 623.
- Levee. J. Beazley, Sr. No. 1,074,156; Sept. 30; Gaz. vol. 194; p. 975.
- Levee core-plate. G. D. Luce. No. 1,058,077; Apr. 8; Gaz. vol. 189; p. 278.
- Level. J. M. Burdick and E. A. Schade. No. 1,050,610; Jan. 14; Gaz. vol. 186; p. 476.
- Level. A. D. Armstrong. No. 1,052,447; Feb. 11; Gaz. vol. 187; p. 239.

Alphabetical list of inventions—Continued.

- Level. E. F. Otto. No. 1,057,662; Apr. 1; Gaz. vol. 189; p. 91.
- Level. C. C. Boles. No. 1,057,924; Apr. 1; Gaz. vol. 189; p. 181.
- Level. H. R. Mitchell and I. L. Sloan. No. 1,058,320; Apr. 8; Gaz. vol. 189; p. 363.
- Level. F. Henning. No. 1,066,013; July 1; Gaz. vol. 192; p. 38.
- Level and gage, Combined. G. M. Keefauver. No. 1,074,367; Sept. 30; Gaz. vol. 194; p. 1045.
- Level and the like. A. C. W. Aldis. No. 1,063,761; June 3; Gaz. vol. 191; p. 205.
- Level, Liquid. J. L. Russell. No. 1,059,396; Apr. 22; Gaz. vol. 189; p. 807.
- Level, Spirit. J. Scott and N. B. McGrath. No. 1,061,638; May 13; Gaz. vol. 190; p. 406.
- Level, Spirit. C. H. Gesbeck and J. Semmerling. No. 1,062,964; May 27; Gaz. vol. 190; p. 929.
- Level, Spirit. C. M. Walton. No. 1,067,158; July 8; Gaz. vol. 192; p. 463.
- Levels, Reflector for spirit-. F. Colbath. No. 1,055,878; Mar. 11; Gaz. vol. 188; p. 447.
- Leveling device. J. C. Hansen, Jr. No. 1,066,606; July 8; Gaz. vol. 192; p. 274.
- Leveling device and drive-gear, Combined. W. Scott. No. 1,072,043; Sept. 2; Gaz. vol. 194; p. 128.
- Leveling instrument. G. A. Jennings. No. 1,060,602; May 6; Gaz. vol. 190; p. 13.
- Leveling instrument. O. Paré. No. 1,067,753; July 15; Gaz. vol. 192; p. 702.
- Leveling-machine jack. E. Woodward. No. 1,076,618; Oct. 21; Gaz. vol. 195; p. 756.
- Lever-brace. G. A. Cutter. No. 1,079,912; Nov. 25; Gaz. vol. 196; p. 1016.
- Lever, Compound. W. V. Gilbert. No. 1,083,084; Dec. 30; Gaz. vol. 197; p. 1212.
- Lever-guide. C. H. Williams, Jr. No. 1,056,479; Mar. 18; Gaz. vol. 188; p. 685.
- Lever, Hand. W. E. J. Anderson. No. 1,076,341; Oct. 21; Gaz. vol. 195; p. 658.
- Lever-lock. O. A. Benham. No. 1,074,038; Sept. 23; Gaz. vol. 194; p. 907.
- Lever lock, Gear-shifting. O. W. Hahn. No. 1,050,016; Jan. 7; Gaz. vol. 186; p. 236.
- Lever lock, Gear-shifting. O. W. Hahn. No. 1,061,938; May 13; Gaz. vol. 190; p. 503.
- Lever, Screw-operated. G. P. Wern. No. 1,070,931; Aug. 19; Gaz. vol. 193; p. 699.
- Lever, Transmission. J. M. Mack. No. 1,064,662; June 10; Gaz. vol. 191; p. 544.
- License-bracket for vehicles, Combined. W. A. Schleicher. No. 1,050,395; Jan. 14; Gaz. vol. 186; p. 400.
- Lid-operating device for cabinets or the like. G. A. Schwartz and A. C. Babcock. No. 1,065,734; June 24; Gaz. vol. 191; p. 975.
- Life-belt. F. Christiansen. No. 1,049,563; Jan. 7; Gaz. vol. 186; p. 85.
- Life-belt. T. B. Butters. No. 1,077,800; Nov. 4; Gaz. vol. 196; p. 191.
- Life-buoy. M. F. Matlack. No. 1,081,849; Dec. 16; Gaz. vol. 197; p. 728.
- Life-detecting apparatus. P. J. Backus. No. 1,061,802; May 13; Gaz. vol. 190; p. 458.
- Life-lines, Means for carrying. B. F. McCreary. No. 1,072,968; Sept. 9; Gaz. vol. 194; p. 479.
- Life-lines, Means for carrying. B. F. McCreary. No. 1,072,969; Sept. 9; Gaz. vol. 194; p. 479.
- Life-preserver. W. G. Richardson. No. 1,050,693; Jan. 14; Gaz. vol. 186; p. 501.
- Life-preserver. C. R. Boatright. No. 1,053,472; Feb. 18; Gaz. vol. 187; p. 633.
- Life-preserver. J. J. Puskanen. No. 1,059,392; Apr. 22; Gaz. vol. 189; p. 805.
- Life-preserver. A. Csèki. No. 1,059,442; Apr. 22; Gaz. vol. 189; p. 824.
- Life-preserver. A. Csèki. No. 1,059,444; Apr. 22; Gaz. vol. 189; p. 825.
- Life-preserver. D. J. Demas. No. 1,060,434; Apr. 29; Gaz. vol. 189; p. 1202.
- Life-preserver. K. Brauer. No. 1,060,889; May 6; Gaz. vol. 190; p. 113.
- Life-preserver. C. M. Hannis. No. 1,063,256; June 3; Gaz. vol. 191; p. 29.
- Life-preserver. I. F. Kepler. No. 1,064,743; June 17; Gaz. vol. 191; p. 609.
- Life-preserver. A. D. Bailey. No. 1,065,385; June 24; Gaz. vol. 191; p. 856.
- Life-preserver. J. R. Ortman. No. 1,068,816; July 29; Gaz. vol. 192; p. 1141.
- Life-preserver. C. A. B. Hansen. No. 1,069,691; Aug. 12; Gaz. vol. 193; p. 236.
- Life-preserver. E. Russell. No. 1,074,817; Oct. 7; Gaz. vol. 195; p. 78.
- Life-preserver. A. Sommerfeld. No. 1,081,520; Dec. 16; Gaz. vol. 197; p. 618.
- Life-preserver. J. W. Master. No. 1,082,698; Dec. 30; Gaz. vol. 197; p. 1080.
- Life-preserver and pillow. S. P. Edmonds. No. 1,061,275; May 13; Gaz. vol. 190; p. 279.
- Life-preserver suit. J. W. Buchanan. No. 1,062,435; May 20; Gaz. vol. 190; p. 711.
- Life-raft. J. C. Schleicher. No. 1,066,661; July 8; Gaz. vol. 192; p. 294.
- Life-raft. C. W. Cook. No. 1,078,334; Nov. 11; Gaz. vol. 196; p. 408.
- Life-saving apparatus. W. Friman. No. 1,054,191; Feb. 25; Gaz. vol. 187; p. 915.
- Life-saving apparatus. A. Green. No. 1,054,532; Feb. 25; Gaz. vol. 187; p. 1030.
- Life-saving apparatus. C. E. Frederickson and I. Baldwin. No. 1,056,271; Mar. 18; Gaz. vol. 188; p. 615.
- Life-saving apparatus. H. F. Smith. No. 1,068,459; July 29; Gaz. vol. 192; p. 1016.
- Life-saving apparatus. J. Le Blanc. No. 1,075,359; Oct. 14; Gaz. vol. 195; p. 292.
- Life-saving apparatus. W. Pinczes. No. 1,078,640; Nov. 18; Gaz. vol. 196; p. 544.
- Life-saving attachment for submarines. H. C. E. Lindtke. No. 1,064,351; June 10; Gaz. vol. 191; p. 438.
- Life-saving device. A. Majernik. No. 1,051,143; Jan. 21; Gaz. vol. 186; p. 693.
- Life-saving device. H. Thurston. No. 1,051,649; Jan. 28; Gaz. vol. 186; p. 896.
- Life-saving device. T. C. Bradford. No. 1,056,733; Mar. 18; Gaz. vol. 188; p. 773.
- Life-saving device. J. M. and E. R. Connor. No. 1,057,221; Mar. 25; Gaz. vol. 188; p. 972.
- Life-saving device. W. M. White. No. 1,061,209; May 6; Gaz. vol. 190; p. 222.
- Life-saving device. P. Bys. No. 1,061,264; May 13; Gaz. vol. 190; p. 275.
- Life-saving device. T. E. Aud. No. 1,065,017; June 17; Gaz. vol. 191; p. 696.
- Life-saving device. T. Miyake. No. 1,067,364; July 15; Gaz. vol. 192; p. 570.
- Life-saving device. E. Töpfer. No. 1,070,639; Aug. 19; Gaz. vol. 193; p. 604.
- Life-saving device. J. Scarlett. No. 1,075,122; Oct. 7; Gaz. vol. 195; p. 183.
- Life-saving device. E. E. Hills. No. 1,081,115; Dec. 9; Gaz. vol. 197; p. 442.
- Life-saving garment. E. C. Smith. No. 1,056,574; Mar. 18; Gaz. vol. 188; p. 648.
- Life-saving garment and belt. J. and A. Berman. No. 1,077,868; Nov. 4; Gaz. vol. 196; p. 214.
- Life-saving raft or buoy. F. Snouffer. No. 1,060,294; Apr. 29; Gaz. vol. 189; p. 1152.
- Life-saving suit. J. Gera. No. 1,051,573; Jan. 28; Gaz. vol. 186; p. 872.
- Life-saving suit. J. E. Moore. No. 1,066,516; July 8; Gaz. vol. 192; p. 243.
- Life-saving suit. W. A. Douglas. No. 1,068,866; July 29; Gaz. vol. 192; p. 1158.
- Life-saving suit. R. J. Lackner. No. 1,070,705; Aug. 19; Gaz. vol. 193; p. 626.
- Life-saving suit. J. P. Park. No. 1,081,862; Dec. 16; Gaz. vol. 197; p. 731.
- Life-saving suit. T. Matthews. No. 1,082,643; Dec. 30; Gaz. vol. 197; p. 1061.
- Life-saving vessel. J. Davis. No. 1,052,323; Feb. 4; Gaz. vol. 187; p. 163.
- Lift and hoist cages, Safety device for. A. G. Huling. No. 1,055,179; Mar. 4; Gaz. vol. 188; p. 176.
- Lift, Invalid's. F. I. Belles. No. 1,059,815; Apr. 22; Gaz. vol. 189; p. 947.
- Lifter. See Drill-bit lifter; Egg-lifter; Hat-box lifter; Ink-fountain-roller lifter; Invalid-lifter; Lamp-chimney lifter; Package and bottle lifter; Pan-lifter; Pan and lid lifter; Stove-lid lifter; Transom-lifter; Trap-door lifter; Valve-lifter; Valve-spring lifter.
- Lifter. R. S. Crocker. No. 1,060,167; Apr. 29; Gaz. vol. 189; p. 1106.
- Lifting apparatus. J. E. Neil. No. 1,052,367; Feb. 4; Gaz. vol. 187; p. 177.
- Lifting appliance. B. Hausmann. No. 1,062,971; May 27; Gaz. vol. 190; p. 931.
- Lifting device. B. E. Smith. No. 1,067,381; July 15; Gaz. vol. 192; p. 576.
- Lifting-gear, Telescopic. K. Nitschke. No. 1,070,167; Aug. 12; Gaz. vol. 193; p. 400.
- Lifting heavy weights, Mechanism for. F. W. Cohen and M. G. Hilpert. No. 1,063,156; May 27; Gaz. vol. 190; p. 991.
- Lifting-jack. A. G. Olson. No. 1,049,906; Jan. 7; Gaz. vol. 186; p. 199.
- Lifting-jack. A. J. Cross. No. 1,050,107; Jan. 14; Gaz. vol. 186; p. 302.
- Lifting-jack. H. C. Manny. No. 1,051,144; Jan. 21; Gaz. vol. 186; p. 693.
- Lifting-jack. L. Bill. No. 1,052,451; Feb. 11; Gaz. vol. 187; p. 240.
- Lifting-jack. W. H. Griffith. No. 1,052,913; Feb. 11; Gaz. vol. 187; p. 398.
- Lifting-jack. I. E. Hindman. No. 1,052,921; Feb. 11; Gaz. vol. 187; p. 401.
- Lifting-jack. I. E. Hindman. No. 1,054,413; Feb. 25; Gaz. vol. 187; p. 991.

- Lifting-jack. W. Pavllk. No. 1,054,604; Feb. 25; Gaz. vol. 187; p. 1055.
- Lifting-jack. A. H. Lowden. No. 1,056,346; Mar. 18; Gaz. vol. 188; p. 638.
- Lifting-jack. A. Neal. No. 1,056,439; Mar. 18; Gaz. vol. 188; p. 672.
- Lifting-jack. J. M. Graves. No. 1,060,337; Apr. 29; Gaz. vol. 189; p. 1167.
- Lifting-jack. G. E. Wilkins and J. C. B. Richards. No. 1,060,963; May 6; Gaz. vol. 190; p. 139.
- Lifting-jack. H. W. Lampman. No. 1,064,076; June 10; Gaz. vol. 191; p. 344.
- Lifting-jack. E. J. Cummings. No. 1,065,031; June 17; Gaz. vol. 191; p. 701.
- Lifting-jack. W. W. Bell. No. 1,068,205; July 22; Gaz. vol. 192; p. 888.
- Lifting-jack. C. L. Crabb. No. 1,071,213; Aug. 26; Gaz. vol. 193; p. 829.
- Lifting-jack. J. Coryell. No. 1,075,766; Oct. 14; Gaz. vol. 195; p. 432.
- Lifting-jack. E. R. Penrose. No. 1,078,374; Nov. 11; Gaz. vol. 196; p. 423.
- Lifting-jack. J. B. Smythe. No. 1,079,371; Nov. 25; Gaz. vol. 196; p. 827.
- Lifting-jack. W. Flett. No. 1,079,697; Nov. 25; Gaz. vol. 196; p. 939.
- Lifting-jack. C. M. Markham. No. 1,081,243; Dec. 9; Gaz. vol. 197; p. 485.
- Lifting-jack. S. Craig. No. 1,082,412; Dec. 23; Gaz. vol. 197; p. 948.
- Lifting-jack for cars. S. E. Aaron. No. 1,062,871; May 27; Gaz. vol. 190; p. 897.
- Lifting-jack, Screw. E. Cook. No. 1,049,564; Jan. 7; Gaz. vol. 186; p. 85.
- Light: *See* Arc-light; Dirigible light; Electric light; Flash-light; Roof-light; Search-light; Signal-light; Target-light; Vault-light.
- Light. R. Hager, Sr. No. 1,053,807; Feb. 18; Gaz. vol. 187; p. 748.
- Light-diffusing apparatus, Artificial. N. Losey. No. 1,082,753; Dec. 30; Gaz. vol. 197; p. 1100.
- Light-diffusive inclosure for light sources. C. H. Myers. No. 1,065,167; June 17; Gaz. vol. 191; p. 745.
- Light-holder, Adjustable. T. N. Burke. No. 1,062,691; May 27; Gaz. vol. 190; p. 839.
- Light-intensifier. G. Linde. No. 1,081,127; Dec. 9; Gaz. vol. 197; p. 446.
- Light-shade. R. E. Ewing. No. 1,061,277; May 13; Gaz. vol. 190; p. 280.
- Light-shield. W. N. McComb. No. 1,050,967; Jan. 21; Gaz. vol. 186; p. 632.
- Lights, Occulting device for. W. A. Moffett and R. P. Perkins. No. 1,077,202; Oct. 28; Gaz. vol. 195; p. 1008.
- Lighter. P. A. Adamian and A. M. Dahan. No. 1,060,150; Apr. 29; Gaz. vol. 189; p. 1101.
- Lighter. H. D. Coleman. No. 1,069,530; Aug. 5; Gaz. vol. 193; p. 153.
- Lighter. R. Fischer. No. 1,072,935; Sept. 9; Gaz. vol. 194; p. 466.
- Lighter. C. Ganz. No. 1,073,229; Sept. 16; Gaz. vol. 194; p. 607.
- Lighter, Cerium-iron automatic. S. Goldstein. No. 1,066,405; July 1; Gaz. vol. 192; p. 174.
- Lighting and ignition device. J. Berg. No. 1,076,943; Oct. 28; Gaz. vol. 195; p. 925.
- Lighting and police signaling system, Municipal. J. P. Barrett. No. 1,065,653; June 24; Gaz. vol. 191; p. 949.
- Lighting and ventilating apparatus. J. O. Ulrich. No. 1,064,573; June 10; Gaz. vol. 191; p. 515.
- Lighting apparatus. E. J. Madden. No. 1,070,501; Aug. 19; Gaz. vol. 193; p. 558.
- Lighting apparatus. E. A. Hawthorne. No. 1,074,716; Oct. 7; Gaz. vol. 195; p. 45.
- Lighting-body, Incandescent. T. J. Little, Jr. No. 1,056,285; Mar. 18; Gaz. vol. 188; p. 619.
- Lighting device. J. Daft. No. 1,063,187; June 3; Gaz. vol. 191; p. 7.
- Lighting device. G. C. Gooder. No. 1,078,428; Nov. 11; Gaz. vol. 196; p. 442.
- Lighting-fixture. H. V. Willman. No. 1,053,689; Feb. 18; Gaz. vol. 187; p. 708.
- Lighting-fixture. F. W. Wakefield. No. 1,054,951; Mar. 4; Gaz. vol. 188; p. 100.
- Lighting-fixture. F. S. Crowell. No. 1,059,441; Apr. 22; Gaz. vol. 189; p. 824.
- Lighting-fixture. L. W. Young. No. 1,065,094; June 17; Gaz. vol. 191; p. 723.
- Lighting-fixture. L. W. Young. No. 1,067,391; July 15; Gaz. vol. 192; p. 579.
- Lighting-fixture. J. T. Robb. No. 1,070,292; Aug. 12; Gaz. vol. 193; p. 444.
- Lighting-fixture. H. M. McKechnie. No. 1,071,938; Sept. 2; Gaz. vol. 194; p. 93.
- Lighting-fixture. O. H. Mohr. No. 1,075,370; Oct. 14; Gaz. vol. 195; p. 297.
- Lighting-fixture. E. F. Guth. No. 1,076,418; Oct. 21; Gaz. vol. 195; p. 685.
- Lighting-fixture. W. P. Horn. No. 1,077,983; Nov. 11; Gaz. vol. 196; p. 286.
- Lighting-fixture. F. M. Egan. No. 1,078,339; Nov. 11; Gaz. vol. 196; p. 410.
- Lighting-fixture. E. F. Guth. No. 1,082,322; Dec. 23; Gaz. vol. 197; p. 918.
- Lighting-fixture for theaters and public halls. G. H. Fowler. No. 1,054,759; Mar. 4; Gaz. vol. 188; p. 36.
- Lighting-plant register, Carbide. W. A. Reineke. No. 1,054,618; Feb. 25; Gaz. vol. 187; p. 1060.
- Lightning-arrester. J. D. Hilliard, Jr., and C. E. Parsons. No. 1,061,671; May 13; Gaz. vol. 190; p. 418.
- Lightning-arrester. W. H. Elliott. No. 1,066,476; July 8; Gaz. vol. 192; p. 228.
- Lightning-arrester. A. J. Wurts. No. 1,069,310; Aug. 5; Gaz. vol. 193; p. 77.
- Lightning-arrester. E. E. F. Creighton. No. 1,071,710; Sept. 2; Gaz. vol. 194; p. 13.
- Lightning-arrester. F. W. Peek, Jr. No. 1,074,454; Sept. 30; Gaz. vol. 194; p. 1074.
- Lightning-arrester. J. O. Holton. No. 1,078,922; Nov. 18; Gaz. vol. 196; p. 643.
- Lightning-rod. J. Z. Curnutt and E. E. Lloyd. No. 1,061,824; May 13; Gaz. vol. 190; p. 465.
- Limb, Artificial. J. E. Hanger. No. 1,066,605; July 8; Gaz. vol. 192; p. 274.
- Limb, Artificial. J. E. Hanger. No. 1,071,230; Aug. 26; Gaz. vol. 193; p. 834.
- Limb, Artificial. T. E. Auvil. No. 1,076,861; Oct. 28; Gaz. vol. 195; p. 895.
- Limb, Artificial. J. B. Stage. No. 1,077,012; Oct. 28; vol. 195; p. 949.
- Lime and the like, Apparatus for hydrating. S. Wiebe. No. 1,060,805; May 6; Gaz. vol. 190; p. 82.
- Lime and the like, Machine for spreading. C. J. Cunningham. No. 1,065,665; June 24; Gaz. vol. 191; p. 953.
- Lime and utilizing heat of hydration, Hydrating. H. L. Doherty. No. 1,066,719; July 8; Gaz. vol. 192; p. 315.
- Lime, Hydrating. H. L. Doherty. No. 1,066,718; July 8; Gaz. vol. 192; p. 315.
- Lime, Slaking. W. Schultbess. No. 1,067,686; July 15; Gaz. vol. 192; p. 680.
- Lime-spreader. J. W. Porcher. No. 1,059,206; Apr. 15; Gaz. vol. 189; p. 706.
- Limit-switch. H. J. Wiegand. No. 1,078,815; Nov. 18; Gaz. vol. 196; p. 606.
- Lincrusta, linoleum, or like diapered-like cloth, Producing. C. G. E. Werner. No. 1,074,915; Oct. 7; Gaz. vol. 195; p. 111.
- Line-casting machine. S. C. Nielsen. No. 1,049,518; Jan. 7; Gaz. vol. 186; p. 67.
- Line-casting machine. H. A. Armstrong. No. 1,056,314; Mar. 18; Gaz. vol. 188; p. 629.
- Line-casting machine. L. M. Chapman. No. 1,057,803; Apr. 1; Gaz. vol. 189; p. 139.
- Line-casting machine. D. S. Kennedy. No. 1,063,267; June 3; Gaz. vol. 191; p. 33.
- Line-casting machine. F. C. L. D'Aix. No. 1,065,329; June 17; Gaz. vol. 191; p. 800.
- Line-casting machine. D. S. Kennedy. No. 1,066,625; July 8; Gaz. vol. 192; p. 281.
- Line-casting machine. J. R. Rogers. No. 1,067,552; July 15; Gaz. vol. 192; p. 634.
- Line-casting machine. D. S. Kennedy. No. 1,070,485; Aug. 19; Gaz. vol. 193; p. 552.
- Line-casting machine. J. R. Rogers. No. 1,072,037; Sept. 2; Gaz. vol. 194; p. 126.
- Line-casting machine. F. W. Neumayer. No. 1,072,765; Sept. 9; Gaz. vol. 194; p. 403.
- Line-casting machine. P. T. Dodge. No. 1,074,105; Sept. 30; Gaz. vol. 194; p. 959.
- Line-casting machine. G. P. Kingsbury. No. 1,076,433; Oct. 21; Gaz. vol. 195; p. 690.
- Line-casting machine. R. O. Boardman. No. 1,076,478; Oct. 21; Gaz. vol. 195; p. 707.
- Line-casting machine. M. W. Morehouse. No. 1,077,362; Nov. 4; Gaz. vol. 196; p. 42.
- Line-casting machine. J. R. Rogers. No. 1,077,642; Nov. 4; Gaz. vol. 196; p. 138.
- Line-casting machine. A. W. F. Guest. No. 1,079,486; Nov. 25; Gaz. vol. 196; p. 866.
- Line-casting machine. D. S. Knox. No. 1,080,352; Dec. 2; Gaz. vol. 197; p. 154.
- Line-casting machine. P. T. Dodge. No. 1,081,026; Dec. 9; Gaz. vol. 197; p. 414.
- Line-casting machine. G. P. Kingsbury. No. 1,081,047; Dec. 9; Gaz. vol. 197; p. 420.
- Line-casting machine. R. O. Boardman. No. 1,081,806; Dec. 16; Gaz. vol. 197; p. 712.
- Line-casting-machine slug-exPELLER mechanism. A. W. Le Boeuf. No. 1,080,570; Dec. 9; Gaz. vol. 197; p. 258.
- Line-casting machines, Mold for. T. R. Castle. No. 1,057,036; Mar. 25; Gaz. vol. 188; p. 909.
- Line-casting molds, Variable liner for. A. G. Stevenson. No. 1,062,616; May 27; Gaz. vol. 190; p. 815.
- Line-drop compensation. J. Pearson. No. 1,050,082; Jan. 7; Gaz. vol. 186; p. 260.
- Line-drop compensator. J. Pearson. No. 1,050,081; Jan. 7; Gaz. vol. 186; p. 259.
- Line-guide for copyists. W. C. Spedden. No. 1,073,939; Sept. 23; Gaz. vol. 194; p. 874.

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- Line-holder. C. Cammarata. No. 1,055,019; Mar. 4; Gaz. vol. 188; p. 124.
- Line-holder for bricklayers' use. D. Lee. No. 1,066,926; July 8; Gaz. vol. 192; p. 385.
- Line-marking device. L. J. Prescott. No. 1,064,087; June 10; Gaz. vol. 191; p. 348.
- Line-marking device for playgrounds. O. G. Lee. No. 1,050,669; Jan. 14; Gaz. vol. 186; p. 493.
- Line-protector. A. U. Montgomery. No. 1,067,436; July 15; Gaz. vol. 192; p. 595.
- Line-reel. L. Toegel. No. 1,058,925; Apr. 15; Gaz. vol. 189; p. 609.
- Line-reel. F. R. Jennings. No. 1,061,749; May 13; Gaz. vol. 190; p. 444.
- Line-reel. M. Fitch. No. 1,067,329; July 15; Gaz. vol. 192; p. 559.
- Line-retriever. C. W. Taylor. No. 1,062,202; May 20; Gaz. vol. 190; p. 635.
- Line setting and casting machine. H. Degener. No. 1,066,086; July 1; Gaz. vol. 192; p. 65.
- Line setting and casting machine. H. Degener. No. 1,069,927; Aug. 12; Gaz. vol. 193; p. 319.
- Line setting and casting machine. H. Degener. No. 1,075,024; Oct. 7; Gaz. vol. 195; p. 150.
- Line setting and casting machine. J. Dorneth. No. 1,078,422; Nov. 11; Gaz. vol. 196; p. 440.
- Line setting and casting machine for producing mixed copy. H. Degener. No. 1,070,947; Aug. 19; Gaz. vol. 193; p. 704.
- Line-spacing mechanism, Fractional-. O. C. Kavle. No. 1,058,756; Apr. 15; Gaz. vol. 189; p. 549.
- Liner, Adjustable. J. F. Hoxsey. No. 1,078,730; Nov. 18; Gaz. vol. 196; p. 577.
- Liner, Parallel. L. B. Benton. No. 1,066,576; July 8; Gaz. vol. 192; p. 264.
- Linen, Smoothing device for starched. L. F. Pease. No. 1,082,094; Dec. 23; Gaz. vol. 197; p. 839.
- Link, Cuff. L. Dahlgren. No. 1,060,066; Apr. 29; Gaz. vol. 189; p. 1072.
- Link, Fusible. E. M. Stephens. No. 1,069,201; Aug. 5; Gaz. vol. 193; p. 40.
- Link, Fusible. S. M. Marshall. No. 1,080,228; Dec. 2; Gaz. vol. 197; p. 108.
- Link-mesh machine. H. W. and C. G. Smith. No. 1,078,317; Nov. 11; Gaz. vol. 196; p. 402.
- Link-mesh machine. H. W. and C. G. Smith. No. 1,078,318; Nov. 11; Gaz. vol. 196; p. 403.
- Link-mesh-making machine. A. C. Pratt. No. 1,071,790; Sept. 2; Gaz. vol. 194; p. 43.
- Link, Safety-. R. C. Harris. No. 1,051,224; Jan. 21; Gaz. vol. 186; p. 719.
- Linoleum into inlaid-linoleum presses, Apparatus for feeding a web carrying. F. Wilkens. No. 1,053,335; Feb. 18; Gaz. vol. 187; p. 587.
- Linoleum, lincrusta, or like material. A. C. Schwarting. No. 1,079,728; Nov. 25; Gaz. vol. 196; p. 951.
- Linotype-machine. H. Degener. No. 1,055,301; Mar. 4; Gaz. vol. 188; p. 215.
- Linotype-machine attachment. I. A. Roshon. No. 1,081,989; Dec. 23; Gaz. vol. 197; p. 802.
- Linotype-machines, Apparatus for setting and casting separate types on. F. Schimmel. No. 1,068,936; July 29; Gaz. vol. 192; p. 1183.
- Linotype-machines, Casting-control mechanism for. A. W. Le Boeuf. No. 1,061,388; May 13; Gaz. vol. 190; p. 317.
- Linotype-machines, Electric type-metal heater for. D. S. Kramer. No. 1,058,184; Apr. 8; Gaz. vol. 189; p. 316.
- Linotype-machines, Matrix-suspending bar for. G. E. Lee. No. 1,057,157; Mar. 25; Gaz. vol. 188; p. 949.
- Linotype-machines, Mouthpiece-wiper for. G. C. Glenn. No. 1,064,319; June 10; Gaz. vol. 191; p. 428.
- Linotype-machines, Single-type-casting attachment for. J. F. Hanrahan. No. 1,060,679; May 6; Gaz. vol. 190; p. 39.
- Linotype-machines, Spaceband for. T. H. Knapp. No. 1,078,049; Nov. 11; Gaz. vol. 196; p. 309.
- Linotype-machines, Squirt-preventer mechanism for. D. Petri Palmedo. No. 1,073,705; Sept. 23; Gaz. vol. 194; p. 796.
- Linotype-mold. F. H. Lynds. No. 1,078,930; Nov. 18; Gaz. vol. 196; p. 645.
- Linotypes, Matrix-changing device for Mergenthaler. E. Fjellander. No. 1,053,167; Feb. 18; Gaz. vol. 187; p. 528.
- Lint-treating apparatus. J. E. Cheesman. No. 1,056,260; Mar. 18; Gaz. vol. 188; p. 612.
- Lint-bar. W. M. Evered. No. 1,051,719; Jan. 28; Gaz. vol. 186; p. 919.
- Liquid, Apparatus for delivering measured quantities of. J. J. Lassen and V. F. Hjort. No. 1,069,017; July 29; Gaz. vol. 192; p. 1208.
- Liquid by means of ultra-violet rays, Apparatus for treating. V. Henri, A. Helbronner, and M. von Recklinghausen. No. 1,068,898; July 29; Gaz. vol. 192; p. 1170.
- Liquid-container. E. Catlin, Jr. No. 1,075,762; Oct. 14; Gaz. vol. 195; p. 431.
- Liquid-cooler. O. V. Hanna. No. 1,067,918; July 22; Gaz. vol. 192; p. 791.
- Liquid-cooler. J. Plony. No. 1,077,368; Nov. 4; Gaz. vol. 196; p. 44.
- Liquid-cooler. G. R. Long and H. G. Cordley. No. 1,079,918; Nov. 25; Gaz. vol. 196; p. 1018.
- Liquid cooler and carbonator, Combined. H. E. Deckebach. No. 1,075,408; Oct. 14; Gaz. vol. 195; p. 311.
- Liquid cooler or heater. C. B. Dalzell and H. Feldmeier. No. 1,067,505; July 15; Gaz. vol. 192; p. 618.
- Liquid-cooling apparatus. F. Bauer. No. 1,050,909; Jan. 21; Gaz. vol. 186; p. 613.
- Liquid-cooling apparatus. L. R. Steel. No. 1,057,893; Apr. 1; Gaz. vol. 189; p. 170.
- Liquid-desiccating apparatus. C. E. Gray and A. Jensen. No. 1,078,848; Nov. 18; Gaz. vol. 196; p. 617.
- Liquid-dispenser. J. N. Baskett and J. H. Rhodes. No. 1,062,576; May 20; Gaz. vol. 190; p. 759.
- Liquid-dispenser. J. Desmond. No. 1,071,890; Sept. 2; Gaz. vol. 194; p. 77.
- Liquid-dispensing apparatus. J. McPherson, Jr. No. 1,068,067; July 22; Gaz. vol. 192; p. 841.
- Liquid-dispensing apparatus. J. J. C. Meyer. No. 1,073,433; Sept. 16; Gaz. vol. 194; p. 678.
- Liquid-dispensing apparatus. H. H. Choate. No. 1,077,870; Nov. 4; Gaz. vol. 196; p. 215.
- Liquid-dispensing apparatus, Cooled-. A. M. Rose. No. 1,050,233; Jan. 14; Gaz. vol. 186; p. 343.
- Liquid-dispensing apparatus, Cooler for. A. Dade. No. 1,065,666; June 24; Gaz. vol. 191; p. 953.
- Liquid-dispensing device. W. E. Byer. No. 1,049,339; Jan. 7; Gaz. vol. 186; p. 7.
- Liquid-dispensing device. M. M. Marcuse. No. 1,073,864; Sept. 23; Gaz. vol. 194; p. 847.
- Liquid-dispensing device. J. H. Champ and T. H. Schutt. No. 1,075,898; Oct. 14; Gaz. vol. 195; p. 477.
- Liquid-dispensing device. H. R. Zeamans. No. 1,078,028; Nov. 11; Gaz. vol. 196; p. 302.
- Liquid-dispensing device. R. J. Conwell. No. 1,081,019; Dec. 9; Gaz. vol. 197; p. 412.
- Liquid-dispensing vessel. J. Crawford. No. 1,061,663; May 13; Gaz. vol. 190; p. 415.
- Liquid-distributing apparatus. F. A. Glencke. No. 1,076,880; Oct. 28; Gaz. vol. 195; p. 902.
- Liquid-flask. J. Koenig. No. 1,062,716; May 27; Gaz. vol. 190; p. 847.
- Liquid-flow indicator. H. Howard. No. 1,049,718; Jan. 7; Gaz. vol. 186; p. 137.
- Liquid for surgical, medicinal, and other purposes, Means for controlling the flow and delivery of. F. W. Lambden. No. 1,071,062; Aug. 26; Gaz. vol. 193; p. 778.
- Liquid-fuel burner. J. R. Goble and J. E. Glasgow. No. 1,049,700; Jan. 7; Gaz. vol. 186; p. 131.
- Liquid-fuel burner. O. Hunziker. No. 1,051,111; Jan. 21; Gaz. vol. 186; p. 683.
- Liquid-fuel burner. C. E. Brown. No. 1,057,032; Mar. 25; Gaz. vol. 188; p. 907.
- Liquid-fuel burner. G. R. Bair. No. 1,059,425; Apr. 22; Gaz. vol. 189; p. 818.
- Liquid-fuel burner. H. C. Jordan. No. 1,059,611; Apr. 22; Gaz. vol. 189; p. 879.
- Liquid-fuel burner. J. R. Donnelly. No. 1,059,660; Apr. 22; Gaz. vol. 189; p. 896.
- Liquid-fuel burner. R. N. Johnston. No. 1,062,714; May 27; Gaz. vol. 190; p. 846.
- Liquid-fuel burner. H. H. Ames. No. 1,063,147; May 27; Gaz. vol. 190; p. 988.
- Liquid-fuel burner. R. L. and H. R. Hannah. No. 1,063,875; June 3; Gaz. vol. 191; p. 241.
- Liquid-fuel burner. M. Pike. No. 1,065,834; June 24; Gaz. vol. 191; p. 1009.
- Liquid-fuel burner. A. R. Anthony. No. 1,071,381; Aug. 26; Gaz. vol. 193; p. 885.
- Liquid-fuel burner. S. Crosbie. No. 1,072,918; Sept. 9; Gaz. vol. 194; p. 460.
- Liquid-fuel burner. H. Izard. No. 1,074,435; Sept. 30; Gaz. vol. 194; p. 1068.
- Liquid-fuel control, Automatic. E. E. Wickersham. No. 1,060,221; Apr. 29; Gaz. vol. 189; p. 1126.
- Liquid-fuel furnace. G. Ayres. No. 1,076,342; Oct. 21; Gaz. vol. 195; p. 658.
- Liquid-fuel furnace. J. W. M., and M. M. Burdon. No. 1,081,015; Dec. 9; Gaz. vol. 197; p. 411.
- Liquid-fuel gasifier. W. L. Corson. No. 1,080,139; Dec. 2; Gaz. vol. 197; p. 77.
- Liquid fuels, Gasifier for. S. H. Page and C. J. Belden. No. 1,065,964; July 1; Gaz. vol. 192; p. 21.
- Liquid fuels, Thermostatic control of. J. G. Callan. No. 1,063,654; June 3; Gaz. vol. 191; p. 168.
- Liquid-gage. H. D. Flegel. No. 1,067,477; July 15; Gaz. vol. 192; p. 608.
- Liquid-gage. P. Drautzburg. No. 1,075,025; Oct. 7; Gaz. vol. 195; p. 150.
- Liquid-gage. L. Meyer. No. 1,080,153; Dec. 2; Gaz. vol. 197; p. 82.
- Liquid-handling apparatus. A. Bowser. No. 1,051,365; Jan. 21; Gaz. vol. 186; p. 766.
- Liquid heating and cooling apparatus. H. S. Walker. No. 1,056,385; Mar. 18; Gaz. vol. 188; p. 651.
- Liquid-heating tube. W. J. Still. No. 1,049,939; Jan. 7; Gaz. vol. 186; p. 210.
- Liquid-holding apparatus, Pasteurized-. A. H. Reid. No. 1,052,963; Feb. 11; Gaz. vol. 187; p. 415.

Alphabetical list of inventions—Continued.

- Liquid-impregnating device. G. E. Heyl and F. J. Allen. No. 1,075,210; Oct. 7; Gaz. vol. 195; p. 214.
- Liquid-level apparatus, Vacuum-controlled differential-. E. P. Noyes. No. 1,076,146; Oct. 21; Gaz. vol. 195; p. 590.
- Liquid-level-controlling apparatus. R. Rice. No. 1,066,151; July 1; Gaz. vol. 192; p. 87.
- Liquid-level indicator. A. J. Stecker. No. 1,055,365; Mar. 11; Gaz. vol. 188; p. 276.
- Liquid-level indicator. J. E. Johnston. No. 1,072,122; Sept. 2; Gaz. vol. 194; p. 155.
- Liquid-level indicator. R. C. Smith. No. 1,075,510; Oct. 14; Gaz. vol. 195; p. 345.
- Liquid, Low-freezing. M. A. Hunter. No. 1,082,528; Dec. 30; Gaz. vol. 197; p. 1019.
- Liquid-measuring apparatus. J. W. Gamble. No. 1,080,547; Dec. 9; Gaz. vol. 197; p. 251.
- Liquid-meter. J. W. Ledoux. No. 1,050,148; Jan. 14; Gaz. vol. 186; p. 315.
- Liquid-meter. J. W. Ledoux. No. 1,064,747; June 17; Gaz. vol. 191; p. 610.
- Liquid-meter. J. W. Ledoux. No. 1,070,968; Aug. 19; Gaz. vol. 193; p. 711.
- Liquid-meter. H. C. Alger. No. 1,081,083; Dec. 9; Gaz. vol. 197; p. 431.
- Liquid-mixer. J. J. Wood. No. 1,057,024; Mar. 25; Gaz. vol. 188; p. 904.
- Liquid-mixer. M. L. Tobriner. No. 1,069,912; Aug. 12; Gaz. vol. 193; p. 313.
- Liquid mixer, shaker, and juice-extractor. L. I. Reichner. No. 1,075,119; Oct. 7; Gaz. vol. 195; p. 182.
- Liquid-mixing apparatus. M. Deacon and W. Gore. No. 1,050,111; Jan. 14; Gaz. vol. 186; p. 303.
- Liquid or gaseous fuel burner. H. C. Vandaveer and G. E. Stoy. No. 1,059,237; Apr. 15; Gaz. vol. 189; p. 716.
- Liquid pasteurizer and cooler. A. Jensen. No. 1,080,455; Dec. 2; Gaz. vol. 197; p. 189.
- Liquid-purification apparatus. D. A. Wheelock. No. 1,065,992; July 1; Gaz. vol. 192; p. 31.
- Liquid raising and forcing apparatus. J. Koerver. No. 1,049,494; Jan. 7; Gaz. vol. 186; p. 59.
- Liquid-raising apparatus. J. F. Reddy. No. 1,073,630; Sept. 23; Gaz. vol. 194; p. 766.
- Liquid raising or forcing apparatus. H. A. Humphrey and A. Cerasoli. No. 1,057,060; Mar. 25; Gaz. vol. 188; p. 916.
- Liquid-receptacle. W. H. Tucker. No. 1,082,661; Dec. 30; Gaz. vol. 197; p. 1066.
- Liquid-receptacle, Electrically-heated. E. Schwartz. No. 1,054,318; Feb. 25; Gaz. vol. 187; p. 957.
- Liquid resistance. A. Aichele. No. 1,082,721; Dec. 30; Gaz. vol. 197; p. 1089.
- Liquid separation of solids, Gravity. F. I. Du Pont. No. 1,064,459; June 10; Gaz. vol. 191; p. 477.
- Liquid-separator. F. G. Eppley. No. 1,066,393; July 1; Gaz. vol. 192; p. 171.
- Liquid-separator. C. H. Hapgood. No. 1,081,936; Dec. 16; Gaz. vol. 197; p. 755.
- Liquid-separator and liquid-heater, Combined steam-turbine centrifugal. J. V. M. Risberg. No. 1,062,853; May 27; Gaz. vol. 190; p. 892.
- Liquid stirring and mixing apparatus. C. Still. No. 1,080,177; Dec. 2; Gaz. vol. 197; p. 90.
- Liquid-supply regulator. W. C. Culbertson. No. 1,062,537; May 20; Gaz. vol. 190; p. 744.
- Liquid-trap. P. D. Hay. No. 1,075,254; Oct. 7; Gaz. vol. 195; p. 230.
- Liquid-treating apparatus. K. W. Bartlett. No. 1,072,900; Sept. 9; Gaz. vol. 194; p. 454.
- Liquid-treating apparatus. H. H. Sutro. No. 1,077,316; Nov. 4; Gaz. vol. 196; p. 26.
- Liquid-treating process and apparatus. E. W. Deming. No. 1,052,220; Feb. 4; Gaz. vol. 187; p. 130.
- Liquids and gases or vapors, Apparatus for producing interaction between. J. A. Hart. No. 1,072,849; Sept. 9; Gaz. vol. 194; p. 434.
- Liquids and solids, Machine for separating. A. Lindemann. No. 1,073,611; Sept. 23; Gaz. vol. 194; p. 760.
- Liquids and solids, Separating. J. J. Berrigan. No. 1,055,254; Mar. 4; Gaz. vol. 188; p. 199.
- Liquids, Apparatus for controlling the delivery of. A. A. Quick. No. 1,081,149; Dec. 9; Gaz. vol. 197; p. 454.
- Liquids, Apparatus for inexplosively storing and drawing off igniferous. O. Schmidt. No. 1,052,095; Feb. 4; Gaz. vol. 187; p. 87.
- Liquids, Apparatus for separating and recovering fibers, &c., from. E. V. Chambers and T. C. Hammond. No. 1,079,975; Dec. 2; Gaz. vol. 197; p. 19.
- Liquids, Apparatus for separating deposited matter from. B. Kaibel. No. 1,077,476; Nov. 4; Gaz. vol. 196; p. 84.
- Liquids, Concentration of syrupy. J. MacGregor. No. 1,068,789; July 29; Gaz. vol. 192; p. 1130.
- Liquids, Conveying warm. H. Koppers. No. 1,060,102; Apr. 29; Gaz. vol. 189; p. 1083.
- Liquids from crushed-ore products, Separation of. W. A. Caldecott. No. 1,061,660; May 13; Gaz. vol. 190; p. 414.
- Liquids from separated solids, Recovering separating. F. I. Du Pont. No. 1,081,949; Dec. 23; Gaz. vol. 197; p. 787.
- Liquids from solid material, Apparatus for removing. I. Blount. No. 1,056,495; Mar. 18; Gaz. vol. 188; p. 691.
- Liquids from tanks or vessels, Device for controlling the delivery of. A. A. Quick and C. J. Spencer. No. 1,070,288; Aug. 12; Gaz. vol. 193; p. 442.
- Liquids from vapors and gases, Apparatus for separating out. P. Graefe. No. 1,072,941; Sept. 9; Gaz. vol. 194; p. 469.
- Liquids, Instrument for comparing the turbidity of. E. W. Kopke. No. 1,049,873; Jan. 7; Gaz. vol. 186; p. 189.
- Liquids, Mechanism for regulating flow of. H. G. W. Ott. No. 1,060,554; Apr. 29; Gaz. vol. 189; p. 1243.
- Liquids or for mixing liquids, Apparatus for adding reagents to. M. Deacon and W. Gore. No. 1,056,780; Mar. 25; Gaz. vol. 188; p. 820.
- Liquids or gases, Apparatus for transporting. E. C. Stover. No. 1,052,452; Feb. 18; Gaz. vol. 187; p. 627.
- Liquids over crest-weirs and the like, Adjustment for regulating the discharge of. J. A. G. Harrisson. No. 1,061,240; May 6; Gaz. vol. 190; p. 232.
- Liquids, Raising or forcing. H. A. Humphrey. No. 1,072,852; Sept. 9; Gaz. vol. 194; p. 435.
- Liquids, Safety-closure for containers of inflammable. M. Jasper. No. 1,076,830; Oct. 28; Gaz. vol. 195; p. 884.
- Liquids, Separating mixtures of. A. Golodetz. No. 1,079,004; Nov. 18; Gaz. vol. 196; p. 672.
- Liquids, System of storing and conveying inflammable and other. H. von Eicken. No. 1,074,934; Oct. 7; Gaz. vol. 195; p. 118.
- Liquids with carbonic acid, Apparatus for impregnating. A. A. Pindstoffe. No. 1,064,535; June 10; Gaz. vol. 191; p. 502.
- Liquors containing sulfurous acid or sulfites, Treating. W. H. Dickerson. No. 1,059,716; Apr. 22; Gaz. vol. 189; p. 914.
- Lister. L. E. Waterman. No. 1,064,264; June 10; Gaz. vol. 191; p. 409.
- Lithographic offset and other printing-machine, Rotary. F. Waite. No. 1,051,653; Jan. 28; Gaz. vol. 186; p. 898.
- Lithographic surfaces, Machine for tooling. C. A. G. Pfanne. No. 1,052,011; Feb. 4; Gaz. vol. 187; p. 57.
- Litter-carrier. M. A. Ley. No. 1,052,672; Feb. 11; Gaz. vol. 187; p. 315.
- Litter-carrier. O. Slette. No. 1,065,976; July 1; Gaz. vol. 192; p. 26.
- Litter-carrier. F. H. C. Stoll. No. 1,076,169; Oct. 21; Gaz. vol. 195; p. 597.
- Litter-carriers, Pole-track extension for. R. B. Dillon. No. 1,067,807; July 22; Gaz. vol. 192; p. 754.
- Load-brake apparatus. W. V. Turner. No. 1,053,246; Feb. 18; Gaz. vol. 187; p. 555.
- Load-controlling device. G. M. Richards. No. 1,062,665; May 27; Gaz. vol. 190; p. 830.
- Load from one generator-station to another, Means for transferring. E. F. Dutton. No. 1,065,302; June 17; Gaz. vol. 191; p. 790.
- Loader, Magazine-. B. A. Peterson. No. 1,061,492; May 13; Gaz. vol. 190; p. 353.
- Loader, Magazine-. B. A. Peterson. No. 1,062,848; May 27; Gaz. vol. 190; p. 890.
- Loader, Wagon-. J. P. Attaway. No. 1,066,977; July 8; Gaz. vol. 192; p. 401.
- Loading and conveying apparatus. J. H. Huhn. No. 1,051,232; Jan. 21; Gaz. vol. 186; p. 722.
- Loading and dumping bridge. E. Howland. No. 1,050,541; Jan. 14; Gaz. vol. 186; p. 452.
- Loading and dumping device. L. E. Renney and W. J. Pedler. No. 1,081,697; Dec. 16; Gaz. vol. 197; p. 674.
- Loading and unloading apparatus. O. N. Gardner. No. 1,051,994; Feb. 4; Gaz. vol. 187; p. 50.
- Loading and unloading apparatus. F. J. Schraeder, Jr. No. 1,071,096; Aug. 26; Gaz. vol. 193; p. 789.
- Loading and unloading apparatus. L. H. Vold. No. 1,072,533; Sept. 9; Gaz. vol. 194; p. 323.
- Loading and unloading device. A. Schulze. No. 1,052,096; Feb. 4; Gaz. vol. 187; p. 87.
- Loading and unloading mechanism for mixing-drums or other receptacles. W. B. Hahn. No. 1,063,159; May 27; Gaz. vol. 190; p. 992.
- Loading apparatus. H. Lechtenberg. No. 1,050,472; Jan. 14; Gaz. vol. 186; p. 428.
- Loading apparatus. I. and E. A. Hertz. No. 1,057,735; Apr. 1; Gaz. vol. 189; p. 115.
- Loading apparatus. A. M. Bates. No. 1,060,154; Apr. 29; Gaz. vol. 189; p. 1103.
- Loading apparatus. W. W. Brower. No. 1,064,126; June 10; Gaz. vol. 191; p. 362.
- Loading device. J. H. Piercy. No. 1,079,718; Nov. 25; Gaz. vol. 196; p. 946.
- Loading device, Mixing-machine-. C. W. Levalley. No. 1,067,182; July 8; Gaz. vol. 192; p. 471.
- Loading-hook. M. T. Byrn. No. 1,071,983; Sept. 2; Gaz. vol. 194; p. 107.
- Loading-machine. C. F. Myers. No. 1,053,206; Feb. 18; Gaz. vol. 187; p. 542.
- Loading-machine. G. Hanslick. No. 1,054,645; Feb. 25; Gaz. vol. 187; p. 1070.
- Loading-machine. R. O. Couch. No. 1,057,122; Mar. 25; Gaz. vol. 188; p. 938.

Alphabetical list of inventions—Continued.

- Loading machine, Coal-. J. W. Wortham. No. 1,066,566; July 8; Gaz. vol. 192; p. 260.
- Lobster-trap. A. A. Noyes. No. 1,079,576; Nov. 25; Gaz. vol. 196; p. 898.
- Lock: See Air-lock; Alarm-lock; Apparel-lock; Auto-lock; Automobile-lock; Automobile and the like lock; Automobile clutch-lever lock; Automobile transmission-lock; Bag-lock; Bed-lock; Bed-corner lock; Bicycle-lock; Binder-lock; Bolt-lock; Bolt and nut lock; Bottle-lock; Box-lock; Bung-lock; Can-cover lock; Canal-lock; Car-lock; Car-door lock; Car-seal lock; Carriage-lock; Case-lock; Catch-lock; Chain lock; Chase-lock; Check-lock; Checkrein-lock; Coat, hat, and umbrella lock; Coin-controlled lock; Coin-operated lock; Combination-lock; Cycle-lock; Dead-lock; Deep-plate lock; Door-lock; Door or window lock; Drawer-lock; Duplex-cylinder lock; Electric lock; Electric-circuit lock; Electrically-controlled lock; Fire-door lock; Gas-meter-connection lock; Gas-pipe protective lock; Gravity-lock; Grease-cup lock; Grease-plug lock; Gyve-lock; Halter-lock; Hasp-lock; Hose-coupling lock; Ice-cream-freezer-frame lock; Indicating-lock; Indicator-lock; Jamb-lock; Key-lock; Key-bolt lock; Keyless lock; Lamp-lock; Lever-lock; Mail-pouch lock; Mail-sack lock; Mortise-lock; Nut-lock; Nut and bolt lock; Oar-lock; Padlock; Permutation-lock; Pin-tumbler lock; Rail-joint lock; Robe-lock; Rudder-lock; Safe-lock; Safety-lock; Sash-lock; Screen-lock; Screw-lock; Seal-lock; Signal-lock; Spring-lock; Stanchion-lock; Stovepipe-end lock; Strap-lock; Suitcase-lock; Switch-lock; Switch-box lock; Switch-point lock; Table-lock; Table-leg lock; Tie-button lock; Time-lock; Traveler's lock; Umbrella-runner lock; Valve-lock; Whip-lock; Whip-socket lock; Window-lock.
- Lock. P. Varga. No. 1,050,579; Jan. 14; Gaz. vol. 186; p. 465.
- Lock. C. A. F. Ehrner and P. G. H. Hallongren. No. 1,050,631; Jan. 14; Gaz. vol. 186; p. 482.
- Lock. A. Arens. No. 1,050,784; Jan. 21; Gaz. vol. 186; p. 566.
- Lock. A. Brunton. No. 1,050,800; Jan. 21; Gaz. vol. 186; p. 571.
- Lock. L. Roberts. No. 1,051,636; Jan. 28; Gaz. vol. 186; p. 892.
- Lock. N. Dorfman. No. 1,051,707; Jan. 28; Gaz. vol. 186; p. 915.
- Lock. P. Günther. No. 1,052,052; Feb. 4; Gaz. vol. 187; p. 72.
- Lock. B. Van Hoesen. No. 1,052,105; Feb. 4; Gaz. vol. 187; p. 91.
- Lock. A. Holzhauer, Jr. No. 1,052,341; Feb. 4; Gaz. vol. 187; p. 169.
- Lock. A. Arens. No. 1,052,996; Feb. 11; Gaz. vol. 187; p. 426.
- Lock. F. Connaghan. No. 1,057,330; Mar. 25; Gaz. vol. 188; p. 1006.
- Lock. A. Arens. No. 1,057,795; Apr. 1; Gaz. vol. 189; p. 136.
- Lock. J. Paluh. No. 1,057,874; Apr. 1; Gaz. vol. 189; p. 165.
- Lock. J. V. Thompson. No. 1,057,898; Apr. 1; Gaz. vol. 189; p. 172.
- Lock. S. Frediani. No. 1,058,667; Apr. 8; Gaz. vol. 189; p. 480.
- Lock. M. J. O'Mara. No. 1,059,902; Apr. 22; Gaz. vol. 189; p. 974.
- Lock. P. F. Augenbraun. No. 1,060,413; Apr. 29; Gaz. vol. 189; p. 1196.
- Lock. R. Feola. No. 1,060,444; Apr. 29; Gaz. vol. 189; p. 1205.
- Lock. L. S. Newton. No. 1,060,484; Apr. 29; Gaz. vol. 189; p. 1219.
- Lock. N. Waing. No. 1,060,960; May 6; Gaz. vol. 190; p. 138.
- Lock. H. S. Hashim. No. 1,061,177; May 6; Gaz. vol. 190; p. 210.
- Lock. E. W. Bassick. No. 1,061,442; May 13; Gaz. vol. 190; p. 336.
- Lock. E. Schroeder. No. 1,061,571; May 13; Gaz. vol. 190; p. 383.
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- Lock. C. Schoenfeld. No. 1,062,302; May 20; Gaz. vol. 190; p. 669.
- Lock. H. M. Small. No. 1,062,512; May 20; Gaz. vol. 190; p. 738.
- Lock. G. F. Smith. No. 1,062,513; May 20; Gaz. vol. 190; p. 738.
- Lock. J. S. Isidor. No. 1,062,594; May 27; Gaz. vol. 190; p. 806.
- Lock. T. W. Cottle. No. 1,063,157; May 27; Gaz. vol. 190; p. 992.
- Lock. S. R. Parkes. No. 1,064,002; June 10; Gaz. vol. 191; p. 320.
- Lock. W. J. Carroll. No. 1,065,505; June 24; Gaz. vol. 191; p. 898.
- Lock. T. C. Evans. No. 1,065,514; June 24; Gaz. vol. 191; p. 901.
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- Lock. S. Segal. No. 1,065,848; June 24; Gaz. vol. 191; p. 1014.
- Lock. A. Przelomice. No. 1,067,135; July 8; Gaz. vol. 192; p. 454.
- Lock. J. Mueller. No. 1,067,187; July 8; Gaz. vol. 192; p. 473.
- Lock. G. E. Gaunt. No. 1,068,235; July 22; Gaz. vol. 192; p. 899.
- Lock. H. G. Voight and N. B. Hurd. (Reissue.) No. 13,601; July 22; Gaz. vol. 192; p. 960.
- Lock. C. F. Roth. No. 1,068,932; July 29; Gaz. vol. 192; p. 1181.
- Lock. A. Arens. No. 1,070,098; Aug. 12; Gaz. vol. 193; p. 377.
- Lock. W. H. Hadaway. No. 1,070,599; Aug. 19; Gaz. vol. 193; p. 591.
- Lock. J. Watson. No. 1,070,757; Aug. 19; Gaz. vol. 193; p. 644.
- Lock. A. Schwieger. No. 1,071,266; Aug. 26; Gaz. vol. 193; p. 846.
- Lock. B. Kotkovsky. No. 1,071,323; Aug. 26; Gaz. vol. 193; p. 865.
- Lock. E. R. Gaskill. No. 1,071,904; Sept. 2; Gaz. vol. 194; p. 81.
- Lock. H. Handfig. No. 1,071,913; Sept. 2; Gaz. vol. 194; p. 84.
- Lock. H. R. Gilson. No. 1,071,999; Sept. 2; Gaz. vol. 194; p. 114.
- Lock. J. Potapoff. No. 1,074,329; Sept. 30; Gaz. vol. 194; p. 1032.
- Lock. F. M. Doughty. No. 1,074,418; Sept. 30; Gaz. vol. 194; p. 1063.
- Lock. B. Borland. No. 1,075,139; Oct. 7; Gaz. vol. 195; p. 190.
- Lock. J. H. Robertson. No. 1,075,381; Oct. 14; Gaz. vol. 195; p. 302.
- Lock. A. M. Hoes. No. 1,075,914; Oct. 14; Gaz. vol. 195; p. 483.
- Lock. I. Lapidus. No. 1,076,587; Oct. 21; Gaz. vol. 195; p. 745.
- Lock. W. A. Ratcliff. No. 1,076,994; Oct. 28; Gaz. vol. 195; p. 942.
- Lock. M. Boldizs. No. 1,077,120; Oct. 28; Gaz. vol. 195; p. 983.
- Lock. I. S. Goldman. No. 1,078,192; Nov. 11; Gaz. vol. 196; p. 357.
- Lock. A. S. Franks. No. 1,078,425; Nov. 11; Gaz. vol. 196; p. 441.
- Lock. R. J. Keppel. No. 1,079,351; Nov. 25; Gaz. vol. 196; p. 820.
- Lock. A. Mourek. No. 1,081,133; Dec. 9; Gaz. vol. 197; p. 448.
- Lock. E. Zeckhauser. No. 1,083,173; Dec. 30; Gaz. vol. 197; p. 1237.
- Lock-alarm, Electric. J. H. Preston. No. 1,059,759; Apr. 22; Gaz. vol. 189; p. 928.
- Lock and circuit-breaker, Combination-. G. J. Buckeye. No. 1,071,633; Aug. 26; Gaz. vol. 193; p. 968.
- Lock and circuit-breaker, Combination-. G. J. Buckeye. No. 1,082,731; Dec. 30; Gaz. vol. 197; p. 1092.
- Lock and latch. A. Drury. No. 1,059,932; Apr. 22; Gaz. vol. 189; p. 984.
- Lock-bolt. H. Hughey. No. 1,053,604; Feb. 18; Gaz. vol. 187; p. 680.
- Lock construction, Unit-. H. G. Voight. No. 1,070,367; Aug. 12; Gaz. vol. 193; p. 469.
- Lock control. C. P. Burt. No. 1,064,608; June 10; Gaz. vol. 191; p. 526.
- Lock for automobile-boxes, &c. F. C. Miller. No. 1,053,527; Feb. 18; Gaz. vol. 187; p. 653.
- Lock for door-motors. J. F. McElroy. No. 1,056,924; Mar. 25; Gaz. vol. 188; p. 869.
- Lock for manifolds. W. C. Empey and D. L. Childs. No. 1,060,239; Apr. 29; Gaz. vol. 189; p. 1132.
- Lock for safety-deposit boxes. E. M. Benham. No. 1,049,648; Jan. 7; Gaz. vol. 186; p. 114.
- Lock key, Automatic safety-. A. Giacometti. No. 1,054,525; Feb. 25; Gaz. vol. 187; p. 1029.
- Lock mechanism. C. S. Radford. No. 1,070,178; Aug. 12; Gaz. vol. 193; p. 405.
- Lock-mortising machine. I. H. Bradley. No. 1,074,598; Oct. 7; Gaz. vol. 195; p. 4.
- Lock or fastening for railway and other carriage doors and the like. J. Bithell. No. 1,076,544; Oct. 21; Gaz. vol. 195; p. 730.
- Lock-strike. J. A. Dupuis. No. 1,059,530; Apr. 22; Gaz. vol. 189; p. 854.
- Lock-strike. J. Simler. No. 1,082,611; Dec. 30; Gaz. vol. 197; p. 1050.
- Lock-strike, Electric. F. F. Schneider. No. 1,072,996; Sept. 9; Gaz. vol. 194; p. 489.
- Lock-switch. W. Price and H. E. Sheridan. No. 1,077,554; Nov. 4; Gaz. vol. 196; p. 110.
- Lock switch, Door-. G. Wright and H. P. Ball. No. 1,075,955; Oct. 14; Gaz. vol. 195; p. 497.
- Locks, Latch mechanism for. W. A. Russell and A. G. Weiser. No. 1,074,296; Sept. 30; Gaz. vol. 194; p. 1021.

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- Locks of all kinds, Safety device with combinations for. L. J. M. Dardeau. No. 1,083,061; Dec. 30; Gaz. vol. 197; p. 1203.
- Locker. E. J. Lawrence and H. White. No. 1,076,378; Oct. 21; Gaz. vol. 195; p. 671.
- Locker, Coin-controlled. O. Mayer. No. 1,077,846; Nov. 4; Gaz. vol. 196; p. 207.
- Locker, Metallic. H. P. Beecher. No. 1,055,697; Mar. 11; Gaz. vol. 188; p. 386.
- Locker, Safety-. W. S. Farnsworth. No. 1,060,241; Apr. 29; Gaz. vol. 189; p. 1132.
- Locket. J. Nederland. No. 1,050,224; Jan. 14; Gaz. vol. 187; p. 584.
- Locking-clamp. T. Suters. No. 1,053,328; Feb. 18; Gaz. vol. 187; p. 584.
- Locking device. G. H. Daughtrey. No. 1,076,105; Oct. 21; Gaz. vol. 195; p. 577.
- Locking device. J. S. Lyons. No. 1,076,835; Oct. 28; Gaz. vol. 195; p. 885.
- Locking device for clasps. M. Schiff. No. 1,080,371; Dec. 2; Gaz. vol. 197; p. 160.
- Locking device for drawers of cabinets. E. Stuck. No. 1,076,528; Oct. 21; Gaz. vol. 195; p. 724.
- Locking-hook. L. Williams. No. 1,065,857; June 24; Gaz. vol. 191; p. 1017.
- Locking-hook for hats, coats, and umbrellas. N. Gaito. No. 1,068,756; July 29; Gaz. vol. 192; p. 1118.
- Locking mechanism. C. E. C. Edey. No. 1,049,828; Jan. 7; Gaz. vol. 186; p. 174.
- Locking mechanism. W. K. Howe. No. 1,074,175; Sept. 30; Gaz. vol. 194; p. 981.
- Locking mechanism. C. P. Hoffman. No. 1,079,047; Nov. 18; Gaz. vol. 196; p. 687.
- Locking mechanism for collapsible receptacles. A. E. Lockhart. No. 1,060,988; May 6; Gaz. vol. 190; p. 149.
- Locking-ring. W. L. Kelley. No. 1,077,282; Nov. 4; Gaz. vol. 196; p. 14.
- Locket. F. J. Wakefield. No. 1,057,513; Apr. 1; Gaz. vol. 189; p. 40.
- Locket. R. M. Ewing. No. 1,061,364; May 13; Gaz. vol. 190; p. 309.
- Locket. F. W. Ordning. No. 1,063,209; June 3; Gaz. vol. 191; p. 14.
- Locket. P. A. Willemijn. No. 1,075,529; Oct. 14; Gaz. vol. 195; p. 351.
- Locomotive. D. T. Fisher. No. 1,053,981; Feb. 25; Gaz. vol. 187; p. 843.
- Locomotive. H. B. MacFarland. No. 1,059,378; Apr. 22; Gaz. vol. 189; p. 801.
- Locomotive. R. E. Noble. No. 1,072,396; Sept. 2; Gaz. vol. 194; p. 247.
- Locomotive. H. G. Chatain. No. 1,076,407; Oct. 21; Gaz. vol. 195; p. 682.
- Locomotive. M. Mahoney. No. 1,078,630; Nov. 18; Gaz. vol. 196; p. 540.
- Locomotive. F. J. Doyle. No. 1,080,103; Dec. 2; Gaz. vol. 197; p. 64.
- Locomotive. F. J. Doyle. No. 1,081,494; Dec. 16; Gaz. vol. 197; p. 609.
- Locomotive and tender couplings, Buffer for. T. L. McKeen. No. 1,074,445; Sept. 30; Gaz. vol. 194; p. 1071.
- Locomotive, Articulated. L. W. Barger. No. 1,057,797; Apr. 1; Gaz. vol. 189; p. 137.
- Locomotive ash-pan. C. C. Mattox. No. 1,057,758; Apr. 1; Gaz. vol. 189; p. 123.
- Locomotive ash-pan. W. R. McKeen, Jr., and J. H. Grove. No. 1,059,059; Apr. 15; Gaz. vol. 189; p. 655.
- Locomotive attachment. W. A. Jones and W. A. Minchan. No. 1,078,624; Nov. 18; Gaz. vol. 196; p. 538.
- Locomotive-bearing. J. E. Webster. No. 1,080,032; Dec. 2; Gaz. vol. 197; p. 40.
- Locomotive-boiler. J. Pellington. No. 1,057,666; Apr. 1; Gaz. vol. 189; p. 93.
- Locomotive-boiler. G. B. Phillips. No. 1,067,674; July 15; Gaz. vol. 192; p. 676.
- Locomotive boiler, Articulated-. W. J. Leighty. No. 1,074,877; Oct. 7; Gaz. vol. 195; p. 98.
- Locomotive-brake-operating means, Automatic. D. E. Beers. No. 1,080,806; Dec. 9; Gaz. vol. 197; p. 341.
- Locomotive-cab storm-window. W. Slaughter. No. 1,072,184; Sept. 2; Gaz. vol. 194; p. 176.
- Locomotive-cab ventilator. W. W. Henry. No. 1,059,157; Apr. 15; Gaz. vol. 189; p. 689.
- Locomotive, Compound. H. R. Stafford. No. 1,066,232; July 1; Gaz. vol. 192; p. 117.
- Locomotive, Compound. H. R. Stafford. No. 1,066,334; July 1; Gaz. vol. 192; p. 152.
- Locomotive, Compressed-air. J. A. Forsyth. No. 1,081,377; Dec. 16; Gaz. vol. 197; p. 570.
- Locomotive cross-heads, Babbitting-machine for. R. Reiber. No. 1,083,137; Dec. 30; Gaz. vol. 197; p. 1228.
- Locomotive draft appliance. C. J. Mellin. No. 1,076,142; Oct. 21; Gaz. vol. 195; p. 589.
- Locomotive-drafting-valve mechanism. F. W. Martin and J. L. Mohun. No. 1,080,290; Dec. 2; Gaz. vol. 197; p. 130.
- Locomotive driving-box. J. R. Magarvey. No. 1,057,160; Mar. 25; Gaz. vol. 188; p. 950.
- Locomotive driving-box. F. J. Cole. No. 1,057,220; Mar. 25; Gaz. vol. 188; p. 972.
- Locomotive driving-box. H. Henricksen. No. 1,063,683; June 3; Gaz. vol. 191; p. 179.
- Locomotive driving connection. K. F. Elers. No. 1,056,894; Mar. 25; Gaz. vol. 188; p. 858.
- Locomotive driving connection. J. E. Webster. No. 1,070,564; Aug. 19; Gaz. vol. 193; p. 580.
- Locomotive driving connection, Electric-. N. W. Storer. No. 1,059,008; Apr. 15; Gaz. vol. 189; p. 638.
- Locomotive driving-wheel. A. F. Shore. No. 1,054,992; Mar. 4; Gaz. vol. 188; p. 115.
- Locomotive, Electric. G. M. Eaton. No. 1,067,325; July 15; Gaz. vol. 192; p. 558.
- Locomotive, Electric. J. L. Davis. No. 1,074,841; Oct. 7; Gaz. vol. 195; p. 85.
- Locomotive, Electric. G. M. Eaton. No. 1,080,051; Dec. 2; Gaz. vol. 197; p. 46.
- Locomotive-engine. F. J. Cole. No. 1,060,230; Apr. 29; Gaz. vol. 189; p. 1129.
- Locomotive exhaust apparatus. D. R. MacBain. No. 1,051,963; Feb. 4; Gaz. vol. 187; p. 41.
- Locomotive exhaust-tip. J. Carlson. No. 1,082,928; Dec. 30; Gaz. vol. 197; p. 1160.
- Locomotive fire-boxes, &c., Formation of stay-heads used in. A. C. Rogerson. No. 1,050,232; Jan. 14; Gaz. vol. 186; p. 343.
- Locomotive for coal-cars for use in mining, Electric. L. E. Armentrout. No. 1,053,144; Feb. 18; Gaz. vol. 187; p. 521.
- Locomotive-frame. G. C. Abbe. No. 1,060,396; Apr. 29; Gaz. vol. 189; p. 1189.
- Locomotive-frame. S. M. Vauclain. No. 1,076,336; Oct. 21; Gaz. vol. 195; p. 656.
- Locomotive-frame-pedestal brace. C. A. Steckert and E. W. O'Brien. No. 1,068,944; July 29; Gaz. vol. 192; p. 1185.
- Locomotive, Gathering-. R. R. Dunlop. No. 1,049,826; Jan. 7; Gaz. vol. 186; p. 173.
- Locomotive, Geared. S. M. Vauclain, M. Linton, and G. R. Henderson. No. 1,077,769; Nov. 4; Gaz. vol. 196; p. 182.
- Locomotive-grate shaker. S. S. Riegel. No. 1,065,725; June 24; Gaz. vol. 191; p. 972.
- Locomotive-grate shaker. F. W. Martin. No. 1,077,887; Nov. 4; Gaz. vol. 196; p. 221.
- Locomotive inspirator attachment. W. H. Gardner. No. 1,081,301; Dec. 16; Gaz. vol. 197; p. 543.
- Locomotive-journals, Hub-liner for. L. K. Smith. No. 1,074,752; Oct. 7; Gaz. vol. 195; p. 57.
- Locomotive, Mine-. W. C. Whitcomb. No. 1,055,845; Mar. 11; Gaz. vol. 188; p. 436.
- Locomotive, Mine-. W. F. Eckert and W. C. Whitcomb. No. 1,082,740; Dec. 30; Gaz. vol. 197; p. 1094.
- Locomotive or traction-engine. G. W. Volz. No. 1,074,028; Sept. 23; Gaz. vol. 194; p. 904.
- Locomotive-pilot. W. H. Mackorell and D. E. Winfree. No. 1,066,637; July 8; Gaz. vol. 192; p. 286.
- Locomotive-pilot. G. D. Bowen. No. 1,072,303; Sept. 2; Gaz. vol. 194; p. 214.
- Locomotive pilots and footboards, Connecting means for. S. E. Tout. No. 1,076,081; Oct. 21; Gaz. vol. 195; p. 568.
- Locomotive rack-tender. G. R. Henderson. No. 1,063,879; June 3; Gaz. vol. 191; p. 242.
- Locomotive, Railway-. M. Mahoney. No. 1,078,631; Nov. 18; Gaz. vol. 196; p. 540.
- Locomotive-reheater. G. Greenough. No. 1,057,727; Apr. 1; Gaz. vol. 189; p. 113.
- Locomotive-reversing mechanism. L. W. Barger. No. 1,057,796; Apr. 1; Gaz. vol. 189; p. 137.
- Locomotive safety appliance. J. T. Andrew. No. 1,056,724; Mar. 18; Gaz. vol. 188; p. 771.
- Locomotive sand-box. C. L. Heisler. No. 1,066,274; July 1; Gaz. vol. 192; p. 132.
- Locomotive-stack cover. W. H. Russell. No. 1,055,232; Mar. 4; Gaz. vol. 188; p. 192.
- Locomotive stop mechanism. E. O. Gray. No. 1,066,409; July 1; Gaz. vol. 192; p. 175.
- Locomotive supplemental boiler. E. C. Shaw. No. 1,057,361; Mar. 25; Gaz. vol. 188; p. 1017.
- Locomotive-tender. J. B. Hoar. No. 1,080,969; Dec. 9; Gaz. vol. 197; p. 397.
- Locomotive-tender frame. H. M. Pflager. No. 1,078,638; Nov. 18; Gaz. vol. 196; p. 543.
- Locomotive-tender gate. E. N. Packard. No. 1,070,517; Aug. 19; Gaz. vol. 193; p. 563.
- Locomotive tenders, Safety device for railway-. G. E. Bryant. No. 1,072,081; Sept. 2; Gaz. vol. 194; p. 140.
- Locomotive with independently-hung axles, Geared. W. A. Austin and L. E. Feightner. No. 1,077,580; Nov. 4; Gaz. vol. 196; p. 118.
- Locomotives and like engines, Blast-pipe for. J. Kay. No. 1,063,452; June 3; Gaz. vol. 191; p. 94.
- Locomotives and the like, Reversing-gear for. W. F. J. Casey and G. Cavin. No. 1,082,733; Dec. 30; Gaz. vol. 197; p. 1092.
- Locomotives, Apparatus for controlling the artificial blast in. G. De Grahl. No. 1,061,668; May 13; Gaz. vol. 190; p. 417.

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- Locomotives, Apparatus for controlling the artificial blast in. G. de Grahl. No. 1,063,430; June 3; Gaz. vol. 191; p. 88.
- Locomotives, Automatic switch mechanism for electric. R. R. Dunlop. No. 1,049,686; Jan. 7; Gaz. vol. 186; p. 126.
- Locomotives, Cable-reeling mechanism for electric. D. T. Fisher. No. 1,058,574; Apr. 8; Gaz. vol. 189; p. 449.
- Locomotives, Cable-reeling mechanism for electric. F. L. Sessions. No. 1,058,635; Apr. 8; Gaz. vol. 189; p. 469.
- Locomotives, Drifting device for. F. O. Whealon. No. 1,058,018; Apr. 1; Gaz. vol. 189; p. 213.
- Locomotives, Equalizing arrangement for. H. A. Hoke. No. 1,082,592; Dec. 30; Gaz. vol. 197; p. 1043.
- Locomotives, Frame connection for articulated. H. H. Vaughan. No. 1,064,032; June 10; Gaz. vol. 191; p. 329.
- Locomotives, Multiple control mechanism for steam-. D. F. Crawford. No. 1,057,941; Apr. 1; Gaz. vol. 189; p. 186.
- Locomotives, Tank-siphon for. J. E. Murray. No. 1,060,616; May 6; Gaz. vol. 190; p. 18.
- Log-bunk. E. B. Shields. No. 1,060,952; May 6; Gaz. vol. 190; p. 135.
- Log-bunk. E. G. Chandler. No. 1,066,795; July 8; Gaz. vol. 192; p. 340.
- Log-car. A. Olsson. No. 1,074,812; Oct. 7; Gaz. vol. 195; p. 76.
- Log-decking apparatus. J. T. O'Hara. No. 1,078,947; Nov. 18; Gaz. vol. 196; p. 650.
- Log-raft cradle. P. F. Dundon. No. 1,081,439; Dec. 16; Gaz. vol. 197; p. 590.
- Log-stake. B. T. Harrop. No. 1,079,172; Nov. 18; Gaz. vol. 196; p. 730.
- Log-transporting apparatus. F. W. Viering. (Reissue.) No. 1,3585; June 24; Gaz. vol. 191; p. 1040.
- Log-transporting apparatus. F. W. Viering. No. 1,066,345; July 1; Gaz. vol. 192; p. 155.
- Logging-car. B. Magor. No. 1,049,745; Jan. 7; Gaz. vol. 186; p. 145.
- Logging-car. J. T. Williams. No. 1,069,050; July 29; Gaz. vol. 192; p. 1220.
- Logging-car. J. M. Hassell. No. 1,071,412; Aug. 26; Gaz. vol. 193; p. 895.
- Logging-car bunk. W. Houghton. No. 1,082,464; Dec. 23; Gaz. vol. 197; p. 963.
- Logging-car chain-release. J. Dodd. No. 1,081,371; Dec. 16; Gaz. vol. 197; p. 568.
- Logging-cars, Bunk and locking-block for. C. F. Gerlinger. No. 1,071,997; Sept. 2; Gaz. vol. 194; p. 113.
- Logging-cars, Releasable stake for. H. Harder. No. 1,077,246; Oct. 28; Gaz. vol. 195; p. 1022.
- Logging-cars, Safety-bunk for. C. T. Eaid. No. 1,071,609; Aug. 26; Gaz. vol. 193; p. 960.
- Logging grip-hook. R. J. Long. No. 1,050,479; Jan. 14; Gaz. vol. 186; p. 431.
- Logging-jack. C. D. Moore. No. 1,051,616; Jan. 28; Gaz. vol. 186; p. 886.
- Logging or butt chain lead-block. J. E. Gilchrist. No. 1,060,676; May 6; Gaz. vol. 190; p. 38.
- Logging-wheel brake. W. Caves and T. J. Sawyer. No. 1,059,031; Apr. 15; Gaz. vol. 189; p. 646.
- Logic machine. C. P. R. Macaulay. No. 1,079,504; Nov. 25; Gaz. vol. 196; p. 872.
- Loom. D. Tinker and G. Boothroyd. No. 1,052,190; Feb. 4; Gaz. vol. 187; p. 121.
- Loom. S. S. Jackson. No. 1,052,417; Feb. 4; Gaz. vol. 187; p. 196.
- Loom. W. J. Lutton. No. 1,054,699; Mar. 4; Gaz. vol. 188; p. 15.
- Loom. S. Ledoux and J. Turcotte. No. 1,055,191; Mar. 4; Gaz. vol. 188; p. 180.
- Loom. M. L. Christian. No. 1,055,259; Mar. 4; Gaz. vol. 188; p. 201.
- Loom. E. Graf. No. 1,061,836; May 13; Gaz. vol. 190; p. 468.
- Loom. E. Schweser. No. 1,065,555; June 24; Gaz. vol. 191; p. 915.
- Loom. L. A. Aumann. No. 1,065,766; June 24; Gaz. vol. 191; p. 987.
- Loom. B. F. McGuinness. No. 1,068,799; July 29; Gaz. vol. 192; p. 1134.
- Loom. E. H. Ryon. No. 1,069,034; July 29; Gaz. vol. 192; p. 1214.
- Loom. T. P. Walsh. No. 1,069,651; Aug. 5; Gaz. vol. 193; p. 192.
- Loom. L. H. Landry. No. 1,071,245; Aug. 26; Gaz. vol. 193; p. 839.
- Loom. E. Stutz. No. 1,071,368; Aug. 26; Gaz. vol. 193; p. 880.
- Loom. R. W. Schrey. No. 1,072,877; Sept. 9; Gaz. vol. 194; p. 445.
- Loom. S. S. Jackson. No. 1,079,914; Nov. 25; Gaz. vol. 196; p. 1017.
- Loom attachment. J. Benz. No. 1,063,409; June 3; Gaz. vol. 191; p. 81.
- Loom attachment. W. A. Woods. No. 1,074,682; Oct. 7; Gaz. vol. 195; p. 34.
- Loom, Automatic filling-replenishing. R. Crompton. No. 1,057,411; Apr. 1; Gaz. vol. 189; p. 7.
- Loom batten structure, Narrow-ware. F. Benz, Jr. No. 1,050,202; Jan. 14; Gaz. vol. 186; p. 333.
- Loom-dobby. J. Tellier. No. 1,052,768; Feb. 11; Gaz. vol. 187; p. 346.
- Loom driving mechanism. A. Widmer. No. 1,052,542; Feb. 11; Gaz. vol. 187; p. 270.
- Loom driving mechanism. A. Widmer. No. 1,052,634; Feb. 11; Gaz. vol. 187; p. 302.
- Loom feeler-motion. J. Hendry. No. 1,081,909; Dec. 16; Gaz. vol. 197; p. 745.
- Loom filling-stand. F. E. Ashton. No. 1,082,186; Dec. 23; Gaz. vol. 197; p. 868.
- Loom for tying oriental knots. T. P. Walsh. No. 1,064,405; June 10; Gaz. vol. 191; p. 458.
- Loom for weaving. A. G. Koechlin. No. 1,073,145; Sept. 16; Gaz. vol. 194; p. 575.
- Loom for weaving bags, &c. S. S. Jackson. No. 1,081,384; Dec. 16; Gaz. vol. 197; p. 572.
- Loom for weaving fulled-valance hammocks. I. E. Palmer. No. 1,057,085; Mar. 25; Gaz. vol. 188; p. 924.
- Loom for weaving horsehair fabrics. C. R. Grosslaub. No. 1,054,537; Feb. 25; Gaz. vol. 187; p. 1032.
- Loom for weaving knotted fabrics. T. P. Walsh. No. 1,063,627; June 3; Gaz. vol. 191; p. 158.
- Loom for weaving knotted fabrics. T. P. Walsh. No. 1,067,205; July 8; Gaz. vol. 192; p. 479.
- Loom for weaving oriental knotted fabrics. T. P. Walsh. No. 1,071,973; Sept. 2; Gaz. vol. 194; p. 103.
- Loom for weaving oriental knotted fabrics. T. P. Walsh. No. 1,072,885; Sept. 9; Gaz. vol. 194; p. 448.
- Loom for weaving reticulate reinforcements. R. M. Jones. No. 1,058,982; Apr. 15; Gaz. vol. 189; p. 629.
- Loom for weaving wire-cloth. C. L. Hoff. No. 1,056,174; Mar. 18; Gaz. vol. 188; p. 582.
- Loom-gage. J. McMahon. No. 1,064,757; June 17; Gaz. vol. 191; p. 614.
- Loom. Hair-. G. T. Thorne. No. 1,069,497; Aug. 5; Gaz. vol. 193; p. 143.
- Loom, Haircloth-. K. H. Stöbbe. No. 1,054,249; Feb. 25; Gaz. vol. 187; p. 935.
- Loom harness-stop. C. Thibeault and W. Gagne. No. 1,079,455; Nov. 25; Gaz. vol. 196; p. 855.
- Loom head-motion. H. F. Livermore. No. 1,053,307; Feb. 18; Gaz. vol. 187; p. 576.
- Loom heddle-frame. J. Kaufmann. No. 1,077,719; Nov. 4; Gaz. vol. 196; p. 163.
- Loom heddle-frame. J. Giardino. No. 1,082,317; Dec. 23; Gaz. vol. 197; p. 917.
- Loom leno attachment. L. Hamer. No. 1,050,734; Jan. 14; Gaz. vol. 186; p. 514.
- Loom let-off mechanism. J. H. and H. Greenhalgh. No. 1,062,455; May 20; Gaz. vol. 190; p. 719.
- Loom let-off motion. I. Coulombe. No. 1,062,443; May 20; Gaz. vol. 190; p. 714.
- Loom, Narrow-ware. A. Emery. No. 1,057,133; Mar. 25; Gaz. vol. 188; p. 942.
- Loom pattern mechanism. E. H. Ryon. No. 1,073,635; Sept. 23; Gaz. vol. 194; p. 768.
- Loom picker-check. M. F. Field. No. 1,071,613; Aug. 26; Gaz. vol. 193; p. 961.
- Loom picker-check. E. S. Stimpson. No. 1,074,756; Oct. 7; Gaz. vol. 195; p. 59.
- Loom picking mechanism. M. M. Labue. No. 1,060,910; May 6; Gaz. vol. 190; p. 121.
- Loom, Pile-fabric. J. Haggerty. No. 1,059,151; Apr. 15; Gaz. vol. 189; p. 687.
- Loom, Pile-fabric. N. M. Shinn. No. 1,075,127; Oct. 7; Gaz. vol. 195; p. 185.
- Loom, Pile or tuft fabric. J. A. Clark and J. K. Dal-
kranian. No. 1,077,241; Oct. 28; Gaz. vol. 195; p. 1021.
- Loom-pitman. J. Northrop. No. 1,068,443; July 29; Gaz. vol. 192; p. 1010.
- Loom, Power-. J. Wintermayr. No. 1,054,734; Mar. 4; Gaz. vol. 188; p. 28.
- Loom-reed, Divided. C. Moriggl. No. 1,067,619; July 15; Gaz. vol. 192; p. 657.
- Loom, Ribbon-. J. Hausermann. No. 1,072,944; Sept. 9; Gaz. vol. 194; p. 470.
- Loom safety device. E. and R. Poehnert. No. 1,056,362; Mar. 18; Gaz. vol. 188; p. 644.
- Loom shedding mechanism. A. A. Gordon, Jr. No. 1,060,977; May 6; Gaz. vol. 190; p. 144.
- Loom shedding mechanism. A. A. Gordon, Jr. No. 1,062,151; May 20; Gaz. vol. 190; p. 618.
- Loom shedding mechanism. F. Lacey. No. 1,064,494; June 10; Gaz. vol. 191; p. 488.
- Loom shedding mechanism. E. H. Ryon. No. 1,068,822; July 29; Gaz. vol. 192; p. 1143.
- Loom shedding mechanism. E. H. Ryon. No. 1,077,757; Nov. 4; Gaz. vol. 196; p. 177.
- Loom-shuttle. E. Morriss. No. 1,051,152; Jan. 21; Gaz. vol. 186; p. 696.
- Loom-shuttle. W. H. Wilson. No. 1,059,252; Apr. 15; Gaz. vol. 189; p. 722.
- Loom-shuttle. A. Isherwood. No. 1,063,448; June 3; Gaz. vol. 191; p. 93.
- Loom-shuttle. J. F. O'Neill. No. 1,064,245; June 10; Gaz. vol. 191; p. 403.
- Loom-shuttle. A. Isherwood. No. 1,070,963; Aug. 19; Gaz. vol. 193; p. 709.

Alphabetical list of inventions—Continued.

- Loom-shuttle. A. Isherwood. No. 1,070,964; Aug. 19; Gaz. vol. 193; p. 710.
- Loom-shuttle. E. S. Stimpson. No. 1,082,049; Dec. 23; Gaz. vol. 197; p. 823.
- Loom-shuttle and bobbin therefor. W. P. Straw. No. 1,053,673; Feb. 18; Gaz. vol. 187; p. 703.
- Loom shuttle and spindle. G. M. Cheney. No. 1,054,391; Feb. 25; Gaz. vol. 187; p. 984.
- Loom shuttle-box-selecting mechanism. W. A. Clark. No. 1,077,904; Nov. 4; Gaz. vol. 196; p. 227.
- Loom shuttle-check. G. F. Hutchins. No. 1,051,112; Jan. 21; Gaz. vol. 186; p. 683.
- Loom shuttle-check. E. H. Ryon. No. 1,053,066; Feb. 11; Gaz. vol. 187; p. 450.
- Loom shuttle-check. E. H. Ryon. No. 1,068,823; July 29; Gaz. vol. 192; p. 1143.
- Loom shuttle-checking mechanism. C. H. Draper and J. Northrop. No. 1,058,292; Apr. 8; Gaz. vol. 189; p. 352.
- Loom shuttle-guard. T. O. Pope. No. 1,077,553; Nov. 4; Gaz. vol. 196; p. 110.
- Loom shuttle or filling-carrier. O. A. Sawyer. No. 1,076,393; Oct. 21; Gaz. vol. 195; p. 676.
- Loom shuttle-release. J. F. Pillsbury. No. 1,059,904; Apr. 22; Gaz. vol. 189; p. 974.
- Loom shuttle tension device. J. E. Emerson. No. 1,063,518; June 3; Gaz. vol. 191; p. 118.
- Loom shuttle, Weft-replenishing-. E. S. Stimpson. No. 1,074,662; Oct. 7; Gaz. vol. 195; p. 26.
- Loom shuttle, Weft-replenishing-. E. S. Stimpson. No. 1,074,908; Oct. 7; Gaz. vol. 195; p. 109.
- Loom-shuttles, Apparatus for automatically exchanging. R. Rosenthal. No. 1,058,628; Apr. 8; Gaz. vol. 189; p. 466.
- Loom-shuttles, Guide for. J. N. Le Vasseur-Belisle. No. 1,066,824; July 8; Gaz. vol. 192; p. 350.
- Loom spreader, Pile-fabric-. H. Le Doux. No. 1,054,969; Mar. 4; Gaz. vol. 192; p. 107.
- Loom stop-motion. A. Kean. No. 1,067,611; July 15; Gaz. vol. 192; p. 654.
- Loom stop-motion. W. H. Baker. No. 1,078,406; Nov. 11; Gaz. vol. 196; p. 435.
- Loom stopping mechanism. A. G. Koechlin. No. 1,082,086; Dec. 23; Gaz. vol. 197; p. 836.
- Loom-temple. C. D. Whiting. No. 1,055,585; Mar. 11; Gaz. vol. 188; p. 348.
- Loom-temple. J. Northrop. No. 1,067,836; July 22; Gaz. vol. 192; p. 763.
- Loom-temple, Thread-cutting. E. A. Cunniff. No. 1,049,458; Jan. 7; Gaz. vol. 186; p. 48.
- Loom tensioning device. A. B. Weissenborn. No. 1,053,333; Feb. 18; Gaz. vol. 187; p. 586.
- Loom thread-parter. J. Northrop. No. 1,078,210; Nov. 11; Gaz. vol. 196; p. 364.
- Loom warp stop mechanism. W. B. Monk. No. 1,061,553; May 13; Gaz. vol. 190; p. 377.
- Loom warp stop-motion. G. Hames. No. 1,058,860; Apr. 15; Gaz. vol. 189; p. 586.
- Loom warp stop-motion. J. Regan. No. 1,067,063; July 8; Gaz. vol. 192; p. 430.
- Loom warp stop-motion. A. E. Rhoades. No. 1,082,045; Dec. 23; Gaz. vol. 197; p. 822.
- Loom weft-carrier chute, Automatic-weft-replenishing-. M. L. Stone. No. 1,082,051; Dec. 23; Gaz. vol. 197; p. 824.
- Loom, Weft-replenishing. G. F. Hutchins. No. 1,051,595; Jan. 28; Gaz. vol. 186; p. 879.
- Loom, Weft-replenishing. H. Wyman and G. F. Hutchins. No. 1,051,657; Jan. 28; Gaz. vol. 186; p. 900.
- Loom, Weft-replenishing. H. Wyman. No. 1,058,691; Apr. 8; Gaz. vol. 189; p. 488.
- Loom, Weft-replenishing. E. H. Ryon. No. 1,074,530; Sept. 30; Gaz. vol. 194; p. 1097.
- Loom, Weft-replenishing. E. H. Ballou. No. 1,082,390; Dec. 23; Gaz. vol. 197; p. 941.
- Loom weft-replenishing mechanism, Automatic. B. Elmendorf and J. Gabler. No. 1,060,830; May 6; Gaz. vol. 190; p. 91.
- Loom weft-replenishing mechanism, Automatic. B. Elmendorf and J. Gabler. No. 1,060,831; May 6; Gaz. vol. 190; p. 92.
- Loom, Wire-. H. Lindsay. No. 1,052,929; Feb. 11; Gaz. vol. 187; p. 404.
- Looms, Apparatus for catching and holding the reserve thread in weft-replenishing. A. Imbach. No. 1,058,977; Apr. 15; Gaz. vol. 189; p. 628.
- Looms, Automatic stopping device for lace-. T. Thompson. No. 1,076,798; Oct. 28; Gaz. vol. 195; p. 872.
- Looms, Automatic weft-bobbin-exchanging device for. A. G. Koechlin. No. 1,074,629; Oct. 7; Gaz. vol. 195; p. 14.
- Looms, Batten structure for narrow-ware. F. Benz, Jr. No. 1,059,972; Apr. 29; Gaz. vol. 189; p. 1041.
- Looms, Batten structure for narrow-ware. F. Benz, Jr. No. 1,063,178; June 3; Gaz. vol. 191; p. 3.
- Looms, Batten structure for narrow-ware. A. Widmer. No. 1,066,771; July 8; Gaz. vol. 192; p. 333.
- Looms, Beam-lock for. C. E. Bailey. No. 1,077,385; Nov. 4; Gaz. vol. 196; p. 50.
- Looms, Brake mechanism for. A. Forand, Jr. No. 1,059,601; Apr. 22; Gaz. vol. 189; p. 876.
- Looms, Card for Jacquard. G. W. Stokes. No. 1,053,451; Feb. 18; Gaz. vol. 187; p. 627.
- Looms, Change box-motion for power-. G. Schwabe. No. 1,076,791; Oct. 28; Gaz. vol. 195; p. 870.
- Looms, Construction of power-. J. Wintermayr. No. 1,080,091; Dec. 2; Gaz. vol. 197; p. 60.
- Looms, Driving connection for picker-sticks of weaving-. V. Riel. No. 1,072,502; Sept. 9; Gaz. vol. 194; p. 312.
- Looms, Electromechanical warp stop-motion for. J. F. Dustin. No. 1,079,116; Nov. 18; Gaz. vol. 196; p. 710.
- Looms, Filling-depressor for weft-replenishing. B. F. McGuinness. No. 1,070,712; Aug. 19; Gaz. vol. 193; p. 628.
- Looms, Filling-feeder for filling-replenishing. A. E. Rhoades. No. 1,059,638; Apr. 22; Gaz. vol. 189; p. 888.
- Looms, Filling-thread-cutting mechanism for weft-replenishing. A. F. Morell and A. A. Gordon, Jr. No. 1,070,979; Aug. 19; Gaz. vol. 193; p. 714.
- Looms for weaving, Reed for. R. König. No. 1,055,543; Mar. 11; Gaz. vol. 188; p. 334.
- Looms, Friction let-off mechanism for. A. J. Riley. No. 1,061,500; May 13; Gaz. vol. 190; p. 356.
- Looms having electrical stopping and signaling devices, Current-distributor for power-. A. G. Koechlin. No. 1,082,429; Dec. 23; Gaz. vol. 197; p. 953.
- Looms, Head-motion for. E. H. Ryon. No. 1,075,862; Oct. 14; Gaz. vol. 195; p. 465.
- Looms, Let-back for take-up mechanism of. S. S. Jackson. No. 1,079,296; Nov. 18; Gaz. vol. 196; p. 769.
- Looms, Loop-cutting mechanism for pile-fabric. W. Wattie. No. 1,054,952; Mar. 4; Gaz. vol. 188; p. 101.
- Looms, Machine for selecting, spooling, shearing, and drawing in yarn for Axminster. T. P. Walsh. No. 1,069,914; Aug. 12; Gaz. vol. 193; p. 314.
- Looms, Machine for selecting, spooling, shearing, and drawing in yarn for Axminster. T. P. Walsh. (Re-issue.) No. 13,640; Nov. 4; Gaz. vol. 196; p. 252.
- Looms, Pile-cutting attachment for. A. F. McCollum. No. 1,049,891; Jan. 7; Gaz. vol. 186; p. 194.
- Looms, Pile-cutting mechanism for tuft-fabric. J. T. Cyr and J. K. Dalkraian. No. 1,077,242; Oct. 28; Gaz. vol. 195; p. 1021.
- Looms, Power-gage device for picker-sticks of. F. M. Lamb. No. 1,076,585; Oct. 21; Gaz. vol. 195; p. 745.
- Looms, Shipping and brake mechanism for. F. A. Whitmore. No. 1,070,215; Aug. 12; Gaz. vol. 193; p. 417.
- Looms, Weft-fork actuator for. O. A. Sawyer. No. 1,067,941; July 22; Gaz. vol. 192; p. 798.
- Looms, Weft-parter device for. S. S. Jackson. No. 1,064,651; June 10; Gaz. vol. 191; p. 540.
- Loop attachment, Adjustable. H. C. Hazard. No. 1,081,609; Dec. 16; Gaz. vol. 197; p. 646.
- Loss-preventing device. W. M. Bird. No. 1,068,209; July 22; Gaz. vol. 192; p. 890.
- Low-water alarm. C. W. Ford. No. 1,064,138; June 10; Gaz. vol. 191; p. 367.
- Low-water alarm, Steam-boiler. H. A. Hoke. No. 1,050,023; Jan. 7; Gaz. vol. 186; p. 238.
- Lowering device. J. T. Boufford. No. 1,071,502; Aug. 26; Gaz. vol. 193; p. 924.
- Lowering device, Automatic. C. E. Wright and J. J. Borah. No. 1,056,616; Mar. 18; Gaz. vol. 188; p. 733.
- Lubricant-distributor. W. H. Youtsey. No. 1,081,419; Dec. 16; Gaz. vol. 197; p. 583.
- Lubricant for wheels. L. D. Pettit. No. 1,081,059; Dec. 9; Gaz. vol. 197; p. 424.
- Lubricant-retaining means. A. T. Brown. No. 1,072,421; Sept. 9; Gaz. vol. 194; p. 283.
- Lubricating apparatus. W. L. Morris. No. 1,074,730; Oct. 7; Gaz. vol. 195; p. 50.
- Lubricating apparatus. C. S. Bavier. No. 1,078,407; Nov. 11; Gaz. vol. 196; p. 435.
- Lubricating apparatus, Force-feed. W. E. Richardson and R. R. Kelth. No. 1,051,449; Jan. 28; Gaz. vol. 186; p. 829.
- Lubricating-block. T. R. Ferrall. No. 1,070,240; Aug. 12; Gaz. vol. 193; p. 426.
- Lubricating compound. C. W. Adams. No. 1,066,971; July 8; Gaz. vol. 192; p. 400.
- Lubricating-cup for wagons. G. E. Marbel. No. 1,081,457; Dec. 16; Gaz. vol. 197; p. 596.
- Lubricating device. F. P. Busiel. No. 1,056,399; Mar. 18; Gaz. vol. 188; p. 655.
- Lubricating device. C. C. Doss. No. 1,071,894; Sept. 2; Gaz. vol. 194; p. 78.
- Lubricating device. A. F. Kirschbaum. No. 1,072,619; Sept. 9; Gaz. vol. 194; p. 353.
- Lubricating device. H. Martin. No. 1,078,449; Nov. 11; Gaz. vol. 196; p. 449.
- Lubricating device for plug-cocks. E. Martin. No. 1,069,156; Aug. 5; Gaz. vol. 193; p. 23.
- Lubricating machine-tools, Means for. E. J. Kearney and T. Trecker. No. 1,065,689; June 24; Gaz. vol. 191; p. 961.
- Lubricating mechanism, Adjustable. J. G. Perrin. No. 1,050,387; Jan. 14; Gaz. vol. 186; p. 397.
- Lubricating system. P. Daimler and A. Heess. No. 1,050,108; Jan. 14; Gaz. vol. 186; p. 302.
- Lubricating system. P. Daimler. No. 1,050,811; Jan. 14; Gaz. vol. 186; p. 576.

Alphabetical list of inventions—Continued.

- Lubricating system. R. A. McKee. No. 1,053,846; Feb. 18; Gaz. vol. 187; p. 760.
- Lubricating system. S. T. Arnold. No. 1,057,026; Mar. 25; Gaz. vol. 188; p. 905.
- Lubricating system. E. Woerner. No. 1,062,377; May 20; Gaz. vol. 190; p. 694.
- Lubricating system. H. F. Maranville. No. 1,071,068; Aug. 26; Gaz. vol. 193; p. 780.
- Lubricating system. H. F. Maranville. No. 1,071,623; Aug. 26; Gaz. vol. 193; p. 965.
- Lubrication. S. M. Jenkins. No. 1,073,606; Sept. 23; Gaz. vol. 194; p. 758.
- Lubrication, Splash system of. E. M. White. (Reissue.) No. 13,651; Nov. 18; Gaz. vol. 196; p. 782.
- Lubricator: See Automatic lubricator; Axle-lubricator; Car-wheel lubricator; Elevator-guide-rail lubricator; Engine-lubricator; Flange-lubricator; Force-feed lubricator; Graphite lubricator; Handsaw-lubricator; Journal-lubricator; Oil-drop lubricator; Piston-rod lubricator; Separator-lubricator; Sight-feed lubricator; Spindle-lubricator; Vehicle-lubricator; Wheel-flange lubricator; Windmill-lubricator.
- Lubricator. A. R. Pribil. No. 1,050,690; Jan. 14; Gaz. vol. 186; p. 499.
- Lubricator. W. S. McClung. No. 1,051,609; Jan. 28; Gaz. vol. 186; p. 884.
- Lubricator. P. D'Oultremont. No. 1,052,982; Feb. 4; Gaz. vol. 187; p. 46.
- Lubricator. J. A. Harbison. No. 1,053,030; Feb. 11; Gaz. vol. 187; p. 436.
- Lubricator. J. F. Cooley. No. 1,054,636; Feb. 25; Gaz. vol. 187; p. 1066.
- Lubricator. E. A. Kelsey. No. 1,055,540; Mar. 11; Gaz. vol. 188; p. 333.
- Lubricator. R. Robinson. No. 1,056,371; Mar. 18; Gaz. vol. 188; p. 647.
- Lubricator. W. Wittkopf. No. 1,060,303; Apr. 29; Gaz. vol. 189; p. 1155.
- Lubricator. T. W. Mitchell and R. A. Jones. No. 1,060,692; May 6; Gaz. vol. 190; p. 44.
- Lubricator. O. Ohlsson. No. 1,062,846; May 27; Gaz. vol. 190; p. 889.
- Lubricator. J. G. Vincent. No. 1,063,143; May 27; Gaz. vol. 190; p. 987.
- Lubricator. E. M. Mackie and J. A. Thompson. No. 1,063,560; June 3; Gaz. vol. 191; p. 132.
- Lubricator. G. F. Edgington. No. 1,064,717; June 17; Gaz. vol. 191; p. 600.
- Lubricator. H. T. Clark. No. 1,065,219; June 17; Gaz. vol. 191; p. 761.
- Lubricator. S. C. Cutler and W. H. Brown. No. 1,065,345; June 24; Gaz. vol. 191; p. 843.
- Lubricator. F. D. Winkley. No. 1,066,238; July 1; Gaz. vol. 192; p. 120.
- Lubricator. H. W. A. Wellens. No. 1,067,852; July 22; Gaz. vol. 192; p. 769.
- Lubricator. E. J. Abbott and W. B. Hopkins. No. 1,068,199; July 22; Gaz. vol. 192; p. 887.
- Lubricator. E. V. Lambeth. No. 1,069,437; Aug. 5; Gaz. vol. 193; p. 123.
- Lubricator. R. Coates. No. 1,069,677; Aug. 12; Gaz. vol. 193; p. 232.
- Lubricator. N. W. Cummins. No. 1,069,925; Aug. 12; Gaz. vol. 193; p. 318.
- Lubricator. J. G. Utz. No. 1,070,753; Aug. 19; Gaz. vol. 193; p. 643.
- Lubricator. R. S. Campbell. No. 1,070,944; Aug. 19; Gaz. vol. 193; p. 703.
- Lubricator. G. R. Kennedy. No. 1,071,754; Sept. 2; Gaz. vol. 194; p. 29.
- Lubricator. W. H. Knowles and W. F. Goreham. No. 1,073,911; Sept. 23; Gaz. vol. 194; p. 864.
- Lubricator. J. F. McCanna. No. 1,074,128; Sept. 30; Gaz. vol. 194; p. 966.
- Lubricator. S. D. Jones. No. 1,074,867; Oct. 7; Gaz. vol. 195; p. 94.
- Lubricator. W. J. Faul. No. 1,078,268; Nov. 11; Gaz. vol. 196; p. 384.
- Lubricator. J. H. Van Sinderen. No. 1,080,027; Dec. 2; Gaz. vol. 197; p. 38.
- Lubricator. F. C. Jr., and J. J. Fiechter. No. 1,081,951; Dec. 23; Gaz. vol. 197; p. 788.
- Lubricator for air-cylinders of locomotive-air-brake pumps. W. C. Hedgcock. No. 1,049,478; Jan. 7; Gaz. vol. 186; p. 54.
- Lubricators, Sight-feed attachment for. F. W. Edwards. No. 1,071,148; Aug. 26; Gaz. vol. 193; p. 806.
- Lubricators, Vaporizing device for. E. R. Gudeman, A. E. Reynolds, and R. E. Welker. No. 1,065,239; June 17; Gaz. vol. 191; p. 770.
- Lug-strap for picker-sticks. W. H. Kelley. No. 1,058,597; Apr. 8; Gaz. vol. 189; p. 457.
- Lug, Terminal. H. J. Wiegand. No. 1,067,702; July 15; Gaz. vol. 192; p. 685.
- Lug, Traction. J. G. Brown. No. 1,077,667; Nov. 4; Gaz. vol. 196; p. 147.
- Luggage, Carriage for hand-. M. Durkin. No. 1,081,221; Dec. 9; Gaz. vol. 197; p. 478.
- Luggage-carrier. F. G. Parker. No. 1,081,326; Dec. 16; Gaz. vol. 197; p. 552.
- Lumber-dipping tank. W. C. Trout. No. 1,052,985; Feb. 11; Gaz. vol. 187; p. 422.
- Lumber-dovetailing machine. B. A. Linderman. No. 1,052,600; Feb. 11; Gaz. vol. 187; p. 290.
- Lumber-drier. A. D. Linn. No. 1,055,339; Mar. 11; Gaz. vol. 188; p. 267.
- Lumber-drying kiln. A. D. Linn. No. 1,055,338; Mar. 11; Gaz. vol. 188; p. 267.
- Lumber-jack. W. E. Yerks. No. 1,071,198; Aug. 26; Gaz. vol. 193; p. 822.
- Lumber, Treating. L. Moore. No. 1,054,597; Feb. 25; Gaz. vol. 187; p. 1053.
- Lunch-box. J. F. Lamb. No. 1,053,097; Feb. 11; Gaz. vol. 187; p. 461.
- Lunch-box. J. F. Lamb. No. 1,058,068; Apr. 8; Gaz. vol. 189; p. 274.
- Lunch-box. J. F. Lamb. No. 1,061,386; May 13; Gaz. vol. 190; p. 316.
- Lunch-box. A. Roche. No. 1,071,797; Sept. 2; Gaz. vol. 194; p. 45.
- Lunch-holder. H. Grover, Jr. No. 1,049,706; Jan. 7; Gaz. vol. 186; p. 133.
- Lute, putty, and the like, Manufacturing. C. F. Ljungdahl. No. 1,078,864; Nov. 18; Gaz. vol. 196; p. 623.
- Machine and portable track therefor, Combined self-propelling. G. E. Turner. No. 1,069,045; July 29; Gaz. vol. 192; p. 1218.
- Machine element. M. D. Baldwin. No. 1,075,321; Oct. 14; Gaz. vol. 195; p. 279.
- Machine-jack. J. Tuck. No. 1,065,747; June 24; Gaz. vol. 191; p. 980.
- Machine of the turret type for turning and like operations. H. Austin. No. 1,076,734; Oct. 28; Gaz. vol. 195; p. 850.
- Machine-recorder-controlling means. A. C. Johnson. No. 1,082,083; Dec. 23; Gaz. vol. 197; p. 835.
- Machine-tool feed-control mechanism. W. Runge. No. 1,052,279; Feb. 4; Gaz. vol. 187; p. 150.
- Machine-tools, Cross-rail-securing device for. E. P. Bullard, Jr. No. 1,058,720; Apr. 15; Gaz. vol. 189; p. 535.
- Machine-tools, Cutting-lubricant attachment for. E. P. Bullard, Jr. No. 1,076,947; Oct. 28; Gaz. vol. 195; p. 926.
- Machine-tools, Cutting-lubricant device for. E. P. Bullard, Jr. No. 1,076,948; Oct. 28; Gaz. vol. 195; p. 926.
- Machine-tools, Feed mechanism for. A. H. Smith. No. 1,057,097; Mar. 25; Gaz. vol. 188; p. 930.
- Machine-tools, Spindle-nose appliance for. W. Schellenbach. No. 1,070,990; Aug. 19; Gaz. vol. 193; p. 718.
- Machinery, Anchoring means for movable. C. S. Denney. No. 1,068,114; July 22; Gaz. vol. 192; p. 856.
- Machinery-efficiency recorder. J. G. McIntosh. No. 1,066,744; July 8; Gaz. vol. 192; p. 324.
- Machinist's clamp. R. Renholtsen. No. 1,057,499; Apr. 1; Gaz. vol. 189; p. 35.
- Magazine for automatic machines. W. Victory and W. J. Parsons. No. 1,065,088; June 17; Gaz. vol. 191; p. 721.
- Magazine-pipe. A. A. Karnes. No. 1,053,039; Feb. 11; Gaz. vol. 187; p. 440.
- Magnesium, Preparation of metallic. R. W. Wallace and E. Wassmer. No. 1,079,079; Nov. 18; Gaz. vol. 196; p. 698.
- Magnet and winding for electrical machines. Field-. C. H. Smoot. No. 1,054,047; Feb. 25; Gaz. vol. 187; p. 866.
- Magnet, Field-. E. Volkers. No. 1,052,535; Feb. 11; Gaz. vol. 187; p. 268.
- Magnetic and centrifugal brake, Combined. G. F. Atwood. No. 1,067,454; July 15; Gaz. vol. 192; p. 601.
- Magnetic circuits, Water-tight joint for. R. C. Patton. No. 1,082,134; Dec. 23; Gaz. vol. 197; p. 851.
- Magnetic material. R. A. Fessenden. No. 1,074,424; Sept. 30; Gaz. vol. 194; p. 1064.
- Magnetic objects of oblong shape, Machine for facilitating the packing of. O. Gamper. No. 1,080,435; Dec. 2; Gaz. vol. 197; p. 183.
- Magnetic qualities of a magnetic body, Improving the. R. A. Hadfield. No. 1,082,947; Dec. 30; Gaz. vol. 197; p. 1166.
- Magnetic qualities of a magnetic body, Improving the. R. A. Hadfield. No. 1,082,948; Dec. 30; Gaz. vol. 197; p. 1166.
- Magnetic separation, Method and apparatus for. O. A. Zander. No. 1,074,999; Oct. 7; Gaz. vol. 195; p. 140.
- Magnetic separator. J. C. Preslar. No. 1,051,758; Jan. 28; Gaz. vol. 186; p. 931.
- Magnetic separator. H. W. Freese. No. 1,061,666; May 13; Gaz. vol. 190; p. 415.
- Magnetic separator. G. Ullrich. No. 1,067,287; July 15; Gaz. vol. 192; p. 545.
- Magnetic separator. L. G. Rowand. No. 1,068,453; July 29; Gaz. vol. 192; p. 1013.
- Magnetic separator. J. Weatherby. No. 1,071,838; Sept. 2; Gaz. vol. 194; p. 58.
- Magnetic separator. G. Ullrich. No. 1,072,276; Sept. 2; Gaz. vol. 194; p. 204.
- Magnetic separator, Polyphase. H. L. Isbell. No. 1,066,619; July 8; Gaz. vol. 192; p. 279.
- Magnetic switch. C. G. Miller. No. 1,061,919; May 13; Gaz. vol. 190; p. 496.

Alphabetical list of inventions—Continued.

- Magnetic wheel. J. O. Heinze, Jr. No. 1,063,259; June 3; Gaz. vol. 191; p. 30.
- Magneto. H. Adelson. No. 1,063,947; June 10; Gaz. vol. 191; p. 299.
- Magneto. E. S. Huff. No. 1,066,729; July 8; Gaz. vol. 192; p. 319.
- Magneto. P. Beck. No. 1,073,020; Sept. 9; Gaz. vol. 194; p. 496.
- Magneto attachment. W. S. Burnett. No. 1,063,651; June 3; Gaz. vol. 191; p. 167.
- Magneto construction. B. Wheelchel. No. 1,050,503; Jan. 14; Gaz. vol. 186; p. 439.
- Magneto-generator. L. J. Flint. No. 1,062,089; May 20; Gaz. vol. 190; p. 597.
- Magneto, Ignition-. A. L. Heizer. No. 1,060,182; Apr. 29; Gaz. vol. 189; p. 1112.
- Magneto, Ignition-. A. L. Heizer. No. 1,062,156; May 20; Gaz. vol. 190; p. 620.
- Magneto-interrupter. W. E. Dow. No. 1,053,164; Feb. 18; Gaz. vol. 187; p. 527.
- Magneto timing device. O. H. H. Heins. No. 1,056,098; Mar. 18; Gaz. vol. 188; p. 555.
- Magnetos, Brush-holder attachment for. O. Fischer. No. 1,070,793; Aug. 19; Gaz. vol. 193; p. 656.
- Magnetos, Ignition-timing device for. D. M. Wilson. No. 1,060,871; May 6; Gaz. vol. 190; p. 106.
- Magnifying device. P. Harrison. No. 1,059,868; Apr. 22; Gaz. vol. 189; p. 962.
- Mail-bag. N. C. Newerf. No. 1,060,697; May 6; Gaz. vol. 190; p. 46.
- Mail-bag. C. A. L. Kirkpatrick. No. 1,071,240; Aug. 26; Gaz. vol. 193; p. 837.
- Mail-bag catcher. W. A. Miskimen. No. 1,052,609; Feb. 11; Gaz. vol. 187; p. 294.
- Mail-bag catcher. A. Ponton. No. 1,056,449; Mar. 18; Gaz. vol. 188; p. 675.
- Mail-bag catcher. J. Wade. No. 1,059,792; Apr. 22; Gaz. vol. 189; p. 940.
- Mail-bag catcher. F. Hansen. No. 1,062,461; May 20; Gaz. vol. 190; p. 720.
- Mail-bag catcher. L. Palmer. No. 1,069,718; Aug. 12; Gaz. vol. 193; p. 246.
- Mail-bag catcher. W. H. Raymond. No. 1,069,979; Aug. 12; Gaz. vol. 193; p. 335.
- Mail-bag catcher and deliverer. R. J. Freeman. No. 1,050,634; Jan. 14; Gaz. vol. 186; p. 483.
- Mail-bag catcher and deliverer. M. F. Heathcock. No. 1,050,651; Jan. 14; Gaz. vol. 186; p. 488.
- Mail-bag catcher and deliverer. S. E. Brown. No. 1,051,676; Jan. 28; Gaz. vol. 186; p. 905.
- Mail-bag catcher and deliverer. J. D. Leonard. No. 1,061,854; May 13; Gaz. vol. 190; p. 474.
- Mail-bag catcher and deliverer. R. L. Garrison. No. 1,067,650; July 15; Gaz. vol. 192; p. 667.
- Mail-bag catcher and deliverer, Automatic. A. Broussard. No. 1,071,391; Aug. 26; Gaz. vol. 193; p. 888.
- Mail-bag catching and delivering apparatus. W. Le Clair, Jr. No. 1,050,064; Jan. 7; Gaz. vol. 186; p. 253.
- Mail-bag catching and delivering apparatus. H. Kershaw. No. 1,058,759; Apr. 15; Gaz. vol. 189; p. 550.
- Mail-bag catching and delivering apparatus. H. W. Brown. No. 1,080,746; Dec. 9; Gaz. vol. 197; p. 319.
- Mail-bag catching and delivering device. A. F. Martel. No. 1,065,822; June 24; Gaz. vol. 191; p. 1005.
- Mail-bag catching and delivering mechanism. W. T. Rook. No. 1,060,632; May 6; Gaz. vol. 190; p. 23.
- Mail-bag catching and delivering mechanism. W. H. Newton. No. 1,063,580; June 3; Gaz. vol. 191; p. 139.
- Mail-bag catching and delivering mechanism. W. H. Newton. No. 1,066,137; July 1; Gaz. vol. 192; p. 82.
- Mail-bag catching and delivery apparatus. L. E. Clingenpeel. No. 1,058,553; Apr. 8; Gaz. vol. 189; p. 442.
- Mail-bag catching and delivery apparatus. E. A. Pieters. No. 1,067,675; July 15; Gaz. vol. 192; p. 676.
- Mail-bag-catching apparatus. L. W. and G. R. Troxell. No. 1,068,286; July 22; Gaz. vol. 192; p. 918.
- Mail-bag collecting and delivering apparatus. E. S. Priddy. No. 1,061,498; May 13; Gaz. vol. 190; p. 355.
- Mail-bag deliverer. H. W. Bender. No. 1,067,395; July 15; Gaz. vol. 192; p. 580.
- Mail-bag delivering and receiving apparatus. E. Baker. No. 1,065,203; June 17; Gaz. vol. 191; p. 756.
- Mail bag delivering and receiving apparatus. E. G. Crossley. No. 1,070,231; Aug. 12; Gaz. vol. 193; p. 423.
- Mail-bag-delivering apparatus. C. J. M. Weber. No. 1,077,323; Nov. 4; Gaz. vol. 196; p. 29.
- Mail-bag-delivering device. E. H. Appleby. No. 1,076,859; Oct. 28; Gaz. vol. 195; p. 895.
- Mail-bag-delivery apparatus. G. N. Douttiel. No. 1,067,473; July 15; Gaz. vol. 192; p. 607.
- Mail-bag fastener. I. L. Hood. No. 1,076,037; Oct. 21; Gaz. vol. 195; p. 553.
- Mail-bag-handling apparatus. H. F. Hansmann. No. 1,063,435; June 3; Gaz. vol. 191; p. 89.
- Mail-bag-handling apparatus. G. N. Douttiel. No. 1,065,432; June 24; Gaz. vol. 191; p. 873.
- Mail-bag-handling apparatus. H. F. Brunkenhoefer. No. 1,078,768; Nov. 18; Gaz. vol. 196; p. 590.
- Mail-bag holder. G. W. Curtis. No. 1,073,402; Sept. 16; Gaz. vol. 194; p. 668.
- Mail-bag receiving and delivering apparatus. M. N. George. No. 1,052,241; Feb. 4; Gaz. vol. 187; p. 138.
- Mail-bag receiving and delivering apparatus. H. J. Hedrick. No. 1,081,908; Dec. 16; Gaz. vol. 197; p. 745.
- Mail-bag receiving and delivering mechanism. W. H. Jones. No. 1,050,278; Jan. 14; Gaz. vol. 186; p. 359.
- Mail-bag ring. W. H. Jones. No. 1,075,212; Oct. 7; Gaz. vol. 195; p. 215.
- Mail-bag safety appliance. T. E. McCann. No. 1,051,145; Jan. 21; Gaz. vol. 186; p. 693.
- Mail-bag-transfer device. A. F. Kruser. No. 1,078,789; Nov. 18; Gaz. vol. 196; p. 598.
- Mail-bag-transferring device. D. F. Keller. No. 1,081,672; Dec. 16; Gaz. vol. 197; p. 665.
- Mail-bags, Distributing-chute for. G. A. Gasman and F. G. Murray. No. 1,051,368; Jan. 21; Gaz. vol. 186; p. 767.
- Mail-box. G. N. Thorson. No. 1,050,252; Jan. 14; Gaz. vol. 186; p. 350.
- Mail-box. C. E. Martzloff and F. X. Marshall. No. 1,052,159; Feb. 4; Gaz. vol. 187; p. 109.
- Mail-box. J. W. Strobel. No. 1,052,981; Feb. 11; Gaz. vol. 187; p. 420.
- Mail-box. W. H. Dodson. No. 1,054,911; Mar. 4; Gaz. vol. 188; p. 88.
- Mail-box. M. E. Margeson. No. 1,055,198; Mar. 4; Gaz. vol. 188; p. 182.
- Mail-box. J. C. Gabel. No. 1,055,735; Mar. 11; Gaz. vol. 188; p. 398.
- Mail-box. S. Frediani. No. 1,058,419; Apr. 8; Gaz. vol. 189; p. 398.
- Mail-box. J. A. Ammann. No. 1,060,659; May 6; Gaz. vol. 190; p. 32.
- Mail-box. T. E. Mela. No. 1,062,785; May 27; Gaz. vol. 190; p. 869.
- Mail-box. O. J. W. Gleason. No. 1,065,353; June 24; Gaz. vol. 191; p. 846.
- Mail-box. U. C. Greggs and E. H. Falls. No. 1,074,713; Oct. 7; Gaz. vol. 195; p. 44.
- Mail-box. T. B. Hyatt. No. 1,081,383; Dec. 16; Gaz. vol. 197; p. 572.
- Mail-box. P. Amadeo. No. 1,082,787; Dec. 30; Gaz. vol. 197; p. 1112.
- Mail box and collector, Rural-route. A. V. Carlson. No. 1,083,241; Dec. 30; Gaz. vol. 197; p. 1260.
- Mail-box attachment. T. M. Gaughan. No. 1,069,246; Aug. 5; Gaz. vol. 193; p. 57.
- Mail-box fastener. S. H. Peters. No. 1,067,133; July 8; Gaz. vol. 192; p. 454.
- Mail-box holder. W. Larkin. No. 1,053,835; Feb. 18; Gaz. vol. 187; p. 756.
- Mail-box indicator. S. B. Sargent. No. 1,069,816; Aug. 12; Gaz. vol. 193; p. 280.
- Mail-box-lock protector. C. L. Boll. No. 1,055,865; Mar. 11; Gaz. vol. 188; p. 443.
- Mail-box supply-signal. R. A. Caldwell. No. 1,057,930; Apr. 1; Gaz. vol. 189; p. 183.
- Mail-box support. L. G. Yeakel. No. 1,053,082; Feb. 11; Gaz. vol. 187; p. 455.
- Mail-boxes, Coin and mail holding device for. J. E. Shinn. No. 1,061,785; May 13; Gaz. vol. 190; p. 453.
- Mail-boxes, Package-holder for. F. R. Peck. No. 1,071,082; Aug. 26; Gaz. vol. 193; p. 784.
- Mail-carrier, Automatic. J. M. Schwendemann. No. 1,081,409; Dec. 16; Gaz. vol. 197; p. 580.
- Mail-carrier's box. W. T. Roche. No. 1,056,941; Mar. 25; Gaz. vol. 188; p. 875.
- Mail-carrying device. O. M. De Hart. No. 1,050,008; Jan. 7; Gaz. vol. 186; p. 233.
- Mail-catcher. W. F. Gambill and A. R. McCann. No. 1,063,966; June 10; Gaz. vol. 191; p. 307.
- Mail catcher and deliverer, Automatic. H. C. Kuhlman. No. 1,072,129; Sept. 2; Gaz. vol. 194; p. 157.
- Mail catching and delivering device. G. R. Helton. No. 1,072,454; Sept. 9; Gaz. vol. 194; p. 296.
- Mail-chute. W. Briggs and R. H. Scott. No. 1,066,990; July 8; Gaz. vol. 192; p. 406.
- Mail-classifying machine. J. Rehak. No. 1,060,943; May 6; Gaz. vol. 190; p. 131.
- Mail-collecting device. W. M. Corcoran. No. 1,050,106; Jan. 14; Gaz. vol. 186; p. 302.
- Mail-crane. C. Jones. No. 1,062,239; May 20; Gaz. vol. 190; p. 648.
- Mail-crane. W. Johnston. No. 1,067,344; July 15; Gaz. vol. 192; p. 564.
- Mail-crane, Automatic. E. R. Lane. No. 1,075,921; Oct. 14; Gaz. vol. 195; p. 486.
- Mail-crane, Railway. B. W. Mudge. No. 1,058,782; Apr. 15; Gaz. vol. 189; p. 557.
- Mail-crane safety appliance. R. R. Green. No. 1,059,454; Apr. 22; Gaz. vol. 189; p. 828.
- Mail-crane snap-book. J. Lanham. No. 1,065,693; June 24; Gaz. vol. 191; p. 963.
- Mail deliverer and receiver. A. J. Taylor, Jr. No. 1,067,077; July 8; Gaz. vol. 192; p. 434.
- Mail delivering and collecting apparatus, Rural-. W. R. Paisley. No. 1,062,183; May 20; Gaz. vol. 190; p. 628.
- Mail delivering and receiving apparatus. A. E. Dickson. No. 1,068,988; July 29; Gaz. vol. 192; p. 1199.

Alphabetical list of inventions—Continued.

- Mail delivering and receiving device. F. Conaway. No. 1,065,221; June 17; Gaz. vol. 191; p. 762.
- Mail-delivering apparatus. J. Stein. No. 1,065,630; June 24; Gaz. vol. 191; p. 940.
- Mail-delivering mechanism for railway-cars. F. H. Burr. No. 1,054,634; Feb. 25; Gaz. vol. 187; p. 1065.
- Mail-delivery apparatus. P. H. Stultz. No. 1,053,453; Feb. 18; Gaz. vol. 187; p. 627.
- Mail-delivery box. J. F. Warren. No. 1,055,106; Mar. 4; Gaz. vol. 188; p. 153.
- Mail-distributing machine. W. E. Robinson. No. 1,072,504; Sept. 9; Gaz. vol. 194; p. 312.
- Mail-exchange, Electric. W. Lewis. No. 1,053,306; Feb. 18; Gaz. vol. 187; p. 576.
- Mail-handling apparatus. N. K. Bowman. No. 1,060,888; May 6; Gaz. vol. 190; p. 113.
- Mail-holding attachment. J. S. Johnson. No. 1,052,062; Feb. 4; Gaz. vol. 187; p. 75.
- Mail-indicator, Spelling. C. H. Luther. No. 1,068,253; July 22; Gaz. vol. 192; p. 906.
- Mail-marking machine. F. C. Ielfield. No. 1,077,408; Nov. 4; Gaz. vol. 196; p. 60.
- Mail-marking machine. F. C. Ielfield. No. 1,078,096; Nov. 11; Gaz. vol. 196; p. 325.
- Mail-marking machine. A. Ielfield. No. 1,079,492; Nov. 25; Gaz. vol. 196; p. 868.
- Mail-pouch catching and delivering mechanism. E. F. Hull and C. C. Davis. No. 1,057,553; Apr. 1; Gaz. vol. 189; p. 53.
- Mail-pouch fastener. A. T. Doyle. No. 1,051,708; Jan. 28; Gaz. vol. 186; p. 916.
- Mail-pouch fastener. J. L. Smith. No. 1,069,490; Aug. 5; Gaz. vol. 193; p. 141.
- Mail-pouch lock. C. S. Rickard. No. 1,062,506; May 20; Gaz. vol. 190; p. 736.
- Mail-pouch rack. V. Willoughby. No. 1,052,781; Feb. 11; Gaz. vol. 187; p. 351.
- Mail receiving and delivering apparatus. P. Hetle. No. 1,061,744; May 13; Gaz. vol. 190; p. 442.
- Mail receiving and delivering apparatus. J. A. Chambers. No. 1,082,498; Dec. 30; Gaz. vol. 197; p. 1008.
- Mail receiving and delivering apparatus, Combined. W. D. Casteel. No. 1,056,737; Mar. 18; Gaz. vol. 188; p. 775.
- Mail-receptacle. J. W. Norman. No. 1,072,356; Sept. 2; Gaz. vol. 194; p. 232.
- Mail-sack lock. H. Varnum. No. 1,055,002; Mar. 4; Gaz. vol. 188; p. 119.
- Mail-sack rack. F. Rausch. No. 1,068,448; July 29; Gaz. vol. 192; p. 1011.
- Mail-separating mechanism. J. T. Lynch. No. 1,058,314; Apr. 8; Gaz. vol. 189; p. 360.
- Mail-transporting device. B. W. Lamb. No. 1,064,919; June 17; Gaz. vol. 191; p. 663.
- Mailing and shipping case. J. W. Nassauer. No. 1,049,514; Jan. 7; Gaz. vol. 186; p. 65.
- Mailing-folder. W. B. Henri. No. 1,060,596; May 6; Gaz. vol. 190; p. 11.
- Mailing-machines, Delivery feed mechanism for. F. V. Moore. No. 1,060,276; Apr. 29; Gaz. vol. 189; p. 1145.
- Mailing-package. G. B. Streit. No. 1,067,948; July 22; Gaz. vol. 192; p. 800.
- Mailing-tube contents-holder. A. Pikoos. No. 1,054,611; Feb. 25; Gaz. vol. 187; p. 1058.
- Mailing-wrapper. H. L. Greve. No. 1,071,227; Aug. 26; Gaz. vol. 193; p. 834.
- Mainspring-winding arbor. C. Loudon. No. 1,052,836; Feb. 11; Gaz. vol. 187; p. 371.
- Maize, Kafir-corn, and cane heading machine. W. A. Cozart. No. 1,065,296; June 17; Gaz. vol. 191; p. 788.
- Make-and-break device. T. Hubert. No. 1,056,420; Mar. 18; Gaz. vol. 188; p. 664.
- Make-and-break mechanism. H. A. Tepel. No. 1,074,071; Sept. 23; Gaz. vol. 194; p. 918.
- Malt-drum. F. Knüttel. No. 1,064,490; June 10; Gaz. vol. 191; p. 487.
- Malt, Manufacture of. R. Wahl. No. 1,068,028; July 22; Gaz. vol. 192; p. 828.
- Malt or grape-husks drying apparatus. W. Ponndorf. No. 1,052,845; Feb. 11; Gaz. vol. 187; p. 374.
- Malt, seeds, &c., Apparatus for treating. L. Topf. No. 1,079,153; Nov. 18; Gaz. vol. 196; p. 724.
- Malt turning, aerating, and gathering machine. J. Guehring. No. 1,063,872; June 3; Gaz. vol. 191; p. 240.
- Malt-turning machine. D. D. Weschler. No. 1,056,869; Mar. 25; Gaz. vol. 188; p. 849.
- Malt-turning machine. J. F. Dornfeld. No. 1,066,088; July 1; Gaz. vol. 192; p. 65.
- Malting, Apparatus for the germination of grain for. P. Chodounský. No. 1,051,196; Jan. 21; Gaz. vol. 186; p. 710.
- Man-lift elevator. C. E. Bird. No. 1,079,159; Nov. 18; Gaz. vol. 196; p. 726.
- Mandolin. F. Kordick. No. 1,063,203; June 3; Gaz. vol. 191; p. 12.
- Mandrel. J. M. Stryhal. No. 1,050,575; Jan. 14; Gaz. vol. 186; p. 464.
- Mandrel, Expansible. H. J. White. No. 1,077,110; Oct. 28; Gaz. vol. 195; p. 980.
- Mandrel-extractor for boiler tube or flue expanders. J. W. Faessler. No. 1,053,372; Feb. 18; Gaz. vol. 187; p. 599.
- Mandrel-extractor for boiler tube or flue expanders. J. W. Faessler. No. 1,053,373; Feb. 18; Gaz. vol. 187; p. 600.
- Mandrel for forming tubular rubber goods. G. A. Martin. No. 1,055,547; Mar. 11; Gaz. vol. 188; p. 336.
- Mandrel for paper-winding machines. G. B. Warner. No. 1,067,564; July 15; Gaz. vol. 192; p. 637.
- Manganese from its ores, Extracting. F. Heusler. No. 1,078,199; Nov. 11; Gaz. vol. 196; p. 360.
- Manger. P. M. Grant. No. 1,063,919; June 3; Gaz. vol. 191; p. 257.
- Mangers, Movable partitions for. J. James. No. 1,066,620; July 8; Gaz. vol. 192; p. 280.
- Mangle. V. Kral, F. M. Vacha, and V. Cap. No. 1,059,619; Apr. 22; Gaz. vol. 189; p. 882.
- Mangle. W. Lasocki. No. 1,075,982; Oct. 14; Gaz. vol. 195; p. 507.
- Manhole-covers, Device for preventing the blowing off of. C. E. Rego. No. 1,071,577; Aug. 26; Gaz. vol. 193; p. 949.
- Manhole structure. T. F. O'Day. No. 1,076,386; Oct. 21; Gaz. vol. 195; p. 673.
- Manicure apparatus. C. Pfanschmidt. No. 1,065,966; July 1; Gaz. vol. 192; p. 22.
- Manicure-file. J. F. Byrnes. No. 1,059,927; Apr. 22; Gaz. vol. 189; p. 982.
- Manicuring implement. H. A. Seymoure. No. 1,072,046; Sept. 2; Gaz. vol. 194; p. 129.
- Manifolding device. P. Hano. No. 1,062,968; May 27; Gaz. vol. 190; p. 930.
- Manifolding device. E. Carney. No. 1,075,460; Oct. 14; Gaz. vol. 195; p. 329.
- Manifolding-pad. J. J. McKay. No. 1,069,625; Aug. 5; Gaz. vol. 193; p. 185.
- Manipulator. E. S. Keyes. No. 1,066,627; July 8; Gaz. vol. 192; p. 282.
- Manometer, Differential. F. E. Wolf. No. 1,074,306; Sept. 30; Gaz. vol. 194; p. 1025.
- Mantle. C. M. Lungren. No. 1,052,008; Feb. 4; Gaz. vol. 187; p. 56.
- Mantle-carrier. A. P. Storrs. No. 1,052,861; Feb. 11; Gaz. vol. 187; p. 379.
- Mantle guard, Inverted-incandescent. T. J. Little, Jr. No. 1,058,377; Apr. 8; Gaz. vol. 189; p. 383.
- Mantle guard, Inverted-incandescent. T. J. Little, Jr. No. 1,058,378; Apr. 8; Gaz. vol. 189; p. 383.
- Mantle-protector. W. H. Hoffstot. No. 1,081,743; Dec. 16; Gaz. vol. 197; p. 689.
- Mantle-retainer. C. M. Brandt. No. 1,061,659; May 13; Gaz. vol. 190; p. 413.
- Mantle-retainer. C. M. Brandt. No. 1,061,812; May 13; Gaz. vol. 190; p. 461.
- Mantle-shaping machine for inverted mantles. O. Kaufman. No. 1,069,263; Aug. 5; Gaz. vol. 193; p. 62.
- Mantle-shaping machine for upright mantles. O. Kaufman. No. 1,069,262; Aug. 5; Gaz. vol. 193; p. 62.
- Mantles, Manufacture of inverted. E. L. Knoedler. No. 1,062,163; May 20; Gaz. vol. 190; p. 622.
- Manual motor. D. F. Frisinger. No. 1,069,327; Aug. 5; Gaz. vol. 193; p. 83.
- Manure-conveyer. L. N. Lavanger. No. 1,050,366; Jan. 14; Gaz. vol. 186; p. 390.
- Manure-distributor. F. M. Gibbs. No. 1,057,340; Mar. 25; Gaz. vol. 188; p. 1010.
- Manure-loader. W. Reineke. No. 1,052,964; Feb. 11; Gaz. vol. 187; p. 415.
- Manure-loader. W. Pfle. No. 1,070,065; Aug. 12; Gaz. vol. 193; p. 364.
- Manure-loader. W. Skakel. No. 1,073,716; Sept. 23; Gaz. vol. 194; p. 800.
- Manure-loader. J. Kulhanek. No. 1,081,124; Dec. 9; Gaz. vol. 197; p. 445.
- Manure-loading machine. B. J. and M. J. Desmond. No. 1,053,581; Feb. 18; Gaz. vol. 187; p. 671.
- Manure, Manufacture of artificial. O. E. Heuschkel. No. 1,049,482; Jan. 7; Gaz. vol. 186; p. 55.
- Manure-spreader. C. A. Christenson. No. 1,050,426; Jan. 14; Gaz. vol. 186; p. 411.
- Manure-spreader. T. Brown. No. 1,064,960; June 17; Gaz. vol. 191; p. 679.
- Manure-spreader. J. C. and W. J. Pope. No. 1,067,373; July 15; Gaz. vol. 192; p. 573.
- Manure-spreader. G. G. Mandt and M. Vingum. No. 1,077,087; Oct. 28; Gaz. vol. 195; p. 973.
- Manure-spreader beating-cylinder. H. Synck. No. 1,057,896; Apr. 1; Gaz. vol. 189; p. 171.
- Manure-spreader box, Standard. G. G. Mandt. No. 1,049,747; Jan. 7; Gaz. vol. 186; p. 146.
- Manure-spreaders, Detachable centrifugal distributor for. L. F. Lozier, R. A. P. S., and W. T. Reedy. No. 1,057,751; Apr. 1; Gaz. vol. 189; p. 121.
- Manuscript-holder. J. Triplett. No. 1,080,502; Dec. 2; Gaz. vol. 197; p. 204.
- Map-case. F. G. Rux. No. 1,070,989; Aug. 19; Gaz. vol. 193; p. 717.
- Map, chart, and geographical diagram. G. W. Bacon. No. 1,050,596; Jan. 14; Gaz. vol. 186; p. 471.

Alphabetical list of inventions—Continued.

- Map for automobiles, Road-. G. A. Deardorff. No. 1,068,112; July 22; Gaz. vol. 192; p. 855.
- Map holder, Road-. T. H. Connors. No. 1,065,295; June 17; Gaz. vol. 191; p. 788.
- Map, Mechanically-operated road-. M. Bremsy. No. 1,064,694; June 10; Gaz. vol. 191; p. 556.
- Map of the world. B. J. S. Cahill. No. 1,054,276; Feb. 25; Gaz. vol. 187; p. 944.
- Map rolling and reversing device. F. E. Wilson. No. 1,081,644; Dec. 16; Gaz. vol. 197; p. 657.
- Marble, Making artificial. J. B. Turner. No. 1,079,077; Nov. 18; Gaz. vol. 196; p. 698.
- Marble or similar stone, Making deep cuts in. J. R. Peirce. No. 1,063,380; June 3; Gaz. vol. 191; p. 71.
- Marble-surfacing machine. C. H. Jordan. No. 1,081,836; Dec. 16; Gaz. vol. 197; p. 723.
- Margin-stop device. E. Buckingham. No. 1,053,153; Feb. 18; Gaz. vol. 187; p. 524.
- Marginal holding device. W. B. Walt. No. 1,060,387; Apr. 29; Gaz. vol. 189; p. 1185.
- Marine boiler. E. King. No. 1,057,062; Mar. 25; Gaz. vol. 188; p. 917.
- Marine brake and shock-absorber. A. Haas. No. 1,064,473; June 10; Gaz. vol. 191; p. 482.
- Marine propulsion apparatus. A. Nydegger. No. 1,076,308; Oct. 21; Gaz. vol. 195; p. 646.
- Marine signal. R. F. Cordero. No. 1,073,798; Sept. 23; Gaz. vol. 194; p. 826.
- Marker, Automatic. C. C. Cox. No. 1,068,326; July 22; Gaz. vol. 192; p. 932.
- Marker, Land-. G. W. Garvin. No. 1,057,050; Mar. 25; Gaz. vol. 188; p. 913.
- Marker, Land-. W. R. Allen. No. 1,065,097; June 17; Gaz. vol. 191; p. 724.
- Marker, Land-. W. D. Jones. No. 1,067,345; July 15; Gaz. vol. 192; p. 565.
- Marker, Land-. E. M. and J. S. Frazier. No. 1,068,884; July 29; Gaz. vol. 192; p. 1164.
- Marker, Land-. G. B. Randolph. (Reissue.) No. 13,656; Dec. 9; Gaz. vol. 197; p. 503.
- Marker-operating mechanism. J. Carney. No. 1,077,669; Nov. 4; Gaz. vol. 196; p. 147.
- Marking device. S. F. Scheu. No. 1,051,163; Jan. 21; Gaz. vol. 186; p. 700.
- Marking device. W. R. Rogers. No. 1,057,456; Apr. 1; Gaz. vol. 189; p. 21.
- Marking device. F. Contenti. No. 1,073,592; Sept. 23; Gaz. vol. 194; p. 754.
- Marking device. H. J. Potter. No. 1,079,928; Nov. 25; Gaz. vol. 196; p. 1022.
- Marking-machine. C. W. Canine. No. 1,063,180; June 3; Gaz. vol. 191; p. 4.
- Marking-machine. V. Hoffman. No. 1,082,025; Dec. 23; Gaz. vol. 197; p. 815.
- Marking-machine inking mechanism. C. W. Canine. No. 1,079,592; Nov. 25; Gaz. vol. 196; p. 904.
- Marking or stamping device. A. L. Bauman and E. O. Stopp. No. 1,070,763; Aug. 19; Gaz. vol. 193; p. 646.
- Mask, Anesthesia-. G. F. Richter. No. 1,070,986; Aug. 19; Gaz. vol. 193; p. 716.
- Mask, Base-ball. R. L. Welch. No. 1,081,798; Dec. 16; Gaz. vol. 197; p. 708.
- Mask, Catcher's. O. A. Younggren. No. 1,072,802; Sept. 9; Gaz. vol. 194; p. 417.
- Mask, Face-. T. J. White. No. 1,060,220; Apr. 29; Gaz. vol. 189; p. 1125.
- Mask, Face-. H. C. Graybill and A. C. Ergler. No. 1,077,272; Nov. 4; Gaz. vol. 196; p. 10.
- Mask, Fireman's. A. F. Macriul. No. 1,079,251; Nov. 18; Gaz. vol. 196; p. 755.
- Masonry, Heating apparatus for drying damp. H. Geyer. No. 1,081,035; Dec. 9; Gaz. vol. 197; p. 417.
- Masonry structure. R. Guastavino. No. 1,052,142; Feb. 4; Gaz. vol. 187; p. 103.
- Masonry structure. R. Guastavino. No. 1,057,729; Apr. 1; Gaz. vol. 189; p. 114.
- Massage apparatus. A. L. and E. F. Page. No. 1,058,330; Apr. 8; Gaz. vol. 189; p. 366.
- Massage apparatus. D. B. Catlin. No. 1,059,594; Apr. 22; Gaz. vol. 189; p. 874.
- Massage apparatus, Electric. J. Thorell. No. 1,079,276; Nov. 18; Gaz. vol. 196; p. 763.
- Massage apparatus, Vibratory. J. Sabatino. No. 1,069,814; Aug. 12; Gaz. vol. 193; p. 279.
- Massage device. C. E. Thompson. No. 1,058,273; Apr. 8; Gaz. vol. 189; p. 346.
- Massage device. J. E. Gibbs. No. 1,071,998; Sept. 2; Gaz. vol. 194; p. 114.
- Massage device, Vacuum. F. O. Parker. No. 1,060,852; May 6; Gaz. vol. 190; p. 100.
- Massage instrument. H. A. Grass. No. 1,058,173; Apr. 8; Gaz. vol. 189; p. 312.
- Massage instrument. H. Dreuw. No. 1,076,490; Oct. 21; Gaz. vol. 195; p. 710.
- Massage-paddle. J. Banks. No. 1,081,923; Dec. 16; Gaz. vol. 197; p. 750.
- Massage-roll, Electric. D. Tibbals. No. 1,059,090; Apr. 15; Gaz. vol. 189; p. 667.
- Massage, Vacuum-. W. J. Long. No. 1,071,931; Sept. 2; Gaz. vol. 194; p. 91.
- Massaging apparatus. F. E. Jones. No. 1,050,836; Jan. 21; Gaz. vol. 186; p. 585.
- Massaging implement. R. W. Griffith. No. 1,059,455; Apr. 22; Gaz. vol. 189; p. 829.
- Massaging-machine, Magneto-electric. B. Seacombe. No. 1,055,236; Mar. 4; Gaz. vol. 188; p. 194.
- Masticating-machine. M. Dankberg. No. 1,056,153; Mar. 18; Gaz. vol. 188; p. 575.
- Mat; See Bath-mat; Door-mat; Floor-mat; Stove-mat.
- Mats, Making dish-. E. R. Bartholomew. No. 1,078,242; Nov. 11; Gaz. vol. 196; p. 375.
- Matting. N. Terashima. No. 1,049,943; Jan. 7; Gaz. vol. 186; p. 211.
- Matting-roughing machine. J. M. Barteaux. No. 1,076,862; Oct. 28; Gaz. vol. 195; p. 896.
- Matting-stock, Preparing. J. M. Barteaux. No. 1,077,215; Oct. 28; Gaz. vol. 195; p. 1013.
- Match. E. H. Humphrey. No. 1,056,177; Mar. 18; Gaz. vol. 188; p. 583.
- Match. W. A. Fairburn. No. 1,067,326; July 15; Gaz. vol. 192; p. 558.
- Match-box. J. O. Brown. No. 1,049,447; Jan. 7; Gaz. vol. 186; p. 44.
- Match-box. F. Williams. No. 1,049,788; Jan. 7; Gaz. vol. 186; p. 160.
- Match-box. N. W. Rasnick. No. 1,060,706; May 6; Gaz. vol. 190; p. 50.
- Match-box. A. S. Mack. No. 1,068,791; July 29; Gaz. vol. 192; p. 1131.
- Match-box. S. J. Adams. No. 1,080,400; Dec. 2; Gaz. vol. 197; p. 171.
- Match-box. F. A. Strodel. No. 1,083,153; Dec. 30; Gaz. vol. 197; p. 1232.
- Match-box and burnt-match receptacle, Combined. A. C. Hall. No. 1,058,671; Apr. 8; Gaz. vol. 189; p. 482.
- Match-box holder. J. A. Cheape. No. 1,057,480; Apr. 1; Gaz. vol. 189; p. 29.
- Match-box holder. J. L. Gaffney. No. 1,064,068; June 10; Gaz. vol. 191; p. 341.
- Match-box holder. A. Goldschmidt. No. 1,069,247; Aug. 5; Gaz. vol. 193; p. 57.
- Match-box, Single-delivery. J. G. Bell. No. 1,080,248; Dec. 2; Gaz. vol. 197; p. 116.
- Match-cards, Machine for making. C. Campus. No. 1,073,393; Sept. 16; Gaz. vol. 194; p. 664.
- Match-holder. J. F. O'Malley. No. 1,066,311; July 1; Gaz. vol. 192; p. 146.
- Match-igniting device for lanterns. A. H. Andersen. No. 1,057,794; Apr. 1; Gaz. vol. 189; p. 136.
- Match-lighter and cigar-clipper, Combination. P. Amadeo. No. 1,067,209; July 8; Gaz. vol. 192; p. 481.
- Match-machine. P. C. Forrester. No. 1,051,571; Jan. 28; Gaz. vol. 186; p. 871.
- Match machine, Book-. C. Campus. No. 1,073,394; Sept. 16; Gaz. vol. 194; p. 665.
- Match-machine dipping device. P. Mögling. No. 1,054,595; Feb. 25; Gaz. vol. 187; p. 1052.
- Match-machine dipping device. P. Mögling. No. 1,060,008; Apr. 29; Gaz. vol. 189; p. 1054.
- Match-machines, Splint-drying means for. J. C. Donnelly. No. 1,070,020; Aug. 12; Gaz. vol. 193; p. 350.
- Match-making machine. H. A. Gsell. No. 1,054,764; Mar. 4; Gaz. vol. 188; p. 38.
- Match-safe. O. Rison. No. 1,081,407; Dec. 16; Gaz. vol. 197; p. 579.
- Match-slabs, Making flat. T. von Deylen. No. 1,070,784; Aug. 19; Gaz. vol. 193; p. 654.
- Match-splint cleaning and assembling machine. B. G. Vaughan. No. 1,072,882; Sept. 9; Gaz. vol. 194; p. 446.
- Match-splint cleaning and polishing machine. J. P. Wright and F. Schafer. No. 1,070,092; Aug. 12; Gaz. vol. 193; p. 375.
- Match-splint material, Treating. W. A. Fairburn. No. 1,079,119; Nov. 18; Gaz. vol. 196; p. 712.
- Match-splints, Treating. W. A. Fairburn. No. 1,070,024; Aug. 12; Gaz. vol. 193; p. 351.
- Match-splints, Treating. W. A. Fairburn. No. 1,070,025; Aug. 12; Gaz. vol. 193; p. 352.
- Match-splints, Treating. W. A. Fairburn. No. 1,070,026; Aug. 12; Gaz. vol. 193; p. 352.
- Match-splints, Treating. W. A. Fairburn, F. V. D. Cruser, and W. Green. (Reissue.) No. 13,636; Oct. 28; Gaz. vol. 195; p. 1024.
- Match-stick. P. T. Denmead. No. 1,054,680; Mar. 4; Gaz. vol. 188; p. 9.
- Match-striking surfaces, Material for. W. A. Fairburn. No. 1,070,023; Aug. 12; Gaz. vol. 193; p. 351.
- Matches in boxes, Packing apparatus for machines for packing. H. A. Gsell. No. 1,081,379; Dec. 16; Gaz. vol. 197; p. 571.
- Material from a container, Device for delivering. A. Clemens. No. 1,072,427; Sept. 9; Gaz. vol. 194; p. 286.
- Material-handling apparatus. W. T. James. No. 1,050,945; Jan. 21; Gaz. vol. 186; p. 625.
- Material, Machine for removing surplus. R. F. McFeely. No. 1,054,656; Feb. 25; Gaz. vol. 187; p. 1073.
- Materials, Apparatus for transferring. M. E. Berry. No. 1,054,741; Mar. 4; Gaz. vol. 188; p. 30.
- Materials, Apparatus for treatment of. C. E. Mark. No. 1,057,489; Apr. 1; Gaz. vol. 189; p. 32.

Alphabetical list of inventions—Continued.

- Materials, Treating. F. W. Yost. No. 1,074,150; Sept. 30; Gaz. vol. 194; p. 973.
- Matrices, Apparatus for cutting. L. B. Benton. No. 1,068,478; July 29; Gaz. vol. 192; p. 1022.
- Matrix device. J. A. Maker. No. 1,072,015; Sept. 2; Gaz. vol. 194; p. 119.
- Matrix-distributing mechanism. R. M. Grove. No. 1,074,945; Oct. 7; Gaz. vol. 195; p. 121.
- Matrix-forming machine. S. G. Goss. No. 1,078,429; Nov. 11; Gaz. vol. 196; p. 442.
- Matrix gaging and sorting mechanism. F. H. Pierpont. No. 1,061,558; May 13; Gaz. vol. 190; p. 379.
- Matrix-plate holder and spacer. D. G. Holt and G. R. Horton. No. 1,082,197; Dec. 23; Gaz. vol. 197; p. 872.
- Matrix-setting and line-casting machine. J. Dorneth. No. 1,059,718; Apr. 22; Gaz. vol. 189; p. 915.
- Matrix-setting and line-casting machine. H. Degener. No. 1,067,592; July 15; Gaz. vol. 192; p. 647.
- Matrix-setting and line-casting machine. H. Degener. No. 1,076,408; Oct. 21; Gaz. vol. 195; p. 682.
- Matrix-setting and type-casting machine. H. Drewell. No. 1,077,512; Nov. 4; Gaz. vol. 196; p. 97.
- Matrix-setting and type-line-casting machine. H. Degener. No. 1,067,590; July 15; Gaz. vol. 192; p. 646.
- Matrix-setting and type-line-casting machine. H. Degener. No. 1,074,843; Oct. 7; Gaz. vol. 195; p. 86.
- Matrix-setting and type-line-casting machine. H. Degener. No. 1,077,332; Nov. 4; Gaz. vol. 196; p. 32.
- Mattcock, Foldable. E. S. Sayer, Jr. No. 1,066,155; July 1; Gaz. vol. 192; p. 88.
- Mattress fabric, Spring. F. A. Donnelly and J. E. Blanthorn. No. 1,052,466; Feb. 11; Gaz. vol. 187; p. 246.
- Mattress fabric, Spring. C. L. Plunkett. No. 1,061,402; May 13; Gaz. vol. 190; p. 323.
- Mattress fabric, Wire. J. L. Tandy. No. 1,079,274; Nov. 18; Gaz. vol. 196; p. 762.
- Mattress, Flexible. N. B. Ellery. No. 1,066,092; July 1; Gaz. vol. 192; p. 67.
- Mattress-frame. R. G. Marquardt. No. 1,064,510; June 10; Gaz. vol. 191; p. 494.
- Mattress frame, Spring. D. C. Travis. No. 1,071,827; Sept. 2; Gaz. vol. 194; p. 55.
- Mattress-guard. F. A. Palmer. No. 1,080,845; Dec. 9; Gaz. vol. 197; p. 356.
- Mattress machine, Roll-edge. S. R. Barton. No. 1,051,855; Feb. 4; Gaz. vol. 187; p. 4.
- Mattress, Metallic spring. J. Kapp. No. 1,063,451; June 3; Gaz. vol. 191; p. 94.
- Mattress or cushion. A. Suekoff, Jr. No. 1,053,675; Feb. 18; Gaz. vol. 187; p. 704.
- Mattress-rack. R. B. McCurdy. No. 1,071,671; Aug. 26; Gaz. vol. 193; p. 980.
- Mattress side guard, Spring. A. J. Kreuzkamp. No. 1,061,616; May 13; Gaz. vol. 190; p. 399.
- Mattress side guard, Spring. A. J. Kreuzkamp. No. 1,061,617; May 13; Gaz. vol. 190; p. 399.
- Mattress side guard, Spring. J. T. Keyes. No. 1,062,781; May 27; Gaz. vol. 190; p. 868.
- Mattress, Spring. G. Hogg and A. E. Hathaway. No. 1,067,339; July 15; Gaz. vol. 192; p. 563.
- Mattress, Spring. J. L. Tandy. No. 1,073,877; Sept. 23; Gaz. vol. 194; p. 852.
- Mattress-supporting frame. F. A. Palmer. No. 1,065,076; June 17; Gaz. vol. 191; p. 717.
- Mattress, Wire. A. Hill. No. 1,051,584; Jan. 28; Gaz. vol. 186; p. 875.
- Mattress, Wire. F. M. Tinkham. No. 1,070,083; Aug. 12; Gaz. vol. 193; p. 371.
- Mattress, Wire. O. Gasau. No. 1,072,220; Sept. 2; Gaz. vol. 194; p. 187.
- Mattresses, Apparatus for forming roll edges on. G. Stubenrauch. No. 1,056,229; Mar. 18; Gaz. vol. 188; p. 600.
- Mausoleum. G. A. Townsend, Jr. No. 1,050,256; Jan. 14; Gaz. vol. 186; p. 351.
- Mausoleum. A. B. Gilliland and A. C. Sheets. No. 1,064,316; June 10; Gaz. vol. 191; p. 427.
- Mausoleums, Sanitary system for. A. E. Merkel. No. 1,059,552; Apr. 22; Gaz. vol. 189; p. 861.
- Mayonnaise dressing and the like, Beater for. J. Hutchinson. No. 1,071,747; Sept. 2; Gaz. vol. 194; p. 26.
- Measure and stopper, Combined. J. F. Peter. No. 1,076,780; Oct. 28; Gaz. vol. 195; p. 866.
- Measure, Automatic coffee. J. H. Psikal. No. 1,053,316; Feb. 18; Gaz. vol. 187; p. 580.
- Measure, Linear. I. A. Wesson. No. 1,079,457; Nov. 25; Gaz. vol. 196; p. 856.
- Measure, Skirt. F. E. Atwell. No. 1,053,964; Feb. 25; Gaz. vol. 187; p. 838.
- Measure, Tailor's. P. Johnson. No. 1,069,086; July 29; Gaz. vol. 192; p. 1233.
- Measure, Tailor's. L. Alfano. No. 1,081,649; Dec. 16; Gaz. vol. 197; p. 658.
- Measurement register, Lumber. J. W. Haley and C. B. Yelton. No. 1,057,637; Apr. 1; Gaz. vol. 189; p. 82.
- Measurer, Roll. H. M. Sprecher. No. 1,072,268; Sept. 2; Gaz. vol. 194; p. 202.
- Measuring and dispensing apparatus, Liquid. R. M. Hughes. No. 1,053,816; Feb. 18; Gaz. vol. 187; p. 751.
- Measuring and dispensing attachment for bins, Combined. L. B. Thomas. No. 1,065,482; June 24; Gaz. vol. 191; p. 890.
- Measuring and marking machine, Ribbon. M. E. Cummings. No. 1,054,090; Feb. 25; Gaz. vol. 187; p. 880.
- Measuring and packaging matches, toothpicks, and similar articles. C. P. Ricker and W. L. Guild. No. 1,063,387; June 3; Gaz. vol. 191; p. 74.
- Measuring and plotting land areas, Instrument for use in. L. C. Raymond. No. 1,050,393; Jan. 14; Gaz. vol. 186; p. 399.
- Measuring and rewinding machine, Cloth. O. A. Heckel, C. M. Kachel, W. F. Goessling, and H. E. Pauk. No. 1,074,621; Oct. 7; Gaz. vol. 195; p. 11.
- Measuring apparatus. R. M. Lindsay. No. 1,052,492; Feb. 11; Gaz. vol. 187; p. 254.
- Measuring apparatus. L. W. Merkel. No. 1,054,304; Feb. 25; Gaz. vol. 187; p. 952.
- Measuring apparatus. M. Arndt. No. 1,075,620; Oct. 14; Gaz. vol. 195; p. 383.
- Measuring apparatus. J. W. Gamble. No. 1,078,669; Nov. 18; Gaz. vol. 196; p. 553.
- Measuring apparatus, Bag. J. Amacher. No. 1,072,897; Sept. 9; Gaz. vol. 194; p. 453.
- Measuring apparatus, Boot and shoe. J. H. Meacham. No. 1,071,773; Sept. 2; Gaz. vol. 194; p. 36.
- Measuring apparatus, Liquid. A. B. Wallem. No. 1,062,937; May 27; Gaz. vol. 190; p. 920.
- Measuring apparatus, Liquid. C. P. Ross. No. 1,066,660; July 8; Gaz. vol. 192; p. 293.
- Measuring appliance, Liquid. C. P. Ross. No. 1,070,917; Aug. 19; Gaz. vol. 193; p. 695.
- Measuring attachment, Grain-elevator. O. J. Odden. No. 1,058,823; Mar. 25; Gaz. vol. 188; p. 833.
- Measuring belts under tension, Apparatus for. W. Lewis. No. 1,066,826; July 8; Gaz. vol. 192; p. 350.
- Measuring-cabinet. F. P. Rees. No. 1,077,999; Nov. 11; Gaz. vol. 196; p. 292.
- Measuring-cup, Strainer. L. F. Kerlinger. No. 1,073,141; Sept. 16; Gaz. vol. 194; p. 574.
- Measuring device. J. S. King. No. 1,052,259; Feb. 4; Gaz. vol. 187; p. 144.
- Measuring device. J. Skrell. No. 1,053,323; Feb. 18; Gaz. vol. 187; p. 582.
- Measuring device. C. S. Lewis. No. 1,066,127; July 1; Gaz. vol. 192; p. 79.
- Measuring device, Automatic. F. L. Metzger. No. 1,079,874; Nov. 25; Gaz. vol. 196; p. 1002.
- Measuring device, Automatic liquid. F. Schorik and F. F. Marshall. No. 1,074,386; Sept. 30; Gaz. vol. 194; p. 1052.
- Measuring device, Foot. F. L. Kerr. No. 1,067,987; July 22; Gaz. vol. 192; p. 813.
- Measuring device, Liquid. P. von Bartkowski. No. 1,050,046; Jan. 7; Gaz. vol. 186; p. 247.
- Measuring device, Liquid. C. P. Ross. No. 1,077,000; Oct. 28; Gaz. vol. 195; p. 944.
- Measuring device, Liquid. P. H. Smith. No. 1,079,522; Nov. 25; Gaz. vol. 196; p. 878.
- Measuring device, Tailor's. M. Goldberger. No. 1,079,333; Nov. 25; Gaz. vol. 196; p. 814.
- Measuring device, Wall-paper. R. B. Harpster and J. J. Gees. No. 1,076,034; Oct. 21; Gaz. vol. 195; p. 552.
- Measuring device, Wire-fabric. W. O. Sommerfeld. No. 1,052,100; Feb. 4; Gaz. vol. 187; p. 89.
- Measuring devices, Displacement-float for. F. N. Connet. No. 1,063,186; June 3; Gaz. vol. 191; p. 6.
- Measuring flow of liquids in closed conduits, Apparatus for. F. Simpson. No. 1,068,280; July 22; Gaz. vol. 192; p. 916.
- Measuring-garment, Adjustable. O. Kuehn and G. B. Prell. No. 1,054,426; Feb. 25; Gaz. vol. 187; p. 997.
- Measuring instrument. I. S. Hendren. No. 1,052,054; Feb. 4; Gaz. vol. 187; p. 73.
- Measuring instrument. H. Coullery. No. 1,053,281; Feb. 18; Gaz. vol. 187; p. 568.
- Measuring instrument. W. J. Muncaster. No. 1,060,111; Apr. 29; Gaz. vol. 189; p. 1086.
- Measuring instrument. N. H. Wener. No. 1,063,091; May 27; Gaz. vol. 190; p. 970.
- Measuring instrument. W. Simonsson. No. 1,064,670; June 10; Gaz. vol. 191; p. 548.
- Measuring instrument. H. S. Goodkowitz. No. 1,066,007; July 1; Gaz. vol. 192; p. 36.
- Measuring instrument. C. W. Seaman and W. J. Cresswell. No. 1,070,925; Aug. 19; Gaz. vol. 193; p. 697.
- Measuring instrument. A. Kowalsky. No. 1,080,222; Dec. 2; Gaz. vol. 197; p. 106.
- Measuring instrument. D. E. Ferguson. No. 1,081,033; Dec. 9; Gaz. vol. 197; p. 417.
- Measuring-instrument alarm device. S. Worliczek. No. 1,057,313; Mar. 25; Gaz. vol. 188; p. 1001.
- Measuring instrument, Distance. H. Jacob. No. 1,066,906; July 8; Gaz. vol. 192; p. 378.
- Measuring instrument, Electric. M. C. Rypinski. No. 1,059,004; Apr. 15; Gaz. vol. 189; p. 637.
- Measuring instrument, Electric. W. W. Crawford. No. 1,066,084; July 1; Gaz. vol. 192; p. 64.
- Measuring instrument, Electrical. F. W. Roller. No. 1,050,563; Jan. 14; Gaz. vol. 186; p. 459.

Alphabetical list of inventions—Continued.

- Measuring instrument, Electrical. F. W. Roller. No. 1,050,694; Jan. 14; Gaz. vol. 186; p. 501.
- Measuring instrument, Electrical. L. T. Robinson and O. Holz. No. 1,057,276; Mar. 25; Gaz. vol. 188; p. 990.
- Measuring instrument, Electrical. R. L. Triplett. No. 1,072,531; Sept. 9; Gaz. vol. 194; p. 322.
- Measuring instrument, Electrical. C. M. Crook. No. 1,073,098; Sept. 16; Gaz. vol. 194; p. 560.
- Measuring instrument, Electrical. L. T. Robinson and O. Holz. No. 1,073,632; Sept. 23; Gaz. vol. 194; p. 767.
- Measuring instrument, Electrical. W. H. Pratt. No. 1,077,429; Nov. 4; Gaz. vol. 196; p. 67.
- Measuring instrument, High-voltage-. J. B. Whitehead. No. 1,059,095; Apr. 15; Gaz. vol. 189; p. 669.
- Measuring instrument, Recording. R. von Voss. No. 1,071,192; Aug. 26; Gaz. vol. 193; p. 820.
- Measuring instrument, Tooth-. S. Newman. No. 1,061,398; May 13; Gaz. vol. 190; p. 321.
- Measuring instruments, Index needle or hand for use with electrical. E. Weston. No. 1,070,310; Aug. 12; Gaz. vol. 193; p. 450.
- Measuring instruments, Index needle or hand for use with electrical. E. Weston. No. 1,070,311; Aug. 12; Gaz. vol. 193; p. 451.
- Measuring-machine for tobacco, &c. J. P. Crowley. No. 1,052,654; Feb. 11; Gaz. vol. 187; p. 309.
- Measuring-machine, Pneumatic. J. P. Crowley. No. 1,052,653; Feb. 11; Gaz. vol. 187; p. 309.
- Measuring or controlling instrument. E. H. Bristol and W. E. Goodyear. No. 1,060,812; May 6; Gaz. vol. 190; p. 84.
- Measuring or controlling the frequency or wave length of alternating currents, Means for. G. Seibt. No. 1,070,376; Aug. 12; Gaz. vol. 193; p. 473.
- Measuring power in electric circuits, Method of and means for. H. J. Ryan. No. 1,069,187; Aug. 5; Gaz. vol. 193; p. 34.
- Measuring register, Liquid-. C. F. Brown. No. 1,070,008; Aug. 12; Gaz. vol. 193; p. 346.
- Measuring-rules with any graduation, Micrometer measuring attachment for. F. Pivode. No. 1,059,757; Apr. 22; Gaz. vol. 189; p. 928.
- Measuring speed of steam traveling along steam-conduits, Apparatus for. N. Popoff. No. 1,068,926; July 29; Gaz. vol. 192; p. 1179.
- Measuring standing timber, Instrument for. L. G. Cook. No. 1,072,577; Sept. 9; Gaz. vol. 194; p. 339.
- Measuring the energy of engines within the cylinder. O. E. Hintz. No. 1,053,393; Feb. 18; Gaz. vol. 187; p. 606.
- Measuring the flow of liquids, Means for. J. W. Bowley. No. 1,059,973; Apr. 29; Gaz. vol. 189; p. 1042.
- Measuring the play between relatively movable parts, Mechanism for. M. Gohlke and W. Dahlmann. No. 1,062,566; May 20; Gaz. vol. 190; p. 755.
- Measuring the velocity and inclination of the wind, Apparatus for. H. Gerdien and R. Holm. No. 1,077,521; Nov. 4; Gaz. vol. 196; p. 99.
- Measuring-weir. C. W. Cheatham. No. 1,059,834; Apr. 22; Gaz. vol. 189; p. 952.
- Measuring-wheel. F. W. Rapson. No. 1,078,462; Nov. 11; Gaz. vol. 196; p. 453.
- Meat and like substances, Apparatus for rolling. M. P. Ismay and J. W. Robinson. No. 1,056,422; Mar. 18; Gaz. vol. 188; p. 665.
- Meat-choppers, Finger-guard for. P. Ganzhorn. No. 1,066,723; July 8; Gaz. vol. 192; p. 317.
- Meat-choppers, Finger-guard for hoppers of. P. Ganzhorn. No. 1,066,722; July 8; Gaz. vol. 192; p. 317.
- Meat-clamp. A. H. Matthew. No. 1,072,966; Sept. 9; Gaz. vol. 194; p. 478.
- Meat-curing apparatus. E. Rawson. No. 1,070,531; Aug. 19; Gaz. vol. 193; p. 568.
- Meat-cutter. J. Runser. No. 1,065,843; June 24; Gaz. vol. 191; p. 1012.
- Meat-cutter indicator. E. W. Jones. No. 1,064,657; June 10; Gaz. vol. 191; p. 543.
- Meat-cutting machine. A. Maham. No. 1,052,933; Feb. 11; Gaz. vol. 187; p. 406.
- Meat-cutting machine. E. R. Smith. No. 1,069,485; Aug. 5; Gaz. vol. 193; p. 139.
- Meat-cutting machine. J. F. Mayfield and H. B. Alger. No. 1,080,875; Dec. 9; Gaz. vol. 197; p. 365.
- Meat-hanger. G. L. Rastman. No. 1,058,387; Apr. 8; Gaz. vol. 189; p. 386.
- Meat-sawing machine. G. T. Francisco. No. 1,062,644; May 27; Gaz. vol. 190; p. 824.
- Meat-smoking apparatus. A. M. Miller. No. 1,063,571; June 3; Gaz. vol. 191; p. 136.
- Meat-smoking machine. F. Usinger. No. 1,053,249; Feb. 18; Gaz. vol. 187; p. 556.
- Meat-tenderer. S. S. Phelps. No. 1,067,673; July 15; Gaz. vol. 192; p. 676.
- Meats, Pickling. C. B. Trescott. No. 1,052,862; Feb. 11; Gaz. vol. 187; p. 379.
- Meats, Preserving. R. R. Cobb. No. 1,054,905; Mar. 4; Gaz. vol. 188; p. 86.
- Mechanical movement. W. W. Purdom. No. 1,053,871; Feb. 18; Gaz. vol. 187; p. 769.
- Mechanical movement. E. O. Branington. No. 1,053,969; Feb. 25; Gaz. vol. 187; p. 839.
- Mechanical movement. W. S. Harmon. No. 1,056,413; Mar. 18; Gaz. vol. 188; p. 661.
- Mechanical movement. J. W. Pitts. No. 1,056,746; Mar. 18; Gaz. vol. 188; p. 779.
- Mechanical movement. C. H. Craig and H. A. Reiber. No. 1,057,710; Apr. 1; Gaz. vol. 189; p. 107.
- Mechanical movement. Z. G. Ward. No. 1,059,015; Apr. 15; Gaz. vol. 189; p. 642.
- Mechanical movement. A. F. Coyne. No. 1,060,429; Apr. 29; Gaz. vol. 189; p. 1201.
- Mechanical movement. W. Eberle. No. 1,063,785; June 3; Gaz. vol. 191; p. 213.
- Mechanical movement. G. H. Holdt. No. 1,065,870; June 24; Gaz. vol. 191; p. 1021.
- Mechanical movement. S. O. Gould. No. 1,069,611; Aug. 5; Gaz. vol. 193; p. 180.
- Mechanical movement. C. Keck. No. 1,073,075; Sept. 9; Gaz. vol. 194; p. 516.
- Mechanical movement. J. T. Helms. No. 1,073,121; Sept. 16; Gaz. vol. 194; p. 567.
- Mechanical movement. F. E. Bright. No. 1,074,832; Oct. 7; Gaz. vol. 195; p. 82.
- Mechanical movement. C. F. Skinner. No. 1,075,308; Oct. 7; Gaz. vol. 195; p. 251.
- Mechanical movement. H. H. Whitehead. No. 1,076,179; Oct. 21; Gaz. vol. 195; p. 601.
- Mechanical movement. M. A. Droitcour. No. 1,077,815; Nov. 4; Gaz. vol. 196; p. 196.
- Mechanical movement. J. H. Burpee and E. T. Hoskins. No. 1,078,900; Nov. 18; Gaz. vol. 196; p. 635.
- Mechanical movement. T. S. Homans. No. 1,079,048; Nov. 18; Gaz. vol. 196; p. 688.
- Mechanical movement. L. E. Paris and A. Premo. No. 1,083,261; Dec. 30; Gaz. vol. 197; p. 1266.
- Mechanical movement and machine embodying same. G. Sim. No. 1,051,923; Feb. 4; Gaz. vol. 187; p. 26.
- Medallion. W. F. Durnan. No. 1,055,453; Mar. 11; Gaz. vol. 188; p. 306.
- Medical applicator and dilator, Combined. R. W. Ammons. No. 1,050,591; Jan. 14; Gaz. vol. 186; p. 469.
- Medical cabinet. I. H. Lewin. No. 1,059,172; Apr. 15; Gaz. vol. 189; p. 693.
- Medical electric-current regulator. A. J. Hoenes. No. 1,078,787; Nov. 18; Gaz. vol. 196; p. 597.
- Medical-treatment apparatus. A. E. Gareau. No. 1,068,234; July 22; Gaz. vol. 192; p. 899.
- Medicament-holder. J. C. McLeod. No. 1,051,149; Jan. 21; Gaz. vol. 186; p. 695.
- Medicament-vaporizing apparatus. W. Reismann. No. 1,069,980; Aug. 12; Gaz. vol. 193; p. 336.
- Medicaments to the respiratory passages, Appliance for use in administering. W. H. Cadman. No. 1,056,255; Mar. 18; Gaz. vol. 188; p. 610.
- Medicinal composition. A. Viquerat. No. 1,081,069; Dec. 9; Gaz. vol. 197; p. 427.
- Medicinal composition, Making. F. E. Hafnail. No. 1,082,081; Dec. 23; Gaz. vol. 197; p. 834.
- Medicinal preparation. P. Ehrlich and A. Bertheim. No. 1,081,592; Dec. 16; Gaz. vol. 197; p. 640.
- Medicinal preparation. P. Ehrlich and A. Bertheim. No. 1,081,897; Dec. 16; Gaz. vol. 197; p. 742.
- Medicine-capsule. M. Pollock. No. 1,079,438; Nov. 25; Gaz. vol. 196; p. 849.
- Medicine-dropper. C. F. Hyde. No. 1,055,180; Mar. 4; Gaz. vol. 188; p. 176.
- Medicine-dropper. L. P. Savage. No. 1,069,732; Aug. 12; Gaz. vol. 193; p. 251.
- Melting and casting pot. T. C. Sheehan. No. 1,074,901; Oct. 7; Gaz. vol. 195; p. 106.
- Melting apparatus, Portable. G. Gabrys. No. 1,082,314; Dec. 23; Gaz. vol. 197; p. 916.
- Melting-furnace. T. W. Morrell. No. 1,075,592; Oct. 14; Gaz. vol. 195; p. 373.
- Melting-furnace, Electric. L. E. Howard. No. 1,076,887; Oct. 28; Gaz. vol. 195; p. 904.
- Melting-furnace, Electric-resistance. A. Voelker. No. 1,051,036; Jan. 21; Gaz. vol. 186; p. 657.
- Melting-furnace, Gas-fired. W. G. Kranz. No. 1,067,040; July 8; Gaz. vol. 192; p. 422.
- Membership-record. B. and S. Brady. No. 1,065,428; June 24; Gaz. vol. 191; p. 872.
- Merchandise articles, Device for exhibiting. T. O. Peterson. No. 1,060,787; May 6; Gaz. vol. 190; p. 76.
- Mercury bichlorid, Apparatus for manufacturing. F. Kaufler and A. Klages. No. 1,082,530; Dec. 30; Gaz. vol. 197; p. 1019.
- Mercury compounds and producing same. A. B. Davis. No. 1,079,693; Nov. 25; Gaz. vol. 196; p. 938.
- Mercury compounds, Organic. M. Engelmann. No. 1,074,781; Oct. 7; Gaz. vol. 195; p. 67.
- Mercury-dropper. E. C. Ketchum. No. 1,059,304; Apr. 15; Gaz. vol. 189; p. 739.
- Mercury-dropper. D. H. Andrews. No. 1,060,306; Apr. 29; Gaz. vol. 189; p. 1156.
- Mercury-meter. D. C. Jackson. No. 1,049,365; Jan. 7; Gaz. vol. 186; p. 16.

Alphabetical list of inventions—Continued.

- Mercury. Producing a new effective preparation of. E. Scheitlin. No. 1,068,172; July 22; Gaz. vol. 192; p. 877.
- Merry-go-round. R. H. Hemphill. No. 1,049,480; Jan. 7; Gaz. vol. 186; p. 54.
- Merry-go-round. J. A. Miller. No. 1,049,753; Jan. 7; Gaz. vol. 186; p. 147.
- Merry-go-round. F. B. Crosby. No. 1,050,430; Jan. 14; Gaz. vol. 186; p. 412.
- Merry-go-round. W. J. McLevie. No. 1,066,640; July 8; Gaz. vol. 192; p. 287.
- Merry-go-round. L. Blount. No. 1,070,105; Aug. 12; Gaz. vol. 193; p. 379.
- Merry-go-round. W. S. Tothill. No. 1,073,449; Sept. 16; Gaz. vol. 194; p. 684.
- Merry-go-round. T. W. Prior and F. A. Church. No. 1,082,764; Dec. 30; Gaz. vol. 197; p. 1104.
- Mesh-bag. E. Beline. No. 1,074,237; Sept. 30; Gaz. vol. 194; p. 1002.
- Mesh-bag and making the same. C. A. Smith. No. 1,074,904; Oct. 7; Gaz. vol. 195; p. 107.
- Metal and mineral bearing materials. Treating. J. L. Malm. No. 1,049,746; Jan. 7; Gaz. vol. 186; p. 145.
- Metal. Apparatus for compressing liquid. B. Gerdau. No. 1,050,448; Jan. 14; Gaz. vol. 186; p. 419.
- Metal article. J. C. Russell. No. 1,080,590; Dec. 9; Gaz. vol. 197; p. 266.
- Metal article. Composite. L. B. Tebbetts, 2d. No. 1,079,035; Nov. 18; Gaz. vol. 196; p. 683.
- Metal article. Hollow compound-. J. F. Monnot. No. 1,063,574; June 3; Gaz. vol. 191; p. 137.
- Metal articles for attachment to wooden and other bodies. Constructing ductile. F. O. Kroll. No. 1,056,695; Mar. 18; Gaz. vol. 188; p. 760.
- Metal articles. Shaping hollow. J. F. Lewis. No. 1,062,719; May 27; Gaz. vol. 190; p. 848.
- Metal balls. Mechanism for hardening. O. W. Schaum. No. 1,054,038; Feb. 25; Gaz. vol. 187; p. 863.
- Metal bars, rails, &c., Manufacture of. T. A. Dicks. No. 1,072,436; Sept. 9; Gaz. vol. 194; p. 290.
- Metal-bending machine. W. Vollmer. No. 1,080,309; Dec. 2; Gaz. vol. 197; p. 136.
- Metal blanks. Machine for reducing the section of. P. M. Haas. No. 1,072,001; Sept. 2; Gaz. vol. 194; p. 115.
- Metal blocks. Manufacturing porous. V. Löwendahl. No. 1,051,814; Jan. 28; Gaz. vol. 186; p. 950.
- Metal bodies. Making compound hollow. E. G. Cook. No. 1,063,417; June 3; Gaz. vol. 191; p. 83.
- Metal-bound box. J. J. Miller. No. 1,053,198; Feb. 18; Gaz. vol. 187; p. 539.
- Metal box. F. E. Sprague. No. 1,062,859; May 27; Gaz. vol. 190; p. 894.
- Metal clamps. Device for applying. W. L. Evans, Jr. No. 1,069,539; Aug. 5; Gaz. vol. 193; p. 156.
- Metal-coating apparatus. G. M. Wright. No. 1,050,897; Jan. 21; Gaz. vol. 186; p. 608.
- Metal. Composite. T. S. Fuller. No. 1,077,977; Nov. 11; Gaz. vol. 195; p. 284.
- Metal. Compound. B. E. Eldred. No. 1,083,070; Dec. 30; Gaz. vol. 197; p. 1207.
- Metal container. T. J. Buckley. No. 1,080,747; Dec. 9; Gaz. vol. 197; p. 320.
- Metal-cutting machine. I. Plost. No. 1,054,143; Feb. 25; Gaz. vol. 187; p. 898.
- Metal-cutting-off device. E. E. Smith. No. 1,073,873; Sept. 23; Gaz. vol. 194; p. 851.
- Metal-cutting-off machine. G. Gorton. No. 1,063,789; June 3; Gaz. vol. 191; p. 214.
- Metal-cutting shears. H. C. Smith. No. 1,063,298; June 3; Gaz. vol. 191; p. 44.
- Metal-cutting tool. F. E. Bocorselski. No. 1,068,211; July 22; Gaz. vol. 192; p. 890.
- Metal. Densifying. F. L. O. Wadsworth. No. 1,050,879; Jan. 21; Gaz. vol. 186; p. 601.
- Metal. Expanded. J. Kahn. No. 1,050,837; Jan. 21; Gaz. vol. 186; p. 585.
- Metal. Expanded. D. G. Clark. No. 1,080,418; Dec. 2; Gaz. vol. 197; p. 177.
- Metal-expanding machine. H. E. White. No. 1,061,953; May 13; Gaz. vol. 190; p. 508.
- Metal fabric. Machinery for weaving. J. D. Smith. No. 1,065,561; June 24; Gaz. vol. 191; p. 917.
- Metal-foil molds or forms. Apparatus for composing and decomposing. J. Heinrich. No. 1,062,588; May 27; Gaz. vol. 190; p. 804.
- Metal leaf. Forming mountings for. F. W. Rauskolb. No. 1,072,992; Sept. 9; Gaz. vol. 194; p. 488.
- Metal-manipulator. J. Kennedy. No. 1,073,607; Sept. 23; Gaz. vol. 194; p. 758.
- Metal manufacture. Expanded. N. E. Clark. No. 1,062,768; May 27; Gaz. vol. 190; p. 863.
- Metal. Method of and machine for extruding. D. L. Summey. (Reissue.) No. 1,356,2; May 13; Gaz. vol. 190; p. 513.
- Metal or alloys into molds. Apparatus for melting, compressing, and forcing. W. G. Hanna, Jr. No. 1,078,921; Nov. 18; Gaz. vol. 196; p. 642.
- Metal-overhauling machine. J. M. Chatfield and K. W. Hallden. No. 1,051,084; Jan. 21; Gaz. vol. 186; p. 673.
- Metal-pickling apparatus. E. J. Carey. No. 1,066,993; July 8; Gaz. vol. 192; p. 407.
- Metal piling structure. C. Trimborn. No. 1,074,665; Oct. 7; Gaz. vol. 195; p. 27.
- Metal plates. Pickling and washing machine for. A. Meyn. No. 1,066,298; July 1; Gaz. vol. 192; p. 141.
- Metal. Plating. W. S. Rockey and H. Eldridge. No. 1,065,727; June 24; Gaz. vol. 191; p. 973.
- Metal. Process of and apparatus for delivering molten. G. Mellen. No. 1,053,948; Feb. 18; Gaz. vol. 187; p. 795.
- Metal-reducing machine. B. M. W. Hanson. No. 1,065,869; June 24; Gaz. vol. 191; p. 1021.
- Metal reinforcing structure and producing same. Expanded-. B. Wolhaupter. No. 1,081,647; Dec. 16; Gaz. vol. 197; p. 658.
- Metal. Rolled. E. R. Hoyt. No. 1,061,674; May 13; Gaz. vol. 190; p. 419.
- Metal-salt solutions. Electrolysis of. N. V. Hybinette. No. 1,052,256; Feb. 4; Gaz. vol. 187; p. 143.
- Metal-shearing machine. J. W. Branson. No. 1,073,583; Sept. 16; Gaz. vol. 194; p. 729.
- Metal-shears. F. M. Lattridge. No. 1,058,769; Apr. 15; Gaz. vol. 189; p. 553.
- Metal-shears. C. F. Heinss. No. 1,066,612; July 8; Gaz. vol. 192; p. 277.
- Metal-shears. Hand. W. A. Whitney. No. 1,065,753; June 24; Gaz. vol. 191; p. 982.
- Metal-strand machine. W. G. Staples. No. 1,063,895; June 3; Gaz. vol. 191; p. 248.
- Metal strips. Device for straightening. M. M. Beeman and J. F. Kitchen. No. 1,051,063; Jan. 21; Gaz. vol. 186; p. 666.
- Metal strips. Machine for coiling. D. L. Summey. No. 1,079,071; Nov. 18; Gaz. vol. 196; p. 696.
- Metal strips. Machine for mounting. W. Stuebing, Sr. No. 1,057,295; Mar. 25; Gaz. vol. 188; p. 996.
- Metal structure. W. L. Caldwell. No. 1,074,242; Sept. 30; Gaz. vol. 194; p. 1004.
- Metal structures. Machine for forming trussed. A. J. Bates. No. 1,083,180; Dec. 30; Gaz. vol. 197; p. 1239.
- Metal structures. Manufacturing expanded-. H. E. White. No. 1,057,694; Apr. 1; Gaz. vol. 189; p. 102.
- Metal. Surface-hardening. J. H. McCormick. No. 1,071,937; Sept. 2; Gaz. vol. 194; p. 93.
- Metal surfaces. Producing clean or deoxidized. J. A. Hatfield and C. R. Yates. No. 1,080,059; Dec. 2; Gaz. vol. 197; p. 49.
- Metal tie and rail-fastener. A. Zimmerman. No. 1,078,326; Nov. 11; Gaz. vol. 196; p. 405.
- Metal. Treating. F. L. O. Wadsworth. No. 1,050,878; Jan. 21; Gaz. vol. 186; p. 601.
- Metal tubes. Machine for hot-lacquering. R. L. Horrell. No. 1,070,035; Aug. 12; Gaz. vol. 193; p. 355.
- Metal-turning machine. W. E. Cole. No. 1,069,319; Aug. 5; Gaz. vol. 193; p. 80.
- Metal-turning-tool cutter. J. Hartness. No. 1,063,680; June 3; Gaz. vol. 191; p. 178.
- Metal walls. Making vibratory corrugated-. W. M. Fulton. No. 1,049,572; Jan. 7; Gaz. vol. 186; p. 88.
- Metal wheel. Cast-. T. V. Buckwalter. No. 1,069,598; Aug. 5; Gaz. vol. 193; p. 175.
- Metal wheels. Apparatus for removing the projecting ridges from pressed. R. Kronenberg. No. 1,080,566; Dec. 9; Gaz. vol. 197; p. 257.
- Metal-work. Riveted. A. F. Rietzel. No. 1,082,767; Dec. 30; Gaz. vol. 197; p. 1105.
- Metal-working. N. E. Clark. No. 1,052,888; Feb. 11; Gaz. vol. 187; p. 388.
- Metal-working apparatus. Clamp for electric. G. E. Barstow. No. 1,052,787; Feb. 11; Gaz. vol. 187; p. 354.
- Metal-working apparatus. Electric. A. F. Rietzel. No. 1,049,920; Jan. 7; Gaz. vol. 186; p. 203.
- Metal-working apparatus. Electric. A. F. Rietzel. No. 1,074,383; Sept. 30; Gaz. vol. 194; p. 1050.
- Metal-working machine. O. A. Smith. No. 1,056,066; Mar. 18; Gaz. vol. 188; p. 545.
- Metal-working machine. W. B. Pearson. No. 1,060,119; Apr. 29; Gaz. vol. 189; p. 1090.
- Metal-working machine. F. W. Millek. No. 1,060,274; Apr. 29; Gaz. vol. 189; p. 1144.
- Metal-working machine. J. Hartness. No. 1,063,681; June 3; Gaz. vol. 191; p. 178.
- Metal-working machine. E. R. Seward. No. 1,063,744; June 3; Gaz. vol. 191; p. 199.
- Metal-working machine. T. P. Payne. No. 1,075,491; Oct. 14; Gaz. vol. 195; p. 339.
- Metal-working machine. T. P. Payne. No. 1,075,492; Oct. 14; Gaz. vol. 195; p. 339.
- Metal-working machine. H. M. Hunter. No. 1,081,964; Dec. 23; Gaz. vol. 197; p. 793.
- Metal-working machinery. Driving and feeding mechanism in. A. M. Sosa. No. 1,074,906; Oct. 7; Gaz. vol. 195; p. 108.
- Metals. alloys. and steels. Apparatus for treating molten. L. M. V. H. Baraduc-Muller. No. 1,077,925; Nov. 4; Gaz. vol. 196; p. 234.
- Metals. alloys. and steels. Treating. L. M. V. H. Baraduc-Muller. No. 1,071,632; Aug. 26; Gaz. vol. 193; p. 967.
- Metals and alloys. Melting. R. S. Wile. No. 1,070,568; Aug. 19; Gaz. vol. 193; p. 581.

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- Metals, Apparatus for testing the hardness of. W. H. Keen. No. 1,071,430; Aug. 26; Gaz. vol. 193; p. 900.
- Metals by fusion, Electric deposition of. A. P. Strohmenger. No. 1,073,543; Sept. 16; Gaz. vol. 194; p. 714.
- Metals by means of gases, Machine for cutting and welding of. J. W. Whitford. No. 1,068,721; July 29; Gaz. vol. 192; p. 1106.
- Metals ductile, Rendering insufficiently-ductile. C. Trenzen. No. 1,074,993; Oct. 7; Gaz. vol. 195; p. 137.
- Metals from cupriferous materials, Cyclic process of extracting. A. David. No. 1,075,093; Oct. 7; Gaz. vol. 195; p. 174.
- Metals from minerals, rocks, and other materials, Extracting. K. Birkeland. No. 1,071,290; Aug. 26; Gaz. vol. 193; p. 854.
- Metals from ores, Apparatus for extracting. H. S. MacKay. No. 1,074,274; Sept. 30; Gaz. vol. 194; p. 1014.
- Metals from their ores, Extracting. H. B. Slater. No. 1,066,855; July 8; Gaz. vol. 192; p. 360.
- Metals, Fusing and purifying. W. S. Rockey and H. Eldridge. No. 1,057,882; Apr. 1; Gaz. vol. 189; p. 167.
- Metals, Producing. S. E. Sieurin. No. 1,065,890; June 24; Gaz. vol. 191; p. 1029.
- Metals, Producing clad. W. M. Page. No. 1,066,312; July 1; Gaz. vol. 192; p. 146.
- Metals, Producing clad. B. E. Eldred. No. 1,078,906; Nov. 18; Gaz. vol. 196; p. 637.
- Metals, Treating. A. J. Rossi and W. F. Meredith. No. 1,056,125; Mar. 18; Gaz. vol. 188; p. 566.
- Metals, Treating. J. A. McLarty. No. 1,073,076; Sept. 9; Gaz. vol. 194; p. 517.
- Metals, Treating. J. A. McLarty. No. 1,079,787; Nov. 25; Gaz. vol. 196; p. 974.
- Metals, Uniting. F. L. O. Wadsworth. No. 1,050,880; Jan. 21; Gaz. vol. 186; p. 601.
- Metals, Working refractory. M. von Pirani and H. Pohl. No. 1,071,174; Aug. 26; Gaz. vol. 193; p. 816.
- Metallate silicate, Production of. R. Boehringer and A. E. Gessler. No. 1,050,204; Jan. 14; Gaz. vol. 186; p. 333.
- Metallic bands, Apparatus for the manufacture of. J. B. McKibbin. No. 1,076,439; Oct. 21; Gaz. vol. 195; p. 692.
- Metallic bodies by means of electrodeposition, Production of. S. Consigliere. No. 1,051,556; Jan. 28; Gaz. vol. 186; p. 866.
- Metallic body, Plated. G. A. Goodson. No. 1,061,066; May 6; Gaz. vol. 190; p. 176.
- Metallic box. J. M. St. Helens. No. 1,065,404; June 24; Gaz. vol. 191; p. 863.
- Metallic box. R. H. Baker. No. 1,074,539; Sept. 30; Gaz. vol. 194; p. 1100.
- Metallic box. W. I. Tuttle. No. 1,080,179; Dec. 2; Gaz. vol. 197; p. 91.
- Metallic box. W. I. Tuttle. No. 1,080,180; Dec. 2; Gaz. vol. 197; p. 91.
- Metallic coating for metallic articles. H. J. Lohmann. No. 1,052,156; Feb. 4; Gaz. vol. 187; p. 109.
- Metallic fabric. I. Bing. No. 1,055,509; Mar. 11; Gaz. vol. 188; p. 325.
- Metallic fabric. J. D. Haggard. No. 1,062,967; May 27; Gaz. vol. 190; p. 930.
- Metallic fabric for beds or couches. W. J. Grotenhuis. No. 1,077,705; Nov. 4; Gaz. vol. 196; p. 158.
- Metallic joint and making the same. F. G. S. Price. No. 1,067,755; July 15; Gaz. vol. 192; p. 702.
- Metallic ring. J. M. Clark and G. A. Gustafson. No. 1,052,462; Feb. 11; Gaz. vol. 187; p. 245.
- Metallic structural joint. E. B. Wheeler. No. 1,064,580; June 10; Gaz. vol. 191; p. 517.
- Metallic structure, Knockdown. W. M. Sawyer. No. 1,054,317; Feb. 25; Gaz. vol. 187; p. 957.
- Metallic surfaces, Means for densifying. F. L. O. Wadsworth. No. 1,074,824; Oct. 7; Gaz. vol. 195; p. 80.
- Metallic tie. D. Crawford, Jr. No. 1,057,805; Apr. 1; Gaz. vol. 189; p. 140.
- Metallic tie. D. Crawford, Jr. No. 1,063,013; May 27; Gaz. vol. 190; p. 944.
- Metallic tie. D. Crawford, Jr. No. 1,063,014; May 27; Gaz. vol. 190; p. 944.
- Metallic tie. C. M. Smith. No. 1,069,484; Aug. 5; Gaz. vol. 193; p. 139.
- Metallic tie. J. Albright. No. 1,077,209; Oct. 28; Gaz. vol. 195; p. 1011.
- Metallic tie and fastener. B. B. Morris. No. 1,058,084; Apr. 8; Gaz. vol. 189; p. 280.
- Metallic tie and fastener. C. E. Klogus. No. 1,066,921; July 8; Gaz. vol. 192; p. 384.
- Metallic tie and rail-fastener. B. Stiffier. No. 1,058,112; Apr. 8; Gaz. vol. 189; p. 290.
- Metallic tie and rail-fastener. D. Hayes. No. 1,060,253; Apr. 29; Gaz. vol. 189; p. 1137.
- Metallic tie and rail-fastener. F. Wajda. No. 1,062,424; May 20; Gaz. vol. 190; p. 709.
- Metallic tie and rail-fastener. F. Wajda. No. 1,062,425; May 20; Gaz. vol. 190; p. 709.
- Metallic tie and rail-fastener. E. T. Ramsay. No. 1,068,700; July 29; Gaz. vol. 192; p. 1098.
- Metallic wheel. S. H. Summerscales. No. 1,078,522; Nov. 11; Gaz. vol. 196; p. 472.
- Metallizing ceramic and other surfaces. Q. Marino. No. 1,077,357; Nov. 4; Gaz. vol. 196; p. 41.
- Metalloidal material. E. Weintraub. No. 1,074,672; Oct. 7; Gaz. vol. 195; p. 30.
- Metallurgical apparatus. W. Bryant. No. 1,061,446; May 13; Gaz. vol. 190; p. 337.
- Metallurgical apparatus. W. M. Johnson. No. 1,069,260; Aug. 5; Gaz. vol. 193; p. 61.
- Metallurgical furnace. U. Wedge. No. 1,060,389; Apr. 29; Gaz. vol. 189; p. 1186.
- Metallurgical furnace. L. A. Smallwood. No. 1,082,828; Dec. 30; Gaz. vol. 197; p. 1126.
- Metallurgical furnace, Tilting. W. W. Case, Jr. No. 1,066,995; July 8; Gaz. vol. 192; p. 407.
- Metallurgy of iron and steel. W. S. Simpson and H. Oviatt. No. 1,061,950; May 13; Gaz. vol. 190; p. 508.
- Meter: See Electric meter; Electrolytic meter; Fluid-meter; Fluid-flow meter; Furnace-meter; Gas-meter; Gas or like meter; Indicating torque-meter; Liquid-meter; Mercury-meter; Pneumatic meter; Proportional meter; Recording-meter; Steam-meter; Time-cost meter; Vending-meter; Water-meter; Wave-meter.
- Meter. H. Chrisman. No. 1,078,257; Nov. 11; Gaz. vol. 196; p. 380.
- Meter and valve, Combined. A. A. Bowser. No. 1,079,103; Nov. 18; Gaz. vol. 196; p. 705.
- Meter-box and meter connection. W. Sieber. No. 1,057,289; Mar. 25; Gaz. vol. 188; p. 994.
- Meter for measuring elastic fluids. A. R. Dodge. No. 1,056,513; Mar. 18; Gaz. vol. 188; p. 699.
- Meter recording attachment. H. A. Selah. No. 1,060,139; Apr. 29; Gaz. vol. 189; p. 1097.
- Meter recording mechanism. S. C. Shaffner. No. 1,054,720; Mar. 4; Gaz. vol. 188; p. 22.
- Meter-service lead connection for three-wire systems. P. H. Bacon. No. 1,052,555; Feb. 11; Gaz. vol. 187; p. 275.
- Meter-switch. M. C. Rypinski. No. 1,049,403; Jan. 7; Gaz. vol. 186; p. 29.
- Meter-testing apparatus. F. C. Shepard and J. T. Lucas. No. 1,049,541; Jan. 7; Gaz. vol. 186; p. 76.
- Meter-testing apparatus. R. L. Dezendorf. No. 1,061,271; May 13; Gaz. vol. 190; p. 278.
- Meter-wheel. C. W. Chisholm and E. Kibele. No. 1,069,854; Aug. 12; Gaz. vol. 193; p. 294.
- Meters, Integrating and recording apparatus for. F. N. Connet. No. 1,059,277; Apr. 15; Gaz. vol. 189; p. 730.
- Metering panel-board. A. C. McWilliams. No. 1,061,195; May 6; Gaz. vol. 190; p. 216.
- Metronome. H. Coullery. No. 1,058,659; Apr. 8; Gaz. vol. 189; p. 477.
- Mica-building machine. J. R. Sanborn. No. 1,074,576; Sept. 30; Gaz. vol. 194; p. 1113.
- Micro movements in weak-current technics, Apparatus for producing and utilizing. J. A. Johnsen. No. 1,075,786; Oct. 14; Gaz. vol. 195; p. 438.
- Micrometer adjusting feeler-gage, Toolmaker's. J. F. Coulthurst. No. 1,068,983; July 29; Gaz. vol. 192; p. 1197.
- Micrometer-gage. C. A. Hirth. No. 1,049,860; Jan. 7; Gaz. vol. 186; p. 184.
- Micrometer-gage. J. Tague. No. 1,065,637; June 24; Gaz. vol. 191; p. 943.
- Micrometer-gage. J. Sutorik. No. 1,065,744; June 24; Gaz. vol. 191; p. 979.
- Micrometer-gage. H. S. Plant. No. 1,072,493; Sept. 9; Gaz. vol. 194; p. 309.
- Microphone. G. A. Nussbaum. No. 1,069,899; Aug. 12; Gaz. vol. 193; p. 309.
- Microphone. J. J. Comer. No. 1,079,931; Dec. 2; Gaz. vol. 197; p. 3.
- Microscope, Corneal. C. H. Pixley. No. 1,073,436; Sept. 16; Gaz. vol. 194; p. 679.
- Microscope-stage, Mechanical. H. Hayes. No. 1,080,968; Dec. 9; Gaz. vol. 197; p. 397.
- Microtelephone. W. B. Oliver. No. 1,074,286; Sept. 30; Gaz. vol. 194; p. 1018.
- Microtelephones, Amplifying-case for. W. B. Oliver. No. 1,078,746; Nov. 18; Gaz. vol. 196; p. 581.
- Milk-agitator. R. A. Schultz. No. 1,082,100; Dec. 23; Gaz. vol. 197; p. 840.
- Milk and cream separator for bottles. F. M. Kiger. No. 1,058,599; Apr. 8; Gaz. vol. 189; p. 457.
- Milk and making the same, Desiccated. W. H. Swenarton. No. 1,056,719; Mar. 18; Gaz. vol. 188; p. 769.
- Milk and similar food, Machine for drying. J. O. A. Amundsen. No. 1,078,603; Nov. 18; Gaz. vol. 196; p. 531.
- Milk-can. L. R. Steel. No. 1,051,028; Jan. 21; Gaz. vol. 186; p. 654.
- Milk-can. E. König. No. 1,051,121; Jan. 21; Gaz. vol. 186; p. 686.
- Milk-can. J. D. Allen. No. 1,051,183; Jan. 21; Gaz. vol. 186; p. 707.
- Milk-can. L. R. Steel. No. 1,053,236; Feb. 18; Gaz. vol. 187; p. 551.
- Milk-can. L. R. Steel. No. 1,053,237; Feb. 18; Gaz. vol. 187; p. 552.
- Milk-can. L. R. Steel. No. 1,055,950; Mar. 11; Gaz. vol. 188; p. 471.

Alphabetical list of inventions—Continued.

- Milk-can. C. H. Zwermann. No. 1,059,423; Apr. 22; Gaz. vol. 189; p. 817.
- Milk-can. C. H. Zwermann. No. 1,059,424; Apr. 22; Gaz. vol. 189; p. 818.
- Milk-can. W. F. Donnell. No. 1,065,667; June 24; Gaz. vol. 191; p. 953.
- Milk-can. L. R. Steel. No. 1,071,968; Sept. 2; Gaz. vol. 194; p. 102.
- Milk-can. S. V. Le Sieur. No. 1,075,834; Oct. 14; Gaz. vol. 195; p. 456.
- Milk-can, Heat-insulated. L. R. Steel. No. 1,059,230; Apr. 15; Gaz. vol. 189; p. 713.
- Milk-can, Security. A. L. Liebel and L. Barker. No. 1,069,963; Aug. 12; Gaz. vol. 193; p. 329.
- Milk-can, Vacuum-insulated metal. L. R. Steel. No. 1,067,072; July 8; Gaz. vol. 192; p. 432.
- Milk-condenser. S. P. Hay. No. 1,067,336; July 15; Gaz. vol. 192; p. 561.
- Milk-containers, Combined rack and seal for submerged. E. L. Wescott. No. 1,076,852; Oct. 28; Gaz. vol. 195; p. 891.
- Milk-cooling apparatus. J. Andersson. No. 1,050,782; Jan. 21; Gaz. vol. 186; p. 565.
- Milk-cooling device. J. W. Fell. No. 1,059,854; Apr. 22; Gaz. vol. 189; p. 958.
- Milk cooling, ventilating, and protecting device. H. N. Roys. No. 1,051,269; Jan. 21; Gaz. vol. 186; p. 734.
- Milk, Drying. O. Nicolai. No. 1,063,581; June 3; Gaz. vol. 191; p. 139.
- Milk, Manufacture of desiccated. J. D. Davis. No. 1,070,781; Aug. 19; Gaz. vol. 193; p. 652.
- Milk, Manufacturing condensed. M. Vouga. No. 1,062,133; May 20; Gaz. vol. 190; p. 611.
- Milk-modifier. A. M. Alberty. No. 1,069,096; Aug. 5; Gaz. vol. 193; p. 3.
- Milk-pasteurizing apparatus. H. Feldmeier and C. B. Dalzell. No. 1,067,513; July 15; Gaz. vol. 192; p. 621.
- Milk, Preserving. C. H. Atkins. No. 1,057,519; Apr. 1; Gaz. vol. 189; p. 42.
- Milk, Producing desiccated. A. A. Dunham. No. 1,074,419; Sept. 30; Gaz. vol. 194; p. 1063.
- Milk product. G. J. Huestis. No. 1,063,687; June 3; Gaz. vol. 191; p. 180.
- Milk-retarding apparatus. F. R. Monroe. No. 1,082,206; Dec. 23; Gaz. vol. 197; p. 875.
- Milk-separating machine, Centrifugal. S. C. Hauberg. No. 1,081,304; Dec. 16; Gaz. vol. 197; p. 544.
- Milk-separator disks, Washing-machine for. H. G. Bemis. No. 1,061,157; May 6; Gaz. vol. 190; p. 204.
- Milk, Sterilizing. C. de Bock. No. 1,074,315; Sept. 30; Gaz. vol. 194; p. 1028.
- Milk, Sterilizing. C. E. Bonine. No. 1,081,483; Dec. 16; Gaz. vol. 197; p. 606.
- Milk stirrer and aerator, Combined. A. L. Palmer. No. 1,067,056; July 8; Gaz. vol. 192; p. 427.
- Milk-testing apparatus. A. Faitelowitz. No. 1,059,289; Apr. 15; Gaz. vol. 189; p. 734.
- Milking apparatus. L. Dinesen. No. 1,072,584; Sept. 9; Gaz. vol. 194; p. 341.
- Milking apparatus. A. F. Stephens. No. 1,073,538; Sept. 16; Gaz. vol. 194; p. 712.
- Milking apparatus. G. V. Roberts, Jr. No. 1,074,206; Sept. 30; Gaz. vol. 194; p. 992.
- Milking apparatus. O. G. Rieske. No. 1,074,979; Oct. 7; Gaz. vol. 195; p. 132.
- Milking apparatus, Cow-. G. A. Brodie. No. 1,051,482; Jan. 28; Gaz. vol. 186; p. 840.
- Milking device. T. Kupfer. No. 1,057,486; Apr. 1; Gaz. vol. 189; p. 31.
- Milking-machine. C. H. Judson. No. 1,060,261; Apr. 29; Gaz. vol. 189; p. 1139.
- Milking-machine. H. Droutledge. No. 1,060,828; May 6; Gaz. vol. 190; p. 91.
- Milking-machine. R. D. Roth. No. 1,063,737; June 3; Gaz. vol. 191; p. 197.
- Milking-machine. R. Kennedy. No. 1,064,489; June 10; Gaz. vol. 191; p. 487.
- Milking-machine. J. L. Hulbert. No. 1,070,134; Aug. 12; Gaz. vol. 193; p. 389.
- Milking-machine. J. L. Hulbert. No. 1,070,135; Aug. 12; Gaz. vol. 193; p. 390.
- Milking-machine. J. Nielsen. No. 1,070,166; Aug. 12; Gaz. vol. 193; p. 400.
- Milking machine, Cow-. S. E. Jenkins. No. 1,066,430; July 1; Gaz. vol. 192; p. 182.
- Milking-pulsators, Apparatus for the pneumatic control of. T. T. Sabroe. No. 1,070,740; Aug. 19; Gaz. vol. 193; p. 639.
- Mill: See Ball-mill; Ball or pebble mill; Cane-mill; Cane and like mill; Cane-grinding mill; Chilian mill; Crushing-mill; Crushing and grinding mill; Curd-mill; Drug-mill; Fanning-mill; Feed-mill; Grinding-mill; Grinding and cleaning mill; Grinding and crushing mill; Ore-mill; Pebble-mill; Pipe-mill; Pulverizing-mill; Rail-straightening mill; Rolling-mill; Sawmill; Shingle-mill; Tube-mill; Water cinder-mill; Windmill.
- Mill. I. C. and M. C. Landes. No. 1,051,338; Jan. 21; Gaz. vol. 186; p. 757.
- Mill. G. W. O. Bryan. No. 1,077,852; Nov. 4; Gaz. vol. 196; p. 209.
- Mill adapted for the crushing of sugar-canes and the like. F. W. Bolk. No. 1,074,159; Sept. 30; Gaz. vol. 194; p. 976.
- Mill attachment. S. E. Amman. No. 1,060,411; Apr. 29; Gaz. vol. 189; p. 1195.
- Mill, Ball-. F. E. Marcy. No. 1,080,768; Dec. 9; Gaz. vol. 197; p. 327.
- Mill-lining device, Band-. J. E. Whitworth. No. 1,056,615; Mar. 18; Gaz. vol. 188; p. 733.
- Mill-roll. E. L. Davies. No. 1,057,713; Apr. 1; Gaz. vol. 189; p. 109.
- Milling-cutter. G. W. Conklin. No. 1,063,659; June 3; Gaz. vol. 191; p. 170.
- Milling-cutter. F. E. Gilford. No. 1,071,615; Aug. 26; Gaz. vol. 193; p. 962.
- Milling-machine. E. J. Kearney and T. Trecker. No. 1,053,296; Feb. 18; Gaz. vol. 187; p. 573.
- Milling-machine. R. D. Ackley and M. C. Abbey. No. 1,055,964; Mar. 11; Gaz. vol. 188; p. 475.
- Milling-machine. J. C. Potter. No. 1,060,705; May 6; Gaz. vol. 190; p. 50.
- Milling-machine. C. E. Bilton. No. 1,061,973; May 20; Gaz. vol. 190; p. 557.
- Milling-machine. G. W. Smith. No. 1,081,932; Dec. 16; Gaz. vol. 197; p. 753.
- Milling-machine attachment. B. M. W. Hanson. No. 1,065,868; June 24; Gaz. vol. 191; p. 1021.
- Milling machine, Crank-shaft-. C. Overgaard. No. 1,080,576; Dec. 9; Gaz. vol. 197; p. 260.
- Milling-machine transmission mechanism. J. Becker. No. 1,050,792; Jan. 21; Gaz. vol. 186; p. 569.
- Milling-machine, Vertical. J. Becker. No. 1,082,995; Dec. 30; Gaz. vol. 197; p. 1183.
- Milling-machines, Gear-cutting attachment for. L. E. Bagwell. No. 1,080,094; Dec. 2; Gaz. vol. 197; p. 62.
- Milling plant. W. Reinhardt. No. 1,052,381; Feb. 4; Gaz. vol. 187; p. 183.
- Milling-thread cutter. D. Dreier. No. 1,064,198; June 10; Gaz. vol. 191; p. 387.
- Milling-tool. W. T. Strudwick. No. 1,071,479; Aug. 26; Gaz. vol. 193; p. 916.
- Milling-tool, Portable. W. Bennington and J. Gunzenhauser. No. 1,055,013; Mar. 4; Gaz. vol. 188; p. 122.
- Milliner's work-holder. D. L. Aitcheson. No. 1,051,052; Jan. 21; Gaz. vol. 186; p. 662.
- Millinery-pliers. R. C. vom Cleff. No. 1,077,672; Nov. 4; Gaz. vol. 196; p. 148.
- Milo-maize-heading machine. J. M. Forshee. No. 1,053,804; Feb. 18; Gaz. vol. 187; p. 747.
- Mine, Automatic submarine. G. E. Elia. No. 1,059,850; Apr. 22; Gaz. vol. 189; p. 957.
- Mine-cages, Safety appliance for. G. E. Huttelmaier. No. 1,061,747; May 13; Gaz. vol. 190; p. 443.
- Mine-hoist recorder. O. W. Ingels. No. 1,079,493; Nov. 25; Gaz. vol. 196; p. 868.
- Mine protective device. J. W. Reed. No. 1,064,378; June 10; Gaz. vol. 191; p. 448.
- Mine-shaft lining. W. Breil. No. 1,051,076; Jan. 21; Gaz. vol. 186; p. 670.
- Mine-shot-firing system. G. I. Rawson. No. 1,078,463; Nov. 11; Gaz. vol. 196; p. 453.
- Mine-shovel. J. C. Cartmill. No. 1,078,255; Nov. 11; Gaz. vol. 196; p. 379.
- Mine-spider. B. Madera. No. 1,069,798; Aug. 12; Gaz. vol. 193; p. 274.
- Mine, Submarine. G. E. Elia. No. 1,057,950; Apr. 1; Gaz. vol. 189; p. 188.
- Mine, Submarine. G. E. Elia. No. 1,068,873; July 29; Gaz. vol. 192; p. 1161.
- Mine, Submarine. E. Schneider. No. 1,073,291; Sept. 16; Gaz. vol. 194; p. 628.
- Mines, Automatic anchoring device for submarine. G. E. Elia. No. 1,072,928; Sept. 9; Gaz. vol. 194; p. 464.
- Mines, Automatic car-stop and caging apparatus for. J. E. and I. A. Gable. No. 1,064,067; June 10; Gaz. vol. 191; p. 341.
- Mines, Indicating and alarm mechanism for the movements of gases in. A. Szabados and H. Mueller. No. 1,064,869; June 17; Gaz. vol. 191; p. 649.
- Mines, Mooring device for submarine. G. E. Elia. No. 1,059,851; Apr. 22; Gaz. vol. 189; p. 957.
- Mines, Safety device for operating submarine. G. E. Elia. No. 1,059,852; Apr. 22; Gaz. vol. 189; p. 957.
- Miner's drill. W. Channon. No. 1,055,608; Mar. 11; Gaz. vol. 188; p. 355.
- Miner's drill. S. T. Skeen. No. 1,065,005; June 17; Gaz. vol. 191; p. 692.
- Miner's emergency-case. G. M. Johnson. No. 1,066,449; July 1; Gaz. vol. 192; p. 189.
- Miner's gold-pan. E. O. C. Ord. No. 1,064,853; June 17; Gaz. vol. 191; p. 644.
- Miner's gold-pan. E. O. C. Ord. No. 1,064,854; June 17; Gaz. vol. 191; p. 644.
- Miner's squib. J. R. Powell. No. 1,050,390; Jan. 14; Gaz. vol. 186; p. 398.
- Mining apparatus. I. N. Henness. No. 1,054,410; Feb. 25; Gaz. vol. 187; p. 990.
- Mining-cage safety-catch. C. Methven. No. 1,080,648; Dec. 9; Gaz. vol. 197; p. 284.

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- Mining implement. W. O. Snelling. No. 1,071,270; Aug. 26; Gaz. vol. 193; p. 847.
- Mining-machine. P. J. and J. S. Kelley. No. 1,051,417; Jan. 28; Gaz. vol. 186; p. 818.
- Mining-machine. J. McDonald. No. 1,052,359; Feb. 4; Gaz. vol. 187; p. 174.
- Mining-machine. C. McKinnon. No. 1,059,188; Apr. 15; Gaz. vol. 189; p. 700.
- Mining-machine. E. R. Merrill. No. 1,073,271; Sept. 16; Gaz. vol. 194; p. 621.
- Mining-machine. E. McGowan. No. 1,077,418; Nov. 4; Gaz. vol. 196; p. 63.
- Mining-machine. H. A. Kuhn. No. 1,079,353; Nov. 25; Gaz. vol. 196; p. 821.
- Mining-machine. H. B. Dierdorff. No. 1,081,818; Dec. 16; Gaz. vol. 197; p. 716.
- Mining-machine. A. H. Gibson. No. 1,082,318; Dec. 23; Gaz. vol. 197; p. 917.
- Mining-machine. A. H. Gibson. No. 1,082,319; Dec. 23; Gaz. vol. 197; p. 918.
- Mining-machine bit. J. J. Moore. No. 1,077,542; Nov. 4; Gaz. vol. 196; p. 106.
- Mining-machine bit. J. J. Moore. No. 1,081,131; Dec. 9; Gaz. vol. 197; p. 448.
- Mining machine, Placer-. C. R. Dennison. No. 1,064,296; June 10; Gaz. vol. 191; p. 420.
- Mining machine, Placer-. C. R. Dennison. No. 1,064,297; June 10; Gaz. vol. 191; p. 421.
- Mining machine, Placer-. C. A. Desmond and W. T. Henley. No. 1,067,098; July 8; Gaz. vol. 192; p. 441.
- Mining-machines, Adjustable shoe for. C. E. Rogers. No. 1,052,517; Feb. 11; Gaz. vol. 187; p. 262.
- Mining-machines, Cutting-bit for chains of. C. N. Barton. No. 1,078,082; Nov. 11; Gaz. vol. 196; p. 320.
- Mining-sluice. P. Bouery. No. 1,064,959; June 17; Gaz. vol. 191; p. 679.
- Mining-tool. L. F. Hess. No. 1,059,463; Apr. 22; Gaz. vol. 189; p. 831.
- Mining-transit. W. A. Berger. No. 1,055,309; Mar. 11; Gaz. vol. 188; p. 256.
- Mineral-prospecting apparatus. B. Andrews. No. 1,071,199; Aug. 26; Gaz. vol. 193; p. 822.
- Mineral-separating apparatus. A. H. Smith. No. 1,056,952; Mar. 25; Gaz. vol. 188; p. 879.
- Mineral-separator. M. L. Porter. No. 1,077,297; Nov. 4; Gaz. vol. 196; p. 18.
- Mineral separator and classifier. L. B. Skinner. No. 1,054,799; Mar. 4; Gaz. vol. 188; p. 50.
- Minium, Producing. J. Muhlbauer. No. 1,059,195; Apr. 15; Gaz. vol. 189; p. 702.
- Minnow. C. Wilt. No. 1,073,199; Sept. 16; Gaz. vol. 194; p. 594.
- Minnow, Artificial. J. C. Simms. No. 1,079,891; Nov. 25; Gaz. vol. 196; p. 1008.
- Mirror and light, Adjustable. W. L. Franks. No. 1,071,725; Sept. 2; Gaz. vol. 194; p. 19.
- Mirror and picture frame, Combination. L. Blumenthal. No. 1,058,348; Apr. 8; Gaz. vol. 189; p. 373.
- Mirror and pin, Combined. H. G. Cobbin. No. 1,058,845; Apr. 15; Gaz. vol. 189; p. 581.
- Mirror, Clamp mouth-. I. G. Jirka. No. 1,079,414; Nov. 25; Gaz. vol. 196; p. 841.
- Mirror, Hand-. J. Bustanoby. No. 1,065,110; June 17; Gaz. vol. 191; p. 728.
- Mirror hanging and adjusting device. C. L. Emery. No. 1,062,642; May 27; Gaz. vol. 190; p. 823.
- Mirror, Luminous electric. F. Gernsback. No. 1,057,820; Apr. 1; Gaz. vol. 189; p. 146.
- Mirror structure, Toilet-. F. C. Winzenburg. No. 1,050,321; Jan. 14; Gaz. vol. 186; p. 374.
- Mirror-support. H. Merovich. No. 1,054,016; Feb. 25; Gaz. vol. 187; p. 855.
- Mirror-support. P. R. Seamon. No. 1,063,220; June 3; Gaz. vol. 191; p. 18.
- Mirrors and the like, Holder for. J. Sartori. No. 1,076,237; Oct. 21; Gaz. vol. 195; p. 621.
- Miter-box. G. W. Fish. No. 1,050,208; Jan. 14; Gaz. vol. 186; p. 334.
- Miter-box. W. A. Bremer. No. 1,063,113; May 27; Gaz. vol. 190; p. 977.
- Miter-box. H. L. Lomont. No. 1,069,018; July 29; Gaz. vol. 192; p. 1209.
- Miter-box. J. T. Ross. No. 1,075,730; Oct. 14; Gaz. vol. 195; p. 420.
- Miter-box and saw-guide. J. M. Smith. No. 1,054,876; Mar. 4; Gaz. vol. 188; p. 77.
- Miter-clamp, Multiple-joint. F. Wagner. No. 1,073,549; Sept. 16; Gaz. vol. 194; p. 717.
- Mitering device. C. E. Hicks and J. N. Hoffman. No. 1,062,541; May 20; Gaz. vol. 190; p. 746.
- Mitering-machine. F. Maximilian. No. 1,083,119; Dec. 30; Gaz. vol. 197; p. 1223.
- Mitt, Base-ball. B. M. Sargent. No. 1,064,859; June 17; Gaz. vol. 191; p. 646.
- Mitten, Hygienic. W. A. Morrison. No. 1,053,204; Feb. 18; Gaz. vol. 187; p. 541.
- Mixer. *See* Air and gas mixer; Amalgam-mixer; Concrete-mixer; Drink-mixer; Feed-mixer; Fuel-mixer; Gas-mixer; Gas and air mixer; Gaseous-fuel mixer; Liquid-mixer; Mortar-mixer; Powder-mixer.
- Mixer. G. S. Noble. No. 1,053,741; Feb. 18; Gaz. vol. 187; p. 727.
- Mixer. F. Q. Dutton. No. 1,054,833; Mar. 4; Gaz. vol. 188; p. 62.
- Mixer. C. Endorf, Jr. No. 1,068,994; July 29; Gaz. vol. 192; p. 1201.
- Mixer. C. H. Myers. No. 1,075,599; Oct. 14; Gaz. vol. 195; p. 376.
- Mixer and sifter, Combined. S. Toda. No. 1,062,059; May 20; Gaz. vol. 190; p. 586.
- Mixer-caps, Adjusting means for. R. E. Sard. No. 1,052,180; Feb. 4; Gaz. vol. 187; p. 117.
- Mixing and measuring apparatus. S. Wiebe. No. 1,060,804; May 6; Gaz. vol. 190; p. 82.
- Mixing apparatus. W. S. Veaco and T. J. Bennett. No. 1,075,524; Oct. 14; Gaz. vol. 195; p. 350.
- Mixing device. F. H. Hilliard. No. 1,058,431; Apr. 8; Gaz. vol. 189; p. 402.
- Mixing device. R. Benjamin. No. 1,060,419; Apr. 29; Gaz. vol. 189; p. 1198.
- Mixing device. W. G. Shelton. No. 1,082,243; Dec. 23; Gaz. vol. 197; p. 889.
- Mixing-machine. L. F. Fales. No. 1,050,726; Jan. 14; Gaz. vol. 186; p. 511.
- Mixing-machine. A. C. Griffin. No. 1,051,101; Jan. 21; Gaz. vol. 186; p. 679.
- Mixing-machine. E. Sprenger. No. 1,057,589; Apr. 1; Gaz. vol. 189; p. 65.
- Mixing-machine. C. E. Bathrick. No. 1,064,276; June 10; Gaz. vol. 191; p. 413.
- Mixing-machine. K. Rosholt. No. 1,065,275; June 17; Gaz. vol. 191; p. 781.
- Mixing-machine. C. I. Williams. No. 1,066,772; July 8; Gaz. vol. 192; p. 333.
- Mixing-machine. C. W. Levalley. No. 1,067,180; July 8; Gaz. vol. 192; p. 470.
- Mixing-machine. S. F. Hanson. No. 1,069,547; Aug. 5; Gaz. vol. 193; p. 159.
- Mixing-machine. G. M. Stedman. No. 1,074,388; Sept. 30; Gaz. vol. 194; p. 1052.
- Mixing-machine, Continuous. J. Price. No. 1,061,497; May 13; Gaz. vol. 190; p. 355.
- Mixing materials, Apparatus for. C. W. Thomas. No. 1,075,071; Oct. 7; Gaz. vol. 195; p. 167.
- Mixing or blending machine. W. L. Lawson. No. 1,077,145; Oct. 28; Gaz. vol. 195; p. 989.
- Mixing-tank. C. E. Mincer. No. 1,060,479; Apr. 29; Gaz. vol. 189; p. 1217.
- Moccasin. F. Curtin and W. C. Shields. No. 1,052,133; Feb. 4; Gaz. vol. 187; p. 100.
- Moistener. F. R. Allen. No. 1,059,336; Apr. 22; Gaz. vol. 189; p. 787.
- Moistener, Air-. J. and V. H. Stott and L. Schofield. No. 1,057,895; Apr. 1; Gaz. vol. 189; p. 171.
- Moistener and sealer, Envelop. J. Northrop. No. 1,051,751; Jan. 28; Gaz. vol. 186; p. 929.
- Moistener and sealer, Envelop. W. H. Seddon. No. 1,067,687; July 15; Gaz. vol. 192; p. 680.
- Moistener, Cigar and tobacco. G. H. Maas. No. 1,071,326; Aug. 26; Gaz. vol. 193; p. 866.
- Moistener, Envelop-. D. L. Harbison. No. 1,062,397; May 20; Gaz. vol. 190; p. 700.
- Moistener, Finger-. W. C. Vogelpohl. No. 1,056,134; Mar. 18; Gaz. vol. 188; p. 569.
- Moistener, Gummed-tape. A. H. Linaweaver. No. 1,064,504; June 10; Gaz. vol. 191; p. 492.
- Moistener, Label-. C. W. De Laney. No. 1,080,141; Dec. 2; Gaz. vol. 197; p. 78.
- Moistener, Stamp-. S. Hyams. No. 1,068,659; July 29; Gaz. vol. 192; p. 1084.
- Moistener, Stamp-. R. H. Wilmer. No. 1,076,930; Oct. 28; Gaz. vol. 195; p. 920.
- Moistening and cutting machine, Tape. J. Frohn. No. 1,058,957; Apr. 15; Gaz. vol. 189; p. 620.
- Moistening and cutting machine, Tape. J. Frohn. No. 1,058,958; Apr. 15; Gaz. vol. 189; p. 621.
- Moistening device. C. J. Ward. No. 1,060,518; Apr. 29; Gaz. vol. 189; p. 1230.
- Moistening device. J. W. Kinney. No. 1,076,376; Oct. 21; Gaz. vol. 195; p. 670.
- Moistening device, Envelop-. E. D. Pettibone. No. 1,060,282; Apr. 29; Gaz. vol. 189; p. 1148.
- Moistening device, Envelop-. T. Moczydlarz. No. 1,077,201; Oct. 28; Gaz. vol. 195; p. 1008.
- Moistening-machine. C. H. Crowell. No. 1,081,582; Dec. 16; Gaz. vol. 197; p. 636.
- Moistening machine, Label-. J. F. Hancock and C. E. Fisk. No. 1,081,906; Dec. 16; Gaz. vol. 197; p. 744.
- Moistening machine, Work-. C. P. Stanbon. No. 1,057,099; Mar. 25; Gaz. vol. 188; p. 930.
- Moisture-extracting apparatus. J. S. Thurman and L. I. Lockwood. No. 1,054,056; Feb. 25; Gaz. vol. 187; p. 868.
- Moisture in grain, &c., Device for indicating. A. Zeleny. No. 1,059,099; Apr. 15; Gaz. vol. 189; p. 670.
- Moisture-proof construction. W. R. Clayton. No. 1,072,310; Sept. 2; Gaz. vol. 194; p. 216.

Alphabetical list of inventions—Continued.

- Mold: See Brick and tile mold; Building-block mold; Cement-block mold; Cement-post mold; Cement-wall mold; Column and ceiling mold; Concrete-mold; Concrete-block mold; Concrete-post mold; Concrete-shingle mold; Concrete-wall mold; Confectionery-mold; Core-mold; Culvert-mold; Dental plate-mold; Electrotyping-mold; Fence-post mold; Ingot-mold; Linotype-mold; Permanent mold; Picture-mold; Sectional mold; Side-walk-construction mold; Step-mold; Tombstone-mold; Vulcanizing-mold; Wall-mold.
- Mold. P. V. Korneffel and O. E. Hiltt. No. 1,050,145; Jan. 14; Gaz. vol. 186; p. 314.
- Mold. G. L. Hibbard. No. 1,051,329; Jan. 21; Gaz. vol. 186; p. 754.
- Mold. C. W. McDaniel. No. 1,053,420; Feb. 18; Gaz. vol. 187; p. 616.
- Mold. L. A. Brown. No. 1,059,974; Apr. 29; Gaz. vol. 189; p. 1042.
- Mold. F. H. Forbis. No. 1,067,420; July 15; Gaz. vol. 192; p. 590.
- Mold. W. F. Winn. No. 1,069,509; Aug. 5; Gaz. vol. 193; p. 146.
- Mold. A. Schlicht. No. 1,074,471; Sept. 30; Gaz. vol. 194; p. 1080.
- Mold. F. P. Martin. No. 1,074,885; Oct. 7; Gaz. vol. 195; p. 100.
- Mold. L. Levine. No. 1,076,681; Oct. 28; Gaz. vol. 195; p. 831.
- Mold. S. E. Shafer. No. 1,080,850; Dec. 9; Gaz. vol. 197; p. 357.
- Mold and liner. J. F. Hoxsey. No. 1,079,049; Nov. 18; Gaz. vol. 196; p. 688.
- Mold construction. O. V. Kean. No. 1,056,999; Mar. 25; Gaz. vol. 188; p. 895.
- Mold-filling machine. S. C. Bond. No. 1,059,267; Apr. 15; Gaz. vol. 189; p. 726.
- Mold for casting plastic monuments. J. P. Worthington. No. 1,065,421; June 24; Gaz. vol. 191; p. 870.
- Mold for hollow articles. J. W. L. Kerr and C. V. Neeson. No. 1,075,290; Oct. 7; Gaz. vol. 195; p. 244.
- Mold-former. J. C. Reed. No. 1,078,108; Nov. 11; Gaz. vol. 196; p. 329.
- Mold forming and casting apparatus. D. Baker. No. 1,049,644; Jan. 7; Gaz. vol. 186; p. 113.
- Mold-forming mechanism. G. A. Breault. No. 1,065,774; June 24; Gaz. vol. 191; p. 990.
- Mold-making machine. C. F. Knowlton and F. F. Elliot. No. 1,051,897; Feb. 4; Gaz. vol. 187; p. 17.
- Mold-making machine. H. R. Atwater. No. 1,061,440; May 13; Gaz. vol. 190; p. 335.
- Mold-making machine. H. R. Atwater. No. 1,067,895; July 22; Gaz. vol. 192; p. 783.
- Mold-making machine. H. R. Atwater. No. 1,070,316; Aug. 12; Gaz. vol. 193; p. 452.
- Mold-ramming apparatus. H. P. Macdonald. No. 1,059,623; Apr. 22; Gaz. vol. 189; p. 884.
- Mold-sanding machine. Brick. W. E. Hilton. No. 1,053,993; Feb. 25; Gaz. vol. 187; p. 848.
- Mold-table. E. H. Mumford. No. 1,066,835; July 8; Gaz. vol. 192; p. 353.
- Molds, Making. A. C. Mott, Jr. No. 1,074,006; Sept. 23; Gaz. vol. 194; p. 897.
- Molds, Means for holding inserts in place in. J. O. Harris. No. 1,079,550; Nov. 25; Gaz. vol. 196; p. 888.
- Molds, Pattern and chaplet therefor for producing. J. A. Field. No. 1,081,376; Dec. 16; Gaz. vol. 197; p. 570.
- Molds, Preparing. W. R. Conard. No. 1,053,949; Feb. 18; Gaz. vol. 187; p. 795.
- Moldboard. W. A. Martin and R. J. Coleman. No. 1,058,248; Apr. 8; Gaz. vol. 189; p. 337.
- Molded article and making the same. A. H. Krieger. No. 1,076,126; Oct. 21; Gaz. vol. 195; p. 584.
- Molder's flask. F. J. Becker. No. 1,072,811; Sept. 9; Gaz. vol. 194; p. 421.
- Molders' flasks, Equalizing-support for. J. T. Ramsden. No. 1,050,293; Jan. 14; Gaz. vol. 186; p. 364.
- Molders' flasks, Leveling-support for. W. Lewis. No. 1,050,281; Jan. 14; Gaz. vol. 186; p. 360.
- Molder's stamping-tool. G. Holzapfel. No. 1,052,482; Feb. 11; Gaz. vol. 187; p. 251.
- Molders' use, Parting compound for. A. E. Durkee. No. 1,073,745; Sept. 23; Gaz. vol. 194; p. 809.
- Molding. W. Goodrow. No. 1,076,975; Oct. 28; Gaz. vol. 195; p. 936.
- Molding apparatus. J. E. Wilcoxon. No. 1,059,249; Apr. 15; Gaz. vol. 189; p. 720.
- Molding apparatus. J. E. Wilcoxon. No. 1,059,250; Apr. 15; Gaz. vol. 189; p. 721.
- Molding apparatus. J. E. Wilcoxon. No. 1,059,251; Apr. 15; Gaz. vol. 189; p. 721.
- Molding apparatus. D. W. Mesick. No. 1,068,259; July 22; Gaz. vol. 192; p. 908.
- Molding apparatus. A. W. Gregg. No. 1,077,273; Nov. 4; Gaz. vol. 196; p. 10.
- Molding compound. W. R. Conard. No. 1,053,787; Feb. 18; Gaz. vol. 187; p. 742.
- Molding compound. E. D. Gleason. No. 1,077,958; Nov. 4; Gaz. vol. 196; p. 246.
- Molding device. S. E. Wilson. No. 1,082,382; Dec. 23; Gaz. vol. 197; p. 939.
- Molding device, Matrix-. A. E. Markwell. No. 1,072,137; Sept. 2; Gaz. vol. 194; p. 160.
- Molding-die. E. L. Bullion. No. 1,057,618; Apr. 1; Gaz. vol. 189; p. 76.
- Molding-flask. A. C. Mott, Jr. No. 1,081,251; Dec. 9; Gaz. vol. 197; p. 488.
- Molding-jacket. C. O. Wood. No. 1,077,779; Nov. 4; Gaz. vol. 196; p. 185.
- Molding-machine. E. W. Rider. No. 1,051,010; Jan. 21; Gaz. vol. 186; p. 648.
- Molding-machine. A. D. Ineson and P. C. Smith. No. 1,051,999; Feb. 4; Gaz. vol. 187; p. 52.
- Molding-machine. H. Tscherning. No. 1,053,681; Feb. 18; Gaz. vol. 187; p. 705.
- Molding-machine. C. F. Hopkins. No. 1,054,294; Feb. 25; Gaz. vol. 187; p. 948.
- Molding-machine. W. Lewis. No. 1,055,336; Mar. 11; Gaz. vol. 188; p. 266.
- Molding-machine. H. A. Smith. No. 1,055,424; Mar. 11; Gaz. vol. 188; p. 296.
- Molding-machine. F. Longstaff and L. E. Trembley. No. 1,055,479; Mar. 11; Gaz. vol. 188; p. 314.
- Molding-machine. R. F. Marsh. No. 1,056,808; Mar. 25; Gaz. vol. 188; p. 829.
- Molding-machine. F. W. Taylor. No. 1,057,594; Apr. 1; Gaz. vol. 189; p. 67.
- Molding-machine. J. G. Ellendt. No. 1,058,227; Apr. 8; Gaz. vol. 189; p. 330.
- Molding-machine. F. O. Farwell. No. 1,059,448; Apr. 22; Gaz. vol. 189; p. 826.
- Molding-machine. J. G. Ellendt. No. 1,064,718; June 17; Gaz. vol. 191; p. 600.
- Molding-machine. G. A. Harder. No. 1,065,126; June 17; Gaz. vol. 191; p. 733.
- Molding-machine. W. Lewis. No. 1,066,825; July 8; Gaz. vol. 192; p. 350.
- Molding-machine. O. W. Johnson. No. 1,068,662; July 29; Gaz. vol. 192; p. 1085.
- Molding-machine. C. Bouillon. No. 1,069,382; Aug. 5; Gaz. vol. 193; p. 104.
- Molding-machine. C. Bouillon. No. 1,069,383; Aug. 5; Gaz. vol. 193; p. 104.
- Molding-machine. W. Boyd. No. 1,069,597; Aug. 5; Gaz. vol. 193; p. 175.
- Molding-machine. J. Allinson. No. 1,070,223; Aug. 12; Gaz. vol. 193; p. 420.
- Molding-machine. G. F. Stoney and G. L. Campbell. No. 1,070,749; Aug. 19; Gaz. vol. 193; p. 642.
- Molding-machine. W. Lewis. No. 1,071,064; Aug. 26; Gaz. vol. 193; p. 779.
- Molding-machine. R. J. Schwab. No. 1,071,098; Aug. 26; Gaz. vol. 193; p. 790.
- Molding-machine. W. W. Doolittle. No. 1,071,402; Aug. 26; Gaz. vol. 193; p. 892.
- Molding-machine. H. H. Hoose. No. 1,072,229; Sept. 2; Gaz. vol. 194; p. 190.
- Molding-machine. W. Lewis and J. T. Ramsden. No. 1,072,395; Sept. 2; Gaz. vol. 194; p. 246.
- Molding-machine. J. H. Burpee. No. 1,073,209; Sept. 16; Gaz. vol. 194; p. 599.
- Molding-machine. J. H. Burpee. No. 1,073,210; Sept. 16; Gaz. vol. 194; p. 599.
- Molding-machine. A. C. Mott. No. 1,074,518; Sept. 30; Gaz. vol. 194; p. 1093.
- Molding-machine. J. Gow. No. 1,077,930; Nov. 4; Gaz. vol. 196; p. 236.
- Molding-machine. J. A. Field. No. 1,079,482; Nov. 25; Gaz. vol. 196; p. 865.
- Molding-machine. I. M. Newman. No. 1,081,399; Dec. 16; Gaz. vol. 197; p. 577.
- Molding-machine and steam-table. Combined. H. A. W. Wood. No. 1,060,875; May 6; Gaz. vol. 190; p. 108.
- Molding-machine, Stripping-plate. H. E. Kimball. No. 1,067,820; July 22; Gaz. vol. 192; p. 758.
- Molding metal in indeterminate lengths. Machine for. G. W. Dennis. No. 1,077,458; Nov. 4; Gaz. vol. 196; p. 77.
- Mole-trap. T. H. Scheffer. No. 1,049,406; Jan. 7; Gaz. vol. 186; p. 31.
- Mole-trap. H. H. Beers. No. 1,079,827; Nov. 25; Gaz. vol. 196; p. 986.
- Mole-trap. J. C. Barker. No. 1,081,652; Dec. 16; Gaz. vol. 197; p. 659.
- Molten bath and means for coating iron articles therewith. H. J. Lohmann. No. 1,075,583; Oct. 14; Gaz. vol. 195; p. 370.
- Monkey-wrench. J. Krahulec. No. 1,056,693; Mar. 18; Gaz. vol. 188; p. 759.
- Monkey-wrench. T. C. Doredant. No. 1,064,059; June 10; Gaz. vol. 191; p. 338.
- Monochlorhydrocarbons, Acetylation of. W. E. Masland. No. 1,077,988; Nov. 11; Gaz. vol. 196; p. 288.
- Monolithic cementitious structure. A. G. Higgins. No. 1,052,918; Feb. 11; Gaz. vol. 187; p. 400.
- Monoliths, Manufacturing artificial. A. Jensen. No. 1,050,946; Jan. 21; Gaz. vol. 186; p. 625.
- Monoplane. W. B. Seekins. No. 1,058,390; Apr. 8; Gaz. vol. 189; p. 387.
- Monorail system. W. D. Valentine. No. 1,049,782; Jan. 7; Gaz. vol. 186; p. 158.

Alphabetical list of inventions—Continued.

- Monorailway system. T. C. Spelling. No. 1,058,481; Apr. 8; Gaz. vol. 189; p. 417.
- Monovalent phenols from mono-chloro-substitution products of aromatic hydrocarbons, Manufacture of. K. H. Meyer and F. Bergius. No. 1,062,351; May 20; Gaz. vol. 190; p. 685.
- Monument. C. Brown. No. 1,060,970; May 6; Gaz. vol. 190; p. 142.
- Mop. E. J. Duncan. No. 1,059,125; Apr. 15; Gaz. vol. 189; p. 679.
- Mop. P. G. Davis. No. 1,059,528; Apr. 22; Gaz. vol. 189; p. 853.
- Mop. T. W. Leslie. No. 1,064,502; June 10; Gaz. vol. 191; p. 491.
- Mop. R. N. Fickett, Jr. No. 1,064,631; June 10; Gaz. vol. 191; p. 535.
- Mop. J. M. Lockhart. No. 1,073,612; Sept. 23; Gaz. vol. 194; p. 760.
- Mop. J. F. Welch. No. 1,077,498; Nov. 4; Gaz. vol. 196; p. 92.
- Mop. H. L. Feasel. No. 1,081,225; Dec. 9; Gaz. vol. 197; p. 479.
- Mop. C. A. Kelly. No. 1,081,450; Dec. 16; Gaz. vol. 197; p. 594.
- Mop, Dust-. S. B. McHenry. No. 1,080,711; Dec. 9; Gaz. vol. 197; p. 306.
- Mop, Fountain-. I. L. Lewis. No. 1,054,696; Mar. 4; Gaz. vol. 188; p. 14.
- Mop-head. G. W. Kemp. No. 1,065,140; June 17; Gaz. vol. 191; p. 737.
- Mop-head. C. T. Kubick. No. 1,069,960; Aug. 12; Gaz. vol. 193; p. 328.
- Mop head and wringer, Combined. M. B. McCoy. No. 1,062,984; May 27; Gaz. vol. 190; p. 935.
- Mop-holder. E. Nielsen. No. 1,053,210; Feb. 18; Gaz. vol. 187; p. 543.
- Mop-holder. D. B. Wing. No. 1,056,963; Mar. 25; Gaz. vol. 188; p. 883.
- Mop-holder. A. Waymire. No. 1,076,800; Oct. 28; Gaz. vol. 195; p. 873.
- Mop-holder and rake, Combination. H. H. Hinkle. No. 1,075,568; Oct. 14; Gaz. vol. 195; p. 365.
- Mop-press. R. B. Gilchrist. No. 1,082,864; Dec. 30; Gaz. vol. 197; p. 1137.
- Mop-stick. J. J. Beam. No. 1,073,464; Sept. 16; Gaz. vol. 194; p. 689.
- Mop, Vacuum-. J. W. Fulper. No. 1,066,201; July 1; Gaz. vol. 192; p. 106.
- Mop-wringer. S. C. Lawlor. No. 1,056,916; Mar. 25; Gaz. vol. 188; p. 866.
- Mop-wringer. W. A. Cromwell. No. 1,060,821; May 6; Gaz. vol. 190; p. 88.
- Mop-wringer. F. B. Wilde. No. 1,064,802; June 17; Gaz. vol. 191; p. 627.
- Mop-wringer. G. F. Dana. No. 1,071,144; Aug. 26; Gaz. vol. 193; p. 805.
- Mop-wringer. L. C. McNeal. No. 1,076,306; Oct. 21; Gaz. vol. 195; p. 645.
- Mop-wringer. J. H. and J. B. Taylor. No. 1,079,454; Nov. 25; Gaz. vol. 196; p. 855.
- Mop-wringer. S. C. Lawlor. No. 1,082,465; Dec. 23; Gaz. vol. 197; p. 964.
- Mordants containing antimony and glycolic acid, Making auxiliary. O. Liebknecht and F. Blumenthal. No. 1,059,741; Apr. 22; Gaz. vol. 189; p. 922.
- Mordants containing titanium and glycolic acid, Making auxiliary. O. Liebknecht and F. Blumenthal. No. 1,059,740; Apr. 22; Gaz. vol. 189; p. 922.
- Mortar from bricks, Removing adhering. A. R. Christman. No. 1,082,307; Dec. 23; Gaz. vol. 197; p. 914.
- Mortar, Manufacturing a waterproof. A. Markus. No. 1,082,035; Dec. 23; Gaz. vol. 197; p. 818.
- Mortar-mixer. G. Carlson. No. 1,060,319; Apr. 29; Gaz. vol. 189; p. 1161.
- Mortise-lock, Tubular. J. Stauffer. No. 1,055,364; Mar. 11; Gaz. vol. 188; p. 276.
- Mortising-machine. O. C. Wysong. No. 1,053,339; Feb. 18; Gaz. vol. 187; p. 588.
- Mortising-machine. N. L. Butts. No. 1,062,583; May 27; Gaz. vol. 190; p. 802.
- Mortising-machine. A. Larson and F. G. Hogland. No. 1,067,928; July 22; Gaz. vol. 192; p. 794.
- Mortising-tool. E. Poortinga. No. 1,079,719; Nov. 25; Gaz. vol. 196; p. 947.
- Mortising tool, Hinge-seat. A. Wassberg. No. 1,080,310; Dec. 2; Gaz. vol. 197; p. 137.
- Mothproof bag and garment-supporting device therefor. L. Geschickter. No. 1,082,858; Dec. 30; Gaz. vol. 197; p. 1136.
- Mothproof bag, End-opening. L. Geschickter. No. 1,082,861; Dec. 30; Gaz. vol. 197; p. 1137.
- Mothproof bags, &c., Garment-hanger for. L. Geschickter. No. 1,082,860; Dec. 30; Gaz. vol. 197; p. 1136.
- Mothproof bags, Side opening for. L. Geschickter. No. 1,082,859; Dec. 30; Gaz. vol. 197; p. 1136.
- Mothproof receptacle. J. N. Courtney. No. 1,064,446; June 10; Gaz. vol. 191; p. 473.
- Mothproof rug-bag. L. Geschickter. No. 1,082,862; Dec. 30; Gaz. vol. 197; p. 1137.
- Mothproof rug-receptacle. L. Geschickter. No. 1,082,863; Dec. 30; Gaz. vol. 197; p. 1137.
- Motion and sound reproductions, Combination apparatus for synchronizing. E. H. Amet. No. 1,065,576; June 24; Gaz. vol. 191; p. 923.
- Motion, Apparatus for determination of periodic. E. A. Sperry. No. 1,071,815; Sept. 2; Gaz. vol. 194; p. 51.
- Motion-converting mechanism. M. C. Nixon. No. 1,050,226; Jan. 14; Gaz. vol. 186; p. 341.
- Motion, Crank-driven piston-stroke. P. F. McCormack. No. 1,065,955; July 1; Gaz. vol. 192; p. 18.
- Motion, Means for converting reciprocatory into rotary. M. B. Mills. No. 1,054,594; Feb. 25; Gaz. vol. 187; p. 1052.
- Motion, Means for converting rotary into reciprocating. M. A. Droitcour. No. 1,073,104; Sept. 16; Gaz. vol. 194; p. 562.
- Motion, Means for transmitting rotary. A. D. Jones. No. 1,071,924; Sept. 2; Gaz. vol. 194; p. 88.
- Motion, Mechanism for converting reciprocating into rotary. R. W. J. Smith. No. 1,063,839; June 3; Gaz. vol. 191; p. 230.
- Motion of spring-driven mechanism, Means for maintaining uniformity of. H. S. Decastiau. No. 1,063,781; June 3; Gaz. vol. 191; p. 211.
- Motion-transmitting device. K. Keller. No. 1,073,764; Sept. 23; Gaz. vol. 194; p. 816.
- Motion-transmitting means. K. Steinbecker. No. 1,061,700; May 13; Gaz. vol. 190; p. 428.
- Motive fluid, Apparatus for generating. E. G. Hatch. No. 1,049,580; Jan. 7; Gaz. vol. 186; p. 91.
- Motive power, Supplemental control for. C. A. Willard. No. 1,078,232; Nov. 11; Gaz. vol. 196; p. 371.
- Motor. See Air-motor; Air or water motor; Alternating-current motor; Car-motor; Commutator-motor; Current-motor; Current induction-motor; Cycle-motor; Cycle explosion-motor; Door and step motor; Door-operating motor; Electric motor; Electromagnetic motor; Electromagnetic reciprocating motor; Explosion-motor; Fan-motor; Fan spring-motor; Fluid-motor; Fluid-pressure motor; Foot-power motor; Four-phase single-piston valveless motor; Gravity-motor; Hydraulic motor; Hydro-explosive motor; Hydrocarbon-motor; Induction-motor; Internal-combustion motor; Pneumatic motor; Pressure-motor; Railway track-motor; Rotary motor; Rotary fluid-pressure motor; Rotary internal-combustion motor; Rotary valveless motor; Sand-motor; Spring-motor; Thermal motor; Tide-motor; Two-cycle motor; Universal motor; Vehicle-motor; Water-motor; Wave-motor; Wave and current motor; Wave-motion motor; Weight-motor; Wind-motor.
- Motor. H. Stone and G. W. Scott. No. 1,052,763; Feb. 11; Gaz. vol. 187; p. 345.
- Motor. W. S. Elliott. No. 1,052,905; Feb. 11; Gaz. vol. 187; p. 395.
- Motor. J. Bednarek. No. 1,057,520; Apr. 1; Gaz. vol. 189; p. 42.
- Motor. W. S. Elliott. No. 1,060,068; Apr. 29; Gaz. vol. 189; p. 1073.
- Motor. W. S. Elliott. No. 1,068,421; July 29; Gaz. vol. 192; p. 1002.
- Motor. C. McWolfe. No. 1,074,059; Sept. 23; Gaz. vol. 194; p. 913.
- Motor. J. Vinson. No. 1,078,074; Nov. 11; Gaz. vol. 196; p. 318.
- Motor. I. Hurley. No. 1,081,044; Dec. 9; Gaz. vol. 197; p. 420.
- Motor. S. E. Carlin. No. 1,082,302; Dec. 23; Gaz. vol. 197; p. 912.
- Motor-accelerating device. E. L. Gale, Sr. No. 1,064,205; June 10; Gaz. vol. 191; p. 390.
- Motor accelerating device, Alternating-current. W. D. Lutz. No. 1,072,132; Sept. 2; Gaz. vol. 194; p. 159.
- Motor agricultural machines, Means for electrically driving. W. Wortman. No. 1,066,774; July 8; Gaz. vol. 192; p. 334.
- Motor and air-pump, Combined. J. C. Henderson. No. 1,053,991; Feb. 25; Gaz. vol. 187; p. 847.
- Motor and transmission supporting frame for motor-vehicles. W. F. Pfander. No. 1,057,498; Apr. 1; Gaz. vol. 189; p. 35.
- Motor apparatus for operating doors and the like. A. Gottschalk. No. 1,065,324; June 17; Gaz. vol. 191; p. 798.
- Motor apparatus, Spring-. H. L. Pitman. No. 1,052,689; Feb. 11; Gaz. vol. 187; p. 320.
- Motor attachment. G. K. Clark. No. 1,074,695; Oct. 7; Gaz. vol. 195; p. 39.
- Motor-carriages, Condensing apparatus for steam. C. C. Worthington. No. 1,072,894; Sept. 9; Gaz. vol. 194; p. 452.
- Motor-cars and other vehicles, Wheel for. W. T. Smith. No. 1,079,995; Dec. 2; Gaz. vol. 197; p. 26.
- Motor-cleaner. A. F. Wagner. No. 1,067,891; July 22; Gaz. vol. 192; p. 782.
- Motor control. E. L. Gale, Sr. No. 1,069,060; July 29; Gaz. vol. 192; p. 1223.
- Motor control. M. A. Whiting. No. 1,071,840; Sept. 2; Gaz. vol. 194; p. 59.

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- Motor control. Alternating-current. D. Larson. No. 1,066,739; July 8; Gaz. vol. 192; p. 323.
- Motor control. Alternating-current. V. A. Fynn. No. 1,072,445; Sept. 9; Gaz. vol. 194; p. 293.
- Motor control. Alternating-current. D. Larson. No. 1,081,681; Dec. 16; Gaz. vol. 197; p. 668.
- Motor control. Electric. P. N. Jones. No. 1,061,299; May 13; Gaz. vol. 190; p. 287.
- Motor-control system. E. W. Stull. No. 1,050,497; Jan. 14; Gaz. vol. 186; p. 438.
- Motor-control system. J. H. Sandidge. No. 1,054,144; Feb. 25; Gaz. vol. 187; p. 898.
- Motor-control system. J. H. Hall. No. 1,060,082; Apr. 29; Gaz. vol. 189; p. 1078.
- Motor-control system. D. L. Lindquist. No. 1,066,741; July 8; Gaz. vol. 192; p. 324.
- Motor-control system. R. H. McLain. No. 1,071,770; Sept. 2; Gaz. vol. 194; p. 35.
- Motor-control system. W. Naumann. No. 1,071,778; Sept. 2; Gaz. vol. 194; p. 38.
- Motor-control system. G. T. Eagar. No. 1,072,440; Sept. 9; Gaz. vol. 194; p. 291.
- Motor-control system. G. B. Schley. No. 1,072,656; Sept. 9; Gaz. vol. 194; p. 365.
- Motor-control system. W. C. Yates. No. 1,077,662; Nov. 4; Gaz. vol. 196; p. 145.
- Motor-control system. C. Krämer. No. 1,077,725; Nov. 4; Gaz. vol. 196; p. 165.
- Motor-control system. E. J. Murphy and J. E. Brobst. No. 1,077,737; Nov. 4; Gaz. vol. 196; p. 169.
- Motor-control system. F. E. Case. No. 1,077,802; Nov. 4; Gaz. vol. 196; p. 192.
- Motor-control system. J. Eaton. No. 1,079,480; Nov. 25; Gaz. vol. 196; p. 864.
- Motor-control system. C. S. Dauler. No. 1,080,140; Dec. 2; Gaz. vol. 197; p. 78.
- Motor-control system. J. H. Hall. No. 1,080,146; Dec. 2; Gaz. vol. 197; p. 80.
- Motor-control system. Electric. H. D. James. No. 1,049,367; Jan. 7; Gaz. vol. 186; p. 17.
- Motor-control system. Electric. H. A. Lewis. No. 1,049,377; Jan. 7; Gaz. vol. 186; p. 20.
- Motor-control system. Electric. G. Baehr. No. 1,056,879; Mar. 25; Gaz. vol. 188; p. 853.
- Motor-control system. Electric. J. C. Reed. No. 1,060,940; May 6; Gaz. vol. 190; p. 130.
- Motor-control system. Electric. J. C. Reed. No. 1,060,941; May 6; Gaz. vol. 190; p. 131.
- Motor-control system. Electric. J. H. Hall. No. 1,062,708; May 27; Gaz. vol. 190; p. 844.
- Motor-control system. Electric. C. H. Norwood. No. 1,063,377; June 3; Gaz. vol. 191; p. 70.
- Motor-control system. Electric. T. Varney. No. 1,063,400; June 3; Gaz. vol. 191; p. 79.
- Motor-control system. Electric. C. Renshaw. No. 1,069,472; Aug. 5; Gaz. vol. 193; p. 135.
- Motor-control system. Electric. L. H. Thullen. No. 1,070,638; Aug. 19; Gaz. vol. 193; p. 603.
- Motor-control system. Electric. J. H. Klinck. No. 1,074,874; Oct. 7; Gaz. vol. 195; p. 97.
- Motor-control system. Induction. A. Scherbius. No. 1,059,771; Apr. 22; Gaz. vol. 189; p. 932.
- Motor-control system. Induction. G. H. Whittingham. No. 1,070,648; Aug. 19; Gaz. vol. 193; p. 607.
- Motor-control system. Repulsion. C. B. Hoffmann. No. 1,078,439; Nov. 11; Gaz. vol. 196; p. 446.
- Motor-controller. C. T. Henderson. No. 1,057,962; Apr. 1; Gaz. vol. 189; p. 193.
- Motor-controller. J. H. Hall. No. 1,060,252; Apr. 29; Gaz. vol. 189; p. 1136.
- Motor-controller. E. B. H. Tower, Jr. No. 1,060,299; Apr. 29; Gaz. vol. 189; p. 1154.
- Motor-controller. C. T. Henderson. No. 1,062,589; May 27; Gaz. vol. 190; p. 804.
- Motor-controller. C. T. Henderson. No. 1,062,590; May 27; Gaz. vol. 190; p. 805.
- Motor-controller. F. L. Stone. No. 1,064,025; June 10; Gaz. vol. 191; p. 327.
- Motor-controller. T. E. Barnum. No. 1,064,809; June 17; Gaz. vol. 191; p. 629.
- Motor-controller. A. J. Horton. No. 1,066,616; July 8; Gaz. vol. 192; p. 278.
- Motor-controller. T. E. Barnum. No. 1,079,386; Nov. 25; Gaz. vol. 196; p. 832.
- Motor controller. Electric. J. Desmond. No. 1,049,460; Jan. 7; Gaz. vol. 186; p. 48.
- Motor controller. Electric. C. T. Henderson. No. 1,062,096; May 20; Gaz. vol. 190; p. 599.
- Motor controller. Electric. R. F. Baerlocher. No. 1,074,925; Oct. 7; Gaz. vol. 195; p. 115.
- Motor controller. Electric. H. A. Steen. No. 1,075,445; Oct. 14; Gaz. vol. 195; p. 324.
- Motor controller. Electric. H. F. Stratton. No. 1,080,126; Dec. 2; Gaz. vol. 197; p. 73.
- Motor controller for elevators. Electric. J. C. Smith. No. 1,055,292; Mar. 4; Gaz. vol. 188; p. 212.
- Motor controller-regulator. Electric. J. Y. Porter. No. 1,053,642; Feb. 18; Gaz. vol. 187; p. 692.
- Motor-controlling apparatus. D. L. Lindquist. No. 1,050,554; Jan. 14; Gaz. vol. 186; p. 457.
- Motor-controlling means. H. W. Leonard. No. 1,074,961; Oct. 7; Gaz. vol. 195; p. 126.
- Motor-controlling means. Induction. N. Pensabene. No. 1,071,336; Aug. 26; Gaz. vol. 193; p. 869.
- Motor-controlling mechanism. J. D. Ihlder. No. 1,064,224; June 10; Gaz. vol. 191; p. 396.
- Motor-controlling system. E. L. Gale, Sr. No. 1,069,061; July 29; Gaz. vol. 192; p. 1223.
- Motor-controlling system. E. R. Carichoff. No. 1,072,083; Sept. 2; Gaz. vol. 194; p. 141.
- Motor. Convertible cycle. L. S. Nash. No. 1,077,363; Nov. 4; Gaz. vol. 196; p. 42.
- Motor-cycle seat. G. A. Hartman. No. 1,082,423; Dec. 23; Gaz. vol. 197; p. 951.
- Motor-cycle spring front fork. C. G. Stephenson. No. 1,082,775; Dec. 30; Gaz. vol. 197; p. 1108.
- Motor drive. Electric. C. C. Batchelder. No. 1,075,683; Oct. 14; Gaz. vol. 195; p. 404.
- Motor-driven mechanism. Automatic controller for explosion. C. H. Taylor. No. 1,068,945; July 29; Gaz. vol. 192; p. 1186.
- Motor-driven table. L. L. Goodrich, Jr. No. 1,071,004; Aug. 19; Gaz. vol. 193; p. 723.
- Motor-driving unit. Electric. M. Taigman. No. 1,080,388; Dec. 2; Gaz. vol. 197; p. 167.
- Motor-governor. W. N. Dennison. No. 1,060,827; May 6; Gaz. vol. 190; p. 90.
- Motor mechanism. W. C. Whitney. No. 1,063,168; May 27; Gaz. vol. 190; p. 996.
- Motor multiple control. Electric. R. Richter. No. 1,080,587; Dec. 9; Gaz. vol. 197; p. 264.
- Motor multiple control. Electric. R. Richter. No. 1,080,588; Dec. 9; Gaz. vol. 197; p. 265.
- Motor-operated machines. Brake for electric. M. Taigman. No. 1,080,387; Dec. 2; Gaz. vol. 197; p. 167.
- Motor or engine. H. A. Ogle. No. 1,078,305; Nov. 11; Gaz. vol. 196; p. 399.
- Motor or other vehicles in case of accident. Means for identifying. O. A. Weissenborn. No. 1,071,540; Aug. 26; Gaz. vol. 193; p. 936.
- Motor or the like starting device. Electric. W. Griebel. No. 1,081,827; Dec. 16; Gaz. vol. 197; p. 720.
- Motor regulation and control. Electric. L. H. Thullen and F. W. Willey. No. 1,074,392; Sept. 30; Gaz. vol. 194; p. 1054.
- Motor-starter. C. Jewell. (Reissue.) No. 13,573; June 10; Gaz. vol. 191; p. 559.
- Motor-starter. C. D. Knight. No. 1,075,579; Oct. 14; Gaz. vol. 195; p. 369.
- Motor starting and protective device. G. T. Eagar and C. H. Williams. No. 1,060,895; May 6; Gaz. vol. 190; p. 115.
- Motor-starting apparatus. Internal-combustion. W. Closson and J. Miessen. No. 1,082,149; Dec. 23; Gaz. vol. 197; p. 855.
- Motor-starting device. Alternating-current. L. A. Hawkins. No. 1,055,907; Mar. 11; Gaz. vol. 188; p. 456.
- Motor-starting device. Automatic. J. P. Smithers. No. 1,072,187; Sept. 2; Gaz. vol. 194; p. 177.
- Motor-starting device. Electric. P. Dunning. No. 1,077,817; Nov. 4; Gaz. vol. 196; p. 197.
- Motor-starting device. Explosive. H. Hess. No. 1,068,129; July 22; Gaz. vol. 192; p. 802.
- Motor-starting primer. G. W. Brown. No. 1,066,248; July 1; Gaz. vol. 192; p. 123.
- Motor-stopping device. A. F. W. Schlueter. No. 1,074,385; Sept. 30; Gaz. vol. 194; p. 1051.
- Motor-stopping device. Automatic. J. L. Blockburger. No. 1,079,324; Nov. 25; Gaz. vol. 196; p. 811.
- Motor suspension and drive. H. H. Kennedy. No. 1,063,040; May 27; Gaz. vol. 190; p. 953.
- Motor-wheel clutch-drive. L. Brandenburg. No. 1,064,047; June 10; Gaz. vol. 191; p. 334.
- Motor-wheel. Electric. K. Knudsen. No. 1,079,917; Nov. 25; Gaz. vol. 196; p. 1018.
- Motors and similar devices. Controller for electric. H. W. Leonard. No. 1,077,613; Nov. 4; Gaz. vol. 196; p. 128.
- Motors and similar devices. Controller for electric. H. W. Leonard. No. 1,077,614; Nov. 4; Gaz. vol. 196; p. 128.
- Motors and similar devices. Controller for electric. H. W. Leonard. No. 1,077,615; Nov. 4; Gaz. vol. 196; p. 129.
- Motors. Driving of single-phase. K. Schnetzler. No. 1,059,772; Apr. 22; Gaz. vol. 189; p. 933.
- Motors. Electric ignition system for internal-combustion. G. Honold and O. Heins. No. 1,066,904; July 8; Gaz. vol. 192; p. 377.
- Motors. Electrical regulation for electric. B. McInnerney. No. 1,066,513; July 8; Gaz. vol. 192; p. 241.
- Motors. Injecting device for Diesel. E. Bader. No. 1,060,151; Apr. 29; Gaz. vol. 189; p. 1101.
- Motors. Machine for winding. L. A. Alexander. No. 1,053,962; Feb. 25; Gaz. vol. 187; p. 837.
- Motors. Mount for electric. G. Dinkel. No. 1,059,930; Apr. 22; Gaz. vol. 189; p. 983.
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- Motors, Primer for internal-combustion. G. W. Brown. No. 1,068,310; July 22; Gaz. vol. 192; p. 926.
- Motors, Producing working fluids for. O. Kraus. No. 1,068,348; July 22; Gaz. vol. 192; p. 939.
- Motors, Protecting electric. G. A. Burnham. No. 1,063,179; June 3; Gaz. vol. 191; p. 3.
- Motors, Regulating and controlling the valve-motion in explosive-. G. Mees. No. 1,064,514; June 10; Gaz. vol. 191; p. 495.
- Motors, Secondary member of induction-. G. H. Garcelon. No. 1,068,757; July 29; Gaz. vol. 192; p. 1118.
- Motors, Self-acting resistance for electric. M. Kallmann. No. 1,052,001; Feb. 4; Gaz. vol. 187; p. 53.
- Motors, System of control for electric. B. G. Lamme. No. 1,066,507; July 8; Gaz. vol. 192; p. 239.
- Motors using liquid fuel, Driving gas-. H. B. Krythe. No. 1,060,192; Apr. 29; Gaz. vol. 189; p. 1115.
- Motorneers, Clamp controller-handle for. J. B. Jackson. No. 1,064,696; June 10; Gaz. vol. 191; p. 557.
- Mouse or rat trap. E. F. Sebesta. No. 1,077,098; Oct. 28; Gaz. vol. 195; p. 976.
- Mouse-trap. A. B. Haugen. No. 1,053,597; Feb. 18; Gaz. vol. 187; p. 678.
- Mouse-trap. N. Dymenberg. No. 1,058,224; Apr. 8; Gaz. vol. 189; p. 329.
- Mouse-trap. J. G. Wiesen. No. 1,074,916; Oct. 7; Gaz. vol. 195; p. 111.
- Mouse-trap. J. I. Brorby. No. 1,080,623; Dec. 9; Gaz. vol. 197; p. 276.
- Mouth-prop. J. H. Abbott. No. 1,067,572; July 15; Gaz. vol. 192; p. 640.
- Mouthpiece-rolling machine. H. Rakowitzky. No. 1,072,259; Sept. 2; Gaz. vol. 194; p. 199.
- Mouthpieces, Antiseptic protector for. C. T. Porter and R. J. Osborne. No. 1,076,908; Oct. 28; Gaz. vol. 195; p. 912.
- Moving bodies, Apparatus for indicating the position of. H. R. Norton. No. 1,057,261; Mar. 25; Gaz. vol. 188; p. 985.
- Mow-spreader. D. P. L. Campbell. No. 1,079,211; Nov. 18; Gaz. vol. 196; p. 743.
- Mower. W. Burling. No. 1,053,901; Feb. 18; Gaz. vol. 187; p. 778.
- Mower and harvester. H. L. Hopkins. No. 1,054,773; Mar. 4; Gaz. vol. 188; p. 42.
- Mower attachment. I. R. Reber. No. 1,056,122; Mar. 18; Gaz. vol. 188; p. 565.
- Mower attachment, Lawn-. E. Janson. No. 1,065,946; July 1; Gaz. vol. 192; p. 15.
- Mower attachment, Lawn-. F. J. Anderla. No. 1,069,513; Aug. 5; Gaz. vol. 193; p. 148.
- Mower, Close-cutting lawn-. A. H. Davidson. No. 1,067,900; July 22; Gaz. vol. 192; p. 785.
- Mower cutter-bars, Lifting device of. L. M. Jones and R. H. Verity. No. 1,077,351; Nov. 4; Gaz. vol. 196; p. 38.
- Mower handle, Lawn-. W. E. Graham. No. 1,067,020; July 8; Gaz. vol. 192; p. 415.
- Mower, Lawn-. J. Chapple. No. 1,058,843; Apr. 15; Gaz. vol. 189; p. 580.
- Mower, Lawn-. W. E. Graham. No. 1,067,244; July 15; Gaz. vol. 192; p. 528.
- Mower, Lawn-. F. Yank. No. 1,077,182; Oct. 28; Gaz. vol. 195; p. 1001.
- Mower, Lawn-. W. H. Coldwell. No. 1,082,931; Dec. 30; Gaz. vol. 197; p. 1161.
- Mower, Motor-driven lawn-. E. E. Phillips. No. 1,060,283; Apr. 29; Gaz. vol. 189; p. 1148.
- Mower, Motor lawn-. W. H. Coldwell. No. 1,059,711; Apr. 22; Gaz. vol. 189; p. 912.
- Mower windrower attachment. R. F. Willis. No. 1,080,397; Dec. 2; Gaz. vol. 197; p. 170.
- Mowers, Rake attachment for. C. H. Dove. No. 1,077,262; Nov. 4; Gaz. vol. 196; p. 7.
- Mowers, Seed-gathering attachment for. V. M. Jackson. No. 1,071,554; Aug. 26; Gaz. vol. 193; p. 941.
- Mowing attachment for motor-vehicles. O. Kluge. No. 1,069,705; Aug. 12; Gaz. vol. 193; p. 241.
- Mowing-machine. H. L. Hopkins. No. 1,051,409; Jan. 28; Gaz. vol. 186; p. 815.
- Mowing-machine. C. S. Langton. No. 1,053,834; Feb. 18; Gaz. vol. 187; p. 756.
- Mowing-machine. C. Doering. No. 1,057,948; Apr. 1; Gaz. vol. 189; p. 188.
- Mowing-machine. J. Nicht. No. 1,070,055; Aug. 12; Gaz. vol. 193; p. 361.
- Mowing-machine. G. Wilson. No. 1,081,920; Dec. 16; Gaz. vol. 197; p. 749.
- Mowing-machine attachment. J. Walter. No. 1,053,459; Feb. 18; Gaz. vol. 187; p. 629.
- Mowing-machine attachment. R. Troelson. No. 1,063,305; June 3; Gaz. vol. 191; p. 46.
- Mowing-machine cutter-bar. A. D. Abbenzeller. No. 1,081,078; Dec. 9; Gaz. vol. 197; p. 429.
- Mowing-machine, Self-propelled. C. Shorman. No. 1,069,736; Aug. 12; Gaz. vol. 193; p. 252.
- Mowing-machines and harvesters, Sickle-drive for. J. C. Swanson. No. 1,082,659; Dec. 30; Gaz. vol. 197; p. 1065.
- Mowing-machines, Antifrictional bearing for. J. S. Howk. No. 1,064,074; June 10; Gaz. vol. 191; p. 344.
- Mucking apparatus. W. E. Trent. No. 1,073,184; Sept. 16; Gaz. vol. 194; p. 589.
- Mud-guard. G. L. Humble. No. 1,069,550; Aug. 5; Gaz. vol. 193; p. 160.
- Mud-guard. C. H. Nichols. No. 1,078,456; Nov. 11; Gaz. vol. 196; p. 451.
- Mud-guard support. L. Wilson. No. 1,069,506; Aug. 5; Gaz. vol. 193; p. 146.
- Mud-hook. R. A. MacDonell. No. 1,065,064; June 17; Gaz. vol. 191; p. 712.
- Muffle-furnace. L. C. Hamlink. No. 1,081,960; Dec. 23; Gaz. vol. 197; p. 792.
- Muffle-kiln. P. Eyer. No. 1,051,366; Jan. 21; Gaz. vol. 186; p. 766.
- Muffler. W. H. Winslow. No. 1,049,433; Jan. 7; Gaz. vol. 186; p. 39.
- Muffler. L. Vaughan. No. 1,058,393; Apr. 8; Gaz. vol. 189; p. 388.
- Muffler. J. M. Smith. No. 1,059,644; Apr. 22; Gaz. vol. 189; p. 890.
- Muffler. A. N. Russell and I. G. Mason. No. 1,059,910; Apr. 22; Gaz. vol. 189; p. 976.
- Muffler. E. M. Kluck. No. 1,060,768; May 6; Gaz. vol. 190; p. 70.
- Muffler. O. Z. Frazier. No. 1,062,092; May 20; Gaz. vol. 190; p. 598.
- Muffler. M. Thomson. No. 1,066,341; July 1; Gaz. vol. 192; p. 154.
- Muffler. M. Shlosberg. No. 1,067,200; July 8; Gaz. vol. 192; p. 478.
- Muffler. P. J. Collins. No. 1,067,468; July 15; Gaz. vol. 192; p. 605.
- Muffler. H. S. Hall. No. 1,070,956; Aug. 19; Gaz. vol. 193; p. 707.
- Muffler. N. Rapp. No. 1,071,528; Aug. 26; Gaz. vol. 193; p. 933.
- Muffler. J. Kellner and S. Worms. No. 1,072,735; Sept. 9; Gaz. vol. 194; p. 393.
- Muffler and oil-gas producer, Combined. A. O. Hiscock. No. 1,078,353; Nov. 11; Gaz. vol. 196; p. 416.
- Muffler cut-out. A. Piel. No. 1,065,391; June 24; Gaz. vol. 191; p. 858.
- Muffler cut-out. A. Piel. No. 1,065,467; June 24; Gaz. vol. 191; p. 885.
- Muffler cut-out. H. C. Peckham. No. 1,068,528; July 29; Gaz. vol. 192; p. 1038.
- Muffler cut-out. R. L. Hubbard. No. 1,081,744; Dec. 16; Gaz. vol. 197; p. 689.
- Muffler, Engine-. P. J. Collins. No. 1,067,467; July 15; Gaz. vol. 192; p. 605.
- Muffler, Exhaust-. W. J. Griffith. No. 1,055,270; Mar. 4; Gaz. vol. 188; p. 205.
- Mule, Self-acting. M. Mamloff. No. 1,054,855; Mar. 4; Gaz. vol. 188; p. 70.
- Multi-indorsement mechanism. C. C. Abbott. No. 1,054,075; Feb. 25; Gaz. vol. 187; p. 875.
- Multigraph-platen throw-off attachment. L. M. Stoll. No. 1,055,682; Mar. 11; Gaz. vol. 188; p. 381.
- Multiple drill. W. R. Fox. No. 1,058,045; Apr. 8; Gaz. vol. 189; p. 265.
- Multiple effect. A. L. Webre. No. 1,049,424; Jan. 7; Gaz. vol. 186; p. 36.
- Multiple-expansion engine. F. F. Nickel and J. M. Sharp, Jr. No. 1,067,484; July 15; Gaz. vol. 192; p. 611.
- Multiple-floor furnace for roasting ores. E. Scherfenberg. No. 1,057,584; Apr. 1; Gaz. vol. 189; p. 64.
- Music-cabinet. C. L. Sundquist. No. 1,062,263; May 20; Gaz. vol. 190; p. 656.
- Music-holder, Adjustable. H. J. Kattenhorn. No. 1,083,105; Dec. 30; Gaz. vol. 197; p. 1218.
- Music-leaf turner. J. E. Livingston. No. 1,052,353; Feb. 4; Gaz. vol. 187; p. 172.
- Music-leaf turner. N. B. Rees, Jr. No. 1,054,616; Feb. 25; Gaz. vol. 187; p. 1059.
- Music-leaf turner. N. W. Carroll. No. 1,055,443; Mar. 11; Gaz. vol. 188; p. 302.
- Music-leaf turner. H. Ipsen. No. 1,056,684; Mar. 18; Gaz. vol. 188; p. 756.
- Music-leaf turner. F. A. Gesking. No. 1,057,418; Apr. 1; Gaz. vol. 189; p. 10.
- Music-leaf turner. J. P. Larosch. No. 1,057,853; Apr. 1; Gaz. vol. 189; p. 158.
- Music-leaf turner. F. K. Dekan and A. Glauber. No. 1,059,445; Apr. 22; Gaz. vol. 189; p. 825.
- Music-leaf turner. T. F. White. No. 1,059,800; Apr. 22; Gaz. vol. 189; p. 943.
- Music-leaf turner. R. M. Neiman. No. 1,059,901; Apr. 22; Gaz. vol. 189; p. 973.
- Music-leaf turner. H. E. Hoines. No. 1,060,682; May 6; Gaz. vol. 190; p. 40.
- Music-leaf turner. A. W. Miller. No. 1,066,301; July 1; Gaz. vol. 192; p. 142.
- Music-leaf turner. J. Johnson. No. 1,067,343; July 15; Gaz. vol. 192; p. 564.

Alphabetical list of inventions—Continued.

- Music-leaf turner. J. W. Boltz. No. 1,067,398; July 15; Gaz. vol. 192; p. 581.
- Music-leaf turner. R. B. White. No. 1,067,954; July 22; Gaz. vol. 192; p. 802.
- Music-leaf turner. I. Scott. No. 1,068,397; July 22; Gaz. vol. 192; p. 955.
- Music-leaf turner. O. I. Searles. No. 1,071,470; Aug. 26; Gaz. vol. 193; p. 913.
- Music-leaf turner. C. Bergren. No. 1,075,084; Oct. 7; Gaz. vol. 195; p. 171.
- Music-leaf turner. S. J. Cook. No. 1,075,765; Oct. 14; Gaz. vol. 195; p. 432.
- Music-leaf turner. F. Hofmann. No. 1,077,069; Oct. 28; Gaz. vol. 195; p. 968.
- Music-leaf turner. H. C. Townner. No. 1,077,108; Oct. 28; Gaz. vol. 195; p. 979.
- Music-leaf turner. G. E. Ferguson. No. 1,077,134; Oct. 28; Gaz. vol. 195; p. 986.
- Music-lyre. J. E. Hawley. No. 1,057,381; Mar. 25; Gaz. vol. 188; p. 1023.
- Music. Machine for making perforated sheet. H. E. Propson. No. 1,064,253; June 10; Gaz. vol. 191; p. 405.
- Music. Means for interpreting player-piano. C. S. Jassey. No. 1,067,254; July 15; Gaz. vol. 192; p. 532.
- Music or leaf holder. D. E. Force. No. 1,060,332; Apr. 29; Gaz. vol. 189; p. 1166.
- Music-playing device. Pneumatically-controlled. P. Welin. No. 1,063,898; June 3; Gaz. vol. 191; p. 249.
- Music-playing instruments. Governor and regulator for mechanical. F. C. White. No. 1,082,665; Dec. 30; Gaz. vol. 197; p. 1068.
- Music-recording means. M. Clark. No. 1,082,499; Dec. 30; Gaz. vol. 197; p. 1008.
- Music representation. D. J. Dickson. No. 1,053,366; Feb. 18; Gaz. vol. 187; p. 597.
- Music-roll. E. C. Hiscock. No. 1,051,407; Jan. 28; Gaz. vol. 186; p. 814.
- Music-roll-marking machine. G. H. Davis. No. 1,057,622; Apr. 1; Gaz. vol. 189; p. 77.
- Music-roll-marking machine. Perforated. P. J. Meahl. No. 1,055,644; Mar. 11; Gaz. vol. 188; p. 368.
- Music-roll spool. G. H. Davis. No. 1,059,041; Apr. 15; Gaz. vol. 189; p. 650.
- Music-roll spool. Adjustable. G. H. Davis. No. 1,059,042; Apr. 15; Gaz. vol. 189; p. 650.
- Music-rolls. Combined marking and spooling machine for. G. H. Davis. No. 1,074,776; Oct. 7; Gaz. vol. 195; p. 66.
- Music-rolls. Tempo-marking device for. F. M. Craft and G. H. Davis. No. 1,059,040; Apr. 15; Gaz. vol. 189; p. 650.
- Music-sheet. H. L. Hentz and J. W. Vinal. No. 1,065,447; June 24; Gaz. vol. 191; p. 879.
- Music-sheet roller mechanism. F. W. Wood. No. 1,055,690; Mar. 11; Gaz. vol. 188; p. 384.
- Music-sheet turner. D. E. Shongo. No. 1,066,330; July 1; Gaz. vol. 192; p. 151.
- Music-sheets. Paper-feed mechanism for perforated. G. B. Kelly. No. 1,064,341; June 10; Gaz. vol. 191; p. 435.
- Music-sheets. Spool for perforated. O. Nelson. No. 1,080,229; Dec. 2; Gaz. vol. 197; p. 109.
- Music-spool mechanism. L. H. Maier. No. 1,057,070; Mar. 25; Gaz. vol. 188; p. 919.
- Music-spool. Spindle for holding. H. J. La Joie. No. 1,063,980; June 10; Gaz. vol. 191; p. 311.
- Music-stand. R. W. Mills. No. 1,058,079; Apr. 8; Gaz. vol. 189; p. 278.
- Music-stand. J. Hrabak. No. 1,067,609; July 15; Gaz. vol. 192; p. 653.
- Music stand and case. Combined. J. Ilonen. No. 1,069,617; Aug. 5; Gaz. vol. 193; p. 182.
- Music-tracking device. Sheet. C. Bergland. No. 1,081,422; Dec. 16; Gaz. vol. 197; p. 584.
- Music-turner. H. F. Gudde. No. 1,073,851; Sept. 23; Gaz. vol. 194; p. 843.
- Music-turning device. Sheet. L. B. Chambers. No. 1,079,838; Nov. 25; Gaz. vol. 196; p. 990.
- Musical compositions. Means for the study of. P. F. Cowing. No. 1,068,569; July 29; Gaz. vol. 192; p. 1052.
- Musical demonstrating-board. F. E. Huie-Locke. No. 1,058,976; Apr. 15; Gaz. vol. 189; p. 627.
- Musical device. B. Smith. No. 1,052,525; Feb. 11; Gaz. vol. 187; p. 265.
- Musical instrument. W. F. Ludwig. No. 1,054,009; Feb. 25; Gaz. vol. 187; p. 853.
- Musical instrument. J. Fiala. No. 1,064,720; June 17; Gaz. vol. 191; p. 601.
- Musical instrument. W. P. Dun Lany. No. 1,067,433; July 15; Gaz. vol. 192; p. 594.
- Musical instrument. F. W. Wood and E. D. Carney. No. 1,067,958; July 22; Gaz. vol. 192; p. 804.
- Musical instrument. P. Wirsching. No. 1,072,198; Sept. 2; Gaz. vol. 194; p. 181.
- Musical instrument. J. F. Kelly. No. 1,078,627; Nov. 18; Gaz. vol. 196; p. 539.
- Musical instrument. J. Schwertner. No. 1,081,703; Dec. 16; Gaz. vol. 197; p. 675.
- Musical instrument. Automatic. W. H. Smith and F. W. Gunton. No. 1,075,509; Oct. 14; Gaz. vol. 195; p. 345.
- Musical-instrument bellows. R. A. Gally. No. 1,056,093; Mar. 18; Gaz. vol. 188; p. 554.
- Musical instrument. Brass wind. F. W. Todt. No. 1,061,885; May 13; Gaz. vol. 190; p. 484.
- Musical-instrument-control handle. F. P. Jones. No. 1,056,182; Mar. 18; Gaz. vol. 188; p. 585.
- Musical-instrument-controlling device. Automatic. R. W. Gertz. No. 1,058,963; Apr. 15; Gaz. vol. 189; p. 622.
- Musical-instrument guard. A. Shutt. No. 1,061,877; May 13; Gaz. vol. 190; p. 482.
- Musical-instrument keyboard. F. Clutsam. No. 1,072,311; Sept. 2; Gaz. vol. 194; p. 216.
- Musical instrument. Mechanical. H. Koch. No. 1,054,297; Feb. 25; Gaz. vol. 187; p. 949.
- Musical instrument. Mechanical. H. J. Anderson. No. 1,062,944; May 27; Gaz. vol. 190; p. 923.
- Musical-instrument note-sheet. C. F. Stoddard. No. 1,072,527; Sept. 9; Gaz. vol. 194; p. 321.
- Musical-instrument-operating means. E. S. Votey. No. 1,082,218; Dec. 23; Gaz. vol. 197; p. 879.
- Musical-instrument playing apparatus. W. C. Reed. No. 1,058,902; Apr. 15; Gaz. vol. 189; p. 601.
- Musical instrument. Pneumatically-actuated. A. Philipps. No. 1,080,164; Dec. 2; Gaz. vol. 197; p. 86.
- Musical-instrument roll parts. R. A. Gally. No. 1,065,602; June 24; Gaz. vol. 191; p. 931.
- Musical instrument. Self-playing. L. B. Doman. No. 1,075,313; Oct. 7; Gaz. vol. 195; p. 252.
- Musical instrument. Stringed. J. Taylor and F. C. Stephens. No. 1,069,987; Aug. 12; Gaz. vol. 193; p. 338.
- Musical-instrument tracker. Automatic. C. S. Burton. No. 1,070,404; Aug. 19; Gaz. vol. 193; p. 523.
- Musical-instrument tracker. Automatic. R. Hope-Jones. No. 1,070,471; Aug. 19; Gaz. vol. 193; p. 547.
- Musical instrument. Wind. H. C. Martin. No. 1,071,526; Aug. 26; Gaz. vol. 193; p. 932.
- Musical instrument with interchangeable necks. Stringed. S. Pileri. No. 1,074,458; Sept. 30; Gaz. vol. 194; p. 1076.
- Musical instruments. Apparatus for mechanically operating. H. C. Coldman and C. F. Webb. No. 1,075,013; Oct. 7; Gaz. vol. 195; p. 145.
- Musical instruments. Automatic music-sheet-guiding device for self-playing. G. H. Davis. No. 1,082,849; Dec. 30; Gaz. vol. 197; p. 1133.
- Musical instruments. Bellows-action for autopneumatic. C. S. Burton. No. 1,062,885; May 27; Gaz. vol. 190; p. 902.
- Musical instruments. Bellows-actuating mechanism for. J. P. Rawls. No. 1,083,136; Dec. 30; Gaz. vol. 197; p. 1228.
- Musical instruments. Device for recording the tone volumes on. P. J. Meahl. No. 1,074,556; Sept. 30; Gaz. vol. 194; p. 1105.
- Musical instruments. Expression device for mechanical. J. O'Connor. No. 1,056,820; Mar. 25; Gaz. vol. 188; p. 832.
- Musical instruments. Hammer-action for. S. M. Keyte. No. 1,077,913; Nov. 4; Gaz. vol. 196; p. 230.
- Musical instruments. Hammer-action for player. B. R. Van Valkenburg. No. 1,059,507; Apr. 22; Gaz. vol. 189; p. 847.
- Musical instruments. Modulating mechanism for. H. E. French. No. 1,071,995; Sept. 2; Gaz. vol. 194; p. 113.
- Musical instruments. Motor-action for self-playing. L. B. Doman. No. 1,067,215; July 8; Gaz. vol. 192; p. 483.
- Musical instruments. Pneumatic action for. R. B. Fowler. No. 1,054,760; Mar. 4; Gaz. vol. 188; p. 36.
- Musical instruments. Pneumatic action for. M. S. Wright. No. 1,057,474; Apr. 1; Gaz. vol. 189; p. 27.
- Musical instruments. Pneumatic action for. C. J. Monfredini. No. 1,078,688; Nov. 18; Gaz. vol. 196; p. 561.
- Musical instruments. Pneumatic electric tracker-bar for. C. W. Dorricott. No. 1,078,133; Nov. 11; Gaz. vol. 196; p. 337.
- Musical instruments. Sostenuto device for. M. L. Severy and G. B. Sinclair. No. 1,068,010; July 22; Gaz. vol. 192; p. 822.
- Musical instruments. Stop-recording action for. M. Clark. No. 1,082,500; Dec. 30; Gaz. vol. 197; p. 1009.
- Musical instruments. Tracker-bar for automatic. J. J. Klein. No. 1,067,926; July 22; Gaz. vol. 192; p. 793.
- Musical instruments. Tracker-bar for self-playing. P. Wirsching. No. 1,074,335; Sept. 30; Gaz. vol. 194; p. 1035.
- Musical instruments. Tracker device for automatic. C. S. Burton. No. 1,064,704; June 17; Gaz. vol. 191; p. 595.
- Musical instruments. Transposer for pneumatic. J. J. Dossert. No. 1,052,138; Feb. 4; Gaz. vol. 187; p. 102.
- Musical instruments. Wind device for automatic. E. J. Luster. No. 1,077,843; Nov. 4; Gaz. vol. 196; p. 206.
- Musical instruments. Wind-inducing device for self-playing. L. B. Doman. No. 1,073,223; Sept. 16; Gaz. vol. 194; p. 605.
- Musical notation. System of. G. L. Becker. No. 1,062,813; May 27; Gaz. vol. 190; p. 878.
- Musical sounds. Appliance for producing. A. Steiner. No. 1,055,681; Mar. 11; Gaz. vol. 188; p. 380.

Alphabetical list of inventions—Continued.

- Musical sounds, Method and mechanism for producing. G. Breed. No. 1,051,675; Jan. 28; Gaz. vol. 186; p. 905.
- Musical string instrument, Mechanically-operated. G. K. Hennig. No. 1,079,046; Nov. 18; Gaz. vol. 196; p. 687.
- Musical stringed instruments, Tension device for. H. K. Sandell. No. 1,068,935; July 29; Gaz. vol. 192; p. 1182.
- Mustard, Manufacture of. H. C. Russ, A. T. Beach, and H. F. Kleinfeldt. No. 1,077,164; Oct. 28; Gaz. vol. 195; p. 995.
- Mutable publicity apparatus. F. C. Newell, Jr. No. 1,069,895; Aug. 12; Gaz. vol. 193; p. 308.
- Muzzle. C. Hickey. No. 1,080,446; Dec. 2; Gaz. vol. 197; p. 186.
- Muzzle. J. W. Thompson. No. 1,082,372; Dec. 23; Gaz. vol. 197; p. 935.
- Muzzle, Animal-. B. P. Merry. No. 1,051,150; Jan. 21; Gaz. vol. 186; p. 695.
- Muzzle, Dog-. A. J. Brauer. No. 1,068,971; July 29; Gaz. vol. 192; p. 1194.
- Nail: See Roofing-nail; Shoe-nail.
- Nail. F. Ervin. No. 1,051,874; Feb. 4; Gaz. vol. 187; p. 9.
- Nail. A. Filshie. No. 1,072,107; Sept. 2; Gaz. vol. 194; p. 150.
- Nail. D. MacColl and D. A. Cameron. No. 1,082,540; Dec. 30; Gaz. vol. 197; p. 1023.
- Nail-anchor. J. Kennedy. No. 1,052,347; Feb. 4; Gaz. vol. 187; p. 171.
- Nail-buffer. A. Lomberg. No. 1,053,839; Feb. 18; Gaz. vol. 187; p. 758.
- Nail-capping machine. A. Raiche. No. 1,063,593; June 3; Gaz. vol. 191; p. 144.
- Nail-clipper. J. C. Pettibone. No. 1,066,839; July 8; Gaz. vol. 192; p. 354.
- Nail-driver. A. Simpler. No. 1,052,978; Feb. 11; Gaz. vol. 187; p. 419.
- Nail-extractor. B. W. McCulley. No. 1,060,994; May 6; Gaz. vol. 190; p. 151.
- Nail-extractor. G. R. Dibert. No. 1,079,843; Nov. 25; Gaz. vol. 196; p. 991.
- Nail-file. W. J. Kelly. No. 1,069,269; Aug. 5; Gaz. vol. 193; p. 64.
- Nail making and driving machine. L. E. Johnson. No. 1,078,147; Nov. 11; Gaz. vol. 196; p. 342.
- Nail-making machine. S. A. Dobyne. No. 1,058,661; Apr. 8; Gaz. vol. 189; p. 478.
- Nail-making machine. J. Hyslop. No. 1,072,465; Sept. 9; Gaz. vol. 194; p. 300.
- Nail-making machine, String-. S. A. Dobyne. No. 1,058,662; Apr. 8; Gaz. vol. 189; p. 478.
- Nail-puller. I. N. Haley. No. 1,074,617; Oct. 7; Gaz. vol. 195; p. 10.
- Nail-puller. J. A. Giles. No. 1,080,210; Dec. 2; Gaz. vol. 197; p. 102.
- Nail-puller and scraper, Combined. W. F. Hobbs. No. 1,082,952; Dec. 30; Gaz. vol. 197; p. 1168.
- Nail-set holder. W. H. McKeen. No. 1,075,587; Oct. 14; Gaz. vol. 195; p. 371.
- Nail-set, Square-head. C. F. Mueller. No. 1,067,832; July 22; Gaz. vol. 192; p. 762.
- Nail-stripper. C. F. Smith. No. 1,051,282; Jan. 21; Gaz. vol. 186; p. 739.
- Nails and the like, Cutter-box for making the points of wire. H. Gärtner. No. 1,062,394; May 20; Gaz. vol. 190; p. 700.
- Nailing-machine. E. Stutzer. No. 1,060,377; Apr. 29; Gaz. vol. 189; p. 1181.
- Nailing-machine. H. W. Morgan. No. 1,063,719; June 3; Gaz. vol. 191; p. 191.
- Nailing-machine. J. H. Pope. No. 1,072,986; Sept. 9; Gaz. vol. 194; p. 486.
- Nailing-machine reel. S. A. Dobyne. No. 1,056,751; Mar. 18; Gaz. vol. 188; p. 781.
- Nailing-machine work-support. S. A. Dobyne. No. 1,058,663; Apr. 8; Gaz. vol. 189; p. 479.
- Nailing machines, Attachment for box-. P. J. Healy. No. 1,080,060; Dec. 2; Gaz. vol. 197; p. 49.
- Name and number plate. H. E. Balm. No. 1,067,636; July 15; Gaz. vol. 192; p. 663.
- Nap, Attachment for producing a positive length of. J. H. Starr. No. 1,052,855; Feb. 11; Gaz. vol. 187; p. 377.
- Nap, Attachment for producing a positive length of. J. H. Starr. No. 1,052,856; Feb. 11; Gaz. vol. 187; p. 377.
- Napper. A. C. Baum. No. 1,082,992; Dec. 30; Gaz. vol. 197; p. 1182.
- Napkin-holder. E. Fuller and A. Lange. No. 1,053,126; Feb. 11; Gaz. vol. 187; p. 471.
- Napkin or skirt-protector. M. H. and I. R. Hosack. No. 1,058,000; Apr. 1; Gaz. vol. 189; p. 206.
- Narcotics, Apparatus for administering. G. Haertel. No. 1,061,539; May 13; Gaz. vol. 190; p. 372.
- Nautical indicating device. O. L. Burdett. No. 1,067,716; July 15; Gaz. vol. 192; p. 689.
- Naval destroyer-craft. S. W. Barnaby. No. 1,054,490; Feb. 25; Gaz. vol. 187; p. 1018.
- Navigation instrument. J. L. H. Hand. No. 1,083,091; Dec. 30; Gaz. vol. 197; p. 1214.
- Navigation system. G. W. Eldridge. No. 1,063,915; June 3; Gaz. vol. 191; p. 255.
- Nebulizer. J. J. Holland and W. Discher. No. 1,051,587; Jan. 28; Gaz. vol. 186; p. 875.
- Nebulizer of liquids. J. H. Stringham. No. 1,082,777; Dec. 30; Gaz. vol. 197; p. 1109.
- Neck-making machine. B. Rous. No. 1,073,712; Sept. 23; Gaz. vol. 194; p. 798.
- Neck-making machine. B. Rous. No. 1,073,713; Sept. 23; Gaz. vol. 194; p. 799.
- Neck-protector for draft-animals. D. A. Kent. No. 1,056,342; Mar. 18; Gaz. vol. 188; p. 637.
- Necklace-clasp. F. X. Zirnklton. No. 1,081,184; Dec. 9; Gaz. vol. 197; p. 465.
- Necktie. J. Mitchell. No. 1,057,075; Mar. 25; Gaz. vol. 188; p. 921.
- Necktie. H. Brown. No. 1,059,707; Apr. 22; Gaz. vol. 189; p. 911.
- Necktie. H. N. Leinkram. No. 1,068,145; July 22; Gaz. vol. 192; p. 868.
- Necktie. J. C. Stanford. No. 1,073,875; Sept. 23; Gaz. vol. 194; p. 852.
- Necktie. C. W. T. Davies. No. 1,075,464; Oct. 14; Gaz. vol. 195; p. 330.
- Necktie-case. T. P. Forman. No. 1,061,906; May 13; Gaz. vol. 190; p. 491.
- Necktie-clasp. R. Walton. No. 1,056,609; Mar. 18; Gaz. vol. 188; p. 731.
- Necktie-clasp. M. J. Schless. No. 1,072,779; Sept. 9; Gaz. vol. 194; p. 408.
- Necktie-clasp or other fastener. C. Strauss and G. Remmel. No. 1,054,878; Mar. 4; Gaz. vol. 188; p. 78.
- Necktie-form. T. Burns. No. 1,051,678; Jan. 28; Gaz. vol. 186; p. 906.
- Necktie-form. L. W. Pennington. No. 1,080,296; Dec. 2; Gaz. vol. 197; p. 132.
- Necktie former and clasp. H. B. Clark. No. 1,055,136; Mar. 4; Gaz. vol. 188; p. 163.
- Necktie-holder. O. C. Dorney. No. 1,060,438; Apr. 29; Gaz. vol. 189; p. 1203.
- Necktie-holder. J. J. Deal. No. 1,065,509; June 24; Gaz. vol. 191; p. 900.
- Necktie-holder. D. L. Almansa. No. 1,067,634; July 15; Gaz. vol. 192; p. 662.
- Necktie-holder. F. Catuogno. No. 1,075,400; Oct. 14; Gaz. vol. 195; p. 308.
- Necktie-holder. J. D. Houck. No. 1,076,121; Oct. 21; Gaz. vol. 195; p. 583.
- Necktie, scarf, and girdle. L. C. Ellison. No. 1,066,093; July 1; Gaz. vol. 192; p. 67.
- Necktie shape-preserver, Open-ended-. A. Marcus. No. 1,061,764; May 13; Gaz. vol. 190; p. 447.
- Necktie-slide and collar-button. T. H. Stokes. No. 1,073,001; Sept. 9; Gaz. vol. 194; p. 491.
- Necktie-supporter for collars. A. Kilstrom. No. 1,052,725; Feb. 11; Gaz. vol. 187; p. 331.
- Necktie universal holder. E. P. O'Leary. No. 1,050,227; Jan. 14; Gaz. vol. 186; p. 341.
- Neckties, Making. W. H. Scott, Jr. No. 1,057,285; Mar. 25; Gaz. vol. 188; p. 993.
- Neckwear. W. E. Webb, Jr. No. 1,079,382; Nov. 25; Gaz. vol. 196; p. 831.
- Needle. W. H. Henderson. No. 1,054,117; Feb. 25; Gaz. vol. 187; p. 889.
- Needle. J. A. Lind. No. 1,056,187; Mar. 18; Gaz. vol. 188; p. 586.
- Needle. O. D. Bell. No. 1,070,941; Aug. 19; Gaz. vol. 193; p. 702.
- Needle. J. R. Reynolds. No. 1,078,955; Nov. 18; Gaz. vol. 196; p. 652.
- Needle and embroidery worker's assistant. G. Kramer. No. 1,071,160; Aug. 26; Gaz. vol. 193; p. 810.
- Needle and needle-helper. J. Kellner. No. 1,063,353; June 3; Gaz. vol. 191; p. 62.
- Needle-clamp. R. G. Woodward. No. 1,075,743; Oct. 14; Gaz. vol. 195; p. 425.
- Needle, Open-eye. J. A. Leighton. No. 1,055,058; Mar. 4; Gaz. vol. 188; p. 137.
- Needle or stylus. A. Hayes. No. 1,061,070; May 6; Gaz. vol. 190; p. 177.
- Needle-setting device. H. J. Martin. No. 1,071,249; Aug. 26; Gaz. vol. 193; p. 841.
- Needle-setting device. A. Carp. No. 1,072,084; Sept. 2; Gaz. vol. 194; p. 141.
- Needle-threading device. N. Dupuis. No. 1,057,627; Apr. 1; Gaz. vol. 189; p. 78.
- Needle-threading device. M. Sonnenfeld. No. 1,070,927; Aug. 19; Gaz. vol. 193; p. 697.
- Needle, Sewing-. W. J. Kendig. No. 1,073,140; Sept. 16; Gaz. vol. 194; p. 574.
- Needles, Forming. J. A. Lind. No. 1,057,860; Apr. 1; Gaz. vol. 189; p. 160.
- Needles, Forming hooked or throated. J. M. Merrow. No. 1,072,482; Sept. 9; Gaz. vol. 194; p. 305.
- Needles, Machine for making sewing-. W. Bühren. No. 1,082,493; Dec. 30; Gaz. vol. 197; p. 1006.
- Negative-outline-indicating device. U. Roberts. No. 1,073,169; Sept. 16; Gaz. vol. 194; p. 584.
- Nest. J. M. Erickson. No. 1,053,019; Feb. 11; Gaz. vol. 187; p. 433.

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- Nest. G. A. Stone. No. 1,062,861; May 27; Gaz. vol. 190; p. 894.
- Nest and segregating device. L. T. Owens. No. 1,053,433; Feb. 18; Gaz. vol. 187; p. 621.
- Nest, Automatic hen's. J. S. Jordan. No. 1,049,728; Jan. 7; Gaz. vol. 186; p. 139.
- Nest, Automatic trap chicken-. I. W. Hartzell. No. 1,051,952; Feb. 4; Gaz. vol. 187; p. 37.
- Nest-box, Automatic. J. T. Mason. No. 1,068,794; July 29; Gaz. vol. 192; p. 1132.
- Nest front, Poultry-trap-. W. F. Mahony. No. 1,081,317; Dec. 16; Gaz. vol. 197; p. 549.
- Nest, Hen's. L. Humbarger. No. 1,050,657; Jan. 14; Gaz. vol. 186; p. 490.
- Nest, Hen's. E. A. Young. No. 1,061,154; May 6; Gaz. vol. 190; p. 203.
- Nest, Hen's. R. F. Le Brocq. No. 1,066,631; July 8; Gaz. vol. 192; p. 283.
- Nest, Poultry-. J. Finn. No. 1,070,255; Aug. 12; Gaz. vol. 193; p. 430.
- Nest, Trap-. W. J. Holly. No. 1,067,340; July 15; Gaz. vol. 192; p. 563.
- Nest, Trap-. F. J. Schisler. No. 1,068,084; July 22; Gaz. vol. 192; p. 847.
- Nest, Trap-. J. W. Thompson. No. 1,068,373; July 22; Gaz. vol. 192; p. 947.
- Nest-trap. C. L. Grant. No. 1,081,605; Dec. 16; Gaz. vol. 197; p. 645.
- Nest, Trap hen's. R. S. Blevans. No. 1,071,201; Aug. 26; Gaz. vol. 193; p. 823.
- Net. J. F. Masek. No. 1,074,276; Sept. 30; Gaz. vol. 194; p. 1015.
- Net, Fly-. W. Erdmann. No. 1,071,034; Aug. 26; Gaz. vol. 193; p. 768.
- Net holder, Collapsible-landing-. H. Levy. No. 1,077,481; Nov. 4; Gaz. vol. 196; p. 86.
- Net-pulling machine. E. Crossley. No. 1,058,156; Apr. 8; Gaz. vol. 189; p. 305.
- Net, Reversible. T. Keeper. No. 1,053,608; Feb. 18; Gaz. vol. 187; p. 681.
- Net, Trawling-. C. H. Kahrs. No. 1,061,082; May 6; Gaz. vol. 190; p. 179.
- Netting, Interlocked. T. Yamamoto. No. 1,066,969; July 8; Gaz. vol. 192; p. 400.
- Netting, Textile-fiber. H. B. and I. F. Gregory. No. 1,077,959; Nov. 4; Gaz. vol. 196; p. 247.
- Nethergarment. M. W. Gillis. No. 1,059,145; Apr. 15; Gaz. vol. 189; p. 685.
- Newspaper-folding apparatus. B. P. Neher. No. 1,057,872; Apr. 1; Gaz. vol. 189; p. 164.
- Newspaper-holder. S. Di Francesca. No. 1,067,214; July 8; Gaz. vol. 192; p. 483.
- Newspaper-stand. T. C. Schepis and A. J. Schewe. No. 1,074,384; Sept. 30; Gaz. vol. 194; p. 1051.
- Newspapers and the like, Means for folding and wrapping. A. E. Young. No. 1,071,853; Sept. 2; Gaz. vol. 194; p. 63.
- Nickel, Electrolytically recovering. H. L. Wells and T. C. King. No. 1,067,698; July 15; Gaz. vol. 192; p. 684.
- Night guard or alarm. E. C. Winchester. No. 1,055,687; Mar. 11; Gaz. vol. 188; p. 383.
- Night-soil, waste waters, and the like, Purifying device for. A. Girard. No. 1,060,178; Apr. 29; Gaz. vol. 189; p. 1111.
- Nipple-anchoring means. A. C. Schuermann. No. 1,080,519; Dec. 2; Gaz. vol. 197; p. 210.
- Nipple, Nursing-. E. E. Jencsa. No. 1,082,198; Dec. 23; Gaz. vol. 197; p. 873.
- Nipple, Nursing-bottle. H. J. Maynard. No. 1,060,777; May 6; Gaz. vol. 190; p. 73.
- Nipple vent, Nursing-. P. Wisotzky. No. 1,066,873; July 8; Gaz. vol. 192; p. 366.
- Nitrate of lime and dicalcium phosphate in a single operation, Manufacturing. S. Peacock. No. 1,057,876; Apr. 1; Gaz. vol. 189; p. 165.
- Nitrates, Dehalogenization of halogeniferous. C. Uebel. No. 1,082,781; Dec. 30; Gaz. vol. 197; p. 1110.
- Nitrites, Production of. F. Rothe. No. 1,070,070. Aug. 12; Gaz. vol. 193; p. 366.
- Nitro-amino derivatives of the anthraquinone series, Making. A. Zitscher and E. J. Rath. No. 1,066,777; July 8; Gaz. vol. 192; p. 336.
- Nitrogen and the like, Apparatus for decomposing oxids of. P. Winand. No. 1,059,584; Apr. 22; Gaz. vol. 189; p. 871.
- Nitrogen, Apparatus for forming oxids of. J. S. Island. No. 1,082,529; Dec. 30; Gaz. vol. 197; p. 1019.
- Nitrogen compounds of silicon and aluminium, Manufacturing. O. Serpek. No. 1,060,640; May 6; Gaz. vol. 190; p. 26.
- Nitrogen compounds, Producing. C. E. Acker. No. 1,051,303; Jan. 21; Gaz. vol. 186; p. 746.
- Nitrogen from air, Extracting. E. M. Wiley. No. 1,056,244; Mar. 18; Gaz. vol. 188; p. 606.
- Nitrogen from the atmosphere, Apparatus for obtaining. O. Frank and O. Fincke. No. 1,078,423; Nov. 11; Gaz. vol. 196; p. 441.
- Nitrogenous compounds, Making. C. J. Greenstreet. No. 1,052,815; Feb. 11; Gaz. vol. 187; p. 364.
- Nitrous-oxid-administering appliances, Apparatus for. C. E. Teter and D. A. Davies. No. 1,082,482; Dec. 23; Gaz. vol. 197; p. 969.
- Nodulizing materials. L. P. Ross. No. 1,076,705; Oct. 28; Gaz. vol. 195; p. 840.
- Nodulizing materials, Mechanism for. L. P. Ross. No. 1,081,063; Dec. 9; Gaz. vol. 197; p. 426.
- Non-conducting material and making same. T. B. Parkison. No. 1,078,307; Nov. 11; Gaz. vol. 196; p. 400.
- Non-explosive stopper for bottles containing liquid fuels. A. Mueller. No. 1,074,448; Sept. 30; Gaz. vol. 194; p. 1072.
- Non-rattling spring. A. Christianson. No. 1,064,710; June 17; Gaz. vol. 191; p. 597.
- Non-skidding device. H. J. Hernsheim. No. 1,071,418; Aug. 26; Gaz. vol. 193; p. 897.
- Non-skidding device. W. G. Murray. No. 1,076,904; Oct. 28; Gaz. vol. 195; p. 910.
- Non-skidding device for wheels. W. E. Gerth. No. 1,067,913; July 22; Gaz. vol. 192; p. 789.
- Non-vibration chair. H. A. Bates and H. Serrell. No. 1,058,655; Apr. 8; Gaz. vol. 189; p. 476.
- Noodle-cutter. T. Lombardi. No. 1,076,130; Oct. 21; Gaz. vol. 195; p. 585.
- Nose-bag. C. S. Ceglowski. No. 1,051,682; Jan. 28; Gaz. vol. 186; p. 907.
- Nose-bag. J. Zadora. No. 1,053,766; Feb. 18; Gaz. vol. 187; p. 734.
- Nose-bag. E. Phillips. No. 1,065,268; June 17; Gaz. vol. 191; p. 778.
- Nose-guard for cattle. G. W. Benage. No. 1,077,585; Nov. 4; Gaz. vol. 196; p. 119.
- Nose-protector. J. O. Byron. No. 1,070,584; Aug. 19; Gaz. vol. 193; p. 587.
- Nostril-expander. H. R. Woodward. No. 1,077,574; Nov. 4; Gaz. vol. 196; p. 116.
- Note-case, Banker's. A. V. Kouba. No. 1,073,248; Sept. 16; Gaz. vol. 194; p. 612.
- Note-sheet-guiding device. J. O'Connor. No. 1,056,821; Mar. 25; Gaz. vol. 188; p. 832.
- Note-sheet indicator. T. Danguard. No. 1,058,041; Apr. 8; Gaz. vol. 189; p. 264.
- Note-sheet terminal. E. G. Clark. No. 1,078,771; Nov. 18; Gaz. vol. 196; p. 592.
- Note-sheets, Take-up device for. G. P. Brand. No. 1,070,397; Aug. 19; Gaz. vol. 193; p. 521.
- Nozzle. G. Linderborg. No. 1,051,135; Jan. 21; Gaz. vol. 186; p. 690.
- Nozzle. J. H. Cottle. No. 1,073,963; Sept. 23; Gaz. vol. 194; p. 882.
- Nozzle, Adjustable. G. F. Nluffer. No. 1,050,989; Jan. 21; Gaz. vol. 186; p. 640.
- Nozzle, Adjustable spray-. E. H. Lamiell. No. 1,079,131; Nov. 18; Gaz. vol. 196; p. 716.
- Nozzle, Boiler-tube-cleaner. H. Cassidy. No. 1,057,707; Apr. 1; Gaz. vol. 189; p. 106.
- Nozzle, Combustion-. J. L. Funk. No. 1,064,965; June 17; Gaz. vol. 191; p. 681.
- Nozzle device. J. G. Goodhue. No. 1,059,293; Apr. 15; Gaz. vol. 189; p. 735.
- Nozzle, Exhaust-. L. C. Mooney. No. 1,062,724; May 27; Gaz. vol. 190; p. 849.
- Nozzle, Exhaust-. L. C. Mooney. No. 1,082,701; Dec. 30; Gaz. vol. 197; p. 1081.
- Nozzle, Faucet-. A. C. Clark. No. 1,068,482; July 29; Gaz. vol. 192; p. 1023.
- Nozzle, Filling-. L. S. Bradley and W. H. Shattuck. No. 1,054,500; Feb. 25; Gaz. vol. 187; p. 1022.
- Nozzle for blower-pipes, Distributing-. J. E. Jennings. No. 1,057,738; Apr. 1; Gaz. vol. 189; p. 117.
- Nozzle for hydraulic motors. W. A. Doble. No. 1,076,962; Oct. 28; Gaz. vol. 195; p. 931.
- Nozzle for ladles. C. E. Michaels. No. 1,072,972; Sept. 9; Gaz. vol. 194; p. 480.
- Nozzle, High-pressure. W. H. Gleason. No. 1,067,516; July 15; Gaz. vol. 192; p. 621.
- Nozzle-holder. E. Nelson. No. 1,058,090; Apr. 8; Gaz. vol. 189; p. 282.
- Nozzle, Hydraulic. W. M. White. No. 1,055,958; Mar. 11; Gaz. vol. 188; p. 473.
- Nozzle, Hydraulic regulating-. W. A. Doble. No. 1,076,963; Oct. 28; Gaz. vol. 195; p. 931.
- Nozzle-planing machine. W. F. Rice. No. 1,063,597; June 3; Gaz. vol. 191; p. 147.
- Nozzle, Spraying-. G. E. Stone. No. 1,070,076; Aug. 12; Gaz. vol. 193; p. 368.
- Nozzle, Spraying-. J. W. Potter. No. 1,073,438; Sept. 16; Gaz. vol. 194; p. 680.
- Nozzle, Spraying-. A. K. Dyke. No. 1,081,102; Dec. 9; Gaz. vol. 197; p. 437.
- Nozzle, Spraying-. H. W. Grann. No. 1,081,667; Dec. 16; Gaz. vol. 197; p. 664.
- Number, House. J. W. Carlson. No. 1,077,801; Nov. 4; Gaz. vol. 196; p. 192.
- Numbering device. C. Martin. No. 1,062,783; May 27; Gaz. vol. 190; p. 868.
- Numbering device. C. Martin. No. 1,066,827; July 8; Gaz. vol. 192; p. 351.
- Numbering-machine. J. R. Nolan. No. 1,055,649; Mar. 11; Gaz. vol. 188; p. 369.

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- Numbering-machine. P. Weber. No. 1,063,232; June 3; Gaz. vol. 191; p. 22.
- Numbering-machine. C. L. Johnston. No. 1,067,222; July 8; Gaz. vol. 192; p. 486.
- Numerating-machine. D. Girson. No. 1,071,664; Aug. 26; Gaz. vol. 193; p. 978.
- Nursery-chair. J. N. Hansen. No. 1,050,362; Jan. 14; Gaz. vol. 186; p. 389.
- Nursery-chair, Sanitary. L. R. Collier. No. 1,061,935; May 13; Gaz. vol. 190; p. 502.
- Nursery-table. H. E. Root. No. 1,059,908; Apr. 22; Gaz. vol. 189; p. 975.
- Nut. E. L. Marston. No. 1,069,451; Aug. 5; Gaz. vol. 193; p. 127.
- Nut and bolt lock. C. C. Cross. No. 1,064,447; June 10; Gaz. vol. 191; p. 473.
- Nut and bolt lock. J. J. Herron. No. 1,073,755; Sept. 23; Gaz. vol. 194; p. 813.
- Nut and bolt lock. I. L. Edwards. No. 1,080,752; Dec. 9; Gaz. vol. 197; p. 322.
- Nut and bolt tightening machine. G. A. O'Connor. No. 1,080,994; Dec. 9; Gaz. vol. 197; p. 404.
- Nut and fish-plate, Combined lock-. W. E. Koehler. No. 1,067,874; July 22; Gaz. vol. 192; p. 777.
- Nut and locking-collar, Combination lock-. P. J. Andrews. No. 1,057,209; Mar. 25; Gaz. vol. 188; p. 967.
- Nut and making the same, Self-locking. D. O. Ward. No. 1,077,022; Oct. 28; Gaz. vol. 195; p. 952.
- Nut and pipe wrench, Combined. F. Manier. No. 1,076,133; Oct. 21; Gaz. vol. 195; p. 586.
- Nut, Automatic oiling-. A. Seppi. No. 1,052,694; Feb. 11; Gaz. vol. 187; p. 323.
- Nut, Bolt-. R. M. Hughes. No. 1,071,424; Aug. 26; Gaz. vol. 193; p. 899.
- Nut-cleaning machine. S. A. Freer. No. 1,074,940; Oct. 7; Gaz. vol. 195; p. 120.
- Nut construction. E. Hahn. No. 1,062,000; May 20; Gaz. vol. 190; p. 565.
- Nut-cracking device. F. Kogut. No. 1,052,926; Feb. 11; Gaz. vol. 187; p. 403.
- Nut-cracking machine. T. C. Suzzi. No. 1,060,684; May 6; Gaz. vol. 190; p. 28.
- Nut-cracking machine. G. C. Siebert and A. Gerstmayr. No. 1,062,742; May 27; Gaz. vol. 190; p. 854.
- Nut-cracking machine. G. W. Gable. No. 1,069,542; Aug. 5; Gaz. vol. 193; p. 157.
- Nut-cracking mechanism. M. Love. No. 1,073,694; Sept. 23; Gaz. vol. 194; p. 791.
- Nut, Emergency-. F. Whitman. No. 1,071,841; Sept. 2; Gaz. vol. 194; p. 60.
- Nut-lock. H. T. Hughes. No. 1,049,489; Jan. 7; Gaz. vol. 186; p. 57.
- Nut-lock. R. D. Reed. No. 1,049,765; Jan. 7; Gaz. vol. 186; p. 152.
- Nut-lock. R. D. Reed. No. 1,049,766; Jan. 7; Gaz. vol. 186; p. 152.
- Nut-lock. G. W. Tyler. No. 1,050,182; Jan. 14; Gaz. vol. 186; p. 327.
- Nut-lock. E. E. Trevillion. No. 1,050,577; Jan. 14; Gaz. vol. 186; p. 465.
- Nut-lock. W. Bandy. No. 1,051,188; Jan. 21; Gaz. vol. 186; p. 708.
- Nut-lock. D. S. Marple. No. 1,051,246; Jan. 21; Gaz. vol. 186; p. 726.
- Nut-lock. J. Slattery. No. 1,051,770; Jan. 28; Gaz. vol. 186; p. 935.
- Nut-lock. A. J. Calfee. No. 1,051,861; Feb. 4; Gaz. vol. 187; p. 5.
- Nut-lock. J. Reel. No. 1,052,380; Feb. 4; Gaz. vol. 187; p. 183.
- Nut-lock. O. Luyties. No. 1,052,602; Feb. 11; Gaz. vol. 187; p. 291.
- Nut-lock. A. A. MacDonald. No. 1,052,679; Feb. 11; Gaz. vol. 187; p. 318.
- Nut-lock. G. F. Martin. No. 1,052,838; Feb. 11; Gaz. vol. 187; p. 372.
- Nut-lock. F. H. Masow. No. 1,053,104; Feb. 11; Gaz. vol. 187; p. 464.
- Nut-lock. J. M. Roe. No. 1,055,228; Mar. 4; Gaz. vol. 188; p. 191.
- Nut-lock. R. T. Todhunter. No. 1,055,836; Mar. 11; Gaz. vol. 188; p. 434.
- Nut-lock. J. E. Bramon and W. A. Goshen. No. 1,055,867; Mar. 11; Gaz. vol. 188; p. 444.
- Nut-lock. B. Wich. No. 1,055,961; Mar. 11; Gaz. vol. 188; p. 474.
- Nut-lock. S. Barker. No. 1,056,316; Mar. 18; Gaz. vol. 188; p. 629.
- Nut-lock. C. H. Connacher. No. 1,056,323; Mar. 18; Gaz. vol. 188; p. 631.
- Nut-lock. A. Torvik. No. 1,056,605; Mar. 18; Gaz. vol. 188; p. 730.
- Nut-lock. J. C. and A. G. Jenkins. No. 1,056,686; Mar. 18; Gaz. vol. 188; p. 756.
- Nut-lock. F. G. Thatcher. No. 1,057,298; Mar. 25; Gaz. vol. 188; p. 997.
- Nut-lock. J. H. White. No. 1,057,311; Mar. 25; Gaz. vol. 188; p. 1001.
- Nut-lock. G. J. Simon. No. 1,057,465; Apr. 1; Gaz. vol. 189; p. 23.
- Nut-lock. G. M. Hall. No. 1,057,482; Apr. 1; Gaz. vol. 189; p. 30.
- Nut-lock. J. E. Herman. No. 1,057,548; Apr. 1; Gaz. vol. 189; p. 51.
- Nut-lock. J. S. Baldwin. No. 1,057,612; Apr. 1; Gaz. vol. 189; p. 74.
- Nut-lock. B. C. White. No. 1,058,124; Apr. 8; Gaz. vol. 189; p. 295.
- Nut-lock. M. Bartley. No. 1,058,139; Apr. 8; Gaz. vol. 189; p. 300.
- Nut-lock. A. A. Faucher. No. 1,058,294; Apr. 8; Gaz. vol. 189; p. 353.
- Nut-lock. A. F. Shepard. No. 1,058,475; Apr. 8; Gaz. vol. 189; p. 416.
- Nut-lock. H. C. Hart. No. 1,058,583; Apr. 8; Gaz. vol. 189; p. 452.
- Nut-lock. F. P. Hunkle. No. 1,058,750; Apr. 15; Gaz. vol. 189; p. 547.
- Nut-lock. C. C. McClain. No. 1,058,771; Apr. 15; Gaz. vol. 189; p. 554.
- Nut-lock. L. V. Barrett. No. 1,059,260; Apr. 15; Gaz. vol. 189; p. 724.
- Nut-lock. E. P. Worth. No. 1,059,420; Apr. 22; Gaz. vol. 189; p. 816.
- Nut-lock. F. Pilant. No. 1,059,756; Apr. 22; Gaz. vol. 189; p. 928.
- Nut-lock. C. W. Hughes. No. 1,059,863; Apr. 22; Gaz. vol. 189; p. 961.
- Nut-lock. J. T. Kistler. No. 1,060,005; Apr. 29; Gaz. vol. 189; p. 1053.
- Nut-lock. H. M. Burgess. No. 1,060,064; Apr. 29; Gaz. vol. 189; p. 1072.
- Nut-lock. C. G. Jones. No. 1,060,094; Apr. 29; Gaz. vol. 189; p. 1081.
- Nut-lock. M. D. Kopple. No. 1,060,687; May 6; Gaz. vol. 190; p. 42.
- Nut-lock. A. C. Rosenbrook. No. 1,060,790; May 6; Gaz. vol. 190; p. 76.
- Nut-lock. J. O'Hare. No. 1,061,776; May 13; Gaz. vol. 190; p. 451.
- Nut-lock. H. Lehman. No. 1,061,853; May 13; Gaz. vol. 190; p. 474.
- Nut-lock. C. Ryan. No. 1,061,871; May 13; Gaz. vol. 190; p. 480.
- Nut-lock. C. A. Seckinger. No. 1,061,873; May 13; Gaz. vol. 190; p. 481.
- Nut-lock. S. Pius. No. 1,062,357; May 20; Gaz. vol. 190; p. 687.
- Nut-lock. J. W. Tabor. No. 1,062,514; May 20; Gaz. vol. 190; p. 738.
- Nut-lock. L. S. Brach. No. 1,062,581; May 27; Gaz. vol. 190; p. 802.
- Nut-lock. J. H. Pisor. No. 1,063,211; June 3; Gaz. vol. 191; p. 15.
- Nut-lock. J. J. Shults. No. 1,063,397; June 3; Gaz. vol. 191; p. 77.
- Nut-lock. R. Altop. No. 1,063,763; June 3; Gaz. vol. 191; p. 205.
- Nut-lock. A. McGinn. No. 1,063,813; June 3; Gaz. vol. 191; p. 222.
- Nut-lock. A. Shuster. No. 1,064,553; June 10; Gaz. vol. 191; p. 508.
- Nut-lock. B. J. Cobb. No. 1,064,711; June 17; Gaz. vol. 191; p. 598.
- Nut-lock. C. Ryan. No. 1,064,934; June 17; Gaz. vol. 191; p. 669.
- Nut-lock. C. H. Loutrel. No. 1,065,149; June 17; Gaz. vol. 191; p. 739.
- Nut-lock. J. E. Mangine. No. 1,065,698; June 24; Gaz. vol. 191; p. 964.
- Nut-lock. H. Boyle. No. 1,065,773; June 24; Gaz. vol. 191; p. 989.
- Nut-lock. G. Pietrzak. No. 1,066,315; July 1; Gaz. vol. 192; p. 147.
- Nut-lock. O. Tegelbeckers and R. Eslinger. No. 1,066,339; July 1; Gaz. vol. 192; p. 154.
- Nut-lock. W. H. and C. L. Semon. No. 1,066,761; July 8; Gaz. vol. 192; p. 330.
- Nut-lock. E. H. Westbrook. No. 1,066,870; July 8; Gaz. vol. 192; p. 365.
- Nut-lock. E. A. Benson. No. 1,066,982; July 8; Gaz. vol. 192; p. 403.
- Nut-lock. E. B. Webb. No. 1,067,389; July 15; Gaz. vol. 192; p. 578.
- Nut-lock. E. H. Ballou. No. 1,067,455; July 15; Gaz. vol. 192; p. 601.
- Nut-lock. J. H. Rivière. No. 1,067,551; July 15; Gaz. vol. 192; p. 633.
- Nut-lock. C. H. Klee. No. 1,067,873; July 22; Gaz. vol. 192; p. 776.
- Nut-lock. W. R. Morse. No. 1,068,001; July 22; Gaz. vol. 192; p. 819.
- Nut-lock. L. C. Emerson. No. 1,068,488; July 29; Gaz. vol. 192; p. 1025.
- Nut-lock. B. J. Carter. No. 1,068,981; July 29; Gaz. vol. 192; p. 1196.
- Nut-lock. I. R. Hicks. No. 1,069,011; July 29; Gaz. vol. 192; p. 1206.
- Nut-lock. C. C. Young. No. 1,070,094; Aug. 12; Gaz. vol. 193; p. 376.

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- Nut-lock. E. G. Davis. No. 1,070,946; Aug. 19; Gaz. vol. 193; p. 704.
- Nut-lock. L. J. J. B. Chéneau. No. 1,071,508; Aug. 26; Gaz. vol. 193; p. 926.
- Nut-lock. A. E. Lotstrom. No. 1,071,622; Aug. 26; Gaz. vol. 193; p. 964.
- Nut-lock. P. T. Fiehler. No. 1,071,635; Aug. 26; Gaz. vol. 193; p. 968.
- Nut-lock. E. E. Trevillion. No. 1,072,275; Sept. 2; Gaz. vol. 194; p. 204.
- Nut-lock. G. W. Laing. No. 1,072,336; Sept. 2; Gaz. vol. 194; p. 224.
- Nut-lock. F. Smith. No. 1,072,666; Sept. 9; Gaz. vol. 194; p. 369.
- Nut-lock. J. Schlutter. No. 1,073,176; Sept. 16; Gaz. vol. 194; p. 587.
- Nut-lock. W. J., W. B., and J. C. Cleary. No. 1,073,665; Sept. 23; Gaz. vol. 194; p. 780.
- Nut-lock. I. M. Peck. No. 1,074,196; Sept. 30; Gaz. vol. 194; p. 988.
- Nut-lock. G. Klenk. No. 1,074,551; Sept. 30; Gaz. vol. 194; p. 1104.
- Nut-lock. A. Mazur and P. Mudrak. No. 1,075,218; Oct. 7; Gaz. vol. 195; p. 217.
- Nut-lock. M. Schotsch. No. 1,075,226; Oct. 7; Gaz. vol. 195; p. 220.
- Nut-lock. M. C. Ulrich. No. 1,075,310; Oct. 7; Gaz. vol. 195; p. 251.
- Nut-lock. E. E. Hickerson. No. 1,075,419; Oct. 14; Gaz. vol. 195; p. 314.
- Nut-lock. E. Valentine. No. 1,075,521; Oct. 14; Gaz. vol. 195; p. 349.
- Nut-lock. H. Vaterhaus. No. 1,075,523; Oct. 14; Gaz. vol. 195; p. 349.
- Nut-lock. M. Simon. No. 1,075,605; Oct. 14; Gaz. vol. 195; p. 379.
- Nut-lock. W. B. and G. C. Maxwell. No. 1,075,925; Oct. 14; Gaz. vol. 195; p. 487.
- Nut-lock. J. A. Bryant. No. 1,076,098; Oct. 21; Gaz. vol. 195; p. 575.
- Nut-lock. P. Schroeder. No. 1,076,396; Oct. 21; Gaz. vol. 195; p. 677.
- Nut-lock. S. L. Kyle. No. 1,076,679; Oct. 28; Gaz. vol. 195; p. 830.
- Nut-lock. R. Bixby. No. 1,077,119; Oct. 28; Gaz. vol. 195; p. 983.
- Nut-lock. A. E. Arnold. No. 1,077,248; Nov. 4; Gaz. vol. 196; p. 3.
- Nut-lock. L. S. Brach. No. 1,077,254; Nov. 4; Gaz. vol. 196; p. 4.
- Nut-lock. B. Lackey. No. 1,077,412; Nov. 4; Gaz. vol. 196; p. 61.
- Nut-lock. W. S. Old. No. 1,077,425; Nov. 4; Gaz. vol. 196; p. 66.
- Nut-lock. A. P. Stark. No. 1,077,763; Nov. 4; Gaz. vol. 196; p. 180.
- Nut-lock. A. Orzechowski. No. 1,077,940; Nov. 4; Gaz. vol. 196; p. 240.
- Nut-lock. W. F. Ludwick. No. 1,078,738; Nov. 18; Gaz. vol. 196; p. 579.
- Nut-lock. J. W. Nippert. No. 1,079,714; Nov. 25; Gaz. vol. 196; p. 945.
- Nut-lock. W. I. Pride and H. O. Schroeter. No. 1,079,880; Nov. 25; Gaz. vol. 196; p. 1004.
- Nut-lock. H. T. Hughes. No. 1,081,232; Dec. 9; Gaz. vol. 197; p. 481.
- Nut-lock. C. J. Lantz. No. 1,081,239; Dec. 9; Gaz. vol. 197; p. 483.
- Nut-lock. H. Hall and J. T. Wright. No. 1,081,499; Dec. 16; Gaz. vol. 197; p. 611.
- Nut-lock. R. Mulon. No. 1,081,549; Dec. 16; Gaz. vol. 197; p. 627.
- Nut-lock. C. M. Siever. No. 1,081,631; Dec. 16; Gaz. vol. 197; p. 652.
- Nut-lock. L. C. Dashner and H. E. Jacobs. No. 1,081,661; Dec. 16; Gaz. vol. 197; p. 662.
- Nut-lock. J. R. Hipsley. No. 1,081,741; Dec. 16; Gaz. vol. 197; p. 688.
- Nut-lock. E. J. Fillingim. No. 1,081,820; Dec. 16; Gaz. vol. 197; p. 717.
- Nut-lock. M. Kester. No. 1,081,965; Dec. 23; Gaz. vol. 197; p. 794.
- Nut-lock. J. H. Phipps. No. 1,082,211; Dec. 23; Gaz. vol. 197; p. 877.
- Nut-lock. J. R. Armstrong. No. 1,082,389; Dec. 23; Gaz. vol. 197; p. 941.
- Nut-lock. H. Chesher. No. 1,082,734; Dec. 30; Gaz. vol. 197; p. 1093.
- Nut-lock. H. Chesher. No. 1,082,735; Dec. 30; Gaz. vol. 197; p. 1093.
- Nut-lock. J. W. Gaul. No. 1,083,080; Dec. 30; Gaz. vol. 197; p. 1210.
- Nut-lock. W. R. Powers. No. 1,083,133; Dec. 30; Gaz. vol. 197; p. 1227.
- Nut-lock. O. Luyties. No. 1,052,601; Feb. 11; Gaz. vol. 187; p. 291.
- Nut-lock. T. A. Hookey. No. 1,061,842; May 13; Gaz. vol. 190; p. 470.
- Nut, Lock-. F. Schimmel. No. 1,062,039; May 20; Gaz. vol. 190; p. 579.
- Nut, Lock-. I. D. Zitzerman. No. 1,063,146; May 27; Gaz. vol. 190; p. 988.
- Nut, Lock-. G. W. Fenstermaker. No. 1,064,629; June 10; Gaz. vol. 191; p. 534.
- Nut, Lock-. G. L. Young. No. 1,065,759; June 24; Gaz. vol. 191; p. 985.
- Nut, Lock-. D. E. Garrett. No. 1,067,649; July 15; Gaz. vol. 192; p. 667.
- Nut, Lock-. G. S. Norris. No. 1,069,024; July 29; Gaz. vol. 192; p. 1211.
- Nut, Lock-. E. Erwin. No. 1,070,789; Aug. 19; Gaz. vol. 193; p. 655.
- Nut, Lock-. J. M. Roe. No. 1,070,844; Aug. 19; Gaz. vol. 193; p. 672.
- Nut, Lock-. S. G. Meeker. No. 1,072,755; Sept. 9; Gaz. vol. 194; p. 399.
- Nut, Lock-. R. Wolf. No. 1,073,009; Sept. 9; Gaz. vol. 194; p. 493.
- Nut, Lock-. K. Kessler. No. 1,073,497; Sept. 16; Gaz. vol. 194; p. 699.
- Nut, Lock-. H. D. Church. No. 1,077,670; Nov. 4; Gaz. vol. 196; p. 148.
- Nut, Lock-. J. M. Doolittle. No. 1,080,199; Dec. 2; Gaz. vol. 197; p. 98.
- Nut, Lock-. E. I. Dodds. No. 1,080,332; Dec. 2; Gaz. vol. 197; p. 145.
- Nut, Lock-. F. A. Wittich. No. 1,081,356; Dec. 16; Gaz. vol. 197; p. 563.
- Nut, Lock-. B. S. McClellan. No. 1,083,217; Dec. 30; Gaz. vol. 197; p. 1251.
- Nut-lock structure. C. E. Whitehead. No. 1,075,617; Oct. 14; Gaz. vol. 195; p. 382.
- Nut-lock wrench. A. A. Faucher. No. 1,058,295; Apr. 8; Gaz. vol. 189; p. 353.
- Nut-locks, Spring operating means for. J. L. Broomfield. No. 1,067,163; July 8; Gaz. vol. 192; p. 465.
- Nut-locking device. J. Price. No. 1,058,386; Apr. 8; Gaz. vol. 189; p. 386.
- Nut-locking device. S. W. Carpenter. No. 1,063,853; June 3; Gaz. vol. 191; p. 234.
- Nut-locking device. V. Martinez. No. 1,064,977; June 17; Gaz. vol. 191; p. 685.
- Nut-locking device. J. W. Brundage. No. 1,079,834; Nov. 25; Gaz. vol. 196; p. 989.
- Nut or bolt locking device. W. H. Reighard. No. 1,061,125; May 6; Gaz. vol. 190; p. 195.
- Nut or locking device for screws. G. Lakovsky. No. 1,054,570; Feb. 25; Gaz. vol. 187; p. 1043.
- Nut-removing device. T. L. Easley. No. 1,051,713; Jan. 28; Gaz. vol. 186; p. 918.
- Nut, Self-locking. M. Jacobs. No. 1,076,674; Oct. 28; Gaz. vol. 195; p. 829.
- Nut, Self-locking. D. O. Ward. No. 1,077,023; Oct. 28; Gaz. vol. 195; p. 953.
- Nut, Self-locking. E. E. Maher. No. 1,081,540; Dec. 16; Gaz. vol. 197; p. 625.
- Nut-shelling machine. A. Paul. No. 1,073,165; Sept. 16; Gaz. vol. 194; p. 582.
- Nut, Slip-joint-coupling. A. C. Schuermann. No. 1,063,926; June 3; Gaz. vol. 191; p. 259.
- Nut-splitter. E. J. Chandler. No. 1,069,528; Aug. 5; Gaz. vol. 193; p. 153.
- Nut, Spring-. P. W. Mosher. No. 1,049,590; Jan. 7; Gaz. vol. 186; p. 94.
- Nut-tapping machine. E. H. Chapman. No. 1,077,595; Nov. 4; Gaz. vol. 196; p. 122.
- Nut-tightener for silo-rods, &c. G. M. Anderson. No. 1,071,496; Aug. 26; Gaz. vol. 193; p. 922.
- Nut washer and bolt, Combination lock-. B. R. Jones. No. 1,077,080; Oct. 28; Gaz. vol. 195; p. 971.
- Nut-wrench. J. Huber. No. 1,080,064; Dec. 2; Gaz. vol. 197; p. 51.
- Nuts for food, Preparing. S. E. Norton. No. 1,063,208; June 3; Gaz. vol. 191; p. 14.
- Nuts, Machine for making hot-pressed. W. S. Bidle and J. A. Costello. No. 1,050,096; Jan. 14; Gaz. vol. 186; p. 299.
- Nuts, Making hexagonal. F. L. Tideman. No. 1,076,079; Oct. 21; Gaz. vol. 195; p. 567.
- Nuts, Treating vegetable-ivory. J. C. Denney. No. 1,053,162; Feb. 18; Gaz. vol. 187; p. 526.
- Nutracker. I. F. Harris. No. 1,052,663; Feb. 11; Gaz. vol. 187; p. 312.
- Nutracker. W. N. Gradick. No. 1,061,470; May 13; Gaz. vol. 190; p. 346.
- Nutmeg container and grater. E. A. Parker. No. 1,079,434; Nov. 25; Gaz. vol. 196; p. 847.
- Oar. J. Schmidt, Jr. No. 1,066,662; July 8; Gaz. vol. 192; p. 294.
- Oar and oar-lock. J. Liracz. No. 1,059,941; Apr. 22; Gaz. vol. 189; p. 987.
- Oar, Bow-facing. T. C. Jewell. No. 1,053,822; Feb. 18; Gaz. vol. 187; p. 753.
- Oar, Bow-facing. T. J. Gilbertson. No. 1,070,448; Aug. 19; Gaz. vol. 193; p. 539.
- Oar-lock. A. L. Shears. No. 1,061,783; May 13; Gaz. vol. 190; p. 453.

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- Oats separator, Wild-. A. Holland. No. 1,054,549; Feb. 25; Gaz. vol. 187; p. 1036.
- Oats separator, Wild-. W. G. Klauer. No. 1,082,879; Dec. 30; Gaz. vol. 197; p. 1143.
- Obstetrical instrument. A. L. Townsend. No. 1,063,750; June 3; Gaz. vol. 191; p. 200.
- Obstetrical instrument. P. D. Russell. No. 1,072,038; Sept. 2; Gaz. vol. 194; p. 126.
- Obstetrical instrument. W. B. Reeve and N. Siglin. No. 1,080,477; Dec. 2; Gaz. vol. 197; p. 195.
- Obstetrical practice, Instrument used for diagnostic purposes in. H. Spiro. No. 1,054,802; Mar. 4; Gaz. vol. 188; p. 52.
- Obturator. G. Gerdorn. No. 1,062,646; May 27; Gaz. vol. 190; p. 825.
- Octave-coupler. J. Galleazzi. No. 1,059,139; Apr. 15; Gaz. vol. 189; p. 683.
- Octave-coupling mechanism. J. Galleazzi. No. 1,059,535; Apr. 22; Gaz. vol. 189; p. 855.
- Offset device. E. P. Sheldon. No. 1,049,413; Jan. 7; Gaz. vol. 186; p. 32.
- Offset, Means for preventing. G. G. Murray. No. 1,050,982; Jan. 21; Gaz. vol. 186; p. 638.
- Offset, Preventing. G. G. Murray. No. 1,051,348; Jan. 21; Gaz. vol. 186; p. 761.
- Oil and stock food from cotton-seed, Obtaining. T. H. Covey. No. 1,067,975; July 22; Gaz. vol. 192; p. 810.
- Oil and water burner. C. G. Lundstrom. No. 1,082,755; Dec. 30; Gaz. vol. 197; p. 1100.
- Oil, Apparatus for receiving, separating, and filtering. E. Moulié. No. 1,075,265; Oct. 7; Gaz. vol. 195; p. 235.
- Oil-arrester. J. E. Tyler. No. 1,053,760; Feb. 18; Gaz. vol. 187; p. 733.
- Oil-box. I. E. Farr. No. 1,050,266; Jan. 14; Gaz. vol. 186; p. 355.
- Oil-burner. T. J. Langston. No. 1,050,031; Jan. 7; Gaz. vol. 186; p. 242.
- Oil-burner. B. F. Rawlings. No. 1,050,170; Jan. 14; Gaz. vol. 186; p. 322.
- Oil-burner. F. L. Clark. No. 1,051,085; Jan. 21; Gaz. vol. 186; p. 673.
- Oil-burner. L. A. Stokes. No. 1,051,464; Jan. 28; Gaz. vol. 186; p. 833.
- Oil-burner. E. Boudreaux. No. 1,051,672; Jan. 28; Gaz. vol. 186; p. 904.
- Oil-burner. W. H. Bradley. No. 1,052,126; Feb. 4; Gaz. vol. 187; p. 98.
- Oil-burner. C. W. Walton. No. 1,052,537; Feb. 11; Gaz. vol. 187; p. 269.
- Oil-burner. G. H. Allen. No. 1,053,768; Feb. 18; Gaz. vol. 187; p. 735.
- Oil-burner. C. T. Haas and R. C. Hunter. No. 1,053,987; Feb. 25; Gaz. vol. 187; p. 846.
- Oil-burner. D. M. Woods. No. 1,055,115; Mar. 4; Gaz. vol. 188; p. 155.
- Oil-burner. C. C. McWilliams and J. Miller. No. 1,055,411; Mar. 11; Gaz. vol. 188; p. 291.
- Oil-burner. G. Unser and G. Warner. No. 1,055,840; Mar. 11; Gaz. vol. 188; p. 435.
- Oil-burner. O. Alspaugh. No. 1,056,142; Mar. 18; Gaz. vol. 188; p. 571.
- Oil-burner. R. H. Copley. No. 1,056,504; Mar. 18; Gaz. vol. 188; p. 695.
- Oil-burner. I. L. Greathouse. No. 1,056,534; Mar. 18; Gaz. vol. 188; p. 707.
- Oil-burner. E. C. Finch. No. 1,056,652; Mar. 18; Gaz. vol. 188; p. 746.
- Oil-burner. C. C. Lillibridge. No. 1,056,918; Mar. 25; Gaz. vol. 188; p. 866.
- Oil-burner. W. Melas. No. 1,057,868; Apr. 1; Gaz. vol. 189; p. 162.
- Oil-burner. W. R. Cochran, Jr. No. 1,057,937; Apr. 1; Gaz. vol. 189; p. 185.
- Oil-burner. T. M. Morris and R. N. Luetje. No. 1,058,085; Apr. 8; Gaz. vol. 189; p. 280.
- Oil-burner. C. F. Powers. No. 1,058,862; Apr. 8; Gaz. vol. 189; p. 412.
- Oil-burner. R. C. Casad. No. 1,058,947; Apr. 15; Gaz. vol. 189; p. 616.
- Oil-burner. W. Wilson. No. 1,060,149; Apr. 29; Gaz. vol. 189; p. 1100.
- Oil-burner. H. C. Ruggles. No. 1,061,011; May 6; Gaz. vol. 190; p. 157.
- Oil-burner. G. L. Hogan. No. 1,061,290; May 13; Gaz. vol. 190; p. 284.
- Oil-burner. J. C. Hinz. No. 1,062,280; May 20; Gaz. vol. 190; p. 661.
- Oil-burner. J. H. Bowling. No. 1,062,383; May 20; Gaz. vol. 190; p. 696.
- Oil-burner. G. Fraser. No. 1,063,190; June 3; Gaz. vol. 191; p. 8.
- Oil-burner. G. J. Clark. No. 1,063,329; June 3; Gaz. vol. 191; p. 54.
- Oil-burner. F. A. Jacobs. No. 1,063,352; June 3; Gaz. vol. 191; p. 62.
- Oil-burner. H. H. Buckman, Jr. No. 1,063,412; June 3; Gaz. vol. 191; p. 82.
- Oil-burner. R. H. Eckhardt. No. 1,063,786; June 3; Gaz. vol. 191; p. 213.
- Oil-burner. B. L. Cornelius. No. 1,063,913; June 3; Gaz. vol. 191; p. 255.
- Oil-burner. J. P. Price. No. 1,064,088; June 10; Gaz. vol. 191; p. 349.
- Oil-burner. J. R. Pring. No. 1,064,251; June 10; Gaz. vol. 191; p. 405.
- Oil-burner. A. German. No. 1,064,314; June 10; Gaz. vol. 191; p. 426.
- Oil-burner. A. D. Marcotte. No. 1,064,509; June 10; Gaz. vol. 191; p. 493.
- Oil-burner. W. T. Wood. No. 1,064,583; June 10; Gaz. vol. 191; p. 518.
- Oil-burner. E. R. Anderson. No. 1,064,589; June 10; Gaz. vol. 191; p. 520.
- Oil-burner. H. B. Stilz. No. 1,066,161; July 1; Gaz. vol. 192; p. 90.
- Oil-burner. J. J. Mann. No. 1,069,091; July 29; Gaz. vol. 192; p. 1235.
- Oil-burner. H. F. Baker. No. 1,069,098; Aug. 5; Gaz. vol. 193; p. 3.
- Oil-burner. T. J. Crook. No. 1,070,230; Aug. 12; Gaz. vol. 193; p. 423.
- Oil-burner. J. G. Hilton. No. 1,070,469; Aug. 19; Gaz. vol. 193; p. 546.
- Oil-burner. P. W. Knauf. No. 1,070,700; Aug. 19; Gaz. vol. 193; p. 625.
- Oil-burner. G. Gilberd. No. 1,071,308; Aug. 26; Gaz. vol. 193; p. 860.
- Oil-burner. J. I. Sloan. No. 1,072,265; Sept. 2; Gaz. vol. 194; p. 201.
- Oil-burner. W. J. Larimer. No. 1,072,624; Sept. 9; Gaz. vol. 194; p. 354.
- Oil-burner. I. N. F. Randolph. No. 1,072,773; Sept. 9; Gaz. vol. 194; p. 406.
- Oil-burner. L. Tozer. No. 1,073,306; Sept. 16; Gaz. vol. 194; p. 634.
- Oil-burner. L. Boatwright. No. 1,075,396; Oct. 14; Gaz. vol. 195; p. 307.
- Oil-burner. L. S. Thomas. No. 1,075,875; Oct. 14; Gaz. vol. 195; p. 469.
- Oil-burner. J. Schurs. No. 1,075,947; Oct. 14; Gaz. vol. 195; p. 494.
- Oil-burner. L. B. Strow and T. E. McMillan. No. 1,076,327; Oct. 21; Gaz. vol. 195; p. 653.
- Oil-burner. H. P. and H. I. Ingram. No. 1,076,828; Oct. 28; Gaz. vol. 195; p. 883.
- Oil-burner. R. B. Warner and M. L. Shroat. No. 1,077,178; Oct. 28; Gaz. vol. 195; p. 999.
- Oil-burner. R. L. Dailey. No. 1,077,678; Nov. 4; Gaz. vol. 196; p. 150.
- Oil-burner. F. L. Weeman. No. 1,078,475; Nov. 11; Gaz. vol. 196; p. 457.
- Oil-burner. L. Tozer. No. 1,081,994; Dec. 23; Gaz. vol. 197; p. 804.
- Oil-burner. G. W. McCallen. No. 1,082,130; Dec. 23; Gaz. vol. 197; p. 849.
- Oil-burner. H. W. Brent, Jr. No. 1,082,796; Dec. 30; Gaz. vol. 197; p. 1115.
- Oil-burner, Centrifugal. M. A. Fesler. No. 1,064,467; June 10; Gaz. vol. 191; p. 480.
- Oil burner, Coal-. C. E. Godley. No. 1,082,514; Dec. 30; Gaz. vol. 197; p. 1014.
- Oil burner, Crude-. J. R. T. Smith and S. Duty. No. 1,053,662; Feb. 18; Gaz. vol. 187; p. 699.
- Oil burner, Crude-. A. A. Wintemute. No. 1,062,073; May 20; Gaz. vol. 190; p. 590.
- Oil burner, Crude-. D. A. Cardwell. No. 1,069,851; Aug. 12; Gaz. vol. 193; p. 293.
- Oil burner, Crude-. U. B. and J. S. Patrick. No. 1,073,283; Sept. 16; Gaz. vol. 194; p. 625.
- Oil burner, Crude-. E. E. Comstock. No. 1,077,123; Oct. 28; Gaz. vol. 195; p. 983.
- Oil-burner fastener and splash-preventer. W. T. Jones. No. 1,073,689; Sept. 23; Gaz. vol. 194; p. 789.
- Oil-burner fuel-feeding system. R. C. Quin. No. 1,066,948; July 8; Gaz. vol. 192; p. 393.
- Oil-burner heater, Hot-blast. R. B. Carter. No. 1,080,810; Dec. 9; Gaz. vol. 197; p. 343.
- Oil burner, Hydrocarbon-. G. R. Shanklin. No. 1,065,277; June 17; Gaz. vol. 191; p. 782.
- Oil burner, Hydrocarbon-. Z. L. Melick. No. 1,075,299; Oct. 7; Gaz. vol. 195; p. 247.
- Oil-burner. Revolving-endless-band. J. K. Toles. No. 1,078,972; Nov. 18; Gaz. vol. 196; p. 658.
- Oil-burner tip. C. Böhme. No. 1,051,069; Jan. 21; Gaz. vol. 186; p. 667.
- Oil-burner, Vaporizing. I. Corser. No. 1,051,559; Jan. 28; Gaz. vol. 186; p. 867.
- Oil-burner, Wick blue-flame. A. J. Blackford. No. 1,074,687; Oct. 7; Gaz. vol. 195; p. 36.
- Oil-burning apparatus. B. L. Worthen. No. 1,050,193; Jan. 14; Gaz. vol. 186; p. 330.
- Oil-burning device. D. B. Pate and C. C. Self. No. 1,070,722; Aug. 19; Gaz. vol. 193; p. 631.
- Oil-burning furnace. E. W. Thomas. No. 1,051,031; Jan. 21; Gaz. vol. 186; p. 655.
- Oil-burning furnace. H. V. Leahy. No. 1,065,057; June 17; Gaz. vol. 191; p. 709.

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- Oil-cake-forming machine. A. W. French. No. 1,059,986; Apr. 29; Gaz. vol. 189; p. 1047.
- Oil-cake-stripping machine. T. J. McNulty. No. 1,074,446; Sept. 30; Gaz. vol. 194; p. 1072.
- Oil-can. N. P. Sandberg and C. A. R. Peterson. No. 1,051,273; Jan. 21; Gaz. vol. 186; p. 736.
- Oil-can. C. P. Rumpf. No. 1,056,945; Mar. 25; Gaz. vol. 188; p. 877.
- Oil-can. A. T. Booth. No. 1,073,391; Sept. 16; Gaz. vol. 194; p. 663.
- Oil-can. H. L. Larsen. No. 1,074,440; Sept. 30; Gaz. vol. 194; p. 1070.
- Oil-can. J. W. Nilsson. No. 1,074,810; Oct. 7; Gaz. vol. 195; p. 76.
- Oil-can and funnel. J. J. Cox. No. 1,074,697; Oct. 7; Gaz. vol. 195; p. 39.
- Oil-can holder. C. W. Beck. No. 1,080,882; Dec. 9; Gaz. vol. 197; p. 367.
- Oil cleaning and refining. C. W. Stone. No. 1,070,555; Aug. 19; Gaz. vol. 193; p. 577.
- Oil-cup. A. H. Gits. No. 1,057,956; Apr. 1; Gaz. vol. 189; p. 191.
- Oil-cup. W. H. Dawley. No. 1,071,400; Aug. 26; Gaz. vol. 193; p. 891.
- Oil-drop lubricator. F. Stabe. No. 1,075,871; Oct. 14; Gaz. vol. 195; p. 468.
- Oil-drying apparatus. W. L. Morris. No. 1,066,644; July 8; Gaz. vol. 192; p. 288.
- Oil-engine. A. Franchetti. No. 1,070,333; Aug. 12; Gaz. vol. 193; p. 457.
- Oil-engine. M. R. Matti. No. 1,074,000; Sept. 23; Gaz. vol. 194; p. 895.
- Oil-engine and vaporizer therefor. A. Lebrecht. No. 1,049,374; Jan. 7; Gaz. vol. 186; p. 19.
- Oil from fish, Extracting. W. E. Overton. No. 1,080,294; Dec. 2; Gaz. vol. 197; p. 131.
- Oil from oil-bearing rock or sand, Extracting. R. H. Johnson. No. 1,083,018; Dec. 30; Gaz. vol. 197; p. 1190.
- Oil-heater. H. Swarteslander. No. 1,082,370; Dec. 23; Gaz. vol. 197; p. 935.
- Oil heater and forcer. W. Kent. No. 1,052,002; Feb. 4; Gaz. vol. 187; p. 54.
- Oil mixtures and the like, Hydrogenating. C. Ellis. No. 1,078,136; Nov. 11; Gaz. vol. 196; p. 338.
- Oil, oil compounds, &c. from sand rock and other material, Apparatus for extracting bituminous. S. R. Murray and G. E. McDermid. No. 1,060,010; Apr. 29; Gaz. vol. 189; p. 1054.
- Oil, Preparing an. E. Richter. No. 1,076,703; Oct. 28; Gaz. vol. 195; p. 840.
- Oil-press. M. B. Green. No. 1,081,905; Dec. 16; Gaz. vol. 197; p. 744.
- Oil refining and coking device. A. Dean. No. 1,053,282; Feb. 18; Gaz. vol. 187; p. 568.
- Oil, Refining crude cotton-seed. J. C. Chisholm. No. 1,056,261; Mar. 18; Gaz. vol. 188; p. 612.
- Oil, Refining crude cotton-seed. J. C. Chisholm. No. 1,056,262; Mar. 18; Gaz. vol. 188; p. 612.
- Oil, Refining crude cotton-seed. J. C. Chisholm. No. 1,056,263; Mar. 18; Gaz. vol. 188; p. 613.
- Oil, Refining crude cotton-seed. J. C. Chisholm. No. 1,056,264; Mar. 18; Gaz. vol. 188; p. 613.
- Oil-release, Automatic. L. D. Owrey. No. 1,062,411; May 20; Gaz. vol. 190; p. 705.
- Oil-release, Automatic. L. D. Owrey. No. 1,065,169; June 17; Gaz. vol. 191; p. 746.
- Oil-ring, Adjustable-feed. C. W. Eisenmann. No. 1,065,865; June 24; Gaz. vol. 191; p. 1020.
- Oil-separator. F. M. Strauss and L. Pesha. No. 1,049,547; Jan. 7; Gaz. vol. 186; p. 79.
- Oil-sprinkling apparatus. H. Topping. No. 1,052,025; Feb. 4; Gaz. vol. 187; p. 63.
- Oil-switch. E. H. Jacobs. No. 1,068,588; July 29; Gaz. vol. 192; p. 1059.
- Oil-tank, Knockdown. O. W. Maloney. No. 1,076,382; Oct. 21; Gaz. vol. 195; p. 672.
- Oil-tank, Safety. J. H. Smith. No. 1,060,643; May 6; Gaz. vol. 190; p. 27.
- Oil-tank safety apparatus. J. P. Miller. No. 1,059,191; Apr. 15; Gaz. vol. 189; p. 701.
- Oil, turpentine-oil, &c., Refining raw unrefined pine. J. Schindelmeyer. No. 1,068,174; July 22; Gaz. vol. 192; p. 877.
- Oil vaporizer and burner. G. Regondi. No. 1,053,874; Feb. 18; Gaz. vol. 187; p. 770.
- Oil vaporizer and burner. W. F. Schafer and J. H. Cook. No. 1,062,188; May 20; Gaz. vol. 190; p. 630.
- Oils and fats, Bleaching and thickening. O. Scherrieble. No. 1,079,727; Nov. 25; Gaz. vol. 196; p. 950.
- Oils and fats from oil-seeds and other vegetable raw materials containing oils and fats, Extracting. R. N. Riddle. No. 1,076,997; Oct. 28; Gaz. vol. 195; p. 943.
- Oils and fats, Obtaining sulfonated. R. Russ. No. 1,081,775; Dec. 16; Gaz. vol. 197; p. 701.
- Oils and the like, Clarifying system for. W. L. Morris. No. 1,056,928; Mar. 25; Gaz. vol. 188; p. 871.
- Oils, Apparatus for hydraulically storing and delivering hydrocarbon. W. G. Latimer. No. 1,065,452; June 24; Gaz. vol. 191; p. 880.
- Oils, &c., Catalyzer for hydrogenating. C. Ellis. No. 1,060,673; May 6; Gaz. vol. 190; p. 37.
- Oils from fullers' earth and like materials, Extracting. L. Felizat. No. 1,070,435; Aug. 19; Gaz. vol. 193; p. 534.
- Oils, &c., Making edible. C. Ellis. No. 1,052,469; Feb. 11; Gaz. vol. 187; p. 247.
- Oils, Refining and purifying. D. F. Lasher. No. 1,075,481; Oct. 14; Gaz. vol. 195; p. 336.
- Oils, Treating petroleum or other hydrocarbon. S. Wohle. No. 1,081,801; Dec. 16; Gaz. vol. 197; p. 710.
- Oils with gases, Apparatus for treating. C. Ellis. No. 1,071,221; Aug. 26; Gaz. vol. 193; p. 832.
- Oiler. K. A. Boggs. No. 1,080,320; Dec. 2; Gaz. vol. 197; p. 140.
- Oiler, Automatic car-. J. T. McReynolds. No. 1,053,740; Feb. 18; Gaz. vol. 187; p. 727.
- Oiler, Automatic windmill-. J. Boyd. No. 1,058,216; Apr. 8; Gaz. vol. 189; p. 326.
- Oiler, Engine-. C. E. Brooks. No. 1,053,939; Feb. 18; Gaz. vol. 187; p. 791.
- Oiler, Flange-. C. F. Hooper. No. 1,054,550; Feb. 25; Gaz. vol. 187; p. 1037.
- Oiler, Floor-. C. Arntt. No. 1,049,797; Jan. 7; Gaz. vol. 186; p. 163.
- Oiler, Force-feed. H. A. Stanford and G. Tugwell. No. 1,054,877; Mar. 4; Gaz. vol. 188; p. 78.
- Oiler, Handsaw-. L. W. Garner. No. 1,080,756; Dec. 9; Gaz. vol. 197; p. 323.
- Oiler, Saw-. O. M. Ries. No. 1,052,175; Feb. 4; Gaz. vol. 187; p. 115.
- Oiler, Spindle-. C. N. Armfield. No. 1,060,881; May 6; Gaz. vol. 190; p. 110.
- Oiler, Wheel-flange. T. Carrick and W. A. Baisley. No. 1,082,798; Dec. 30; Gaz. vol. 197; p. 1115.
- Oiling and greasing device, Automatic. W. B. Dillman. No. 1,056,890; Mar. 25; Gaz. vol. 188; p. 857.
- Oiling attachment for the axles of resilient wheels. A. Nelson. No. 1,076,513; Oct. 21; Gaz. vol. 195; p. 718.
- Oiling device. H. N. Motsinger. No. 1,067,670; July 15; Gaz. vol. 192; p. 675.
- Oiling device, Animal-. E. J. Smith. No. 1,057,588; Apr. 1; Gaz. vol. 189; p. 65.
- Oiling device, Track-. O. W. Jones. No. 1,054,000; Feb. 25; Gaz. vol. 187; p. 851.
- Oiling shaft-bearings, Device for. F. R. Ashton. No. 1,054,079; Feb. 25; Gaz. vol. 187; p. 876.
- Oiling system. L. Schwitzer. No. 1,055,668; Mar. 11; Gaz. vol. 188; p. 376.
- Oiling system, Engine-. E. M. White. No. 1,060,653; May 6; Gaz. vol. 190; p. 30.
- Oiling the flanges of car-wheels, Device for. Z. Tischer and C. T. Litchfield. No. 1,057,299; Mar. 25; Gaz. vol. 188; p. 997.
- Oilless spindle. N. Romano. No. 1,075,858; Oct. 14; Gaz. vol. 195; p. 463.
- Ointment containing colloidal compounds. C. Paal and C. Amberger. No. 1,077,854; Nov. 4; Gaz. vol. 196; p. 209.
- Oleaginous materials, Apparatus for treating. W. Merrill. No. 1,050,485; Jan. 14; Gaz. vol. 186; p. 433.
- 1-dimethylamino-2-methylbutene-3. G. Merling and H. Köhler. No. 1,065,159; June 17; Gaz. vol. 191; p. 743.
- 1-dimethylaminobutene-3 and making same. G. Merling and H. Köhler. No. 1,065,160; June 17; Gaz. vol. 191; p. 743.
- Operating adjustable table. G. Payne and W. J. Galbraith. No. 1,082,043; Dec. 23; Gaz. vol. 197; p. 821.
- Operating and locking apparatus. D. H. McClelland. No. 1,050,035; Jan. 7; Gaz. vol. 186; p. 243.
- Operating mechanism. J. Dietz. No. 1,073,409; Sept. 16; Gaz. vol. 194; p. 670.
- Operating or adjusting table. E. C. Adams. No. 1,065,199; June 17; Gaz. vol. 191; p. 755.
- Operating-table for animals. W. B. Higgason. No. 1,073,756; Sept. 23; Gaz. vol. 194; p. 813.
- Ophthalmoscope. H. L. De Zeng. No. 1,066,386; July 1; Gaz. vol. 192; p. 169.
- Opium alkaloids, Preparation of. K. F. M. Schaerges. No. 1,056,219; Mar. 18; Gaz. vol. 188; p. 597.
- Optical indicating apparatus. F. Sauvagé. No. 1,065,845; June 24; Gaz. vol. 191; p. 1013.
- Optical instrument. H. L. De Zeng. No. 1,059,715; Apr. 22; Gaz. vol. 189; p. 914.
- Optical instrument. G. N. Saegmuller. No. 1,060,131; Apr. 29; Gaz. vol. 189; p. 1094.
- Optical instrument. H. L. De Zeng. No. 1,068,226; July 22; Gaz. vol. 192; p. 896.
- Optical instrument. G. A. Rogers. No. 1,070,631; Aug. 19; Gaz. vol. 193; p. 601.
- Optical projecting apparatus. A. C. Roebuck. No. 1,060,128; Apr. 29; Gaz. vol. 189; p. 1093.
- Optical projecting apparatus. A. C. Roebuck. No. 1,064,010; June 10; Gaz. vol. 191; p. 322.
- Optical projecting apparatus. G. Appiani. No. 1,080,528; Dec. 9; Gaz. vol. 197; p. 243.
- Optical projection apparatus. A. T. Thompson. No. 1,076,077; Oct. 21; Gaz. vol. 195; p. 566.

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- Optical system. W. Churchill. No. 1,081,211; Dec. 9; Gaz. vol. 197; p. 474.
- Orchard-heater. W. F. Welty. No. 1,051,473; Jan. 28; Gaz. vol. 186; p. 837.
- Orchard-heater. J. L. Hamilton. No. 1,051,884; Feb. 4; Gaz. vol. 187; p. 12.
- Orchard-heater. J. L. Hamilton. No. 1,055,903; Mar. 11; Gaz. vol. 188; p. 455.
- Orchard-heater. E. W. Dunn. No. 1,063,422; June 3; Gaz. vol. 191; p. 85.
- Orchard-heater. J. L. Hamilton. No. 1,067,981; July 22; Gaz. vol. 192; p. 811.
- Orchard-heater. R. F. Cole. No. 1,071,704; Sept. 2; Gaz. vol. 194; p. 11.
- Orchard-heater. C. Byron and A. Armstrong. No. 1,072,082; Sept. 2; Gaz. vol. 194; p. 141.
- Orchard-heater. H. T. Libby. No. 1,072,242; Sept. 2; Gaz. vol. 194; p. 194.
- Orchard-heater. J. L. Hamilton. No. 1,074,791; Oct. 7; Gaz. vol. 195; p. 70.
- Orchard-heater. R. G. Smith and E. N. Percy. No. 1,077,009; Oct. 28; Gaz. vol. 195; p. 948.
- Orchard-heater. J. L. Hamilton. No. 1,079,645; Nov. 25; Gaz. vol. 196; p. 921.
- Orchard-heater. H. K. Fairall, J. D. Boley, and J. M. Cleghorn. No. 1,080,816; Dec. 9; Gaz. vol. 197; p. 346.
- Orchard-heater. T. Silk. No. 1,082,101; Dec. 23; Gaz. vol. 197; p. 841.
- Orchard-heater, Smokeless. S. Mochida. No. 1,071,942; Sept. 2; Gaz. vol. 194; p. 94.
- Orchards, Smudging apparatus for. Z. T. Bell. No. 1,054,897; Mar. 4; Gaz. vol. 188; p. 84.
- Ordinance. W. D. Smith. No. 1,055,819; Mar. 11; Gaz. vol. 188; p. 428.
- Ordinance. W. D. Smith. No. 1,055,820; Mar. 11; Gaz. vol. 188; p. 428.
- Ordinance. W. D. Smith. No. 1,055,821; Mar. 11; Gaz. vol. 188; p. 428.
- Ordinance. W. D. Smith. No. 1,055,822; Mar. 11; Gaz. vol. 188; p. 429.
- Ordinance. W. D. Smith. No. 1,073,298; Sept. 16; Gaz. vol. 194; p. 631.
- Ordinance. W. D. Smith. No. 1,073,299; Sept. 16; Gaz. vol. 194; p. 631.
- Ordinance, Breech-block-actuating gear for. A. T. Dawson and G. T. Buckham. No. 1,074,842; Oct. 7; Gaz. vol. 195; p. 86.
- Ordinance, Breech-loading. A. T. Dawson and G. T. Buckham. No. 1,064,197; June 10; Gaz. vol. 191; p. 387.
- Ordinance, Breech-loading. A. T. Dawson and G. T. Buckham. No. 1,067,720; July 15; Gaz. vol. 192; p. 691.
- Ordinance, Breech-loading. A. T. Dawson and G. T. Buckham. No. 1,072,435; Sept. 9; Gaz. vol. 194; p. 289.
- Ordinance breech mechanism. A. T. Dawson and G. T. Buckham. No. 1,080,268; Dec. 2; Gaz. vol. 197; p. 123.
- Ordinance-flushing devices, Valve-controlling mechanism for. W. D. Smith. No. 1,055,823; Mar. 11; Gaz. vol. 188; p. 429.
- Ordinance, Hang-fire device for breech-loading. A. T. Dawson and G. T. Buckham. No. 1,078,665; Nov. 18; Gaz. vol. 196; p. 552.
- Ordinance, Hang-fire device for breech-loading. A. T. Dawson and G. T. Buckham. No. 1,079,314; Nov. 18; Gaz. vol. 196; p. 776.
- Ordinance indicating or estimating mechanism. A. Barr and W. Stroud. No. 1,050,512; Jan. 14; Gaz. vol. 186; p. 442.
- Ordinance, Recoil and run-out gear of. A. T. Dawson and J. Horne. No. 1,074,541; Sept. 30; Gaz. vol. 194; p. 1101.
- Ordinance, Run-out gear of heavy. A. T. Dawson and J. Horne. No. 1,074,566; Sept. 30; Gaz. vol. 194; p. 1109.
- Ordinance sighting apparatus. A. T. Dawson and G. T. Buckham. No. 1,079,749; Nov. 25; Gaz. vol. 196; p. 960.
- Ordinance sighting device. B. Svistounoff. No. 1,058,272; Apr. 8; Gaz. vol. 189; p. 346.
- Ordinance, Traveling. N. Koch. No. 1,063,041; May 27; Gaz. vol. 190; p. 954.
- Ore-agitator. A. W. Warwick. No. 1,054,629; Feb. 25; Gaz. vol. 187; p. 1063.
- Ore and coal washer. H. W. Falker. No. 1,055,730; Mar. 11; Gaz. vol. 188; p. 396.
- Ore and like separating means. P. Jubien. No. 1,072,732; Sept. 9; Gaz. vol. 194; p. 391.
- Ore-breaker. J. F. Pharo. No. 1,058,789; Apr. 15; Gaz. vol. 189; p. 560.
- Ore by means of solid, carbonaceous material, Reducing. S. E. Sicurin. No. 1,054,873; Mar. 4; Gaz. vol. 188; p. 76.
- Ore-classifier. A. E. Wiggin and A. E. Wheeler. No. 1,058,828; Apr. 15; Gaz. vol. 189; p. 575.
- Ore-classifier. J. W. Shields and A. C. Thielmann. No. 1,073,367; Sept. 16; Gaz. vol. 194; p. 655.
- Ore classifier and jig, Combined. H. C. Gilbert. No. 1,055,737; Mar. 11; Gaz. vol. 188; p. 398.
- Ore-concentrating apparatus. P. H. Craven. No. 1,060,323; Apr. 29; Gaz. vol. 189; p. 1163.
- Ore-concentrating machine. G. W. Arnold. No. 1,081,421; Dec. 16; Gaz. vol. 197; p. 584.
- Ore concentration. H. H. Greenway and H. Lavers. No. 1,064,723; June 17; Gaz. vol. 191; p. 602.
- Ore concentration. E. H. Nutter and H. Lavers. No. 1,067,485; July 15; Gaz. vol. 192; p. 612.
- Ore concentration. G. A. Chapman and S. Tucker. No. 1,079,107; Nov. 18; Gaz. vol. 196; p. 707.
- Ore concentration, Apparatus for. J. Hebbard. No. 1,064,209; June 10; Gaz. vol. 191; p. 391.
- Ore-concentrator. J. S. Hunter. No. 1,051,412; Jan. 28; Gaz. vol. 186; p. 816.
- Ore-concentrator. J. F. Zlon. No. 1,052,301; Feb. 4; Gaz. vol. 187; p. 156.
- Ore-concentrator. C. W. Eccleston. No. 1,053,367; Feb. 18; Gaz. vol. 187; p. 598.
- Ore-concentrator. W. E. Ford. No. 1,060,333; Apr. 29; Gaz. vol. 189; p. 1166.
- Ore-concentrator. J. Weatherby. No. 1,071,839; Sept. 2; Gaz. vol. 194; p. 59.
- Ore-concentrator. H. E. Wood. No. 1,071,850; Sept. 2; Gaz. vol. 194; p. 62.
- Ore-concentrator. J. Weatherby. No. 1,071,975; Sept. 2; Gaz. vol. 194; p. 104.
- Ore-concentrator. M. L. Porter. No. 1,073,928; Sept. 23; Gaz. vol. 194; p. 870.
- Ore-concentrator. F. Picone. No. 1,076,700; Oct. 28; Gaz. vol. 195; p. 839.
- Ore-concentrator belt. P. H. Craven. No. 1,060,536; Apr. 29; Gaz. vol. 189; p. 1237.
- Ore-concentrator belt. P. H. Craven. No. 1,083,058; Dec. 30; Gaz. vol. 197; p. 1202.
- Ore-concentrator, Centrifugal. E. C. Latchem and L. W. Pollock. No. 1,080,223; Dec. 2; Gaz. vol. 197; p. 107.
- Ore-concentrator, Dry. W. E. Winnie and J. E. Seeley. No. 1,083,172; Dec. 30; Gaz. vol. 197; p. 1237.
- Ore crusher and pulverizer. G. A. Stanton. No. 1,068,539; July 29; Gaz. vol. 192; p. 1042.
- Ore crushing and concentrating plants, Treatment for the precipitation of ore values from the effluent waters of. A. G. French. No. 1,065,678; June 24; Gaz. vol. 191; p. 958.
- Ore feeder and sampler. W. L. Morehouse. No. 1,079,184; Nov. 18; Gaz. vol. 196; p. 735.
- Ore float-separator. R. H. Jeffrey. No. 1,052,061; Feb. 4; Gaz. vol. 187; p. 75.
- Ore-mill. G. R. Thurber. No. 1,059,089; Apr. 15; Gaz. vol. 189; p. 667.
- Ore mixing and separating apparatus. A. H. Smith. No. 1,058,111; Apr. 8; Gaz. vol. 189; p. 290.
- Ore-pulps, slimes, and the like, Apparatus for treating. B. MacDonald. No. 1,071,447; Aug. 26; Gaz. vol. 193; p. 906.
- Ore-reducing furnace. P. E. Peterson. No. 1,051,512; Jan. 28; Gaz. vol. 186; p. 850.
- Ore-reducing process. J. A. McLarty. No. 1,079,788; Nov. 25; Gaz. vol. 196; p. 974.
- Ore-roaster. G. A. Stanton. No. 1,056,376; Mar. 18; Gaz. vol. 188; p. 648.
- Ore-roasting furnace. J. B. F. Herreshoff. No. 1,066,110; July 1; Gaz. vol. 192; p. 73.
- Ore-sampling plant or apparatus. A. S. Clift. No. 1,062,636; May 27; Gaz. vol. 190; p. 821.
- Ore-separator. A. E. Bookwalter and M. A. Dorland. No. 1,058,349; Apr. 8; Gaz. vol. 189; p. 373.
- Ore-separator. G. W. Fisher. No. 1,061,830; May 13; Gaz. vol. 190; p. 467.
- Ore-separator. G. C. Kidder. No. 1,066,918; July 8; Gaz. vol. 192; p. 382.
- Ore-separator. H. J. Stewart and J. S. Tucker. No. 1,076,397; Oct. 21; Gaz. vol. 195; p. 677.
- Ore-separator. F. O. Stromborg. No. 1,078,520; Nov. 11; Gaz. vol. 196; p. 471.
- Ore-separator. A. M. Plumb. No. 1,079,362; Nov. 25; Gaz. vol. 196; p. 823.
- Ore-separator. C. H. Brown. No. 1,081,360; Dec. 16; Gaz. vol. 197; p. 564.
- Ore-separator, Dry. W. W. Bonson. No. 1,073,069; Sept. 9; Gaz. vol. 194; p. 514.
- Ore-separator, Electromagnetic. G. Rietkötter. No. 1,074,068; Sept. 23; Gaz. vol. 194; p. 916.
- Ore-separator, Hydraulic. T. O'Boyle, F. O'Brien, J. Ryan, and B. Thayer. No. 1,056,293; Mar. 18; Gaz. vol. 188; p. 622.
- Ore smelting and refining apparatus. E. Fink. No. 1,061,279; May 13; Gaz. vol. 190; p. 280.
- Ore, Treating. T. J. Lovett. (Reissue.) No. 13,518; Jan. 21; Gaz. vol. 186; p. 772.
- Ore-treating apparatus. D. C. Reinohl. No. 1,081,516; Dec. 16; Gaz. vol. 197; p. 617.
- Ore-treating furnace. J. A. Frey. No. 1,081,732; Dec. 16; Gaz. vol. 197; p. 685.
- Ore-treating machine. M. Quenner. No. 1,076,061; Oct. 21; Gaz. vol. 195; p. 561.
- Ore-treating process. T. J. Lovett. No. 1,071,763; Sept. 2; Gaz. vol. 194; p. 33.
- Ore values, Apparatus for concentration of. C. S. Bradley. No. 1,066,880; July 8; Gaz. vol. 192; p. 368.
- Ore-washing apparatus. H. A. Brackelsberg. No. 1,080,886; Dec. 9; Gaz. vol. 197; p. 369.

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- Ores and metallurgical products, Treating. W. Troeller. No. 1,068,611; July 29; Gaz. vol. 192; p. 1068.
- Ores and metals, Desulfurizing. A. E. Greene. No. 1,056,900; Mar. 25; Gaz. vol. 188; p. 861.
- Ores and other materials, Apparatus for magnetic separation of. G. Ullrich. No. 1,072,277; Sept. 2; Gaz. vol. 194; p. 205.
- Ores and recovering gases therefrom, Process and apparatus for roasting. F. von Schlippenbach. No. 1,069,191; Aug. 5; Gaz. vol. 193; p. 36.
- Ores and recovering zinc therefrom, Roasting. C. J. Reed. No. 1,069,179; Aug. 5; Gaz. vol. 193; p. 32.
- Ores and the like, Treating. N. C. Christensen, Jr. No. 1,058,034; Apr. 8; Gaz. vol. 189; p. 261.
- Ores and the like, Treating. N. C. Christensen, Jr. No. 1,075,011; Oct. 7; Gaz. vol. 195; p. 144.
- Ores, Apparatus for the treatment of. G. Mitchell. No. 1,074,282; Sept. 30; Gaz. vol. 194; p. 1017.
- Ores by a continuous process, Mechanical system for roasting sulfurous. X. de Spirlet. No. 1,077,010; Oct. 28; Gaz. vol. 195; p. 948.
- Ores, Chloridizing. A. D. Ledoux. No. 1,082,599; Dec. 30; Gaz. vol. 197; p. 1045.
- Ores, Concentration of. O. J. Adams. No. 1,070,313; Aug. 12; Gaz. vol. 193; p. 451.
- Ores, Desulfurizing. W. A. Hall. No. 1,083,246; Dec. 30; Gaz. vol. 197; p. 1262.
- Ores, Desulfurizing and briquetting. W. A. Hall. No. 1,083,252; Dec. 30; Gaz. vol. 197; p. 1264.
- Ores, Extracting values from. W. F. Bleeker. No. 1,065,581; June 24; Gaz. vol. 191; p. 924.
- Ores, Extracting values from. W. F. Bleeker. No. 1,068,730; July 29; Gaz. vol. 192; p. 1109.
- Ores, flue-dust, and the like, Utilizing fine. H. C. Wolle and E. F. Kenney. No. 1,073,381; Sept. 16; Gaz. vol. 194; p. 660.
- Ores for separating precious metals, Treating. D. C. Reinohl. No. 1,081,514; Dec. 16; Gaz. vol. 197; p. 616.
- Ores in preparation for magnetic separation, Apparatus for treating. J. B. Etherington. No. 1,051,494; Jan. 28; Gaz. vol. 186; p. 844.
- Ores or their concentrates, Treating complex. W. M. Martin. No. 1,066,829; July 8; Gaz. vol. 192; p. 351.
- Ores or their concentrates, Treating complex. W. M. Martin. No. 1,066,830; July 8; Gaz. vol. 192; p. 352.
- Ores out of slimes, Magnetic separation of. B. Schwerin. No. 1,063,893; June 3; Gaz. vol. 191; p. 247.
- Ores preparatory to magnetic separation, Treating. J. B. Etherington. No. 1,053,486; Feb. 18; Gaz. vol. 187; p. 639.
- Ores, Process and apparatus for classifying crushed. W. F. Deister. No. 1,071,715; Sept. 2; Gaz. vol. 194; p. 15.
- Ores, Process and apparatus for treating sulfid. E. E. Banes. No. 1,073,462; Sept. 16; Gaz. vol. 194; p. 688.
- Ores, Reduction of. G. F. Rendall. No. 1,053,436; Feb. 18; Gaz. vol. 187; p. 622.
- Ores, Roasting fine. W. Buddeus. No. 1,079,897; Nov. 25; Gaz. vol. 196; p. 1011.
- Ores, Separation of complex. W. M. Martin. No. 1,066,828; July 8; Gaz. vol. 192; p. 351.
- Ores, &c., Treating. A. Günzel. No. 1,053,381; Feb. 18; Gaz. vol. 187; p. 602.
- Ores, Treating. C. Schick. No. 1,055,495; Mar. 11; Gaz. vol. 188; p. 320.
- Ores, Treating. C. C. Titus and W. J. Barendseer. No. 1,069,498; Aug. 5; Gaz. vol. 193; p. 143.
- Ores, Treating. F. W. Pugsley. No. 1,071,791; Sept. 2; Gaz. vol. 194; p. 44.
- Ores, Treating. J. A. McLarty. No. 1,072,752; Sept. 9; Gaz. vol. 194; p. 399.
- Ores, Treating. J. A. McLarty. No. 1,072,753; Sept. 9; Gaz. vol. 194; p. 399.
- Ores, Treating. E. Langguth. No. 1,078,360; Nov. 11; Gaz. vol. 196; p. 418.
- Ores, Treating metal-carrying. I. Kitsee. No. 1,082,596; Dec. 30; Gaz. vol. 197; p. 1044.
- Ores, Treatment and separation of complex sulfid. T. R. Forland. No. 1,078,779; Nov. 18; Gaz. vol. 196; p. 595.
- Ores, Treatment of. N. H. M. Dekker. No. 1,075,409; Oct. 14; Gaz. vol. 195; p. 311.
- Organ. E. Dallwig. No. 1,071,888; Sept. 2; Gaz. vol. 194; p. 76.
- Organ, Autopneumatic. C. C. Russell. No. 1,070,739; Aug. 19; Gaz. vol. 193; p. 638.
- Organ-coupler. W. E. Haskell. No. 1,078,851; Nov. 18; Gaz. vol. 196; p. 618.
- Organ-coupler. W. E. Haskell. No. 1,078,852; Nov. 18; Gaz. vol. 196; p. 619.
- Organ-coupler. J. Schwertner. No. 1,082,655; Dec. 30; Gaz. vol. 197; p. 1064.
- Organ-pipe. R. Y. Barrows. No. 1,063,239; June 3; Gaz. vol. 191; p. 24.
- Organ-pipe. R. Y. Barrows. No. 1,074,768; Oct. 7; Gaz. vol. 195; p. 63.
- Organ-pipe. R. Y. Barrows. No. 1,075,682; Oct. 14; Gaz. vol. 195; p. 404.
- Organ pipes, Tuning device for reed. R. Hope-Jones. No. 1,061,380; May 13; Gaz. vol. 190; p. 314.
- Organ, Reed. W. F. Bultmann. No. 1,053,273; Feb. 18; Gaz. vol. 187; p. 565.
- Organ, Reed. O. H. Rue. No. 1,083,144; Dec. 30; Gaz. vol. 197; p. 1230.
- Organ stop-action, Combination. J. T. Austin. No. 1,078,078; Nov. 11; Gaz. vol. 196; p. 319.
- Organ stop-action, Combination. J. T. Austin. No. 1,078,079; Nov. 11; Gaz. vol. 196; p. 319.
- Organ stop mechanism. R. Hope-Jones. No. 1,077,075; Oct. 28; Gaz. vol. 195; p. 969.
- Organ-swell. R. Hope-Jones. No. 1,062,711; May 27; Gaz. vol. 190; p. 845.
- Organ-tuner's keyboard-player. M. J. Olson. No. 1,051,156; Jan. 21; Gaz. vol. 186; p. 697.
- Organ-valve. W. E. Pilcher. No. 1,067,545; July 15; Gaz. vol. 192; p. 632.
- Organs, Air-compressor for blowing. H. Swanton. No. 1,058,491; Apr. 8; Gaz. vol. 189; p. 421.
- Organs, Air-regulator for. P. O. Boeske. No. 1,074,486; Sept. 30; Gaz. vol. 194; p. 1084.
- Organs, Electropneumatic swell-pedal action for pipe. E. M. Skinner. No. 1,076,069; Oct. 21; Gaz. vol. 195; p. 564.
- Organs, Swell-shade action for self-playing. H. G. Kinder. No. 1,058,870; Apr. 15; Gaz. vol. 189; p. 589.
- Organic and inorganic materials, Treating. J. A. McLarty. No. 1,072,751; Sept. 9; Gaz. vol. 194; p. 398.
- Orthopedic brace. E. Mueller. No. 1,058,322; Apr. 8; Gaz. vol. 189; p. 364.
- Oscillatable members, Support for. R. C. Leake. No. 1,071,761; Sept. 2; Gaz. vol. 194; p. 32.
- Oscillating engine. P. L. Crowe. No. 1,066,470; July 8; Gaz. vol. 192; p. 226.
- Oscillation-control mechanism. H. D. Williams and R. Janney. No. 1,062,561; May 20; Gaz. vol. 190; p. 753.
- Oscillations by shock excitation, Means for producing slightly-damped. A. Meissner. No. 1,077,733; Nov. 4; Gaz. vol. 196; p. 167.
- Osteopathic table. J. V. McManis and W. L. Sherwood. No. 1,062,489; May 20; Gaz. vol. 190; p. 730.
- Outing-suit, Woman's. F. Bolton. No. 1,076,264; Oct. 21; Gaz. vol. 195; p. 629.
- Outlet-box. A. I. Appleton. No. 1,051,942; Feb. 4; Gaz. vol. 187; p. 33.
- Outlet-box. W. H. Hope. No. 1,072,462; Sept. 9; Gaz. vol. 194; p. 299.
- Outlet-box. E. W. Buffington. No. 1,081,947; Dec. 23; Gaz. vol. 197; p. 786.
- Outlet-box bracket. J. C. Caine. No. 1,066,706; July 8; Gaz. vol. 192; p. 311.
- Outlet-box, Electric. A. I. Appleton. No. 1,052,642; Feb. 11; Gaz. vol. 187; p. 305.
- Outlet-box, Self-adjusting. O. F. Dubruel. No. 1,058,851; Apr. 15; Gaz. vol. 189; p. 583.
- Outlet-box support. C. C. Buckels. No. 1,056,498; Mar. 18; Gaz. vol. 188; p. 693.
- Outlet-boxes, Panel-board support for. W. F. O'Neill. No. 1,065,388; June 24; Gaz. vol. 191; p. 857.
- Outlet-gate. T. F. Hornung. No. 1,064,908; June 17; Gaz. vol. 191; p. 661.
- Oven. J. W. Williams. No. 1,056,077; Mar. 18; Gaz. vol. 188; p. 549.
- Oven. J. Lawrence. No. 1,069,441; Aug. 5; Gaz. vol. 193; p. 124.
- Oven. H. G. Howell. No. 1,072,231; Sept. 2; Gaz. vol. 194; p. 190.
- Oven. V. V. Bolls and E. R. Crooker. No. 1,075,810; Oct. 14; Gaz. vol. 195; p. 447.
- Oven. K. Webb. No. 1,081,475; Dec. 16; Gaz. vol. 197; p. 602.
- Oven, Adjustable. M. Dexter and J. L. Duke. No. 1,082,414; Dec. 23; Gaz. vol. 197; p. 948.
- Oven and the like, Baker's. G. F. Humphrey. No. 1,060,841; May 6; Gaz. vol. 190; p. 96.
- Oven, Bake. J. Faulds. No. 1,078,667; Nov. 18; Gaz. vol. 196; p. 553.
- Oven, Baking. J. McAdams. No. 1,078,367; Nov. 11; Gaz. vol. 196; p. 421.
- Oven-burner-controlling device. W. L. Mersfelder. No. 1,049,588; Jan. 7; Gaz. vol. 186; p. 93.
- Oven, Chamber. A. Gohmann. No. 1,072,223; Sept. 2; Gaz. vol. 194; p. 188.
- Oven, Chamber. A. Gohmann. No. 1,079,003; Nov. 18; Gaz. vol. 196; p. 671.
- Oven-closing means. H. Koppers. No. 1,080,916; Dec. 9; Gaz. vol. 197; p. 379.
- Oven construction, Electrically-heated. L. G. Copeman. No. 1,050,105; Jan. 14; Gaz. vol. 186; p. 301.
- Oven-door. W. Feicks. No. 1,056,270; Mar. 18; Gaz. vol. 188; p. 615.
- Oven-door. L. Moore. No. 1,066,517; July 8; Gaz. vol. 192; p. 243.
- Oven-door, Self-closing. J. Scanlan. No. 1,064,861; June 17; Gaz. vol. 191; p. 647.
- Oven, Drying. E. C. Wiley. No. 1,067,087; July 8; Gaz. vol. 192; p. 437.
- Oven, Portable. A. J. Ross and T. E. Fry. No. 1,071,092; Aug. 26; Gaz. vol. 193; p. 788.
- Oven, Portable. C. O. Woodrow. No. 1,076,731; Oct. 28; Gaz. vol. 195; p. 849.

Alphabetical list of inventions—Continued.

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- Oven rack or broiler. R. W. Taylor and R. E. Frobenius. No. 1,066,552; July 8; Gaz. vol. 192; p. 255.
- Oven, Upright-chamber. A. Gohmann. No. 1,058,744; Apr. 15; Gaz. vol. 189; p. 545.
- Oven, Withdrawing skeleton. S. R. Christian. No. 1,063,183; June 3; Gaz. vol. 191; p. 5.
- Ovens, Coal-leveling device for beehive-. W. Sangster. No. 1,067,199; July 8; Gaz. vol. 192; p. 447.
- Ovens, Coal-leveling machine for beehive-. J. H. Huhn. No. 1,074,119; Sept. 30; Gaz. vol. 194; p. 963.
- Ovens, Lighting device for gas-burners of. A. C. Mott, Jr. No. 1,072,349; Sept. 2; Gaz. vol. 194; p. 229.
- Overalls. T. W. Vance. No. 1,071,483; Aug. 26; Gaz. vol. 193; p. 918.
- Overboot, Protective. M. W. Murray. No. 1,075,930; Oct. 14; Gaz. vol. 195; p. 489.
- Overcoat. M. Friedman. No. 1,052,475; Feb. 11; Gaz. vol. 187; p. 249.
- Overhead lines, Anchor structure for. T. Varney. No. 1,078,647; Nov. 18; Gaz. vol. 196; p. 546.
- Overhead switch. C. K. Murray. No. 1,078,945; Nov. 18; Gaz. vol. 196; p. 649.
- Overhead switch and automatic trolley-stop. W. Rothe. No. 1,068,277; July 22; Gaz. vol. 192; p. 914.
- Overload device. H. R. Canfield. No. 1,074,602; Oct. 7; Gaz. vol. 195; p. 5.
- Overseaming mechanism. J. E. Fefel. No. 1,067,419; July 15; Gaz. vol. 192; p. 589.
- Overshoe. M. H. Siegel. No. 1,068,942; July 29; Gaz. vol. 192; p. 1185.
- Overshoe. F. D. Shook. No. 1,071,960; Sept. 2; Gaz. vol. 194; p. 99.
- Overshoe. H. C. Grimm. No. 1,072,225; Sept. 2; Gaz. vol. 194; p. 188.
- Overshoe-holder. E. J. Akins. No. 1,057,108; Mar. 25; Gaz. vol. 188; p. 934.
- Overshoe holder or clamp. C. R. Schuey. No. 1,079,149; Nov. 18; Gaz. vol. 196; p. 722.
- Overshoe-retainer. H. J. McGee. No. 1,049,892; Jan. 7; Gaz. vol. 186; p. 194.
- Overshoes and rubbers, Retainer for. V. Reynolds. No. 1,078,109; Nov. 11; Gaz. vol. 196; p. 330.
- Oxalates, Making. A. Hempel. No. 1,070,806; Aug. 19; Gaz. vol. 193; p. 660.
- Oxalates, Manufacture of. L. W. Andrews. No. 1,065,577; June 24; Gaz. vol. 191; p. 923.
- Oxid, Reduction of stannic. Z. Metzl. No. 1,053,624; Feb. 18; Gaz. vol. 187; p. 685.
- Oxidizing sulfite by means of air or other oxidizing-gas. E. Collett. No. 1,076,747; Oct. 28; Gaz. vol. 195; p. 855.
- Oxycarboxydiarylcarbinols, Manufacture and production of. M. Weiler. No. 1,082,574; Dec. 30; Gaz. vol. 197; p. 1036.
- Oxygen and hydrogen, Electrolytic device for generating. R. Moritz. (Reissue.) No. 1,3,643; Nov. 11; Gaz. vol. 196; p. 500.
- Oxygen bath. L. Sarason and E. Franke. No. 1,057,281; Mar. 25; Gaz. vol. 188; p. 992.
- Oxygen-generator. A. C. McGee. No. 1,066,743; July 8; Gaz. vol. 192; p. 324.
- Oyster-can, Vacuum-insulated. L. R. Steel. No. 1,067,070; July 8; Gaz. vol. 192; p. 432.
- Oyster-dredging machine. N. A. Lybeck. No. 1,070,271; Aug. 12; Gaz. vol. 193; p. 436.
- Oyster-opener. H. F. Schmidt. No. 1,071,352; Aug. 26; Gaz. vol. 193; p. 875.
- Oyster-shucking machine. L. Savio. No. 1,060,502; Apr. 29; Gaz. vol. 189; p. 1225.
- Ozonator. M. W. Franklin. No. 1,064,065; June 10; Gaz. vol. 191; p. 340.
- Ozone and separating gases, Producing. H. Dumars. No. 1,074,106; Sept. 30; Gaz. vol. 194; p. 959.
- Ozone, Apparatus and method for the production of. J. Steynis. No. 1,066,674; July 8; Gaz. vol. 192; p. 298.
- Ozone-generator. A. E. Walden. No. 1,050,260; Jan. 14; Gaz. vol. 186; p. 352.
- Ozone-generator. A. L. Van Patten. No. 1,060,651; May 6; Gaz. vol. 190; p. 29.
- Ozone-generator. W. O. Freet. No. 1,066,484; July 8; Gaz. vol. 192; p. 231.
- Ozone-producing apparatus. S. Held. No. 1,056,789; Mar. 25; Gaz. vol. 188; p. 823.
- Ozone-producing machine. D. C. Smith and F. M. Hummel. No. 1,063,167; May 27; Gaz. vol. 190; p. 996.
- Ozonids and their production, Gaseous. W. J. Knox. No. 1,081,617; Dec. 16; Gaz. vol. 197; p. 648.
- Ozonizer. C. F. Wallace. No. 1,059,014; Apr. 15; Gaz. vol. 189; p. 642.
- Ozonizer. N. M. Hopkins. No. 1,062,974; May 27; Gaz. vol. 190; p. 931.
- Ozonizer. E. C. Spurge. No. 1,071,476; Aug. 26; Gaz. vol. 193; p. 916.
- Ozonizer. F. H. Richards. No. 1,074,462; Sept. 30; Gaz. vol. 194; p. 1077.
- Package. T. W. S. Phillips. No. 1,060,626; May 6; Gaz. vol. 190; p. 21.
- Package. F. Emmons. No. 1,061,531; May 13; Gaz. vol. 190; p. 369.
- Package. J. F. Dixon. No. 1,078,263; Nov. 11; Gaz. vol. 196; p. 382.
- Package and bottle lifter. W. Agin. No. 1,051,374; Jan. 21; Gaz. vol. 186; p. 770.
- Package-capping machine. J. R. Harbeck. No. 1,080,277; Dec. 2; Gaz. vol. 197; p. 126.
- Package-carrier. B. J. Shaffer. No. 1,065,972; July 1; Gaz. vol. 192; p. 24.
- Package-fastener. J. F. Bjurlund. No. 1,076,740; Oct. 28; Gaz. vol. 195; p. 852.
- Package-filling machine. T. B. Lundin. No. 1,067,994; July 22; Gaz. vol. 192; p. 816.
- Package-filling machines, Automatic cut-off for. B. B. Hogaboom. No. 1,058,305; Apr. 8; Gaz. vol. 189; p. 356.
- Package for food products or the like. A. J. Howell. No. 1,057,552; Apr. 1; Gaz. vol. 189; p. 52.
- Package for materials liable to be injured by exposure. W. Alexander. No. 1,061,439; May 13; Gaz. vol. 190; p. 335.
- Package-forming machine. G. L. Langer. No. 1,052,006; Feb. 4; Gaz. vol. 187; p. 56.
- Package-forming means. C. W. Dohm. No. 1,076,199; Oct. 21; Gaz. vol. 195; p. 608.
- Package-holder. F. Johanyak. No. 1,079,769; Nov. 25; Gaz. vol. 196; p. 967.
- Package, Knockdown shipping-. G. S. Bowman. No. 1,062,878; May 27; Gaz. vol. 190; p. 900.
- Package, Metallic. L. Bauroth. No. 1,063,152; May 27; Gaz. vol. 190; p. 990.
- Package of commodity. J. O. E. Krohn. No. 1,052,594; Feb. 11; Gaz. vol. 187; p. 288.
- Package partition, Shipping-. R. J. McGhee and C. E. Anderson. No. 1,065,157; June 17; Gaz. vol. 191; p. 742.
- Package, Reinforced. H. C. Herr. No. 1,075,418; Oct. 14; Gaz. vol. 195; p. 314.
- Package, Sealed sanitary. M. Macmillan. No. 1,050,555; Jan. 14; Gaz. vol. 186; p. 457.
- Package-securing device. R. Weyrich. No. 1,068,029; July 22; Gaz. vol. 192; p. 828.
- Package-tie. D. Comfort. No. 1,066,082; July 1; Gaz. vol. 192; p. 63.
- Package-tier. J. D. Morrison. No. 1,069,567; Aug. 5; Gaz. vol. 193; p. 165.
- Package-tier. G. A. Roberts. No. 1,079,882; Nov. 25; Gaz. vol. 196; p. 1004.
- Packages, Machinery for production of liquid and moisture proof. H. S. Wilson. No. 1,070,933; Aug. 19; Gaz. vol. 193; p. 699.
- Packaging articles, Machine for. M. Kirshner. No. 1,058,307; Apr. 8; Gaz. vol. 189; p. 357.
- Packaging device, Letter-. O. S. Ellis. No. 1,052,906; Feb. 11; Gaz. vol. 187; p. 396.
- Packaging-machine. A. W. Livingston. No. 1,059,942; Apr. 22; Gaz. vol. 189; p. 987.
- Packaging materials, Machine for. G. W. Gwinn. No. 1,058,579; Apr. 8; Gaz. vol. 189; p. 450.
- Packaging powders. I. Z. Garfield. No. 1,066,266; July 1; Gaz. vol. 192; p. 130.
- Packer. L. G. Sieber. No. 1,062,741; May 27; Gaz. vol. 190; p. 854.
- Packer. J. B. Cornwall. No. 1,077,808; Nov. 4; Gaz. vol. 196; p. 194.
- Packer, Detachable surface-. N. Bingham. No. 1,054,899; Mar. 4; Gaz. vol. 188; p. 84.
- Packer, Subsoil-. W. S. Moon. No. 1,071,075; Aug. 26; Gaz. vol. 193; p. 782.
- Packet, Emergency-. W. V. Gage. No. 1,060,075; Apr. 29; Gaz. vol. 189; p. 1076.
- Packing. W. W. Spadone. No. 1,064,022; June 10; Gaz. vol. 191; p. 327.
- Packing. W. Coy. No. 1,067,000; July 8; Gaz. vol. 192; p. 409.
- Packing. J. Hahn. No. 1,068,337; July 22; Gaz. vol. 192; p. 936.
- Packing. F. Hodgkinson. No. 1,070,809; Aug. 19; Gaz. vol. 193; p. 660.
- Packing. A. L. Cole. No. 1,078,333; Nov. 11; Gaz. vol. 196; p. 408.
- Packing. D. E. Cota. No. 1,079,976; Dec. 2; Gaz. vol. 197; p. 19.
- Packing and making same. W. R. Haggart. No. 1,076,282; Oct. 21; Gaz. vol. 195; p. 636.
- Packing and making same, Rod-. A. McLean. No. 1,082,890; Dec. 30; Gaz. vol. 197; p. 1147.
- Packing and shipping case. J. Gell. No. 1,051,572; Jan. 28; Gaz. vol. 186; p. 871.
- Packing, Automatic. G. A. Wismer. No. 1,052,705; Feb. 11; Gaz. vol. 187; p. 325.
- Packing-box. W. T. Snell. No. 1,057,363; Mar. 25; Gaz. vol. 188; p. 1017.
- Packing-box. G. J. Leavitt. No. 1,076,434; Oct. 21; Gaz. vol. 195; p. 691.
- Packing-case. J. N. Hahn. No. 1,059,359; Apr. 22; Gaz. vol. 189; p. 794.
- Packing-case. H. L. Roberts. No. 1,071,090; Aug. 26; Gaz. vol. 193; p. 787.

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- Packing-case. G. Klenk. No. 1,081,674; Dec. 16; Gaz. vol. 197; p. 665.
- Packing-case for bottled goods and the like. F. Ruhnau. No. 1,054,035; Feb. 25; Gaz. vol. 187; p. 862.
- Packing-case, Wooden. B. Justen. No. 1,077,834; Nov. 4; Gaz. vol. 196; p. 203.
- Packing, Elastic-fluid. S. Bondy. No. 1,061,657; May 13; Gaz. vol. 190; p. 413.
- Packing-expander. G. F. De Wein. No. 1,079,404; Nov. 25; Gaz. vol. 196; p. 838.
- Packing, Expansible metallic. R. H. Matters. No. 1,053,194; Feb. 18; Gaz. vol. 187; p. 537.
- Packing for oil-well tubings, Sucker-rod. C. A. Waltz. No. 1,060,961; May 6; Gaz. vol. 190; p. 138.
- Packing for steam-engines, Piston-. C. H. Pollard. No. 1,055,222; Mar. 4; Gaz. vol. 188; p. 190.
- Packing for stuffing-boxes. F. S. Hirschfeld. No. 1,076,119; Oct. 21; Gaz. vol. 195; p. 582.
- Packing, Frictionless liquid-. G. E. Miller and E. B. Cantrell. No. 1,057,656; Apr. 1; Gaz. vol. 189; p. 89.
- Packing-gland. W. J. A. London. No. 1,058,075; Apr. 8; Gaz. vol. 189; p. 277.
- Packing-joint. F. M. Prather. No. 1,061,633; May. 13; Gaz. vol. 190; p. 404.
- Packing, Labyrinth-. L. Cubelic. No. 1,049,811; Jan. 7; Gaz. vol. 186; p. 168.
- Packing-machine. J. Hoehenauer. No. 1,081,742; Dec. 16; Gaz. vol. 197; p. 688.
- Packing material. A. S. Miller. No. 1,059,061; Apr. 15; Gaz. vol. 189; p. 656.
- Packing mechanism. C. O. Liljeros. No. 1,050,476; Jan. 14; Gaz. vol. 186; p. 430.
- Packing, Metallic. C. A. Munson. No. 1,059,683; Apr. 22; Gaz. vol. 189; p. 904.
- Packing, Metallic. C. L. Cook. No. 1,066,711; July 8; Gaz. vol. 192; p. 312.
- Packing, Metallic. V. E. and R. G. Nelson. No. 1,068,157; July 22; Gaz. vol. 192; p. 872.
- Packing, Metallic. J. H. Van Deventer. No. 1,070,087; Aug. 12; Gaz. vol. 193; p. 373.
- Packing, Metallic. W. Sudekum. No. 1,074,662; Oct. 7; Gaz. vol. 195; p. 27.
- Packing, Metallic rod-. J. W. Stickley. No. 1,050,870; Jan. 21; Gaz. vol. 186; p. 597.
- Packing, Metallic rod-. C. W. G. King. No. 1,052,726; Feb. 11; Gaz. vol. 187; p. 331.
- Packing of pistons, plungers, &c. H. P. Owen. No. 1,060,622; May 6; Gaz. vol. 190; p. 20.
- Packing or shipping box. J. H. Mills. No. 1,077,890; Nov. 4; Gaz. vol. 196; p. 223.
- Packing, Piston-. C. White. No. 1,064,269; June 10; Gaz. vol. 191; p. 411.
- Packing, Piston-. H. R. Edgecomb. No. 1,075,468; Oct. 14; Gaz. vol. 195; p. 331.
- Packing, Piston-. G. Christenson. No. 1,076,269; Oct. 21; Gaz. vol. 195; p. 631.
- Packing, Piston-. H. A. Hoke and C. J. Barley. No. 1,082,523; Dec. 30; Gaz. vol. 197; p. 1017.
- Packing, Piston-rod. A. Naekkel. No. 1,072,975; Sept. 9; Gaz. vol. 194; p. 481.
- Packing, Plastic. F. A. Dailey. No. 1,056,010; Mar. 18; Gaz. vol. 188; p. 526.
- Packing-press and barrel-header. A. S. Hanger. No. 1,055,630; Mar. 11; Gaz. vol. 188; p. 363.
- Packing pulverulent, granular, and other substances. A. A. Kelly. No. 1,077,835; Nov. 4; Gaz. vol. 196; p. 203.
- Packing-ring. A. Wenzel. No. 1,064,799; June 17; Gaz. vol. 191; p. 626.
- Packing-ring. L. E. McQuay and W. K. Norris. No. 1,071,647; Aug. 26; Gaz. vol. 193; p. 972.
- Packing-ring. A. W. Wenzel. No. 1,074,675; Oct. 7; Gaz. vol. 195; p. 31.
- Packing-ring. J. C. Steinbrueck. No. 1,083,151; Dec. 30; Gaz. vol. 197; p. 1231.
- Packing-ring, Metal. G. Huhn. No. 1,079,857; Nov. 25; Gaz. vol. 196; p. 996.
- Packing-ring, Metallic. J. J. Clark. No. 1,060,586; May 6; Gaz. vol. 190; p. 8.
- Packing-ring, Piston. N. D. Hamel. No. 1,062,095; May 20; Gaz. vol. 190; p. 599.
- Packing-ring, Piston. W. G. Dodd. No. 1,064,300; June 10; Gaz. vol. 191; p. 422.
- Packing-ring, Piston-rod. C. R. Bryant. No. 1,072,306; Sept. 2; Gaz. vol. 194; p. 215.
- Packing-rings or the like, Tool for removing or inserting piston. J. Komancsek. No. 1,079,564; Nov. 25; Gaz. vol. 196; p. 893.
- Packing, Rod-. G. W. Loughton. No. 1,050,219; Jan. 14; Gaz. vol. 186; p. 339.
- Packing, Rod-. A. K. Waycott. No. 1,072,679; Sept. 9; Gaz. vol. 194; p. 374.
- Packing, Rotary-valve. E. H. Tartrais. No. 1,057,297; Mar. 25; Gaz. vol. 188; p. 997.
- Packing, Shaft-. J. Wilkinson. No. 1,063,633; June 3; Gaz. vol. 191; p. 160.
- Packing, Shaft-. O. Dahlke. No. 1,080,751; Dec. 9; Gaz. vol. 197; p. 321.
- Packing, Sheet-. J. S. Hettinger. No. 1,068,585; July 29; Gaz. vol. 192; p. 1058.
- Packing-shield, Hydraulic. C. H. Watts. No. 1,073,550; Sept. 16; Gaz. vol. 194; p. 718.
- Packing, Stuffing-box. J. Walker. No. 1,050,184; Jan. 14; Gaz. vol. 186; p. 327.
- Packing-wrench. J. H. Fesler. No. 1,065,437; June 24; Gaz. vol. 191; p. 875.
- Pad: See Bridge-collar pad; Collar-pad; Counter-pad; Desk-pad; Dress-pad; Electrically-heated pad; Furniture packing-pad; Harness back-pad; Heating-pad; Hoof-pad; Horseshoe-pad; Ink-pad; Ironing-pad; Jewelry-box pad; Knee-pad; Powder-pad; Toilet-pad; Tooth-pad; Truss-pad.
- Pad. G. S. MacMillan. No. 1,077,537; Nov. 4; Gaz. vol. 196; p. 105.
- Padlock. A. H. Peck and E. J. Shipman. No. 1,051,442; Jan. 28; Gaz. vol. 186; p. 826.
- Padlock. A. A. Page. No. 1,052,746; Feb. 11; Gaz. vol. 187; p. 338.
- Padlock. F. Soley. No. 1,056,599; Mar. 18; Gaz. vol. 188; p. 728.
- Padlock. H. Hanflig. No. 1,058,861; Apr. 15; Gaz. vol. 189; p. 586.
- Padlock. F. Soley. No. 1,060,510; Apr. 29; Gaz. vol. 189; p. 1227.
- Padlock. P. S. Wiseman. No. 1,081,710; Dec. 16; Gaz. vol. 197; p. 678.
- Padlock. R. A. Borsky. No. 1,081,808; Dec. 16; Gaz. vol. 197; p. 712.
- Padlock, Combination-. J. Hansen and P. Olsen. No. 1,056,667; Mar. 18; Gaz. vol. 188; p. 750.
- Padlock, Permutation-. M. J. Lovett. No. 1,051,139; Jan. 21; Gaz. vol. 186; p. 691.
- Padlock, Permutation-. R. M. Takimoto. No. 1,052,627; Feb. 11; Gaz. vol. 187; p. 300.
- Padlock, Permutation-. J. T. B. Williams. No. 1,074,029; Sept. 23; Gaz. vol. 194; p. 904.
- Padlock, Permutation-. R. Drummond. No. 1,081,218; Dec. 9; Gaz. vol. 197; p. 477.
- Page-clamp. M. J. Nevius and J. H. Wilkins. No. 1,062,659; May 27; Gaz. vol. 190; p. 828.
- Page or stub clamp. J. P. Knowles. No. 1,067,927; July 22; Gaz. vol. 192; p. 793.
- Pail. J. L. McLaughlin. No. 1,050,156; Jan. 14; Gaz. vol. 186; p. 318.
- Pail. P. G. Peterson. No. 1,051,256; Jan. 21; Gaz. vol. 186; p. 730.
- Pail. H. L. Winslow. No. 1,080,668; Dec. 9; Gaz. vol. 197; p. 291.
- Pail attachment, Milk-. J. A. Blair. No. 1,062,532; May 20; Gaz. vol. 190; p. 742.
- Pail cover, Milk-. C. W. Hudson. No. 1,062,650; May 27; Gaz. vol. 190; p. 826.
- Pail, Dinner-. L. J. Knittel. No. 1,058,601; Apr. 8; Gaz. vol. 189; p. 457.
- Pail, Dinner-. C. H. Stone. No. 1,065,633; June 24; Gaz. vol. 191; p. 942.
- Pail, Dinner-. S. Phelps. No. 1,069,462; Aug. 5; Gaz. vol. 193; p. 131.
- Pail heater, Dinner-. V. Aufenast. No. 1,051,186; Jan. 21; Gaz. vol. 186; p. 707.
- Pail holder, Milk-. C. Ekvall. No. 1,067,168; July 8; Gaz. vol. 192; p. 466.
- Pail, Milk-. J. H. King. No. 1,060,100; Apr. 29; Gaz. vol. 189; p. 1083.
- Pail, Milking-. R. Eichloff. No. 1,051,871; Feb. 4; Gaz. vol. 187; p. 8.
- Pail, Milking-. H. Sanborn. No. 1,057,459; Apr. 1; Gaz. vol. 189; p. 22.
- Pail, Milking-. C. S. Moore. No. 1,066,135; July 1; Gaz. vol. 192; p. 82.
- Pail, Milking-. W. B. Herd. No. 1,068,900; July 29; Gaz. vol. 192; p. 1170.
- Pail, Milking-. H. C. L. Christophersen. No. 1,076,348; Oct. 21; Gaz. vol. 195; p. 661.
- Pail, Shower-bath. R. E. Jones. No. 1,078,355; Nov. 11; Gaz. vol. 196; p. 417.
- Pails or vessels, Machine for attaching bail-cars to sheet-metal. S. Tevander. No. 1,072,790; Sept. 9; Gaz. vol. 194; p. 412.
- Paint and varnish remover. H. B. Chalmers. No. 1,066,251; July 1; Gaz. vol. 192; p. 124.
- Paint and varnish remover. H. B. Chalmers. No. 1,079,635; Nov. 25; Gaz. vol. 196; p. 918.
- Paint composition and making the same. A. S. B. Little. No. 1,072,476; Sept. 9; Gaz. vol. 194; p. 304.
- Paint, Composition of matter to be used as an oil-. H. M. L. Wunnenberg. No. 1,057,199; Mar. 25; Gaz. vol. 188; p. 964.
- Paint, Marine. T. Moran and D. Mosher. No. 1,072,485; Sept. 9; Gaz. vol. 194; p. 306.
- Paint or varnish remover. C. Ellis. No. 1,049,467; Jan. 7; Gaz. vol. 186; p. 50.
- Paint or varnish remover. C. Ellis. No. 1,051,319; Jan. 21; Gaz. vol. 186; p. 752.
- Paint or varnish remover. C. Ellis. No. 1,069,056; July 29; Gaz. vol. 192; p. 1222.
- Paint-package. J. W. Hasburg. No. 1,049,711; Jan. 7; Gaz. vol. 186; p. 135.
- Paint-package. J. W. Hasburg. No. 1,060,084; Apr. 29; Gaz. vol. 189; p. 1078.

Alphabetical list of inventions—Continued.

- Paint package, Ceramic-. F. L. Sleeper. No. 1,061,414; May 13; Gaz. vol. 190; p. 327.
- Paint-remover. H. A. Gardner. No. 1,067,600; July 15; Gaz. vol. 192; p. 650.
- Paint-removing device. M. L. Spira. No. 1,074,755; Oct. 7; Gaz. vol. 195; p. 58.
- Paints, Making. F. F. Bradley. No. 1,077,239; Oct. 28; Gaz. vol. 195; p. 1020.
- Painter's table. G. E. Klingaman. No. 1,053,613; Feb. 18; Gaz. vol. 187; p. 682.
- Painting spools, Apparatus for. J. E. Lock. No. 1,076,773; Oct. 28; Gaz. vol. 195; p. 863.
- Pallet. C. A. Denney. No. 1,052,222; Feb. 4; Gaz. vol. 187; p. 131.
- Pan: *See* Bake-pan; Bed-pan; Bread-pan; Bread-making pan; Broiler-pan; Concentrating-pan; Dust-pan; Frying-pan; Locomotive ash-pan; Miner's gold-pan; Plasterer's or painter's scraping-pan; Refrigerator-car drip-pan; Refrigerator drain-pan; Refrigerator drip-pan.
- Pan and lid lifter. E. Jacquemin. No. 1,066,114; July 1; Gaz. vol. 192; p. 74.
- Pan elevator and conveyer. D. K. Allison. No. 1,056,767; Mar. 25; Gaz. vol. 188; p. 815.
- Pan-lifter. S. Moyer. No. 1,063,826; June 3; Gaz. vol. 191; p. 226.
- Panel-board switch. J. A. Obermiller and P. Eickenberg. No. 1,082,759; Dec. 30; Gaz. vol. 197; p. 1102.
- Panel structure. W. Siebert. No. 1,067,490; July 15; Gaz. vol. 192; p. 614.
- Panic-bolt. J. M. Marty. No. 1,067,997; July 22; Gaz. vol. 192; p. 817.
- Panic-bolt. J. M. Marty. No. 1,079,603; Nov. 25; Gaz. vol. 196; p. 909.
- Panorama. O. P. Holloway and H. Randolph. No. 1,057,551; Apr. 1; Gaz. vol. 189; p. 52.
- Pantograph. F. Milde. No. 1,059,893; Apr. 22; Gaz. vol. 189; p. 970.
- Pantograph. B. Anderson. No. 1,079,910; Nov. 25; Gaz. vol. 196; p. 1015.
- Pantograph apparatus. W. C. Bucknam. No. 1,059,271; Apr. 15; Gaz. vol. 189; p. 728.
- Pantograph for automatic embroidering-machines. H. Saurer. No. 1,059,075; Apr. 15; Gaz. vol. 189; p. 661.
- Paper and like cups, Machine for making. E. A. Stratton. No. 1,074,989; Oct. 7; Gaz. vol. 195; p. 136.
- Paper and paper stuff, Fiber-separating machine for. C. Kurtz-Hähle. No. 1,050,212; Jan. 14; Gaz. vol. 186; p. 336.
- Paper and pasteboard machine. N. Pedersen. No. 1,050,164; Jan. 14; Gaz. vol. 186; p. 321.
- Paper and pulp treating machine. H. Parker. No. 1,050,386; Jan. 14; Gaz. vol. 186; p. 397.
- Paper and the like cutting machine, Wall-. H. Bosch. No. 1,057,703; Apr. 1; Gaz. vol. 189; p. 105.
- Paper bag. E. Jagenberg. No. 1,078,682; Nov. 18; Gaz. vol. 196; p. 559.
- Paper-bag holder. F. D. Croce. No. 1,061,357; May 13; Gaz. vol. 190; p. 307.
- Paper-bag holder. L. A. Purinton. No. 1,070,528; Aug. 19; Gaz. vol. 193; p. 566.
- Paper-bag machine. T. J. Sherrard. No. 1,053,655; Feb. 18; Gaz. vol. 187; p. 696.
- Paper-bag machine. M. L. Hirsch and G. W. Blackstock. No. 1,053,947; Feb. 18; Gaz. vol. 187; p. 795.
- Paper-bag machine. W. T. Dulin. No. 1,057,377; Mar. 25; Gaz. vol. 188; p. 1022.
- Paper-bag machine. W. T. Dulin. No. 1,069,397; Aug. 5; Gaz. vol. 193; p. 108.
- Paper-bag machine. C. F. Smith. No. 1,074,330; Sept. 30; Gaz. vol. 194; p. 1033.
- Paper-bag machine. W. A. Lorenz. No. 1,081,315; Dec. 16; Gaz. vol. 197; p. 548.
- Paper-bag-making machine. F. Hepp. No. 1,070,341; Aug. 12; Gaz. vol. 193; p. 460.
- Paper-board. C. S. Bird and G. R. Wyman. No. 1,074,829; Oct. 7; Gaz. vol. 195; p. 82.
- Paper-board-cutting machine, Corrugated-. D. Church. No. 1,055,610; Mar. 11; Gaz. vol. 188; p. 356.
- Paper bottle. W. Giesseman and C. V. Crist. No. 1,076,669; Oct. 28; Gaz. vol. 195; p. 827.
- Paper bottles, Making. J. R. Van Wormer. No. 1,083,263; Dec. 30; Gaz. vol. 197; p. 1267.
- Paper box. R. P. Brown. No. 1,052,564; Feb. 11; Gaz. vol. 187; p. 278.
- Paper box. P. C. Brashear. No. 1,075,812; Oct. 14; Gaz. vol. 195; p. 448.
- Paper-box construction. I. Seitzman. No. 1,083,147; Dec. 30; Gaz. vol. 197; p. 1231.
- Paper-box-corner-staying machine. E. H. Taylor. No. 1,079,616; Nov. 25; Gaz. vol. 196; p. 912.
- Paper box, Folding. A. J. Vance. No. 1,081,068; Dec. 9; Gaz. vol. 197; p. 427.
- Paper-box-machine. C. G. Cooke. No. 1,053,087; Feb. 11; Gaz. vol. 187; p. 457.
- Paper-box machine. F. Graffenberger. No. 1,058,858; Apr. 15; Gaz. vol. 189; p. 585.
- Paper-box machine. E. H. Taylor. No. 1,079,275; Nov. 18; Gaz. vol. 196; p. 763.
- Paper-box-maker's gage. L. E. Marchese. No. 1,081,759; Dec. 16; Gaz. vol. 197; p. 695.
- Paper boxes, Die for making folding. R. J. Gruenberg. No. 1,080,759; Dec. 9; Gaz. vol. 197; p. 324.
- Paper caddy. J. W. Weiss. No. 1,058,929; Apr. 15; Gaz. vol. 189; p. 610.
- Paper, calcimine, &c., Composition for removing wall-. C. C. Hutchins. No. 1,066,017; July 1; Gaz. vol. 192; p. 40.
- Paper capsules and affixing same to bottles, Machine for forming. E. Parker. No. 1,070,839; Aug. 19; Gaz. vol. 193; p. 670.
- Paper carton. F. H. Merrell and W. S. Amidon. No. 1,068,802; July 29; Gaz. vol. 192; p. 1135.
- Paper-clip. W. J. Carbis. No. 1,053,008; Feb. 11; Gaz. vol. 187; p. 429.
- Paper-clip. J. B. Hale. No. 1,070,683; Aug. 19; Gaz. vol. 193; p. 619.
- Paper clip or fastener. C. R. Bleakney. No. 1,054,498; Feb. 25; Gaz. vol. 187; p. 1021.
- Paper cups, Machine for making crimped. H. Müller. No. 1,073,618; Sept. 23; Gaz. vol. 194; p. 762.
- Paper cups, Machine for making folded. S. J. C. Luttrupp. No. 1,056,564; Mar. 18; Gaz. vol. 188; p. 717.
- Paper-cutter. G. L. Schoettler. No. 1,059,572; Apr. 22; Gaz. vol. 189; p. 868.
- Paper cutter, Wall-. W. Clark. No. 1,053,359; Feb. 18; Gaz. vol. 187; p. 595.
- Paper-cutting die. F. F. Flagg. No. 1,057,138; Mar. 25; Gaz. vol. 188; p. 944.
- Paper-cutting machine. B. F. Berry. No. 1,051,381; Jan. 28; Gaz. vol. 186; p. 806.
- Paper-cutting machine. N. Gray, Jr. No. 1,058,964; Apr. 15; Gaz. vol. 189; p. 623.
- Paper-cutting machine. A. and J. Zanetti. No. 1,062,427; May 20; Gaz. vol. 190; p. 709.
- Paper-cutting machine. J. G. Hardie. No. 1,066,492; July 8; Gaz. vol. 192; p. 234.
- Paper-delivery mechanism. M. A. Droitcour. No. 1,077,400; Nov. 4; Gaz. vol. 196; p. 57.
- Paper, Detaching wall-. C. Ellis. No. 1,083,007; Dec. 30; Gaz. vol. 197; p. 1187.
- Paper, Device for shipping rolls of. J. C. Martin. No. 1,068,066; July 22; Gaz. vol. 192; p. 841.
- Paper drinking-cup. J. H. Brady. No. 1,053,272; Feb. 18; Gaz. vol. 187; p. 565.
- Paper drinking-cup. H. R. Heyl. No. 1,057,426; Apr. 1; Gaz. vol. 189; p. 12.
- Paper drinking-cup. S. D. Washburn. No. 1,065,486; June 24; Gaz. vol. 191; p. 892.
- Paper drinking-cup. W. E. Claussen. No. 1,069,675; Aug. 12; Gaz. vol. 193; p. 231.
- Paper drinking-cups, Automatic machine for making. E. H. Whitney. No. 1,082,836; Dec. 30; Gaz. vol. 197; p. 1128.
- Paper drinking-cups, Flanging device for. L. W. Farmer. No. 1,082,687; Dec. 30; Gaz. vol. 197; p. 1076.
- Paper envelopes, Machine for making. T. Hugo. No. 1,066,112; July 1; Gaz. vol. 192; p. 73.
- Paper-exploder. L. S. Bixler. No. 1,070,871; Aug. 19; Gaz. vol. 193; p. 680.
- Paper-fastener. E. O. Klann. No. 1,055,280; Mar. 4; Gaz. vol. 188; p. 208.
- Paper-fastener. C. S. Carter. No. 1,056,969; Mar. 25; Gaz. vol. 188; p. 884.
- Paper-fastener. F. J. Klein. No. 1,067,036; July 8; Gaz. vol. 192; p. 420.
- Paper-fastener. E. L. Bowes. No. 1,071,548; Aug. 26; Gaz. vol. 193; p. 939.
- Paper-fastener. J. J. A. Miller. No. 1,072,483; Sept. 9; Gaz. vol. 194; p. 306.
- Paper-fastening device. J. N. Stacy and A. W. Hoag. No. 1,055,680; Mar. 11; Gaz. vol. 188; p. 380.
- Paper-feed, Automatic. H. C. Gammeter. No. 1,051,726; Jan. 28; Gaz. vol. 186; p. 922.
- Paper-feed rollers, Controlling means for. A. Schneeloch. No. 1,058,632; Apr. 8; Gaz. vol. 189; p. 468.
- Paper-feeder. S. C. Cox. No. 1,054,394; Feb. 25; Gaz. vol. 187; p. 985.
- Paper-feeder. A. J. McCauley. No. 1,054,976; Mar. 4; Gaz. vol. 188; p. 110.
- Paper-feeder. M. A. Droitcour. No. 1,077,399; Nov. 4; Gaz. vol. 196; p. 57.
- Paper-feeding machine. C. O. L. Cardell. No. 1,057,116; Mar. 25; Gaz. vol. 188; p. 936.
- Paper-feeding machine. C. D. Van Etten. No. 1,058,500; Apr. 8; Gaz. vol. 189; p. 425.
- Paper-feeding machine. R. E. Jones. No. 1,062,336; May 20; Gaz. vol. 190; p. 680.
- Paper-feeding machine. R. E. Jones. No. 1,063,038; May 27; Gaz. vol. 190; p. 952.
- Paper-feeding machine. N. Meyers. No. 1,066,133; July 1; Gaz. vol. 192; p. 81.
- Paper-feeding machine. A. D. Pejauo. No. 1,074,455; Sept. 30; Gaz. vol. 194; p. 1074.
- Paper-feeding machines, Sheet-separating mechanism for. R. E. Jones. No. 1,063,037; May 27; Gaz. vol. 190; p. 952.
- Paper-feeding machines, Sheet-straightening mechanism for. T. C. Dexter and R. E. Jones. No. 1,057,123; Mar. 25; Gaz. vol. 188; p. 938.

Alphabetical list of inventions—Continued.

- Paper-feeding mechanism. A. C. Pratt. No. 1,071,343; Aug. 26; Gaz. vol. 193; p. 872.
- Paper feeding or delivering device, Automatic. F. Van Benthuyssen. No. 1,053,250; Feb. 18; Gaz. vol. 187; p. 556.
- Paper-folder and envelop-filler, Hand. A. J. Gore. No. 1,063,124; May 27; Gaz. vol. 190; p. 981.
- Paper-folding machine. C. A. Sigafos. No. 1,056,224; Mar. 18; Gaz. vol. 188; p. 599.
- Paper-folding machine. F. L. Cross. No. 1,063,860; June 3; Gaz. vol. 191; p. 236.
- Paper-folding machine. W. B. McNamara. No. 1,063,993; June 10; Gaz. vol. 191; p. 316.
- Paper-folding-machine trimming mechanism. C. O. L. Cardell. No. 1,068,104; July 22; Gaz. vol. 192; p. 853.
- Paper-gage. C. H. Lucas. No. 1,076,682; Oct. 28; Gaz. vol. 195; p. 832.
- Paper-guide. A. U. Davis. No. 1,068,223; July 22; Gaz. vol. 192; p. 895.
- Paper-handling device, Sealing-. A. W. Anderson. No. 1,050,510; Jan. 14; Gaz. vol. 186; p. 442.
- Paper hanger, Portable wall-. A. C. Harry. No. 1,075,824; Oct. 14; Gaz. vol. 195; p. 452.
- Paper-hanger's implement. A. Bohm. No. 1,051,544; Jan. 28; Gaz. vol. 186; p. 861.
- Paper-hanging appliance. W. H. Decker. No. 1,058,159; Apr. 8; Gaz. vol. 189; p. 306.
- Paper-hanging device. A. A. Cushman. No. 1,063,861; June 3; Gaz. vol. 191; p. 236.
- Paper-hanging device, Wall-. J. Krondak. No. 1,058,185; Apr. 8; Gaz. vol. 189; p. 316.
- Paper-hanging machine. A. Williams. No. 1,065,755; June 24; Gaz. vol. 191; p. 983.
- Paper having relief-like effect, Manufacture on the paper-machine of. K. Franz. No. 1,052,716; Feb. 11; Gaz. vol. 187; p. 329.
- Paper-holder. H. Morton. No. 1,057,393; Mar. 25; Gaz. vol. 188; p. 1027.
- Paper-holder. J. Bedell and M. M. King. No. 1,057,614; Apr. 1; Gaz. vol. 189; p. 75.
- Paper-holder. S. Wheeler. No. 1,058,822; Apr. 15; Gaz. vol. 189; p. 573.
- Paper holder and cutter. R. V. Evans. No. 1,063,787; June 3; Gaz. vol. 191; p. 213.
- Paper-holder cutter. M. L. Bengston. No. 1,064,596; June 10; Gaz. vol. 191; p. 522.
- Paper holder, Toilet-. S. J. Bens and A. B. Hubbard. No. 1,065,205; June 17; Gaz. vol. 191; p. 757.
- Paper holder, Toilet-. E. Jerome. No. 1,065,910; June 24; Gaz. vol. 191; p. 1035.
- Paper holder, Toilet-. S. J. Bens and A. B. Hubbard. No. 1,069,757; Aug. 12; Gaz. vol. 193; p. 260.
- Paper holder, Toilet-. L. Ullery. No. 1,079,524; Nov. 25; Gaz. vol. 196; p. 879.
- Paper-lifting device. C. E. Steere. No. 1,065,085; June 17; Gaz. vol. 191; p. 719.
- Paper-machines, Watermarking apparatus for. A. Whitton. No. 1,058,826; Apr. 15; Gaz. vol. 189; p. 574.
- Paper-maker's drying-felt. S. Veit. No. 1,050,406; Jan. 14; Gaz. vol. 186; p. 403.
- Paper-making machine. A. W. Lamb and L. E. Vose. No. 1,052,927; Feb. 11; Gaz. vol. 187; p. 403.
- Paper-making machine. J. W. Kookan and J. H. Reedy. No. 1,059,472; Apr. 22; Gaz. vol. 189; p. 834.
- Paper-making machine. W. E. Sheehan. No. 1,059,496; Apr. 22; Gaz. vol. 189; p. 843.
- Paper-making machine. G. D. Kilberry. No. 1,078,292; Nov. 11; Gaz. vol. 196; p. 393.
- Paper-making-machine attachment. H. C. Couch and H. J. Pierson. No. 1,052,463; Feb. 11; Gaz. vol. 187; p. 245.
- Paper-making machine, Fourdrinier type of. J. Lewthwaite. No. 1,050,367; Jan. 14; Gaz. vol. 186; p. 390.
- Paper-making machines, Automatic felt-tightener for. F. B. Hooker and W. J. Trempe. No. 1,069,257; Aug. 5; Gaz. vol. 193; p. 60.
- Paper-making machinery. C. G. McClellan. No. 1,052,495; Feb. 11; Gaz. vol. 187; p. 255.
- Paper-making machinery. T. Bauer. No. 1,071,021; Aug. 26; Gaz. vol. 193; p. 763.
- Paper, Making waxed. A. W. Harrington. No. 1,063,441; June 3; Gaz. vol. 191; p. 91.
- Paper or fiber tubes or cores, Machine for making. G. S. Witham, Sr. No. 1,074,680; Oct. 7; Gaz. vol. 195; p. 33.
- Paper or metal-foil substitute, Manufacture of metallic. B. Kaufmann. No. 1,060,098; Apr. 29; Gaz. vol. 189; p. 1082.
- Paper, Perforation device for wall-. S. E. Whisner. No. 1,072,890; Sept. 9; Gaz. vol. 194; p. 450.
- Paper, Photographic. F. G. Wilcox. No. 1,052,779; Feb. 11; Gaz. vol. 187; p. 350.
- Paper press, Waste-. P. Wareham. No. 1,058,281; Apr. 8; Gaz. vol. 189; p. 348.
- Paper-pulp, Apparatus for disintegrating fibrous material used in the manufacture of. W. H. Stobie. No. 1,062,306; May 20; Gaz. vol. 190; p. 671.
- Paper-pulp, Apparatus for disintegrating fibrous material used in the manufacture of. W. H. Stobie. No. 1,062,307; May 20; Gaz. vol. 190; p. 671.
- Paper-pulp-bleaching apparatus. E. D. Jefferson. No. 1,077,883; Nov. 4; Gaz. vol. 196; p. 220.
- Paper-pulp, Electrolytic apparatus for the preparation of. F. F. Strong. No. 1,059,322; Apr. 15; Gaz. vol. 189; p. 745.
- Paper-pulp, Machine for making sheets of. G. S. Witham, Sr. No. 1,072,555; Sept. 9; Gaz. vol. 194; p. 332.
- Paper-pulp, Preparing. H. Jackson. No. 1,083,102; Dec. 30; Gaz. vol. 197; p. 1218.
- Paper-pulp tubes, Winding-roll or former for. F. E. Keyes. No. 1,072,011; Sept. 2; Gaz. vol. 194; p. 118.
- Paper-punch. J. Krös. No. 1,082,812; Dec. 30; Gaz. vol. 197; p. 1120.
- Paper receptacle. E. Z. Taylor. No. 1,064,787; June 17; Gaz. vol. 191; p. 623.
- Paper receptacle. C. T. Bloomer. No. 1,071,388; Aug. 26; Gaz. vol. 193; p. 888.
- Paper receptacle. C. T. Bloomer. No. 1,081,264; Dec. 9; Gaz. vol. 197; p. 493.
- Paper receptacle. L. W. Farmer. No. 1,082,686; Dec. 30; Gaz. vol. 197; p. 1076.
- Paper receptacle. I. W. Hollett. No. 1,082,868; Dec. 30; Gaz. vol. 197; p. 1139.
- Paper, Receptacle for carbon or other thin. A. Silvertrust. No. 1,071,679; Aug. 26; Gaz. vol. 193; p. 982.
- Paper-receptacle-making apparatus. F. W. Burpee. No. 1,075,329; Oct. 14; Gaz. vol. 195; p. 282.
- Paper receptacles, Machine for making. J. T. Bond. No. 1,053,702; Feb. 18; Gaz. vol. 187; p. 714.
- Paper receptacles, Machine for making. H. E. Dill and W. P. Marsh. No. 1,055,024; Mar. 4; Gaz. vol. 188; p. 126.
- Paper receptacles, Machine for making. J. T. and C. E. Bond. No. 1,055,702; Mar. 11; Gaz. vol. 188; p. 388.
- Paper receptacles, Means for paraffining closures or caps for. J. T. Bond. No. 1,053,701; Feb. 18; Gaz. vol. 187; p. 713.
- Paper receptacles, Mechanism for making. G. W. Swift, Jr. No. 1,064,563; June 10; Gaz. vol. 191; p. 511.
- Paper-roll holder. N. W. Perkins, Jr. No. 1,059,389; Apr. 22; Gaz. vol. 189; p. 805.
- Paper-roll holder. S. Wheeler. No. 1,060,049; Apr. 29; Gaz. vol. 189; p. 1067.
- Paper-roll holder or carrier, Toilet-. A. Walker. No. 1,070,641; Aug. 19; Gaz. vol. 193; p. 604.
- Paper rolls, Machine for making toilet-. H. Liebeck. No. 1,081,507; Dec. 16; Gaz. vol. 197; p. 613.
- Paper-sheet-feeding machine. G. Spiess. No. 1,064,938; June 17; Gaz. vol. 191; p. 670.
- Paper sheets, Means for fastening. G. P. Bump. No. 1,065,904; June 24; Gaz. vol. 191; p. 1033.
- Paper shot-shell. T. C. Johnson. No. 1,065,811; June 24; Gaz. vol. 191; p. 1001.
- Paper slitting and winding machine. J. A. White. No. 1,063,093; May 27; Gaz. vol. 190; p. 971.
- Paper strips, Machine for taking off single strips from a pile of. H. Kurkiewicz. No. 1,071,243; Aug. 26; Gaz. vol. 193; p. 838.
- Paper, Treating. S. S. Sadtler. No. 1,060,366; Apr. 29; Gaz. vol. 189; p. 1178.
- Paper-treating machine. C. W. Mears. No. 1,062,108; May 20; Gaz. vol. 190; p. 603.
- Paper-trimming machine, Wall-. W. C. Alley. No. 1,072,377; Sept. 2; Gaz. vol. 194; p. 240.
- Paper tube. G. B. Streit. No. 1,067,493; July 15; Gaz. vol. 192; p. 615.
- Paper tube and making the same. C. S. Bird. No. 1,074,926; Oct. 7; Gaz. vol. 195; p. 115.
- Paper-tube-making machine. H. N. Grissingen. No. 1,065,680; June 24; Gaz. vol. 191; p. 958.
- Paper vessel. C. T. Bloomer. No. 1,053,560; Feb. 18; Gaz. vol. 187; p. 664.
- Paper vessel. C. T. Bloomer. No. 1,053,561; Feb. 18; Gaz. vol. 187; p. 664.
- Paper vessel. C. T. Bloomer. No. 1,053,562; Feb. 18; Gaz. vol. 187; p. 665.
- Paper vessel. L. Norman. No. 1,054,932; Mar. 4; Gaz. vol. 188; p. 94.
- Paper vessel. C. H. Butler. No. 1,065,917; July 1; Gaz. vol. 192; p. 4.
- Paper vessel. C. T. Bloomer. No. 1,082,729; Dec. 30; Gaz. vol. 197; p. 1091.
- Paper vessels, Machine for applying end closures to. L. Norman and E. C. Bates. No. 1,053,314; Feb. 18; Gaz. vol. 187; p. 579.
- Paper-walled can. J. R. Harbeck. No. 1,062,002; May 20; Gaz. vol. 190; p. 566.
- Paper-weight. J. E. Drake. No. 1,078,905; Nov. 18; Gaz. vol. 196; p. 637.
- Paper-weight and automatic moistener, Combined. L. F. Baum and N. Massie. No. 1,081,087; Dec. 9; Gaz. vol. 197; p. 432.
- Paper-weight and pencil-sharpener, Combined. E. F. Hardey. No. 1,065,127; June 17; Gaz. vol. 191; p. 733.
- Paper-winding machines, Mandrel for. G. B. Warner. No. 1,076,536; Oct. 21; Gaz. vol. 195; p. 727.
- Paper-winding mechanism. S. Waring. No. 1,081,933; Dec. 16; Gaz. vol. 197; p. 754.

Alphabetical list of inventions—Continued.

- Paper-winding reel. G. Miller. No. 1,075,051; Oct. 7; Gaz. vol. 195; p. 159.
- Papers and the like, Removing wall-. F. Fischer and H. Heumach, Jr. No. 1,070,241; Aug. 12; Gaz. vol. 193; p. 426.
- Papering machine, Wall-. C. J. Siebenhaar. No. 1,071,812; Sept. 2; Gaz. vol. 194; p. 50.
- Parachute. L. L'hone. No. 1,052,489; Feb. 11; Gaz. vol. 187; p. 253.
- Parachute. J. Freud. No. 1,056,786; Mar. 25; Gaz. vol. 188; p. 822.
- Parachute. A. Persson. No. 1,060,703; May 6; Gaz. vol. 190; p. 49.
- Parachute. A. O. von Augezd. No. 1,081,137; Dec. 9; Gaz. vol. 197; p. 450.
- Parachute carrying and disengaging means carried by an aeroplane and attached thereto. A. Jannus and T. W. Benoist. No. 1,053,182; Feb. 18; Gaz. vol. 187; p. 533.
- Parachute-launching device. D. W. Adams. No. 1,069,662; Aug. 12; Gaz. vol. 193; p. 227.
- Parachutes, Air-anchor for. J. F. Webb. No. 1,055,245; Mar. 4; Gaz. vol. 188; p. 197.
- Paraffin compositions and separating the scale therefrom, Apparatus for expressing the fluids out of. J. Hansen. No. 1,054,839; Mar. 4; Gaz. vol. 188; p. 65.
- Paraffin, Production of translucent, uniformly-colored J. v. R. v. Alkemade. No. 1,076,000; Oct. 14; Gaz. vol. 195; p. 513.
- Parallelogram for drafting. F. H. Kohler. No. 1,057,852; Apr. 1; Gaz. vol. 189; p. 157.
- Parasites in the soil, Destruction of animal and vegetable. L. Hiltner. No. 1,070,808; Aug. 19; Gaz. vol. 193; p. 660.
- Parasol. B. L. Henry. No. 1,079,240; Nov. 18; Gaz. vol. 196; p. 752.
- Parcel-carrier, Automatic. W. L. Nelson. No. 1,075,371; Oct. 14; Gaz. vol. 195; p. 297.
- Parcel-elevator mechanism. H. L. Wilson. No. 1,081,259; Dec. 9; Gaz. vol. 197; p. 491.
- Parer, Vegetable-. E. B. Castello. No. 1,071,603; Aug. 26; Gaz. vol. 193; p. 957.
- Paring and pitting apparatus, Fruit. F. W. Lancaster. No. 1,062,406; May 20; Gaz. vol. 190; p. 703.
- Paring machine, Potato-. J. M. and J. H. Smith. No. 1,064,558; June 10; Gaz. vol. 191; p. 509.
- Partition, Building-. L. F. Jackson. No. 1,057,431; Apr. 1; Gaz. vol. 189; p. 13.
- Partition construction, Means for supporting plaster-boards in. M. H. Jester. No. 1,078,144; Nov. 11; Gaz. vol. 196; p. 341.
- Partition, Hollow. R. O. Hagerman. No. 1,073,041; Sept. 9; Gaz. vol. 194; p. 503.
- Partition, Metallic. A. H. Levene. No. 1,054,575; Feb. 25; Gaz. vol. 187; p. 1046.
- Passenger-carrier, Rotary. W. A. Saunders. No. 1,050,567; Jan. 14; Gaz. vol. 186; p. 461.
- Passenger-recorder. R. Brown. No. 1,055,869; Mar. 11; Gaz. vol. 188; p. 445.
- Paste-applying device. H. Leitgeb. No. 1,065,376; June 24; Gaz. vol. 191; p. 854.
- Paste-cup. E. C. Flynn and F. W. Payne. No. 1,055,028; Mar. 4; Gaz. vol. 188; p. 128.
- Paste-receptacle. H. J. Potter. No. 1,060,023; Apr. 29; Gaz. vol. 189; p. 1059.
- Pasteboard boxes, Machine for making paper-lined. F. Altmann. No. 1,080,039; Dec. 2; Gaz. vol. 197; p. 42.
- Pasteboard wrapper, Corrugated. F. A. Antoni. No. 1,061,654; May 13; Gaz. vol. 190; p. 412.
- Pasteurizer. G. M. Kendall. No. 1,070,484; Aug. 19; Gaz. vol. 193; p. 552.
- Pasteurizing. F. Gettelman. No. 1,077,270; Nov. 4; Gaz. vol. 196; p. 9.
- Pasteurizing. F. Gettelman. No. 1,082,743; Dec. 30; Gaz. vol. 197; p. 1095.
- Pasteurizing apparatus. W. H. Park. No. 1,062,847; May 27; Gaz. vol. 190; p. 890.
- Pasteurizing apparatus. L. S. Pfouts. No. 1,076,604; Oct. 21; Gaz. vol. 195; p. 751.
- Pastry-cone trimmer. S. F. Pierce. No. 1,062,028; May 20; Gaz. vol. 190; p. 575.
- Pastry-making machine, Automatic. F. A. Bruckman. No. 1,071,027; Aug. 26; Gaz. vol. 193; p. 765.
- Pastry shells, Apparatus for and method of making. E. H. Lanier. No. 1,063,981; June 10; Gaz. vol. 191; p. 311.
- Pattern. *See* Bib-pattern; Embroidery-pattern; Garment-pattern; Skim-gate pattern.
- Pattern. T. R. Bell. No. 1,050,201; Jan. 14; Gaz. vol. 186; p. 332.
- Pattern-cutting machine. H. Noel. No. 1,060,279; Apr. 29; Gaz. vol. 189; p. 1147.
- Pattern for drafting and fitting garments. L. S. D'Orsogna and P. Cane. No. 1,078,087; Nov. 11; Gaz. vol. 196; p. 322.
- Pattern for drafting garments. L. S. D'Orsogna and P. Cane. No. 1,078,576; Nov. 11; Gaz. vol. 196; p. 490.
- Pattern-generating mechanism. J. V. Allen. No. 1,064,118; June 10; Gaz. vol. 191; p. 359.
- Pattern-grading machine. C. E. Reed. No. 1,079,022; Nov. 18; Gaz. vol. 196; p. 678.
- Pattern-making method and apparatus. P. Buda. No. 1,072,908; Sept. 9; Gaz. vol. 194; p. 457.
- Pattern-setting machine. J. J. Brennan. No. 1,063,114; May 27; Gaz. vol. 190; p. 978.
- Patterns on fabrics, Producing. M. Freiburger. No. 1,080,433; Dec. 2; Gaz. vol. 197; p. 182.
- Patterns on leather and like soft materials, Apparatus for impressing. J. Thomson. No. 1,063,084; May 27; Gaz. vol. 190; p. 968.
- Pavement. C. P. Walter. No. 1,073,647; Sept. 23; Gaz. vol. 194; p. 773.
- Pavement and making same. A. B. Cowdery. No. 1,058,848; Apr. 15; Gaz. vol. 189; p. 582.
- Pavement, Transparent. L. G. Mullen. No. 1,081,979; Dec. 23; Gaz. vol. 197; p. 798.
- Pavement, Wood-. H. G. Jennison. No. 1,061,296; May 13; Gaz. vol. 190; p. 286.
- Paving. R. McDonald. No. 1,065,545; June 24; Gaz. vol. 191; p. 912.
- Paving and like purposes, Manufacturing a composition for. J. H. Amies. No. 1,062,686; May 27; Gaz. vol. 190; p. 837.
- Paving and making the same. W. A. Newton. No. 1,069,644; Aug. 5; Gaz. vol. 193; p. 191.
- Paving-block. J. A. Cogswell. No. 1,068,739; July 29; Gaz. vol. 192; p. 1112.
- Paving-block. O. A. Heckel. No. 1,074,717; Oct. 7; Gaz. vol. 195; p. 45.
- Paving-block composition. A. Deidesheimer. No. 1,062,771; May 27; Gaz. vol. 190; p. 864.
- Paving-block-treating apparatus. C. E. Fuller. No. 1,063,965; June 10; Gaz. vol. 191; p. 306.
- Paving-blocks, Treating. C. E. Fuller. No. 1,063,964; June 10; Gaz. vol. 191; p. 306.
- Paving material, Apparatus for preparing. L. White and H. S. Richards. No. 1,058,342; Apr. 8; Gaz. vol. 189; p. 370.
- Paving, Street-. J. Banwell. No. 1,078,982; Nov. 18; Gaz. vol. 196; p. 663.
- Pawl and ratchet. C. W. Bennett. No. 1,064,597; June 10; Gaz. vol. 191; p. 523.
- Pawl-and-ratchet mechanism. J. L. Beck. No. 1,075,311; Oct. 7; Gaz. vol. 195; p. 252.
- Pea cutter, Cow-. W. H. Parks. No. 1,056,117; Mar. 18; Gaz. vol. 188; p. 563.
- Pea-drill. J. G. Becker. No. 1,079,310; Nov. 18; Gaz. vol. 196; p. 775.
- Peanut-picker and pea-huller. W. C. Berry. No. 1,061,591; May 13; Gaz. vol. 190; p. 390.
- Peanut picker and stemmer. H. W. Eisenhart and M. W. Darden. No. 1,081,593; Dec. 16; Gaz. vol. 197; p. 640.
- Peanut shelling and grading machine. A. L. and C. H. Steere. No. 1,083,150; Dec. 30; Gaz. vol. 197; p. 1231.
- Peanut-stemmer. T. M. Lilliston. No. 1,078,506; Nov. 11; Gaz. vol. 196; p. 466.
- Peanut-stripper. J. M. Holloway. No. 1,065,249; June 17; Gaz. vol. 191; p. 773.
- Pear-burner. J. J. Messerli and J. L. Mayfield. No. 1,074,374; Sept. 30; Gaz. vol. 194; p. 1048.
- Pearls, Device for mounting artificial. G. Brunet and L. Apra. No. 1,056,625; Mar. 18; Gaz. vol. 188; p. 736.
- Peat-delivering apparatus. J. MacKaye. No. 1,053,191; Feb. 18; Gaz. vol. 187; p. 536.
- Peat-expressor. O. J. Sigler and H. J. Jarvis. No. 1,049,614; Jan. 7; Gaz. vol. 186; p. 102.
- Peat laying and cutting machine. T. A. Mighill. No. 1,053,197; Feb. 18; Gaz. vol. 187; p. 539.
- Peat, slime, and like substances, Treating. G. Wolters. No. 1,074,400; Sept. 30; Gaz. vol. 194; p. 1057.
- Peavey or cant-hook. A. Lambert. No. 1,061,188; May 6; Gaz. vol. 190; p. 214.
- Pebble-mill. C. F. Ball. No. 1,055,599; Mar. 11; Gaz. vol. 188; p. 353.
- Pedal. R. T. Lowd. No. 1,070,971; Aug. 19; Gaz. vol. 193; p. 712.
- Pedal, Folding. E. Swanson. No. 1,074,222; Sept. 30; Gaz. vol. 194; p. 997.
- Pedal, Folding. E. Swanson. No. 1,074,223; Sept. 30; Gaz. vol. 194; p. 998.
- Pedal mechanism. C. H. Laden, Sr. No. 1,055,190; Mar. 4; Gaz. vol. 188; p. 179.
- Pedal-operating mechanism. J. C. Cake. No. 1,082,846; Dec. 30; Gaz. vol. 197; p. 1132.
- Pedestal chair. P. P. Despina. No. 1,069,863; Aug. 12; Gaz. vol. 193; p. 297.
- Pedestal side frame. G. G. Floyd. No. 1,079,980; Dec. 2; Gaz. vol. 197; p. 21.
- Peeler. R. Powell. No. 1,075,222; Oct. 7; Gaz. vol. 195; p. 218.
- Peeler, Vegetable-. H. Trust. No. 1,062,935; May 27; Gaz. vol. 190; p. 919.
- Peeling-knife. P. Nelson. No. 1,049,515; Jan. 7; Gaz. vol. 186; p. 66.
- Peeling machine, Vegetable-. H. Hahn. No. 1,053,094; Feb. 11; Gaz. vol. 187; p. 460.
- Peeling machine, Vegetable-. H. Robinson. No. 1,053,319; Feb. 18; Gaz. vol. 187; p. 581.
- Peeling potatoes, &c., Machine for. W. Northrop. No. 1,066,519; July 8; Gaz. vol. 192; p. 244.
- Pelt-stretcher. W. D. Armstrong. No. 1,059,337; Apr. 22; Gaz. vol. 189; p. 787.
- Pen. F. Bumer. No. 1,050,609; Jan. 14; Gaz. vol. 186; p. 475.

Alphabetical list of inventions—Continued.

- Pen. C. F. Backmyer. No. 1,055,507; Mar. 11; Gaz. vol. 188; p. 324.
- Pen. J. W. Dunham. No. 1,063,962; June 10; Gaz. vol. 191; p. 305.
- Pen and pencil clip. A. W. Stone. No. 1,080,603; Dec. 9; Gaz. vol. 197; p. 270.
- Pen and pencil holder. E. N. Humphrey. No. 1,072,730; Sept. 9; Gaz. vol. 194; p. 391.
- Pen and pencil holder. F. W. Schneeman. No. 1,078,001; Nov. 11; Gaz. vol. 196; p. 292.
- Pen cap, Fountain-. P. J. Schreiber. No. 1,059,398; Apr. 22; Gaz. vol. 189; p. 808.
- Pen-ejecting holder, Automatic. H. Hansen. No. 1,053,808; Feb. 18; Gaz. vol. 187; p. 748.
- Pen-extractor. F. S. McManigal. No. 1,049,507; Jan. 7; Gaz. vol. 186; p. 63.
- Pen-filling device. H. and J. H. Taylor. No. 1,082,711; Dec. 30; Gaz. vol. 197; p. 1085.
- Pen, Fountain-. F. Riesenber. No. 1,050,295; Jan. 14; Gaz. vol. 186; p. 365.
- Pen, Fountain-. C. W. Boman. No. 1,051,670; Jan. 28; Gaz. vol. 186; p. 904.
- Pen, Fountain-. C. W. Boman. No. 1,051,671; Jan. 28; Gaz. vol. 186; p. 904.
- Pen, Fountain-. M. R. Crossman. No. 1,054,678; Mar. 4; Gaz. vol. 188; p. 9.
- Pen, Fountain-. G. W. Heath. No. 1,056,539; Mar. 18; Gaz. vol. 188; p. 708.
- Pen, Fountain-. D. W. Schnebbe. No. 1,061,693; May 13; Gaz. vol. 190; p. 426.
- Pen, Fountain-. E. H. Johnson. No. 1,065,872; June 24; Gaz. vol. 191; p. 1022.
- Pen, Fountain-. F. W. Howard. No. 1,068,402; July 22; Gaz. vol. 192; p. 957.
- Pen, Fountain-. C. L. Aragon. No. 1,069,998; Aug. 12; Gaz. vol. 193; p. 342.
- Pen, Fountain-. F. W. Vaughn, Jr. No. 1,071,538; Aug. 26; Gaz. vol. 193; p. 936.
- Pen, Fountain-. G. F. Brandt. No. 1,072,073; Sept. 2; Gaz. vol. 194; p. 138.
- Pen, Fountain-. G. S. Parker. No. 1,078,513; Nov. 11; Gaz. vol. 196; p. 469.
- Pen, Fountain-. A. Farmer. No. 1,079,228; Nov. 18; Gaz. vol. 196; p. 748.
- Pen, Fountain-. W. L. Chapman. No. 1,080,099; Dec. 2; Gaz. vol. 197; p. 63.
- Pen, Fountain-. R. H. Stevens. No. 1,080,176; Dec. 2; Gaz. vol. 197; p. 90.
- Pen, Fountain-. J. G. Coffin. No. 1,080,197; Dec. 2; Gaz. vol. 197; p. 97.
- Pen, Fountain-. W. W. Sanford. No. 1,081,557; Dec. 16; Gaz. vol. 197; p. 630.
- Pen holder or support, Fountain-. C. Ridderhof. No. 1,076,841; Oct. 28; Gaz. vol. 195; p. 887.
- Pen-making machine. J. F. George. No. 1,081,230; Dec. 9; Gaz. vol. 197; p. 481.
- Pen, Non-leaking fountain-. H. B. Dods. No. 1,075,631; Oct. 14; Gaz. vol. 195; p. 388.
- Pen or pencil holder. H. C. Wiedenmann. No. 1,053,334; Feb. 18; Gaz. vol. 187; p. 587.
- Pen or pencil holder. A. T. Snell. No. 1,053,663; Feb. 18; Gaz. vol. 187; p. 699.
- Pen, Oscillating. G. F. Thorp. No. 1,058,924; Apr. 15; Gaz. vol. 189; p. 609.
- Pen-point holder. J. H. Kulow. No. 1,072,240; Sept. 2; Gaz. vol. 194; p. 194.
- Pen-point releaser. E. V. Nelson. No. 1,054,931; Mar. 4; Gaz. vol. 188; p. 94.
- Pen-point releaser. A. Anderson. No. 1,060,561; Apr. 29; Gaz. vol. 189; p. 1245.
- Pen, Reservoir-. P. MacGahan. No. 1,064,754; June 17; Gaz. vol. 191; p. 613.
- Pen retainer, Fountain-. W. A. Sheaffer. No. 1,064,098; June 10; Gaz. vol. 191; p. 352.
- Pen, Self-filling. W. F. Duryea. No. 1,049,465; Jan. 7; Gaz. vol. 186; p. 50.
- Pen, Self-filling fountain-. J. L. Schnell. No. 1,053,879; Feb. 18; Gaz. vol. 187; p. 771.
- Pen, Self-filling fountain-. J. L. Schnell. No. 1,060,137; Apr. 29; Gaz. vol. 189; p. 1096.
- Pen, Self-filling fountain-. A. Muehlmann. No. 1,064,759; June 17; Gaz. vol. 191; p. 614.
- Pen, Writing-. A. Jahn. No. 1,056,754; Mar. 18; Gaz. vol. 188; p. 782.
- Pen, Writing-. E. H. Ketchum. No. 1,074,957; Oct. 7; Gaz. vol. 195; p. 125.
- Pen, Writing-. G. B. Haug. No. 1,080,760; Dec. 9; Gaz. vol. 197; p. 325.
- Pens and pencils, Retainer for fountain-. L. D. Van Valkenburg. (Reissue.) No. 13,596; July 15; Gaz. vol. 192; p. 717.
- Pens and the like, Stamp-carrier for fountain-. S. D. Watts. No. 1,069,746; Aug. 12; Gaz. vol. 193; p. 256.
- Pens, pencils, and the like, Clip for fountain-. H. C. Mable. No. 1,061,193; May 6; Gaz. vol. 190; p. 216.
- Pens, pencils, and the like, Holder for fountain-. C. C. Robinson. No. 1,051,764; Jan. 28; Gaz. vol. 186; p. 932.
- Penholder. J. C. Tweedale. No. 1,062,620; May 27; Gaz. vol. 190; p. 816.
- Penholder. J. Forst, Jr. No. 1,064,634; June 10; Gaz. vol. 191; p. 535.
- Penholder. E. Ostby. No. 1,066,417; July 1; Gaz. vol. 192; p. 178.
- Penholder. C. W. Boman. No. 1,067,713; July 15; Gaz. vol. 192; p. 689.
- Penholder. G. F. Brinkerhoff. No. 1,073,208; Sept. 16; Gaz. vol. 194; p. 598.
- Penholder. M. E. Farris. No. 1,077,824; Nov. 4; Gaz. vol. 196; p. 200.
- Penholder. H. J. Roth. No. 1,079,516; Nov. 25; Gaz. vol. 196; p. 876.
- Penholder. J. Bischof and A. Hehn. No. 1,081,944; Dec. 23; Gaz. vol. 197; p. 786.
- Penholder device. M. N. Mishler. No. 1,052,362; Feb. 4; Gaz. vol. 187; p. 175.
- Penholder-grip. W. Nause. No. 1,066,938; July 8; Gaz. vol. 192; p. 389.
- Penholder, Magazine-. S. O. Boyd. No. 1,081,424; Dec. 16; Gaz. vol. 197; p. 585.
- Penholder or pencil brace. C. A. Beaujon. No. 1,073,561; Sept. 16; Gaz. vol. 194; p. 721.
- Pencil. J. N. Turner. No. 1,051,033; Jan. 21; Gaz. vol. 186; p. 656.
- Pencil. A. J. Keck. No. 1,060,099; Apr. 29; Gaz. vol. 189; p. 1082.
- Pencil. H. L. Fischer. No. 1,062,274; May 20; Gaz. vol. 190; p. 660.
- Pencil. M. J. Dutton. No. 1,063,189; June 3; Gaz. vol. 191; p. 7.
- Pencil. W. W. Case. No. 1,064,288; June 10; Gaz. vol. 191; p. 417.
- Pencil. A. P. Jacob. No. 1,068,057; July 22; Gaz. vol. 192; p. 838.
- Pencil. D. F. Roeder. No. 1,068,367; July 22; Gaz. vol. 192; p. 945.
- Pencil. J. A. Walls. No. 1,075,880; Oct. 14; Gaz. vol. 195; p. 471.
- Pencil and other utensil holder. J. Pancke. No. 1,083,027; Dec. 30; Gaz. vol. 197; p. 1192.
- Pencil and pen holder and electric light, Combined vest-pocket. E. A. Metcalf. No. 1,060,615; May 6; Gaz. vol. 190; p. 18.
- Pencil, book, and card holder. E. M. Chandler. No. 1,060,666; May 6; Gaz. vol. 190; p. 34.
- Pencil-case and kindred instrument. E. Norris. No. 1,063,134; May 27; Gaz. vol. 190; p. 984.
- Pencil-clip, Combination. O. F. Lawson and C. Dungan. No. 1,073,053; Sept. 9; Gaz. vol. 194; p. 508.
- Pencil, Gum-. W. Ebhardt. No. 1,055,454; Mar. 11; Gaz. vol. 188; p. 306.
- Pencil-holder. H. W. Thomas. No. 1,063,301; June 3; Gaz. vol. 191; p. 45.
- Pencil holding and sharpening device. J. S. Furst. No. 1,059,725; Apr. 22; Gaz. vol. 189; p. 917.
- Pencil or pen holder. O. J. Watts. No. 1,052,702; Feb. 11; Gaz. vol. 187; p. 325.
- Pencil, Sand-. J. A. Petrie. No. 1,051,968; Feb. 4; Gaz. vol. 187; p. 42.
- Pencil, Self-pointing. W. P. Snyder. No. 1,066,333; July 1; Gaz. vol. 192; p. 152.
- Pencil-sharpener. E. H. Klaber and S. Whitehead. No. 1,050,770; Jan. 14; Gaz. vol. 186; p. 526.
- Pencil-sharpener. J. L. Alkire. No. 1,051,658; Jan. 28; Gaz. vol. 186; p. 900.
- Pencil-sharpener. W. G. Rogers. No. 1,055,230; Mar. 4; Gaz. vol. 188; p. 192.
- Pencil-sharpener. C. Courant. No. 1,055,711; Mar. 11; Gaz. vol. 188; p. 390.
- Pencil-sharpener. J. H. Fassett. No. 1,058,168; Apr. 8; Gaz. vol. 189; p. 310.
- Pencil-sharpener. J. O'Meara. No. 1,072,768; Sept. 9; Gaz. vol. 194; p. 404.
- Pencil-sharpener. F. Unruh. No. 1,074,026; Sept. 23; Gaz. vol. 194; p. 903.
- Pencil-sharpener. E. F. Estes. No. 1,077,133; Oct. 28; Gaz. vol. 195; p. 986.
- Pencil-sharpener. G. K. H. Klose. No. 1,077,723; Nov. 4; Gaz. vol. 196; p. 164.
- Pencil-sharpener. J. J. Wolf. No. 1,077,778; Nov. 4; Gaz. vol. 196; p. 184.
- Pencil-sharpener. L. B. Chadwick. No. 1,079,312; Nov. 18; Gaz. vol. 196; p. 775.
- Pencil-sharpener. C. F. Bloch. No. 1,080,411; Dec. 2; Gaz. vol. 197; p. 175.
- Pencil-sharpener and manicuring device, Combined. H. B. Barnes. No. 1,070,660; Aug. 19; Gaz. vol. 193; p. 611.
- Pencil-sharpener, Automatic. E. Grantzow. No. 1,075,971; Oct. 14; Gaz. vol. 195; p. 502.
- Pencils, pens, &c., Holder for. J. H. Boye. No. 1,074,927; Oct. 7; Gaz. vol. 195; p. 115.
- Pencils, probes, needles, &c., Holder for. T. Tarleton. No. 1,051,524; Jan. 28; Gaz. vol. 186; p. 855.
- Pendulum-length adjuster. W. J. Evans. No. 1,071,611; Aug. 26; Gaz. vol. 193; p. 960.
- Penetration-machine. D. Rawstron. No. 1,062,032; May 20; Gaz. vol. 190; p. 577.
- Pentabromindigo. A. Schmidt and K. Thiess. No. 1,070,541; Aug. 19; Gaz. vol. 193; p. 572.
- Perambulator. F. A. Nauts. No. 1,066,033; July 1; Gaz. vol. 192; p. 45.

Alphabetical list of inventions—Continued.

- Perambulator. F. A. Nauts. No. 1,066,034; July 1; Gaz. vol. 192; p. 46.
- Perambulator attachment. R. L. Clark. No. 1,082,930; Dec. 30; Gaz. vol. 197; p. 1161.
- Perambulator, Folding. A. E. McGill. No. 1,053,422; Feb. 18; Gaz. vol. 187; p. 617.
- Perambulator, Folding. A. E. McGill. No. 1,057,569; Apr. 1; Gaz. vol. 189; p. 59.
- Perborates, Electrolytic manufacture of. K. Arndt. No. 1,081,191; Dec. 9; Gaz. vol. 197; p. 467.
- Perch. Vermin-killing poultry. M. Cooper. No. 1,082,585; Dec. 30; Gaz. vol. 197; p. 1040.
- Percolating device. L. H. Wilkinson. No. 1,067,206; July 8; Gaz. vol. 192; p. 479.
- Percolator. J. F. Lamb. No. 1,051,421; Jan. 28; Gaz. vol. 186; p. 819.
- Percolator. F. E. Aurand. No. 1,054,486; Feb. 25; Gaz. vol. 187; p. 1016.
- Percolator. G. E. Shatto. No. 1,059,574; Apr. 22; Gaz. vol. 189; p. 868.
- Percolator. I. Blount. No. 1,063,951; June 10; Gaz. vol. 191; p. 301.
- Percolator. J. J. O'Mara. No. 1,064,530; June 10; Gaz. vol. 191; p. 500.
- Percolator. I. Geffer. No. 1,077,063; Oct. 28; Gaz. vol. 195; p. 966.
- Percussive apparatus. H. C. Behr. No. 1,071,387; Aug. 26; Gaz. vol. 193; p. 887.
- Percussive apparatus, Operating. H. C. Behr. No. 1,055,857; Mar. 11; Gaz. vol. 188; p. 440.
- Percussive tool, Rotary. C. H. Haeseler. No. 1,074,116; Sept. 30; Gaz. vol. 194; p. 962.
- Perforating-machine. G. H. Davis. No. 1,061,051; May 6; Gaz. vol. 190; p. 171.
- Perforating-machine. C. A. Burton. No. 1,061,979; May 20; Gaz. vol. 190; p. 559.
- Perforating-machine. C. L. Lilleberg. No. 1,076,772; Oct. 28; Gaz. vol. 195; p. 863.
- Perforating-machine. C. L. Lilleberg. No. 1,080,703; Dec. 9; Gaz. vol. 197; p. 303.
- Perforating-machine for leaves or sheets. C. E. Morehouse. No. 1,080,073; Dec. 2; Gaz. vol. 197; p. 54.
- Perforating-machine, Metal-worker's. M. J. Lenihan. No. 1,060,772; May 6; Gaz. vol. 190; p. 71.
- Perforating paper strips, Apparatus for. A. Pollák. No. 1,071,340; Aug. 26; Gaz. vol. 193; p. 871.
- Perforator. W. B. Hausman. No. 1,082,518; Dec. 30; Gaz. vol. 197; p. 1015.
- Perforator, Casing. E. L. Mills. No. 1,063,277; June 3; Gaz. vol. 191; p. 37.
- Perforator, Electric paper. W. J. Koster. No. 1,053,301; Feb. 18; Gaz. vol. 187; p. 574.
- Perforator with a device for reinforcing the punch-holes by adhesive strips in papers to be filed. J. M. Timm. No. 1,068,950; July 29; Gaz. vol. 192; p. 1188.
- Permanent mold and means for operating the same. C. W. McWane. No. 1,083,122; Dec. 30; Gaz. vol. 197; p. 1224.
- Permutation-lock. E. Webb. No. 1,050,883; Jan. 21; Gaz. vol. 186; p. 602.
- Permutation-lock. J. Bil. No. 1,051,800; Jan. 28; Gaz. vol. 186; p. 945.
- Permutation-lock. L. E. Molvig. No. 1,054,596; Feb. 25; Gaz. vol. 187; p. 1053.
- Permutation-lock. B. F. Klohs. No. 1,066,629; July 8; Gaz. vol. 192; p. 283.
- Permutation-lock. H. E. Le Jeune. No. 1,071,443; Aug. 26; Gaz. vol. 193; p. 904.
- Permutation-lock. B. H. Ziehler. No. 1,078,120; Nov. 11; Gaz. vol. 196; p. 333.
- Permutation-lock. A. Fischer. No. 1,083,008; Dec. 30; Gaz. vol. 197; p. 1187.
- Peroxid of hydrogen, Compound for making. C. B. Jacobs. No. 1,076,039; Oct. 21; Gaz. vol. 195; p. 554.
- Persulfates, Manufacture of. G. Adolph and A. Pietzsch. No. 1,059,809; Apr. 22; Gaz. vol. 189; p. 945.
- Pessary. E. F. Petersen. No. 1,052,687; Feb. 11; Gaz. vol. 187; p. 320.
- Petroleum and other hydrocarbon burner. A. Brunette. No. 1,073,326; Sept. 16; Gaz. vol. 194; p. 641.
- Petroleum and petroleum residues, Treating. J. A. Dubbs. No. 1,057,227; Mar. 25; Gaz. vol. 188; p. 974.
- Petroleum-burner. F. Hendricks. No. 1,063,126; May 27; Gaz. vol. 190; p. 981.
- Petroleum or similar oils, Process of and apparatus for refining. M. J. Trumble. No. 1,070,361; Aug. 12; Gaz. vol. 193; p. 467.
- Petroleum-refining apparatus. F. W. Holmes and E. C. Blasdell. No. 1,055,747; Mar. 11; Gaz. vol. 188; p. 403.
- Petroleum-refining apparatus. C. I. Robinson. No. 1,057,395; Mar. 25; Gaz. vol. 188; p. 1028.
- Petticoat. C. Golais. No. 1,059,989; Apr. 29; Gaz. vol. 189; p. 1048.
- Petticoat. E. Eschelbacher. No. 1,074,109; Sept. 30; Gaz. vol. 194; p. 960.
- Petticoat. M. E. Drake. No. 1,082,416; Dec. 23; Gaz. vol. 197; p. 948.
- Pharmaceutical compound. G. M. von Linden, E. Meissen, and A. Strauss. No. 1,072,745; Sept. 9; Gaz. vol. 194; p. 397.
- Pharmaceutical compound. W. Hiemenz and L. Taub. No. 1,073,855; Sept. 23; Gaz. vol. 194; p. 845.
- Pharmaceutical compound. E. Fischer. No. 1,082,510; Dec. 30; Gaz. vol. 197; p. 1013.
- Pharmaceutical compound. A. Thiele. No. 1,082,780; Dec. 30; Gaz. vol. 197; p. 1110.
- Pharmaceutical compounds. W. Hiemenz and W. Kropp. No. 1,056,542; Mar. 18; Gaz. vol. 188; p. 709.
- Pharmaceutical compounds. M. Engelmann. No. 1,060,327; Apr. 29; Gaz. vol. 189; p. 1164.
- Pharmaceutical preparations, Manufacturing. E. Scheetlin and E. Kunz. No. 1,068,083; July 22; Gaz. vol. 192; p. 847.
- Pharmaceutical product. M. Stern. No. 1,052,762; Feb. 11; Gaz. vol. 187; p. 344.
- Pharmaceutical product. L. Taub. No. 1,073,942; Sept. 23; Gaz. vol. 194; p. 875.
- Phenol and formaldehyde, Making an anhydrous reaction product of. F. G. Wiechmann. No. 1,080,188; Dec. 2; Gaz. vol. 197; p. 94.
- Phone attachment. E. McGough. No. 1,051,611; Jan. 28; Gaz. vol. 186; p. 885.
- Phonograph. T. A. Edison. No. 1,050,355; Jan. 14; Gaz. vol. 186; p. 386.
- Phonograph. P. Weber. No. 1,058,284; Apr. 8; Gaz. vol. 189; p. 349.
- Phonograph. A. Schwer. No. 1,058,911; Apr. 15; Gaz. vol. 189; p. 605.
- Phonograph. P. Catucci. No. 1,067,405; July 15; Gaz. vol. 192; p. 585.
- Phonograph. F. L. Dyer. No. 1,075,771; Oct. 14; Gaz. vol. 195; p. 434.
- Phonograph. P. Catucci. No. 1,077,973; Nov. 11; Gaz. vol. 196; p. 283.
- Phonograph. P. Weber. No. 1,081,352; Dec. 16; Gaz. vol. 197; p. 561.
- Phonograph. F. L. Dyer. No. 1,081,374; Dec. 16; Gaz. vol. 197; p. 569.
- Phonograph and graphophone and operative mechanism therefor, Combined. J. Hosler. No. 1,063,262; June 3; Gaz. vol. 191; p. 31.
- Phonograph and moving-picture apparatus, Combination. D. Higham. No. 1,054,203; Feb. 25; Gaz. vol. 187; p. 919.
- Phonograph brake and stop. B. J. Genesey. No. 1,061,282; May 13; Gaz. vol. 190; p. 281.
- Phonograph, Multiple. J. Roever. No. 1,049,923; Jan. 7; Gaz. vol. 186; p. 204.
- Phonograph, Multiple. J. Roever. No. 1,072,873; Sept. 9; Gaz. vol. 194; p. 443.
- Phonograph-record-disk file. J. D. Rockwell. No. 1,060,559; Apr. 29; Gaz. vol. 189; p. 1245.
- Phonograph-records, Making. T. A. Edison. No. 1,078,265; Nov. 11; Gaz. vol. 196; p. 383.
- Phonograph-records, Making duplicate. J. W. Aylsworth. No. 1,060,577; May 6; Gaz. vol. 190; p. 4.
- Phonograph-records, Molding. J. W. Aylsworth. No. 1,075,807; Oct. 14; Gaz. vol. 195; p. 446.
- Phonograph-reproducer. T. A. Edison. No. 1,052,656; Feb. 11; Gaz. vol. 187; p. 309.
- Phonograph-reproducer. A. L. Burke. No. 1,065,212; June 17; Gaz. vol. 191; p. 759.
- Phonograph-reproducer. A. Luciano. No. 1,080,839; Dec. 9; Gaz. vol. 197; p. 354.
- Phonograph sound-box. P. Catucci. No. 1,059,345; Apr. 22; Gaz. vol. 189; p. 790.
- Phonograph sound-modifying reproducer. C. G. Carlson. No. 1,077,593; Nov. 4; Gaz. vol. 196; p. 122.
- Phonograph stop mechanism. G. H. Taggart. No. 1,080,386; Dec. 2; Gaz. vol. 197; p. 166.
- Phonograph, Vibrating-record. D. M. Bliss. No. 1,076,741; Oct. 28; Gaz. vol. 195; p. 853.
- Phonographs, Automatic needle-feeder for. E. C. Jordan. No. 1,060,551; Apr. 29; Gaz. vol. 189; p. 1242.
- Phonographs, Holder for flexible dictating-tubes of. E. Stoddard. No. 1,066,059; July 1; Gaz. vol. 192; p. 55.
- Phonographic horn. F. W. Houlston. No. 1,069,642; Aug. 5; Gaz. vol. 193; p. 190.
- Phonographic record. I. Kitsee. No. 1,074,873; Oct. 7; Gaz. vol. 195; p. 96.
- Phonographic recorder. H. H. Schneider. No. 1,050,238; Jan. 14; Gaz. vol. 186; p. 345.
- Phonographic recording or reproducing apparatus. T. A. Edison. No. 1,078,264; Nov. 11; Gaz. vol. 196; p. 383.
- Phosphate and nitrate of ammonia, Simultaneously producing. E. Collett. No. 1,058,037; Apr. 8; Gaz. vol. 189; p. 263.
- Phosphorites, Converting. H. V. Dunham. No. 1,074,779; Oct. 7; Gaz. vol. 195; p. 67.
- Phosphorites, Converting. H. V. Dunham. No. 1,076,200; Oct. 21; Gaz. vol. 195; p. 608.
- Phosphorus sesquisulfid, Obtaining pure. A. Stock. No. 1,054,250; Feb. 25; Gaz. vol. 187; p. 935.
- Photo printing apparatus. H. L. Mansfield and B. Rogers. No. 1,049,504; Jan. 7; Gaz. vol. 186; p. 62.
- Photo printing-machine. O. C. Courtright and A. D. Mika. No. 1,051,691; Jan. 28; Gaz. vol. 186; p. 910.
- Photo printing-machine, Automatic. G. M. Dye. No. 1,076,876; Oct. 28; Gaz. vol. 195; p. 900.

Alphabetical list of inventions—Continued.

- Photograph-developing apparatus. R. Crompton. No. 1,057,712; Apr. 1; Gaz. vol. 189; p. 108.
- Photograph-developing apparatus. F. W. Norton. No. 1,074,572; Sept. 30; Gaz. vol. 194; p. 1111.
- Photograph-drying apparatus. C. L. Otto. No. 1,082,818; Dec. 30; Gaz. vol. 197; p. 1123.
- Photograph-printing device. A. E. Lipp. No. 1,051,424; Jan. 28; Gaz. vol. 186; p. 820.
- Photograph-printing device. A. E. Lipp. No. 1,073,430; Sept. 16; Gaz. vol. 194; p. 677.
- Photograph-printing machine. G. Krain. No. 1,059,473; Apr. 22; Gaz. vol. 189; p. 835.
- Photographs, Appliance for making flash-light. L. D. Little. No. 1,065,880; June 24; Gaz. vol. 191; p. 1025.
- Photographs, cards, price-tickets, &c., Easel or holder for. W. R. Clough. No. 1,081,018; Dec. 9; Gaz. vol. 197; p. 412.
- Photographs in natural colors, Making. R. Fischer. No. 1,055,155; Mar. 4; Gaz. vol. 188; p. 168.
- Photographer's cabinet. A. Erikson. No. 1,057,417; Apr. 1; Gaz. vol. 189; p. 9.
- Photographer's flash-light. J. L. Courson. No. 1,063,778; June 3; Gaz. vol. 191; p. 210.
- Photographer's printing-mask. A. J. Plummer. No. 1,051,910; Feb. 4; Gaz. vol. 187; p. 21.
- Photographic apparatus, Copy-holder for. W. R. Schwab. No. 1,070,848; Aug. 19; Gaz. vol. 193; p. 673.
- Photographic apparatus, Flash-light. C. D. Allen. No. 1,076,091; Oct. 21; Gaz. vol. 195; p. 572.
- Photographic developing apparatus. H. B. Tobias. No. 1,072,792; Sept. 9; Gaz. vol. 194; p. 413.
- Photographic developing device, Portable. J. C. Oliver. No. 1,080,995; Dec. 9; Gaz. vol. 197; p. 405.
- Photographic developing-table. H. E. Seeley. No. 1,059,492; Apr. 22; Gaz. vol. 189; p. 842.
- Photographic exposure-meter. P. Boucher. No. 1,078,482; Nov. 11; Gaz. vol. 196; p. 459.
- Photographic-film pack. C. L. Hopkins. No. 1,054,691; Mar. 4; Gaz. vol. 188; p. 12.
- Photographic films, Rack for drying. D. J. Rorabeck. No. 1,072,654; Sept. 9; Gaz. vol. 194; p. 365.
- Photographic flash-lighting. H. E. Coston. No. 1,059,278; Apr. 15; Gaz. vol. 189; p. 731.
- Photographic images, Development of. W. H. Caldwell. No. 1,082,622; Dec. 30; Gaz. vol. 197; p. 1054.
- Photographic lens. W. Bielicke. No. 1,073,950; Sept. 23; Gaz. vol. 194; p. 878.
- Photographic lenses, Means for improving the definition of. H. Casler. No. 1,082,678; Dec. 30; Gaz. vol. 197; p. 1074.
- Photographic objective. E. Wandersleb. No. 1,073,789; Sept. 23; Gaz. vol. 194; p. 823.
- Photographic objective. C. C. Minor. No. 1,077,420; Nov. 4; Gaz. vol. 196; p. 64.
- Photographic plate and paper developing machine. E. S. Gerhard. No. 1,061,667; May 13; Gaz. vol. 190; p. 416.
- Photographic-plate drier. C. M. Mogni. No. 1,071,943; Sept. 2; Gaz. vol. 194; p. 94.
- Photographic-plate holder. T. Bänder. No. 1,052,029; Feb. 4; Gaz. vol. 187; p. 64.
- Photographic plates, Apparatus for treating. T. Bänder. No. 1,077,186; Oct. 28; Gaz. vol. 195; p. 1002.
- Photographic plates to be developed in daylight, Apparatus enabling. R. L. Caballero. No. 1,079,288; Nov. 18; Gaz. vol. 196; p. 766.
- Photographic print and plate washer. A. G. McGregor. No. 1,070,711; Aug. 19; Gaz. vol. 193; p. 628.
- Photographic-print drier. P. H. Wedmark. No. 1,049,427; Jan. 7; Gaz. vol. 186; p. 37.
- Photographic-print washer. J. A. Robertson. No. 1,053,223; Feb. 18; Gaz. vol. 187; p. 547.
- Photographic-printing apparatus. A. W. Dreyfoos. No. 1,051,567; Jan. 28; Gaz. vol. 186; p. 869.
- Photographic-printing apparatus. G. A. Ley. No. 1,052,732; Feb. 11; Gaz. vol. 187; p. 333.
- Photographic-printing apparatus. A. S. Howell. No. 1,056,794; Mar. 25; Gaz. vol. 188; p. 824.
- Photographic-printing apparatus. W. C. Huebner. No. 1,058,975; Apr. 15; Gaz. vol. 189; p. 627.
- Photographic-printing apparatus. L. J. Mitchell. No. 1,062,294; May 20; Gaz. vol. 190; p. 666.
- Photographic-printing-apparatus timing device. D. McDonald. No. 1,054,435; Feb. 25; Gaz. vol. 187; p. 999.
- Photographic-printing device. H. Abert. No. 1,052,876; Feb. 11; Gaz. vol. 187; p. 384.
- Photographic-printing device. W. G. Owen. No. 1,057,873; Apr. 1; Gaz. vol. 189; p. 164.
- Photographic-printing device. F. A. Brownell. No. 1,060,813; May 6; Gaz. vol. 190; p. 85.
- Photographic-printing frame. H. A. Anderson. No. 1,050,511; Jan. 14; Gaz. vol. 186; p. 442.
- Photographic-printing frame. F. L. Herreshoff. No. 1,056,099; Mar. 18; Gaz. vol. 188; p. 556.
- Photographic-printing frame. J. Goddard. No. 1,064,637; June 10; Gaz. vol. 191; p. 536.
- Photographic-printing frame. G. W. Druhe. No. 1,072,215; Sept. 2; Gaz. vol. 194; p. 185.
- Photographic-printing machine. W. C. Huebner. No. 1,055,749; Mar. 11; Gaz. vol. 188; p. 403.
- Photographic-printing machine. D. Horsley. No. 1,059,296; Apr. 15; Gaz. vol. 189; p. 736.
- Photographic-printing machine. J. N. Anderson. No. 1,075,680; Oct. 14; Gaz. vol. 195; p. 403.
- Photographic-printing machine. H. A. Anderson. No. 1,077,213; Oct. 28; Gaz. vol. 195; p. 1012.
- Photographic-printing machine. J. L. Higginbotham. No. 1,082,748; Dec. 30; Gaz. vol. 197; p. 1098.
- Photographic-printing mask. H. E. Niles. No. 1,060,618; May 6; Gaz. vol. 190; p. 19.
- Photographic-printing mask. N. W. Carkbuff. No. 1,061,727; May 13; Gaz. vol. 190; p. 437.
- Photographic-printing stand. N. De Clark. No. 1,051,700; Jan. 28; Gaz. vol. 186; p. 913.
- Photographic recording apparatus for galvanometers, oscillographs, &c. E. Müllner. No. 1,054,598; Feb. 25; Gaz. vol. 187; p. 1053.
- Photographic recording apparatus, Illuminating device for. F. Simpson and A. R. T. Woods. No. 1,068,370; July 22; Gaz. vol. 192; p. 946.
- Photographic reproductions, Making colored. J. Lewisohn. No. 1,071,559; Aug. 26; Gaz. vol. 193; p. 943.
- Photographic retouching-frame. H. Sumbulian. No. 1,074,664; Oct. 7; Gaz. vol. 195; p. 27.
- Photographic screen. W. C. Huebner. No. 1,060,982; May 6; Gaz. vol. 190; p. 146.
- Photographic sheets, Machine for washing and drying. C. J. Everett and J. V. McAdam. No. 1,077,464; Nov. 4; Gaz. vol. 196; p. 79.
- Photographic shutter. P. J. Marks. No. 1,049,379; Jan. 7; Gaz. vol. 186; p. 21.
- Photographic shutter. W. F. Folmer. No. 1,060,331; Apr. 29; Gaz. vol. 189; p. 1165.
- Photographic shutters, Driving and braking device, or releasing device, for. C. Weber. No. 1,076,253; Oct. 21; Gaz. vol. 195; p. 625.
- Photographic silver-pictures, Toning. R. Fischer. No. 1,079,756; Nov. 25; Gaz. vol. 196; p. 962.
- Photographic silver-prints, Toning-bath for. P. Rehländer. No. 1,064,379; June 10; Gaz. vol. 191; p. 448.
- Photographic washing apparatus. T. Buckland. No. 1,067,403; July 15; Gaz. vol. 192; p. 584.
- Photographing and developing apparatus. G. C. Beidler. No. 1,057,397; Mar. 25; Gaz. vol. 188; p. 1028.
- Photographing apparatus. J. Brielloff. No. 1,070,400; Aug. 19; Gaz. vol. 193; p. 522.
- Photographing objects with projected backgrounds. H. Sontag. No. 1,053,887; Feb. 18; Gaz. vol. 187; p. 773.
- Photography, Apparatus for color. O. Pfenninger. No. 1,066,526; July 8; Gaz. vol. 192; p. 246.
- Photography, Color. A. Hamburger. No. 1,059,867; Apr. 22; Gaz. vol. 189; p. 962.
- Photography in colors. A. J. B. Tauleigne and E. Mazo. No. 1,059,917; Apr. 22; Gaz. vol. 189; p. 978.
- Photography, Making party-colored screens for use in color. C. L. A. Brasseur. No. 1,081,484; Dec. 16; Gaz. vol. 197; p. 606.
- Photogravures and apparatus therefor, Process of producing polychrome. J. Trau. No. 1,069,830; Aug. 12; Gaz. vol. 193; p. 285.
- Photomechanical process for printing therefrom, Apparatus for transferring designs onto a cylindrical surface by. L. J. R. Holst. No. 1,051,997; Feb. 4; Gaz. vol. 187; p. 52.
- Photometric device. I. G. Priest. No. 1,072,166; Sept. 2; Gaz. vol. 194; p. 170.
- Phrasing attachment. H. L. Hentz and J. W. Vinal. No. 1,065,446; June 24; Gaz. vol. 191; p. 878.
- Phrasing attachment, Automatic. H. L. Hentz and J. W. Vinal. No. 1,071,315; Aug. 26; Gaz. vol. 193; p. 863.
- Physician's and surgeon's table. G. L. Poll. No. 1,053,214; Feb. 18; Gaz. vol. 187; p. 544.
- Pianissimo device. A. Messina. No. 1,058,994; Apr. 15; Gaz. vol. 189; p. 633.
- Piano. A. J. Osswald. No. 1,063,584; June 3; Gaz. vol. 191; p. 140.
- Piano. H. Mather. No. 1,079,711; Nov. 25; Gaz. vol. 196; p. 944.
- Piano. F. A. Knight. No. 1,081,537; Dec. 16; Gaz. vol. 197; p. 624.
- Piano accenting device, Automatic. E. N. Heard. No. 1,070,464; Aug. 19; Gaz. vol. 193; p. 544.
- Piano-action. L. H. Maier. No. 1,055,546; Mar. 11; Gaz. vol. 188; p. 335.
- Piano-action. L. N. Soper. No. 1,056,375; Mar. 18; Gaz. vol. 188; p. 648.
- Piano-action. F. Schimmel. No. 1,071,801; Sept. 2; Gaz. vol. 194; p. 46.
- Piano-action. F. Peck. No. 1,079,435; Nov. 25; Gaz. vol. 196; p. 848.
- Piano-action. R. H. Mulliner. No. 1,082,895; Dec. 30; Gaz. vol. 197; p. 1149.
- Piano-action-flange holder. H. D. Pelle. No. 1,074,289; Sept. 30; Gaz. vol. 194; p. 1019.
- Piano-action rail. W. B. Allen. No. 1,068,398; July 22; Gaz. vol. 192; p. 955.
- Piano-action spring. F. H. Abendschein. No. 1,063,311; June 3; Gaz. vol. 191; p. 47.

Alphabetical list of inventions—Continued.

- Piano-actions, Extension-bracket for. F. C. Billings. No. 1,056,395; Mar. 18; Gaz. vol. 188; p. 654.
- Piano attachment. I. Traversaro. No. 1,073,944; Sept. 23; Gaz. vol. 194; p. 876.
- Piano attachment, Player-. W. B. Jefferson. No. 1,070,480; Aug. 19; Gaz. vol. 193; p. 550.
- Piano, Automatically-operated. A. G. Gulbransen. No. 1,078,673; Nov. 18; Gaz. vol. 196; p. 555.
- Piano autoplating connection. R. A. Gally. No. 1,055,394; Mar. 11; Gaz. vol. 188; p. 286.
- Piano-bridge. G. Schroeder. No. 1,064,017; June 10; Gaz. vol. 191; p. 325.
- Piano, Coin-operated automatic. E. A. Kingsley and K. O. Carlson. No. 1,071,640; Aug. 26; Gaz. vol. 193; p. 970.
- Piano, Combination-. P. Welin. No. 1,059,094; Apr. 15; Gaz. vol. 189; p. 669.
- Piano fall-board. P. M. Zeidler. No. 1,050,507; Jan. 14; Gaz. vol. 186; p. 441.
- Piano fall-board, Upright-. C. Mehlin. No. 1,077,732; Nov. 4; Gaz. vol. 196; p. 167.
- Piano-locking device, Automatic-player-. W. C. Stephenson. No. 1,071,366; Aug. 26; Gaz. vol. 193; p. 880.
- Piano mechanism, Automatic. A. Kucera. No. 1,051,961; Feb. 4; Gaz. vol. 187; p. 40.
- Piano or other string instrument. F. Frankel. No. 1,073,673; Sept. 23; Gaz. vol. 194; p. 783.
- Piano-pedal. S. W. Widney. No. 1,078,025; Nov. 11; Gaz. vol. 196; p. 301.
- Piano-pedal. C. Mehlin. No. 1,079,945; Dec. 2; Gaz. vol. 197; p. 7.
- Piano pedal-action. R. F. Morenus. No. 1,070,512; Aug. 19; Gaz. vol. 193; p. 561.
- Piano pedal-operator, Pneumatic-. J. C. Cake. No. 1,064,706; June 17; Gaz. vol. 191; p. 596.
- Piano-pedals, Apparatus for automatically operating. C. W. Nyström. No. 1,062,249; May 20; Gaz. vol. 190; p. 651.
- Piano, Player-. S. L. Dickinson. No. 1,059,123; Apr. 15; Gaz. vol. 189; p. 678.
- Piano, Player-. J. Leisch. No. 1,066,632; July 8; Gaz. vol. 192; p. 284.
- Piano, Player-. J. Leisch. No. 1,066,633; July 8; Gaz. vol. 192; p. 284.
- Piano, Player-. J. Leisch. No. 1,068,509; July 29; Gaz. vol. 192; p. 1032.
- Piano, Player-. E. R. Philblade. No. 1,075,853; Oct. 14; Gaz. vol. 195; p. 462.
- Piano-player, Automatic. M. Verstraelen. No. 1,051,468; Jan. 28; Gaz. vol. 186; p. 835.
- Piano-player, Automatic. J. Schwertner. No. 1,077,167; Oct. 28; Gaz. vol. 195; p. 996.
- Piano-player automatic mechanism. F. R. Goolman. No. 1,054,837; Mar. 4; Gaz. vol. 188; p. 64.
- Piano-player having self-setting device, Automatic. K. O. Carlson. No. 1,068,217; July 22; Gaz. vol. 192; p. 893.
- Piano-player, Mechanical. J. F. White. No. 1,055,847; Mar. 11; Gaz. vol. 188; p. 437.
- Piano-player mechanism. W. T. Waite. No. 1,064,575; June 10; Gaz. vol. 191; p. 516.
- Piano-player mechanism. W. T. Waite. (Reissue.) No. 1,3603; Aug. 5; Gaz. vol. 193; p. 199.
- Piano-player-operating mechanism. B. R. Van Valkenburg. No. 1,054,806; Mar. 4; Gaz. vol. 188; p. 53.
- Piano-player paper-feed-controlling apparatus. E. R. Philblade. No. 1,081,913; Dec. 16; Gaz. vol. 197; p. 747.
- Piano-player, Pneumatic. F. W. Bordner. No. 1,049,443; Jan. 7; Gaz. vol. 186; p. 42.
- Piano-player, Pneumatic-electric. G. Beuchner and H. Semrau. No. 1,073,792; Sept. 23; Gaz. vol. 194; p. 824.
- Piano-player tracker mechanism. E. T. Turney. No. 1,056,858; Mar. 25; Gaz. vol. 188; p. 845.
- Piano-players, Bellows for. A. Anderson. No. 1,055,251; Mar. 4; Gaz. vol. 188; p. 198.
- Piano-players, Device for producing forte effects with. M. Hanemann. No. 1,059,460; Apr. 22; Gaz. vol. 189; p. 830.
- Piano-players, Operating-contact for automatic. E. B. Sherman. No. 1,052,427; Feb. 4; Gaz. vol. 187; p. 199.
- Piano-players, &c., Pneumatic action for. G. P. Brand. No. 1,067,969; July 22; Gaz. vol. 192; p. 808.
- Piano-players, Self-setting mechanism for. E. A. Kingsley and K. O. Carlson. No. 1,070,698; Aug. 19; Gaz. vol. 193; p. 624.
- Piano-players, Tempo-controller for. E. T. Turney. No. 1,056,234; Mar. 18; Gaz. vol. 188; p. 603.
- Piano-players, Tempo-regulator for pneumatic. J. O'Connor. No. 1,060,783; May 6; Gaz. vol. 190; p. 75.
- Piano-playing-controlling device. R. A. Gally. No. 1,056,984; Mar. 25; Gaz. vol. 188; p. 889.
- Piano-playing expression device. R. A. Gally. No. 1,059,987; Apr. 29; Gaz. vol. 189; p. 1047.
- Piano-playing mechanism. B. R. Van Valkenburg. No. 1,074,563; Sept. 30; Gaz. vol. 194; p. 1108.
- Piano-playing mechanism. B. R. Van Valkenburg. No. 1,077,206; Oct. 28; Gaz. vol. 196; p. 1009.
- Piano-playing mechanism and the like. C. W. Atkinson. No. 1,068,399; July 22; Gaz. vol. 192; p. 956.
- Piano-playing pumping-pedals. R. A. Gally. No. 1,056,985; Mar. 25; Gaz. vol. 188; p. 890.
- Piano, Pneumatic. C. Freborg. No. 1,081,603; Dec. 16; Gaz. vol. 197; p. 644.
- Piano pneumatic attachment. W. A. Watson. No. 1,059,324; Apr. 15; Gaz. vol. 189; p. 746.
- Piano, Pneumatic player-. J. Leisch. No. 1,062,104; May 20; Gaz. vol. 190; p. 602.
- Piano rim, Grand-. J. T. Mayer. No. 1,079,506; Nov. 25; Gaz. vol. 196; p. 873.
- Piano sounding-board. R. Schmitt and J. Rindlisbacher. No. 1,052,755; Feb. 11; Gaz. vol. 187; p. 341.
- Piano string-plate. J. Andersen. No. 1,072,294; Sept. 2; Gaz. vol. 194; p. 211.
- Piano with transposing-keyboard. A., F., and B. Mauro. No. 1,071,767; Sept. 2; Gaz. vol. 194; p. 34.
- Pianos and similar musical instruments, Expression device for automatic. M. M. Kastner and C. Katz. No. 1,055,469; Mar. 11; Gaz. vol. 188; p. 311.
- Pianos and the like, Action for player-. A. H. Foss. No. 1,065,677; June 24; Gaz. vol. 191; p. 957.
- Pianos and the like, Automatic pedal-folder for player-. F. C. White. No. 1,077,499; Nov. 4; Gaz. vol. 196; p. 92.
- Pianos and the like, Controlling apparatus for automatic. J. Schwertner. No. 1,060,031; Apr. 29; Gaz. vol. 189; p. 1062.
- Pianos, &c., Bell attachment for. D. W. Barton. No. 1,050,513; Jan. 14; Gaz. vol. 186; p. 443.
- Pianos, Combined transposition and automatic tracking device for player-. J. Leisch. No. 1,062,103; May 20; Gaz. vol. 190; p. 601.
- Pianos, Expression mechanism for automatic. G. H. Davis. No. 1,080,424; Dec. 2; Gaz. vol. 197; p. 179.
- Pianos, Expression-rail for. L. B. Atkins. No. 1,050,329; Jan. 14; Gaz. vol. 186; p. 377.
- Pianos, Front panel for player-. M. Prisciantelli. No. 1,060,627; May 6; Gaz. vol. 190; p. 22.
- Pianos, Hammer-rest-rail-operating device for player-. E. Swanson. No. 1,082,369; Dec. 23; Gaz. vol. 197; p. 935.
- Pianos, Key-rail for player-. W. A. Watson. No. 1,061,430; May 13; Gaz. vol. 190; p. 332.
- Pianos, Leg-operated tempo-lever attachment for player-. F. B. Beinkamp. No. 1,067,962; July 22; Gaz. vol. 192; p. 805.
- Pianos, Music-holder for. H. M. Kauffman. No. 1,082,639; Dec. 30; Gaz. vol. 197; p. 1059.
- Pianos or organs and phonographs together, Attachment for coupling automatic. J. Sampire. No. 1,057,458; Apr. 1; Gaz. vol. 189; p. 22.
- Pianos, Power-pneumatic for player-. J. Leisch. No. 1,066,927; July 8; Gaz. vol. 192; p. 385.
- Pianos, Roll-shifter for player-. W. A. Kruck. No. 1,055,054; Mar. 4; Gaz. vol. 188; p. 136.
- Pianos, Safety device for player-. E. R. Philblade. No. 1,068,167; July 22; Gaz. vol. 192; p. 875.
- Pianos, Sostenuto device for. E. Peterson. No. 1,077,428; Nov. 4; Gaz. vol. 196; p. 66.
- Pianos, String-plate for upright. J. Doll, Jr. No. 1,055,323; Mar. 11; Gaz. vol. 188; p. 260.
- Pianos, Tone-softening mechanism for autopneumatic. W. A. Kupp. No. 1,056,034; Mar. 18; Gaz. vol. 188; p. 534.
- Pianos, Tracker for player-. F. W. Bull. No. 1,051,802; Jan. 28; Gaz. vol. 186; p. 945.
- Pianos, Transposing device for. W. Ibach. No. 1,068,137; July 22; Gaz. vol. 192; p. 865.
- Pianos, Vacuum cleaning-nozzle for. A. I. Reeves. No. 1,070,630; Aug. 19; Gaz. vol. 193; p. 601.
- Pianos, Valve for player-. C. V. Jameson. No. 1,081,533; Dec. 16; Gaz. vol. 197; p. 623.
- Pianoforte pedal mechanism. F. Denninger. No. 1,062,955; May 27; Gaz. vol. 190; p. 926.
- Piaselenol, Derivative of. E. Fischer. No. 1,074,425; Sept. 30; Gaz. vol. 194; p. 1064.
- Pick. J. C. Snyder. No. 1,060,144; Apr. 29; Gaz. vol. 189; p. 1097.
- Pick. D. D. Keltner. No. 1,078,585; Nov. 11; Gaz. vol. 196; p. 493.
- Pick-holder. S. Young. No. 1,062,527; May 20; Gaz. vol. 190; p. 742.
- Pick, Miner's. J. P. Craven. No. 1,076,103; Oct. 21; Gaz. vol. 195; p. 576.
- Pick-up table and canceling-machine, Combined. J. T. Lynch and G. E. Bolton. No. 1,054,223; Feb. 25; Gaz. vol. 187; p. 927.
- Pick-up table and postmarking-machine, Combined. J. T. Lynch. No. 1,073,808; Sept. 23; Gaz. vol. 194; p. 829.
- Picker. See Core-picker; Cotton-picker; Fruit-picker; Peanut-picker; Poultry-picker; Prune-picker; Shaker-picker; Slate-picker; Vegetable-picker.
- Picker-head check. A. A. Perkins. No. 1,057,977; Apr. 1; Gaz. vol. 189; p. 198.
- Picker-motion. J. T. Batting and L. N. Lafayette. No. 1,071,133; Aug. 26; Gaz. vol. 193; p. 801.
- Picker-stick. E. Chevette. No. 1,081,579; Dec. 16; Gaz. vol. 197; p. 635.
- Picker-stick check. H. Brunelle. No. 1,070,768; Aug. 19; Gaz. vol. 198; p. 648.

Alphabetical list of inventions—Continued.

- Picket-forming machine. J. W. Snedeker. No. 1,056,225; Mar. 18; Gaz. vol. 188; p. 599.
- Pickle-splitter. B. Ott. No. 1,064,531; June 10; Gaz. vol. 191; p. 500.
- Picture and voice-reproducing machine, Motion-. H. T. Crapo. No. 1,062,324; May 20; Gaz. vol. 190; p. 676.
- Picture apparatus, Moving-. C. F. Jenkins. No. 1,083,016; Dec. 30; Gaz. vol. 197; p. 1190.
- Picture device, Composite-. T. E. Washburn. No. 1,064,576; June 10; Gaz. vol. 191; p. 516.
- Picture device, Shadow-. F. E. Spoerer. No. 1,065,562; June 24; Gaz. vol. 191; p. 917.
- Picture-displaying box. A. Lessing. No. 1,058,445; Apr. 8; Gaz. vol. 189; p. 407.
- Picture-exhibiting machine. E. F. Schrader. No. 1,066,536; July 8; Gaz. vol. 192; p. 249.
- Picture-exhibiting machine. C. A. Braun. No. 1,082,260; Dec. 23; Gaz. vol. 197; p. 896.
- Picture-exhibitor. A. M. Becker. No. 1,057,993; Apr. 1; Gaz. vol. 189; p. 203.
- Picture film, Moving-. C. E. Dressler and I. W. Ullman. No. 1,073,411; Sept. 16; Gaz. vol. 194; p. 671.
- Picture films, Machine for detecting defects in motion-. R. Nicolet. No. 1,076,691; Oct. 28; Gaz. vol. 195; p. 835.
- Picture-frame. M. Elyovszky. No. 1,049,830; Jan. 7; Gaz. vol. 186; p. 174.
- Picture-frame. A. K. Hoodwin and E. J. Kipp. No. 1,062,710; May 27; Gaz. vol. 190; p. 845.
- Picture-frame. J. McLellan. No. 1,077,622; Nov. 4; Gaz. vol. 196; p. 131.
- Picture-frame. J. McLellan. No. 1,077,623; Nov. 4; Gaz. vol. 196; p. 132.
- Picture-frame clamp, Adjustable. E. H. Ringer. No. 1,059,764; Apr. 22; Gaz. vol. 189; p. 930.
- Picture-frame construction. N. P. Seaberg. No. 1,053,114; Feb. 11; Gaz. vol. 187; p. 467.
- Picture frame, Interchangeable-. A. Abraham. No. 1,068,621; July 29; Gaz. vol. 192; p. 1071.
- Picture-frame-supporting means. N. P. Seaberg. No. 1,053,113; Feb. 11; Gaz. vol. 187; p. 467.
- Picture-gallery, Portable. F. D. Sears and A. O. Sodergren. No. 1,082,914; Dec. 30; Gaz. vol. 197; p. 1156.
- Picture-hanger. C. K. Fuller. No. 1,065,350; June 24; Gaz. vol. 191; p. 845.
- Picture-holder. A. M. Davison. No. 1,056,636; Mar. 18; Gaz. vol. 188; p. 740.
- Picture-machine magazine, Moving-. W. A. Dietze. No. 1,081,926; Dec. 16; Gaz. vol. 197; p. 751.
- Picture machine, Moving-. G. W. Bingham. No. 1,052,209; Feb. 4; Gaz. vol. 187; p. 126.
- Picture machine, Moving-. C. Green. No. 1,057,234; Mar. 25; Gaz. vol. 188; p. 976.
- Picture machine, Moving-. W. B. Moore and T. H. Armstrong. No. 1,063,207; June 3; Gaz. vol. 191; p. 13.
- Picture machine, Moving-. O. P. M. Davis. No. 1,075,407; Oct. 14; Gaz. vol. 195; p. 310.
- Picture machine, Moving-. L. W. Merkel. No. 1,075,487; Oct. 14; Gaz. vol. 195; p. 337.
- Picture-machine shutter, Moving-. A. C. Niles. No. 1,067,750; July 15; Gaz. vol. 192; p. 701.
- Picture-machine shutter, Moving-. W. P. McIlvanie and W. S. Quinby. No. 1,068,912; July 29; Gaz. vol. 192; p. 1174.
- Picture machines, Attachment for moving-. F. H. Frude. No. 1,079,549; Nov. 25; Gaz. vol. 196; p. 887.
- Picture machines, Automatic film-threader for motion-. J. B. Pezzaglia. No. 1,051,630; Jan. 28; Gaz. vol. 186; p. 890.
- Picture machines, Burner for stereopticon and motion-. F. W. Bell. No. 1,070,002; Aug. 12; Gaz. vol. 193; p. 344.
- Picture machines, Film-gate for moving-. B. A. Proctor. No. 1,064,252; June 10; Gaz. vol. 191; p. 405.
- Picture machines, Film-signal for moving-. A. F. Koch. No. 1,078,861; Nov. 18; Gaz. vol. 196; p. 622.
- Picture machines, Film-tensioning device for moving-. C. Huntoon, W. C. Rolfes, and W. L. Wright. No. 1,074,177; Sept. 30; Gaz. vol. 194; p. 982.
- Picture-machines, Intermittent motion for moving-. J. C. Collins. No. 1,059,276; Apr. 15; Gaz. vol. 189; p. 730.
- Picture machines, Protective mounting for the lenses of moving-. C. Huntoon, W. C. Rolfes, and W. L. Wright. No. 1,053,512; Feb. 18; Gaz. vol. 187; p. 648.
- Picture machines, Safety attachment for moving-. C. E. Morton. No. 1,061,101; May 6; Gaz. vol. 190; p. 185.
- Picture machines, Take-up device for motion-. A. L. Saltzman. No. 1,071,800; Sept. 2; Gaz. vol. 194; p. 46.
- Picture-mold, Metal. G. S. Knapp. No. 1,055,758; Mar. 11; Gaz. vol. 188; p. 406.
- Picture-molding, Metal. B. M. Reynolds. No. 1,060,708; May 6; Gaz. vol. 190; p. 51.
- Picture-mount. F. E. Housh. No. 1,080,219; Dec. 2; Gaz. vol. 197; p. 105.
- Picture or sign frame. F. G. Davison. No. 1,064,450; June 10; Gaz. vol. 191; p. 474.
- Picture-projecting apparatus. C. H. Converse and W. H. C. Rider. No. 1,062,081; May 20; Gaz. vol. 190; p. 594.
- Picture-projecting apparatus, Moving-. H. L. Fritz. No. 1,081,733; Dec. 16; Gaz. vol. 197; p. 686.
- Picture-projecting machines, Safety-cell for motion-. C. P. Hulburd. No. 1,057,059; Mar. 25; Gaz. vol. 188; p. 915.
- Picture-projection apparatus, Cabinet-stand for electric. P. T. Wilson. No. 1,065,756; June 24; Gaz. vol. 191; p. 983.
- Picture, Puzzle-. G. R. Hardenbergh. No. 1,055,528; Mar. 11; Gaz. vol. 188; p. 330.
- Picture rewinding mechanisms, Electric signaling device for moving-. C. V. Foote. No. 1,068,119; July 22; Gaz. vol. 192; p. 858.
- Picture screen, Moving-. P. E. Thomason. No. 1,059,236; Apr. 15; Gaz. vol. 189; p. 715.
- Picture screen, Moving-. S. H. Jones. No. 1,082,123; Dec. 23; Gaz. vol. 197; p. 847.
- Picture-slides and the like, Process and apparatus for making composite. A. S. Spiegel. No. 1,066,766; July 8; Gaz. vol. 192; p. 332.
- Picture-support. P. Pollard. No. 1,063,728; June 3; Gaz. vol. 191; p. 194.
- Pictures, Apparatus for the production of stereoscopic. H. Neuhaus. No. 1,074,284; Sept. 30; Gaz. vol. 194; p. 1018.
- Pictures by sunlight, Machine for projecting. F. T. Wilson. No. 1,065,757; June 24; Gaz. vol. 191; p. 984.
- Pictures, designs, or ornaments, Producing. F. B. Bannan. No. 1,061,804; May 13; Gaz. vol. 190; p. 459.
- Pictures, Shiftable screen for moving. F. W. Hochstetter. No. 1,080,692; Dec. 9; Gaz. vol. 197; p. 299.
- Pie-crust forming and trimming device. G. B. Morrison. No. 1,063,890; June 3; Gaz. vol. 191; p. 246.
- Pie-plate attachment. G. A. Muzzy. No. 1,058,088; Apr. 8; Gaz. vol. 189; p. 281.
- Pier or wharf. J. S. Williams. No. 1,049,432; Jan. 7; Gaz. vol. 186; p. 39.
- Pier quay-wall, Winged-. H. C. Smith. No. 1,075,229; Oct. 7; Gaz. vol. 195; p. 221.
- Piers and bridges, Drift-wheel for. G. M. D. Bell. No. 1,077,508; Nov. 4; Gaz. vol. 196; p. 96.
- Pigeon-trap. H. C. Waldmann. No. 1,051,470; Jan. 28; Gaz. vol. 186; p. 836.
- Pigment. R. Hochstetter. No. 1,052,145; Feb. 4; Gaz. vol. 187; p. 104.
- Pigment and making the same. R. Bohn. No. 1,055,701; Mar. 11; Gaz. vol. 188; p. 388.
- Pigment, Making gold. J. W. Hasburg. No. 1,057,422; Apr. 1; Gaz. vol. 189; p. 11.
- Pile-cap. M. Schalscha. No. 1,062,363; May 20; Gaz. vol. 190; p. 689.
- Pile-cutting machine. A. Morton. No. 1,082,894; Dec. 30; Gaz. vol. 197; p. 1149.
- Pile drill, Foundation-. E. W. Minter. No. 1,067,363; July 15; Gaz. vol. 192; p. 570.
- Pile-driver. A. B. Clark. No. 1,066,469; July 8; Gaz. vol. 192; p. 226.
- Pile fabric. F. A. Rauner. No. 1,057,274; Mar. 25; Gaz. vol. 188; p. 989.
- Pile fabric. W. H. Mellor. No. 1,080,291; Dec. 2; Gaz. vol. 197; p. 131.
- Pile fabric, Woven. R. Hirst. No. 1,064,482; June 10; Gaz. vol. 191; p. 485.
- Pile fabric, Woven. W. T. Smith. No. 1,070,851; Aug. 19; Gaz. vol. 193; p. 674.
- Pile fabrics during the cutting of the pile thereof, Beaming or mounting weft. G. Roger. No. 1,066,950; July 8; Gaz. vol. 192; p. 393.
- Pile, pier, wharf, and like structure. R. Thomson. No. 1,081,171; Dec. 9; Gaz. vol. 197; p. 461.
- Pile-planking of rolled figured iron. P. Schiffer. No. 1,067,684; July 15; Gaz. vol. 192; p. 680.
- Pile-splice. W. A. McDearmid. No. 1,073,614; Sept. 23; Gaz. vol. 194; p. 761.
- Pile, Teredoproof. P. N. Stankovitch. No. 1,076,248; Oct. 21; Gaz. vol. 195; p. 624.
- Pile-wire-lubricating device. W. H. D. Felton. No. 1,051,720; Jan. 28; Gaz. vol. 186; p. 919.
- Piles, Head-collar for. E. W. Hartman. No. 1,059,461; Apr. 22; Gaz. vol. 189; p. 850.
- Piling. W. Neilson. No. 1,070,833; Aug. 19; Gaz. vol. 193; p. 668.
- Piling, &c., Device for securing together sheet. E. H. Fahrney. No. 1,059,722; Apr. 22; Gaz. vol. 189; p. 916.
- Piling guard, Sheet. M. A. Green. No. 1,070,886; Aug. 19; Gaz. vol. 193; p. 685.
- Piling, Integral sheet. C. C. Conkling. No. 1,076,021; Oct. 21; Gaz. vol. 195; p. 548.
- Piling, Interlocking sheet. J. W. Sederquist. No. 1,067,489; July 15; Gaz. vol. 192; p. 613.
- Piling, Iron. F. Wieder. No. 1,079,814; Nov. 25; Gaz. vol. 196; p. 982.
- Piling joint, Tubular-. F. McCluskey. No. 1,051,427; Jan. 28; Gaz. vol. 186; p. 821.
- Piling made of iron rolled into Z form, Sheet. K. F. W. Lamp. No. 1,066,822; July 8; Gaz. vol. 192; p. 349.
- Piling mechanism. W. M. Gustin. No. 1,082,693; Dec. 30; Gaz. vol. 197; p. 1078.
- Piling, Metal sheet. C. H. Quimby, Jr. No. 1,060,858; May 6; Gaz. vol. 190; p. 102.
- Piling, Metal sheet. W. B. Templeton. No. 1,078,970; Nov. 18; Gaz. vol. 196; p. 658.

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- Piling, Metallic sheet-. J. S. Owens. No. 1,077,295; Nov. 4; Gaz. vol. 196; p. 18.
- Piling, Protected. C. C. Conkling. No. 1,063,185; June 3; Gaz. vol. 191; p. 6.
- Piling-protecting device. J. Crockett and L. Lockwood. No. 1,074,698; Oct. 7; Gaz. vol. 195; p. 39.
- Piling, Sheet-. G. B. Hoag. No. 1,052,251; Feb. 4; Gaz. vol. 187; p. 141.
- Pillow. M. E. McComb. No. 1,068,355; July 22; Gaz. vol. 192; p. 942.
- Pillow-sham holder. W. McGowan. No. 1,053,105; Feb. 11; Gaz. vol. 187; p. 464.
- Pilot, Adjustable. J. M. Sledge. No. 1,078,467; Nov. 11; Gaz. vol. 196; p. 454.
- Pilot-beam. E. P. Kinne. No. 1,072,125; Sept. 2; Gaz. vol. 194; p. 156.
- Pilot-light protector. H. H. Davenport. No. 1,074,840; Oct. 7; Gaz. vol. 195; p. 85.
- Pilot-lighter. P. M. Boeck. No. 1,073,321; Sept. 16; Gaz. vol. 194; p. 639.
- Pin: See Banking-pin; Bowling-pin; Brooch-pin; Center-pin; Clothes-pin; Cotter-pin; Cuff-pin; Dowel-pin; Drawing-pin; Hair-pin; Hat-pin; Larding-pin; Push-pin; Safety-pin; Scarf-pin; Stick-pin; Tenpin; Tent-pin; Wire pin.
- Pin. S. Fischer. No. 1,070,794; Aug. 19; Gaz. vol. 193; p. 657.
- Pin. E. Morehouse. No. 1,071,564; Aug. 26; Gaz. vol. 193; p. 944.
- Pin. C. F. Markham. No. 1,073,769; Sept. 23; Gaz. vol. 194; p. 817.
- Pin. C. G. King. No. 1,074,270; Sept. 30; Gaz. vol. 194; p. 1013.
- Pin. G. W. Dover. No. 1,077,599; Nov. 4; Gaz. vol. 196; p. 124.
- Pin. C. F. Markham. No. 1,079,015; Nov. 18; Gaz. vol. 196; p. 676.
- Pin. N. C. Wallenthin. No. 1,080,872; Dec. 9; Gaz. vol. 197; p. 364.
- Pin-boy, Automatic. F. N. Lawrence. No. 1,063,983; June 10; Gaz. vol. 191; p. 312.
- Pin clutch or guard. T. Sokolowski. No. 1,056,306; Mar. 18; Gaz. vol. 188; p. 627.
- Pin-guard. J. H. Anderton. No. 1,068,833; July 29; Gaz. vol. 192; p. 1147.
- Pin-guard. C. H. Upton. No. 1,075,520; Oct. 14; Gaz. vol. 195; p. 349.
- Pin-joint for articles of jewelry. F. P. Barney. No. 1,071,132; Aug. 26; Gaz. vol. 193; p. 801.
- Pin-making machine, Safety-. E. S. Ingraham. No. 1,082,873; Dec. 30; Gaz. vol. 197; p. 1141.
- Pin-puller. F. H. Skinner. No. 1,072,521; Sept. 9; Gaz. vol. 194; p. 318.
- Pin-puller, Double-acting. F. H. Skinner. No. 1,072,520; Sept. 9; Gaz. vol. 194; p. 318.
- Pin safety-catch. W. W. Middlebrook. No. 1,049,383; Jan. 7; Gaz. vol. 186; p. 22.
- Pin safety-catch. R. K. Maker. No. 1,054,701; Mar. 4; Gaz. vol. 188; p. 16.
- Pin safety-catch. E. Morehouse. No. 1,058,192; Apr. 8; Gaz. vol. 189; p. 318.
- Pin safety device. W. M. Brothers. No. 1,055,130; Mar. 4; Gaz. vol. 188; p. 162.
- Pin-stem. A. F. Kraemer. No. 1,066,922; July 8; Gaz. vol. 192; p. 384.
- Pin-tongue. G. E. Munson. No. 1,056,356; Mar. 18; Gaz. vol. 188; p. 641.
- Pin-tongue for bar-pins, &c. A. W. Hutchins. No. 1,049,363; Jan. 7; Gaz. vol. 186; p. 15.
- Pin-tongue holder. T. W. Johnson. No. 1,082,593; Dec. 30; Gaz. vol. 197; p. 1043.
- Pin-tumbler lock. J. S. Resch. No. 1,050,692; Jan. 14; Gaz. vol. 186; p. 500.
- Pin-tumbler mechanism. C. F. Kohlberger. No. 1,060,769; May 6; Gaz. vol. 190; p. 70.
- Pins, Machine for making. J. Kelley. No. 1,066,120; July 1; Gaz. vol. 192; p. 76.
- Pins, Making platinum-covered. C. H. Kerk. No. 1,081,451; Dec. 16; Gaz. vol. 197; p. 594.
- Pinacone, Producing. A. Jonas and E. Tschunkur. No. 1,068,777; July 29; Gaz. vol. 192; p. 1125.
- Pinacones, Producing. A. Jonas and E. Tschunkur. No. 1,079,916; Nov. 25; Gaz. vol. 196; p. 1017.
- Pincers. S. D. Foye. No. 1,051,322; Jan. 21; Gaz. vol. 186; p. 752.
- Pincers. R. N. Johnson. No. 1,067,033; July 8; Gaz. vol. 192; p. 419.
- Pincers for pulling-over and lasting machines. R. E. Crain. No. 1,058,155; Apr. 8; Gaz. vol. 189; p. 305.
- Pineapple-centering attachment. H. G. Ginaca. No. 1,075,031; Oct. 7; Gaz. vol. 195; p. 152.
- Pineapple-machines, Centering attachment for. H. G. Ginaca. No. 1,060,248; Apr. 29; Gaz. vol. 189; p. 1135.
- Pipe: See Blowpipe; Concrete sectional pipe; Conducting-pipe; Culvert-pipe; Drain-pipe; Drill-pipe; Irrigation-pipe; Magazine-pipe; Organ-pipe; Sheet-metal pipe; Smoker's pipe; Smoking-pipe; Stand-pipe; Stovepipe; Tobacco-pipe.
- Pipe. J. T. Sargent. No. 1,064,547; June 10; Gaz. vol. 191; p. 506.
- Pipe. C. J. Holub. No. 1,067,172; July 8; Gaz. vol. 192; p. 467.
- Pipe. I. E. Work. No. 1,071,197; Aug. 26; Gaz. vol. 193; p. 822.
- Pipe. A. W. Larison and J. Stuckel. No. 1,082,030; Dec. 23; Gaz. vol. 197; p. 817.
- Pipe-anchor. C. E. Frederickson. No. 1,074,427; Sept. 30; Gaz. vol. 194; p. 1065.
- Pipe and cable hanger. J. H. Goehst and E. F. Hamill. No. 1,069,937; Aug. 12; Gaz. vol. 193; p. 322.
- Pipe and cigar-holder, Combination. M. H. Baron. No. 1,082,393; Dec. 23; Gaz. vol. 197; p. 942.
- Pipe attachment, Water-. J. K. Finlay. No. 1,058,572; Apr. 8; Gaz. vol. 189; p. 448.
- Pipe-ball. P. Chrystie and R. D. Chapman. No. 1,056,970; Mar. 25; Gaz. vol. 188; p. 885.
- Pipe-band wire-looping machine. C. P. Fuhrmann. No. 1,072,844; Sept. 9; Gaz. vol. 194; p. 432.
- Pipe-bender. J. C. Devitt. No. 1,056,781; Mar. 25; Gaz. vol. 188; p. 820.
- Pipe-bending machine. C. K. Lassiter. No. 1,052,069; Feb. 4; Gaz. vol. 187; p. 77.
- Pipe-bending machine. C. C. Rutledge. No. 1,079,442; Nov. 25; Gaz. vol. 196; p. 850.
- Pipe-bending tool. O. A. Malo and F. H. Melat. No. 1,075,837; Oct. 14; Gaz. vol. 195; p. 457.
- Pipe-bends, Making U-shaped. P. Esch. No. 1,074,783; Oct. 7; Gaz. vol. 195; p. 68.
- Pipe-bends, Making U-shaped. P. Esch. No. 1,075,201; Oct. 7; Gaz. vol. 195; p. 211.
- Pipe-bowls, Apparatus for treating. H. S. Chapin. No. 1,076,867; Oct. 28; Gaz. vol. 195; p. 897.
- Pipe-clamp and angle-cock holder, Combined. E. L. Adreon, Jr. No. 1,064,117; June 10; Gaz. vol. 191; p. 359.
- Pipe clamp, Well-. C. L. Gardner. No. 1,058,577; Apr. 8; Gaz. vol. 189; p. 450.
- Pipe-cleaner. J. Pfister. No. 1,057,771; Apr. 1; Gaz. vol. 189; p. 128.
- Pipe-cleaner. T. J. Sayre. No. 1,068,606; July 29; Gaz. vol. 192; p. 1066.
- Pipe-cleaner. J. D. Carey and B. Goldenthal. No. 1,078,253; Nov. 11; Gaz. vol. 196; p. 379.
- Pipe-cleaning apparatus. W. J. McKay. No. 1,068,598; July 29; Gaz. vol. 192; p. 1063.
- Pipe cleanser, Beer-. J. L. Steitz. No. 1,064,105; June 10; Gaz. vol. 191; p. 355.
- Pipe collars, Forming metal-. M. Schitzkowsky. No. 1,050,175; Jan. 14; Gaz. vol. 186; p. 325.
- Pipe connection, Automatic. J. W. Roberts. No. 1,062,927; May 27; Gaz. vol. 190; p. 916.
- Pipe connection, Roof-. C. L. Holt. No. 1,059,671; Apr. 22; Gaz. vol. 189; p. 900.
- Pipe connections, Joint for train-. J. A. Corrigan and E. M. Mortimer. No. 1,078,129; Nov. 11; Gaz. vol. 196; p. 336.
- Pipe connector, Automatic train-. V. S. Durbin. No. 1,074,849; Oct. 7; Gaz. vol. 195; p. 88.
- Pipe connector, Automatic train-. O. K. Putnam. No. 1,075,854; Oct. 14; Gaz. vol. 195; p. 462.
- Pipe construction. J. W. Welch. No. 1,052,112; Feb. 4; Gaz. vol. 187; p. 93.
- Pipe construction. J. W. Welch. No. 1,074,395; Sept. 30; Gaz. vol. 194; p. 1055.
- Pipe construction, Corrugated-. M. J. McMartin. No. 1,076,595; Oct. 21; Gaz. vol. 195; p. 748.
- Pipe-coupling. C. Rudolph. No. 1,054,244; Feb. 25; Gaz. vol. 187; p. 933.
- Pipe-coupling. G. S. Chapin. No. 1,057,708; Apr. 1; Gaz. vol. 189; p. 107.
- Pipe-coupling. B. H. Parker, A. H. Lange, and V. S. Perazio. No. 1,058,255; Apr. 8; Gaz. vol. 189; p. 339.
- Pipe-coupling. S. L. Brown. No. 1,058,542; Apr. 8; Gaz. vol. 189; p. 439.
- Pipe-coupling. P. R. Schuyler. No. 1,059,319; Apr. 15; Gaz. vol. 189; p. 744.
- Pipe-coupling. R. Clark. No. 1,059,438; Apr. 22; Gaz. vol. 189; p. 823.
- Pipe-coupling. N. C. Lane. No. 1,062,015; May 20; Gaz. vol. 190; p. 571.
- Pipe-coupling. C. A. Smith. No. 1,068,943; July 29; Gaz. vol. 192; p. 1185.
- Pipe-coupling. J. Rossell. No. 1,071,585; Aug. 26; Gaz. vol. 193; p. 951.
- Pipe-coupling. E. J. Kelly. No. 1,072,736; Sept. 9; Gaz. vol. 194; p. 393.
- Pipe-coupling. D. C. Bailey. No. 1,073,017; Sept. 9; Gaz. vol. 194; p. 495.
- Pipe-coupling. G. J. Ferguson. No. 1,074,706; Oct. 7; Gaz. vol. 195; p. 42.
- Pipe-coupling. J. T. McCracken. No. 1,077,417; Nov. 4; Gaz. vol. 196; p. 63.
- Pipe-coupling. J. H. Taylor. No. 1,078,009; Nov. 11; Gaz. vol. 196; p. 295.
- Pipe-coupling. R. L. Beattie. No. 1,082,993; Dec. 30; Gaz. vol. 197; p. 1182.
- Pipe coupling, Automatic fluid-. J. D. Scott. No. 1,059,223; Apr. 15; Gaz. vol. 189; p. 711.

Alphabetical list of inventions—Continued.

- Pipe coupling, Automatic train-. W. D. Leftwich. No. 1,081,125; Dec. 9; Gaz. vol. 197; p. 445.
- Pipe coupling, Automatic train-. H. Fredricks. No. 1,082,941; Dec. 30; Gaz. vol. 197; p. 1164.
- Pipe-coupling, Ball-and-socket. A. H. Cooper. No. 1,057,939; Apr. 1; Gaz. vol. 189; p. 185.
- Pipe-coupling device. G. Westinghouse. No. 1,063,755; June 3; Gaz. vol. 191; p. 203.
- Pipe-coupling device. H. R. Ewert. No. 1,065,516; June 24; Gaz. vol. 191; p. 901.
- Pipe-coupling-locking device, Train-. W. A. Greenlaw. No. 1,053,910; Feb. 18; Gaz. vol. 187; p. 782.
- Pipe coupling, Train-. C. C. Crowell and N. A. Siebenaller. No. 1,051,563; Jan. 28; Gaz. vol. 186; p. 868.
- Pipe coupling, Train-. V. S. Durbin. No. 1,060,562; Apr. 29; Gaz. vol. 189; p. 1246.
- Pipe coupling, Train-. W. S. Bright. No. 1,066,446; July 1; Gaz. vol. 192; p. 187.
- Pipe-couplings, Making clamping-rings for. J. Clark. No. 1,060,320; Apr. 29; Gaz. vol. 189; p. 1161.
- Pipe-couplings, Wrought-metal ring for. L. P. Whitaker. No. 1,061,712; May 13; Gaz. vol. 190; p. 432.
- Pipe-cutter. W. H. Johnson. No. 1,064,655; June 10; Gaz. vol. 191; p. 542.
- Pipe-cutter. I. W. Nonneman. No. 1,076,223; Oct. 21; Gaz. vol. 195; p. 617.
- Pipe-cutting machine. W. W. Vosper. No. 1,074,334; Sept. 30; Gaz. vol. 194; p. 1034.
- Pipe-fitting. A. C. Casavant. No. 1,055,318; Mar. 11; Gaz. vol. 188; p. 258.
- Pipe-fitting. C. R. Byam. No. 1,067,642; July 15; Gaz. vol. 192; p. 665.
- Pipe-fitting. D. G. Anderson. No. 1,075,281; Oct. 7; Gaz. vol. 195; p. 241.
- Pipe-fitting and steam-separator, Combined. W. S. Elliott. No. 1,080,333; Dec. 2; Gaz. vol. 197; p. 145.
- Pipe fitting, Soil-. J. G. Huss and W. A. Smith. No. 1,062,008; May 20; Gaz. vol. 190; p. 568.
- Pipe fitting, Soil-. S. M. Smith. No. 1,081,633; Dec. 16; Gaz. vol. 197; p. 653.
- Pipe-fitting tool. J. Ogg. No. 1,065,387; June 24; Gaz. vol. 191; p. 857.
- Pipe-flanging. J. H. Manning. No. 1,076,592; Oct. 21; Gaz. vol. 195; p. 747.
- Pipe-flanging machine. F. M. Patterson. No. 1,054,865; Mar. 4; Gaz. vol. 188; p. 73.
- Pipe-flanging machine. J. H. Manning. No. 1,076,134; Oct. 21; Gaz. vol. 195; p. 586.
- Pipe-flanging-machine die. F. M. Patterson. No. 1,057,664; Apr. 1; Gaz. vol. 189; p. 92.
- Pipe-gripper, Internal. S. R. McConnell. No. 1,069,560; Aug. 5; Gaz. vol. 193; p. 162.
- Pipe guard, Smoking-. C. H. Robinson. No. 1,082,445; Dec. 23; Gaz. vol. 197; p. 958.
- Pipe-hanger. G. I. Rockwood. No. 1,052,278; Feb. 4; Gaz. vol. 187; p. 150.
- Pipe-hanger. A. Sidoli. No. 1,056,596; Mar. 18; Gaz. vol. 188; p. 727.
- Pipe-hanger. L. A. Hoerr. No. 1,057,057; Mar. 25; Gaz. vol. 188; p. 915.
- Pipe-hanger. J. P. Swan. No. 1,062,372; May 20; Gaz. vol. 190; p. 692.
- Pipe-hanger. J. P. Swan. No. 1,062,373; May 20; Gaz. vol. 190; p. 692.
- Pipe-hanger. L. A. Carpenter and R. Middleton. No. 1,063,852; June 3; Gaz. vol. 191; p. 234.
- Pipe-hanger. A. J. Loepsinger. No. 1,077,727; Nov. 4; Gaz. vol. 196; p. 166.
- Pipe hanger or support. G. H. McFeaters. No. 1,063,566; June 3; Gaz. vol. 191; p. 134.
- Pipe-hanger support. U. S. Rickman. No. 1,072,361; Sept. 2; Gaz. vol. 194; p. 234.
- Pipe-holding tool. W. G. Moores. No. 1,058,454; Apr. 8; Gaz. vol. 189; p. 409.
- Pipe jack or holder. J. Peterson. No. 1,081,513; Dec. 16; Gaz. vol. 197; p. 616.
- Pipe-joint. F. Albert. No. 1,065,892; June 24; Gaz. vol. 191; p. 1029.
- Pipe-joint. W. Christy. No. 1,069,674; Aug. 12; Gaz. vol. 193; p. 231.
- Pipe-joint-calking machine. C. C. Simpson, Jr. No. 1,065,629; June 24; Gaz. vol. 191; p. 940.
- Pipe-joint, Elbow. F. A. Neven. No. 1,077,741; Nov. 4; Gaz. vol. 196; p. 171.
- Pipe joint, Locomotive-exhaust-. J. J. Jones. No. 1,076,289; Oct. 21; Gaz. vol. 195; p. 639.
- Pipe joint, Sewer-. J. M. Phelan. No. 1,057,267; Mar. 25; Gaz. vol. 188; p. 987.
- Pipe-joint, Swinging. W. Kirkwood. No. 1,069,554; Aug. 5; Gaz. vol. 193; p. 161.
- Pipe-joints of the bell-and-spigot type, Clamp for. J. Clark. No. 1,070,667; Aug. 19; Gaz. vol. 193; p. 614.
- Pipe-line repair device. J. Clark. No. 1,051,086; Jan. 21; Gaz. vol. 186; p. 673.
- Pipe-lining apparatus. G. W. Priest. No. 1,072,495; Sept. 9; Gaz. vol. 194; p. 309.
- Pipe, Means for holding. B. F. Hiniker. No. 1,051,585; Jan. 28; Gaz. vol. 186; p. 875.
- Pipe-mill. J. J. Connor. No. 1,049,999; Jan. 7; Gaz. vol. 186; p. 230.
- Pipe-molding machine. J. Diber. No. 1,060,437; Apr. 29; Gaz. vol. 189; p. 1203.
- Pipe-molds, Apparatus for making. W. C. Swift. No. 1,079,959; Dec. 2; Gaz. vol. 197; p. 12.
- Pipe-molds, Pattern for ramming. R. G. James. No. 1,072,235; Sept. 2; Gaz. vol. 194; p. 191.
- Pipe or rod cutter. G. Mullins. No. 1,081,857; Dec. 16; Gaz. vol. 197; p. 729.
- Pipe or shaft hanger. J. E. Jones. No. 1,075,356; Oct. 14; Gaz. vol. 195; p. 292.
- Pipe-patch. J. Marmorstein. No. 1,073,505; Sept. 16; Gaz. vol. 194; p. 701.
- Pipe-patch clamp. W. G. Bate. No. 1,066,575; July 8; Gaz. vol. 192; p. 264.
- Pipe-peening machine. J. I. Pilston. No. 1,079,065; Nov. 18; Gaz. vol. 196; p. 693.
- Pipe-pickling apparatus. M. S. Curtis. No. 1,066,800; July 8; Gaz. vol. 192; p. 342.
- Pipe-plug. G. W. McCutchen. No. 1,075,842; Oct. 14; Gaz. vol. 195; p. 458.
- Pipe-remover. J. A. Smith. No. 1,053,446; Feb. 18; Gaz. vol. 187; p. 625.
- Pipe-riveting machine. C. G. Naylor and R. R. Robertson. No. 1,081,691; Dec. 16; Gaz. vol. 197; p. 671.
- Pipe, Sealing the joints of sectional concrete. J. C. Mitchell. No. 1,054,857; Mar. 4; Gaz. vol. 188; p. 71.
- Pipe section, Sewer-. W. H. Rook, Jr. No. 1,063,218; June 3; Gaz. vol. 191; p. 17.
- Pipe-stem. C. D. Hill. No. 1,081,929; Dec. 16; Gaz. vol. 197; p. 752.
- Pipe-stock. A. Gordon. No. 1,080,627; Dec. 9; Gaz. vol. 197; p. 277.
- Pipe stopper, Waste-. I. Anderson. No. 1,067,776; July 15; Gaz. vol. 192; p. 710.
- Pipe-straightener. W. J. Moon. No. 1,071,945; Sept. 2; Gaz. vol. 194; p. 95.
- Pipe-support. A. Kehm. No. 1,056,028; Mar. 18; Gaz. vol. 188; p. 532.
- Pipe-support. W. B. Gray. No. 1,079,758; Nov. 25; Gaz. vol. 196; p. 962.
- Pipe-support. W. B. Gray. No. 1,079,759; Nov. 25; Gaz. vol. 196; p. 963.
- Pipe-testing machine, Hydrostatic. J. L. Causey. No. 1,072,912; Sept. 9; Gaz. vol. 194; p. 459.
- Pipe-testing plug. C. M. and C. E. Kemp. No. 1,077,352; Nov. 4; Gaz. vol. 196; p. 39.
- Pipe-thread-cleaning device. C. E. Kramer. No. 1,071,242; Aug. 26; Gaz. vol. 193; p. 838.
- Pipe-threader. D. Dreier. No. 1,053,482; Feb. 18; Gaz. vol. 187; p. 637.
- Pipe threading and cutting machine. F. H. Sampson. No. 1,081,916; Dec. 16; Gaz. vol. 197; p. 748.
- Pipe-threading machine. J. C. Holland. No. 1,065,528; June 24; Gaz. vol. 191; p. 906.
- Pipe-threading machine. L. B. Curtis. No. 1,072,830; Sept. 9; Gaz. vol. 194; p. 427.
- Pipe-threading tool. B. Borden. No. 1,056,085; Mar. 18; Gaz. vol. 188; p. 551.
- Pipe-threading tool. B. Borden. No. 1,062,218; May 20; Gaz. vol. 190; p. 640.
- Pipe-threading tool. B. Borden. No. 1,069,381; Aug. 5; Gaz. vol. 193; p. 103.
- Pipe-threading tools, Die or chaser for. M. W. Bechtel. No. 1,062,212; May 20; Gaz. vol. 190; p. 638.
- Pipe, tube, &c., expander. H. G. Gilmor. No. 1,081,496; Dec. 16; Gaz. vol. 197; p. 610.
- Pipe-union, Ball-and-socket. W. Stafford. No. 1,076,921; Oct. 28; Gaz. vol. 195; p. 916.
- Pipe union or coupling for electric-conduit junction-boxes and other purposes. H. M. Bigwood and F. H. Terry. No. 1,072,379; Sept. 2; Gaz. vol. 194; p. 240.
- Pipe-vise post. H. L. Stauffer. No. 1,054,246; Feb. 25; Gaz. vol. 187; p. 934.
- Pipe-wrench. J. Price. No. 1,050,169; Jan. 14; Gaz. vol. 186; p. 322.
- Pipe-wrench. J. A. Overlander. No. 1,050,683; Jan. 14; Gaz. vol. 186; p. 497.
- Pipe-wrench. A. B. Carll. No. 1,052,313; Feb. 4; Gaz. vol. 187; p. 159.
- Pipe-wrench. H. L. Dickson. No. 1,055,724; Mar. 11; Gaz. vol. 188; p. 394.
- Pipe-wrench. N. Armstrong. No. 1,057,110; Mar. 25; Gaz. vol. 188; p. 934.
- Pipe-wrench. W. N. Fessenden. No. 1,057,816; Apr. 1; Gaz. vol. 189; p. 145.
- Pipe-wrench. W. L. Osborn and G. Lukat. No. 1,058,624; Apr. 8; Gaz. vol. 189; p. 465.
- Pipe-wrench. D. S. Sebastian. No. 1,059,224; Apr. 15; Gaz. vol. 189; p. 712.
- Pipe-wrench. W. E. Urquhart. No. 1,060,040; Apr. 29; Gaz. vol. 189; p. 1065.
- Pipe-wrench. D. Stewart. No. 1,060,374; Apr. 29; Gaz. vol. 189; p. 1180.
- Pipe-wrench. C. E. Tish. No. 1,060,513; Apr. 29; Gaz. vol. 189; p. 1228.
- Pipe-wrench. E. K. Jones. No. 1,060,685; May 6; Gaz. vol. 190; p. 42.
- Pipe-wrench. L. D. Benedict. No. 1,063,153; May 27; Gaz. vol. 190; p. 990.

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- Pipe-wrench. F. Thompson, F. J. Ludlow, and R. A. McDonald. No. 1,064,182; June 10; Gaz. vol. 191; p. 382.
- Pipe-wrench. H. F. Hoffmann. No. 1,070,343; Aug. 12; Gaz. vol. 193; p. 460.
- Pipe-wrench. O. Becklin. No. 1,071,687; Sept. 2; Gaz. vol. 194; p. 5.
- Pipe-wrench. C. L. Dunham. No. 1,072,320; Sept. 2; Gaz. vol. 194; p. 219.
- Pipe-wrench. W. R. Evans. No. 1,074,936; Oct. 7; Gaz. vol. 195; p. 118.
- Pipe-wrench. W. E. Urquhart. No. 1,075,878; Oct. 14; Gaz. vol. 195; p. 470.
- Pipe-wrench. W. Cameron. No. 1,077,591; Nov. 4; Gaz. vol. 196; p. 121.
- Pipe-wrench. G. M. Gealy. No. 1,078,426; Nov. 11; Gaz. vol. 196; p. 441.
- Pipe-wrench. R. L. Underwood. No. 1,080,607; Dec. 9; Gaz. vol. 197; p. 270.
- Pipe-wrench attachment for monkey-wrenches. C. N. Nelk. No. 1,077,964; Nov. 4; Gaz. vol. 196; p. 249.
- Pipe-wrench, Chain. A. L. Moore. No. 1,054,708; Mar. 4; Gaz. vol. 188; p. 18.
- Pipe-wrench, Chain. A. McKinnon. No. 1,062,349; May 20; Gaz. vol. 190; p. 684.
- Pipe-wrench, Interior. G. Raithel. No. 1,067,195; July 8; Gaz. vol. 192; p. 476.
- Pipes, burners, &c., Attachment for gas. B. L. Bond and G. V. Karlson. No. 1,056,001; Mar. 18; Gaz. vol. 188; p. 523.
- Pipes, Ceiling-sleeve for fluid. J. W., M. S., and D. F. Farley. No. 1,060,328; Apr. 29; Gaz. vol. 189; p. 1165.
- Pipes, Clean-out ferrule for drain or soil. P. Mueller. No. 1,060,693; May 6; Gaz. vol. 190; p. 45.
- Pipes, Coupling telescopic. P. Mueller and A. C. Schuermann. No. 1,057,763; Apr. 1; Gaz. vol. 189; p. 124.
- Pipes, Cushioning device for liquid-conveying. T. J. Fox. No. 1,056,529; Mar. 18; Gaz. vol. 188; p. 705.
- Pipes, Device for removing obstructions from drain. H. E. Asbury and W. C. Atkinson. No. 1,077,784; Nov. 4; Gaz. vol. 196; p. 186.
- Pipes, Making armored. H. Kröger. No. 1,067,991; July 22; Gaz. vol. 192; p. 815.
- Pipes or the like, Hood for mouthpieces of. H. E. Hagmueller. No. 1,079,703; Nov. 25; Gaz. vol. 196; p. 941.
- Pipes, Separable fastening for sectional. K. J. Thorsby. No. 1,050,871; Jan. 21; Gaz. vol. 186; p. 598.
- Pipes, Silencer for exhaust. I. M. Cottrell and G. Bimber. No. 1,059,279; Apr. 15; Gaz. vol. 189; p. 731.
- Pipes, tubes, &c., Device for expanding. W. R. Haysom. No. 1,063,258; June 3; Gaz. vol. 191; p. 30.
- Pipes with heads, &c., Means for connecting. K. M. Dahl. No. 1,072,208; Sept. 2; Gaz. vol. 194; p. 183.
- Pistol. C. Walther. No. 1,059,581; Apr. 22; Gaz. vol. 189; p. 871.
- Pistol. L. Woods. No. 1,073,312; Sept. 16; Gaz. vol. 194; p. 636.
- Pistol, Automatic. J. H. Wesson. No. 1,059,245; Apr. 15; Gaz. vol. 189; p. 719.
- Pistol, Folding. H. M. Sprague. No. 1,059,405; Apr. 22; Gaz. vol. 189; p. 810.
- Pistol, Semi-automatic magazine. H. M. Kolb. No. 1,070,040; Aug. 12; Gaz. vol. 193; p. 357.
- Piston. G. Frank. No. 1,054,345; Feb. 25; Gaz. vol. 187; p. 968.
- Piston. W. R. Hewitt. No. 1,057,643; Apr. 1; Gaz. vol. 189; p. 84.
- Piston. C. Y. Knight. No. 1,061,756; May 13; Gaz. vol. 190; p. 445.
- Piston. H. G. King. No. 1,068,347; July 22; Gaz. vol. 192; p. 938.
- Piston, Engine. H. A. Swanson. No. 1,053,678; Feb. 18; Gaz. vol. 187; p. 704.
- Piston, Explosive-engine. F. W. Derby and H. Kaiser. No. 1,053,790; Feb. 18; Gaz. vol. 187; p. 743.
- Piston for engines. G. T. Strite. No. 1,076,326; Oct. 21; Gaz. vol. 195; p. 652.
- Piston-head. W. H. McCrory. No. 1,079,055; Nov. 18; Gaz. vol. 196; p. 690.
- Piston, Internal-combustion-engine. J. D. Russ. No. 1,063,602; June 3; Gaz. vol. 191; p. 148.
- Piston, Internal-combustion-engine. A. Willmer. No. 1,065,289; June 17; Gaz. vol. 191; p. 786.
- Piston, Meter. L. H. Nash. No. 1,050,037; Jan. 7; Gaz. vol. 186; p. 243.
- Piston-ring. H. H. Patrick. No. 1,083,130; Dec. 30; Gaz. vol. 197; p. 1226.
- Piston-ring remover. H. G. Harper. No. 1,054,347; Feb. 25; Gaz. vol. 187; p. 969.
- Piston-ring remover. W. C. MacKinnon. No. 1,071,934; Sept. 2; Gaz. vol. 194; p. 92.
- Piston-rings, Manufacturing. D. J. Campbell. No. 1,050,102; Jan. 14; Gaz. vol. 186; p. 301.
- Piston-rod-lubricating device, Explosive-engine. R. Ragan. No. 1,063,592; June 3; Gaz. vol. 191; p. 144.
- Piston-rod lubricator. C. Palomo y Goitandia. No. 1,073,282; Sept. 16; Gaz. vol. 194; p. 625.
- Piston-support. A. Rittersbach. No. 1,064,542; June 10; Gaz. vol. 191; p. 505.
- Piston, Trunk. S. E. Alley and R. McGregor. No. 1,073,062; Sept. 9; Gaz. vol. 194; p. 511.
- Piston wrist-pins, Means for retaining. F. C. Rhoads and H. A. Leis. No. 1,054,942; Mar. 4; Gaz. vol. 188; p. 97.
- Pistons, Cooling. T. Reuter. No. 1,051,008; Jan. 21; Gaz. vol. 186; p. 647.
- Pistons, Making hollow. H. H. Patrick. No. 1,061,922; May 13; Gaz. vol. 190; p. 497.
- Pistons, Safety device for fluid-actuated. W. B. Kollar. No. 1,081,049; Dec. 9; Gaz. vol. 197; p. 421.
- Pistons, Wrist-pin and fastener for. G. E. Wilson. No. 1,054,262; Feb. 25; Gaz. vol. 187; p. 938.
- Pitch, Composition containing. J. Radcliffe. No. 1,071,792; Sept. 2; Gaz. vol. 194; p. 44.
- Pitcher and feeder, Self. G. L. Lasley. No. 1,055,977; Mar. 11; Gaz. vol. 188; p. 480.
- Pitching-machine. H. Torchiani. No. 1,062,131; May 20; Gaz. vol. 190; p. 611.
- Pitchfork attachment. O. C. Engebretson. No. 1,072,592; Sept. 9; Gaz. vol. 194; p. 344.
- Pitman connection. J. M. Primm. No. 1,057,270; Mar. 25; Gaz. vol. 188; p. 988.
- Pitman, Windmill. G. F. Kregel. No. 1,058,603; Apr. 8; Gaz. vol. 189; p. 458.
- Pivot connection. J. S. Davis. No. 1,081,940; Dec. 16; Gaz. vol. 197; p. 756.
- Pivot-polishing machine. K. L. Sheets. No. 1,053,232; Feb. 18; Gaz. vol. 187; p. 550.
- Pivotal support. S. W. Brundage. No. 1,059,825; Apr. 22; Gaz. vol. 189; p. 950.
- Placard apparatus. J. Wagner. No. 1,051,788; Jan. 28; Gaz. vol. 186; p. 940.
- Placards with sunk characters or imprints, Producing. H. Flock. No. 1,061,059; May 6; Gaz. vol. 190; p. 173.
- Placer-machine. T. H. Bell and C. H. Dennison. No. 1,060,155; Apr. 29; Gaz. vol. 189; p. 1103.
- Plaiting-machines, Device for arresting the plaiting-bobbins of. L. Ebeling, Jr. No. 1,075,819; Oct. 14; Gaz. vol. 195; p. 450.
- Plaits, Machine for the production of tubular. J. Bronedel. No. 1,059,523; Apr. 22; Gaz. vol. 189; p. 851.
- Plane. C. Bodmer and J. M. Burdick. No. 1,053,270; Feb. 18; Gaz. vol. 187; p. 564.
- Plane. J. M. Burdick and C. Bodmer. No. 1,053,274; Feb. 18; Gaz. vol. 187; p. 566.
- Plane. J. M. Burdick and H. P. Richards. No. 1,053,356; Feb. 18; Gaz. vol. 187; p. 594.
- Plane. J. P. Gage. No. 1,059,137; Apr. 15; Gaz. vol. 189; p. 683.
- Plane. F. D. Stine. No. 1,074,821; Oct. 7; Gaz. vol. 195; p. 79.
- Plane attachment. O. S. Flanders. No. 1,080,546; Dec. 9; Gaz. vol. 197; p. 251.
- Plane-cap. C. Bodmer and J. M. Burdick. No. 1,069,669; Aug. 12; Gaz. vol. 193; p. 229.
- Plane for boats, Side. J. D. Hunt, Jr. No. 1,074,951; Oct. 7; Gaz. vol. 195; p. 123.
- Plane guide attachment, Carpenter's. D. Turbeville. No. 1,055,685; Mar. 11; Gaz. vol. 188; p. 382.
- Plane, Nosing. W. G. Best and M. Symons. No. 1,052,881; Feb. 11; Gaz. vol. 187; p. 386.
- Plane, Rabbet. J. H. Shaw. No. 1,069,735; Aug. 12; Gaz. vol. 193; p. 252.
- Planes, Jointer-gage attachment for. A. F. Schade. No. 1,057,582; Apr. 1; Gaz. vol. 189; p. 63.
- Planer and scraper, Floor. C. Ekberg. No. 1,053,284; Feb. 18; Gaz. vol. 187; p. 569.
- Planer attachment, &c. E. R. Whitney. No. 1,057,023; Mar. 25; Gaz. vol. 188; p. 904.
- Planer cutter-head. J. C. Dunton. No. 1,075,907; Oct. 14; Gaz. vol. 195; p. 481.
- Planer-heads, Fastening means for. H. J. Mitchell. No. 1,049,589; Jan. 7; Gaz. vol. 186; p. 94.
- Planers and shapers, Attachment for metal. A. D. Gregory and F. G. Sanders. No. 1,062,396; May 20; Gaz. vol. 190; p. 700.
- Planers and the like, Automatic reverse for. A. E. Fisher. No. 1,073,033; Sept. 9; Gaz. vol. 194; p. 500.
- Planers, Pressure-roll for. A. L. Byther. No. 1,075,191; Oct. 7; Gaz. vol. 195; p. 208.
- Planers, Variable-speed electric drive for. A. D. Du Bois. No. 1,057,045; Mar. 25; Gaz. vol. 188; p. 911.
- Planing and dressing machine, Wood. H. Tegtmeyer. No. 1,064,870; June 17; Gaz. vol. 191; p. 650.
- Planing-machine. A. A. Huseby. No. 1,051,594; Jan. 28; Gaz. vol. 186; p. 879.
- Planing-machine. P. A. Solem. No. 1,073,300; Sept. 16; Gaz. vol. 194; p. 632.
- Planing-machine. O. F. Thorn. No. 1,075,739; Oct. 14; Gaz. vol. 195; p. 423.
- Planing-machine. W. E. Villinger. No. 1,083,160; Dec. 30; Gaz. vol. 197; p. 1234.
- Planing machine, Floor. F. Wagner. No. 1,060,041; Apr. 29; Gaz. vol. 189; p. 1065.
- Planing machine, Spoke. J. A. McDougall. No. 1,065,617; June 24; Gaz. vol. 191; p. 936.
- Planing machine, Wood. C. W. Borg. No. 1,072,691; Sept. 9; Gaz. vol. 194; p. 378.

Alphabetical list of inventions—Continued.

- Planing machine, Wood-. P. A. Solem. No. 1,079,032; Nov. 18; Gaz. vol. 196; p. 682.
- Planing-machines, Chip-breaker for. P. A. Solem. No. 1,075,231; Oct. 7; Gaz. vol. 195; p. 221.
- Planing-mill safety device. J. C. and B. A. Bishop. No. 1,053,348; Feb. 18; Gaz. vol. 187; p. 591.
- Planimeter. L. A. Sheldon. No. 1,076,525; Oct. 21; Gaz. vol. 195; p. 723.
- Plant-dusting machine. J. A. Morgan and H. W. Lindsay. No. 1,063,373; June 3; Gaz. vol. 191; p. 69.
- Plant-holder. A. S. Myers. No. 1,077,423; Nov. 4; Gaz. vol. 196; p. 65.
- Plant-protector. W. G. Cowart. No. 1,051,692; Jan. 28; Gaz. vol. 186; p. 911.
- Plant-protector. W. G. Cowart. No. 1,051,693; Jan. 28; Gaz. vol. 186; p. 911.
- Plant-protector. C. A. Bigelow. No. 1,074,828; Oct. 7; Gaz. vol. 195; p. 81.
- Plant-protector. E. R. Drake. No. 1,077,057; Oct. 28; Gaz. vol. 195; p. 964.
- Plant-support. R. H. Comstock. No. 1,051,390; Jan. 28; Gaz. vol. 186; p. 809.
- Plant-supporter. S. Gudgeon. No. 1,073,114; Sept. 16; Gaz. vol. 194; p. 565.
- Plants, Device for controlling the growth of cotton-. C. A. Roman. No. 1,055,231; Mar. 4; Gaz. vol. 188; p. 192.
- Planter. C. H. Dooley. No. 1,067,594; July 15; Gaz. vol. 192; p. 648.
- Planter. J. Gyulay. No. 1,072,942; Sept. 9; Gaz. vol. 194; p. 469.
- Planter. C. R. Davis. No. 1,073,405; Sept. 16; Gaz. vol. 194; p. 669.
- Planter. N. C. Cross. No. 1,073,742; Sept. 23; Gaz. vol. 194; p. 808.
- Planter. S. V. Brock. No. 1,074,240; Sept. 30; Gaz. vol. 194; p. 1003.
- Planter. J. F. Reeder. No. 1,075,668; Oct. 14; Gaz. vol. 195; p. 399.
- Planter. A. W. Asmussen. No. 1,078,121; Nov. 11; Gaz. vol. 196; p. 334.
- Planter. C. B. Thomas. No. 1,080,790; Dec. 9; Gaz. vol. 197; p. 335.
- Planter. J. M. Baker. No. 1,080,802; Dec. 9; Gaz. vol. 197; p. 339.
- Planter and fertilizer-distributor. W. S. Norvell. No. 1,066,310; July 1; Gaz. vol. 192; p. 146.
- Planter and fertilizer-distributor. J. S. Kendig. No. 1,069,016; July 29; Gaz. vol. 192; p. 1208.
- Planter and fertilizer-distributor, Combined. J. D. Blades. No. 1,065,427; June 24; Gaz. vol. 191; p. 872.
- Planter and fertilizer-distributor, Combined. W. L. Schoening. No. 1,074,749; Oct. 7; Gaz. vol. 195; p. 56.
- Planter and fertilizer-distributor, Seed-. J. A. Clarke. No. 1,058,552; Apr. 8; Gaz. vol. 189; p. 442.
- Planter and fertilizer-dropper, Combined. J. Tuggle. No. 1,068,547; July 29; Gaz. vol. 192; p. 1044.
- Planter and marker, Combined grain-. T. B. Nolan. No. 1,054,136; Feb. 25; Gaz. vol. 187; p. 896.
- Planter and rake, Seed-. N. B. Eckbo. No. 1,053,018; Feb. 11; Gaz. vol. 187; p. 432.
- Planter attachment. A. J. Anderson. No. 1,050,903; Jan. 21; Gaz. vol. 186; p. 611.
- Planter attachment. A. H. Burns. No. 1,061,596; May 13; Gaz. vol. 190; p. 392.
- Planter attachment. W. O. Bostrom. No. 1,063,768; June 3; Gaz. vol. 191; p. 207.
- Planter attachment. J. A. Long. No. 1,068,678; July 29; Gaz. vol. 192; p. 1091.
- Planter attachment. W. O. Bostrom. No. 1,080,885; Dec. 9; Gaz. vol. 197; p. 368.
- Planter attachment, Corn-. P. J. Mayer. No. 1,064,922; June 17; Gaz. vol. 191; p. 664.
- Planter attachment, Corn-. S. E. and D. W. Fauber. No. 1,077,516; Nov. 4; Gaz. vol. 196; p. 98.
- Planter attachment, Seed-. S. Milburn. No. 1,072,632; Sept. 9; Gaz. vol. 194; p. 357.
- Planter, Check-row. R. I. Foreman. No. 1,076,358; Oct. 21; Gaz. vol. 195; p. 664.
- Planter, Check-row corn-. M. E. Thomas. No. 1,064,028; June 10; Gaz. vol. 191; p. 328.
- Planter, Check-row seed-. B. M. Stanley. No. 1,060,372; Apr. 29; Gaz. vol. 189; p. 1179.
- Planter, Combination-. F. A. Toney. No. 1,081,345; Dec. 16; Gaz. vol. 197; p. 559.
- Planter, Corn-. M. J. Breen. No. 1,051,075; Jan. 21; Gaz. vol. 186; p. 669.
- Planter, Corn-. K. K. Carr. No. 1,052,459; Feb. 11; Gaz. vol. 187; p. 243.
- Planter, Corn-. J. H. Sparks. No. 1,053,235; Feb. 18; Gaz. vol. 187; p. 551.
- Planter, Corn-. F. P. Scherschel. No. 1,054,454; Feb. 25; Gaz. vol. 187; p. 1005.
- Planter, Corn-. D. A. Haas. No. 1,054,538; Feb. 25; Gaz. vol. 187; p. 1032.
- Planter, Corn-. J. S. Ballard. No. 1,056,768; Mar. 25; Gaz. vol. 188; p. 815.
- Planter, Corn-. A. F. Starr. No. 1,057,985; Apr. 1; Gaz. vol. 189; p. 201.
- Planter, Corn-. F. R. Packham and W. L. Bralcy. No. 1,065,075; June 17; Gaz. vol. 191; p. 716.
- Planter, Corn-. W. S. Graham. No. 1,066,601; July 8; Gaz. vol. 192; p. 273.
- Planter, Corn-. H. Jensen. No. 1,068,500; July 29; Gaz. vol. 192; p. 1029.
- Planter, Corn-. C. W. Gillespie. No. 1,073,749; Sept. 23; Gaz. vol. 194; p. 810.
- Planter, Corn-. G. E. Parker and W. Ellinger. No. 1,073,816; Sept. 23; Gaz. vol. 194; p. 831.
- Planter, Corn-. F. P. Murphey. No. 1,076,145; Oct. 21; Gaz. vol. 195; p. 590.
- Planter, Corn-. L. A. Anfinson. No. 1,076,938; Oct. 28; Gaz. vol. 195; p. 923.
- Planter, Corn-. E. J. Ogden. No. 1,079,797; Nov. 25; Gaz. vol. 196; p. 977.
- Planter, Corn and cotton. M. and S. Robinson and W. A. Davis. No. 1,076,234; Oct. 21; Gaz. vol. 195; p. 620.
- Planter, Corn and pea. G. E. Watson. No. 1,078,395; Nov. 11; Gaz. vol. 196; p. 431.
- Planter, Cotton-. L. L. Bevis. No. 1,051,382; Jan. 28; Gaz. vol. 186; p. 806.
- Planter, Cotton-. B. Sawyer. No. 1,067,066; July 8; Gaz. vol. 192; p. 431.
- Planter, Cotton-seed. W. H. Young. No. 1,054,889; Mar. 4; Gaz. vol. 188; p. 81.
- Planter, Cotton-seed. C. W. Loe and T. L. Mitchell. No. 1,057,487; Apr. 1; Gaz. vol. 189; p. 31.
- Planter cultivator attachment. R. W. Bruene. No. 1,062,882; May 27; Gaz. vol. 190; p. 901.
- Planter dropping device, Corn-. R. L. Ford. No. 1,062,449; May 20; Gaz. vol. 190; p. 717.
- Planter fertilizer attachment. E. E. Englund. No. 1,057,533; Apr. 1; Gaz. vol. 189; p. 47.
- Planter fertilizer-distributor. D. A. Biebinge. No. 1,057,920; Apr. 1; Gaz. vol. 189; p. 180.
- Planter-frame. A. M. Crisman. No. 1,061,456; May 13; Gaz. vol. 190; p. 341.
- Planter gage attachment. B. F. Greimann. No. 1,052,479; Feb. 11; Gaz. vol. 187; p. 250.
- Planter hopper, Potato-. T. J. Kelly. No. 1,075,040; Oct. 7; Gaz. vol. 195; p. 155.
- Planter-marker. D. M. Hopple. No. 1,068,903; July 29; Gaz. vol. 192; p. 1171.
- Planter marker, Corn-. A. J. Greene. No. 1,072,447; Sept. 9; Gaz. vol. 194; p. 293.
- Planter marking attachment. G. L. Hallenbeck. No. 1,058,054; Apr. 8; Gaz. vol. 189; p. 269.
- Planter, Peanut-. E. Knowlton. No. 1,061,384; May 13; Gaz. vol. 190; p. 316.
- Planter, Peanut-. W. L. Harris. No. 1,063,028; May 27; Gaz. vol. 190; p. 949.
- Planter, Peanut-. W. A. Wilson. No. 1,072,552; Sept. 9; Gaz. vol. 194; p. 330.
- Planter, Potato-. L. A. Aspinwall. No. 1,052,203; Feb. 4; Gaz. vol. 187; p. 124.
- Planter, Potato-. E. Johnson. No. 1,055,047; Mar. 4; Gaz. vol. 188; p. 134.
- Planter, Potato-. L. A. Aspinwall. No. 1,059,810; Apr. 22; Gaz. vol. 189; p. 945.
- Planter, Potato-. C. H. Peek. No. 1,065,622; June 24; Gaz. vol. 191; p. 937.
- Planter, Potato-. M. Lesser. No. 1,068,673; July 29; Gaz. vol. 192; p. 1089.
- Planter, Potato-. O. Knoerzer. No. 1,070,898; Aug. 19; Gaz. vol. 193; p. 689.
- Planter, Potato-. E. Bowker. No. 1,079,102; Nov. 18; Gaz. vol. 196; p. 705.
- Planter, pulverizer, and weed-destroyer, Combined. A. Veitl. No. 1,082,055; Dec. 23; Gaz. vol. 197; p. 825.
- Planter, Seed-. T. L. Carter. No. 1,062,766; May 27; Gaz. vol. 190; p. 863.
- Planter, Seed-. R. A. Joyce. No. 1,063,127; May 27; Gaz. vol. 190; p. 982.
- Planter, Seed-. W. E. Biggerstaff. No. 1,063,907; June 3; Gaz. vol. 191; p. 252.
- Planter, Seed-. J. W. Little. No. 1,068,511; July 29; Gaz. vol. 192; p. 1033.
- Planter, Seed-. R. R. Gibson. No. 1,069,083; July 29; Gaz. vol. 192; p. 1232.
- Planter, Seed-. T. H. Evans. No. 1,071,408; Aug. 26; Gaz. vol. 193; p. 894.
- Planter, Seed-. W. Day. No. 1,075,817; Oct. 14; Gaz. vol. 195; p. 449.
- Planter, Seed-. S. Bruckman. No. 1,083,185; Dec. 30; Gaz. vol. 197; p. 1240.
- Planter tractor, Corn-. S. H. Garst. No. 1,057,141; Mar. 25; Gaz. vol. 188; p. 945.
- Planter, Two-row cotton and corn. J. B. and E. I. Henefield. No. 1,073,282; Nov. 11; Gaz. vol. 196; p. 389.
- Planter, Wireless corn-. R. C. Moore. No. 1,062,787; May 27; Gaz. vol. 190; p. 869.
- Planters and fertilizer-distributors, Hill-forming mechanism for. P. M. and C. R. Larmon. No. 1,059,052; Apr. 15; Gaz. vol. 189; p. 653.
- Planters, Automatic device for corn-. D. W. McProud. No. 1,073,269; Sept. 16; Gaz. vol. 194; p. 620.
- Planters, Grain-transfer mechanism for. J. A. Anderson. No. 1,063,902; June 3; Gaz. vol. 191; p. 250.
- Planters, Land-marking attachment for corn-. E. E. White. No. 1,053,078; Feb. 11; Gaz. vol. 187; p. 454.

Alphabetical list of inventions—Continued.

- Planters, Reel mechanism for. J. B. Bartholomew. No. 1,058,694; Apr. 8; Gaz. vol. 189; p. 490.
- Planters, Shifting guide for corn. W. J. Gosnay. No. 1,078,846; Nov. 18; Gaz. vol. 196; p. 617.
- Planting apparatus, Potato. J. B. Crump. No. 1,052,893; Feb. 11; Gaz. vol. 187; p. 390.
- Planting implement. N. P. Jansen. No. 1,053,730; Feb. 18; Gaz. vol. 187; p. 724.
- Planting-machine. W. L. Selleck. No. 1,067,788; July 15; Gaz. vol. 192; p. 714.
- Planting machine, Potato. A. J. Pauly. No. 1,061,490; May 13; Gaz. vol. 190; p. 353.
- Plaster and similar materials, Composition of matter for. W. W. Baker. No. 1,081,565; Dec. 16; Gaz. vol. 197; p. 632.
- Plaster-board and making same. E. Bushman. No. 1,055,316; Mar. 11; Gaz. vol. 188; p. 258.
- Plaster-board composition. J. W. Voglesong. No. 1,066,867; July 8; Gaz. vol. 192; p. 364.
- Plaster-board-cutting machine. D. F. Bernhardt. No. 1,062,814; May 27; Gaz. vol. 190; p. 879.
- Plaster-boards used in partition construction, Supporting device for. M. H. Jester. No. 1,076,766; Oct. 28; Gaz. vol. 195; p. 860.
- Plaster of Paris, Treatment of. H. T. Beans. No. 1,076,863; Oct. 28; Gaz. vol. 195; p. 896.
- Plaster-work, Carrier for. O. Rechnitz. No. 1,078,464; Nov. 11; Gaz. vol. 196; p. 453.
- Plasterer's implement. C. O. Blee, C. Black, and C. Palmer. No. 1,060,810; May 6; Gaz. vol. 190; p. 84.
- Plasterer's or painter's scraping-pan. P. E. Murphy. No. 1,078,944; Nov. 18; Gaz. vol. 196; p. 649.
- Plastering-machine. W. H. Reimer. No. 1,053,645; Feb. 18; Gaz. vol. 187; p. 693.
- Plastering-machine, Pneumatic. P. L. Cron. No. 1,053,014; Feb. 11; Gaz. vol. 187; p. 431.
- Plastering-tool. W. Labelle. No. 1,071,758; Sept. 2; Gaz. vol. 194; p. 31.
- Plastering, Wall-. G. Witty. No. 1,073,008; Sept. 9; Gaz. vol. 194; p. 493.
- Plastic and plastic composition and making same. J. S. Robeson. No. 1,069,031; July 29; Gaz. vol. 192; p. 1213.
- Plastic compound and making it. F. G. Wiechmann. No. 1,067,856; July 22; Gaz. vol. 192; p. 771.
- Plastic material. H. Bizzarri. No. 1,057,921; Apr. 1; Gaz. vol. 189; p. 180.
- Plastic material and preparing it. F. G. Wiechmann. No. 1,067,855; July 22; Gaz. vol. 192; p. 770.
- Plastic material and preparing the same. F. G. Wiechmann. No. 1,061,346; May 13; Gaz. vol. 190; p. 303.
- Plastic material, Apparatus for treating. A. B. Helbig. No. 1,049,712; Jan. 7; Gaz. vol. 186; p. 135.
- Plastic-material feeding and cutting mechanism, Automatic. A. E. Hopkins and O. S. Fellows. No. 1,082,331; Dec. 23; Gaz. vol. 197; p. 921.
- Plastic material, Mold for. J. W. Woolf. No. 1,049,436; Jan. 7; Gaz. vol. 186; p. 40.
- Plastic objects, Compound for treating. V. C. G. Nelson. No. 1,051,907; Feb. 4; Gaz. vol. 187; p. 20.
- Plastic or elastic substance, Production of a. J. Stockhausen. No. 1,061,881; May 13; Gaz. vol. 190; p. 483.
- Plastic phenolic condensation product. J. W. Aylsworth. (Reissue.) No. 13,531; Feb. 11; Gaz. vol. 187; p. 481.
- Plastic waterproof troweling composition, Pigmented. A. C. Horn. No. 1,080,632; Dec. 9; Gaz. vol. 197; p. 279.
- Plate and sheet furnace. H. W. Burnett. No. 1,067,862; July 22; Gaz. vol. 192; p. 772.
- Plate-casting machine. C. H. Pettigrew. No. 1,072,158; Sept. 2; Gaz. vol. 194; p. 168.
- Plate, Combination-. J. L. Satka. No. 1,077,643; Nov. 4; Gaz. vol. 196; p. 139.
- Plate-cutter. A. L. Leidich. No. 1,057,857; Apr. 1; Gaz. vol. 189; p. 159.
- Plate guard, Adjustable guide-. P. Riebe. No. 1,077,432; Nov. 4; Gaz. vol. 196; p. 68.
- Plate-handling machine. L. C. Steele. No. 1,057,183; Mar. 25; Gaz. vol. 188; p. 959.
- Plate-holder and film-pack therefor, Magazine. J. Schmuck. No. 1,066,955; July 8; Gaz. vol. 192; p. 395.
- Plate-holder kit. D. L. Cain. No. 1,065,504; June 24; Gaz. vol. 191; p. 898.
- Plate-holding device. P. W. Weston. No. 1,076,928; Oct. 28; Gaz. vol. 195; p. 919.
- Plate, Perforated. F. Hornby. No. 1,079,245; Nov. 18; Gaz. vol. 196; p. 754.
- Plate, Protecting-. O. M. Druse. No. 1,076,556; Oct. 21; Gaz. vol. 195; p. 734.
- Plate registering and clamping device. M. A. Droitcour. No. 1,075,632; Oct. 14; Gaz. vol. 195; p. 388.
- Plate-registering machine. C. G. Brown. No. 1,056,968; Mar. 25; Gaz. vol. 188; p. 884.
- Plates, Dishing metallic. J. S. Worth. No. 1,061,797; May 13; Gaz. vol. 190; p. 457.
- Plates, Machine for trimming curved. H. Winter. No. 1,059,805; Apr. 22; Gaz. vol. 189; p. 944.
- Plated goods, Manufacturing. D. G. Rea. No. 1,060,361; Apr. 29; Gaz. vol. 189; p. 1176.
- Platform-buffer. J. M. Waugh. No. 1,056,863; Mar. 25; Gaz. vol. 188; p. 847.
- Platform-indicator. C. J. Kintner. No. 1,079,651; Nov. 25; Gaz. vol. 196; p. 923.
- Platform-wheel. J. H. Carr. No. 1,068,563; July 29; Gaz. vol. 192; p. 1049.
- Player-action, Pneumatic. D. R. Carson and G. W. Russell. No. 1,055,605; Mar. 11; Gaz. vol. 188; p. 354.
- Player-actions, Exhaust-regulating valve for pneumatic. E. C. Hiscock. No. 1,051,406; Jan. 28; Gaz. vol. 186; p. 814.
- Player and piano bench, Combination. G. E. Predock. No. 1,049,394; Jan. 7; Gaz. vol. 186; p. 26.
- Player, Automatic keyboard-. C. W. Nyström. No. 1,058,329; Apr. 8; Gaz. vol. 189; p. 366.
- Players, Roll-driving and roll-carriage-adjusting mechanism for automatic. E. Swanson. No. 1,070,637; Aug. 19; Gaz. vol. 193; p. 603.
- Players, Sheet-driving mechanism for automatic. F. W. Draper. No. 1,071,897; Sept. 2; Gaz. vol. 194; p. 79.
- Playhouse, Child's. L. T. Yoder. No. 1,078,027; Nov. 11; Gaz. vol. 196; p. 302.
- Playing apparatus, Automatic. J. Schwertner. (Reissue.) No. 13,536; Feb. 25; Gaz. vol. 187; p. 1076.
- Playing-ball. A. T. Saunders. No. 1,080,592; Dec. 9; Gaz. vol. 197; p. 266.
- Playing instrument, Automatic. J. Schwertner. No. 1,080,595; Dec. 9; Gaz. vol. 197; p. 267.
- Playing instruments, Control device for automatic. J. Schwertner. No. 1,060,032; Apr. 29; Gaz. vol. 189; p. 1062.
- Playing mechanism, Pneumatic action for automatic. E. Swanson. No. 1,079,072; Nov. 18; Gaz. vol. 196; p. 696.
- Playing-surface. G. P. Jackson. No. 1,080,972; Dec. 9; Gaz. vol. 197; p. 398.
- Pliers. F. E. Culver. No. 1,061,358; May 13; Gaz. vol. 190; p. 307.
- Pliers, Combination-tool-handle. M. M. Brice. No. 1,069,106; Aug. 5; Gaz. vol. 193; p. 6.
- Pliers, Crimping-. J. L. Falk. No. 1,066,804; July 8; Gaz. vol. 192; p. 344.
- Pliers, Cutting-. W. A. Bernard. No. 1,077,789; Nov. 4; Gaz. vol. 196; p. 188.
- Pliers, Cutting-. W. A. Bernard. (Reissue.) No. 13,657; Dec. 16; Gaz. vol. 197; p. 756.
- Pliers, nippers, or similar tool. W. A. Bernard. No. 1,057,113; Mar. 25; Gaz. vol. 188; p. 935.
- Pliers, Orthodontist's. W. E. Walker. No. 1,064,404; June 10; Gaz. vol. 191; p. 457.
- Pliers, tongs, and like tool. F. E. V. Beanes. No. 1,066,071; July 1; Gaz. vol. 192; p. 59.
- Plotting device. F. A. Smith. No. 1,065,560; June 24; Gaz. vol. 191; p. 917.
- Plow. J. F. Burns. No. 1,050,264; Jan. 14; Gaz. vol. 186; p. 354.
- Plow. C. W. Thurow. No. 1,050,314; Jan. 14; Gaz. vol. 186; p. 371.
- Plow. C. A. Andersson. No. 1,050,711; Jan. 14; Gaz. vol. 186; p. 506.
- Plow. J. P. Hutto. No. 1,050,833; Jan. 21; Gaz. vol. 186; p. 584.
- Plow. M. De Viese. No. 1,050,923; Jan. 21; Gaz. vol. 186; p. 618.
- Plow. P. A. Montanus and A. W. Grant. No. 1,051,346; Jan. 21; Gaz. vol. 186; p. 760.
- Plow. A. L. Rogers. No. 1,051,516; Jan. 28; Gaz. vol. 186; p. 852.
- Plow. F. and A. Schneider. No. 1,052,283; Feb. 4; Gaz. vol. 187; p. 151.
- Plow. A. H. Willits. No. 1,052,544; Feb. 11; Gaz. vol. 187; p. 271.
- Plow. W. L. Paul. No. 1,053,863; Feb. 18; Gaz. vol. 187; p. 765.
- Plow. W. Sobey. No. 1,056,465; Mar. 18; Gaz. vol. 188; p. 681.
- Plow. J. R. Rossetter. No. 1,056,836; Mar. 25; Gaz. vol. 188; p. 838.
- Plow. C. E. Thomlinson. No. 1,059,785; Apr. 22; Gaz. vol. 189; p. 937.
- Plow. C. A. Brostrom. No. 1,062,141; May 20; Gaz. vol. 190; p. 614.
- Plow. L. E. Waterman. No. 1,063,928; June 3; Gaz. vol. 191; p. 260.
- Plow. A. P. Hawn. No. 1,067,111; July 8; Gaz. vol. 192; p. 447.
- Plow. H. and W. M. Oldendorph. No. 1,067,268; July 15; Gaz. vol. 192; p. 537.
- Plow. S. A. Stewart. No. 1,068,184; July 22; Gaz. vol. 192; p. 880.
- Plow. C. E. North. No. 1,068,922; July 29; Gaz. vol. 192; p. 1178.
- Plow. C. W. Michael. No. 1,070,160; Aug. 12; Gaz. vol. 193; p. 398.
- Plow. N. Sanders. No. 1,072,169; Sept. 2; Gaz. vol. 194; p. 171.
- Plow. F. J. Downing. No. 1,072,838; Sept. 9; Gaz. vol. 194; p. 430.
- Plow. W. E. Huck. No. 1,073,759; Sept. 23; Gaz. vol. 194; p. 814.
- Plow. G. E. Harrison. No. 1,076,671; Oct. 28; Gaz. vol. 195; p. 828.

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- Plow. G. I. De Force. No. 1,076,872; Oct. 28; Gaz. vol. 195; p. 899.
- Plow. A. S. Poe. No. 1,077,158; Oct. 28; Gaz. vol. 195; p. 994.
- Plow. J. Woods. No. 1,077,237; Oct. 28; Gaz. vol. 195; p. 1020.
- Plow. J. T. Eddings. No. 1,077,820; Nov. 4; Gaz. vol. 196; p. 198.
- Plow. E. Seidler. No. 1,078,644; Nov. 18; Gaz. vol. 196; p. 545.
- Plow. J. C. McRae, Jr. No. 1,078,741; Nov. 18; Gaz. vol. 196; p. 580.
- Plow. L. H. Olson. No. 1,078,871; Nov. 18; Gaz. vol. 196; p. 626.
- Plow. R. D. and C. E. Loika. No. 1,079,355; Nov. 25; Gaz. vol. 196; p. 821.
- Plow. E. B. James. No. 1,079,557; Nov. 25; Gaz. vol. 196; p. 891.
- Plow. J. G. Brock. No. 1,079,832; Nov. 25; Gaz. vol. 196; p. 988.
- Plow. W. F. Fielder. No. 1,079,850; Nov. 25; Gaz. vol. 196; p. 994.
- Plow. A. Schmidt. No. 1,080,076; Dec. 2; Gaz. vol. 197; p. 55.
- Plow. H. J. Aune. No. 1,081,194; Dec. 9; Gaz. vol. 197; p. 468.
- Plow. E. M. Heylman. No. 1,081,530; Dec. 16; Gaz. vol. 197; p. 622.
- Plow. G. W. Hammers. No. 1,081,961; Dec. 23; Gaz. vol. 197; p. 792.
- Plow. D. Cochran. No. 1,082,406; Dec. 23; Gaz. vol. 197; p. 946.
- Plow. R. J. Altgelt and C. F. Carlson. No. 1,082,672; Dec. 30; Gaz. vol. 197; p. 1071.
- Plow-adjusting device for gang-plows. L. S. Hackney. No. 1,064,967; June 17; Gaz. vol. 191; p. 681.
- Plow-adjusting mechanism. H. A. Huntoon. No. 1,078,285; Nov. 11; Gaz. vol. 196; p. 391.
- Plow and cultivator. J. M. Rivers. No. 1,066,323; July 1; Gaz. vol. 192; p. 149.
- Plow and cultivator, Combined. C. E. Womble. No. 1,074,681; Oct. 7; Gaz. vol. 195; p. 33.
- Plow and harrow, Combined. D. B. Rohrer. No. 1,076,520; Oct. 21; Gaz. vol. 195; p. 721.
- Plow and pulverizing-machine, Combined. W. W. Curtis. No. 1,070,423; Aug. 19; Gaz. vol. 193; p. 530.
- Plow and scraper, Combined. E. M. Reese. No. 1,071,176; Aug. 26; Gaz. vol. 193; p. 816.
- Plow and subsoiler, Combined. J. R. Harrison and G. W. Hooper. No. 1,074,620; Oct. 7; Gaz. vol. 195; p. 11.
- Plow and traction-engine, Motor. L. T. Hagan. No. 1,077,878; Nov. 4; Gaz. vol. 196; p. 218.
- Plow attachment. F. Hildebrand. No. 1,057,645; Apr. 1; Gaz. vol. 189; p. 85.
- Plow attachment. W. T. Simmons. No. 1,067,068; July 8; Gaz. vol. 192; p. 431.
- Plow attachment. N. Mayenschein. No. 1,070,975; Aug. 19; Gaz. vol. 193; p. 713.
- Plow attachment. F. Muntz. No. 1,073,434; Sept. 16; Gaz. vol. 194; p. 678.
- Plow attachment. E. B. Evenson. No. 1,074,422; Sept. 30; Gaz. vol. 194; p. 1064.
- Plow attachment. K. Schulte. No. 1,074,898; Oct. 7; Gaz. vol. 195; p. 105.
- Plow attachment, Stalk-cutting. N. W. Sumrall and R. C. Bigham. No. 1,081,521; Dec. 16; Gaz. vol. 197; p. 619.
- Plow attachment, Subsoil. W. A. Stephens. No. 1,062,198; May 20; Gaz. vol. 190; p. 634.
- Plow, Automatic-adjusting. J. A. Huggins. No. 1,061,291; May 13; Gaz. vol. 190; p. 285.
- Plow, Beet. L. E. Fenton. No. 1,069,118; Aug. 5; Gaz. vol. 193; p. 10.
- Plow, Boltless moldboard and landside. C. W. McWane. No. 1,076,507; Oct. 21; Gaz. vol. 195; p. 716.
- Plow-carrier and its operating mechanism, Pivoted. C. L. Sladinska. No. 1,067,885; July 22; Gaz. vol. 192; p. 780.
- Plow, Channel. J. B. Mercer. No. 1,062,924; May 27; Gaz. vol. 190; p. 915.
- Plow-comb. J. J. Specht and W. J. Wachsmuth. No. 1,078,753; Nov. 18; Gaz. vol. 196; p. 584.
- Plow, Disk. H. C. Waite. No. 1,073,827; Sept. 23; Gaz. vol. 194; p. 835.
- Plow, Disk gang. M. Weiler. No. 1,054,885; Mar. 4; Gaz. vol. 188; p. 80.
- Plow, Ditching. L. E. Ludwig. No. 1,082,641; Dec. 30; Gaz. vol. 197; p. 1060.
- Plow, Engine gang. W. L. Paul. No. 1,073,361; Sept. 16; Gaz. vol. 194; p. 653.
- Plow-fender. C. L. Brumfield. No. 1,067,638; July 15; Gaz. vol. 192; p. 664.
- Plow-foot, Automatic. T. M. Dugger. No. 1,068,868; July 29; Gaz. vol. 192; p. 1159.
- Plow-frame. P. A. Montanus and A. W. Grant. No. 1,070,907; Aug. 19; Gaz. vol. 193; p. 691.
- Plow frame, Motor. H. A. Bean. No. 1,068,559; July 29; Gaz. vol. 192; p. 1048.
- Plow frames, Gear for connecting and guiding gang. W. G. Danielsen. No. 1,068,570; July 29; Gaz. vol. 192; p. 1052.
- Plow, Gang. M. L. Alford. No. 1,053,343; Feb. 18; Gaz. vol. 187; p. 590.
- Plow, Gang. W. L. Paul. No. 1,054,139; Feb. 25; Gaz. vol. 187; p. 897.
- Plow, Gang. W. L. Boatright and A. E. Murphy. No. 1,054,499; Feb. 25; Gaz. vol. 187; p. 1021.
- Plow, Gang. M. Sklovsky. No. 1,056,713; Mar. 18; Gaz. vol. 188; p. 766.
- Plow, Gang. W. S. Graham. No. 1,068,761; July 29; Gaz. vol. 192; p. 1119.
- Plow, Gang. A. G. Bugler. No. 1,068,977; July 29; Gaz. vol. 192; p. 1196.
- Plow, Gang. O. Carlson. No. 1,081,577; Dec. 16; Gaz. vol. 197; p. 634.
- Plow-handle mount. H. A. Dean. No. 1,059,844; Apr. 22; Gaz. vol. 189; p. 955.
- Plow-handle mount. T. M. Manning. No. 1,060,924; May 6; Gaz. vol. 190; p. 124.
- Plow harrow attachment. A. L. Garlough. No. 1,063,868; June 3; Gaz. vol. 191; p. 238.
- Plow harrow attachment. J. F. Dempsey. No. 1,071,551; Aug. 26; Gaz. vol. 193; p. 940.
- Plow, Land-breaking. A. Reed. No. 1,071,576; Aug. 26; Gaz. vol. 193; p. 948.
- Plow lift, Gang. J. Froelich. No. 1,056,531; Mar. 18; Gaz. vol. 188; p. 706.
- Plow lift, Gang. J. Froelich. No. 1,056,532; Mar. 18; Gaz. vol. 188; p. 706.
- Plow-lift, Mechanical. F. J. Savage. No. 1,073,636; Sept. 23; Gaz. vol. 194; p. 768.
- Plow, Listing. G. Persson. No. 1,059,628; Apr. 22; Gaz. vol. 189; p. 885.
- Plow marking attachment. W. V. Davis. No. 1,080,425; Dec. 2; Gaz. vol. 197; p. 179.
- Plow, Motor. H. M. Moon. No. 1,059,897; Apr. 22; Gaz. vol. 189; p. 971.
- Plow, Motor. G. E. Jonsson. No. 1,060,095; Apr. 29; Gaz. vol. 189; p. 1081.
- Plow, Motor. F. B. Houdek. No. 1,063,798; June 3; Gaz. vol. 191; p. 217.
- Plow, Motor. W. N. Robison. No. 1,068,366; July 22; Gaz. vol. 192; p. 945.
- Plow, Motor. L. S. Hackney. No. 1,069,002; July 29; Gaz. vol. 192; p. 1203.
- Plow, Motor. N. F. Chamberlin. No. 1,071,205; Aug. 26; Gaz. vol. 193; p. 825.
- Plow, Motor. A. E. Cook. No. 1,071,397; Aug. 26; Gaz. vol. 193; p. 890.
- Plow, Motor. J. N. Parker. No. 1,073,513; Sept. 16; Gaz. vol. 194; p. 704.
- Plow, Motor. L. S. Hackney. No. 1,074,115; Sept. 30; Gaz. vol. 194; p. 962.
- Plow, Motor. J. N. Parker. No. 1,075,061; Oct. 7; Gaz. vol. 195; p. 164.
- Plow, Motor. O. E. Pattison. No. 1,082,440; Dec. 23; Gaz. vol. 197; p. 957.
- Plow, Motor disk. J. M. Henton. No. 1,059,158; Apr. 15; Gaz. vol. 189; p. 689.
- Plow-motor guide-wheel. E. M., E. F., and D. O. Wheelock. No. 1,052,870; Feb. 11; Gaz. vol. 187; p. 382.
- Plow-point. E. V. Posey. No. 1,064,990; June 17; Gaz. vol. 191; p. 688.
- Plow-point bar. E. Haiman. No. 1,053,493; Feb. 18; Gaz. vol. 187; p. 641.
- Plow-point, Boltless. C. W. McWane. No. 1,076,440; Oct. 21; Gaz. vol. 195; p. 693.
- Plow-points, Making. J. F. Mueller. No. 1,053,057; Feb. 11; Gaz. vol. 187; p. 446.
- Plow, Power-lift. L. E. Waterman. No. 1,072,678; Sept. 9; Gaz. vol. 194; p. 373.
- Plow, Reversible. H. Wiard and A. J. Spire. No. 1,069,835; Aug. 12; Gaz. vol. 193; p. 287.
- Plow, Rolling-drum. W. B. Prugh. No. 1,079,920; Nov. 25; Gaz. vol. 196; p. 1019.
- Plow, Rotary. N. Nilson. No. 1,050,987; Jan. 21; Gaz. vol. 186; p. 640.
- Plow, Rotary. J. E. Lamb. No. 1,054,571; Feb. 25; Gaz. vol. 187; p. 1044.
- Plow, Rotary. M. E. Playford. No. 1,082,357; Dec. 23; Gaz. vol. 197; p. 931.
- Plow stalk-cutting attachment. G. A. Board. No. 1,059,822; Apr. 22; Gaz. vol. 189; p. 949.
- Plow stalk-cutting attachment. W. J. Turner. No. 1,067,082; July 8; Gaz. vol. 192; p. 435.
- Plow-stock. J. M. Baxter. No. 1,069,220; Aug. 5; Gaz. vol. 193; p. 46.
- Plow, Subsoil. J. A. Huggins. No. 1,074,176; Sept. 30; Gaz. vol. 194; p. 982.
- Plow, Subsoil. C. W. Hicks. No. 1,079,553; Nov. 25; Gaz. vol. 196; p. 889.
- Plow subsoil attachment. B. L. Bishop. No. 1,069,080; July 29; Gaz. vol. 192; p. 1231.
- Plow subsoil attachment. W. F. Hartig. No. 1,073,984; Sept. 23; Gaz. vol. 194; p. 890.

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- Plow subsoiling attachment. W. C. Alford. No. 1,052,118; Feb. 4; Gaz. vol. 187; p. 95.
- Plow, Sulky. L. A. Butterfield. No. 1,076,001; Oct. 14; Gaz. vol. 195; p. 513.
- Plow, Traction. S. Belanger. No. 1,080,673; Dec. 9; Gaz. vol. 197; p. 293.
- Plow-wheel. J. Miller. No. 1,051,746; Jan. 28; Gaz. vol. 186; p. 928.
- Plow, Wheeled. H. A. Bean. No. 1,068,560; July 29; Gaz. vol. 192; p. 1048.
- Plow, Wheeled. T. A. Freeman and W. R. Williams. No. 1,069,407; Aug. 5; Gaz. vol. 193; p. 112.
- Plow, Wheeled gang-. N. Weller. No. 1,055,583; Mar. 11; Gaz. vol. 188; p. 347.
- Plows, Combination soil-pulverizer and seeder attachment for. G. F. Rowley. No. 1,074,208; Sept. 30; Gaz. vol. 194; p. 993.
- Plows, Deep-tilling attachment for. C. S. Johnston, R. C. Jefferies, and W. J. Ryan. No. 1,061,479; May 13; Gaz. vol. 190; p. 350.
- Plows, Detachable shoe for landsides of. W. H. Lee. No. 1,073,693; Sept. 23; Gaz. vol. 194; p. 791.
- Plows, Draft attachment for. E. Perry. No. 1,072,255; Sept. 2; Gaz. vol. 194; p. 198.
- Plows, Front caster-wheel for. S. S. Spire. No. 1,065,840; June 24; Gaz. vol. 191; p. 1011.
- Plows, Lever adjustment for wheel-. J. W. Gamble. No. 1,075,777; Oct. 14; Gaz. vol. 195; p. 435.
- Plows, Means for shifting turf-cutters of reversible. W. H. Lee. No. 1,070,495; Aug. 19; Gaz. vol. 193; p. 556.
- Plows, Means for tilting the earth-turning elements of wheeled. W. H. Lee. No. 1,069,340; Aug. 5; Gaz. vol. 193; p. 88.
- Plows, Packer attachment for. C. Christiansen. No. 1,063,773; June 3; Gaz. vol. 191; p. 208.
- Plows, Pulverizing attachment for wheeled. C. H. Dempsey. No. 1,059,283; Apr. 15; Gaz. vol. 189; p. 732.
- Plows, Raising and lowering the earth-turning element of wheeled. W. H. Lee. No. 1,072,863; Sept. 9; Gaz. vol. 194; p. 439.
- Plows, Umbrella-holder for corn-. D. Cobb and C. H. Shaw. No. 1,072,574; Sept. 9; Gaz. vol. 194; p. 338.
- Plows, &c., Wheel for steam-. W. N. Springer. No. 1,068,463; July 29; Gaz. vol. 192; p. 1017.
- Plowshare. H. Bolinder. No. 1,052,456; Feb. 11; Gaz. vol. 187; p. 243.
- Plowshare. G. W. Hammers. No. 1,055,743; Mar. 11; Gaz. vol. 188; p. 401.
- Plowshare. R. Stock. No. 1,058,486; Apr. 8; Gaz. vol. 189; p. 419.
- Plug, Attachment-. S. Trood. No. 1,049,945; Jan. 7; Gaz. vol. 186; p. 212.
- Plug, Attachment-. G. W. Goodridge. No. 1,063,026; May 27; Gaz. vol. 190; p. 949.
- Plug, Attachment-. G. W. Goodridge. No. 1,079,235; Nov. 18; Gaz. vol. 196; p. 751.
- Plug, Attachment-. A. M. Bradley. No. 1,081,656; Dec. 16; Gaz. vol. 197; p. 660.
- Plug, Automatic connecting-. J. N. Maas. No. 1,053,618; Feb. 18; Gaz. vol. 187; p. 683.
- Plug fitting, Attachment-. F. V. Burton. No. 1,073,955; Sept. 23; Gaz. vol. 194; p. 880.
- Plug for basins and tubs. J. D. Tucker. No. 1,058,277; Apr. 8; Gaz. vol. 189; p. 347.
- Plug, Separable attachment-. H. Hubbell. No. 1,064,833; June 17; Gaz. vol. 191; p. 637.
- Plug, Test-. W. J. Lennon. No. 1,059,053; Apr. 15; Gaz. vol. 189; p. 653.
- Plug, Turning-. C. Walker. No. 1,062,524; May 20; Gaz. vol. 190; p. 741.
- Plugs, Protective covering for attachment-. M. R. Rodrigues. (Reissue.) No. 13,535; Feb. 25; Gaz. vol. 187; p. 1076.
- Plumb and level. H. H. Lung. No. 1,082,163; Dec. 23; Gaz. vol. 197; p. 860.
- Plumb-bob. E. E. Pipher. No. 1,060,855; May 6; Gaz. vol. 190; p. 101.
- Plumb-bob. J. Gambllee. No. 1,076,569; Oct. 21; Gaz. vol. 195; p. 739.
- Plumb-bob support. W. B. Honey. No. 1,080,448; Dec. 2; Gaz. vol. 197; p. 186.
- Plumb, Universal. G. A. Skoog. No. 1,063,473; June 3; Gaz. vol. 191; p. 102.
- Plumber's kit. F. Auty. No. 1,075,239; Oct. 7; Gaz. vol. 195; p. 224.
- Plumbing-fitting. F. B. Morton. No. 1,064,241; June 10; Gaz. vol. 191; p. 402.
- Plumbing-fixture. I. A. Mann. No. 1,067,533; July 15; Gaz. vol. 192; p. 628.
- Plume-holder or the like. J. F. Schylander. No. 1,057,586; Apr. 1; Gaz. vol. 189; p. 64.
- Plunger-elevator. T. J. Kirn. No. 1,060,907; May 6; Gaz. vol. 190; p. 120.
- Plunger mechanism. F. L. O. Wadsworth. No. 1,064,794; June 17; Gaz. vol. 191; p. 625.
- Pneumatic action. C. Alter. No. 1,051,304; Jan. 21; Gaz. vol. 186; p. 747.
- Pneumatic action for automatic playing mechanisms. E. Swanson. No. 1,065,634; June 24; Gaz. vol. 191; p. 942.
- Pneumatic actuating unit. N. Magnuson. No. 1,059,549; Apr. 22; Gaz. vol. 189; p. 860.
- Pneumatic agitator and cleaner. A. W. Mills. No. 1,078,512; Nov. 11; Gaz. vol. 196; p. 469.
- Pneumatic carrier. W. H. Koehler. No. 1,072,126; Sept. 2; Gaz. vol. 194; p. 156.
- Pneumatic-carrier system. F. W. Nelson. No. 1,074,890; Oct. 7; Gaz. vol. 195; p. 102.
- Pneumatic cleaner. J. Kubosch. No. 1,056,033; Mar. 18; Gaz. vol. 188; p. 534.
- Pneumatic cleaner. E. E. Yaxley. No. 1,074,920; Oct. 7; Gaz. vol. 195; p. 112.
- Pneumatic cleaning device. J. M. Spangler. No. 1,064,783; June 17; Gaz. vol. 191; p. 622.
- Pneumatic cleaning device. C. L. Saunders. No. 1,075,304; Oct. 7; Gaz. vol. 195; p. 249.
- Pneumatic cleaning implement. S. L. Guthorn. No. 1,072,607; Sept. 9; Gaz. vol. 194; p. 349.
- Pneumatic cleaning-machine. M. S. Wright. No. 1,078,397; Nov. 11; Gaz. vol. 196; p. 432.
- Pneumatic cleaning-tool. I. H. Spencer. No. 1,053,665; Feb. 18; Gaz. vol. 187; p. 700.
- Pneumatic conveyer system. W. McClave. No. 1,076,989; Oct. 28; Gaz. vol. 195; p. 940.
- Pneumatic countersinking-machine. J. H. Bondy. No. 1,059,428; Apr. 22; Gaz. vol. 189; p. 820.
- Pneumatic cushion for stump-legs. J. G. La Point. No. 1,057,562; Apr. 1; Gaz. vol. 189; p. 57.
- Pneumatic-despatch apparatus. O. G. Gllstrap. No. 1,066,599; July 8; Gaz. vol. 192; p. 272.
- Pneumatic-despatch apparatus. T. Bemis. No. 1,079,311; Nov. 18; Gaz. vol. 196; p. 775.
- Pneumatic-despatch-tube apparatus. A. W. Pearsall. No. 1,057,266; Mar. 25; Gaz. vol. 188; p. 987.
- Pneumatic-despatch-tube apparatus. B. C. Batcheller. No. 1,067,896; July 22; Gaz. vol. 192; p. 783.
- Pneumatic-despatch-tube apparatus. A. W. Pearsall. No. 1,073,867; Sept. 23; Gaz. vol. 194; p. 848.
- Pneumatic-despatch-tube apparatus. A. W. Pearsall. No. 1,075,790; Oct. 14; Gaz. vol. 195; p. 440.
- Pneumatic-despatch-tube apparatus. E. A. Fordyce. No. 1,076,969; Oct. 28; Gaz. vol. 195; p. 934.
- Pneumatic-despatch-tube apparatus. J. G. Maclaren. No. 1,076,987; Oct. 28; Gaz. vol. 195; p. 939.
- Pneumatic-despatch-tube apparatus. E. A. Fordyce. No. 1,081,441; Dec. 16; Gaz. vol. 197; p. 591.
- Pneumatic-despatch-tube apparatus, Automatic carrier separator and despatcher for. A. W. Pearsall. No. 1,065,548; June 24; Gaz. vol. 191; p. 912.
- Pneumatic-despatch-tube carrier. R. G. Collins, Jr. No. 1,080,538; Dec. 9; Gaz. vol. 197; p. 248.
- Pneumatic-despatch-tube receiving-terminal. B. C. Batcheller. No. 1,061,034; May 6; Gaz. vol. 190; p. 165.
- Pneumatic-despatch-tube system. B. C. Batcheller. No. 1,076,737; Oct. 28; Gaz. vol. 195; p. 851.
- Pneumatic governor. B. S. Aikman. No. 1,078,595; Nov. 11; Gaz. vol. 196; p. 496.
- Pneumatic motor. W. F. Cooper. No. 1,058,847; Apr. 15; Gaz. vol. 189; p. 581.
- Pneumatic motor. T. A. Delaney. No. 1,078,598; Nov. 11; Gaz. vol. 196; p. 498.
- Pneumatic pressure, Means for producing and controlling. H. Smith. No. 1,064,557; June 10; Gaz. vol. 191; p. 509.
- Pneumatic spring. J. Hofmann. No. 1,077,472; Nov. 4; Gaz. vol. 196; p. 82.
- Pneumatic-tube system. A. Herz. No. 1,069,062; July 29; Gaz. vol. 192; p. 1223.
- Pneumatic wheel. N. Peterson. No. 1,060,854; May 6; Gaz. vol. 190; p. 101.
- Pneumatic wheel. S. W. Scott. No. 1,073,177; Sept. 16; Gaz. vol. 194; p. 587.
- Pocket. H. Bakke. No. 1,067,499; July 15; Gaz. vol. 192; p. 617.
- Pocket attachment. J. A. Anderson. No. 1,066,779; July 8; Gaz. vol. 192; p. 336.
- Pocket-book. G. Seelman, Jr. No. 1,049,409; Jan. 7; Gaz. vol. 186; p. 31.
- Pocket-books and the like, Germicide-insert for. J. H. Rand, Jr. No. 1,080,716; Dec. 9; Gaz. vol. 197; p. 307.
- Pocket-clip. W. L. Chapman. No. 1,075,815; Oct. 14; Gaz. vol. 195; p. 449.
- Pocket, Fabric. F. R. Batchelder. No. 1,074,685; Oct. 7; Gaz. vol. 195; p. 35.
- Pocket for garments. H. Blumberg. No. 1,067,212; July 8; Gaz. vol. 192; p. 482.
- Pocket for garments, Elastic. R. E. Kelly. No. 1,062,160; May 20; Gaz. vol. 190; p. 621.
- Pocket for garments, Safety-. J. Sherman. No. 1,071,268; Aug. 26; Gaz. vol. 193; p. 847.
- Pocket for trousers, Safety-. J. Barrett. No. 1,075,240; Oct. 7; Gaz. vol. 195; p. 225.
- Pocket-guard. C. J. Bukouski. No. 1,061,162; May 6; Gaz. vol. 190; p. 205.
- Pocket, Inside coat-. J. Arenson. No. 1,076,260; Oct. 21; Gaz. vol. 195; p. 628.

Alphabetical list of inventions - Continued.

- Pocket-knife. A. P. Smith. No. 1,049,931; Jan. 7; Gaz. vol. 186; p. 207.
- Pocket, Rule-. P. W. Tooth. No. 1,061,886; May 13; Gaz. vol. 190; p. 484.
- Pocket, Safety-. M. Clarke. No. 1,058,844; Apr. 15; Gaz. vol. 189; p. 580.
- Pocket, Safety-. J. W. Pennewill. No. 1,060,489; Apr. 29; Gaz. vol. 189; p. 1220.
- Pocket, Safety-. J. Zabielski. No. 1,080,314; Dec. 2; Gaz. vol. 197; p. 138.
- Pocket, Safety watch-. B. C. Dodds. No. 1,082,190; Dec. 23; Gaz. vol. 197; p. 870.
- Pocket-straps, Manufacturing. A. G. Sandman. No. 1,068,171; July 22; Gaz. vol. 192; p. 877.
- Pocket straps or yokes, Manufacturing. A. G. Sandman. No. 1,064,999; June 17; Gaz. vol. 191; p. 691.
- Pockets, Catch for. C. Holmcrans and C. G. Bergstrom. No. 1,079,411; Nov. 25; Gaz. vol. 196; p. 841.
- Point-changing mechanism. P. Pestalozza. No. 1,075,851; Oct. 14; Gaz. vol. 195; p. 461.
- Pointing machine, Tuck-. F. O. Skoog. No. 1,055,565; Mar. 11; Gaz. vol. 188; p. 341.
- Poke, Animal-. J. E. Witte. No. 1,051,181; Jan. 21; Gaz. vol. 186; p. 706.
- Poke, Animal-. W. H. Wallace and E. E. Thompson. No. 1,053,077; Feb. 11; Gaz. vol. 187; p. 454.
- Poke, Animal-. D. H. Zuck. No. 1,060,054; Apr. 29; Gaz. vol. 189; p. 1069.
- Poke, Animal-. W. L. F. Malaby. No. 1,060,470; Apr. 29; Gaz. vol. 189; p. 1213.
- Poke, Animal-. J. S. Murchison. No. 1,080,992; Dec. 9; Gaz. vol. 197; p. 404.
- Poke, Humane animal-. W. E. Baker. No. 1,065,768; June 24; Gaz. vol. 191; p. 987.
- Pole and shafts, Combined convertible vehicle. D. B. Pate and J. L. Spears. No. 1,075,721; Oct. 14; Gaz. vol. 195; p. 417.
- Pole-changer, Frequency. A. H. Weiss. No. 1,058,009; Apr. 1; Gaz. vol. 189; p. 210.
- Pole holes, Cover for sliding-. W. J. Sweeney. No. 1,069,740; Aug. 12; Gaz. vol. 193; p. 254.
- Pole, Reinforcing. R. S. Orr. No. 1,080,525; Dec. 2; Gaz. vol. 197; p. 213.
- Pole system. J. Ledwinka. No. 1,069,887; Aug. 12; Gaz. vol. 193; p. 305.
- Pole-tip. S. K. Anderson and J. Long. No. 1,072,296; Sept. 2; Gaz. vol. 194; p. 211.
- Pole-tip. H. W. Randall. No. 1,080,780; Dec. 9; Gaz. vol. 197; p. 331.
- Pole-tip. E. McCauley. No. 1,082,090; Dec. 23; Gaz. vol. 197; p. 837.
- Poles, piles, and pipes of plastic material, Machine for forming. R. M. Jones. No. 1,064,741; June 17; Gaz. vol. 191; p. 608.
- Poles, piles, or columns of plastic material, Machine for constructing. R. M. Jones. No. 1,064,740; June 17; Gaz. vol. 191; p. 608.
- Police-signal-code box. W. E. Fastnacht. No. 1,056,269; Mar. 18; Gaz. vol. 188; p. 615.
- Polishing curved surfaces. O. C. Wyson. No. 1,082,670; Dec. 30; Gaz. vol. 197; p. 1071.
- Polishing device. C. F. Sperry. No. 1,081,002; Dec. 9; Gaz. vol. 197; p. 407.
- Polishing devices, Driving mechanism for. G. W. Redburn. No. 1,065,627; June 24; Gaz. vol. 191; p. 939.
- Polishing-drum. R. D. Hanish. No. 1,071,519; Aug. 26; Gaz. vol. 193; p. 929.
- Polishing-machine. J. C. Blevney. No. 1,052,455; Feb. 11; Gaz. vol. 187; p. 242.
- Polishing-machine. L. F. Klay. No. 1,072,620; Sept. 9; Gaz. vol. 194; p. 353.
- Polishing-machine. D. E. Bigelow. No. 1,081,715; Dec. 16; Gaz. vol. 197; p. 679.
- Polishing-machine. J. Zywicki. No. 1,083,046; Dec. 30; Gaz. vol. 197; p. 1199.
- Polishing mixture or composition. H. Tolputt. No. 1,057,187; Mar. 25; Gaz. vol. 188; p. 960.
- Polishing-wheel. J. Joseph. No. 1,080,561; Dec. 9; Gaz. vol. 197; p. 256.
- Polycycle propelling device. W. A. Whitaker. No. 1,058,123; Apr. 8; Gaz. vol. 189; p. 294.
- Pompons, Machine for manufacturing. A. and H. C. Harvey. No. 1,079,125; Nov. 18; Gaz. vol. 196; p. 714.
- Pontianak compound and preparing same. G. Staunton. No. 1,078,070; Nov. 11; Gaz. vol. 196; p. 316.
- Pontoon, Folding. W. J. and F. A. Bond. No. 1,060,531; Apr. 29; Gaz. vol. 189; p. 1235.
- Pool and billiard table. G. S. Van de Water. No. 1,049,948; Jan. 7; Gaz. vol. 186; p. 213.
- Pool and billiard table cushion reinforcement. F. W. Kelley. No. 1,049,369; Jan. 7; Gaz. vol. 186; p. 17.
- Pool-ball frame. F. E. Chase. No. 1,052,461; Feb. 11; Gaz. vol. 187; p. 244.
- Pool-tables, Return-chute for. J. G. Lobstein, Jr. No. 1,054,780; Mar. 4; Gaz. vol. 188; p. 44.
- Popcorn-crisp machine. W. M. Brown. No. 1,079,591; Nov. 25; Gaz. vol. 196; p. 904.
- Porcelain inlays, Making. F. H. Nies. No. 1,063,376; June 3; Gaz. vol. 191; p. 70.
- Porch, Sleeping-. E. R. Culver. No. 1,074,103; Sept. 30; Gaz. vol. 194; p. 958.
- Pork-trimming machine. G. Sawyer. No. 1,083,219; Dec. 30; Gaz. vol. 197; p. 1252.
- Porous article. P. A. Boeck. No. 1,081,573; Dec. 16; Gaz. vol. 197; p. 634.
- Portable elevator and wagon-dump, Combination. C. W. Cotten. No. 1,075,196; Oct. 7; Gaz. vol. 195; p. 210.
- Portable heater. F. Hickerson. No. 1,053,812; Feb. 18; Gaz. vol. 187; p. 749.
- Portable house. V. Rasmussen. No. 1,052,960; Feb. 11; Gaz. vol. 187; p. 414.
- Portable house. S. A. Poe and A. F. J. Worstman. No. 1,065,269; June 17; Gaz. vol. 191; p. 779.
- Portable house. G. W. Hoyt. No. 1,070,474; Aug. 19; Gaz. vol. 193; p. 548.
- Portable table. W. E. Stiles. No. 1,060,295; Apr. 29; Gaz. vol. 189; p. 1153.
- Portfolio. J. C. Montgomerie. No. 1,058,081; Apr. 8; Gaz. vol. 189; p. 279.
- Portfolios and the like, Catch for. J. S. Isidor. No. 1,080,832; Dec. 9; Gaz. vol. 197; p. 351.
- Portière, valance, or grille, Adjustable chain. A. G. Morrison and O. Gotsch. No. 1,057,491; Apr. 1; Gaz. vol. 189; p. 32.
- Post: See Binding-post; Car-body corner-post; Chain-post; Concrete post; Concrete fence-post; Fence-post; Hitching-post; Pipe-vise post; Railway-signal post; Sign-post; Tool-post.
- Post-anchor. P. T. Bailey. No. 1,077,028; Oct. 28; Gaz. vol. 195; p. 954.
- Post-cap. P. J. Weber. No. 1,050,417; Apr. 22; Gaz. vol. 189; p. 815.
- Post-card, Jackknife. G. E. Moran. No. 1,063,577; June 3; Gaz. vol. 191; p. 138.
- Post-card, Merchandise-carrying. L. C. Witkowski. No. 1,058,830; Apr. 15; Gaz. vol. 189; p. 576.
- Post-hole digger. E. L. Halle. No. 1,050,361; Jan. 14; Gaz. vol. 186; p. 388.
- Post-hole digger. O. H. Naville. No. 1,052,506; Feb. 11; Gaz. vol. 187; p. 259.
- Post-hole digger. M. Kaukeinen. No. 1,065,874; June 24; Gaz. vol. 191; p. 1023.
- Post-hole digger. N. Erzig. No. 1,067,417; July 15; Gaz. vol. 192; p. 589.
- Post-hole machine. B. C. Roberts. No. 1,073,821; Sept. 23; Gaz. vol. 194; p. 833.
- Post-puller. E. Olson. No. 1,074,974; Oct. 7; Gaz. vol. 195; p. 130.
- Post-puller. E. Duda. No. 1,081,895; Dec. 16; Gaz. vol. 197; p. 741.
- Post, Rubbing-. R. F. and T. E. Wright. No. 1,080,037; Dec. 2; Gaz. vol. 197; p. 42.
- Postage-stamping machine. R. J. Jobin and J. A. Prat. No. 1,057,840; Apr. 1; Gaz. vol. 189; p. 153.
- Postage-stamps, Device for dispensing. J. Lerche. No. 1,066,126; July 1; Gaz. vol. 192; p. 78.
- Postage-stamps in strips, Manufacture of. O. Oehring. No. 1,071,455; Aug. 26; Gaz. vol. 193; p. 909.
- Postal-card case. M. E. Palmer. No. 1,063,891; June 3; Gaz. vol. 191; p. 246.
- Postmarking-machine. J. Rehak and J. H. Madigan. No. 1,051,159; Jan. 21; Gaz. vol. 186; p. 699.
- Pot: See Ash-pot; Coffee-pot; Coffee or tea pot; Dash-pot; Fire-pot; Flower-pot; Glue-pot; Melting and casting pot; Tea and coffee pot; Vacuum-pot.
- Pot. J. Beecher. No. 1,054,083; Feb. 25; Gaz. vol. 187; p. 877.
- Pot-cover attachment. C. A. Ford. No. 1,080,906; Dec. 9; Gaz. vol. 197; p. 375.
- Pot cover, Cooking-. C. A. Ford. No. 1,080,905; Dec. 9; Gaz. vol. 197; p. 375.
- Pot for hot metal, &c. E. C. Sherman. No. 1,061,784; May 13; Gaz. vol. 190; p. 453.
- Pot-lid. E. Relyea. No. 1,074,978; Oct. 7; Gaz. vol. 195; p. 132.
- Potash alum, Making. E. Hart. No. 1,062,278; May 20; Gaz. vol. 190; p. 661.
- Potash and cement clinker, Obtaining. S. Gelléri. No. 1,058,686; Apr. 8; Gaz. vol. 189; p. 487.
- Potash, Producing. W. Hatch. No. 1,057,827; Apr. 1; Gaz. vol. 189; p. 148.
- Potash salts from feldspar, Obtaining. H. P. Bassett. No. 1,072,686; Sept. 9; Gaz. vol. 194; p. 376.
- Potassium hydrate, Making high-percentage crystallized. H. Haberland. No. 1,050,453; Jan. 14; Gaz. vol. 186; p. 421.
- Potassium sulfate, &c., Making. C. A. Doremus. No. 1,054,518; Feb. 25; Gaz. vol. 187; p. 1027.
- Potato-bug catcher and killer. F., Sr., and F. Ulrich, Jr. No. 1,061,027; May 6; Gaz. vol. 190; p. 163.
- Potato-cutter. W. H. Geske and C. Evans. No. 1,083,081; Dec. 30; Gaz. vol. 197; p. 1211.
- Potato-cutting apparatus. A. D. Welker, L. E. and H. H. Snyder. No. 1,058,821; Apr. 15; Gaz. vol. 189; p. 572.
- Potato-digger. I. B. Casey. No. 1,049,340; Jan. 7; Gaz. vol. 186; p. 8.
- Potato-digger. I. B. Casey. No. 1,049,670; Jan. 7; Gaz. vol. 186; p. 120.
- Potato-digger. F. Burgdorf. No. 1,051,552; Jan. 28; Gaz. vol. 186; p. 864.

Alphabetical list of inventions—Continued.

- Potato-digger. J. Reuther. No. 1,057,172; Mar. 25; Gaz. vol. 188; p. 955.
- Potato-digger. G. S. McGee. No. 1,059,551; Apr. 22; Gaz. vol. 189; p. 861.
- Potato-digger. J. O. Aase. No. 1,070,384; Aug. 19; Gaz. vol. 193; p. 517.
- Potato-digger. S. L. Allen. No. 1,073,012; Sept. 9; Gaz. vol. 194; p. 494.
- Potato-digger. W. H. Rice. No. 1,076,150; Oct. 21; Gaz. vol. 195; p. 592.
- Potato-digger. T. E. Hale. No. 1,078,435; Nov. 11; Gaz. vol. 196; p. 444.
- Potato-digger. H. M. Houchins. No. 1,083,098; Dec. 30; Gaz. vol. 197; p. 1217.
- Potato-diggers, Carrier and screening means for. W. E. Hewitt. No. 1,052,249; Feb. 4; Gaz. vol. 187; p. 141.
- Potato-dropper. C. J. Priset. No. 1,078,165; Nov. 11; Gaz. vol. 196; p. 348.
- Potato-seed cutter. E. Powell. No. 1,063,212; June 3; Gaz. vol. 191; p. 15.
- Potato-separator. D. J. Edwards and E. Huston. No. 1,059,129; Apr. 15; Gaz. vol. 189; p. 680.
- Potato-separator. J. Reuther. No. 1,061,568; May 13; Gaz. vol. 190; p. 383.
- Potato-separator. G. E. Luce. No. 1,079,181; Nov. 18; Gaz. vol. 196; p. 733.
- Potato setter, Sweet. F. Weir. No. 1,058,396; Apr. 8; Gaz. vol. 189; p. 389.
- Potato-sorter. B. Halterman. No. 1,067,980; July 22; Gaz. vol. 192; p. 811.
- Potato-sorter sack-holder attachment. F. S. Fuller. No. 1,080,685; Dec. 9; Gaz. vol. 197; p. 297.
- Potatoes, Curing sweet. P. T. Parker. No. 1,051,755; Jan. 28; Gaz. vol. 186; p. 930.
- Potential and overload switch, Combined. E. L. Gale, Sr. No. 1,058,296; Apr. 8; Gaz. vol. 189; p. 353.
- Potential-regulator. P. Müller. No. 1,066,747; July 8; Gaz. vol. 192; p. 326.
- Potential-regulator. W. Welsch. No. 1,078,076; Nov. 11; Gaz. vol. 196; p. 318.
- Pottery and the like, Apparatus for drying. J. Bühner. No. 1,060,425; Apr. 29; Gaz. vol. 189; p. 1199.
- Pottery, Apparatus or machine for use in shaping articles of. F. Hancock. No. 1,069,130; Aug. 5; Gaz. vol. 193; p. 14.
- Poultry-feeder. C. W. Zimmer. No. 1,080,133; Dec. 2; Gaz. vol. 197; p. 75.
- Poultry-feeding device. I. M. Graham. No. 1,080,436; Dec. 2; Gaz. vol. 197; p. 183.
- Poultry-fountain. R. I. Batz. No. 1,062,531; May 20; Gaz. vol. 190; p. 743.
- Poultry-fountain. R. B. Ford. No. 1,065,439; June 24; Gaz. vol. 191; p. 876.
- Poultry-fountain. D. L. McCuningham and E. M. Wilson. No. 1,076,777; Oct. 28; Gaz. vol. 195; p. 865.
- Poultry-fountain. A. A. Wester. No. 1,082,921; Dec. 30; Gaz. vol. 197; p. 1158.
- Poultry-harness. E. A. B. Kurrelmeyer. No. 1,066,821; July 8; Gaz. vol. 192; p. 349.
- Poultry-house. E. A. Ott. No. 1,050,682; Jan. 14; Gaz. vol. 186; p. 497.
- Poultry-house. E. S. West. No. 1,051,935; Feb. 4; Gaz. vol. 187; p. 30.
- Poultry house and pen. P. B. Laidlaw. No. 1,070,819; Aug. 19; Gaz. vol. 193; p. 664.
- Poultry-house-door opener, Automatic. C. H. Buck. No. 1,059,591; Apr. 22; Gaz. vol. 189; p. 873.
- Poultry-picker. J. G. Maclaren. No. 1,065,458; June 24; Gaz. vol. 191; p. 882.
- Powder and making the same, Smokeless nitrocellulose-nitroglycerin. F. A. Ritschke. No. 1,063,469; June 3; Gaz. vol. 191; p. 101.
- Powder-box. J. W. Weismantel. No. 1,063,484; June 3; Gaz. vol. 191; p. 105.
- Powder-box and mirror, Combined. R. R. Debacher. No. 1,055,616; Mar. 11; Gaz. vol. 188; p. 358.
- Powder-can. E. J. Johnson. No. 1,062,101; May 20; Gaz. vol. 190; p. 601.
- Powder case, Toilet-. D. A. Driscoll. No. 1,077,459; Nov. 4; Gaz. vol. 196; p. 77.
- Powder cup, Tooth-. W. Lyon. No. 1,053,190; Feb. 18; Gaz. vol. 187; p. 535.
- Powder-grain. J. L. Walsh. No. 1,077,320; Nov. 4; Gaz. vol. 196; p. 28.
- Powder-mill machinery. J. F. O'Brien. No. 1,071,258; Aug. 26; Gaz. vol. 193; p. 843.
- Powder mixer and granulator, Combined. J. F. O'Brien. No. 1,071,257; Aug. 26; Gaz. vol. 193; p. 843.
- Powder-pad. J. K. Cheney and I. F. Purdy. No. 1,055,134; Mar. 4; Gaz. vol. 188; p. 163.
- Powder, Parting-. E. C. Krueger and J. W. Mann. No. 1,049,496; Jan. 7; Gaz. vol. 186; p. 56.
- Powders, Apparatus for classification of fine. G. H. J. Monnet. No. 1,057,870; Apr. 1; Gaz. vol. 189; p. 163.
- Power. *See* Water-power.
- Power and motion transmitting mechanism. C. E. Duryea. No. 1,072,439; Sept. 9; Gaz. vol. 194; p. 291.
- Power and speed gear for transmission, Mechanical variable. A. Sundh. No. 1,081,636; Dec. 16; Gaz. vol. 197; p. 654.
- Power apparatus, Mechanical. E. H. Hewer. No. 1,054,412; Feb. 25; Gaz. vol. 187; p. 991.
- Power-clamp. M. Meyers. No. 1,060,477; Apr. 29; Gaz. vol. 189; p. 1216.
- Power device. M. C. White and O. C. Duryea. No. 1,054,728; Mar. 4; Gaz. vol. 188; p. 25.
- Power device. M. C. White and O. C. Duryea. No. 1,068,195; July 22; Gaz. vol. 192; p. 885.
- Power-drill. W. Hartel. No. 1,061,474; May 13; Gaz. vol. 190; p. 348.
- Power-driven machines, Controlling device for. W. H. Pike, Jr. No. 1,050,388; Jan. 14; Gaz. vol. 186; p. 398.
- Power-factor indicator. J. R. Craighead. No. 1,064,131; June 10; Gaz. vol. 191; p. 364.
- Power for use in vehicles, Transmission of. J. C. Sherman. No. 1,060,714; May 6; Gaz. vol. 190; p. 53.
- Power generating and transmitting apparatus. L. E. Warren. No. 1,069,361; Aug. 5; Gaz. vol. 193; p. 96.
- Power-generating apparatus. A. Best. No. 1,062,815; May 27; Gaz. vol. 190; p. 879.
- Power-generating apparatus. E. F. Hopkins. No. 1,069,424; Aug. 5; Gaz. vol. 193; p. 118.
- Power-generating system. A. M. Stanley. No. 1,060,034; Apr. 29; Gaz. vol. 189; p. 1063.
- Power-generating systems, Ignition apparatus for. G. C. Davison. No. 1,079,748; Nov. 25; Gaz. vol. 196; p. 959.
- Power-generator, Hydrocarbon. J. Janicki. No. 1,052,588; Feb. 11; Gaz. vol. 187; p. 286.
- Power molding-press. G. E. Grundstrom. No. 1,072,448; Sept. 9; Gaz. vol. 194; p. 293.
- Power plant. D. P. Clark. No. 1,054,339; Feb. 25; Gaz. vol. 187; p. 965.
- Power-press. J. Bauroth. No. 1,060,662; May 6; Gaz. vol. 190; p. 33.
- Power-press. J. Wilson. No. 1,073,831; Sept. 23; Gaz. vol. 194; p. 836.
- Power-press. E. W. Zeh. No. 1,076,931; Oct. 28; Gaz. vol. 195; p. 920.
- Power-press. E. W. Zeh. No. 1,076,932; Oct. 28; Gaz. vol. 195; p. 921.
- Power-press safety-guard. J. Wright. No. 1,067,632; July 15; Gaz. vol. 192; p. 662.
- Power-press safety-guard. J. Wright. (Reissue.) No. 13,647; Nov. 11; Gaz. vol. 196; p. 504.
- Power-presses, Safety appliance for hand-fed. F. S. Aliano. No. 1,066,459; July 1; Gaz. vol. 192; p. 192.
- Power-producing apparatus. S. B. Roy. No. 1,074,209; Sept. 30; Gaz. vol. 194; p. 993.
- Power-shears, Automatic feed for. C. A. Bertsch. No. 1,066,577; July 8; Gaz. vol. 192; p. 264.
- Power-shovel. A. Offermann. No. 1,064,528; June 10; Gaz. vol. 191; p. 499.
- Power transmission and control mechanism. W. W. Vosper. No. 1,060,723; May 6; Gaz. vol. 190; p. 55.
- Power-transmission apparatus. E. W. Moore. No. 1,056,351; Mar. 18; Gaz. vol. 188; p. 640.
- Power-transmission apparatus, Fluid-. F. H. Summeril. No. 1,064,562; June 10; Gaz. vol. 191; p. 510.
- Power-transmission device. A. Calame. No. 1,057,526; Apr. 1; Gaz. vol. 189; p. 44.
- Power-transmission device. W. Becker. No. 1,058,531; Apr. 8; Gaz. vol. 189; p. 435.
- Power-transmission device, Variable-speed. F. A. Pfeifer. No. 1,067,487; July 15; Gaz. vol. 192; p. 612.
- Power transmission, Electric system for operating speed-varying. R. W. Bradley. No. 1,074,599; Oct. 7; Gaz. vol. 195; p. 4.
- Power-transmission mechanism. D. Nettenstrom. No. 1,056,292; Mar. 18; Gaz. vol. 188; p. 622.
- Power-transmission mechanism. C. W. Taylor. No. 1,057,466; Apr. 1; Gaz. vol. 189; p. 23.
- Power-transmission mechanism. J. Doepker and F. W. Burger. No. 1,057,530; Apr. 1; Gaz. vol. 189; p. 45.
- Power-transmission mechanism. C. W. Taylor. No. 1,062,934; May 27; Gaz. vol. 190; p. 919.
- Power-transmission mechanism. C. J. Mellin. No. 1,062,985; May 27; Gaz. vol. 190; p. 935.
- Power-transmission mechanism. F. E. Luebker. No. 1,064,752; June 17; Gaz. vol. 191; p. 612.
- Power-transmission mechanism. T. B. Vale. No. 1,065,643; June 24; Gaz. vol. 191; p. 945.
- Power-transmission mechanism. C. W. Taylor. No. 1,067,078; July 8; Gaz. vol. 192; p. 434.
- Power-transmission mechanism. L. Maier. No. 1,067,185; July 8; Gaz. vol. 192; p. 472.
- Power-transmission mechanism. J. Young. No. 1,075,746; Oct. 14; Gaz. vol. 195; p. 425.
- Power-transmission mechanism. A. R. Selden. No. 1,077,371; Nov. 4; Gaz. vol. 196; p. 45.
- Power-transmission mechanism, Fluid-operated. C. S. Kellogg. No. 1,080,281; Dec. 2; Gaz. vol. 197; p. 127.
- Power-transmission mechanism, Hydraulic. L. M. G. Delaunay-Belleville. No. 1,057,623; Apr. 1; Gaz. vol. 189; p. 77.
- Power-transmission mechanism, Multiple-unit. A. Sundh. No. 1,055,569; Mar. 11; Gaz. vol. 188; p. 343.
- Power-transmission mechanism, Pneumatic. F. M. Prahter. No. 1,055,557; Mar. 11; Gaz. vol. 188; p. 339.

Alphabetical list of inventions—Continued.

- Power-transmission system. C. O. Pearson. No. 1,055,553; Mar. 11; Gaz. vol. 188; p. 337.
- Power-transmission system. C. O. Pearson. No. 1,055,554; Mar. 11; Gaz. vol. 188; p. 338.
- Power transmission. Variable-speed. J. S. Pletts. No. 1,069,463; Aug. 5; Gaz. vol. 193; p. 131.
- Power-transmission wheel. Horizontal. W. O. Platt. No. 1,072,028; Sept. 2; Gaz. vol. 194; p. 123.
- Power-transmitter. A. Fonó. No. 1,060,073; Apr. 29; Gaz. vol. 189; p. 1075.
- Power-transmitter. F. M. Prather. No. 1,067,441; July 15; Gaz. vol. 192; p. 596.
- Power transmitting and controlling mechanism. Variable. L. M. Dieterich. No. 1,063,244; June 3; Gaz. vol. 191; p. 26.
- Power-transmitting device. G. R. Dean. No. 1,050,351; Jan. 14; Gaz. vol. 186; p. 38⁵.
- Power-transmitting means. M. W. Weir. No. 1,078,710; Nov. 18; Gaz. vol. 196; p. 569.
- Power-transmitting mechanism. G. Stettler. No. 1,066,673; July 8; Gaz. vol. 192; p. 298.
- Power-transmitting mechanism. J. E. Bissell. No. 1,077,118; Oct. 28; Gaz. vol. 195; p. 982.
- Power-transmitting mechanism. A. J. Schroeder. No. 1,081,868; Dec. 16; Gaz. vol. 197; p. 733.
- Power-transmitting plant. L. Brun. No. 1,058,697; Apr. 8; Gaz. vol. 189; p. 491.
- Power unit. T. S. Patterson. No. 1,052,269; Feb. 4; Gaz. vol. 187; p. 147.
- Power-wheel. H. E. Osborne. No. 1,061,399; May 13; Gaz. vol. 190; p. 321.
- Precious-metal-dissolving means. Preparing a. H. Foersterling. No. 1,076,006; Oct. 14; Gaz. vol. 195; p. 515.
- Precious metals. Apparatus for collecting. L. B. Gray. No. 1,056,662; Mar. 18; Gaz. vol. 188; p. 748.
- Precious metals. Apparatus for collecting. L. B. Gray. No. 1,056,663; Mar. 18; Gaz. vol. 188; p. 749.
- Precious metals. Extraction of. W. W. Guest. No. 1,067,022; July 8; Gaz. vol. 192; p. 416.
- Precious metals from their ores. Extracting. S. Williams. No. 1,056,311; Mar. 18; Gaz. vol. 188; p. 628.
- Precipitates. Apparatus for drying and recovering valuable. M. S. Hopkins and C. R. Barnett. No. 1,049,715; Jan. 7; Gaz. vol. 186; p. 136.
- Precipitating materials from solutions. D. Bosqui. No. 1,049,560; Jan. 7; Gaz. vol. 186; p. 83.
- Preheater and furnace-shield. W. S. Rockwell. No. 1,079,266; Nov. 18; Gaz. vol. 196; p. 759.
- Prepayment attachment for instruments. J. L. Post. No. 1,049,915; Jan. 7; Gaz. vol. 186; p. 202.
- Prepayment-meter mechanism. W. L. Brown. No. 1,063,649; June 3; Gaz. vol. 191; p. 166.
- Preservation of alimentary substances. Air-circulating apparatus for the. R. Payson. No. 1,068,272; July 22; Gaz. vol. 192; p. 912.
- Preservative and making the same. B. R. Albertsen. No. 1,062,683; May 27; Gaz. vol. 190; p. 836.
- Preserve-tin-opening device. R. E. Walther. No. 1,071,974; Sept. 2; Gaz. vol. 194; p. 104.
- Preserving aliments. V. Prestadins. E. Norlin, and E. Oman. No. 1,074,856; Oct. 7; Gaz. vol. 195; p. 90.
- Preserving apparatus. J. L. Mauldin. No. 1,057,567; Apr. 1; Gaz. vol. 189; p. 58.
- Preserving apparatus. J. E. Osmer. No. 1,059,386; Apr. 22; Gaz. vol. 189; p. 803.
- Preserving apparatus. O. H. Mohr. No. 1,073,276; Sept. 16; Gaz. vol. 194; p. 623.
- Preserving food. F. P. Gorin. No. 1,072,406; Sept. 2; Gaz. vol. 194; p. 251.
- Preserving food. Process and apparatus for. R. D. Elliott. No. 1,061,460; May 13; Gaz. vol. 190; p. 343.
- Preserving food products. Organized apparatus for. J. M. Young. No. 1,070,095; Aug. 12; Gaz. vol. 193; p. 376.
- Preserving green vegetables. Temporarily. C. H. Plummer. No. 1,055,353; Mar. 11; Gaz. vol. 188; p. 272.
- Preserving-house. L. D. Wilson. No. 1,059,803; Apr. 22; Gaz. vol. 189; p. 943.
- Preserving organic materials. H. Monseur. No. 1,057,076; Mar. 25; Gaz. vol. 188; p. 921.
- Preserving organic substances. Apparatus for. W. L. Smith. No. 1,073,641; Sept. 23; Gaz. vol. 194; p. 771.
- Preserving perishable articles. Apparatus for. C. W. Waller. No. 1,064,796; June 17; Gaz. vol. 191; p. 625.
- Preserving plant-leaves, flowers, butterflies, and the like. T. Reinherz. No. 1,076,786; Oct. 28; Gaz. vol. 195; p. 868.
- Preserving the natural flavor of an article of food. C. V. M. Atkinson. No. 1,058,682; Apr. 8; Gaz. vol. 189; p. 486.
- Preserving vessel and cover therefor. C. A. Stenius. No. 1,058,640; Apr. 8; Gaz. vol. 189; p. 470.
- Press. See Baler-press; Baling-press; Band-press; Briquet-press; Cotton-press; Cuff-press; Die-press; Drop-press; Filter-press; Forging-press; Fruit-press; Goffering-press; Hat-press; Hay-press; Hop-press; Hydraulic press; Ice-machine press; Laundry-press; Mop-press; Oil-press; Packing-press; Paper-press; Power-press; Power molding-press; Printing-press; Proof-press; Punch-press; Punching-press; Retort-press; Screw-press; Seal-press; Straightening-press; Trousers-press; Veneer-press; Vulcanizing-press; Wheel-press.
- Press. J. C. Fiddymont. No. 1,049,834; Jan. 7; Gaz. vol. 186; p. 176.
- Press. H. K. Kouyoumjian. No. 1,055,544; Mar. 11; Gaz. vol. 188; p. 335.
- Press. P. L. Serwe. No. 1,064,552; June 10; Gaz. vol. 191; p. 507.
- Press. E. Rau. No. 1,066,653; July 8; Gaz. vol. 192; p. 291.
- Press. J. C. Fiddymont. No. 1,069,404; Aug. 5; Gaz. vol. 193; p. 111.
- Press. D. N. Prime and E. Ashton. No. 1,070,729; Aug. 19; Gaz. vol. 193; p. 634.
- Press. J. Reifschneider. No. 1,071,179; Aug. 26; Gaz. vol. 193; p. 817.
- Press. J. H. Crowell. No. 1,076,023; Oct. 21; Gaz. vol. 195; p. 548.
- Press. J. J. Kinzer. No. 1,077,840; Nov. 4; Gaz. vol. 196; p. 204.
- Press-cloth stripper. O. R. Beusse. No. 1,076,263; Oct. 21; Gaz. vol. 195; p. 629.
- Press-feeding device. E. M. Lockwood. No. 1,082,088; Dec. 23; Gaz. vol. 197; p. 837.
- Press-feeding means. Pneumatic. J. Duvall. No. 1,076,491; Oct. 21; Gaz. vol. 195; p. 711.
- Press for copying-cloths and the like. C. W. Jean. No. 1,057,839; Apr. 1; Gaz. vol. 189; p. 152.
- Press for enlarging holes. F. M. Blount. No. 1,082,793; Dec. 30; Gaz. vol. 197; p. 1114.
- Press for molding insulators. &c. S. Olsen. No. 1,049,594; Jan. 7; Gaz. vol. 186; p. 96.
- Presses or the like. Safety device for. E. Hilfrank. No. 1,062,097; May 20; Gaz. vol. 190; p. 599.
- Presses. Paper-guide for. L. Bakke. No. 1,068,406; July 29; Gaz. vol. 192; p. 998.
- Presses. Paper-guide for. L. Bakke. No. 1,078,657; Nov. 18; Gaz. vol. 196; p. 549.
- Presses. Retaining device for. H. Slater. No. 1,079,068; Nov. 18; Gaz. vol. 196; p. 694.
- Presses. Safety device for power-. C. Knoth. No. 1,065,051; June 17; Gaz. vol. 191; p. 706.
- Presses. Tension-regulating device for web-. W. W. Howe. No. 1,063,263; June 3; Gaz. vol. 191; p. 31.
- Presses. Tripping device for power-. J. H. Rodgers and W. J. Spence. No. 1,075,671; Oct. 14; Gaz. vol. 195; p. 400.
- Presser-foot. J. W. Curran. No. 1,066,257; July 1; Gaz. vol. 192; p. 127.
- Presser-foot. C. Wiczorek. No. 1,069,836; Aug. 12; Gaz. vol. 193; p. 287.
- Pressing and gluing machine. J. N. Lilygren. No. 1,070,047; Aug. 12; Gaz. vol. 193; p. 359.
- Pressing-jack. S. B. Minnich. No. 1,071,074; Aug. 26; Gaz. vol. 193; p. 782.
- Pressing-machine. D. M. Cooper. No. 1,069,232; Aug. 5; Gaz. vol. 193; p. 52.
- Pressing-machine. R. Tannenbaum and P. Reichardt. No. 1,076,529; Oct. 21; Gaz. vol. 195; p. 724.
- Pressing machine. Garment-. E. M. Glasgow and M. Sunshine. No. 1,070,680; Aug. 19; Gaz. vol. 193; p. 618.
- Pressing machine. Neckband-. C. C. Charles. No. 1,059,833; Apr. 22; Gaz. vol. 189; p. 952.
- Pressure-air device. C. Sandoz-Moritz. No. 1,062,608; May 27; Gaz. vol. 190; p. 812.
- Pressure-alarm gage. F. Schubert. No. 1,074,137; Sept. 30; Gaz. vol. 194; p. 969.
- Pressure-controller. A. C. Allen. No. 1,077,501; Nov. 4; Gaz. vol. 196; p. 93.
- Pressure controller. Electric pneumatic-. E. K. Parker. No. 1,081,693; Dec. 16; Gaz. vol. 197; p. 672.
- Pressure-controlling device. G. F. Steedman. No. 1,075,170; Oct. 7; Gaz. vol. 195; p. 200.
- Pressure-controlling device. Synchronous. C. C. Farmer. No. 1,057,481; Apr. 1; Gaz. vol. 189; p. 29.
- Pressure-counteracting mechanism. H. D. Bennett. No. 1,059,022; Apr. 15; Gaz. vol. 189; p. 644.
- Pressure-demonstrating apparatus. F. Aronson. No. 1,071,130; Aug. 26; Gaz. vol. 193; p. 800.
- Pressure-driven drill. A. L. Westrich. No. 1,055,844; Mar. 11; Gaz. vol. 188; p. 436.
- Pressure expansion safety venting device. S. S. Weil. No. 1,068,193; July 22; Gaz. vol. 192; p. 884.
- Pressure-gage. G. A. B. Spencer. No. 1,055,827; Mar. 11; Gaz. vol. 188; p. 431.
- Pressure-gage. G. T. Hackley. No. 1,061,472; May 13; Gaz. vol. 190; p. 347.
- Pressure-gage. A. O. Benecke. No. 1,070,392; Aug. 19; Gaz. vol. 193; p. 519.
- Pressure-gage. H. B. Azadian. No. 1,072,415; Sept. 9; Gaz. vol. 194; p. 281.
- Pressure-gage. H. and G. Buttress. No. 1,073,734; Sept. 23; Gaz. vol. 194; p. 805.
- Pressure-gage holder. G. E. Bailie. No. 1,065,334; June 24; Gaz. vol. 191; p. 839.
- Pressure-governed regulator. D. S. Richardson. No. 1,075,380; Oct. 14; Gaz. vol. 195; p. 301.
- Pressure-governor. G. M. Richards. No. 1,082,821; Dec. 30; Gaz. vol. 197; p. 1123.
- Pressure-motor. J. F. McElroy. No. 1,072,749; Sept. 9; Gaz. vol. 194; p. 397.

Alphabetical list of inventions—Continued.

- Pressure-operating device. A. Simon. No. 1,075,733; Oct. 14; Gaz. vol. 195; p. 421.
- Pressure recorder, Differential-. J. G. Pew and H. C. Cooper. No. 1,058,092; Apr. 8; Gaz. vol. 189; p. 282.
- Pressure-recording gage. A. P. Phillips. No. 1,072,161; Sept. 2; Gaz. vol. 194; p. 169.
- Pressure-regulating apparatus. E. McLean. No. 1,071,771; Sept. 2; Gaz. vol. 194; p. 36.
- Pressure-regulating apparatus, Steam-. N. E. Nash. No. 1,057,447; Apr. 1; Gaz. vol. 189; p. 18.
- Pressure-regulating device. H. Eisele. No. 1,050,438; Jan. 14; Gaz. vol. 186; p. 416.
- Pressure-regulating means. J. L. Perkins. No. 1,079,904; Nov. 25; Gaz. vol. 196; p. 1013.
- Pressure-regulator. G. Regondi. No. 1,063,065; May 27; Gaz. vol. 190; p. 961.
- Pressure regulator, Fluid-. J. M. Kaminsky. No. 1,079,985; Dec. 2; Gaz. vol. 197; p. 23.
- Pressure-regulator, Thermostatic. W. C. Squire. No. 1,074,660; Oct. 7; Gaz. vol. 195; p. 26.
- Pressure-releasing device. D. J. C. Arnold. No. 1,063,002; May 27; Gaz. vol. 190; p. 941.
- Pressure-rolls, Adjusting means for. M. A. Pearson. No. 1,079,876; Nov. 25; Gaz. vol. 196; p. 1003.
- Prickly-pear, Implement for cutting and handling. R. H. Brown. No. 1,053,005; Feb. 11; Gaz. vol. 187; p. 428.
- Primary battery. E. C. Brice. No. 1,049,333; Jan. 7; Gaz. vol. 186; p. 5.
- Primary battery. G. S. Engle. No. 1,049,347; Jan. 7; Gaz. vol. 186; p. 10.
- Primary battery. G. S. Engle. No. 1,052,330; Feb. 4; Gaz. vol. 187; p. 165.
- Primary battery. C. B. Schoenmehl. No. 1,055,560; Mar. 11; Gaz. vol. 188; p. 340.
- Primary battery. C. B. Schoenmehl. No. 1,055,562; Mar. 11; Gaz. vol. 188; p. 340.
- Primary battery. C. B. Schoenmehl. No. 1,055,563; Mar. 11; Gaz. vol. 188; p. 341.
- Primary battery. H. E. R. Little. No. 1,060,468; Apr. 29; Gaz. vol. 189; p. 1212.
- Primary battery. E. E. Hudson and D. Elmes. No. 1,061,541; May 13; Gaz. vol. 190; p. 373.
- Primary battery. A. L. Saltzman. No. 1,076,789; Oct. 28; Gaz. vol. 195; p. 869.
- Primary battery. C. B. Schoenmehl. No. 1,080,483; Dec. 2; Gaz. vol. 197; p. 198.
- Primer. C. A. Bailey. No. 1,060,965; May 6; Gaz. vol. 190; p. 140.
- Priming-cup. G. F. Conner. No. 1,067,310; July 15; Gaz. vol. 192; p. 553.
- Print frame, Blue-. J. A. Hirschberg and J. W. Hartlieb. No. 1,075,913; Oct. 14; Gaz. vol. 195; p. 483.
- Print holder or drawing-holder, Blue-. R. N. Smith. No. 1,061,335; May 13; Gaz. vol. 190; p. 300.
- Print, Relief. I. D. Hurlbut. No. 1,083,100; Dec. 30; Gaz. vol. 197; p. 1217.
- Print washing and developing receptacle, Blue-. C. H. Leach. No. 1,053,409; Feb. 18; Gaz. vol. 187; p. 612.
- Printed matter, Machine for producing. E. M. v. Marchthal. No. 1,054,582; Feb. 25; Gaz. vol. 187; p. 1048.
- Printed matter with glossy surface, Obtaining a mat surface on. M. Dethleffs. No. 1,057,624; Apr. 1; Gaz. vol. 189; p. 78.
- Printer, Time-. E. S. Church. No. 1,070,410; Aug. 19; Gaz. vol. 193; p. 526.
- Printer's clamping device. W. S. Warnock. No. 1,060,218; Apr. 29; Gaz. vol. 189; p. 1124.
- Printer's drying-rack. E. L. Scofield. No. 1,069,193; Aug. 5; Gaz. vol. 193; p. 37.
- Printer's form-clamp. T. Dempster. No. 1,073,221; Sept. 16; Gaz. vol. 194; p. 604.
- Printer's furniture. J. A. Fraser. No. 1,071,150; Aug. 26; Gaz. vol. 193; p. 806.
- Printer's hook. F. C. Leethem. No. 1,049,880; Jan. 7; Gaz. vol. 186; p. 190.
- Printer's plate-holding device. F. W. Weston. No. 1,073,378; Sept. 16; Gaz. vol. 194; p. 659.
- Printer's quoin. J. T. Barton. No. 1,073,838; Sept. 23; Gaz. vol. 194; p. 839.
- Printer's roller composition and making the same. E. J. Larkin. No. 1,049,878; Jan. 7; Gaz. vol. 186; p. 190.
- Printers' rollers, Apparatus for cleaning. S. Crump. No. 1,058,040; Apr. 8; Gaz. vol. 189; p. 263.
- Printer's tool. F. J. Fenstermacher. No. 1,054,964; Mar. 4; Gaz. vol. 188; p. 105.
- Printer's type and furniture. A. P. Brooks. No. 1,073,791; Sept. 23; Gaz. vol. 194; p. 824.
- Printing. T. S. Fox. No. 1,063,525; June 3; Gaz. vol. 191; p. 120.
- Printing. T. S. Fox. No. 1,074,254; Sept. 30; Gaz. vol. 194; p. 1007.
- Printing and for other purposes, Machine for. W. E. Nickerson. No. 1,075,989; Oct. 14; Gaz. vol. 195; p. 509.
- Printing and issuing tickets or checks of different denominations and for registering and totaling numbers and indicating the totals, Apparatus for. G. A. Julius. No. 1,082,957; Dec. 30; Gaz. vol. 197; p. 1170.
- Printing and recording machine for booking-offices, Ticket. P. Andres. No. 1,052,641; Feb. 11; Gaz. vol. 187; p. 304.
- Printing apparatus. B. F. Berry. No. 1,049,652; Jan. 7; Gaz. vol. 186; p. 115.
- Printing apparatus. A. B. Dick. No. 1,057,125; Mar. 25; Gaz. vol. 188; p. 939.
- Printing apparatus. G. C. Thomas. No. 1,058,809; Apr. 15; Gaz. vol. 189; p. 567.
- Printing apparatus. L. M. Todd and C. G. Tiefel. No. 1,061,508; May 13; Gaz. vol. 190; p. 359.
- Printing apparatus. E. O. Cartwright. No. 1,069,765; Aug. 12; Gaz. vol. 193; p. 263.
- Printing apparatus. W. L. Noe and C. M. Mesner. No. 1,081,136; Dec. 9; Gaz. vol. 197; p. 449.
- Printing apparatus, Intaglio-. R. T. Johnston. No. 1,070,610; Aug. 19; Gaz. vol. 193; p. 594.
- Printing apparatus, Ticket-. F. Eller. No. 1,077,194; Oct. 28; Gaz. vol. 195; p. 1005.
- Printing apparatus, Ticket or label. H. Wronker. No. 1,058,130; Apr. 8; Gaz. vol. 189; p. 297.
- Printing attachment for planing-machines. C. H. Helder. No. 1,056,024; Mar. 18; Gaz. vol. 188; p. 531.
- Printing attachment for rolls. M. W. Lee. No. 1,062,979; May 27; Gaz. vol. 190; p. 933.
- Printing bar or slug. F. F. Wilson. No. 1,079,086; Nov. 18; Gaz. vol. 196; p. 700.
- Printing carpet-yarns, Machine for. V. Fussgänger. No. 1,063,252; June 3; Gaz. vol. 191; p. 28.
- Printing composition and preparing the same. M. R. Swope. No. 1,073,941; Sept. 23; Gaz. vol. 194; p. 875.
- Printing compound. F. A. Putnam. No. 1,082,099; Dec. 23; Gaz. vol. 197; p. 840.
- Printing-control system. J. S. Duncan. No. 1,082,506; Dec. 30; Gaz. vol. 197; p. 1012.
- Printing-cylinder. A. M. E. Grignard. No. 1,082,946; Dec. 30; Gaz. vol. 197; p. 1166.
- Printing device. J. S. Duncan. No. 1,063,340; June 3; Gaz. vol. 191; p. 58.
- Printing device. J. S. Duncan. No. 1,080,201; Dec. 2; Gaz. vol. 197; p. 99.
- Printing device. J. S. Duncan. No. 1,082,505; Dec. 30; Gaz. vol. 197; p. 1011.
- Printing device, Crown-. W. Jackson. No. 1,051,737; Jan. 28; Gaz. vol. 186; p. 925.
- Printing device, Umbra. J. Sulzbach. No. 1,064,180; June 10; Gaz. vol. 191; p. 381.
- Printing, Drier for relief. I. D. Hurlbut. No. 1,066,278; July 1; Gaz. vol. 192; p. 134.
- Printing drums, Color-carriage-operating mechanism for tapestry-. F. A. Whitmore. No. 1,050,075; Jan. 7; Gaz. vol. 186; p. 257.
- Printing-form. W. J. F. Maidhof. No. 1,053,518; Feb. 18; Gaz. vol. 187; p. 650.
- Printing-form. W. J. F. Maidhof. No. 1,055,770; Mar. 11; Gaz. vol. 188; p. 411.
- Printing-form. P. T. Dodge. No. 1,064,455; June 10; Gaz. vol. 191; p. 476.
- Printing-form. W. J. F. Maidhof. No. 1,066,932; July 8; Gaz. vol. 192; p. 387.
- Printing-form section. J. S. Duncan. No. 1,054,285; Feb. 25; Gaz. vol. 187; p. 946.
- Printing-form, Sectional. J. S. Duncan. No. 1,054,284; Feb. 25; Gaz. vol. 187; p. 945.
- Printing-forms, Producing planographic. G. R. Cornwall. No. 1,069,855; Aug. 12; Gaz. vol. 193; p. 294.
- Printing-frame. W. S. King. No. 1,052,152; Feb. 4; Gaz. vol. 187; p. 107.
- Printing-frame. G. Froendt. No. 1,072,444; Sept. 9; Gaz. vol. 194; p. 292.
- Printing from intaglio printing-plates, Machine for. H. A. W. Wood. No. 1,074,765; Oct. 7; Gaz. vol. 195; p. 62.
- Printing-machine. L. C. Bridge. No. 1,049,987; Jan. 7; Gaz. vol. 186; p. 226.
- Printing-machine. M. A. Lathey. No. 1,055,335; Mar. 11; Gaz. vol. 188; p. 265.
- Printing-machine. E. P. Sheldon. No. 1,055,497; Mar. 11; Gaz. vol. 188; p. 320.
- Printing-machine. W. Scott. No. 1,058,017; Apr. 1; Gaz. vol. 189; p. 213.
- Printing-machine. W. M. Bacon. No. 1,060,578; May 6; Gaz. vol. 190; p. 5.
- Printing-machine. W. Scott. No. 1,060,949; May 6; Gaz. vol. 190; p. 134.
- Printing-machine. J. H. Hastings. No. 1,069,418; Aug. 5; Gaz. vol. 193; p. 116.
- Printing-machine. E. H. Cottrell. No. 1,072,702; Sept. 9; Gaz. vol. 194; p. 382.
- Printing-machine. E. H. Cottrell. No. 1,072,703; Sept. 9; Gaz. vol. 194; p. 382.
- Printing-machine. C. L. Moon and J. Odell. No. 1,074,004; Sept. 23; Gaz. vol. 194; p. 896.
- Printing-machine. L. A. Schmidt. No. 1,075,499; Oct. 14; Gaz. vol. 195; p. 342.
- Printing-machine. E. E. Strawn. No. 1,076,613; Oct. 21; Gaz. vol. 195; p. 754.
- Printing-machine. G. M. Breckenridge. No. 1,080,321; Dec. 2; Gaz. vol. 197; p. 141.
- Printing-machine. A. L. Soh. No. 1,082,774; Dec. 30; Gaz. vol. 197; p. 1108.
- Printing-machine, Artificial-light. E. J. Brogan. No. 1,065,210; June 17; Gaz. vol. 191; p. 758.

Alphabetical list of inventions—Continued.

- Printing-machine compensating and retrieving means. R. T. Johnston. No. 1,080,978; Dec. 9; Gaz. vol. 197; p. 399.
- Printing machine, Continuous sun blue. F. C. Forrest. No. 1,071,724; Sept. 2; Gaz. vol. 194; p. 18.
- Printing machine, Duplicating stencil. E. D. Belknap. No. 1,060,309; Apr. 29; Gaz. vol. 189; p. 1157.
- Printing machine, Fabric. E. Bontemps. No. 1,055,312; Mar. 11; Gaz. vol. 188; p. 257.
- Printing-machine-feeding device. W. Hay. No. 1,078,281; Nov. 11; Gaz. vol. 196; p. 388.
- Printing-machine mechanism, Intaglio. E. Mertens. No. 1,057,073; Mar. 25; Gaz. vol. 188; p. 920.
- Printing-machine mechanism, Intaglio. E. Mertens. No. 1,063,371; June 3; Gaz. vol. 191; p. 68.
- Printing-machine, Multicouple multirevolution. W. Scott. No. 1,065,276; June 17; Gaz. vol. 191; p. 781.
- Printing-machine offset mechanism. M. N. Cormack. No. 1,082,409; Dec. 23; Gaz. vol. 197; p. 947.
- Printing machine, Pencil. H. W. Brewer. No. 1,068,851; July 29; Gaz. vol. 192; p. 1153.
- Printing machine, Pencil. J. B. Scott. No. 1,080,722; Dec. 9; Gaz. vol. 197; p. 309.
- Printing-machine plate-holding means. H. Tugender. No. 1,079,076; Nov. 18; Gaz. vol. 196; p. 698.
- Printing-machine rollers, Adjustable bearing for. A. Burgett. No. 1,068,562; July 29; Gaz. vol. 192; p. 1049.
- Printing-machine, Rotary. T. F. Elsworth. No. 1,065,228; June 17; Gaz. vol. 191; p. 765.
- Printing machine, Rotary intaglio. D. J. and W. C. Scott. No. 1,078,219; Nov. 11; Gaz. vol. 196; p. 367.
- Printing machine, Rotary sheet. E. P. Sheldon. No. 1,078,963; Nov. 18; Gaz. vol. 196; p. 655.
- Printing machine, Selvage. R. Baird. No. 1,055,597; Mar. 11; Gaz. vol. 188; p. 352.
- Printing-machine sheet-delivery apparatus. H. M. Barber. No. 1,066,875; July 8; Gaz. vol. 192; p. 366.
- Printing-machine sheet-delivery mechanism. H. M. Barber. No. 1,078,238; Nov. 11; Gaz. vol. 196; p. 373.
- Printing-machine sheet-delivery mechanism. H. M. Barber. No. 1,078,239; Nov. 11; Gaz. vol. 196; p. 373.
- Printing machine, Stencil. E. A. Cox. No. 1,070,419; Aug. 19; Gaz. vol. 193; p. 529.
- Printing-machine, Universal. W. C. Huebner. No. 1,051,590; Jan. 28; Gaz. vol. 186; p. 877.
- Printing machines, Combination and arrangement of rotary web. C. W. Doll. No. 1,074,699; Oct. 7; Gaz. vol. 195; p. 39.
- Printing-machines, Paper-sheet self-feeding device for. J. H. Hastings. No. 1,050,650; Jan. 14; Gaz. vol. 186; p. 488.
- Printing-machines, Sheet-delivery apparatus for. H. M. Barber. No. 1,073,317; Sept. 16; Gaz. vol. 194; p. 638.
- Printing-machines, Slip-sheet-feeding device for sheet-delivery mechanisms for. H. M. Barber. No. 1,064,275; June 10; Gaz. vol. 191; p. 412.
- Printing-machines, Underscoring device for. W. R. Allen. No. 1,052,201; Feb. 4; Gaz. vol. 187; p. 124.
- Printing master-sheets for type-writer operators, &c., Machine for. J. McTammany. No. 1,075,366; Oct. 14; Gaz. vol. 195; p. 295.
- Printing mechanism. H. C. Osborn. No. 1,049,907; Jan. 7; Gaz. vol. 186; p. 200.
- Printing mechanism. H. G. Leibenthal. No. 1,055,928; Mar. 11; Gaz. vol. 188; p. 463.
- Printing mechanism. F. G. Jahn. No. 1,065,945; July 1; Gaz. vol. 192; p. 14.
- Printing mechanism. J. R. Lumpkin. No. 1,069,446; Aug. 5; Gaz. vol. 193; p. 125.
- Printing mechanism. B. F. Joline. No. 1,080,913; Dec. 9; Gaz. vol. 197; p. 378.
- Printing mechanism, Envelop. C. F. Smith. No. 1,051,353; Jan. 21; Gaz. vol. 186; p. 762.
- Printing mechanism for adding-machines. J. C. Lotterhand. (Reissue.) No. 13,539; Mar. 4; Gaz. vol. 188; p. 217.
- Printing mechanism for adding-machines. J. C. Lotterhand. No. 1,069,152; Aug. 5; Gaz. vol. 193; p. 21.
- Printing mechanism for ticket issuing and auditing machines. J. F. Ohmer. No. 1,056,765; Mar. 18; Gaz. vol. 188; p. 787.
- Printing mechanism, Time. H. Abbott. (Reissue.) No. 13,597; July 22; Gaz. vol. 192; p. 957.
- Printing or addressing machine. S. C. Cox. No. 1,075,965; Oct. 14; Gaz. vol. 195; p. 500.
- Printing or addressing machines, Type or slug feed for. S. C. Cox. No. 1,075,966; Oct. 14; Gaz. vol. 195; p. 501.
- Printing or stenciling apparatus. F. W. Adams. No. 1,073,556; Sept. 16; Gaz. vol. 194; p. 719.
- Printing, perforating, and cutting, Manufacturing means for simultaneously. G. M. Laub. No. 1,056,805; Mar. 25; Gaz. vol. 188; p. 828.
- Printing-plate. G. R. Cornwall. No. 1,069,856; Aug. 12; Gaz. vol. 193; p. 295.
- Printing-plate-casting apparatus, Cooling device for stereotype. J. S. Healy. No. 1,049,477; Jan. 7; Gaz. vol. 186; p. 53.
- Printing-plate-finishing mechanism, Stereotype. H. A. W. Wood. (Reissue.) No. 13,633; Oct. 21; Gaz. vol. 195; p. 788.
- Printing-plate holder and registering clamp. C. F. Rockstroh, Jr. No. 1,071,349; Aug. 26; Gaz. vol. 193; p. 874.
- Printing-plate holder and registering clamp. E. M. Erb. No. 1,074,108; Sept. 30; Gaz. vol. 194; p. 960.
- Printing-plate reinforcement. C. M. Letz. No. 1,076,046; Oct. 21; Gaz. vol. 195; p. 556.
- Printing-plate-shaving machine. M. A. McKee. No. 1,054,130; Feb. 25; Gaz. vol. 187; p. 893.
- Printing-plates, Apparatus for wiping intaglio. H. Georges, A. Valentin, and J. Zerreich. No. 1,082,586; Dec. 30; Gaz. vol. 197; p. 1041.
- Printing-plates, Making. M. A. Droitcour. No. 1,064,134; June 10; Gaz. vol. 191; p. 365.
- Printing-plates, Making toned. M. A. Droitcour. No. 1,051,203; Jan. 21; Gaz. vol. 186; p. 712.
- Printing-plates, Mechanism for imposing and registering. K. M. and F. Schlueter, Jr. No. 1,067,067; July 8; Gaz. vol. 192; p. 431.
- Printing-plates, Producing. O. Luppe. No. 1,077,483; Nov. 4; Gaz. vol. 196; p. 86.
- Printing-plates, Producing half-tone relief. W. J. Wilkinson. No. 1,055,790; Mar. 4; Gaz. vol. 188; p. 48.
- Printing-plates, Producing stereotype. A. L. Case. No. 1,064,052; June 10; Gaz. vol. 191; p. 336.
- Printing-plates, Treatment of. M. A. McKee. No. 1,077,621; Nov. 4; Gaz. vol. 196; p. 131.
- Printing-press. W. H. Smith. No. 1,050,862; Jan. 21; Gaz. vol. 186; p. 595.
- Printing-press. P. F. Cox. No. 1,052,712; Feb. 11; Gaz. vol. 187; p. 327.
- Printing-press. W. H. Smith. No. 1,056,131; Mar. 18; Gaz. vol. 188; p. 568.
- Printing-press. W. Evensen. No. 1,057,134; Mar. 25; Gaz. vol. 188; p. 943.
- Printing-press. J. A. Whittington. No. 1,062,573; May 20; Gaz. vol. 190; p. 757.
- Printing-press. H. L. Jensen. No. 1,062,917; May 27; Gaz. vol. 190; p. 913.
- Printing-press. D. J. Morrissey. No. 1,066,645; July 8; Gaz. vol. 192; p. 288.
- Printing-press. H. Höchner. No. 1,067,026; July 8; Gaz. vol. 192; p. 417.
- Printing-press. G. A. Kitz. No. 1,068,063; July 22; Gaz. vol. 192; p. 840.
- Printing-press. R. T. Johnston. No. 1,069,139; Aug. 5; Gaz. vol. 193; p. 17.
- Printing-press. R. T. Johnston. No. 1,069,140; Aug. 5; Gaz. vol. 193; p. 17.
- Printing-press. R. T. Johnston. No. 1,069,654; Aug. 5; Gaz. vol. 193; p. 194.
- Printing-press. E. O. Cartwright. No. 1,069,764; Aug. 12; Gaz. vol. 193; p. 262.
- Printing-press. E. O. Cartwright. No. 1,069,766; Aug. 12; Gaz. vol. 193; p. 263.
- Printing-press. M. Vierengel. No. 1,072,883; Sept. 9; Gaz. vol. 194; p. 447.
- Printing-press. J. J. Walser. No. 1,073,450; Sept. 16; Gaz. vol. 194; p. 684.
- Printing-press. H. M. Barber. No. 1,077,214; Oct. 28; Gaz. vol. 195; p. 1012.
- Printing-press. K. F. Kirkman. No. 1,077,283; Nov. 4; Gaz. vol. 196; p. 14.
- Printing-press. B. McGinty. No. 1,077,485; Nov. 4; Gaz. vol. 196; p. 87.
- Printing-press. J. Bucher. No. 1,079,161; Nov. 18; Gaz. vol. 196; p. 727.
- Printing-press. W. Scott. No. 1,079,368; Nov. 25; Gaz. vol. 196; p. 826.
- Printing-press. C. H. Bright, Jr. No. 1,081,887; Dec. 16; Gaz. vol. 197; p. 739.
- Printing-press. A. E. Mowrey. No. 1,082,353; Dec. 23; Gaz. vol. 197; p. 929.
- Printing-press alining device. J. E. Bell. No. 1,070,764; Aug. 19; Gaz. vol. 193; p. 647.
- Printing-press attachment. R. R. Myers. No. 1,055,212; Mar. 4; Gaz. vol. 188; p. 186.
- Printing-press attachment. F. H. Owen. No. 1,058,382; Apr. 8; Gaz. vol. 189; p. 385.
- Printing-press attachment. J. G. Robertson. No. 1,075,670; Oct. 14; Gaz. vol. 195; p. 400.
- Printing-press attachment. H. M. Bullis. No. 1,081,429; Dec. 16; Gaz. vol. 197; p. 586.
- Printing-press attachment, Cylinder. P. S. Nielsen. No. 1,056,440; Mar. 18; Gaz. vol. 188; p. 672.
- Printing-press, Automatic. S. B. Feuerstein. No. 1,051,206; Jan. 21; Gaz. vol. 186; p. 713.
- Printing-press automatic feeding device. H. Honigmann. No. 1,074,720; Oct. 7; Gaz. vol. 195; p. 46.
- Printing-press bed-motion. W. K. Hodgman. No. 1,066,412; July 1; Gaz. vol. 192; p. 176.
- Printing-press bed-plate adjustment. J. Cottle. No. 1,056,090; Mar. 18; Gaz. vol. 188; p. 553.
- Printing-press combined lockup and register. P. J. Shniedewend. No. 1,068,705; July 29; Gaz. vol. 192; p. 1100.
- Printing-press device, Platen. E. L. Megill. No. 1,055,412; Mar. 11; Gaz. vol. 188; p. 291.
- Printing-press feed and delivery attachment. S. W. Cortis-sez. No. 1,061,526; May 13; Gaz. vol. 190; p. 367.

Alphabetical list of inventions—Continued.

- Printing-press feed-gage. B. McGinty. No. 1,073,865; Sept. 23; Gaz. vol. 194; p. 848.
- Printing-press feed-gage. S. J. Kubel. No. 1,077,284; Nov. 4; Gaz. vol. 196; p. 14.
- Printing-press feed-guide. W. P. Harmony. No. 1,074,861; Oct. 7; Gaz. vol. 195; p. 92.
- Printing-press-feeding attachment. B. F. Upham. No. 1,082,374; Dec. 23; Gaz. vol. 197; p. 936.
- Printing-press, Flat-bed rotary. H. B. Cooley. No. 1,070,117; Aug. 12; Gaz. vol. 193; p. 383.
- Printing-press, Flat-bed rotary. H. B. Cooley. No. 1,076,004; Oct. 14; Gaz. vol. 195; p. 514.
- Printing-press gage. J. H. Dyer. No. 1,069,606; Aug. 5; Gaz. vol. 193; p. 178.
- Printing-press ink-fountain. E. F. Holz. No. 1,077,882; Nov. 4; Gaz. vol. 196; p. 219.
- Printing-press inking device. A. B. Davis and A. B. Leffel. No. 1,072,095; Sept. 2; Gaz. vol. 194; p. 145.
- Printing-press inking-fountain. J. E. Raible. No. 1,076,785; Oct. 28; Gaz. vol. 195; p. 868.
- Printing-press inking-rollers, Means for tripping. H. Pearce, T. R. G. Parker, and F. W. Wright. No. 1,060,624; May 6; Gaz. vol. 190; p. 21.
- Printing press, Multicolor. H. W. Brewer. No. 1,068,480; July 29; Gaz. vol. 192; p. 1023.
- Printing-press, Multicolor web-perfecting. J. L. Firm. No. 1,052,473; Feb. 11; Gaz. vol. 187; p. 248.
- Printing press, Planographic. R. T. Johnston. No. 1,075,575; Oct. 14; Gaz. vol. 195; p. 367.
- Printing press, Plate. G. H. Gihon. No. 1,071,043; Aug. 26; Gaz. vol. 193; p. 771.
- Printing-press, Proof. R. O. Vandercook. No. 1,076,084; Oct. 21; Gaz. vol. 195; p. 569.
- Printing-press register-gage. J. Stivers. No. 1,067,154; July 8; Gaz. vol. 192; p. 462.
- Printing-press, Rotary. H. F. Bechman. No. 1,054,493; Feb. 25; Gaz. vol. 187; p. 1019.
- Printing-press, Rotary. H. F. Bechman. (Reissue.) No. 13,641; Nov. 11; Gaz. vol. 196; p. 500.
- Printing-press sheet-feeding device. D. F. Reid and H. C. Johnson. No. 1,054,987; Mar. 4; Gaz. vol. 188; p. 113.
- Printing-press tray-slide attachment. W. G. Humphrey. No. 1,073,131; Sept. 16; Gaz. vol. 194; p. 571.
- Printing-press tripping mechanism. A. B. Ellery. No. 1,076,965; Oct. 28; Gaz. vol. 195; p. 932.
- Printing-press tripping mechanism. R. Miehle. No. 1,081,320; Dec. 16; Gaz. vol. 197; p. 550.
- Printing-presses and like machines, Stacking mechanism for. J. A. Engel. No. 1,067,475; July 15; Gaz. vol. 192; p. 608.
- Printing-presses and the like, Reciprocating mechanism for. C. A. McCain. No. 1,063,273; June 3; Gaz. vol. 191; p. 35.
- Printing-presses and the like, Sheet-delivery mechanism for. W. L. Hamilton. No. 1,060,450; Apr. 29; Gaz. vol. 189; p. 1206.
- Printing-presses, Counting attachment for. E. R. Richards. No. 1,064,772; June 17; Gaz. vol. 191; p. 618.
- Printing-presses, Drying apparatus for. W. A. Spurrier. No. 1,050,399; Jan. 14; Gaz. vol. 186; p. 401.
- Printing-presses, Feed for. H. B. Green. No. 1,068,891; July 29; Gaz. vol. 192; p. 1167.
- Printing-presses, Feeding-tape mechanism for. G. A. Eddy. No. 1,052,468; Feb. 11; Gaz. vol. 187; p. 247.
- Printing-presses, Gage-pin for. G. E. Hellmich. No. 1,066,011; July 1; Gaz. vol. 192; p. 38.
- Printing-presses, Inking mechanism for bed-and-cylinder. H. M. Barber. No. 1,073,836; Sept. 23; Gaz. vol. 194; p. 838.
- Printing-presses, Means for coupling feeders or the like to. W. H. Smith. No. 1,079,370; Nov. 25; Gaz. vol. 196; p. 827.
- Printing-presses, Means for handling web-rolls and webs for. S. T. Walkup. No. 1,050,047; Jan. 7; Gaz. vol. 186; p. 247.
- Printing-presses or the like, Detector for. G. T. Eagar. No. 1,077,818; Nov. 4; Gaz. vol. 196; p. 198.
- Printing-presses or the like, Protective device for. W. Y. Dear and E. S. Cole. No. 1,068,573; July 29; Gaz. vol. 192; p. 1054.
- Printing-presses or the like, Protective device for. W. Y. Dear and E. S. Cole. No. 1,071,608; Aug. 26; Gaz. vol. 193; p. 959.
- Printing-presses, Paper-guide for. L. Bakke. No. 1,068,477; July 29; Gaz. vol. 192; p. 1021.
- Printing-presses, Plate-clamping device for rotary cylinder. H. F. Bechman. No. 1,052,206; Feb. 4; Gaz. vol. 187; p. 125.
- Printing-presses, Plate-registering device for plate-cylinders of. C. T. Cundall. No. 1,070,669; Aug. 19; Gaz. vol. 193; p. 614.
- Printing-presses, Sheet-delivery mechanism for rotary. M. A. Droitcour. No. 1,078,997; Nov. 18; Gaz. vol. 196; p. 669.
- Printing-presses, Slip-sheet-feeding device for. H. M. Barber. No. 1,077,029; Oct. 28; Gaz. vol. 195; p. 955.
- Printing-presses, Type-turtle or fudge-bed for rotary. W. Loveland and H. E. Sloan. No. 1,052,678; Feb. 11; Gaz. vol. 187; p. 318.
- Printing-roll. J. E. Gartside. No. 1,050,015; Jan. 7; Gaz. vol. 186; p. 236.
- Printing-rolls on electrodepositing-tanks, Mounting for. H. R. Boissier. No. 1,055,512; Mar. 11; Gaz. vol. 188; p. 325.
- Printing-rollers, Device for cleaning. P. J. Lynch. No. 1,072,244; Sept. 2; Gaz. vol. 194; p. 195.
- Printing-stamp, Band. C. S. Ellis. No. 1,069,868; Aug. 12; Gaz. vol. 193; p. 299.
- Printing-surface, Planographic. G. R. Cornwall. No. 1,069,857; Aug. 12; Gaz. vol. 193; p. 295.
- Printing-surfaces, Producing. S. E. Dittman. No. 1,060,893; May 6; Gaz. vol. 190; p. 114.
- Printing-surfaces, Producing. R. Hajek. No. 1,067,652; July 15; Gaz. vol. 192; p. 668.
- Printing text on tapes, Apparatus for. M. Baumann. No. 1,069,315; Aug. 5; Gaz. vol. 193; p. 79.
- Printing, washing, and drying machine, Combined. C. F. Pease. No. 1,067,372; July 15; Gaz. vol. 192; p. 573.
- Prism, Refracting. O. Eppenstein. No. 1,081,031; Dec. 9; Gaz. vol. 197; p. 416.
- Prism, Ventilated. A. Chambley. No. 1,083,056; Dec. 30; Gaz. vol. 197; p. 1201.
- Pritch. C. Hoff. No. 1,054,770; Mar. 4; Gaz. vol. 188; p. 41.
- Processing apparatus. H. L. Gantt. No. 1,074,568; Sept. 30; Gaz. vol. 194; p. 1110.
- Program-indicator. T. H. Rochford. No. 1,057,670; Apr. 1; Gaz. vol. 189; p. 94.
- Projectile. W. H. Swett. No. 1,049,419; Jan. 7; Gaz. vol. 186; p. 34.
- Projectile. K. Wieser. No. 1,063,094; May 27; Gaz. vol. 190; p. 971.
- Projectile. J. A. Marker. No. 1,066,130; July 1; Gaz. vol. 192; p. 80.
- Projectile. G. Torday. No. 1,067,080; July 8; Gaz. vol. 192; p. 435.
- Projectile. W. M. Douglas. No. 1,069,237; Aug. 5; Gaz. vol. 193; p. 54.
- Projectile. E. Gathmann. No. 1,074,111; Sept. 30; Gaz. vol. 194; p. 961.
- Projectile. T. A. Fildjeland. No. 1,075,202; Oct. 7; Gaz. vol. 195; p. 212.
- Projectile, Apparatus for automatically indicating the time of flight of a. E. Müller. No. 1,079,794; Nov. 25; Gaz. vol. 196; p. 976.
- Projectile, Armor-piercing. A. J. Soden. No. 1,059,403; Apr. 22; Gaz. vol. 189; p. 810.
- Projectile for rock-breakers. M. Quenner. No. 1,076,148; Oct. 21; Gaz. vol. 195; p. 591.
- Projectile-tracer. P. D. Bunker. No. 1,080,413; Dec. 2; Gaz. vol. 197; p. 175.
- Projectile with visible trajectory. K. Wieser. No. 1,075,391; Oct. 14; Gaz. vol. 195; p. 306.
- Projectiles, Cap for armor-piercing. R. A. Hadfield, A. M. Jack, and A. B. H. Clerke. No. 1,076,419; Oct. 21; Gaz. vol. 195; p. 686.
- Projectiles, Illuminating-body for illuminating. F. Ziegenfuss. No. 1,079,821; Nov. 25; Gaz. vol. 196; p. 984.
- Projectiles, Tracer for. J. B. Semple. No. 1,077,204; Oct. 28; Gaz. vol. 195; p. 1009.
- Projecting apparatus. Z. Littman. No. 1,052,835; Feb. 11; Gaz. vol. 187; p. 370.
- Projecting apparatus. I. Kitsee. No. 1,070,699; Aug. 19; Gaz. vol. 193; p. 624.
- Projecting apparatus. K. Koike. No. 1,072,861; Sept. 9; Gaz. vol. 194; p. 438.
- Projecting apparatus. H. F. Patton. No. 1,075,789; Oct. 14; Gaz. vol. 195; p. 439.
- Projecting apparatus. H. Krieger and C. F. Dewey. No. 1,075,920; Oct. 14; Gaz. vol. 195; p. 485.
- Projection apparatus. E. and H. Bausch, G. Hommel, W. L. Patterson, and E. Sailer. No. 1,059,969; Apr. 29; Gaz. vol. 189; p. 1040.
- Projection apparatus. S. Schulhoff. No. 1,070,992; Aug. 19; Gaz. vol. 193; p. 719.
- Projection apparatus. C. C. Balderston. No. 1,081,922; Dec. 16; Gaz. vol. 197; p. 750.
- Projector control. J. L. Hall. No. 1,060,754; May 6; Gaz. vol. 190; p. 65.
- Prompter, Mechanical. J. Durkin. No. 1,081,220; Dec. 9; Gaz. vol. 197; p. 477.
- Proof-press. E. Richard. No. 1,049,919; Jan. 7; Gaz. vol. 186; p. 203.
- Proof-press. A. L. Blue. No. 1,079,325; Nov. 25; Gaz. vol. 196; p. 811.
- Propeller. N. H. Freeman. No. 1,049,571; Jan. 7; Gaz. vol. 186; p. 88.
- Propeller. F. Müller. No. 1,054,786; Mar. 4; Gaz. vol. 188; p. 46.
- Propeller. J. H. Esson. No. 1,055,455; Mar. 11; Gaz. vol. 188; p. 307.
- Propeller. G. A. Smith, J. E. Brooks, G. E. Bowman, and H. H. Sleppey. No. 1,057,891; Apr. 1; Gaz. vol. 189; p. 170.
- Propeller. J. H. Jensen. No. 1,059,541; Apr. 22; Gaz. vol. 189; p. 858.
- Propeller. G. A. Schlotter. No. 1,062,258; May 20; Gaz. vol. 190; p. 654.

Alphabetical list of inventions—Continued.

- Propeller. O. Peterson. No. 1,063,726; June 3; Gaz. vol. 191; p. 193.
- Propeller. W. F. Myers. No. 1,065,710; June 24; Gaz. vol. 191; p. 968.
- Propeller. W. R. Boutwell. No. 1,066,988; July 8; Gaz. vol. 192; p. 405.
- Propeller. H. S. Morley. No. 1,072,249; Sept. 2; Gaz. vol. 194; p. 196.
- Propeller. H. Faehrmann. No. 1,073,413; Sept. 16; Gaz. vol. 194; p. 672.
- Propeller. J. E. Bissell. No. 1,077,187; Oct. 28; Gaz. vol. 195; p. 1003.
- Propeller. A. E. Mueller. No. 1,078,159; Nov. 11; Gaz. vol. 196; p. 346.
- Propeller. H. D. F. Bagley. No. 1,080,406; Dec. 2; Gaz. vol. 197; p. 173.
- Propeller. E. A. Richter. No. 1,080,657; Dec. 9; Gaz. vol. 197; p. 288.
- Propeller. G. Gays. No. 1,080,964; Dec. 9; Gaz. vol. 197; p. 395.
- Propeller. S. Heath. No. 1,081,612; Dec. 16; Gaz. vol. 197; p. 647.
- Propeller and submarine boat, Blade or fish-tail. G. and U. Antoni. No. 1,050,090; Jan. 14; Gaz. vol. 186; p. 297.
- Propeller-blade and means for controlling the same, Adjustable. W. G. Murray. No. 1,053,060; Feb. 11; Gaz. vol. 187; p. 447.
- Propeller-blade-milling machine. K. Ito. No. 1,077,279; Nov. 4; Gaz. vol. 196; p. 12.
- Propeller-blade patterns, Producing. W. R. Boutwell. No. 1,062,762; May 27; Gaz. vol. 190; p. 861.
- Propeller, Boat-. A. L. Green. No. 1,054,531; Feb. 25; Gaz. vol. 187; p. 1030.
- Propeller, Boat-. A. Mayer. No. 1,060,776; May 6; Gaz. vol. 190; p. 73.
- Propeller, Boat-. H. Taylor. No. 1,067,385; July 15; Gaz. vol. 192; p. 577.
- Propeller chamber or tunnel for shallow-draft vessels. A. F. Yarrow. No. 1,059,806; Apr. 22; Gaz. vol. 189; p. 944.
- Propeller, Fish-tail. B. Stevenson. No. 1,079,193; Nov. 18; Gaz. vol. 196; p. 738.
- Propeller, Fluid-. A. Papin. No. 1,055,487; Mar. 11; Gaz. vol. 188; p. 317.
- Propeller, Metallic. P. Jacomy. No. 1,082,750; Dec. 30; Gaz. vol. 197; p. 1099.
- Propeller, Motor-. L. E. Vogel. No. 1,070,089; Aug. 12; Gaz. vol. 193; p. 374.
- Propeller, Reversible. A. P. Poupert. No. 1,069,026; July 29; Gaz. vol. 192; p. 1212.
- Propeller, Screw-. F. De Konig. No. 1,064,695; June 10; Gaz. vol. 191; p. 557.
- Propeller, Screw-. D. W. Taylor. No. 1,068,946; July 29; Gaz. vol. 192; p. 1186.
- Propeller, Screw-. A. P. Filippi. No. 1,078,270; Nov. 11; Gaz. vol. 196; p. 385.
- Propeller, Scull-. E. Juberg. No. 1,068,665; July 29; Gaz. vol. 192; p. 1086.
- Propeller, Ship-. L. Maublanc and N. Lallie. No. 1,074,513; Sept. 30; Gaz. vol. 194; p. 1091.
- Propeller, Sinusoid. I. J. Paddock. No. 1,052,949; Feb. 11; Gaz. vol. 187; p. 411.
- Propeller-steering. J. C. Christiansen. No. 1,056,247; Mar. 18; Gaz. vol. 188; p. 607.
- Propellers, Hydraulic controlling means for. W. L. Gile. No. 1,078,092; Nov. 11; Gaz. vol. 196; p. 324.
- Propelling device, Boat-. E. P. Mollenauer. No. 1,049,755; Jan. 7; Gaz. vol. 186; p. 148.
- Propelling device, Boat-. M. Alderman. No. 1,057,317; Mar. 25; Gaz. vol. 188; p. 1003.
- Propelling engine or motor. J. H. Poage. No. 1,078,748; Nov. 18; Gaz. vol. 196; p. 582.
- Propelling means, Boat-. C. F. Hilden. No. 1,050,458; Jan. 14; Gaz. vol. 186; p. 423.
- Propelling means for vessels. T. B. Taylor. No. 1,065,479; June 24; Gaz. vol. 191; p. 889.
- Propelling mechanism. F. B. Taff. No. 1,058,807; Apr. 15; Gaz. vol. 189; p. 566.
- Propelling mechanism. C. Oliver and O. G. Jacobson. No. 1,061,110; May 6; Gaz. vol. 190; p. 189.
- Propelling mechanism, Catamaran-. M. Phillips. No. 1,056,296; Mar. 18; Gaz. vol. 188; p. 623.
- Propelling or power-generating mechanism. J. C. Caldwell. No. 1,067,897; July 22; Gaz. vol. 192; p. 784.
- Proportional meter. T. B. Wylie. No. 1,076,855; Oct. 28; Gaz. vol. 195; p. 893.
- Proportional meter. T. B. Wylie. No. 1,077,208; Oct. 28; Gaz. vol. 195; p. 1010.
- Propulsion means for vessels. O. J. Peterson. No. 1,068,696; July 29; Gaz. vol. 192; p. 1097.
- Propulsion mechanism for vessels. F. C. Sauer. No. 1,069,479; Aug. 5; Gaz. vol. 193; p. 137.
- Propulsion of marine vessels and for other purposes. Power installation for the. H. A. Mavor. No. 1,071,070; Aug. 26; Gaz. vol. 193; p. 780.
- Propulsion of vessels. T. Mills. No. 1,049,384; Jan. 7; Gaz. vol. 186; p. 23.
- Propulsion of vessels. J. E. Thornycroft. No. 1,053,243; Feb. 18; Gaz. vol. 187; p. 553.
- Propulsion, Steam prime mover for marine. C. G. Curtis. No. 1,078,838; Nov. 18; Gaz. vol. 196; p. 614.
- Proscenium-closure and projector-screen. J. A. O'Brien and G. N. Heald. No. 1,075,118; Oct. 7; Gaz. vol. 195; p. 182.
- Protective device. E. E. F. Creighton. No. 1,055,881; Mar. 11; Gaz. vol. 188; p. 448.
- Protective device. D. Basch. No. 1,062,812; May 27; Gaz. vol. 190; p. 878.
- Protector. P. E. Erikson. No. 1,063,249; June 3; Gaz. vol. 191; p. 28.
- Protector. G. C. Ludgate. No. 1,073,861; Sept. 23; Gaz. vol. 194; p. 846.
- Protractor. T. J. P. Aanstoets. No. 1,058,512; Apr. 8; Gaz. vol. 189; p. 429.
- Protractor. R. C. Gorbey. No. 1,076,758; Oct. 28; Gaz. vol. 195; p. 859.
- Protractor. A. P. Ward. No. 1,082,377; Dec. 23; Gaz. vol. 197; p. 937.
- Protractor, Dial-. A. Leloup. No. 1,060,466; Apr. 29; Gaz. vol. 189; p. 1212.
- Protractor, General. J. Sharpe. No. 1,058,474; Apr. 8; Gaz. vol. 189; p. 415.
- Protractor, Parallel. C. P. Eager. No. 1,051,712; Jan. 28; Gaz. vol. 186; p. 917.
- Protractor, Pocket-. J. Sharpe. No. 1,062,740; May 27; Gaz. vol. 190; p. 854.
- Prune-picker. A. L. Morton. No. 1,059,063; Apr. 15; Gaz. vol. 189; p. 657.
- Pruning implement. G. N. Spencer. No. 1,082,290; Dec. 23; Gaz. vol. 197; p. 907.
- Pruning-shears. A. R. Hughes. No. 1,072,232; Sept. 2; Gaz. vol. 194; p. 191.
- Pruning-shears. T. E. Wylie. No. 1,074,766; Oct. 7; Gaz. vol. 195; p. 62.
- Pruning-tool and like shearing implement. J. E. Barrows. No. 1,066,456; July 1; Gaz. vol. 192; p. 191.
- Pull or handle. H. C. Shaw. No. 1,058,912; Apr. 15; Gaz. vol. 189; p. 606.
- Pull-rod clamp. D. D. Neville. No. 1,073,776; Sept. 23; Gaz. vol. 194; p. 819.
- Pull-socket. H. Hubbell. No. 1,053,174; Feb. 18; Gaz. vol. 187; p. 530.
- Pull-socket. H. Hubbell. No. 1,053,175; Feb. 18; Gaz. vol. 187; p. 531.
- Pull-socket. H. Hubbell. No. 1,053,176; Feb. 18; Gaz. vol. 187; p. 531.
- Pull-socket. H. Hubbell. No. 1,053,177; Feb. 18; Gaz. vol. 187; p. 531.
- Pull-socket. F. Barr. No. 1,064,425; June 10; Gaz. vol. 191; p. 466.
- Pull-socket. H. Hubbell. No. 1,064,831; June 17; Gaz. vol. 191; p. 637.
- Pull-socket. H. Hubbell. No. 1,064,832; June 17; Gaz. vol. 191; p. 637.
- Pull-socket. H. Hubbell. No. 1,064,834; June 17; Gaz. vol. 191; p. 638.
- Pull-socket-operating mechanism. H. Hubbell. No. 1,053,178; Feb. 18; Gaz. vol. 187; p. 532.
- Pull-socket-operating mechanism. H. Hubbell. No. 1,053,179; Feb. 18; Gaz. vol. 187; p. 532.
- Pull-socket switch. F. Barr. No. 1,079,740; Nov. 25; Gaz. vol. 196; p. 955.
- Pull-switch for wall-boxes. F. Barr. No. 1,064,422; June 10; Gaz. vol. 191; p. 465.
- Puller. See Cork-puller; Fuse-puller; Key-puller; Nail-puller; Pin-puller; Post-puller; Rod-puller; Spike-puller; Stone-puller; Stump-puller; Tack-puller; Weed-puller; Wire-puller.
- Puller. H. Harsey. No. 1,061,840; May 13; Gaz. vol. 190; p. 470.
- Pulling-jack, Combination. G. E. Timmins. No. 1,064,400; June 10; Gaz. vol. 191; p. 456.
- Pulling-over machine. R. E. Crain and F. J. Scharbag. No. 1,051,561; Jan. 28; Gaz. vol. 186; p. 868.
- Pulling-over machine. E. Bayard. No. 1,068,840; July 29; Gaz. vol. 192; p. 1149.
- Pulling-over machine. E. Bayard. No. 1,068,841; July 29; Gaz. vol. 192; p. 1150.
- Pulling-over machine. A. Bates. No. 1,069,218; Aug. 5; Gaz. vol. 193; p. 46.
- Pulling-over machine. R. F. McFeely. No. 1,077,938; Nov. 4; Gaz. vol. 196; p. 240.
- Pulling-over machine. A. Bates. No. 1,082,488; Dec. 30; Gaz. vol. 197; p. 1005.
- Pulley. C. Reger. No. 1,050,294; Jan. 14; Gaz. vol. 186; p. 364.
- Pulley. G. W. Robinson. No. 1,052,966; Feb. 11; Gaz. vol. 187; p. 416.
- Pulley. H. J. Gilbert. No. 1,062,703; May 27; Gaz. vol. 190; p. 842.
- Pulley. H. J. Gilbert. No. 1,062,825; May 27; Gaz. vol. 190; p. 882.
- Pulley. H. P. Reston. No. 1,076,605; Oct. 21; Gaz. vol. 195; p. 752.
- Pulley-block. J. E. Gilchrist. No. 1,063,528; June 3; Gaz. vol. 191; p. 120.
- Pulley-block. G. Frink. No. 1,078,190; Nov. 11; Gaz. vol. 196; p. 357.

Alphabetical list of inventions—Continued.

- Pulley, Expandible. F. J. and V. E. Vincent. No. 1,068,188; July 22; Gaz. vol. 192; p. 882.
- Pulley, Expandible. J. H. McGlynn. No. 1,074,188; Sept. 30; Gaz. vol. 194; p. 986.
- Pulley-fastener. W. D. Maynard. No. 1,064,663; June 10; Gaz. vol. 191; p. 544.
- Pulley, Friction-clutch. H. A. Holzer. No. 1,058,974; Apr. 15; Gaz. vol. 189; p. 626.
- Pulley, Lifting-. W. H. Pond. No. 1,055,223; Mar. 4; Gaz. vol. 188; p. 190.
- Pulley-line holder. W. R. Brennan. No. 1,055,128; Mar. 4; Gaz. vol. 188; p. 161.
- Pulley, Lubricating-. J. T. Hall. No. 1,082,193; Dec. 23; Gaz. vol. 197; p. 871.
- Pulley, Overhead sash-. C. Tuteur. No. 1,060,145; Apr. 29; Gaz. vol. 189; p. 1099.
- Pulley, Speed-governing. F. E. Parker. No. 1,078,161; Nov. 11; Gaz. vol. 196; p. 347.
- Pulley, Speed-regulating. F. W. Peterson. No. 1,050,289; Jan. 14; Gaz. vol. 186; p. 363.
- Pulleys, Apparatus for manufacturing rims for wooden belt-. H. Wottle. No. 1,062,135; May 20; Gaz. vol. 190; p. 612.
- Pulleys, Manufacture of wooden belt-. H. Wottle. No. 1,066,452; July 1; Gaz. vol. 192; p. 190.
- Pulleys, Oil-guard for. H. G. Tripp. No. 1,055,574; Mar. 11; Gaz. vol. 188; p. 344.
- Pulleys or belt-wheels. Supplemental rim for. F. P. Kobert. No. 1,062,831; May 27; Gaz. vol. 190; p. 884.
- Pulp articles, Apparatus for delivering and trimming. G. S. and I. J. Witham. No. 1,052,114; Feb. 4; Gaz. vol. 187; p. 94.
- Pulp-blocks, &c., Device for registering. J. M. Barienger. No. 1,054,814; Mar. 4; Gaz. vol. 188; p. 57.
- Pulp-board. G. J. Manson. No. 1,067,825; July 22; Gaz. vol. 192; p. 760.
- Pulp-classifier. I. F. Monell. No. 1,058,252; Apr. 8; Gaz. vol. 189; p. 338.
- Pulp digester, Wood-. J. C. W. Stanley. No. 1,061,767; May 13; Gaz. vol. 190; p. 448.
- Pulp-distributor. W. E. Darrow. No. 1,078,775; Nov. 18; Gaz. vol. 196; p. 593.
- Pulp-feeder. T. F. Harkins. No. 1,081,737; Dec. 16; Gaz. vol. 197; p. 687.
- Pulp from printed waste papers, Recovery of. J. M. Burby. No. 1,060,158; Apr. 29; Gaz. vol. 189; p. 1104.
- Pulp-lap-removing device. G. Schenck, Jr. No. 1,063,606; June 3; Gaz. vol. 191; p. 150.
- Pulp-mill apparatus. J. H. Wallace. No. 1,049,423; Jan. 7; Gaz. vol. 186; p. 36.
- Pulp-mills, Precipitating ulmic compounds from the black liquors of soda. N. A. Langlet. No. 1,062,016; May 20; Gaz. vol. 190; p. 571.
- Pulp, Production and treatment of mechanical wood-. A. N. Andersen. No. 1,068,092; July 22; Gaz. vol. 192; p. 849.
- Pulp, Production of mechanical wood-. G. C. Howard. No. 1,057,151; Mar. 25; Gaz. vol. 188; p. 948.
- Pulp-separator. S. Steele. No. 1,054,323; Feb. 25; Gaz. vol. 187; p. 959.
- Pulp sheet, Composite wood-. J. P. Lewis. No. 1,063,941; June 3; Gaz. vol. 191; p. 265.
- Pulp thickening and agitating apparatus. J. V. Dorr. No. 1,076,666; Oct. 28; Gaz. vol. 195; p. 826.
- Pulp, Treatment of wood-. B. T. Nase. No. 1,061,316; May 13; Gaz. vol. 190; p. 294.
- Pulp-wood grinder. G. S. Witham, Jr. No. 1,057,791; Apr. 1; Gaz. vol. 189; p. 135.
- Pulper-breast. E. Guerrero. No. 1,076,978; Oct. 23; Gaz. vol. 195; p. 937.
- Pulping apparatus. H. Strieth. No. 1,058,641; Apr. 8; Gaz. vol. 189; p. 470.
- Pulsometers and similar apparatus, Compressed-air distributing or regulating device for. J. Berning. No. 1,051,540; Jan. 28; Gaz. vol. 186; p. 860.
- Pulverizer. M. F. Williams. No. 1,055,686; Mar. 11; Gaz. vol. 188; p. 382.
- Pulverizer. H. Luckenbach. No. 1,058,313; Apr. 8; Gaz. vol. 189; p. 360.
- Pulverizer. O. Christianson. No. 1,070,014; Aug. 12; Gaz. vol. 193; p. 348.
- Pulverizer. A. Ketrung. No. 1,080,010; Dec. 2; Gaz. vol. 197; p. 32.
- Pulverizer. J. E. Blake. No. 1,080,532; Dec. 9; Gaz. vol. 197; p. 246.
- Pulverizer, Agricultural. D. T. Phillips. No. 1,075,493; Oct. 14; Gaz. vol. 195; p. 340.
- Pulverizer and leveler, Combined. T. V. Barnard. No. 1,050,774; Jan. 14; Gaz. vol. 186; p. 527.
- Pulverizer, Disk. T. W. Capen. No. 1,075,192; Oct. 7; Gaz. vol. 195; p. 208.
- Pulverizer, Disk. O. Christianson. No. 1,079,746; Nov. 25; Gaz. vol. 196; p. 958.
- Pulverizer for oil-engines. H. Lemp. No. 1,069,341; Aug. 5; Gaz. vol. 193; p. 89.
- Pulverizer, Land-. A. Pinet. No. 1,082,552; Dec. 30; Gaz. vol. 197; p. 1028.
- Pulverizer, Soil-. B. Webb. No. 1,056,864; Mar. 25; Gaz. vol. 188; p. 848.
- Pulverizer, Soil-. D. F. Lingle. No. 1,064,352; June 10; Gaz. vol. 191; p. 438.
- Pulverizers, Feeding mechanism for. M. F. Williams. No. 1,051,044; Jan. 21; Gaz. vol. 186; p. 660.
- Pulverizing and smoothing sand, Machine for. E. K. Van Curen. No. 1,059,688; Apr. 22; Gaz. vol. 189; p. 905.
- Pulverizing apparatus. E. G. Thomas. No. 1,054,881; Mar. 4; Gaz. vol. 188; p. 79.
- Pulverizing coal and other materials, Apparatus for. C. A. Bettington. No. 1,074,040; Sept. 23; Gaz. vol. 194; p. 908.
- Pulverizing machine, Sod-. F. A. Nugent. No. 1,062,660; May 27; Gaz. vol. 190; p. 829.
- Pulverizing-mill. W. C. Fox, J. P. Bem, and F. M. Sponogle. No. 1,075,707; Oct. 14; Gaz. vol. 195; p. 412.
- Pulverizing-mill. B. A. O'Neill. No. 1,081,860; Dec. 16; Gaz. vol. 197; p. 730.
- Pulverizing-mill, Ball-and-drum. C. McCormick. No. 1,057,649; Apr. 1; Gaz. vol. 189; p. 86.
- Pulverulent substances, Treating. E. Gobbe. No. 1,061,469; May 13; Gaz. vol. 190; p. 346.
- Pump. F. J. Zecher. No. 1,049,964; Jan. 7; Gaz. vol. 186; p. 218.
- Pump. C. W. Neilsen. No. 1,050,772; Jan. 14; Gaz. vol. 186; p. 527.
- Pump. G. C. Richards. No. 1,051,260; Jan. 21; Gaz. vol. 186; p. 731.
- Pump. T. J. Kin. No. 1,052,831; Feb. 11; Gaz. vol. 187; p. 370.
- Pump. J. Meklensek. No. 1,053,525; Feb. 18; Gaz. vol. 187; p. 652.
- Pump. W. S. Sutton. No. 1,053,677; Feb. 18; Gaz. vol. 187; p. 704.
- Pump. P. Christman. No. 1,054,174; Feb. 25; Gaz. vol. 187; p. 909.
- Pump. A. N. Cooper. No. 1,054,827; Mar. 4; Gaz. vol. 188; p. 61.
- Pump. H. J. and W. E. Pollacek. No. 1,056,709; Mar. 18; Gaz. vol. 188; p. 765.
- Pump. F. Johnson. No. 1,056,907; Mar. 25; Gaz. vol. 188; p. 863.
- Pump. C. M. Stevenson. No. 1,057,986; Apr. 1; Gaz. vol. 189; p. 201.
- Pump. J. J. McIntyre. No. 1,060,109; Apr. 29; Gaz. vol. 189; p. 1086.
- Pump. W. U. Griffiths. No. 1,060,594; May 6; Gaz. vol. 190; p. 10.
- Pump. R. B. Carter. No. 1,060,815; May 6; Gaz. vol. 190; p. 86.
- Pump. R. B. Carter. No. 1,060,816; May 6; Gaz. vol. 190; p. 86.
- Pump. F. H. Pierpont. No. 1,061,562; May 13; Gaz. vol. 190; p. 380.
- Pump. T. J. Johnson. No. 1,061,615; May 13; Gaz. vol. 190; p. 398.
- Pump. F. Tyson. No. 1,062,375; May 20; Gaz. vol. 190; p. 693.
- Pump. E. W. Marble and O. E. Dingley. No. 1,065,152; June 17; Gaz. vol. 191; p. 740.
- Pump. P. A. Myers. No. 1,065,709; June 24; Gaz. vol. 191; p. 967.
- Pump. R. Conrader. No. 1,066,798; July 8; Gaz. vol. 192; p. 342.
- Pump. R. Conrader. No. 1,067,312; July 15; Gaz. vol. 192; p. 552.
- Pump. R. Conrader. No. 1,067,313; July 15; Gaz. vol. 192; p. 553.
- Pump. R. Conrader. No. 1,067,314; July 15; Gaz. vol. 192; p. 554.
- Pump. R. Conrader. No. 1,067,315; July 15; Gaz. vol. 192; p. 554.
- Pump. R. Conrader. No. 1,067,316; July 15; Gaz. vol. 192; p. 554.
- Pump. K. M. Stewart. No. 1,067,690; July 15; Gaz. vol. 192; p. 681.
- Pump. W. L. Harrison. No. 1,067,811; July 22; Gaz. vol. 192; p. 755.
- Pump. A. A. Dubuque and P. H. Voigt. No. 1,068,487; July 29; Gaz. vol. 192; p. 1025.
- Pump. G. Dorffel. No. 1,068,865; July 29; Gaz. vol. 192; p. 1157.
- Pump. C. L. Page. No. 1,069,717; Aug. 12; Gaz. vol. 193; p. 246.
- Pump. R. K. Miner. No. 1,069,894; Aug. 12; Gaz. vol. 193; p. 308.
- Pump. T. A. De Vilbiss. No. 1,070,429; Aug. 19; Gaz. vol. 193; p. 532.
- Pump. C. D. Hill. No. 1,072,613; Sept. 9; Gaz. vol. 194; p. 351.
- Pump. W. A. Johnson. No. 1,075,574; Oct. 14; Gaz. vol. 195; p. 367.
- Pump. M. Lang. No. 1,075,658; Oct. 14; Gaz. vol. 195; p. 396.
- Pump. R. Sprado. No. 1,076,323; Oct. 21; Gaz. vol. 195; p. 652.
- Pump. H. Mead. No. 1,076,596; Oct. 21; Gaz. vol. 195; p. 748.
- Pump. F. M. Metcalf. No. 1,077,419; Nov. 4; Gaz. vol. 196; p. 64.
- Pump. J. M. Stratton. No. 1,078,320; Nov. 11; Gaz. vol. 196; p. 403.

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- Pump, J. E. Warner. No. 1,079,308; Nov. 18; Gaz. vol. 196; p. 774.
- Pump, F. A. Garvey. No. 1,079,699; Nov. 25; Gaz. vol. 196; p. 940.
- Pump, W. Coyne. No. 1,081,020; Dec. 9; Gaz. vol. 197; p. 412.
- Pump, Acid-, H. Howard. No. 1,051,410; Jan. 28; Gaz. vol. 186; p. 816.
- Pump, Air-, H. A. Fleuss. No. 1,050,767; Jan. 14; Gaz. vol. 186; p. 326.
- Pump, Air-, G. P. Wisdom. No. 1,051,360; Jan. 21; Gaz. vol. 186; p. 764.
- Pump, Air-, C. J. Pilling. No. 1,054,866; Mar. 4; Gaz. vol. 188; p. 74.
- Pump, Air-, F. H. Walker. No. 1,055,004; Mar. 4; Gaz. vol. 188; p. 119.
- Pump, Air-, B. O. Gage. No. 1,058,172; Apr. 8; Gaz. vol. 189; p. 311.
- Pump, Air-, C. M. Scott. No. 1,059,222; Apr. 15; Gaz. vol. 189; p. 711.
- Pump, Air-, J. H. Champ. No. 1,068,218; July 22; Gaz. vol. 192; p. 893.
- Pump, Air-, C. P. Clarke. No. 1,070,585; Aug. 19; Gaz. vol. 193; p. 587.
- Pump, Air-, J. E. Laforce. No. 1,071,929; Sept. 2; Gaz. vol. 194; p. 90.
- Pump, Air-, F. K. Hohenstien and C. G. Meyers. No. 1,074,051; Sept. 23; Gaz. vol. 194; p. 911.
- Pump, Air-, F. E. Ten Eyck. No. 1,075,674; Oct. 14; Gaz. vol. 195; p. 401.
- Pump, Air-, L. B. Sherwood. No. 1,076,610; Oct. 21; Gaz. vol. 195; p. 753.
- Pump, Air-lift-, T. Peters. No. 1,077,997; Nov. 11; Gaz. vol. 196; p. 291.
- Pump, Air-lift filtering-, C. E. Biel. No. 1,050,604; Jan. 14; Gaz. vol. 186; p. 474.
- Pump, Air-pressure-, E. A. Raves. No. 1,072,496; Sept. 9; Gaz. vol. 194; p. 310.
- Pump, Air-suction and force-, F. O. De Hymel. No. 1,074,608; Oct. 7; Gaz. vol. 195; p. 7.
- Pump and engine, Combination-, W. B. McLane. No. 1,081,687; Dec. 16; Gaz. vol. 197; p. 670.
- Pump and motor-, H. S. Hele-Shaw and F. L. Martineau. No. 1,077,979; Nov. 11; Gaz. vol. 196; p. 285.
- Pump and motor, Rotary-, O. E. Schrock. No. 1,053,321; Feb. 18; Gaz. vol. 187; p. 582.
- Pump and motor, Rotary-, J. M. Wilson. No. 1,079,384; Nov. 25; Gaz. vol. 196; p. 831.
- Pump and prime mover-, C. F. Nordmark. No. 1,061,107; May 6; Gaz. vol. 190; p. 188.
- Pump and ram, Combined-, O. P. Rohr. No. 1,057,778; Apr. 1; Gaz. vol. 189; p. 130.
- Pump and tank, Spray-, W. J. Clarke. No. 1,069,767; Aug. 12; Gaz. vol. 193; p. 264.
- Pump and windmill connection-, J. S. Slover. No. 1,067,848; July 22; Gaz. vol. 192; p. 767.
- Pump, Asphalt-, W. P. Tarrant. No. 1,054,722; Mar. 4; Gaz. vol. 188; p. 23.
- Pump attachment-, J. F. Haennig. No. 1,069,003; July 29; Gaz. vol. 192; p. 1203.
- Pump, Automatic-, W. A. Harris. No. 1,053,032; Feb. 11; Gaz. vol. 187; p. 437.
- Pump, Automatic-, W. C. Clark. No. 1,077,597; Nov. 4; Gaz. vol. 196; p. 123.
- Pump, Automatic-, G. J. Spohrer. No. 1,081,784; Dec. 16; Gaz. vol. 197; p. 704.
- Pump, Automatic-balance double-suction-, A. C. Paulsmeier. No. 1,068,072; July 22; Gaz. vol. 192; p. 843.
- Pump automatic cut-off, Power-, A. A. Bowser. No. 1,049,332; Jan. 7; Gaz. vol. 186; p. 5.
- Pump, Automatic vacuum-, W. H. Drummond. No. 1,069,772; Aug. 12; Gaz. vol. 193; p. 265.
- Pump, Automatically-controlled-, P. F. Goehring. No. 1,068,122; July 22; Gaz. vol. 192; p. 858.
- Pump, Automobile-, R. A. Goeth, R. B. Rodgers, and J. A. Dittmar. No. 1,054,762; Mar. 4; Gaz. vol. 188; p. 37.
- Pump, Automobile tire-, A. Jabusch. No. 1,069,015; July 29; Gaz. vol. 192; p. 1208.
- Pump, Automobile tire-, E. S. Ryone. No. 1,071,628; Aug. 26; Gaz. vol. 193; p. 966.
- Pump-barrel-testing means-, D. Daniels and L. P. Burgess. No. 1,059,598; Apr. 22; Gaz. vol. 189; p. 875.
- Pump, Bicycle-, E. B. Wright. No. 1,056,617; Mar. 18; Gaz. vol. 188; p. 733.
- Pump, Bicycle-, E. N. Garrison. No. 1,058,961; Apr. 15; Gaz. vol. 189; p. 622.
- Pump, blower, and the like, Centrifugal-, W. P. Scheurmann. No. 1,050,698; Jan. 14; Gaz. vol. 186; p. 502.
- Pump, Can-filling-, A. A. Bowser. No. 1,052,033; Feb. 4; Gaz. vol. 187; p. 66.
- Pump, Cattle-, O. R. Nickerson. No. 1,069,162; Aug. 5; Gaz. vol. 193; p. 25.
- Pump, Centrifugal-, W. Scheurmann. No. 1,049,407; Jan. 7; Gaz. vol. 186; p. 31.
- Pump, Centrifugal-, R. H. Dixon. No. 1,050,523; Jan. 14; Gaz. vol. 186; p. 446.
- Pump, Centrifugal-, J. A. Yeatman. No. 1,050,588; Jan. 14; Gaz. vol. 186; p. 468.
- Pump, Centrifugal-, F. J. Petermöller. No. 1,060,937; May 6; Gaz. vol. 190; p. 130.
- Pump, Centrifugal-, A. Siegel and F. Goldstein. No. 1,063,611; June 3; Gaz. vol. 191; p. 152.
- Pump, Centrifugal-, J. Schneible. No. 1,065,732; June 24; Gaz. vol. 191; p. 975.
- Pump, Centrifugal-, R. Bowen. No. 1,067,399; July 15; Gaz. vol. 192; p. 582.
- Pump, Centrifugal-, G. W. Price. No. 1,072,650; Sept. 9; Gaz. vol. 194; p. 363.
- Pump, Centrifugal-, B. Hunt. No. 1,074,794; Oct. 7; Gaz. vol. 195; p. 71.
- Pump, Centrifugal-, A. Gentil. No. 1,077,520; Nov. 4; Gaz. vol. 196; p. 99.
- Pump, Centrifugal-, D. M. Hey. No. 1,079,294; Nov. 18; Gaz. vol. 196; p. 768.
- Pump, Centrifugal-, W. K. Richardson. No. 1,080,655; Dec. 9; Gaz. vol. 197; p. 287.
- Pump, Centrifugal-, W. K. Richardson. No. 1,080,656; Dec. 9; Gaz. vol. 197; p. 287.
- Pump, Centrifugal-, D. L. Dodge and T. F. Armstrong. No. 1,081,725; Dec. 16; Gaz. vol. 197; p. 683.
- Pump, Centrifugal air-, F. J. Petermöller. No. 1,060,935; May 6; Gaz. vol. 190; p. 128.
- Pump, Centrifugal force-, J. Schneible. No. 1,065,731; June 24; Gaz. vol. 191; p. 974.
- Pump, Centrifugal or turbine-, T. W. N. Hilliard. No. 1,059,994; Apr. 29; Gaz. vol. 189; p. 1049.
- Pump, Centrifugal throwing air-, F. J. Petermöller. No. 1,060,936; May 6; Gaz. vol. 190; p. 129.
- Pump, Combined pneumatic lift and force-, F. O. De Hymel. No. 1,060,826; May 6; Gaz. vol. 190; p. 90.
- Pump, Compound steam-, R. C. Augur. No. 1,061,969; May 20; Gaz. vol. 190; p. 555.
- Pump, Condenser air-, R. D. Tomlinson. No. 1,058,646; Apr. 8; Gaz. vol. 189; p. 472.
- Pump, Deep-well-, W. L. Forward. No. 1,060,244; Apr. 29; Gaz. vol. 189; p. 1133.
- Pump, Deep-well-, W. S. Cunningham. No. 1,065,225; June 17; Gaz. vol. 191; p. 764.
- Pump, Deep-well liner-, E. A. Hardison, R. W. Gunn, and W. A. S. Thompson. No. 1,064,071; June 10; Gaz. vol. 191; p. 343.
- Pump device-, J. H. Kinealy. No. 1,063,552; June 3; Gaz. vol. 191; p. 129.
- Pump device-, J. H. Kinealy. No. 1,063,553; June 3; Gaz. vol. 191; p. 129.
- Pump differential-pressure governor-, W. V. Turner. No. 1,060,650; May 6; Gaz. vol. 190; p. 29.
- Pump, Double-acting deep-well-, W. B. Erb. No. 1,063,669; June 3; Gaz. vol. 191; p. 174.
- Pump drain-valve-, E. Tuell. No. 1,057,100; Mar. 25; Gaz. vol. 188; p. 931.
- Pump, Explosion-, J. R. McConnell. No. 1,054,302; Feb. 25; Gaz. vol. 187; p. 951.
- Pump for cleaners-, W. G. Betz. No. 1,053,698; Feb. 18; Gaz. vol. 187; p. 711.
- Pump for elastic fluids-, K. Steinbecker. No. 1,076,462; Oct. 21; Gaz. vol. 195; p. 700.
- Pump for inflating automobile-tires, Air-, J. Desmond. No. 1,051,090; Jan. 21; Gaz. vol. 186; p. 675.
- Pump for internal-combustion engines, Fuel-, H. R. Setz. No. 1,076,915; Oct. 28; Gaz. vol. 195; p. 914.
- Pump for internal-combustion engines, Fuel-, K. J. E. Hesselman. No. 1,078,438; Nov. 11; Gaz. vol. 196; p. 445.
- Pump for liquid-gears-, H. Lentz. No. 1,054,574; Feb. 25; Gaz. vol. 187; p. 1046.
- Pump for liquids, Pneumatic-operated-, H. W. Coplestone. No. 1,073,474; Sept. 16; Gaz. vol. 194; p. 693.
- Pump for lubricating systems-, E. Woerner. No. 1,078,889; Nov. 18; Gaz. vol. 196; p. 631.
- Pump for lubricating systems-, E. Woerner. No. 1,078,890; Nov. 18; Gaz. vol. 196; p. 631.
- Pump for spraying devices-, L. M. Campau. No. 1,071,876; Sept. 2; Gaz. vol. 194; p. 71.
- Pump for supplying fuel to internal-combustion engines-, H. Lemp. No. 1,076,502; Oct. 21; Gaz. vol. 195; p. 714.
- Pump for vacuum-cleaners-, I. Barker. No. 1,078,329; Nov. 11; Gaz. vol. 196; p. 406.
- Pump, Force-, W. J. Williams and J. C. Bowman. No. 1,069,750; Aug. 12; Gaz. vol. 193; p. 258.
- Pump, Gas-, C. A. Anderson. No. 1,075,183; Oct. 7; Gaz. vol. 195; p. 205.
- Pump-governor-, R. B. McGowan. No. 1,077,090; Oct. 28; Gaz. vol. 195; p. 974.
- Pump-governor, Double-pressure-, W. V. Turner. No. 1,074,224; Sept. 30; Gaz. vol. 194; p. 998.
- Pump-governor, Electric-, W. V. Turner. No. 1,067,562; July 15; Gaz. vol. 192; p. 637.
- Pump-governor, Electric-, W. V. Turner. No. 1,071,830; Sept. 2; Gaz. vol. 194; p. 56.
- Pump governors, Piston for oil-, C. W. Shinton. No. 1,073,822; Sept. 23; Gaz. vol. 194; p. 834.
- Pump-head-, F. M. Middendorf. No. 1,064,359; June 10; Gaz. vol. 191; p. 440.
- Pump-holder-, W. L. Deming. No. 1,076,488; Oct. 21; Gaz. vol. 195; p. 710.
- Pump, Hydraulic-, L. A. Laursen. No. 1,054,573; Feb. 25; Gaz. vol. 187; p. 1045.
- Pump-jack cross-head-, H. G. McCulloch. No. 1,057,441; Apr. 1; Gaz. vol. 189; p. 16.

Alphabetical list of inventions—Continued.

- Pump, Jet-. J. Schneible. No. 1,065,730; June 24; Gaz. vol. 191; p. 974.
- Pump, Liquid-dispensing. R. Mueller. No. 1,072,636; Sept. 9; Gaz. vol. 194; p. 358.
- Pump, Lubricating-. J. N. Hochgesand. No. 1,051,888; Feb. 4; Gaz. vol. 187; p. 14.
- Pump, Lubricator-. W. L. Kenfield. No. 1,069,145; Aug. 5; Gaz. vol. 193; p. 19.
- Pump, Measuring-. L. D. Freeland. No. 1,061,062; May 6; Gaz. vol. 190; p. 174.
- Pump, Measuring-. H. M. and A. A. Bowser. No. 1,068,561; July 29; Gaz. vol. 192; p. 1048.
- Pump, Measuring-. E. R. Deming. No. 1,081,817; Dec. 16; Gaz. vol. 197; p. 716.
- Pump, Mine-. L. Chadwick. No. 1,078,126; Nov. 11; Gaz. vol. 196; p. 335.
- Pump, motor, and like apparatus, Hydraulic. R. F. Carey. No. 1,081,810; Dec. 16; Gaz. vol. 197; p. 713.
- Pump, Multiple. T. E. Cherry. No. 1,052,569; Feb. 11; Gaz. vol. 187; p. 279.
- Pump, Multistage parallel-flow. P. W. Fuller. No. 1,071,042; Aug. 26; Gaz. vol. 193; p. 770.
- Pump of variable flow, Rotary. M. Bertrand and C. Mendizabal. No. 1,051,306; Jan. 21; Gaz. vol. 186; p. 748.
- Pump-operating mechanism. H. W. Lupton. No. 1,060,774; May 6; Gaz. vol. 190; p. 72.
- Pump-operating mechanism. P. C. Nowatske. No. 1,077,290; Nov. 4; Gaz. vol. 196; p. 16.
- Pump or motor cylinder and making the same. C. M. Manly. No. 1,075,486; Oct. 14; Gaz. vol. 195; p. 337.
- Pump, Pneumatic. G. S. Lane. No. 1,067,613; July 15; Gaz. vol. 192; p. 654.
- Pump, Pneumatic. W. H. Aunkst. No. 1,072,806; Sept. 9; Gaz. vol. 194; p. 418.
- Pump, Pneumatically-operated. E. N. and F. J. Ward. No. 1,072,886; Sept. 9; Gaz. vol. 194; p. 448.
- Pump pressure-governor. W. V. Turner. No. 1,071,829; Sept. 2; Gaz. vol. 194; p. 55.
- Pump, Pressure-operated deep-well. P. G. Kaiser. No. 1,074,797; Oct. 7; Gaz. vol. 195; p. 72.
- Pump-priming mechanism. C. S. Lewis. No. 1,080,917; Dec. 9; Gaz. vol. 197; p. 380.
- Pump-protector. J. J. Deuel. No. 1,077,685; Nov. 4; Gaz. vol. 196; p. 153.
- Pump-regulating mechanism. J. Klopfenstein. No. 1,067,662; July 15; Gaz. vol. 192; p. 672.
- Pump, Reversible spiral. T. O'Connor. No. 1,056,441; Mar. 18; Gaz. vol. 188; p. 672.
- Pump-rod coupling. C. L. Parker. No. 1,059,560; Apr. 22; Gaz. vol. 189; p. 864.
- Pump-rod coupling. T. S. Kemp. No. 1,067,819; July 22; Gaz. vol. 192; p. 758.
- Pump-rod coupling. J. B. Massey. No. 1,067,998; July 22; Gaz. vol. 192; p. 817.
- Pump-rod for oil-well sanding. J. F. Durham. No. 1,051,092; Jan. 21; Gaz. vol. 186; p. 676.
- Pump-rods or the like, Device for elevating. J. M. Regan and A. Plante. No. 1,060,210; Apr. 29; Gaz. vol. 189; p. 1121.
- Pump, Rotary. J. Noll. No. 1,049,387; Jan. 7; Gaz. vol. 186; p. 23.
- Pump, Rotary. E. H. Perkins. No. 1,049,761; Jan. 7; Gaz. vol. 186; p. 150.
- Pump, Rotary. A. J. Rust. No. 1,050,300; Jan. 14; Gaz. vol. 186; p. 367.
- Pump, Rotary. A. N. Baade. No. 1,050,905; Jan. 21; Gaz. vol. 186; p. 611.
- Pump, Rotary. J. Lang. No. 1,052,930; Feb. 11; Gaz. vol. 187; p. 404.
- Pump, Rotary. J. R. Kinney. No. 1,054,210; Feb. 25; Gaz. vol. 187; p. 922.
- Pump, Rotary. T. Hye. No. 1,061,544; May 13; Gaz. vol. 190; p. 374.
- Pump, Rotary. W. A. Simond. No. 1,062,803; May 27; Gaz. vol. 190; p. 875.
- Pump, Rotary. W. A. Hatcher. No. 1,065,244; June 17; Gaz. vol. 191; p. 771.
- Pump, Rotary. H. T. Herring. No. 1,066,815; July 8; Gaz. vol. 192; p. 347.
- Pump, Rotary. W. E. Pearson. No. 1,072,155; Sept. 2; Gaz. vol. 194; p. 167.
- Pump, Rotary. I. B. Humphreys. No. 1,073,048; Sept. 9; Gaz. vol. 194; p. 506.
- Pump, Rotary. I. J. Johnson. No. 1,074,326; Sept. 30; Gaz. vol. 194; p. 1031.
- Pump, Rotary. B. F. Cathcart. No. 1,076,627; Oct. 21; Gaz. vol. 195; p. 760.
- Pump, Rotary. P. Slesazeck. No. 1,076,711; Oct. 28; Gaz. vol. 195; p. 842.
- Pump, Rotary. J. R. Kinney. No. 1,079,560; Nov. 25; Gaz. vol. 196; p. 892.
- Pump, Rotary. J. R. Kinney. No. 1,079,561; Nov. 25; Gaz. vol. 196; p. 893.
- Pump, Rotary. J. R. Kinney. No. 1,079,562; Nov. 25; Gaz. vol. 196; p. 893.
- Pump, Rotary. A. F. Ford. No. 1,080,431; Dec. 2; Gaz. vol. 197; p. 181.
- Pump, Rotary. R. M. Blackmer. No. 1,080,676; Dec. 9; Gaz. vol. 197; p. 294.
- Pump, Rotary air-. J. Petermüller. No. 1,050,688; Jan. 14; Gaz. vol. 186; p. 498.
- Pump, Rotary pressure or vacuum. G. I. Leonard. No. 1,068,251; July 22; Gaz. vol. 192; p. 905.
- Pump, Sand-. A. V. Steele. No. 1,059,085; Apr. 15; Gaz. vol. 189; p. 665.
- Pump, Screw-. E. S. Bennett. No. 1,049,651; Jan. 7; Gaz. vol. 186; p. 115.
- Pump, Steam-. L. K. Stevens. No. 1,058,804; Apr. 15; Gaz. vol. 189; p. 565.
- Pump, Steam-. R. C. Augur. No. 1,061,970; May 20; Gaz. vol. 190; p. 556.
- Pump, Steam vacuum-. G. E. Lovejoy and J. G. Robinson. No. 1,063,269; June 3; Gaz. vol. 191; p. 34.
- Pump suction-pipes, Valve mechanism for. T. Elliott. No. 1,067,903; July 22; Gaz. vol. 192; p. 786.
- Pump, Tire-. T. K. Begg and A. H. Moore. No. 1,067,794; July 22; Gaz. vol. 192; p. 749.
- Pump, turbine, and compressor, Centrifugal. E. S. G. Rees. No. 1,068,365; July 22; Gaz. vol. 192; p. 945.
- Pump, Two-stage compression-. G. J. Spohrer. No. 1,067,770; July 15; Gaz. vol. 192; p. 707.
- Pump-unloading device. E. H. Dewson. No. 1,060,588; May 6; Gaz. vol. 190; p. 8.
- Pump, Vacuum-. W. A. Hearn. No. 1,057,959; Apr. 1; Gaz. vol. 189; p. 192.
- Pump, Vacuum-. J. Zeitlin. No. 1,069,510; Aug. 5; Gaz. vol. 193; p. 147.
- Pump, Vacuum-cleaner. H. H. Harrold. No. 1,067,812; July 22; Gaz. vol. 192; p. 755.
- Pump, Vacuum-cleaner. C. C. Williams. No. 1,072,547; Sept. 9; Gaz. vol. 194; p. 329.
- Pump-valve. G. Van Vechten. No. 1,052,294; Feb. 4; Gaz. vol. 187; p. 155.
- Pump-valve. J. R. Butler. No. 1,060,160; Apr. 29; Gaz. vol. 189; p. 1104.
- Pump-valve. F. H. Elwell. No. 1,082,508; Dec. 30; Gaz. vol. 197; p. 1012.
- Pump-valve-actuating mechanism. H. Dock. No. 1,050,817; Jan. 21; Gaz. vol. 186; p. 578.
- Pump-valve and valve-deck. A. F. Nagle. No. 1,082,646; Dec. 30; Gaz. vol. 197; p. 1061.
- Pump valve, Pulp-. T. McQuat. No. 1,061,768; May 13; Gaz. vol. 190; p. 449.
- Pump valve, Well-. T. B. Wilkinson. No. 1,067,496; July 15; Gaz. vol. 192; p. 616.
- Pump-vent, Automatic. J. F. Haennig. No. 1,053,382; Feb. 18; Gaz. vol. 187; p. 602.
- Pump, Well-. R. H. Knipping. No. 1,073,143; Sept. 16; Gaz. vol. 194; p. 575.
- Pump working barrel. J. F. Kilburn. No. 1,078,444; Nov. 11; Gaz. vol. 196; p. 447.
- Pumps, Air charging and priming device for suction-. J. Astrom. No. 1,074,098; Sept. 30; Gaz. vol. 194; p. 957.
- Pumps, Automatic cut-off for measuring-. A. A. Bowser. No. 1,052,034; Feb. 4; Gaz. vol. 187; p. 66.
- Pumps, Bearing system for rotary well-. J. A. Wintroath. No. 1,079,682; Nov. 25; Gaz. vol. 196; p. 934.
- Pumps, Device for preventing the freezing of water in. J. Reitz. No. 1,066,150; July 1; Gaz. vol. 192; p. 86.
- Pumps, Driving mechanism for triplex. S. W. Luitwieler. No. 1,070,706; Aug. 19; Gaz. vol. 193; p. 626.
- Pumps, Means for regulating the stroke of. E. A. Rundlöf. No. 1,055,086; Mar. 4; Gaz. vol. 188; p. 148.
- Pumps, Operation of centrifugal. E. Brown. No. 1,066,581; July 8; Gaz. vol. 192; p. 266.
- Pumps, Power-head for deep-well. R. F. Muller. No. 1,051,347; Jan. 21; Gaz. vol. 186; p. 760.
- Pumps, Safety-clutch for power-driven. W. H. Heard. No. 1,064,322; June 10; Gaz. vol. 191; p. 429.
- Pumps, Shaft for rotary. J. E. Shaw. No. 1,058,108; Apr. 8; Gaz. vol. 189; p. 289.
- Pumps, Standing-valve construction for well-. A. Hunter. No. 1,049,719; Jan. 7; Gaz. vol. 186; p. 137.
- Pumps, Stuffing-box for centrifugal. A. E. Guy. No. 1,055,166; Mar. 4; Gaz. vol. 188; p. 172.
- Pumping air or other fluid, Device for. G. W. Nyquist. No. 1,078,870; Nov. 18; Gaz. vol. 196; p. 625.
- Pumping apparatus. C. Bresnahan. No. 1,050,916; Jan. 21; Gaz. vol. 186; p. 615.
- Pumping apparatus. R. Conrader. No. 1,055,139; Mar. 4; Gaz. vol. 188; p. 164.
- Pumping apparatus. S. W. Titus. No. 1,069,353; Aug. 5; Gaz. vol. 193; p. 92.
- Pumping apparatus. C. R. Hudson. No. 1,077,474; Nov. 4; Gaz. vol. 196; p. 83.
- Pumping apparatus. P. A. Little. No. 1,079,779; Nov. 25; Gaz. vol. 196; p. 971.
- Pumping apparatus. L. Willis. No. 1,081,181; Dec. 9; Gaz. vol. 197; p. 464.
- Pumping-apparatus attachment. H. L. and M. N. Biggs. No. 1,056,000; Mar. 18; Gaz. vol. 188; p. 523.
- Pumping apparatus, Liquid-. T. M. Chance. No. 1,079,898; Nov. 25; Gaz. vol. 196; p. 1011.
- Pumping apparatus, Player-. A. Anderson. No. 1,082,254; Dec. 23; Gaz. vol. 197; p. 894.
- Pumping apparatus, Pneumatic. A. E. Chodzko. No. 1,071,878; Sept. 2; Gaz. vol. 194; p. 72.

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- Pumping attachment. J. B. York. No. 1,075,956; Oct. 14; Gaz. vol. 195; p. 497.
- Pumping attachment, Automobile. O. M. Bergstrom. No. 1,058,141; Apr. 8; Gaz. vol. 189; p. 301.
- Pumping condensed-steam water to elevated feed-heaters. W. Weir. No. 1,065,194; June 17; Gaz. vol. 191; p. 753.
- Pumping device. J. Davidson. No. 1,075,406; Oct. 14; Gaz. vol. 195; p. 310.
- Pumping-head. S. M. Fulton. No. 1,050,443; Jan. 14; Gaz. vol. 186; p. 417.
- Pumping-machine, Spring. E. G. Hays and S. B. Russell. No. 1,060,454; Apr. 29; Gaz. vol. 189; p. 1208.
- Pumping mechanism and operating means therefor. J. A. Luethy. No. 1,059,943; Apr. 22; Gaz. vol. 189; p. 988.
- Pumping mechanism, Centrifugal. J. N. Lewis. No. 1,053,615; Feb. 18; Gaz. vol. 187; p. 683.
- Pumping mechanism for vacuum-cleaners. V. Winquist. No. 1,055,250; Mar. 4; Gaz. vol. 188; p. 198.
- Pumping mechanism, Vacuum-cleaner. K. B. Hutchison. No. 1,067,029; July 8; Gaz. vol. 192; p. 418.
- Pumping mechanism, Vacuum-cleaner. R. B. Hutchison. No. 1,067,030; July 8; Gaz. vol. 192; p. 418.
- Pumping mechanism, Vacuum-cleaner. R. B. Hutchison. No. 1,067,118; July 8; Gaz. vol. 192; p. 449.
- Pumping system. W. L. Merrill. No. 1,049,894; Jan. 7; Gaz. vol. 186; p. 195.
- Pumping system, Self-controlled. A. C. Durdin, Jr. No. 1,056,752; Mar. 18; Gaz. vol. 188; p. 781.
- Punch. W. J. O'Neal. No. 1,082,209; Dec. 23; Gaz. vol. 197; p. 876.
- Punch. J. L. Cuba. No. 1,083,194; Dec. 30; Gaz. vol. 197; p. 1243.
- Punch and die, Multiple. S. D. Hartog. No. 1,070,887; Aug. 19; Gaz. vol. 193; p. 685.
- Punch and setting-machine, Combined. E. B. Stimpson. No. 1,079,376; Nov. 25; Gaz. vol. 196; p. 829.
- Punch, Can-. W. B. Keith. No. 1,082,426; Dec. 23; Gaz. vol. 197; p. 952.
- Punch, Centering-. O. Christenson. No. 1,078,770; Nov. 18; Gaz. vol. 196; p. 591.
- Punch for limiting transfer privileges. H. H. Hummel. No. 1,056,546; Mar. 18; Gaz. vol. 188; p. 710.
- Punch-gags, Means for operating. W. T. Sears. No. 1,074,900; Oct. 7; Gaz. vol. 195; p. 106.
- Punch, Hand metal-. W. A. Whitney. No. 1,065,752; June 24; Gaz. vol. 191; p. 982.
- Punch or perforator, Paper. H. Cousins and J. W. Botsford. No. 1,049,676; Jan. 7; Gaz. vol. 186; p. 122.
- Punch-press. C. A. Carlson. No. 1,077,668; Nov. 4; Gaz. vol. 196; p. 147.
- Punch-presses and similar devices, Guard for. K. Thulander. No. 1,060,720; May 6; Gaz. vol. 190; p. 54.
- Punch, Ticket-. A. Lewis. No. 1,068,510; July 29; Gaz. vol. 192; p. 1033.
- Punches and dies, Making. S. D. Hartog. No. 1,070,889; Aug. 19; Gaz. vol. 193; p. 685.
- Punching and shearing machine. L. D. Jannell. No. 1,068,344; July 22; Gaz. vol. 192; p. 938.
- Punching-bag support. A. E. Walter. No. 1,050,501; Jan. 14; Gaz. vol. 186; p. 439.
- Punching-die. E. E. Roberts. No. 1,081,517; Dec. 16; Gaz. vol. 197; p. 617.
- Punching-machine. A. A. Arnold. No. 1,052,431; Feb. 4; Gaz. vol. 187; p. 201.
- Punching-machine. E. B. Stimpson. No. 1,052,527; Feb. 11; Gaz. vol. 187; p. 266.
- Punching-machine. E. J. Birkett. No. 1,056,396; Mar. 18; Gaz. vol. 188; p. 654.
- Punching-machine-feeding device, Metal-. L. Neumann. No. 1,053,209; Feb. 18; Gaz. vol. 187; p. 543.
- Punching machinery. G. P. Thomas. No. 1,064,397; June 10; Gaz. vol. 191; p. 455.
- Punching-press, Gang. O. Smith. No. 1,062,995; May 27; Gaz. vol. 190; p. 939.
- Punching, riveting, shearing, and other machines, Spacing device for. J. K. Graham and G. A. Rasmussen. No. 1,081,826; Dec. 16; Gaz. vol. 197; p. 719.
- Punching-tool. A. Kirk. No. 1,077,722; Nov. 4; Gaz. vol. 196; p. 164.
- Puncture-closing compound. W. J. Watkins. No. 1,062,426; May 20; Gaz. vol. 190; p. 709.
- Puncture-closing device. C. G. Hornung. No. 1,057,241; Mar. 25; Gaz. vol. 188; p. 979.
- Puncture-repair plug. C. R. Terrell. No. 1,071,595; Aug. 26; Gaz. vol. 193; p. 955.
- Purifying and sterilizing liquid, Method of. G. W. Swinburne. No. 1,079,377; Nov. 25; Gaz. vol. 196; p. 829.
- Purifying sewage and the like, Apparatus for. P. Bunzel. No. 1,079,391; Nov. 25; Gaz. vol. 196; p. 834.
- Purse and bag fastener. T. Tighe. No. 1,074,910; Oct. 7; Gaz. vol. 195; p. 110.
- Push-button. J. D. Baldwin and J. J. Schlegelmilch. No. 1,070,387; Aug. 19; Gaz. vol. 193; p. 518.
- Push-button, Regulated-contact. B. Urquhart. No. 1,059,013; Apr. 15; Gaz. vol. 189; p. 641.
- Push-button switch. H. Wischhusen and A. Hepke. No. 1,061,578; May 13; Gaz. vol. 190; p. 386.
- Push-button switch. C. A. Clark. No. 1,063,854; June 3; Gaz. vol. 191; p. 234.
- Push-button switch. J. H. Smedley. No. 1,079,271; Nov. 18; Gaz. vol. 196; p. 761.
- Push-button system. W. Baxter, Jr. No. 1,072,074; Sept. 2; Gaz. vol. 194; p. 138.
- Push-pin. I. Falk. No. 1,066,095; July 1; Gaz. vol. 192; p. 67.
- Putlog. T. H. Kingston. No. 1,077,839; Nov. 4; Gaz. vol. 196; p. 204.
- Putty, Bituminous. W. A. Levering. No. 1,082,640; Dec. 30; Gaz. vol. 197; p. 1060.
- Putty-dispensing device. M. I. Jacobs. No. 1,078,440; Nov. 11; Gaz. vol. 196; p. 446.
- Puzzle. H. C. Davidson. No. 1,049,681; Jan. 7; Gaz. vol. 186; p. 124.
- Puzzle. S. S. Joy. No. 1,050,141; Jan. 14; Gaz. vol. 186; p. 313.
- Puzzle. E. Kellison. No. 1,054,779; Mar. 4; Gaz. vol. 188; p. 44.
- Puzzle. D. Farnum. No. 1,061,903; May 13; Gaz. vol. 190; p. 490.
- Puzzle. L. S. Burbank. No. 1,062,953; May 27; Gaz. vol. 190; p. 926.
- Puzzle. J. A. Dippold. No. 1,071,401; Aug. 26; Gaz. vol. 193; p. 892.
- Puzzle. L. S. Burbank. No. 1,071,874; Sept. 2; Gaz. vol. 194; p. 71.
- Puzzle. H. G. Randall. No. 1,074,816; Oct. 7; Gaz. vol. 195; p. 78.
- Puzzle. A. J. B. Clement. No. 1,080,955; Dec. 9; Gaz. vol. 197; p. 392.
- Puzzle. W. M. Bushfield. No. 1,082,460; Dec. 23; Gaz. vol. 197; p. 962.
- Puzzle-box. C. T. Sand. No. 1,054,716; Mar. 4; Gaz. vol. 188; p. 21.
- Puzzle or game. A. M. Partridge. No. 1,060,488; Apr. 29; Gaz. vol. 189; p. 1220.
- Puzzle or game apparatus. A. E. Derbyshire. No. 1,070,330; Aug. 12; Gaz. vol. 193; p. 456.
- Puzzle or toy. E. J. Schowalter. No. 1,074,533; Sept. 30; Gaz. vol. 194; p. 1098.
- Pyrazolone derivative. F. Stolz. No. 1,053,240; Feb. 18; Gaz. vol. 187; p. 553.
- Pyrographic device. M. B. Baer and E. H. E. Malmquist. No. 1,053,265; Feb. 18; Gaz. vol. 187; p. 562.
- Pyrometer. F. J. Nice. No. 1,054,442; Feb. 25; Gaz. vol. 187; p. 1001.
- Pyrometer. J. Churchward. No. 1,069,318; Aug. 5; Gaz. vol. 193; p. 80.
- Pyrometer, Air-. M. Arndt. No. 1,065,651; June 24; Gaz. vol. 191; p. 948.
- Pyrophorous lighter. O. Schlick. No. 1,057,585; Apr. 1; Gaz. vol. 189; p. 64.
- Quartz bodies, Apparatus for producing hollow. A. Voelker and N. Meurer. No. 1,068,716; July 29; Gaz. vol. 192; p. 1104.
- Quebracho, Treating. J. M. Fiske. No. 1,081,730; Dec. 16; Gaz. vol. 197; p. 684.
- Quick-adjusting wrench. A. Carp. No. 1,061,046; May 6; Gaz. vol. 190; p. 170.
- Quilling-machine. G. Sipp and W. S. Wells. No. 1,056,462; Mar. 18; Gaz. vol. 188; p. 680.
- Quilling-machine. G. Adsit. No. 1,063,235; June 3; Gaz. vol. 191; p. 23.
- Quilting-frame. W. D. Cribbs. No. 1,053,713; Feb. 18; Gaz. vol. 187; p. 718.
- Rabbit-trap. J. A. Sauter. No. 1,079,666; Nov. 25; Gaz. vol. 196; p. 928.
- Race-track. P. Everett. No. 1,052,807; Feb. 11; Gaz. vol. 187; p. 361.
- Racing device, Amusement. R. Shuyler. No. 1,072,181; Sept. 2; Gaz. vol. 194; p. 175.
- Rack: See Baggage-rack; Bakery-rack; Basket-rack; Bread-rack; Brush-holding rack; Clothes-rack; Clothes-hanger rack; Clothes-wringer rack; Corn-rack; Corn-drying rack; Display-rack; Drying-rack; Film-drying rack; Fire-hose rack; Harness-rack; Hat-rack; Hay-rack; Hay and hog rack; Hay and stock rack; Hay-curing rack; Horseshoeing-rack; Hose-rack; Lace-rack; Mail-pouch rack; Mail-sack rack; Mattress-rack; Oven-rack; Printer's drying-rack; Rug-rack; Seed-rack; Shoe-rack; Spool-rack; Stamp-rack; Strainer-rack; Supporting-rack; Tire-rack; Towel-rack; Towel and clothes rack; Umbrella, &c., rack; Wagon-rack.
- Rack. W. A. Medlin. No. 1,054,228; Feb. 25; Gaz. vol. 187; p. 929.
- Rack. N. C. Beegle. No. 1,075,395; Oct. 14; Gaz. vol. 195; p. 307.
- Rack for towels and similar articles. O. A. Boehm. No. 1,072,204; Sept. 2; Gaz. vol. 194; p. 183.
- Rack or support. F. Steinhoff. No. 1,079,033; Nov. 18; Gaz. vol. 196; p. 683.
- Racket for tennis or the like. A. A. Tunmer. No. 1,054,059; Feb. 25; Gaz. vol. 187; p. 869.
- Radial drill. H. M. Norris. No. 1,058,254; Apr. 8; Gaz. vol. 189; p. 339.
- Radial drill. W. T. Sears. No. 1,071,590; Aug. 26; Gaz. vol. 193; p. 953.
- Radial drill. W. T. Sears. No. 1,076,242; Oct. 21; Gaz. vol. 195; p. 622.
- Radial drill, portable or on wheels, Universal. A. Engelhard. No. 1,073,597; Sept. 23; Gaz. vol. 194; p. 755.

Alphabetical list of inventions—Continued.

- Radiator. K. M. Boblett. No. 1,053,269; Feb. 18; Gaz. vol. 187; p. 563.
- Radiator. L. Loziano. No. 1,053,309; Feb. 18; Gaz. vol. 187; p. 577.
- Radiator. E. C. F. Streichert. No. 1,053,546; Feb. 18; Gaz. vol. 187; p. 659.
- Radiator. L. Williams. No. 1,055,434; Mar. 11; Gaz. vol. 188; p. 300.
- Radiator. E. C. F. Streichert. No. 1,057,294; Mar. 25; Gaz. vol. 188; p. 996.
- Radiator. G. S. Ransom. No. 1,057,453; Apr. 1; Gaz. vol. 189; p. 20.
- Radiator. E. H. Trotter. No. 1,057,988; Apr. 1; Gaz. vol. 189; p. 202.
- Radiator. J. F. Monnot. No. 1,064,849; June 17; Gaz. vol. 191; p. 643.
- Radiator. J. F. Monnot. No. 1,064,924; June 17; Gaz. vol. 191; p. 665.
- Radiator. J. M. Cromley. No. 1,065,663; June 24; Gaz. vol. 191; p. 952.
- Radiator. M. J. Farquhar. No. 1,067,418; July 15; Gaz. vol. 192; p. 589.
- Radiator. E. A. Newman. No. 1,072,637; Sept. 9; Gaz. vol. 194; p. 359.
- Radiator. G. E. Farlinger. No. 1,076,203; Oct. 21; Gaz. vol. 195; p. 609.
- Radiator. H. C. Harrison. No. 1,076,422; Oct. 21; Gaz. vol. 195; p. 686.
- Radiator. A. F. Rosen. No. 1,076,704; Oct. 28; Gaz. vol. 195; p. 840.
- Radiator. D. J. McCarty and H. B. McGinnis. No. 1,078,546; Nov. 11; Gaz. vol. 196; p. 480.
- Radiator attachment. J. Kinzey. No. 1,056,911; Mar. 25; Gaz. vol. 188; p. 864.
- Radiator-cap. J. V. Crone. No. 1,050,265; Jan. 14; Gaz. vol. 186; p. 354.
- Radiator-cell section. H. C. Harrison and E. C. F. Streichert. No. 1,073,579; Sept. 16; Gaz. vol. 194; p. 727.
- Radiator-cell structure. H. C. Harrison. No. 1,076,115; Oct. 21; Gaz. vol. 195; p. 581.
- Radiator-cells, Hexagonal construction of. H. C. Harrison. No. 1,076,364; Oct. 21; Gaz. vol. 195; p. 666.
- Radiator, Cleanable heat-. W. E. Bahr. No. 1,080,408; Dec. 2; Gaz. vol. 197; p. 174.
- Radiator construction. V. J. Mayo. No. 1,055,407; Mar. 11; Gaz. vol. 188; p. 289.
- Radiator-cores, Assembling. E. C. F. Streichert. No. 1,049,940; Jan. 7; Gaz. vol. 186; p. 210.
- Radiator-cover. W. R. Moore. No. 1,062,986; May 27; Gaz. vol. 190; p. 936.
- Radiator foot-rest. E. B. Bower. No. 1,074,081; Sept. 23; Gaz. vol. 194; p. 921.
- Radiator for clothes-drying apparatus, Sectional. C. L. Esterly and B. A. Horwitz. No. 1,081,668; Dec. 16; Gaz. vol. 197; p. 663.
- Radiator, Gas or oil. O. Spahr. No. 1,068,461; July 29; Gaz. vol. 192; p. 1016.
- Radiator, Heat-. A. B. Neiman. No. 1,073,813; Sept. 23; Gaz. vol. 194; p. 831.
- Radiator-heater, Automobile. L. H. Mayer. No. 1,060,992; May 6; Gaz. vol. 190; p. 150.
- Radiator, Heating-. A. E. Baum and A. Schoel. No. 1,059,262; Apr. 15; Gaz. vol. 189; p. 725.
- Radiator made of wrought-iron. H. Steffen. No. 1,078,884; Nov. 18; Gaz. vol. 196; p. 630.
- Radiator-section. E. C. F. Streichert. No. 1,076,527; Oct. 21; Gaz. vol. 195; p. 724.
- Radiator-sections, Assembling. F. A. Feldkamp. No. 1,077,058; Oct. 28; Gaz. vol. 195; p. 964.
- Radiator-sections, Producing. I. A. Randel. No. 1,065,886; June 24; Gaz. vol. 191; p. 1027.
- Radiator, Steam-. A. B. Neiman and A. L. Adams. No. 1,057,081; Mar. 25; Gaz. vol. 188; p. 922.
- Radiator, Steam and hot-water. C. E. Dickinson. No. 1,071,716; Sept. 2; Gaz. vol. 194; p. 16.
- Radiator-trap, Water-seal. E. C. Wiley. No. 1,072,287; Sept. 2; Gaz. vol. 194; p. 208.
- Radiator, Ventilating-. O. P. Simler. No. 1,072,264; Sept. 2; Gaz. vol. 194; p. 200.
- Radiator, Water-cooling. W. J. Kells. No. 1,068,246; July 22; Gaz. vol. 192; p. 904.
- Radiators, Air-moistening and dust-settling device for. H. R. Beyer. No. 1,064,598; June 10; Gaz. vol. 191; p. 523.
- Radiators, &c., Fitting for. J. T. Lockhart. No. 1,050,150; Jan. 14; Gaz. vol. 186; p. 316.
- Radiators, Foot-rest for. E. W. Beyer. No. 1,067,298; July 15; Gaz. vol. 192; p. 549.
- Radiators in automobile-frames, Bearing for supporting. O. Stegeman. No. 1,062,197; May 20; Gaz. vol. 190; p. 633.
- Radiators, &c., Support for. A. Kehm. No. 1,056,553; Mar. 18; Gaz. vol. 188; p. 712.
- Radiators, Trunnion suspension for. J. E. Woodbridge. No. 1,056,874; Mar. 25; Gaz. vol. 188; p. 851.
- Radiotelegraphic station. G. G. von Arco. No. 1,082,221; Dec. 23; Gaz. vol. 197; p. 880.
- Radiothorium, Preparation of. L. Meitner. No. 1,076,141; Oct. 21; Gaz. vol. 195; p. 588.
- Radium and other radio-active substances, Preparation, isolation, and enrichment of. E. Ebler. No. 1,059,531; Apr. 22; Gaz. vol. 189; p. 854.
- Radius-jack. C. A. Fleming. No. 1,075,639; Oct. 14; Gaz. vol. 195; p. 391.
- Raffinade (white sugar) direct from raw sugar-juices, Manufacture of. A. Wijnberg and J. N. A. Sauer. No. 1,070,654; Aug. 19; Gaz. vol. 193; p. 609.
- Rafter-reckoner. W. F. Norman. No. 1,056,206; Mar. 18; Gaz. vol. 188; p. 593.
- Rag-tearing machine and fiber-opener and the like. A. Snowden. No. 1,081,783; Dec. 16; Gaz. vol. 197; p. 704.
- Rail. E. Deprator. No. 1,053,137; Feb. 11; Gaz. vol. 187; p. 475.
- Rail. J. Noll. No. 1,068,813; July 29; Gaz. vol. 192; p. 1140.
- Rail. C. F. Weeber. No. 1,077,236; Oct. 28; Gaz. vol. 195; p. 1019.
- Rail-anchor. J. W. Enright. No. 1,050,725; Jan. 14; Gaz. vol. 186; p. 511.
- Rail-anchor. R. N. Baylies. No. 1,052,432; Feb. 4; Gaz. vol. 187; p. 201.
- Rail-anchor. W. H. Winsworth. No. 1,060,728; May 6; Gaz. vol. 190; p. 57.
- Rail-anchor. P. W. Moore. No. 1,070,978; Aug. 19; Gaz. vol. 193; p. 714.
- Rail-anchor. H. Jenkins. No. 1,076,372; Oct. 21; Gaz. vol. 195; p. 668.
- Rail-anchor. E. J. Ferguson. No. 1,076,493; Oct. 21; Gaz. vol. 195; p. 712.
- Rail-anchor, Interlocking. P. W. Moore. No. 1,063,825; June 3; Gaz. vol. 191; p. 226.
- Rail and road-bed construction. C. W. Clarke. No. 1,076,190; Oct. 21; Gaz. vol. 195; p. 605.
- Rail and tie fastener. J. Fekete and G. Serfozo. No. 1,055,732; Mar. 11; Gaz. vol. 188; p. 397.
- Rail and trap-door fastening, Combined hand-. W. H. Mussey. No. 1,052,366; Feb. 4; Gaz. vol. 187; p. 177.
- Rail-anticreep. F. A. Preston. No. 1,058,015; Apr. 1; Gaz. vol. 189; p. 212.
- Rail, Anticreeper. A. M. Taylor. No. 1,049,780; Jan. 7; Gaz. vol. 186; p. 158.
- Rail-bond. C. R. Sturdevant. No. 1,056,854; Mar. 25; Gaz. vol. 188; p. 844.
- Rail-brace. C. W. Davis. No. 1,069,115; Aug. 5; Gaz. vol. 193; p. 9.
- Rail-brace, Adjustable. J. B. Welday. No. 1,055,107; Mar. 4; Gaz. vol. 188; p. 153.
- Rail brace and splice, Combined. W. M. Palmer. No. 1,082,042; Dec. 23; Gaz. vol. 197; p. 821.
- Rail-breaking device. J. Lynch. No. 1,057,862; Apr. 1; Gaz. vol. 189; p. 161.
- Rail-bucking apparatus. F. M. Smith and G. E. Johnson. No. 1,058,801; Apr. 15; Gaz. vol. 189; p. 564.
- Rail-chair. V. L. Hoyt, A. Sarosi, and A. Wooster. No. 1,054,553; Feb. 25; Gaz. vol. 187; p. 1038.
- Rail-chair. J. D. Young. No. 1,054,957; Mar. 4; Gaz. vol. 188; p. 102.
- Rail-chair. J. R. Smith. No. 1,058,802; Apr. 15; Gaz. vol. 189; p. 564.
- Rail-chair. F. C. Bauer. No. 1,065,770; June 24; Gaz. vol. 191; p. 988.
- Rail-chair. T. Coleman. No. 1,069,229; Aug. 5; Gaz. vol. 193; p. 51.
- Rail-chair. W. M. Osborn. No. 1,077,367; Nov. 4; Gaz. vol. 196; p. 44.
- Rail-chair. W. J. Burtle. No. 1,078,250; Nov. 11; Gaz. vol. 196; p. 377.
- Rail-chair. J. H. Beatty. No. 1,079,204; Nov. 18; Gaz. vol. 196; p. 741.
- Rail-chair. J. R. Jennings. No. 1,079,768; Nov. 25; Gaz. vol. 196; p. 967.
- Rail-chair. J. W. Shafer. No. 1,080,174; Dec. 2; Gaz. vol. 197; p. 90.
- Rail-chair. A. E. Schotte. No. 1,083,034; Dec. 30; Gaz. vol. 197; p. 1195.
- Rail chair and antispreading device, Combined. S. N. Fraser. No. 1,080,962; Dec. 9; Gaz. vol. 197; p. 395.
- Rail chair and fastening, Combined. S. P. Petersen. No. 1,055,218; Mar. 4; Gaz. vol. 188; p. 189.
- Rail-chair fastener, Combined. C. Kemmerer. No. 1,066,624; July 8; Gaz. vol. 192; p. 281.
- Rail chair, Guard-. P. W. Moore. No. 1,056,707; Mar. 18; Gaz. vol. 188; p. 764.
- Rail-chair, splice-bar, and tie-plate, Combined. G. W. Himler. No. 1,079,242; Nov. 18; Gaz. vol. 196; p. 753.
- Rail-clamp. F. E. Dillon. No. 1,050,009; Jan. 7; Gaz. vol. 186; p. 233.
- Rail-clamp. C. A. Alden. No. 1,050,417; Jan. 14; Gaz. vol. 186; p. 408.
- Rail-clamp. J. F. Robertson. No. 1,051,451; Jan. 28; Gaz. vol. 186; p. 829.
- Rail-clamp. J. P. Braden and W. D. Palmer. No. 1,074,407; Sept. 30; Gaz. vol. 194; p. 1059.
- Rail clamp, Guard-. H. R. Akers. No. 1,053,961; Feb. 25; Gaz. vol. 187; p. 837.
- Rail clamp or anchor. J. E. Fischer and N. R. Nelson. No. 1,052,715; Feb. 11; Gaz. vol. 187; p. 328.
- Rail-clip. H. T. Cory. No. 1,063,859; June 3; Gaz. vol. 191; p. 235.

Alphabetical list of inventions—Continued.

- Rail, Composite. E. E. Slick. No. 1,060,371; Apr. 29; Gaz. vol. 189; p. 1179.
- Rail, Compound. C. H. Beasecker. No. 1,061,037; May 6; Gaz. vol. 190; p. 166.
- Rail, Compound. J. G. Campau. No. 1,061,726; May 13; Gaz. vol. 190; p. 437.
- Rail, Compound. J. Noll. No. 1,068,814; July 29; Gaz. vol. 192; p. 1140.
- Rail, Compound. J. Noll. No. 1,068,815; July 29; Gaz. vol. 192; p. 1141.
- Rail, Compound. E. P. Caldwell. No. 1,073,211; Sept. 16; Gaz. vol. 194; p. 600.
- Rail, Compound. E. P. Caldwell. No. 1,073,212; Sept. 16; Gaz. vol. 194; p. 600.
- Rail, Compound. E. P. Caldwell. No. 1,073,213; Sept. 16; Gaz. vol. 194; p. 600.
- Rail connection. G. Fussell. No. 1,056,658; Mar. 18; Gaz. vol. 188; p. 747.
- Rail-coupling device. W. H. Wentz. No. 1,059,243; Apr. 15; Gaz. vol. 189; p. 718.
- Rail device. L. Tritico. No. 1,057,304; Mar. 25; Gaz. vol. 188; p. 998.
- Rail-drill. L. W. Morton. No. 1,074,517; Sept. 30; Gaz. vol. 194; p. 1093.
- Rail-drill drive and frame therefor. L. W. Morton. No. 1,074,557; Sept. 30; Gaz. vol. 194; p. 1105.
- Rail-drilling means. M. Reedy. No. 1,070,354; Aug. 12; Gaz. vol. 193; p. 464.
- Rail-end-alining apparatus. F. Lange. No. 1,049,738; Jan. 7; Gaz. vol. 186; p. 143.
- Rail-end-alining apparatus. F. Lange. No. 1,050,063; Jan. 7; Gaz. vol. 186; p. 253.
- Rail-fastener. F. Wessel. No. 1,049,954; Jan. 7; Gaz. vol. 186; p. 214.
- Rail-fastener. J. H. Volk. No. 1,050,580; Jan. 14; Gaz. vol. 186; p. 466.
- Rail-fastener. F. Dobmeier. No. 1,053,583; Feb. 18; Gaz. vol. 187; p. 673.
- Rail-fastener. G. A. Belknap. No. 1,054,896; Mar. 4; Gaz. vol. 188; p. 84.
- Rail-fastener. J. A. Pluebell and J. E. Kautz. No. 1,060,285; Apr. 29; Gaz. vol. 189; p. 1149.
- Rail-fastener. W. L. Eby. No. 1,062,957; May 27; Gaz. vol. 190; p. 927.
- Rail-fastener. S. C. Collins. No. 1,065,343; June 24; Gaz. vol. 191; p. 842.
- Rail-fastener. J. N. Schwalen. No. 1,065,487; June 24; Gaz. vol. 191; p. 1013.
- Rail-fastener. A. C. Candland. No. 1,066,885; July 8; Gaz. vol. 192; p. 370.
- Rail-fastener. A. C. Candland. No. 1,066,886; July 8; Gaz. vol. 192; p. 370.
- Rail-fastener. W. E. O'Brien and E. J. Quinn. No. 1,067,438; July 15; Gaz. vol. 192; p. 595.
- Rail-fastener. J. A. Geyer. No. 1,072,327; Sept. 2; Gaz. vol. 194; p. 221.
- Rail-fastener. R. McNeil. No. 1,072,754; Sept. 9; Gaz. vol. 194; p. 399.
- Rail-fastener. R. C. Morrow. No. 1,074,005; Sept. 23; Gaz. vol. 194; p. 896.
- Rail-fastener. G. H. Stones. No. 1,077,961; Nov. 4; Gaz. vol. 196; p. 247.
- Rail-fastener, Automatic. G. J. Frank. No. 1,067,105; July 8; Gaz. vol. 192; p. 444.
- Rail-fastener, Insulating. A. J. Bates. No. 1,083,181; Dec. 30; Gaz. vol. 197; p. 1239.
- Rail-fastening. S. B. Kuil. No. 1,049,876; Jan. 7; Gaz. vol. 186; p. 190.
- Rail-fastening. P. H. Hellner. No. 1,050,457; Jan. 14; Gaz. vol. 186; p. 422.
- Rail-fastening. T. E. Buck. No. 1,052,127; Feb. 4; Gaz. vol. 187; p. 98.
- Rail-fastening. W. J. Schwab. No. 1,076,790; Oct. 28; Gaz. vol. 195; p. 870.
- Rail-fastening. G. W. Roemer and C. Priester. No. 1,078,555; Nov. 11; Gaz. vol. 196; p. 482.
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- Rail-fastening. I. A. Miller. No. 1,082,433; Dec. 23; Gaz. vol. 197; p. 954.
- Rail-fastening clip, Adjustable. A. Ritter. No. 1,056,834; Mar. 25; Gaz. vol. 188; p. 837.
- Rail-fastening device. L. Fauqué. No. 1,053,979; Feb. 25; Gaz. vol. 187; p. 843.
- Rail-fastening for steel ties. F. A. Preston. No. 1,052,424; Feb. 4; Gaz. vol. 187; p. 198.
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- Rail foot-guard. T. S. Partin. No. 1,068,161; July 22; Gaz. vol. 192; p. 873.
- Rail Guard. E. N. Strom. No. 1,056,469; Mar. 18; Gaz. vol. 188; p. 682.
- Rail Guard. W. W. Burdette and E. E. Davis. No. 1,059,708; Apr. 22; Gaz. vol. 189; p. 912.
- Rail Guard. F. B. Bradley. No. 1,065,914; July 1; Gaz. vol. 192; p. 3.
- Rail-holder. S. Gasser. No. 1,059,859; Apr. 22; Gaz. vol. 189; p. 959.
- Rail-holding device. J. B. Demary. No. 1,065,595; June 24; Gaz. vol. 191; p. 929.
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- Rail-joint. M. Slokar. No. 1,051,023; Jan. 21; Gaz. vol. 186; p. 652.
- Rail-joint. E. F. Odell. No. 1,051,511; Jan. 28; Gaz. vol. 186; p. 850.
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- Rail-joint. A. G. Kline. No. 1,052,261; Feb. 4; Gaz. vol. 187; p. 144.
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- Rail-joint. K. Jasiecki and K. Glowacki. No. 1,053,290; Feb. 18; Gaz. vol. 187; p. 571.
- Rail-joint. J. Juhász. No. 1,053,293; Feb. 18; Gaz. vol. 187; p. 572.
- Rail-joint. L. Blessing. No. 1,053,351; Feb. 18; Gaz. vol. 187; p. 592.
- Rail-joint. H. M. Coulter. No. 1,054,280; Feb. 25; Gaz. vol. 187; p. 945.
- Rail-joint. J. J. Lynch. No. 1,054,429; Feb. 25; Gaz. vol. 187; p. 997.
- Rail-joint. T. H. Knight. No. 1,054,565; Feb. 25; Gaz. vol. 187; p. 1041.
- Rail-joint. W. T. Orr. No. 1,054,600; Feb. 25; Gaz. vol. 187; p. 1054.
- Rail-joint. S. E. Moore. No. 1,055,207; Mar. 4; Gaz. vol. 188; p. 185.
- Rail-joint. G. Benzel. No. 1,055,253; Mar. 4; Gaz. vol. 188; p. 199.
- Rail-joint. G. J. Leuvelink. No. 1,055,767; Mar. 11; Gaz. vol. 188; p. 410.
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- Rail-joint. J. B. Baum. No. 1,055,965; Mar. 11; Gaz. vol. 188; p. 476.
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- Rail-joint. W. H. Moore. No. 1,056,112; Mar. 18; Gaz. vol. 188; p. 561.
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- Rail-joint. N. J. Goyette. No. 1,056,660; Mar. 18; Gaz. vol. 188; p. 748.
- Rail-joint. C. R. Gray. No. 1,056,661; Mar. 18; Gaz. vol. 188; p. 748.
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- Rail-joint. W. T. Lindsay. No. 1,058,875; Apr. 15; Gaz. vol. 189; p. 592.
- Rail-joint. A. C. Butler and C. T. Blackstock. No. 1,059,027; Apr. 15; Gaz. vol. 189; p. 645.
- Rail-joint. N. Haydon. No. 1,059,155; Apr. 15; Gaz. vol. 189; p. 688.
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- Rail-joint. W. T. Sapp. No. 1,060,501; Apr. 29; Gaz. vol. 189; p. 1225.
- Rail-joint. E. J. Slusser. No. 1,061,333; May 13; Gaz. vol. 190; p. 299.
- Rail-joint. F. B. Marriott. No. 1,061,621; May 13; Gaz. vol. 190; p. 400.
- Rail-joint. H. B. Kaehn. No. 1,061,751; May 13; Gaz. vol. 190; p. 444.
- Rail-joint. J. Forsyth. No. 1,061,907; May 13; Gaz. vol. 190; p. 491.
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- Rail-joint. F. E. Dillon. No. 1,064,058; June 10; Gaz. vol. 191; p. 338.
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- Rail-joint. J. A. Greer. No. 1,075,644; Oct. 14; Gaz. vol. 195; p. 392.
- Rail-joint. L. Knaak. No. 1,075,654; Oct. 14; Gaz. vol. 195; p. 395.
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- Rail-joint. R. T. Berry. No. 1,079,284; Nov. 18; Gaz. vol. 196; p. 765.
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- Rail-joint. J. E. Bamber. No. 1,079,825; Nov. 25; Gaz. vol. 196; p. 985.
- Rail-joint. P. W. L. Meadows. No. 1,080,017; Dec. 2; Gaz. vol. 197; p. 34.
- Rail-joint. H. Reed. No. 1,080,124; Dec. 2; Gaz. vol. 197; p. 73.
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- Rail-joint. E. C. Wiley. No. 1,081,878; Dec. 16; Gaz. vol. 197; p. 736.
- Rail-joint. F. Steinbrenner and C. Slemenda. No. 1,083,036; Dec. 30; Gaz. vol. 197; p. 1195.
- Rail-joint. G. W. T. Anderson. No. 1,083,177; Dec. 30; Gaz. vol. 197; p. 1238.
- Rail joint and chair. W. H. Lesh. No. 1,075,044; Oct. 7; Gaz. vol. 195; p. 157.
- Rail joint and fastener. B. F. Gilbert. No. 1,081,823; Dec. 16; Gaz. vol. 197; p. 718.
- Rail-joint and locking-plate, Combined. J. T., Jr., and J. T. Finley, Sr. No. 1,061,232; May 6; Gaz. vol. 190; p. 229.
- Rail-joint and nut-lock, Combined. E. T. Wade. No. 1,077,770; Nov. 4; Gaz. vol. 196; p. 183.
- Rail joint and support. G. W. Routt. No. 1,050,697; Jan. 14; Gaz. vol. 186; p. 502.
- Rail-joint chair. C. Rexroad. No. 1,054,941; Mar. 4; Gaz. vol. 188; p. 97.
- Rail-joint chair. F. W. Morse. No. 1,064,155; June 10; Gaz. vol. 191; p. 372.
- Rail-joint fastening. F. L. Morgan. No. 1,059,193; Apr. 15; Gaz. vol. 189; p. 702.
- Rail-joint fastening and the like. J. M. Dorsey. No. 1,078,904; Nov. 18; Gaz. vol. 196; p. 637.
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- Rail-joint for railways. J. M. Maher. No. 1,075,114; Oct. 7; Gaz. vol. 195; p. 180.
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- Rail-joint, Insulated. E. F. Schermerhorn. (Reissue.) No. 13,575; June 10; Gaz. vol. 191; p. 562.
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- Rail-joint, Interlocking. J. F. Barnhill. No. 1,058,709; Apr. 15; Gaz. vol. 189; p. 532.
- Rail-joint lock. W. King and P. L. Bettis. No. 1,071,558; Aug. 26; Gaz. vol. 193; p. 942.
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- Rail-joint support. G. W. Dickey. No. 1,068,419; July 29; Gaz. vol. 192; p. 1002.
- Rail-joint support. A. G. Smith. No. 1,074,475; Sept. 30; Gaz. vol. 194; p. 1081.

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- Rail-joints, Means of forming. H. G. Gillmor. No. 1,050,450; Jan. 14; Gaz. vol. 186; p. 420.
- Rail-laying apparatus. J. Reinehr. (Reissue.) No. 13,602; Aug. 5; Gaz. vol. 193; p. 197.
- Rail plate and anchor. C. F. Hilton. No. 1,051,405; Jan. 28; Gaz. vol. 186; p. 814.
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- Rail-spike. L. E. White. No. 1,055,375; Mar. 11; Gaz. vol. 188; p. 280.
- Rail-splicer. H. M. Zirkle. No. 1,050,590; Jan. 14; Gaz. vol. 186; p. 469.
- Rail-splicing structure. W. P. and S. G. Thomson. No. 1,057,687; Apr. 1; Gaz. vol. 189; p. 99.
- Rail-stay. J. M. Vail. No. 1,074,666; Oct. 7; Gaz. vol. 195; p. 28.
- Rail-stay. J. M. Vail. No. 1,074,667; Oct. 7; Gaz. vol. 195; p. 28.
- Rail-straightening device. J. S. Wagner. No. 1,077,019; Oct. 28; Gaz. vol. 195; p. 951.
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- Rail-support. F. O. Hellstrom. No. 1,054,768; Mar. 4; Gaz. vol. 188; p. 40.
- Rail-support. F. O. Hellstrom. No. 1,061,475; May 13; Gaz. vol. 190; p. 348.
- Rail-support. E. E. and H. F. Wiese. No. 1,064,801; June 17; Gaz. vol. 191; p. 627.
- Rail-support. W. P. Day. No. 1,066,085; July 1; Gaz. vol. 192; p. 64.
- Rail support or chair, Third-. J. S. Fox. No. 1,068,233; July 22; Gaz. vol. 192; p. 899.
- Rail supporting and fastening device. D. L. Braine. No. 1,081,575; Dec. 16; Gaz. vol. 197; p. 634.
- Rail-supporting bed. F. W. Lawson. No. 1,073,996; Sept. 23; Gaz. vol. 194; p. 894.
- Rail-supporting device. D. L. Braine. No. 1,076,813; Oct. 28; Gaz. vol. 195; p. 878.
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- Rail switch, Continuous-. J. S. Jackson. No. 1,055,465; Mar. 11; Gaz. vol. 188; p. 310.
- Rail-tie. A. Eberhart. No. 1,051,806; Jan. 28; Gaz. vol. 186; p. 947.
- Rail-tie. L. Owen. No. 1,055,290; Mar. 4; Gaz. vol. 188; p. 211.
- Rail-tie. G. B. Hoak. No. 1,056,902; Mar. 25; Gaz. vol. 188; p. 861.
- Rail-tie. W. C. Berrien. No. 1,070,103; Aug. 12; Gaz. vol. 193; p. 379.
- Rail-tie. L. Johnson. No. 1,072,236; Sept. 2; Gaz. vol. 194; p. 192.
- Rail-tie. J. D. Warrell. No. 1,078,075; Nov. 11; Gaz. vol. 196; p. 318.
- Rail tie and anchor. F. H. Stanford. No. 1,076,612; Oct. 21; Gaz. vol. 195; p. 754.
- Rail tie and clamp, Combination. L. L. Gomillion. No. 1,063,532; June 3; Gaz. vol. 191; p. 121.
- Rail tie and fastener. L. Owen. No. 1,055,216; Mar. 4; Gaz. vol. 188; p. 188.
- Rail tie and fastener. A. Valkelberg. No. 1,063,087; May 27; Gaz. vol. 190; p. 969.
- Rail tie and fastener. D. R. Will. No. 1,065,416; June 24; Gaz. vol. 191; p. 868.
- Rail tie and fastener. C. A. Billings. No. 1,066,701; July 8; Gaz. vol. 192; p. 309.
- Rail-tie and rail-fastening. F. McCune. No. 1,067,127; July 8; Gaz. vol. 192; p. 452.
- Rail-tie clip. M. J. Nunes. No. 1,051,437; Jan. 28; Gaz. vol. 186; p. 824.
- Rail-tie, Metallic. J. H. Cox. No. 1,067,588; July 15; Gaz. vol. 192; p. 646.
- Rail tie-plate. W. W. Meuser. No. 1,063,372; June 3; Gaz. vol. 191; p. 68.
- Rail track construction, Compound-. E. Rhodes. No. 1,062,186; May 20; Gaz. vol. 190; p. 629.
- Rails, Anticreeper for. C. W. Breed. No. 1,075,187; Oct. 7; Gaz. vol. 195; p. 206.
- Rails, Fish-plate for. W. C. Rath. No. 1,076,233; Oct. 21; Gaz. vol. 195; p. 619.
- Rails from spreading, Device to prevent. G. W. Carr, Sr. No. 1,082,496; Dec. 30; Gaz. vol. 197; p. 1007.
- Rails, Interlocking tie-plate for. A. L. Cole. No. 1,062,692; May 27; Gaz. vol. 190; p. 839.
- Rails, Interlocking tie-plate for. A. L. Cole. No. 1,062,693; May 27; Gaz. vol. 190; p. 839.
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- Rails, Machine for working on compound. J. Noll. No. 1,080,651; Dec. 9; Gaz. vol. 197; p. 285.
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- Rails, Means for preventing the creeping of. F. A. Preston. No. 1,066,145; July 1; Gaz. vol. 192; p. 84.
- Rails on permanent ways, Fixing. A. Henry. No. 1,062,235; May 20; Gaz. vol. 190; p. 646.
- Rails to metal ties, Means for securing. N. C. Fettes. No. 1,053,801; Feb. 18; Gaz. vol. 187; p. 746.
- Rails to metal ties, Means for securing. W. H. Morgan. No. 1,063,374; June 3; Gaz. vol. 191; p. 69.
- Rails to the sleepers, Means for fastening the. A. Haarmann. No. 1,061,538; May 13; Gaz. vol. 190; p. 372.
- Rails to ties, Means for fastening. W. G. Chipley. No. 1,064,817; June 17; Gaz. vol. 191; p. 637.
- Railway. P. Szuminski. No. 1,071,111; Aug. 26; Gaz. vol. 193; p. 795.
- Railway and electric-motor control, Electric. H. W. Leonard. No. 1,076,214; Oct. 21; Gaz. vol. 195; p. 613.
- Railway and other rolling-stock, Buffing and draft gear for. C. Watson. No. 1,062,312; May 20; Gaz. vol. 190; p. 673.
- Railway and the like point-lever. A. Vellere. No. 1,081,708; Dec. 16; Gaz. vol. 197; p. 677.
- Railway and tramway tie or sleeper and chair. W. P. Beavan. No. 1,067,457; July 15; Gaz. vol. 192; p. 601.
- Railway apparatus, Control of. F. B. Corey. No. 1,051,557; Jan. 28; Gaz. vol. 186; p. 866.
- Railway appliance. W. R. Isaacs. No. 1,078,287; Nov. 11; Gaz. vol. 196; p. 392.
- Railway automatic safety stop system. M. L. Sindeband and C. B. Woticky. No. 1,058,638; Apr. 8; Gaz. vol. 189; p. 469.
- Railway-beds, Construction of. W. W. Alley. No. 1,070,386; Aug. 19; Gaz. vol. 193; p. 517.
- Railway block system. C. Woods. No. 1,053,338; Feb. 18; Gaz. vol. 187; p. 588.
- Railway-booth. C. F. Massey. No. 1,060,347; Apr. 29; Gaz. vol. 189; p. 1171.
- Railway-brake. C. W. Drake. No. 1,074,700; Oct. 7; Gaz. vol. 195; p. 40.
- Railway-bridges, Danger-signal for. J. E. Sjoman. No. 1,075,868; Oct. 14; Gaz. vol. 195; p. 467.
- Railway-cab signal. H. G. Sedgwick. No. 1,082,824; Dec. 30; Gaz. vol. 197; p. 1125.
- Railway-card holder. C. O. Keagy and J. R. Carmer. No. 1,065,875; June 24; Gaz. vol. 191; p. 1023.
- Railway-carriages, wagons, and the like, Automatic coupling for. V. W. J. Smith. No. 1,073,535; Sept. 16; Gaz. vol. 194; p. 711.
- Railway-clamp. T. R. Thompson. No. 1,055,370; Mar. 11; Gaz. vol. 188; p. 278.
- Railway concrete track construction. K. E. Porter. No. 1,082,236; Dec. 23; Gaz. vol. 197; p. 887.
- Railway construction. G. Symes. No. 1,052,983; Feb. 11; Gaz. vol. 187; p. 421.
- Railway construction. H. H. Ashlock. No. 1,058,520; Apr. 8; Gaz. vol. 189; p. 432.
- Railway construction. W. H. Morgan. No. 1,074,283; Sept. 30; Gaz. vol. 194; p. 1017.
- Railway construction. A. Ostheimer. No. 1,077,548; Nov. 4; Gaz. vol. 196; p. 108.
- Railway-crane, Portable. W. Schrader. No. 1,068,279; July 22; Gaz. vol. 192; p. 915.
- Railway cross-tie. A. L. Stevens. No. 1,060,373; Apr. 29; Gaz. vol. 189; p. 1180.
- Railway cross-tie. R. H. Pinkham. No. 1,068,269; July 22; Gaz. vol. 192; p. 911.
- Railway cross-tie. L. C. Mooney. No. 1,076,690; Oct. 28; Gaz. vol. 195; p. 835.
- Railway cross-tie and joint-clamp. D. J. McI'herson. No. 1,063,150; May 27; Gaz. vol. 190; p. 990.
- Railway-crossing. C. J. Griffith. No. 1,049,575; Jan. 7; Gaz. vol. 186; p. 89.
- Railway-crossing. R. F. Hitt. No. 1,049,861; Jan. 7; Gaz. vol. 186; p. 185.
- Railway-crossing. A. Yule. No. 1,051,050; Jan. 21; Gaz. vol. 186; p. 661.
- Railway-crossing. R. Browne. No. 1,055,442; Mar. 11; Gaz. vol. 188; p. 302.
- Railway-crossing. F. P. McCoig. No. 1,058,618; Apr. 8; Gaz. vol. 189; p. 463.
- Railway-crossing. C. A. Alden. No. 1,058,933; Apr. 15; Gaz. vol. 189; p. 612.
- Railway-crossing. E. J. Sherwood and G. L. Cooke. No. 1,059,775; Apr. 22; Gaz. vol. 189; p. 934.
- Railway-crossing. G. E. Fletcher. No. 1,064,202; June 10; Gaz. vol. 191; p. 389.
- Railway-crossing. A. Jackulvic and C. E. Hart. No. 1,065,251; June 17; Gaz. vol. 191; p. 774.
- Railway-crossing. J. H. Strickland. No. 1,065,281; June 17; Gaz. vol. 191; p. 784.
- Railway-crossing. A. J. Higgins. No. 1,067,171; July 8; Gaz. vol. 192; p. 467.
- Railway-crossing. A. B. Crush. No. 1,068,984; July 29; Gaz. vol. 192; p. 1197.
- Railway-crossing. V. L. Cooper. No. 1,071,398; Aug. 26; Gaz. vol. 193; p. 891.
- Railway-crossing. T. M. Hughs. No. 1,073,760; Sept. 23; Gaz. vol. 194; p. 815.
- Railway-crossing. G. O. Bristow. No. 1,076,405; Oct. 21; Gaz. vol. 195; p. 681.
- Railway-crossing. C. F. Kelly. No. 1,078,048; Nov. 11; Gaz. vol. 196; p. 308.

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- Railway-crossing. D. H. Mahoney. No. 1,081,541; Dec. 16; Gaz. vol. 197; p. 625.
- Railway-crossing. J. W. Perkins. No. 1,082,607; Dec. 30; Gaz. vol. 197; p. 1048.
- Railway-crossing drain-box. W. M. McKnight. No. 1,051,344; Jan. 21; Gaz. vol. 186; p. 759.
- Railway-crossing gate, Automatic. J. R. Golden. No. 1,053,591; Feb. 18; Gaz. vol. 187; p. 675.
- Railway-crossing gate, Automatic. F. K. Dekan and A. Glauber. No. 1,078,421; Nov. 11; Gaz. vol. 196; p. 440.
- Railway-crossing. Noiseless. C. J. Ringel. No. 1,072,652; Sept. 9; Gaz. vol. 194; p. 364.
- Railway-crossing signal. J. F. Reeder. No. 1,054,792; Mar. 4; Gaz. vol. 188; p. 48.
- Railway-crossing signal. E. S. Garrett. No. 1,060,544; Apr. 29; Gaz. vol. 189; p. 1240.
- Railway-crossing signal system. G. Bryant. No. 1,071,506; Aug. 26; Gaz. vol. 193; p. 925.
- Railway-crossing switch. I. V. Bilyeu. No. 1,050,421; Jan. 14; Gaz. vol. 186; p. 409.
- Railway-crossover. I. V. Bilyeu. No. 1,082,394; Dec. 23; Gaz. vol. 197; p. 942.
- Railway danger-signal. C. N. Steevens. No. 1,064,673; June 10; Gaz. vol. 191; p. 549.
- Railway danger-signal, Automatic. H. A. Osborn. No. 1,056,051; Mar. 18; Gaz. vol. 188; p. 539.
- Railway-derailer. C. T. Martin, Jr. No. 1,081,543; Dec. 16; Gaz. vol. 197; p. 626.
- Railway diamond and other crossings. C. A. Dickson and N. L. Burton-Jones. No. 1,072,706; Sept. 9; Gaz. vol. 194; p. 383.
- Railway ditching-machine. H. F. Sink. No. 1,081,632; Dec. 16; Gaz. vol. 197; p. 652.
- Railway draft-rigging. J. F. O'Connor. No. 1,065,070; June 17; Gaz. vol. 191; p. 714.
- Railway draft-rigging. J. F. O'Connor. No. 1,070,056; Aug. 12; Gaz. vol. 193; p. 361.
- Railway draft-rigging. J. F. O'Connor. No. 1,070,058; Aug. 12; Gaz. vol. 193; p. 362.
- Railway draft-rigging. W. H. Miner. No. 1,074,190; Sept. 30; Gaz. vol. 194; p. 987.
- Railway draft-rigging. A. Campbell. No. 1,074,243; Sept. 30; Gaz. vol. 194; p. 1004.
- Railway draft-rigging. G. H. Forsyth. No. 1,081,298; Dec. 16; Gaz. vol. 197; p. 542.
- Railway draft-rigging, Draw-bar and yoke connection for. W. H. Miner. No. 1,073,275; Sept. 16; Gaz. vol. 194; p. 623.
- Railway electric signal. J. H. Gunn. No. 1,074,859; Oct. 7; Gaz. vol. 195; p. 91.
- Railway electric signals, Automatically-operated. W. J. Cook. No. 1,071,884; Sept. 2; Gaz. vol. 194; p. 74.
- Railway, Electrical suspension-. H. Müller. No. 1,074,807; Oct. 7; Gaz. vol. 195; p. 75.
- Railway, Elevated. C. T. Harvey. No. 1,060,566; Apr. 29; Gaz. vol. 189; p. 1247.
- Railway-frog. W. K. Wertz and M. A. Prugh. No. 1,067,699; July 15; Gaz. vol. 192; p. 684.
- Railway-frog. J. V. Stewart. No. 1,074,331; Sept. 30; Gaz. vol. 194; p. 1033.
- Railway-gate. E. E. Combs. No. 1,067,309; July 15; Gaz. vol. 192; p. 552.
- Railway-gate. C. Cannova. No. 1,076,266; Oct. 21; Gaz. vol. 195; p. 630.
- Railway-gate, Automatic. G. Hyler and G. Fisher. No. 1,050,465; Jan. 14; Gaz. vol. 186; p. 425.
- Railway-gate, Automatic. C. Grunow. No. 1,080,439; Dec. 2; Gaz. vol. 197; p. 184.
- Railway grade-crossing, Steam or electrical. M. E. Harrison and H. D. McCutcheon. No. 1,078,437; Nov. 11; Gaz. vol. 196; p. 445.
- Railway intersection. E. S. Cobb. No. 1,074,082; Sept. 23; Gaz. vol. 194; p. 921.
- Railway intersection. E. S. Cobb. No. 1,074,083; Sept. 23; Gaz. vol. 194; p. 922.
- Railway-joint. H. J. Cole. No. 1,052,711; Feb. 11; Gaz. vol. 187; p. 327.
- Railway-joint. S. Sanna. No. 1,052,970; Feb. 11; Gaz. vol. 187; p. 417.
- Railway-joint. J. Kent. No. 1,055,919; Mar. 11; Gaz. vol. 188; p. 460.
- Railway-joint. J. W. Scott. No. 1,058,473; Apr. 8; Gaz. vol. 189; p. 415.
- Railway-joint. E. Winkstern. No. 1,064,803; June 17; Gaz. vol. 191; p. 627.
- Railway joint-crossing. G. Dupes. No. 1,078,724; Nov. 18; Gaz. vol. 196; p. 574.
- Railway-joint plate. W. Goldie, Jr. No. 1,082,022; Dec. 23; Gaz. vol. 197; p. 814.
- Railway metal cross-tie. D. B. Reed. No. 1,066,320; July 1; Gaz. vol. 192; p. 148.
- Railway metal tie and rail-fastening. F. Jager. No. 1,075,425; Oct. 14; Gaz. vol. 195; p. 316.
- Railway metallic tie. J. A. McCracken. No. 1,076,687; Oct. 28; Gaz. vol. 195; p. 834.
- Railway-motor ventilation. J. D. Forrer. No. 1,075,470; Oct. 14; Gaz. vol. 195; p. 332.
- Railway overhead-line structure, Electric. W. S. Murray. No. 1,055,782; Mar. 11; Gaz. vol. 188; p. 416.
- Railway-platform safety appliance. R. C. Gallinant. No. 1,050,937; Jan. 21; Gaz. vol. 186; p. 623.
- Railway, Pleasure-. L. A. Thompson. No. 1,070,081; Aug. 12; Gaz. vol. 193; p. 370.
- Railway, Pleasure-. L. A. Thompson. No. 1,070,082; Aug. 12; Gaz. vol. 193; p. 370.
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- Railway, Pleasure-. L. A. Thompson. No. 1,070,360; Aug. 12; Gaz. vol. 193; p. 466.
- Railway, Pleasure-. H. A. Lockwood. No. 1,074,185; Sept. 30; Gaz. vol. 194; p. 985.
- Railway, Pleasure-. F. Ingersoll. No. 1,079,052; Nov. 18; Gaz. vol. 196; p. 689.
- Railway portable turn-table. D. E. Falvey. No. 1,068,492; July 29; Gaz. vol. 192; p. 1026.
- Railway-rail. C. M. Olson. No. 1,056,116; Mar. 18; Gaz. vol. 188; p. 562.
- Railway-rail. C. M. Olson and F. O. Hellstrom. No. 1,057,578; Apr. 1; Gaz. vol. 189; p. 62.
- Railway-rail. E. Héroux. No. 1,061,476; May 13; Gaz. vol. 190; p. 349.
- Railway-rail. R. D. Moore. No. 1,069,161; Aug. 5; Gaz. vol. 193; p. 24.
- Railway-rail. O. Bensinger. No. 1,069,520; Aug. 5; Gaz. vol. 193; p. 150.
- Railway-rail. J. B. Graf. No. 1,072,112; Sept. 2; Gaz. vol. 194; p. 151.
- Railway-rail. J. R. Calder. No. 1,076,016; Oct. 21; Gaz. vol. 195; p. 546.
- Railway-rail. P. N. Madsen. No. 1,079,054; Nov. 18; Gaz. vol. 196; p. 690.
- Railway-rail anchor-block and rail-fastening. J. G. Snyder. No. 1,050,306; Jan. 14; Gaz. vol. 186; p. 369.
- Railway-rail and rail-base plate, Combined. F. E. Abbott. (Reissue.) No. 13,637; Nov. 4; Gaz. vol. 196; p. 250.
- Railway-rail and rail-joint, Combination. A. P. Carpenter. No. 1,057,478; Apr. 1; Gaz. vol. 189; p. 28.
- Railway-rail and track construction. G. Coccia. No. 1,065,779; June 24; Gaz. vol. 191; p. 991.
- Railway-rail attachment. W. Haskins. No. 1,055,274; Mar. 4; Gaz. vol. 188; p. 206.
- Railway-rail attachment, Anticreep. W. R. Thomas. No. 1,077,377; Nov. 4; Gaz. vol. 196; p. 47.
- Railway-rail chair. P. Hadley. No. 1,067,332; July 15; Gaz. vol. 192; p. 560.
- Railway-rail chair or support. J. T. Andrew. No. 1,061,801; May 13; Gaz. vol. 190; p. 458.
- Railway-rail clamp. F. Maas. No. 1,069,447; Aug. 5; Gaz. vol. 193; p. 126.
- Railway-rail construction. W. H. Whittington. No. 1,059,510; Apr. 22; Gaz. vol. 189; p. 848.
- Railway-rail, Continuous. A. Bourrassa. No. 1,064,046; June 10; Gaz. vol. 191; p. 334.
- Railway-rail fastener. J. E. Voegtlin. No. 1,055,956; Mar. 11; Gaz. vol. 188; p. 473.
- Railway-rail fastener. E. J. Pettegrew. No. 1,068,697; July 29; Gaz. vol. 192; p. 1097.
- Railway-rail fastener. C. C. Mitchel. No. 1,076,144; Oct. 21; Gaz. vol. 195; p. 589.
- Railway-rail fastening. I. P. Althouse. No. 1,053,264; Feb. 18; Gaz. vol. 187; p. 562.
- Railway-rail fastening. J. O. Beckham. No. 1,059,517; Apr. 22; Gaz. vol. 189; p. 850.
- Railway-rail fastening. C. H. Batson. No. 1,069,756; Aug. 12; Gaz. vol. 193; p. 260.
- Railway-rail guard and gage. G. Komarek and G. R. Schleier. No. 1,058,762; Apr. 15; Gaz. vol. 189; p. 551.
- Railway-rail joint. W. J. McAdams. No. 1,054,013; Feb. 25; Gaz. vol. 187; p. 854.
- Railway-rail joint and brace. F. S. Jannett. No. 1,061,958; May 13; Gaz. vol. 190; p. 510.
- Railway-rail protector. E. Alcott. No. 1,061,967; May 20; Gaz. vol. 190; p. 555.
- Railway-rail spike. J. Kruttschnitt. No. 1,069,792; Aug. 12; Gaz. vol. 193; p. 272.
- Railway-rail support and coupling. C. C. Acker. No. 1,068,554; July 29; Gaz. vol. 192; p. 1046.
- Railway-rail tie. J. W. Eisenmann. No. 1,058,568; Apr. 8; Gaz. vol. 189; p. 447.
- Railway-rail tie and fastener. F. Holik. No. 1,081,615; Dec. 16; Gaz. vol. 197; p. 647.
- Railway-rail tie and rail-fastener. F. Holik. No. 1,060,903; May 6; Gaz. vol. 190; p. 118.
- Railway-rails, Anticreeper for. F. Quist. No. 1,055,079; Mar. 4; Gaz. vol. 188; p. 146.
- Railway-rails, Anticreeper for. C. W. Reinoehl and B. L. Weaver. No. 1,069,471; Aug. 5; Gaz. vol. 193; p. 135.
- Railway-rails, Anticreeper for. D. F. Vaughan. No. 1,071,116; Aug. 26; Gaz. vol. 193; p. 796.
- Railway-rails, Anticreeping device for. E. B. Powers. No. 1,078,951; Nov. 18; Gaz. vol. 196; p. 651.
- Railway-rails, Combination tie-plate and brace for. A. L. Cole. No. 1,062,694; May 27; Gaz. vol. 190; p. 840.
- Railway-rails, Cross-tie for. H. K. Fletcher. No. 1,083,077; Dec. 30; Gaz. vol. 197; p. 1209.

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- Railway-rails, Making. A. H. Moore. No. 1,074,089; Sept. 23; Gaz. vol. 194; p. 924.
- Railway-rails, Means for preventing the creeping of. L. W. Kent. No. 1,080,067; Dec. 2; Gaz. vol. 197; p. 52.
- Railway-rails, Mounting for. W. P. Davies. No. 1,075,200; Oct. 7; Gaz. vol. 195; p. 211.
- Railway-rails, Repairing. E. Thomson. No. 1,075,738; Oct. 14; Gaz. vol. 195; p. 423.
- Railway-rails to ties, Device for securing. E. J. Rosen-crans and H. Sanderson. No. 1,056,944; Mar. 25; Gaz. vol. 188; p. 876.
- Railway-rails to ties, Device for securing. E. J. Rosen-crans and H. Sanderson. No. 1,057,779; Apr. 1; Gaz. vol. 189; p. 130.
- Railway-rails to ties, Device for securing. E. Hudson. No. 1,064,649; June 10; Gaz. vol. 191; p. 540.
- Railway-rails upon the ties, Appliance for securing. F. G. Smith. No. 1,082,977; Dec. 30; Gaz. vol. 197; p. 1177.
- Railway road-bed. W. A. Hough. No. 1,073,046; Sept. 9; Gaz. vol. 194; p. 505.
- Railway-road-bed construction. M. Stankewicz. No. 1,051,170; Jan. 21; Gaz. vol. 186; p. 702.
- Railway rolling-stock and other vehicle. J. M. Holmes. No. 1,049,582; Jan. 7; Gaz. vol. 186; p. 92.
- Railway rolling-stock, Rail-stop for. J. H. Ball. No. 1,058,708; Apr. 15; Gaz. vol. 189; p. 531.
- Railway safety and signaling device. D. C. Newton. No. 1,073,510; Sept. 16; Gaz. vol. 194; p. 703.
- Railway safety apparatus. J. D. Nix. No. 1,069,165; Aug. 5; Gaz. vol. 193; p. 26.
- Railway safety apparatus, Street-. C. J. McKenzie. No. 1,056,198; Mar. 18; Gaz. vol. 188; p. 590.
- Railway safety appliance. C. A. Thorslend. No. 1,059,088; Apr. 15; Gaz. vol. 189; p. 666.
- Railway safety appliance. G. I. Ponder. No. 1,079,263; Nov. 18; Gaz. vol. 196; p. 759.
- Railway safety device. A. M. Jones. No. 1,058,437; Apr. 8; Gaz. vol. 189; p. 404.
- Railway safety device. S. G. Davis. No. 1,065,786; June 24; Gaz. vol. 191; p. 993.
- Railway safety device, Automatic. E. Unverricht. No. 1,050,316; Jan. 14; Gaz. vol. 186; p. 372.
- Railway safety device, Cable-. R. H. Williams. No. 1,055,249; Mar. 4; Gaz. vol. 188; p. 198.
- Railway safety device, Electric-. E. J. Dunne. No. 1,051,091; Jan. 21; Gaz. vol. 186; p. 676.
- Railway-service, Bumper-post for. J. F. O'Connor. No. 1,070,059; Aug. 12; Gaz. vol. 193; p. 362.
- Railway-signal. J. H. Fitzgerald. No. 1,049,351; Jan. 7; Gaz. vol. 186; p. 11.
- Railway-signal. A. Zukor. No. 1,053,691; Feb. 18; Gaz. vol. 187; p. 709.
- Railway-signal. C. H. Waddle and E. C. Robertson. No. 1,054,155; Feb. 25; Gaz. vol. 187; p. 902.
- Railway-signal. E. Jennings. No. 1,054,421; Feb. 25; Gaz. vol. 187; p. 995.
- Railway-signal. H. L. Funkhouser. No. 1,057,049; Mar. 25; Gaz. vol. 188; p. 912.
- Railway-signal. J. H. Body and F. T. Leftwich. No. 1,060,311; Apr. 29; Gaz. vol. 189; p. 1158.
- Railway-signal. C. Trahan. No. 1,060,798; May 6; Gaz. vol. 190; p. 79.
- Railway-signal. A. W. Bower. No. 1,063,325; June 3; Gaz. vol. 191; p. 52.
- Railway-signal. J. P. Coleman. No. 1,078,127; Nov. 11; Gaz. vol. 196; p. 335.
- Railway signal and stop, Automatic. A. T. Smith. No. 1,066,538; July 8; Gaz. vol. 192; p. 250.
- Railway-signal apparatus. D. Baker. No. 1,054,267; Feb. 25; Gaz. vol. 187; p. 940.
- Railway-signal, Automatic. D. J. Taylor and W. R. Pruitt. No. 1,064,396; June 10; Gaz. vol. 191; p. 455.
- Railway signal device. H. L. Craig. No. 1,081,892; Dec. 16; Gaz. vol. 197; p. 740.
- Railway-signal, Electric. H. J. and F. T. Jones. No. 1,063,691; June 3; Gaz. vol. 191; p. 181.
- Railway signal-fusée, Time-burning. I. Niditch. No. 1,068,267; July 22; Gaz. vol. 192; p. 911.
- Railway-signal post. C. F. Massey. No. 1,070,504; Aug. 19; Gaz. vol. 193; p. 559.
- Railway signal system. W. D. Nickum. No. 1,061,863; May 13; Gaz. vol. 190; p. 477.
- Railway signal system. J. Leitgeb. No. 1,071,669; Aug. 26; Gaz. vol. 193; p. 979.
- Railway signal system. D. Dale. No. 1,076,552; Oct. 21; Gaz. vol. 195; p. 732.
- Railway signaling. J. B. Struble. No. 1,055,683; Mar. 11; Gaz. vol. 188; p. 381.
- Railway signaling apparatus. W. J. Cook. No. 1,057,038; Mar. 25; Gaz. vol. 188; p. 909.
- Railway signaling apparatus, Electric. W. J. Cook. No. 1,056,402; Mar. 18; Gaz. vol. 188; p. 657.
- Railway signaling device. A. Stadler. No. 1,075,169; Oct. 7; Gaz. vol. 195; p. 199.
- Railway signaling, Semaphore for. R. B. Porter. No. 1,070,727; Aug. 19; Gaz. vol. 193; p. 633.
- Railway signaling system. A. Rioux. No. 1,051,262; Jan. 21; Gaz. vol. 186; p. 731.
- Railway signaling system. A. Rioux. No. 1,051,263; Jan. 21; Gaz. vol. 186; p. 732.
- Railway signaling system. A. Rioux. No. 1,051,264; Jan. 21; Gaz. vol. 186; p. 732.
- Railway signaling system. T. H. Patenall. No. 1,060,117; Apr. 29; Gaz. vol. 189; p. 1088.
- Railway signaling system. T. H. Patenall and H. S. Young. No. 1,060,118; Apr. 29; Gaz. vol. 189; p. 1089.
- Railway signaling system. J. S. Hobson and L. F. How-ard. No. 1,070,130; Aug. 12; Gaz. vol. 193; p. 387.
- Railway signaling system. A. L. Vencill. No. 1,076,176; Oct. 21; Gaz. vol. 195; p. 600.
- Railway signaling system. A. V. T. Day. No. 1,081,925; Dec. 16; Gaz. vol. 197; p. 751.
- Railway signaling system, Electric. F. P. Cremona. No. 1,065,114; June 17; Gaz. vol. 191; p. 729.
- Railway signaling systems, Housed track-contact for. B. F. Wooding. No. 1,069,089; July 29; Gaz. vol. 192; p. 1235.
- Railway-sleeper. O. E. Wetzler. No. 1,075,616; Oct. 14; Gaz. vol. 195; p. 382.
- Railway-spike. C. L. Fry. No. 1,051,212; Jan. 21; Gaz. vol. 186; p. 715.
- Railway-spike. B. C. Dillon. No. 1,051,703; Jan. 28; Gaz. vol. 186; p. 914.
- Railway-spike. C. W. Jones and R. R. Gordon. No. 1,059,875; Apr. 22; Gaz. vol. 189; p. 964.
- Railway-spike. C. G. Metzgar. No. 1,062,350; May 20; Gaz. vol. 190; p. 684.
- Railway-spike. L. Rathmacher. No. 1,067,879; July 22; Gaz. vol. 192; p. 778.
- Railway-spike. A. F. Gobin. No. 1,075,911; Oct. 14; Gaz. vol. 195; p. 482.
- Railway-spike. A. B. Baxter. No. 1,077,583; Nov. 4; Gaz. vol. 196; p. 119.
- Railway-spike. G. M. Brox and H. S. Knight. No. 1,077,970; Nov. 11; Gaz. vol. 196; p. 282.
- Railway-spike. H. E. Zacharias. No. 1,080,189; Dec. 2; Gaz. vol. 197; p. 94.
- Railway-spike holder. A. A. MacDonald. No. 1,052,603; Feb. 11; Gaz. vol. 187; p. 291.
- Railway-splice. P. O. Hause. No. 1,055,170; Mar. 4; Gaz. vol. 188; p. 173.
- Railway-splice. C. M. Miller. No. 1,076,638; Oct. 21; Gaz. vol. 195; p. 765.
- Railway-splice with fish-plates. O. A. Kunert and T. E. K. von Weidenheim. No. 1,079,866; Nov. 25; Gaz. vol. 196; p. 1000.
- Railway-station indicator. H. M. Van Demark. No. 1,053,330; Feb. 18; Gaz. vol. 187; p. 585.
- Railway structure, Pleasure-. J. A. Miller. (Reissue.) No. 13,588; July 1; Gaz. vol. 192; p. 195.
- Railway-switch. C. A. Langdon. No. 1,049,736; Jan. 7; Gaz. vol. 186; p. 142.
- Railway-switch. C. A. Langdon. No. 1,049,737; Jan. 7; Gaz. vol. 186; p. 143.
- Railway-switch. M. T. Hearn. No. 1,052,248; Feb. 4; Gaz. vol. 187; p. 140.
- Railway-switch. P. E. Beach. No. 1,054,492; Feb. 25; Gaz. vol. 187; p. 1018.
- Railway-switch. C. O. Anderson. No. 1,055,297; Mar. 4; Gaz. vol. 188; p. 214.
- Railway-switch. E. N. Strom. No. 1,056,470; Mar. 18; Gaz. vol. 188; p. 683.
- Railway-switch. H. V. Melick. No. 1,056,706; Mar. 18; Gaz. vol. 188; p. 764.
- Railway-switch. J. W. Hubbard. No. 1,057,345; Mar. 25; Gaz. vol. 188; p. 1011.
- Railway-switch. J. H. Laney. No. 1,064,499; June 10; Gaz. vol. 191; p. 490.
- Railway-switch. A. Schultz. No. 1,065,002; June 17; Gaz. vol. 191; p. 692.
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- Railway-switch. J. G. Fournier. No. 1,071,040; Aug. 26; Gaz. vol. 193; p. 770.
- Railway-switch. A. W. Rollings, J. H. Sweeney, O. T. Nelson, and T. T. Trentham. No. 1,071,798; Sept. 2; Gaz. vol. 194; p. 45.
- Railway-switch. C. A. Turner and A. B. Edwards. No. 1,077,017; Oct. 28; Gaz. vol. 195; p. 950.
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- Railway-switch. A. Lefebvre. No. 1,080,226; Dec. 2; Gaz. vol. 197; p. 107.
- Railway-switch, Automatic. L. Hassell. No. 1,053,596; Feb. 18; Gaz. vol. 187; p. 678.
- Railway-switch, Automatic. O. L. Lance. No. 1,058,374; Apr. 8; Gaz. vol. 189; p. 382.
- Railway-switch, Automatically-operated. J. E. Laing. No. 1,072,337; Sept. 2; Gaz. vol. 194; p. 224.
- Railway-switch construction. F. Wertz. No. 1,063,308; June 3; Gaz. vol. 191; p. 47.
- Railway-switch, Electric. D. W. Johnson. No. 1,051,812; Jan. 28; Gaz. vol. 186; p. 949.
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- Railway-switch mechanism. M. L. Shepherd. No. 1,079,889; Nov. 25; Gaz. vol. 196; p. 1007.
- Railway-switch-operating means. C. Phillips. No. 1,076,313; Oct. 21; Gaz. vol. 195; p. 648.
- Railway-switch-operating mechanism. D. Dockstader. No. 1,062,822; May 27; Gaz. vol. 190; p. 881.
- Railway-switch or the like. C. O. Anderson. No. 1,057,208; Mar. 25; Gaz. vol. 188; p. 967.
- Railway-switch stand. C. A. Alden. No. 1,050,416; Jan. 14; Gaz. vol. 186; p. 407.
- Railway-switch stand. H. L. Steinmann. No. 1,065,184; June 17; Gaz. vol. 191; p. 750.
- Railway switch. Street. R. B. Woodall. No. 1,056,245; Mar. 18; Gaz. vol. 188; p. 606.
- Railway switch. Street. A. V. Worthington. No. 1,068,831; July 29; Gaz. vol. 192; p. 1146.
- Railway switches, Circuit-controlling mechanism for electric. C. W. Squires. No. 1,080,730; Dec. 9; Gaz. vol. 197; p. 312.
- Railway system and handling traffic. A. L. Drum. No. 1,076,355; Oct. 21; Gaz. vol. 195; p. 663.
- Railway system, Third-rail electric. M. M. Marx. No. 1,063,206; June 3; Gaz. vol. 191; p. 13.
- Railway-tie. J. D. Liddell. No. 1,049,882; Jan. 7; Gaz. vol. 186; p. 191.
- Railway-tie. J. Caron. No. 1,049,991; Jan. 7; Gaz. vol. 186; p. 227.
- Railway-tie. J. F. McConnell. No. 1,050,368; Jan. 14; Gaz. vol. 186; p. 391.
- Railway-tie. C. Yeadicke. No. 1,050,708; Jan. 14; Gaz. vol. 186; p. 506.
- Railway-tie. A. T. Spears. No. 1,051,972; Feb. 4; Gaz. vol. 187; p. 43.
- Railway-tie. F. M. Arming and W. F. Hobson. No. 1,052,120; Feb. 4; Gaz. vol. 187; p. 96.
- Railway-tie. H. V. Slutz. No. 1,053,659; Feb. 18; Gaz. vol. 187; p. 697.
- Railway-tie. S. T. Stratton. No. 1,053,752; Feb. 18; Gaz. vol. 187; p. 731.
- Railway-tie. W. Dahl. No. 1,054,281; Feb. 25; Gaz. vol. 187; p. 945.
- Railway-tie. J. W. Illingworth. No. 1,054,418; Feb. 25; Gaz. vol. 187; p. 993.
- Railway-tie. F. Quist. No. 1,055,078; Mar. 4; Gaz. vol. 188; p. 145.
- Railway-tie. J. F. Hughes. No. 1,055,537; Mar. 11; Gaz. vol. 188; p. 332.
- Railway-tie. A. M. Broadwell. No. 1,057,031; Mar. 25; Gaz. vol. 188; p. 907.
- Railway-tie. H. A. Ekholm. No. 1,058,163; Apr. 8; Gaz. vol. 189; p. 308.
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- Railway-tie. J. W., Jr., and T. J. Clark and J. S. Wing. No. 1,059,033; Apr. 15; Gaz. vol. 189; p. 647.
- Railway-tie. J. O. Beckham. No. 1,059,518; Apr. 22; Gaz. vol. 189; p. 850.
- Railway-tie. H. Sanborn. No. 1,059,639; Apr. 22; Gaz. vol. 189; p. 888.
- Railway-tie. J. W. Corbin. No. 1,060,428; Apr. 29; Gaz. vol. 189; p. 1200.
- Railway-tie. E. C. Gallup. No. 1,063,023; May 27; Gaz. vol. 190; p. 947.
- Railway-tie. R. Maloney. No. 1,063,049; May 27; Gaz. vol. 190; p. 956.
- Railway-tie. C. W. Glosop. No. 1,063,195; June 3; Gaz. vol. 191; p. 10.
- Railway-tie. C. H. Summerson. No. 1,063,300; June 3; Gaz. vol. 191; p. 44.
- Railway-tie. J. B. Finch. No. 1,063,524; June 3; Gaz. vol. 191; p. 119.
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- Railway-tie. J. H. Messner. No. 1,065,827; June 24; Gaz. vol. 191; p. 1006.
- Railway-tie. J. N. Schwalen. No. 1,065,846; June 24; Gaz. vol. 191; p. 1013.
- Railway-tie. J. J. Gallaher. No. 1,066,098; July 1; Gaz. vol. 192; p. 68.
- Railway-tie. W. E. O'Brien and E. J. Quinn. No. 1,066,520; July 8; Gaz. vol. 192; p. 244.
- Railway-tie. R. Serafin. No. 1,068,456; July 29; Gaz. vol. 192; p. 1015.
- Railway-tie. W. A. O. Jones. No. 1,069,142; Aug. 5; Gaz. vol. 193; p. 18.
- Railway-tie. G. I. Battelle. No. 1,069,314; Aug. 5; Gaz. vol. 193; p. 78.
- Railway-tie. W. G. Coulter. No. 1,069,532; Aug. 5; Gaz. vol. 193; p. 154.
- Railway-tie. J. H. Akin. No. 1,069,637; Aug. 5; Gaz. vol. 193; p. 189.
- Railway-tie. F. F. Green. No. 1,069,779; Aug. 12; Gaz. vol. 193; p. 267.
- Railway-tie. J. B. Link. No. 1,070,270; Aug. 12; Gaz. vol. 193; p. 435.
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- Railway-tie. L. Blessing. No. 1,071,291; Aug. 26; Gaz. vol. 193; p. 854.
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- Railway-tie. W. C. Welt. No. 1,071,674; Aug. 26; Gaz. vol. 193; p. 980.
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- Railway-tie. G. S. Myers. No. 1,074,062; Sept. 23; Gaz. vol. 194; p. 914.
- Railway-tie. G. W. Maskrey. No. 1,074,636; Oct. 7; Gaz. vol. 195; p. 17.
- Railway-tie. H. L. Hollis. No. 1,076,577; Oct. 21; Gaz. vol. 195; p. 742.
- Railway-tie. J. K. Grant. No. 1,077,341; Nov. 4; Gaz. vol. 196; p. 35.
- Railway-tie. C. Allerton. No. 1,078,596; Nov. 11; Gaz. vol. 196; p. 497.
- Railway-tie. J. P. Donovan. No. 1,078,666; Nov. 18; Gaz. vol. 196; p. 552.
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- Railway-tie. F. M. Crossley. No. 1,079,638; Nov. 25; Gaz. vol. 196; p. 919.
- Railway-tie. P. E. I'ero. No. 1,080,473; Dec. 2; Gaz. vol. 197; p. 194.
- Railway-tie. S. Baughman. No. 1,081,086; Dec. 9; Gaz. vol. 197; p. 432.
- Railway-tie. E. Fritsch. No. 1,081,666; Dec. 16; Gaz. vol. 197; p. 663.
- Railway-tie. A. Bernier. No. 1,082,674; Dec. 30; Gaz. vol. 197; p. 1072.
- Railway-tie. D. Stevens. No. 1,083,037; Dec. 30; Gaz. vol. 197; p. 1195.
- Railway tie and bed. M. W. Tebyricá. No. 1,066,767; July 8; Gaz. vol. 192; p. 332.
- Railway-tie and brace. E. Borger. No. 1,066,073; July 1; Gaz. vol. 192; p. 60.
- Railway-tie and clamp, Combination. J. T. McGonigal. No. 1,073,773; Sept. 23; Gaz. vol. 194; p. 819.
- Railway-tie and fastener. J. M. Fleming. No. 1,060,446; Apr. 29; Gaz. vol. 189; p. 1206.
- Railway-tie and fastener. F. Pongratz. No. 1,078,642; Nov. 18; Gaz. vol. 196; p. 544.
- Railway-tie and fastener. J. R. Watson and R. M. Liston. No. 1,079,677; Nov. 25; Gaz. vol. 196; p. 932.
- Railway-tie and fastening. J. C. Anderson and D. F. Collins. No. 1,059,514; Apr. 22; Gaz. vol. 189; p. 849.
- Railway-tie and fastening device. R. C. Watson. No. 1,057,309; Mar. 25; Gaz. vol. 188; p. 1000.
- Railway-tie and fastening device. J. C. Thatcher. No. 1,058,495; Apr. 8; Gaz. vol. 189; p. 422.
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- Railway-tie and plate. C. H. West. No. 1,059,582; Apr. 22; Gaz. vol. 189; p. 871.
- Railway-tie and rail-chair. G. H. Shane. No. 1,067,762; July 15; Gaz. vol. 192; p. 704.
- Railway-tie and rail-chair. G. H. Shane. No. 1,082,827; Dec. 30; Gaz. vol. 197; p. 1126.
- Railway-tie and rail-fastener. A. E. Warner. No. 1,051,037; Jan. 21; Gaz. vol. 186; p. 657.
- Railway-tie and rail-fastener. E. W. Gates. No. 1,074,942; Oct. 7; Gaz. vol. 195; p. 120.
- Railway-tie and rail-fastener, Combined. H. A. Berquist. No. 1,052,307; Feb. 4; Gaz. vol. 187; p. 158.
- Railway-tie and rail-fastener, Composite. G. J. Fleissner. No. 1,069,120; Aug. 5; Gaz. vol. 193; p. 11.
- Railway-tie and rail-fastener, Metallic. W. E. Pugsley. No. 1,054,869; Mar. 4; Gaz. vol. 188; p. 75.
- Railway-tie and rail-fastening. J. A. Hyle and W. R. Carmody. No. 1,058,434; Apr. 8; Gaz. vol. 189; p. 403.
- Railway-tie and rail-fastening. J. A. Hyle. No. 1,058,435; Apr. 8; Gaz. vol. 189; p. 403.
- Railway-tie and rail-fastening. J. A. Hyle. No. 1,065,686; June 24; Gaz. vol. 191; p. 960.
- Railway-tie and rail-fastening, Combined. T. P. Horger. No. 1,056,543; Mar. 18; Gaz. vol. 188; p. 709.
- Railway-tie and rail-fastening device. G. J. Clark. No. 1,063,775; June 3; Gaz. vol. 191; p. 209.
- Railway-tie and rail-fastening, Metal. A. J. Hathcox. No. 1,071,413; Aug. 26; Gaz. vol. 193; p. 895.
- Railway-tie and rail-seat. J. M. Halfpenny. No. 1,062,459; May 20; Gaz. vol. 190; p. 720.
- Railway-tie and rail-seat, Combined metallic. J. H. Messner. No. 1,058,012; Apr. 1; Gaz. vol. 189; p. 211.
- Railway-tie and securing means therefor, Metallic. J. Cosgrove. No. 1,070,779; Aug. 19; Gaz. vol. 193; p. 651.

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- Railway-tie, Composition. F. P. Gilbert. No. 1,066,598; July 8; Gaz. vol. 192; p. 272.
- Railway-tie, Concrete. J. F. Schomer. No. 1,081,702; Dec. 16; Gaz. vol. 197; p. 675.
- Railway-tie fastener. I. B. Wallace. No. 1,072,281; Sept. 2; Gaz. vol. 194; p. 206.
- Railway-tie fastening. C. H. Morgan and J. G. Snyder. No. 1,050,285; Jan. 14; Gaz. vol. 186; p. 361.
- Railway-tie, Metal. W. H. Higgins. No. 1,056,025; Mar. 18; Gaz. vol. 188; p. 531.
- Railway-tie, Metal. H. T. Hickerson. No. 1,060,184; Apr. 29; Gaz. vol. 189; p. 1113.
- Railway-tie, Metal. M. E. Hogan. No. 1,064,484; June 10; Gaz. vol. 191; p. 486.
- Railway-tie, Metal. J. Moodie. No. 1,066,134; July 1; Gaz. vol. 192; p. 81.
- Railway-tie, Metal. E. J. Pettegrew. No. 1,066,943; July 8; Gaz. vol. 192; p. 391.
- Railway-tie, Metal. J. Griffin. No. 1,071,665; Aug. 26; Gaz. vol. 193; p. 978.
- Railway-tie, Metal. C. Van Deusen. No. 1,077,656; Nov. 4; Gaz. vol. 196; p. 143.
- Railway-tie, Metal-reinforced. J. F. Lahart. No. 1,071,161; Aug. 26; Gaz. vol. 193; p. 810.
- Railway-tie, Metallic. H. Boyd. No. 1,049,985; Jan. 7; Gaz. vol. 186; p. 225.
- Railway-tie, Metallic. F. F. Green. No. 1,050,271; Jan. 14; Gaz. vol. 186; p. 357.
- Railway-tie, Metallic. S. Shoemaker. No. 1,053,656; Feb. 18; Gaz. vol. 187; p. 697.
- Railway-tie, Metallic. S. Shoemaker. No. 1,053,885; Feb. 18; Gaz. vol. 187; p. 773.
- Railway-tie, Metallic. L. W. Abbott. No. 1,054,660; Mar. 4; Gaz. vol. 188; p. 3.
- Railway-tie, Metallic. C. F. Mobley. No. 1,056,201; Mar. 18; Gaz. vol. 188; p. 591.
- Railway-tie, Metallic. J. A. Widner. No. 1,058,506; Apr. 8; Gaz. vol. 189; p. 427.
- Railway-tie, Metallic. W. D. Forsyth. No. 1,059,960; Apr. 22; Gaz. vol. 189; p. 994.
- Railway-tie, Metallic. W. Imhoff. No. 1,061,294; May 13; Gaz. vol. 190; p. 286.
- Railway-tie, Metallic. J. H. Cox. No. 1,062,891; May 27; Gaz. vol. 190; p. 905.
- Railway-tie, Metallic. F. J. Schisler. No. 1,063,471; June 3; Gaz. vol. 191; p. 101.
- Railway-tie, Metallic. V. G. Tornquest. No. 1,070,305; Aug. 12; Gaz. vol. 193; p. 448.
- Railway-tie, Metallic. W. H. Proctor. No. 1,074,014; Sept. 23; Gaz. vol. 194; p. 899.
- Railway-tie, Metallic. S. B. Elkins, Jr. No. 1,079,936; Dec. 2; Gaz. vol. 197; p. 5.
- Railway-tie, Metallic. H. J. Downey. No. 1,083,064; Dec. 30; Gaz. vol. 197; p. 1204.
- Railway-tie plate. M. Leonard. No. 1,050,670; Jan. 14; Gaz. vol. 186; p. 494.
- Railway-tie plate. J. W. Chapman. No. 1,067,305; July 15; Gaz. vol. 192; p. 551.
- Railway-tie plate. J. Callan. No. 1,068,315; July 22; Gaz. vol. 192; p. 927.
- Railway-tie plate. J. W. Kendrick. No. 1,077,720; Nov. 4; Gaz. vol. 196; p. 163.
- Railway-tie plate. A. Saari. No. 1,082,471; Dec. 23; Gaz. vol. 197; p. 966.
- Railway-tie plate and rail-fastener. R. H. Bitter and D. C. Stephenson. No. 1,071,867; Sept. 2; Gaz. vol. 194; p. 68.
- Railway-tie plugs, Machine for making. J. W. Kendrick. No. 1,063,697; June 3; Gaz. vol. 191; p. 184.
- Railway-tie renewer. J. R. Smith. No. 1,081,162; Dec. 9; Gaz. vol. 197; p. 458.
- Railway-tie, Steel. H. R. Vensel. No. 1,063,927; June 3; Gaz. vol. 191; p. 260.
- Railway-tie structure. O. P. Megahan. No. 1,067,827; July 22; Gaz. vol. 192; p. 761.
- Railway-tie structure. O. P. Megahan. No. 1,067,828; July 22; Gaz. vol. 192; p. 761.
- Railway-ties, Apparatus for preparing. J. W. Kendrick. No. 1,068,666; July 29; Gaz. vol. 192; p. 1087.
- Railway-ties, Device for removing and replacing. W. S. A. Wilder. No. 1,078,182; Nov. 11; Gaz. vol. 196; p. 354.
- Railway-ties, &c., Machine for barking. H. L. Galloway. No. 1,075,776; Oct. 14; Gaz. vol. 195; p. 435.
- Railway-ties, Shoe for. F. Still. No. 1,077,173; Oct. 28; Gaz. vol. 195; p. 998.
- Railway tongue-switch. M. J. Henahan. No. 1,060,183; Apr. 29; Gaz. vol. 189; p. 1112.
- Railway-track. F. K. Holmsted. No. 1,075,104; Oct. 7; Gaz. vol. 195; p. 177.
- Railway-track. F. K. Holmsted. No. 1,075,105; Oct. 7; Gaz. vol. 195; p. 178.
- Railway-track. F. K. Holmsted. No. 1,077,070; Oct. 28; Gaz. vol. 195; p. 968.
- Railway-track anchor. L. F. Lorenzi. No. 1,057,969; Apr. 1; Gaz. vol. 189; p. 196.
- Railway-track construction. J. W. Lewis. No. 1,050,475; Jan. 14; Gaz. vol. 186; p. 429.
- Railway-track construction. S. Leeco. No. 1,054,852; Mar. 4; Gaz. vol. 188; p. 69.
- Railway-track construction. W. H. Morgan. No. 1,072,761; Sept. 9; Gaz. vol. 194; p. 401.
- Railway-track constructions, Tie-plate for. W. Whigham. No. 1,059,799; Apr. 22; Gaz. vol. 189; p. 942.
- Railway-track device. E. Laas and H. H. Spontenburg. No. 1,077,353; Nov. 4; Gaz. vol. 196; p. 39.
- Railway-track jacks, Roller for. W. R. and C. F. Funk. No. 1,075,559; Oct. 14; Gaz. vol. 195; p. 362.
- Railway track-motor. E. W. Hoover and J. A. Coleman. No. 1,075,420; Oct. 14; Gaz. vol. 195; p. 314.
- Railway-track rail-brace. A. M. Barfield. No. 1,066,782; July 8; Gaz. vol. 192; p. 337.
- Railway-track structure. H. M. Coulter. No. 1,076,748; Oct. 28; Gaz. vol. 195; p. 855.
- Railway-tracks, Machine for cutting grass from. F. W. Wallace. No. 1,051,933; Feb. 4; Gaz. vol. 187; p. 29.
- Railway-traffic-controlling devices, System for electrically controlling and operating. H. B. Taylor. No. 1,077,895; Nov. 4; Gaz. vol. 196; p. 224.
- Railway-traffic-controlling system. F. L. Dodgson. No. 1,076,631; Oct. 21; Gaz. vol. 196; p. 761.
- Railway train control and signal system, Double-track. F. A. Pierce. No. 1,082,095; Dec. 23; Gaz. vol. 197; p. 839.
- Railway-train-control apparatus. J. T. Thompson. No. 1,068,023; July 22; Gaz. vol. 192; p. 826.
- Railway-train safety device. W. F. Greene. No. 1,064,142; June 10; Gaz. vol. 191; p. 368.
- Railway-train signal or control mechanism. J. T. Thompson. No. 1,068,024; July 22; Gaz. vol. 192; p. 827.
- Railway-trains, Safety device for. S. Kimelman. No. 1,068,249; July 22; Gaz. vol. 192; p. 905.
- Railway-vehicle coupling. G. Johnston. No. 1,058,753; Apr. 15; Gaz. vol. 189; p. 548.
- Railway-vehicles for the purpose of preventing the passing of signals when at danger, Apparatus on. J. P. de Braam. No. 1,064,701; June 17; Gaz. vol. 191; p. 594.
- Railways and the like, Manufacture of track structures for. R. A. Hadfield. No. 1,058,967; Apr. 15; Gaz. vol. 189; p. 624.
- Railways, Automatic block-signaling system for electric. S. M. Young. No. 1,082,840; Dec. 30; Gaz. vol. 197; p. 1130.
- Railways, Automatic control system for electric. B. F. Hutches, Jr. No. 1,082,956; Dec. 30; Gaz. vol. 197; p. 1169.
- Railways, Electric signaling on. G. H. Brown. No. 1,072,404; Sept. 2; Gaz. vol. 194; p. 250.
- Railways, Electric signaling on. H. Brown. No. 1,072,567; Sept. 9; Gaz. vol. 194; p. 336.
- Railways, Electric train-controlled system for. F. T. Jones. No. 1,072,383; Sept. 2; Gaz. vol. 194; p. 241.
- Railways, Handle-bar mechanism for pleasure. J. A. Miller. No. 1,062,839; May 27; Gaz. vol. 190; p. 887.
- Railways, Overhead construction for electric. E. E. Gilmore. No. 1,050,643; Jan. 14; Gaz. vol. 186; p. 485.
- Railways, Safety transport device for mountain. A. Gramling. No. 1,062,454; May 20; Gaz. vol. 190; p. 718.
- Railways, Shoe or skate for electric. A. W. Barnhart. No. 1,080,410; Dec. 2; Gaz. vol. 197; p. 174.
- Railways, Signaling and telephone system for. W. J. Bailey. No. 1,073,018; Sept. 9; Gaz. vol. 194; p. 496.
- Rain-maker. J. G. Potts. No. 1,053,133; Feb. 11; Gaz. vol. 187; p. 474.
- Rain-spout or conducting-pipe. L. Giclas. No. 1,071,411; Aug. 26; Gaz. vol. 193; p. 895.
- Raisin feeder and assorter. W. Pike and J. Porteous. No. 1,070,984; Aug. 19; Gaz. vol. 193; p. 716.
- Rake. See Dumping-rake; Garden-rake; Hand-rake; Hay-rake; Horse-rake; Lawn-rake; Sweep-rake.
- Rake. J. H. Bryan. No. 1,055,131; Mar. 4; Gaz. vol. 188; p. 162.
- Rake. J. R. Schoonmaker. No. 1,059,489; Apr. 22; Gaz. vol. 189; p. 841.
- Rake. J. C. Kendrick. No. 1,066,283; July 1; Gaz. vol. 192; p. 136.
- Rake. D. R. McClure, Jr. No. 1,073,771; Sept. 23; Gaz. vol. 194; p. 818.
- Rake. T. and E. G. Whitted. No. 1,078,231; Nov. 11; Gaz. vol. 196; p. 371.
- Rake. W. J. Price. No. 1,079,264; Nov. 18; Gaz. vol. 196; p. 759.
- Rake and fork, Combined. J. R. Kelly. No. 1,062,241; May 20; Gaz. vol. 190; p. 648.
- Rake and pitchfork, Combined. P. B. Breeden. No. 1,061,217; May 6; Gaz. vol. 190; p. 224.
- Rake attachment. G. W. Dillon. No. 1,049,823; Jan. 7; Gaz. vol. 186; p. 172.
- Rake attachment. D. Salget. No. 1,058,470; Apr. 8; Gaz. vol. 189; p. 414.
- Rake-cleaner. N. T. Wheeler. No. 1,070,214; Aug. 12; Gaz. vol. 193; p. 417.
- Rake fender, Hay-. E. N. Smith. No. 1,080,125; Dec. 2; Gaz. vol. 197; p. 73.
- Rake, scoop, and scraper, Combination. M. W. Smith. No. 1,050,306; Jan. 14; Gaz. vol. 186; p. 368.

Alphabetical list of inventions—Continued.

- Rakes, Hay-buncher for attachment to horse-. W. Weaver. No. 1,055,580; Mar. 11; Gaz. vol. 188; p. 346.
- Raking and loading material such as hay and the like, Machine for. R. Chaix. No. 1,076,452; Oct. 21; Gaz. vol. 195; p. 694.
- Raking device, Cutter-bar. J. J. Leach. No. 1,080,568; Dec. 9; Gaz. vol. 197; p. 258.
- Ram, Hydraulic. W. R. Phillips. No. 1,069,285; Aug. 5; Gaz. vol. 193; p. 69.
- Ram, Hydraulic. S. M. Stevens. No. 1,077,315; Nov. 4; Gaz. vol. 196; p. 26.
- Ramming apparatus, Reversing mechanism for roll. H. P. Macdonald. No. 1,074,882; Oct. 7; Gaz. vol. 195; p. 100.
- Ramming apparatus, Roll. H. P. Macdonald. No. 1,076,683; Oct. 28; Gaz. vol. 195; p. 832.
- Ramie-stalks in the dry state, Machine for removing the wood from. E. Coulon. No. 1,054,753; Mar. 4; Gaz. vol. 188; p. 34.
- Ramie-stalks in the green state, Machine for removing wood from. E. Coulon. No. 1,054,752; Mar. 4; Gaz. vol. 188; p. 34.
- Range. C. M. Genthner. No. 1,054,193; Feb. 25; Gaz. vol. 187; p. 916.
- Range. N. Guthrie. No. 1,057,144; Mar. 25; Gaz. vol. 188; p. 946.
- Range. C. M. Genthner. No. 1,059,047; Apr. 15; Gaz. vol. 189; p. 651.
- Range. F. P. Neal. No. 1,062,991; May 27; Gaz. vol. 190; p. 937.
- Range and stove. E. C. Cole. No. 1,064,614; June 10; Gaz. vol. 191; p. 528.
- Range and stove attachment. J. J. Griffith. No. 1,067,731; July 15; Gaz. vol. 192; p. 695.
- Range and stove, Cooking. J. J. Cartwright. No. 1,069,918; Aug. 12; Gaz. vol. 193; p. 315.
- Range, Combined coal and gas. P. Becker. No. 1,078,896; Nov. 18; Gaz. vol. 196; p. 633.
- Range, Cooking-. J. J. Cartwright. No. 1,060,228; Apr. 29; Gaz. vol. 189; p. 1128.
- Range, Cooking-. F. Hofmeister. No. 1,066,903; July 8; Gaz. vol. 192; p. 377.
- Range, Cooking-. F. De Angelis. No. 1,072,097; Sept. 2; Gaz. vol. 194; p. 146.
- Range, Cooking-. J. E. Daniel. No. 1,078,722; Nov. 18; Gaz. vol. 196; p. 573.
- Range, Gas-. J. A. Alexander and F. K. Berry. No. 1,060,573; May 6; Gaz. vol. 190; p. 3.
- Range, Gas-. J. A. Alexander and F. K. Berry. No. 1,070,097; Aug. 12; Gaz. vol. 193; p. 377.
- Range, Gas-. W. Denby. No. 1,072,582; Sept. 9; Gaz. vol. 194; p. 341.
- Range-finder carriage. V. J. Odhner. No. 1,068,159; July 22; Gaz. vol. 192; p. 873.
- Range, Kitchen-. W. R. K. Stanford. No. 1,061,699; May 13; Gaz. vol. 190; p. 428.
- Range, Portable gas-. W. L. Hall and R. F. George. No. 1,072,113; Sept. 2; Gaz. vol. 194; p. 152.
- Range, Take-down cook-. G. Frazer. No. 1,062,450; May 20; Gaz. vol. 190; p. 717.
- Range-transmitter. J. L. Hall. No. 1,077,706; Nov. 4; Gaz. vol. 196; p. 159.
- Ranges, Apparatus for determining. C. Davis. No. 1,063,862; June 3; Gaz. vol. 191; p. 236.
- Ranges, Automatic cut-off for gas-. C. Bargamin. No. 1,075,322; Oct. 14; Gaz. vol. 195; p. 279.
- Ranges, Water-reservoir for. L. Scruggs. No. 1,063,944; June 3; Gaz. vol. 191; p. 265.
- Rasp or file. J. V. B. Parkes. No. 1,053,639; Feb. 18; Gaz. vol. 187; p. 691.
- Rat-exterminator, Electric. H. A. Gentzel. No. 1,072,222; Sept. 2; Gaz. vol. 194; p. 188.
- Rat-trap. A. Dombowski. No. 1,055,890; Mar. 11; Gaz. vol. 188; p. 451.
- Rat-trap. F. Csiszarik. No. 1,066,888; July 8; Gaz. vol. 192; p. 372.
- Rat-trap. G. R. Adams. No. 1,072,375; Sept. 2; Gaz. vol. 194; p. 239.
- Rat-trap. W. J. G. Young. No. 1,074,998; Oct. 7; Gaz. vol. 195; p. 139.
- Rat-trap, Electric. B. F. Ash. No. 1,056,620; Mar. 18; Gaz. vol. 188; p. 734.
- Rat-trap, Electric. C. W. Griffith. No. 1,059,358; Apr. 22; Gaz. vol. 189; p. 794.
- Rat-trap, Electric. C. W. Beardsley. No. 1,074,770; Oct. 7; Gaz. vol. 195; p. 63.
- Rat-trap, Electric. J. Regecz. No. 1,075,669; Oct. 14; Gaz. vol. 195; p. 399.
- Rat-trap for use on ships' hawsers. H. L. Worthington. No. 1,052,547; Feb. 11; Gaz. vol. 187; p. 272.
- Ratan-scraper. H. Meier. No. 1,079,056; Nov. 18; Gaz. vol. 196; p. 690.
- Ratchet. T. Brocklebank. No. 1,063,770; June 3; Gaz. vol. 191; p. 208.
- Ratchet. E. S. Miller. No. 1,065,163; June 17; Gaz. vol. 191; p. 744.
- Ratchet-braces, Adjustable rest for. F. X. Des Rivières. No. 1,057,776; Apr. 1; Gaz. vol. 189; p. 129.
- Ratchet, Double-action. J. W. Skinner. No. 1,051,021; Jan. 21; Gaz. vol. 186; p. 651.
- Ratchet-drill. P. Peterson. No. 1,067,672; July 15; Gaz. vol. 192; p. 676.
- Ratchet-drill. E. C. McMillan. No. 1,069,714; Aug. 12; Gaz. vol. 193; p. 245.
- Ratchet mechanism. P. C. Conte. No. 1,072,313; Sept. 2; Gaz. vol. 194; p. 217.
- Ratchet mechanism. H. C. Beckwith and O. B. Bjorge. No. 1,082,842; Dec. 30; Gaz. vol. 197; p. 1130.
- Ratchet mechanism, Double-acting. B. H. Paugh. No. 1,049,389; Jan. 7; Gaz. vol. 186; p. 24.
- Ratchet-wrench. O. Stenersen. No. 1,050,312; Jan. 14; Gaz. vol. 186; p. 371.
- Ratchet-wrench. W. A. Whitney. No. 1,050,583; Jan. 14; Gaz. vol. 186; p. 466.
- Ratchet-wrench. C. O. Osha and H. L. Douglas. No. 1,053,432; Feb. 18; Gaz. vol. 187; p. 621.
- Ratchet-wrench. C. E. Bonine. No. 1,053,703; Feb. 18; Gaz. vol. 187; p. 714.
- Ratchet-wrench. L. S. Starrett and J. A. Adell. No. 1,056,848; Mar. 25; Gaz. vol. 188; p. 842.
- Ratchet-wrench. C. E. Waterworth. No. 1,057,903; Apr. 1; Gaz. vol. 189; p. 174.
- Ratchet-wrench. W. T. Sayre. No. 1,058,795; Apr. 15; Gaz. vol. 189; p. 562.
- Ratchet-wrench. J. E. Hitt. No. 1,060,185; Apr. 29; Gaz. vol. 189; p. 1113.
- Ratchet-wrench. W. Winkle. No. 1,060,874; May 6; Gaz. vol. 190; p. 107.
- Ratchet-wrench. F. Bisch. No. 1,062,140; May 20; Gaz. vol. 190; p. 614.
- Ratchet-wrench. W. Hanning and M. Nicholas. No. 1,077,137; Oct. 28; Gaz. vol. 195; p. 987.
- Ratchet-wrench. L. W. Hoover. No. 1,081,117; Dec. 9; Gaz. vol. 197; p. 443.
- Rawhide and the product resulting therefrom, Treating. A. H. Henderson. No. 1,074,360; Sept. 30; Gaz. vol. 194; p. 1043.
- Razor. G. D. De Lorenzo. No. 1,056,404; Mar. 18; Gaz. vol. 188; p. 658.
- Razor. A. W. Proctor. No. 1,057,272; Mar. 25; Gaz. vol. 188; p. 989.
- Razor. H. P. McMillan. No. 1,058,318; Apr. 8; Gaz. vol. 189; p. 362.
- Razor. J. J. Williams. No. 1,059,016; Apr. 15; Gaz. vol. 189; p. 642.
- Razor. M. F. Smith. No. 1,064,101; June 10; Gaz. vol. 191; p. 353.
- Razor, Adjustable safety-. J. Moore. No. 1,058,082; Apr. 8; Gaz. vol. 189; p. 279.
- Razor and guard therefor. A. Oberheim. No. 1,077,545; Nov. 4; Gaz. vol. 196; p. 107.
- Razor-blade. H. J. Gaisman. No. 1,060,245; Apr. 29; Gaz. vol. 189; p. 1134.
- Razor-blade holder. J. A. Cardinell. No. 1,064,886; June 17; Gaz. vol. 191; p. 654.
- Razor-blade holder, Safety-. E. James. No. 1,064,652; June 10; Gaz. vol. 191; p. 541.
- Razor-blade holder, Safety-. B. F. Stamm. No. 1,077,171; Oct. 28; Gaz. vol. 195; p. 997.
- Razor-blade-honing apparatus. C. G. Maréchal. No. 1,070,051; Aug. 12; Gaz. vol. 193; p. 360.
- Razor-blade honing-support. F. A. Neider. No. 1,054,361; Feb. 25; Gaz. vol. 187; p. 973.
- Razor-blade receptacle, Safety-. R. T. Winn. No. 1,057,387; Mar. 25; Gaz. vol. 188; p. 1025.
- Razor-blades or the like, Device for stropping or sharpening. W. J. Myatt. No. 1,061,772; May 13; Gaz. vol. 190; p. 449.
- Razor, Electric safety-. S. W. Moon. No. 1,072,634; Sept. 9; Gaz. vol. 194; p. 357.
- Razor-frame cleaner, Safety-. H. Dombrink. No. 1,059,044; Apr. 15; Gaz. vol. 189; p. 651.
- Razor-guard. O. E. Crater. No. 1,060,166; Apr. 29; Gaz. vol. 189; p. 1106.
- Razor-guard. W. L. King. No. 1,081,123; Dec. 9; Gaz. vol. 197; p. 444.
- Razor honing and stropping machine. C. A. Mann and E. Gnoeth. No. 1,059,180; Apr. 15; Gaz. vol. 189; p. 697.
- Razor, Rotary safety-. G. N. Moore. No. 1,068,068; July 22; Gaz. vol. 192; p. 842.
- Razor, Safety-. G. F. Paul. No. 1,049,909; Jan. 7; Gaz. vol. 186; p. 200.
- Razor, Safety-. W. C. Finney. No. 1,051,094; Jan. 21; Gaz. vol. 186; p. 677.
- Razor, Safety-. E. A. Cole. No. 1,051,389; Jan. 28; Gaz. vol. 186; p. 808.
- Razor, Safety-. J. R. Conklin. No. 1,052,039; Feb. 4; Gaz. vol. 187; p. 68.
- Razor, Safety-. L. Kalina. No. 1,052,346; Feb. 4; Gaz. vol. 187; p. 171.
- Razor, Safety-. O. A. En Holm. No. 1,053,089; Feb. 11; Gaz. vol. 187; p. 458.
- Razor, Safety-. D. Hepp. No. 1,055,039; Mar. 4; Gaz. vol. 188; p. 132.
- Razor, Safety-. L. Hiener. No. 1,057,644; Apr. 1; Gaz. vol. 189; p. 85.
- Razor, Safety-. O. Kampfe. No. 1,059,333; Apr. 15; Gaz. vol. 189; p. 749.

Alphabetical list of inventions—Continued.

- Razor, Safety-. G. F. Rich. No. 1,059,487; Apr. 22; Gaz. vol. 189; p. 840.
- Razor, Safety-. G. H. Tuttle. No. 1,059,648; Apr. 22; Gaz. vol. 189; p. 892.
- Razor, Safety-. B. vom Eigen. No. 1,059,662; Apr. 22; Gaz. vol. 189; p. 896.
- Razor, Safety-. M. C. Sharpneck. No. 1,059,774; Apr. 22; Gaz. vol. 189; p. 934.
- Razor, Safety-. E. N. Humphrey. No. 1,060,904; May 6; Gaz. vol. 190; p. 118.
- Razor, Safety-. C. G. Bluh. No. 1,061,159; May 6; Gaz. vol. 190; p. 204.
- Razor, Safety-. B. L. Premo. No. 1,061,324; May 13; Gaz. vol. 190; p. 296.
- Razor, Safety-. L. H. Cobb. (Reissue.) No. 13,563; May 20; Gaz. vol. 190; p. 760.
- Razor, Safety-. L. J. Fay. No. 1,063,021; May 27; Gaz. vol. 190; p. 947.
- Razor, Safety-. C. E. Dunn. No. 1,064,457; June 10; Gaz. vol. 191; p. 477.
- Razor, Safety-. M. G. Bunnell. No. 1,065,109; June 17; Gaz. vol. 191; p. 727.
- Razor, Safety-. E. N. Humphrey and F. S. Goodrich. No. 1,066,497; July 8; Gaz. vol. 192; p. 236.
- Razor, Safety-. H. H. Boyce. No. 1,066,703; July 8; Gaz. vol. 192; p. 310.
- Razor, Safety-. W. J. Bauer. No. 1,067,393; July 15; Gaz. vol. 192; p. 580.
- Razor, Safety-. F. Kiko. No. 1,068,247; July 22; Gaz. vol. 192; p. 904.
- Razor, Safety-. A. J. Postans. No. 1,069,465; Aug. 5; Gaz. vol. 193; p. 132.
- Razor, Safety-. T. Bumann. No. 1,069,523; Aug. 5; Gaz. vol. 193; p. 151.
- Razor, Safety-. T. A. Bell. No. 1,069,668; Aug. 12; Gaz. vol. 193; p. 229.
- Razor, Safety-. F. C. Traylor. No. 1,069,831; Aug. 12; Gaz. vol. 193; p. 286.
- Razor, Safety-. L. Sieven. No. 1,071,593; Aug. 26; Gaz. vol. 193; p. 954.
- Razor, Safety-. W. H. Crichton-Clarke. No. 1,071,711; Sept. 2; Gaz. vol. 194; p. 13.
- Razor, Safety-. E. E. Rogers. No. 1,072,506; Sept. 9; Gaz. vol. 194; p. 313.
- Razor, Safety-. C. L. Springer. No. 1,072,785; Sept. 9; Gaz. vol. 194; p. 411.
- Razor, Safety-. D. E. Lochman. No. 1,074,126; Sept. 30; Gaz. vol. 194; p. 966.
- Razor, Safety-. A. G. Wormser. No. 1,074,149; Sept. 30; Gaz. vol. 194; p. 973.
- Razor, Safety-. V. W. Sipes. No. 1,075,606; Oct. 14; Gaz. vol. 195; p. 379.
- Razor, Safety-. E. N. Humphrey. No. 1,075,976; Oct. 14; Gaz. vol. 195; p. 505.
- Razor, Safety-. E. N. Humphrey. No. 1,076,286; Oct. 21; Gaz. vol. 195; p. 638.
- Razor, Safety-. I. Kaufmann. No. 1,076,375; Oct. 21; Gaz. vol. 195; p. 669.
- Razor, Safety-. E. N. Humphrey. No. 1,076,429; Oct. 21; Gaz. vol. 195; p. 689.
- Razor, Safety-. E. N. Humphrey. No. 1,076,579; Oct. 21; Gaz. vol. 195; p. 742.
- Razor, Safety-. A. Bippart. No. 1,078,989; Nov. 18; Gaz. vol. 196; p. 666.
- Razor, Safety-. D. Beard. No. 1,079,095; Nov. 18; Gaz. vol. 196; p. 703.
- Razor, Safety-. H. E. S. Holt. No. 1,079,174; Nov. 18; Gaz. vol. 196; p. 731.
- Razor, Safety-. H. L. Henry. No. 1,079,984; Dec. 2; Gaz. vol. 197; p. 22.
- Razor, Safety-. M. C. Sharpneck. No. 1,081,157; Dec. 9; Gaz. vol. 197; p. 457.
- Razor, Safety-. F. D. Jones. No. 1,081,747; Dec. 16; Gaz. vol. 197; p. 690.
- Razor, Safety-. F. D. Jones. No. 1,081,748; Dec. 16; Gaz. vol. 197; p. 690.
- Razor, Safety-. J. A. Ohlsson. No. 1,083,026; Dec. 30; Gaz. vol. 197; p. 1192.
- Razor-strop. R. W. Floyd. No. 1,050,778; Jan. 14; Gaz. vol. 186; p. 529.
- Razor-strop. M. O. Williams. No. 1,072,288; Sept. 2; Gaz. vol. 194; p. 209.
- Razor-strop. P. M. Elliott. No. 1,072,590; Sept. 9; Gaz. vol. 194; p. 343.
- Razor-strop-clamping device. E. Hunold. No. 1,051,411; Jan. 28; Gaz. vol. 186; p. 816.
- Razor-strop-coating compound. A. Zochling. No. 1,080,618; Dec. 9; Gaz. vol. 197; p. 274.
- Razor-strop hanger, Self-aligning-. E. Hunold. No. 1,069,426; Aug. 5; Gaz. vol. 193; p. 118.
- Razor-strop scraper and surfacer. H. J. Galsman. No. 1,062,393; May 20; Gaz. vol. 190; p. 699.
- Razor-strop support and case. F. A. Reichardt and J. H. M. Dudley. No. 1,068,604; July 29; Gaz. vol. 192; p. 1065.
- Razor-strops. Swivel-holder for. L. H. Trieschmann. No. 1,061,250; May 6; Gaz. vol. 190; p. 235.
- Razor-strop. J. Holtzman. No. 1,058,367; Apr. 8; Gaz. vol. 189; p. 379.
- Razor stropping and sharpening mechanism. L. A. Flinker and J. Schade, Jr. No. 1,081,283; Dec. 9; Gaz. vol. 197; p. 500.
- Razor-stropping device. C. E. Greenwood. No. 1,059,294; Apr. 15; Gaz. vol. 189; p. 736.
- Razor-stropping device. J. F. Gau. No. 1,061,468; May 13; Gaz. vol. 190; p. 346.
- Razor-stropping device. J. F. Gau. No. 1,063,192; June 3; Gaz. vol. 191; p. 8.
- Razor-stropping device. J. Kebola. No. 1,080,981; Dec. 9; Gaz. vol. 197; p. 400.
- Razor-stropping machine. E. B. Gibford. No. 1,051,574; Jan. 28; Gaz. vol. 186; p. 872.
- Razor-stropping machine. M. E. Irving. No. 1,064,332; June 10; Gaz. vol. 191; p. 432.
- Razor-stropping machine. E. B. Gibford and W. P. Welch. No. 1,074,095; Sept. 23; Gaz. vol. 194; p. 926.
- Razor-stropping machine. R. S. Otis. No. 1,080,776; Dec. 9; Gaz. vol. 197; p. 330.
- Razor, Vibratory safety-. G. H. Tuttle. No. 1,069,500; Aug. 5; Gaz. vol. 193; p. 143.
- Reach end, Detachable. J. L. Corns. No. 1,062,769; May 27; Gaz. vol. 190; p. 864.
- Reach-rod support. A. W. Woodroof. No. 1,056,312; Mar. 18; Gaz. vol. 188; p. 628.
- Reaction-chamber, Electrically-heated. J. MacKaye. No. 1,051,743; Jan. 28; Gaz. vol. 186; p. 927.
- Reading apparatus. J. Steenson. No. 1,067,772; July 15; Gaz. vol. 192; p. 708.
- Reamer. T. M. Platt. No. 1,053,531; Feb. 18; Gaz. vol. 187; p. 654.
- Reamer. J. Lorenz. No. 1,059,179; Apr. 15; Gaz. vol. 189; p. 696.
- Reamer. J. H. Osgood. No. 1,061,557; May 13; Gaz. vol. 190; p. 378.
- Reamer. C. C. Mitchel. No. 1,062,841; May 27; Gaz. vol. 190; p. 888.
- Reamer. J. B. Shirer. No. 1,063,074; May 27; Gaz. vol. 190; p. 965.
- Reamer, Adjustable. R. L. Ellery. No. 1,077,463; Nov. 4; Gaz. vol. 196; p. 79.
- Reamer attachment for die-stocks. H. Bloomington. No. 1,052,308; Feb. 4; Gaz. vol. 187; p. 158.
- Reamer, Expansion-. C. O. Schellenbach. No. 1,074,820; Oct. 7; Gaz. vol. 195; p. 79.
- Reamer, Expansion-. L. Baum. No. 1,079,630; Nov. 25; Gaz. vol. 196; p. 916.
- Reamer or similar tool, Expansible. W. G. Church. No. 1,066,796; July 8; Gaz. vol. 192; p. 341.
- Reamer, tap, and the like, Adjustable. F. Price. No. 1,062,114; May 20; Gaz. vol. 190; p. 605.
- Reaming and recessing machine. W. G. Benninghoff. No. 1,080,319; Dec. 2; Gaz. vol. 197; p. 140.
- Receiver. O. M. Leich. No. 1,049,499; Jan. 7; Gaz. vol. 186; p. 61.
- Receiver, Welded. V. Anderson. No. 1,063,237; June 3; Gaz. vol. 191; p. 24.
- Receiver, Welded. J. J. Lyng. No. 1,063,270; June 3; Gaz. vol. 191; p. 34.
- Receiving and delivering apparatus, Automatic. H. D. Irick. No. 1,059,540; Apr. 22; Gaz. vol. 189; p. 857.
- Receiving apparatus, Controlling system for. A. D. Cardwell. No. 1,070,945; Aug. 19; Gaz. vol. 193; p. 703.
- Receptacle. J. Hadfield. No. 1,053,492; Feb. 18; Gaz. vol. 187; p. 641.
- Receptacle. G. B. Willcox. No. 1,053,688; Feb. 18; Gaz. vol. 187; p. 708.
- Receptacle. F. A. Stecher. No. 1,060,719; May 6; Gaz. vol. 190; p. 54.
- Receptacle. J. Schühle. No. 1,064,173; June 10; Gaz. vol. 191; p. 378.
- Receptacle. C. Scudder. No. 1,065,398; June 24; Gaz. vol. 191; p. 861.
- Receptacle. D. Cutler. No. 1,065,922; July 1; Gaz. vol. 192; p. 6.
- Receptacle, Adjustable. N. M. Tate. No. 1,062,669; May 27; Gaz. vol. 190; p. 832.
- Receptacle and handle and blank therefor, Covered. J. B. Miller. No. 1,071,563; Aug. 26; Gaz. vol. 193; p. 944.
- Receptacle and utensil. A. W. Obermann. No. 1,052,942; Feb. 11; Gaz. vol. 187; p. 408.
- Receptacle-capping machine. W. J. P. Olsen. No. 1,059,949; Apr. 22; Gaz. vol. 189; p. 990.
- Receptacle-closure. A. L. Weissenthanner. No. 1,049,625; Jan. 7; Gaz. vol. 186; p. 107.
- Receptacle-closure. J. K. Gowen. No. 1,075,643; Oct. 14; Gaz. vol. 195; p. 392.
- Receptacle, Collapsible. P. A. Biddinger. No. 1,056,491; Mar. 18; Gaz. vol. 188; p. 691.
- Receptacle, Collapsible. A. J. Mittler. No. 1,062,656; May 27; Gaz. vol. 190; p. 828.
- Receptacle-cover fastener. D. Auger. No. 1,057,318; Mar. 25; Gaz. vol. 188; p. 1003.
- Receptacle-covers, Retaining means for. L. F. Ryan. No. 1,051,014; Jan. 21; Gaz. vol. 186; p. 649.
- Receptacle, Covered. A. T. Weiss. No. 1,065,412; June 24; Gaz. vol. 191; p. 867.
- Receptacle, Foldable pasteboard. C. H. Goodyear. No. 1,054,530; Feb. 25; Gaz. vol. 187; p. 1030.

Alphabetical list of inventions—Continued.

- Receptacle for containing and discharging semisolid and pasty substances. J. F. Craven. No. 1,053,712; Feb. 18; Gaz. vol. 187; p. 718.
- Receptacle for containing and discharging semisolid and pasty substances. J. F. Craven. (Reissue.) No. 1,355,6; Apr. 22; Gaz. vol. 189; p. 997.
- Receptacle-forming machine. A. J. Hodge. No. 1,064,327; June 10; Gaz. vol. 191; p. 431.
- Receptacle, Merchandise-. J. F. Hitchcock. No. 1,053,601; Feb. 18; Gaz. vol. 187; p. 679.
- Receptacle, Non-heat-conducting. C. C. Willson. No. 1,076,804; Oct. 28; Gaz. vol. 195; p. 875.
- Receptacle, Non-refillable. C. L. Cox. No. 1,065,224; June 17; Gaz. vol. 191; p. 763.
- Receptacle or container, Portable. B. Nadeau. No. 1,056,572; Mar. 18; Gaz. vol. 188; p. 719.
- Receptacle or toilet-case. J. H. Boye. No. 1,051,070; Jan. 21; Gaz. vol. 186; p. 667.
- Receptacle, Provision-. F. H. Miller. No. 1,055,206; Mar. 4; Gaz. vol. 188; p. 184.
- Receptacle, Sanitary. W. A. Ball. No. 1,078,604; Nov. 18; Gaz. vol. 196; p. 531.
- Receptacle, Single-delivery. J. Ratzlaff. No. 1,061,926; May 13; Gaz. vol. 190; p. 499.
- Receptacle-top. W. G. Kendall. No. 1,067,523; July 15; Gaz. vol. 192; p. 624.
- Receptacle-top. W. G. Kendall. No. 1,070,697; Aug. 19; Gaz. vol. 193; p. 623.
- Receptacle, Vacuum-jacketed. A. J. Conroy and J. T. Sullivan. No. 1,055,710; Mar. 11; Gaz. vol. 188; p. 390.
- Receptacle with metal label. J. F. Craven. No. 1,077,259; Nov. 4; Gaz. vol. 196; p. 6.
- Receptacles, Apparatus for applying caps to. E. Goldstein. No. 1,063,968; June 10; Gaz. vol. 191; p. 307.
- Receptacles from undue internal pressure, Means for relieving the walls of. J. N. Johnson. No. 1,059,370; Apr. 22; Gaz. vol. 189; p. 799.
- Receptacles, Machine for applying closures to. O. N. Tevander and A. Manierre. No. 1,078,706; Nov. 18; Gaz. vol. 196; p. 567.
- Receptacles, Machine for introducing charges of material into. L. Fischer. No. 1,078,492; Nov. 11; Gaz. vol. 196; p. 462.
- Receptacles, Means for protecting the contents of. L. J. Tint. No. 1,072,674; Sept. 9; Gaz. vol. 194; p. 372.
- Reciprocating engine. F. M. Eslick. No. 1,053,799; Feb. 18; Gaz. vol. 187; p. 745.
- Reciprocating engine. E. A. Perkins. No. 1,082,901; Dec. 30; Gaz. vol. 197; p. 1151.
- Reciprocating engine. E. A. Perkins. No. 1,082,902; Dec. 30; Gaz. vol. 197; p. 1151.
- Reciprocating implement, Double-compression. S. D. Sibley. No. 1,072,367; Sept. 2; Gaz. vol. 194; p. 236.
- Reciprocating-piston engine. J. F. N. Nielsen. No. 1,058,457; Apr. 8; Gaz. vol. 189; p. 410.
- Reckoning and computing apparatus. J. Robertson. No. 1,052,276; Feb. 4; Gaz. vol. 187; p. 149.
- Reclining-chair. F. Meyrose. No. 1,080,714; Dec. 9; Gaz. vol. 197; p. 307.
- Recoil-loader with fixed barrel. B. Clarus. No. 1,057,329; Mar. 25; Gaz. vol. 188; p. 1006.
- Record holder, Disk-. J. C. Frank. No. 1,082,018; Dec. 23; Gaz. vol. 197; p. 813.
- Record-keeper. J. Miller. No. 1,070,906; Aug. 19; Gaz. vol. 193; p. 691.
- Record-making machine. A. Smith. No. 1,050,496; Jan. 14; Gaz. vol. 186; p. 437.
- Record-receiving elements, Means for holding. C. E. Tomlinson. (Reissue.) No. 1,352,3; Feb. 4; Gaz. vol. 187; p. 207.
- Recorder: *See* Distance-recorder; Horse-power recorder; Machinery-efficiency recorder; Mine-hoist recorder; Passenger-recorder; Phonographic recorder; Sawmill-recorder; Siphon-recorder; Smoke and fume recorder; Speed-recorder; Telephone-call recorder; Time-recorder; Vibration-recorder.
- Recorder. H. T. Goss and J. W. Bryce. No. 1,049,473; Jan. 7; Gaz. vol. 186; p. 52.
- Recorder. W. S. Brown. No. 1,052,650; Feb. 11; Gaz. vol. 187; p. 307.
- Recorder. L. G. Gadd. No. 1,067,912; July 22; Gaz. vol. 192; p. 789.
- Recorder or register. J. W. Vaughn. No. 1,055,577; Mar. 11; Gaz. vol. 188; p. 345.
- Recording apparatus. L. M. Aspinwall and G. Bright. No. 1,056,878; Mar. 25; Gaz. vol. 188; p. 852.
- Recording apparatus. T. D. McCall. No. 1,081,246; Dec. 9; Gaz. vol. 197; p. 486.
- Recording device. E. S. Cole. No. 1,053,085; Feb. 11; Gaz. vol. 187; p. 456.
- Recording device. E. S. Cole. No. 1,053,086; Feb. 11; Gaz. vol. 187; p. 457.
- Recording device. C. A. Brown. No. 1,054,335; Feb. 25; Gaz. vol. 187; p. 963.
- Recording device. E. S. Votey. No. 1,076,338; Oct. 21; Gaz. vol. 195; p. 657.
- Recording device, Automatic electric. A. Lambot. No. 1,072,474; Sept. 9; Gaz. vol. 194; p. 303.
- Recording-gage. J. W. Motherwell. No. 1,063,281; June 3; Gaz. vol. 191; p. 38.
- Recording instrument. A. F. Benson. No. 1,054,495; Feb. 25; Gaz. vol. 187; p. 1020.
- Recording instrument. S. T. Bole. No. 1,068,213; July 22; Gaz. vol. 192; p. 891.
- Recording instrument, Electric. A. L. Sohm. No. 1,075,513; Oct. 14; Gaz. vol. 195; p. 346.
- Recording instruments, Pen-arm-adjusting mechanism for. E. Hodgkinson. No. 1,060,761; May 6; Gaz. vol. 190; p. 67.
- Recording-machine. H. Landsiedel. No. 1,054,356; Feb. 25; Gaz. vol. 187; p. 971.
- Recording mechanism. C. E. W. Gardner. No. 1,052,811; Feb. 11; Gaz. vol. 187; p. 363.
- Recording mechanism. G. Willson. No. 1,056,748; Mar. 18; Gaz. vol. 188; p. 780.
- Recording mechanism. R. Frick. No. 1,078,138; Nov. 11; Gaz. vol. 196; p. 339.
- Recording mechanism. B. F. Silliman. No. 1,080,306; Dec. 2; Gaz. vol. 197; p. 135.
- Recording-meter. P. Lanham. No. 1,075,427; Oct. 14; Gaz. vol. 195; p. 317.
- Recording system and apparatus. A. L. Sohm. No. 1,075,608; Oct. 14; Gaz. vol. 195; p. 379.
- Rectal irrigator. C. Sawyer. No. 1,074,818; Oct. 7; Gaz. vol. 195; p. 78.
- Rectal tube. W. L. Shackelford. No. 1,080,934; Dec. 9; Gaz. vol. 197; p. 385.
- Rectifier. C. C. Ruprecht. No. 1,059,002; Apr. 15; Gaz. vol. 189; p. 636.
- Rectifier compound. N. Fallek. No. 1,056,327; Mar. 18; Gaz. vol. 188; p. 632.
- Recuperator. F. Stammschulte. No. 1,080,383; Dec. 2; Gaz. vol. 197; p. 165.
- Recutting-die. T. Lund. No. 1,054,127; Feb. 25; Gaz. vol. 187; p. 892.
- Reduction and producing ferrosilicon, Effecting. E. A. Byrnes. No. 1,051,194; Jan. 21; Gaz. vol. 186; p. 709.
- Reduction-furnace, Electrical. H. H. Noble. No. 1,057,082; Mar. 25; Gaz. vol. 188; p. 923.
- Reduction or hydrogenation of organic compounds, especially the fatty acids and their compounds. K. H. Wimmer and E. B. Higgins. No. 1,081,182; Dec. 9; Gaz. vol. 197; p. 465.
- Reed. W. Wagner. No. 1,069,989; Aug. 12; Gaz. vol. 193; p. 339.
- Reed. E. M. Terryberry. No. 1,070,206; Aug. 12; Gaz. vol. 193; p. 414.
- Reed, Layers of. P. Krebs. No. 1,074,801; Oct. 7; Gaz. vol. 195; p. 74.
- Reel: *See* Belt-reel; Clothes-reel; Clothes-line reel; Film-holding reel; Fishing-reel; Fishing-line-drying reel; Hand-reel; Hose-reel; Kite-reel; Line-reel; Nailing-machine reel; Paper-winding reel; Surveyor's reel; Tape-reel; Truck-reel; Wire-reel.
- Reel. E. L. Keyes. No. 1,053,612; Feb. 18; Gaz. vol. 187; p. 682.
- Reel. A. F. Rietzel. No. 1,055,356; Mar. 11; Gaz. vol. 188; p. 273.
- Reel. W. H. Rowe and A. F. Rietzel. No. 1,056,455; Mar. 18; Gaz. vol. 188; p. 677.
- Reel. A. H. Meyer. No. 1,058,995; Apr. 15; Gaz. vol. 189; p. 633.
- Reel. A. F. Rietzel. No. 1,063,735; June 3; Gaz. vol. 191; p. 196.
- Reel. A. L. Hastings. No. 1,066,609; July 8; Gaz. vol. 192; p. 276.
- Reel. L. B. Dutcher. No. 1,077,461; Nov. 4; Gaz. vol. 196; p. 78.
- Reel. W. P. Ray. No. 1,082,139; Dec. 23; Gaz. vol. 197; p. 852.
- Reel-packet. F. W. Macdonald. No. 1,082,964; Dec. 30; Gaz. vol. 197; p. 1173.
- Reel or swift. C. Ryden. No. 1,055,419; Mar. 11; Gaz. vol. 188; p. 294.
- Reeling and feeding mechanism. R. W. Armstrong. No. 1,071,545; Aug. 26; Gaz. vol. 193; p. 938.
- Reeling-machine. J. E. Phillips. No. 1,066,143; July 1; Gaz. vol. 192; p. 84.
- Refacing and recounterboring tool. A. N. Rutan. No. 1,073,526; Sept. 16; Gaz. vol. 194; p. 708.
- Reflecting-machine. F. E. Baldwin. No. 1,065,496; June 24; Gaz. vol. 191; p. 895.
- Reflector. B. Jones, Jr. No. 1,050,466; Jan. 14; Gaz. vol. 186; p. 426.
- Reflector. M. Van Gelder. No. 1,052,192; Feb. 4; Gaz. vol. 187; p. 121.
- Reflector. W. A. F. Becker. No. 1,064,428; June 10; Gaz. vol. 191; p. 466.
- Reflector for gas-lamps. F. E. Baldwin. No. 1,066,241; July 1; Gaz. vol. 192; p. 121.
- Reflector, Light-. O. Shiras and F. X. Chassaing. No. 1,073,639; Sept. 23; Gaz. vol. 194; p. 770.
- Reflector, Optical. F. M. Walts. No. 1,074,145; Sept. 30; Gaz. vol. 194; p. 972.
- Reflector, Search-light. C. A. Parsons and G. G. Stoney. No. 1,071,569; Aug. 26; Gaz. vol. 193; p. 946.
- Reflector, Shade-. J. Sachs. No. 1,069,035; July 29; Gaz. vol. 192; p. 1215.

Alphabetical list of inventions—Continued

- Reflector-supporting bracket. P. M. Hotchkiss. No. 1,056,176; Mar. 18; Gaz. vol. 188; p. 583.
- Reflector, transparent. L. Geisler. No. 1,060,447; Apr. 29; Gaz. vol. 189; p. 1206.
- Reflexograph. W. H. Cone. No. 1,071,708; Sept. 2; Gaz. vol. 194; p. 13.
- Refractory composition. G. N. Jeppson. No. 1,081,536; Dec. 16; Gaz. vol. 197; p. 624.
- Refractory conductors, Production of. W. D. Coolidge. No. 1,077,674; Nov. 4; Gaz. vol. 196; p. 149.
- Refractory, electrically-conducting molded bodies, Production of. G. Egly. No. 1,075,634; Oct. 14; Gaz. vol. 195; p. 389.
- Refractory material. W. Arthur. No. 1,072,413; Sept. 9; Gaz. vol. 194; p. 281.
- Refractory material. W. Arthur. No. 1,072,414; Sept. 9; Gaz. vol. 194; p. 281.
- Refractory material. F. J. Tone. No. 1,078,525; Nov. 11; Gaz. vol. 196; p. 473.
- Refractory material, Production of articles from. O. Greiner. No. 1,077,704; Nov. 4; Gaz. vol. 196; p. 158.
- Refractory materials, Preparing billets of. H. D. Madden. No. 1,081,618; Dec. 16; Gaz. vol. 197; p. 648.
- Refreshment-table. O. C. Kade. No. 1,073,762; Sept. 23; Gaz. vol. 194; p. 815.
- Refrigerating apparatus. E. Volland. No. 1,050,877; Jan. 21; Gaz. vol. 186; p. 600.
- Refrigerating apparatus. W. C. Bacon. No. 1,053,345; Feb. 18; Gaz. vol. 187; p. 590.
- Refrigerating apparatus. C. J. Coleman. No. 1,054,507; Feb. 25; Gaz. vol. 187; p. 1024.
- Refrigerating apparatus. W. N. Amsbary. No. 1,056,964; Mar. 25; Gaz. vol. 188; p. 883.
- Refrigerating apparatus. J. Schneible. No. 1,062,856; May 27; Gaz. vol. 190; p. 893.
- Refrigerating apparatus. W. N. Amsbary. No. 1,063,312; June 3; Gaz. vol. 191; p. 48.
- Refrigerating apparatus. F. W. Wolf, Jr., and H. H. Southworth. No. 1,068,617; July 29; Gaz. vol. 192; p. 1070.
- Refrigerating apparatus. F. W. Wolf, Jr., and H. H. Southworth. No. 1,068,618; July 29; Gaz. vol. 192; p. 1070.
- Refrigerating apparatus. W. I. Bodine. No. 1,068,623; July 29; Gaz. vol. 192; p. 1072.
- Refrigerating apparatus. J. C. Kitton. No. 1,069,790; Aug. 12; Gaz. vol. 193; p. 271.
- Refrigerating apparatus. M. F. Adams. No. 1,069,840; Aug. 12; Gaz. vol. 193; p. 289.
- Refrigerating apparatus. H. H. Southworth and F. W. Wolf, Jr. No. 1,070,074; Aug. 12; Gaz. vol. 193; p. 367.
- Refrigerating apparatus. W. F. Davis. No. 1,071,002; Aug. 19; Gaz. vol. 193; p. 722.
- Refrigerating apparatus. F. W. Wolf, Jr., and H. H. Southworth. No. 1,076,537; Oct. 21; Gaz. vol. 195; p. 727.
- Refrigerating apparatus. H. H. Southworth and F. W. Wolf, Jr. No. 1,079,448; Nov. 25; Gaz. vol. 196; p. 852.
- Refrigerating apparatus. W. Cooper. No. 1,080,540; Dec. 9; Gaz. vol. 197; p. 249.
- Refrigerating apparatus, Absorption mechanism for. S. H. Petersen. No. 1,070,911; Aug. 19; Gaz. vol. 193; p. 693.
- Refrigerating apparatus, Automatic control device for. F. Bishop. No. 1,050,910; Jan. 21; Gaz. vol. 186; p. 613.
- Refrigerating-apparatus safety attachment, Compression-. F. A. Schneider. No. 1,054,456; Feb. 25; Gaz. vol. 187; p. 1006.
- Refrigerating-car. L. H. Lister. No. 1,072,131; Sept. 2; Gaz. vol. 194; p. 158.
- Refrigerating-machine. W. F. Davis. No. 1,071,713; Sept. 2; Gaz. vol. 194; p. 14.
- Refrigerating-machine. J. J. Schrade. No. 1,075,126; Oct. 7; Gaz. vol. 195; p. 185.
- Refrigerating system, Automatic. E. T. Williams and H. T. Bernhard. No. 1,050,894; Jan. 21; Gaz. vol. 186; p. 606.
- Refrigerator. J. I. Payne. No. 1,052,375; Feb. 4; Gaz. vol. 187; p. 181.
- Refrigerator. F. H. Chase. No. 1,056,885; Mar. 25; Gaz. vol. 188; p. 855.
- Refrigerator. T. L. Smith. No. 1,058,639; Apr. 8; Gaz. vol. 189; p. 470.
- Refrigerator. A. T. Schlichting. No. 1,058,906; Apr. 15; Gaz. vol. 189; p. 603.
- Refrigerator. F. V. Detwiler. No. 1,063,514; June 3; Gaz. vol. 191; p. 116.
- Refrigerator. V. S. Hellstrom. No. 1,064,828; June 17; Gaz. vol. 191; p. 636.
- Refrigerator. A. Fink. No. 1,067,724; July 15; Gaz. vol. 192; p. 692.
- Refrigerator. W. Hausner and A. Schweigert. No. 1,072,453; Sept. 9; Gaz. vol. 194; p. 295.
- Refrigerator. W. E. Park. No. 1,074,453; Sept. 30; Gaz. vol. 194; p. 1074.
- Refrigerator. W. D. Adams. No. 1,079,155; Nov. 18; Gaz. vol. 196; p. 725.
- Refrigerator. R. A. Riek. No. 1,080,074; Dec. 2; Gaz. vol. 197; p. 55.
- Refrigerator and the like, Partition-. G. F. Wittkopf. No. 1,081,418; Dec. 16; Gaz. vol. 197; p. 583.
- Refrigerator-car. M. Toltz. No. 1,057,391; Mar. 25; Gaz. vol. 188; p. 1026.
- Refrigerator-car. G. C. Bohn. No. 1,058,695; Apr. 8; Gaz. vol. 189; p. 490.
- Refrigerator-car. J. P. Elmer. No. 1,061,680; May 13; Gaz. vol. 190; p. 421.
- Refrigerator-car. G. C. Bohn. No. 1,061,974; May 20; Gaz. vol. 190; p. 557.
- Refrigerator-car. J. M. Coleman. No. 1,068,741; July 29; Gaz. vol. 192; p. 1113.
- Refrigerator-car. G. E. Knepper. No. 1,080,983; Dec. 9; Gaz. vol. 197; p. 401.
- Refrigerator-card drip-pan. R. N. Pierpoint. No. 1,059,204; Apr. 15; Gaz. vol. 189; p. 706.
- Refrigerator-cars, Drip cup or trap for. J. A. Werner. No. 1,060,047; Apr. 29; Gaz. vol. 189; p. 1067.
- Refrigerator-cars, Hatch-cover and ventilator for. E. Posson. No. 1,072,164; Sept. 2; Gaz. vol. 194; p. 170.
- Refrigerator-compartment. E. Richardson. No. 1,056,583; Mar. 18; Gaz. vol. 188; p. 722.
- Refrigerator-door, Auxiliary. C. G. Schmidt. No. 1,070,186; Aug. 12; Gaz. vol. 193; p. 408.
- Refrigerator drain-pan, Sanitary. J. F. Schmalzried. No. 1,059,570; Apr. 22; Gaz. vol. 189; p. 867.
- Refrigerator drip-pan. J. B. Menzl. No. 1,057,654; Apr. 1; Gaz. vol. 189; p. 88.
- Refrigerator drip-pan. R. M. Patterson. No. 1,063,724; June 3; Gaz. vol. 191; p. 193.
- Refrigerator-drip-pan alarm attachment. A. J. Fiala. No. 1,066,479; July 8; Gaz. vol. 192; p. 229.
- Refrigerator, Evaporative. G. R. Harrild. No. 1,071,047; Aug. 26; Gaz. vol. 193; p. 772.
- Refrigerator, Evaporative. A. L. Van Buskirk. No. 1,073,375; Sept. 16; Gaz. vol. 194; p. 658.
- Refrigerator ice-receptacle. A. P. Criswell. No. 1,052,464; Feb. 11; Gaz. vol. 187; p. 245.
- Refrigerator-lining. V. A. De Canio. No. 1,060,432; Apr. 29; Gaz. vol. 189; p. 1202.
- Refrigerator, Portable. J. H. Coughlan. No. 1,059,840; Apr. 22; Gaz. vol. 189; p. 954.
- Refrigerator show-case. J. Lantagne. No. 1,058,606; Apr. 8; Gaz. vol. 189; p. 459.
- Refrigerator-wagon. J. C. and J. J. Raum. No. 1,058,333; Apr. 8; Gaz. vol. 189; p. 368.
- Refrigerator, Water-cooling. R. R. Ritchey. No. 1,077,557; Nov. 4; Gaz. vol. 196; p. 111.
- Refuse-bag, Sanitary. J. F. and E. D. Ranken. No. 1,052,370; Feb. 4; Gaz. vol. 187; p. 182.
- Refuse-burner. J. Prescott. No. 1,069,577; Aug. 5; Gaz. vol. 193; p. 168.
- Refuse-burner. W. McCance. No. 1,078,158; Nov. 11; Gaz. vol. 196; p. 346.
- Refuse, Burning. J. A. Fried. No. 1,065,516; June 24; Gaz. vol. 191; p. 902.
- Refuse, Destroying. O. Uhde. No. 1,059,787; Apr. 22; Gaz. vol. 189; p. 938.
- Refuse-destroying apparatus. O. Uhde. No. 1,049,947; Jan. 7; Gaz. vol. 186; p. 212.
- Refuse-destroyer. H. N. Leask. No. 1,054,850; Mar. 4; Gaz. vol. 188; p. 68.
- Refuse-destroyer. H. N. Leask. No. 1,074,508; Sept. 30; Gaz. vol. 194; p. 1090.
- Refuse-destroyer furnace. J. H. Thwaites. No. 1,050,253; Jan. 14; Gaz. vol. 186; p. 350.
- Refuse-disposal apparatus. H. T. Townshend. No. 1,071,535; Aug. 26; Gaz. vol. 193; p. 935.
- Refuse-gathering device. P. L. Martin. No. 1,053,418; Feb. 18; Gaz. vol. 187; p. 615.
- Refuse material, Apparatus for treating. J. M. W. Kitchen. No. 1,063,886; June 3; Gaz. vol. 191; p. 244.
- Refuse-receptacle. A. Burggaller. No. 1,062,270; May 20; Gaz. vol. 190; p. 658.
- Regenerative furnace. L. L. Knox. No. 1,070,486; Aug. 19; Gaz. vol. 193; p. 552.
- Regenerative furnace. N. F. Egler. No. 1,079,642; Nov. 25; Gaz. vol. 196; p. 920.
- Regenerator. A. Jensen. No. 1,073,989; Sept. 23; Gaz. vol. 194; p. 891.
- Regenerator or hot-blast stove. M. Schroeder and H. Reinhard. No. 1,062,122; May 20; Gaz. vol. 190; p. 608.
- Register: See Account-register; Adding-machine register; Autographic register; Calculating-register; Call-register; Car-temperature register; Cash-register; Cash and autographic register; Credit-register; Elevator-car register; Fare-register; Fare-recording register; Game-register; Hot-air register; Invoice-register; Lighting-plant register; Measurement-register; Measuring-register; School-register; Telephone-register; Telephone-call register; Time-register; Time-recording register; Ventilating-register.
- Register. W. H. H. Knight. No. 1,054,214; Feb. 25; Gaz. vol. 187; p. 924.
- Register. J. H. Bailey. No. 1,054,266; Feb. 25; Gaz. vol. 187; p. 939.
- Register. J. S. Makin and H. A. Schellman. No. 1,056,566; Mar. 18; Gaz. vol. 188; p. 617.

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- Register. W. I. Ohmer, D. B. Whistler, and J. E. McAllister. No. 1,056,824; Mar. 25; Gaz. vol. 188; p. 834.
- Register. J. T. McElpatrick. No. 1,062,177; May 20; Gaz. vol. 190; p. 626.
- Register. R. P. Palmer. No. 1,063,723; June 3; Gaz. vol. 191; p. 192.
- Register. A. Shaw. No. 1,067,944; July 22; Gaz. vol. 192; p. 799.
- Register. H. G. Harper. No. 1,068,238; July 22; Gaz. vol. 192; p. 901.
- Register. P. Kraeuter and S. M. Kintner. No. 1,068,907; July 29; Gaz. vol. 192; p. 1173.
- Register. J. G. Cary. No. 1,073,957; Sept. 23; Gaz. vol. 194; p. 881.
- Register. C. F. Fogg. (Reissue.) No. 1,3624; Oct. 7; Gaz. vol. 195; p. 255.
- Register. W. C. Pritchard. No. 1,078,166; Nov. 11; Gaz. vol. 196; p. 349.
- Register and change-returner. L. T. Mathews. No. 1,052,494; Feb. 11; Gaz. vol. 187; p. 255.
- Register and ventilator construction. E. C. Goodwin. No. 1,080,512; Dec. 2; Gaz. vol. 197; p. 207.
- Register-bands. Machine for producing justification-symbols in. E. M. v. Marchthal. No. 1,082,642; Dec. 30; Gaz. vol. 197; p. 1060.
- Register-door holder. Wall. G. S. Auer. No. 1,082,788; Dec. 30; Gaz. vol. 197; p. 1113.
- Register-hook. F. W. Weston. No. 1,059,798; Apr. 22; Gaz. vol. 189; p. 942.
- Register-resetting mechanism. F. H. Bickford. No. 1,066,700; July 8; Gaz. vol. 192; p. 308.
- Register system. J. Witmer. No. 1,071,491; Aug. 26; Gaz. vol. 193; p. 920.
- Register-table. Pressman's. F. M. Bashelier. No. 1,057,373; Mar. 25; Gaz. vol. 188; p. 1021.
- Registering device. W. H. Zachmann. No. 1,053,120; Feb. 11; Gaz. vol. 187; p. 469.
- Registering device. J. Glenn. No. 1,064,469; June 10; Gaz. vol. 191; p. 480.
- Registering device. I. M. De Puy. No. 1,064,620; June 10; Gaz. vol. 191; p. 530.
- Registering-machine. G. E. and A. C. Schuman. No. 1,072,658; Sept. 9; Gaz. vol. 194; p. 366.
- Registering mechanism. C. F. Siegrist. No. 1,056,460; Mar. 18; Gaz. vol. 188; p. 679.
- Registering system. R. H. Long. No. 1,055,929; Mar. 11; Gaz. vol. 188; p. 463.
- Regulating apparatus. D. H. Darrin. No. 1,050,431; Jan. 14; Gaz. vol. 186; p. 413.
- Regulating apparatus. H. Bullock. No. 1,073,025; Sept. 9; Gaz. vol. 194; p. 498.
- Regulating device. J. C. Christiansen. No. 1,065,216; June 17; Gaz. vol. 191; p. 760.
- Regulation system. E. T. Shaw and J. M. Naul. No. 1,063,608; June 3; Gaz. vol. 191; p. 151.
- Regulator. See Air-admission regulator; Air and gas regulator; Boiler-feed regulator; Boiler-pressure regulator; Circuit-regulator; Controller-regulator; Current-regulator; Damper-regulator; Draft-regulator; Electric regulator; Electric-current regulator; Electric-fluid-heater regulator; Electric-machine regulator; Electro-thermostatic regulator; Feed-regulator; Feed-water regulator; Fluid-mixture regulator; Fluid-pressure regulator; Fuel-regulator; Furnace draft-regulator; Gas-regulator; Gas-pressure regulator; Heat-regulator; Heating-system regulator; Liquid-supply regulator; Medical electric-current regulator; Motor-controller regulator; Potential-regulator; Pressure-regulator; Pressure-governed regulator; Speed-regulator; Temperature-regulator; Tempo-regulator; Tension-regulator; Thermostatic regulator; Voltage-regulator; Windmill-regulator.
- Regulator. F. Leonhard. No. 1,055,194; Mar. 4; Gaz. vol. 188; p. 181.
- Regulator. E. J. Deegan. No. 1,064,714; June 17; Gaz. vol. 191; p. 598.
- Regulator. W. C. Beam. No. 1,067,394; July 15; Gaz. vol. 192; p. 580.
- Regulator. W. M. Miller and S. A. Shipp. No. 1,075,219; Oct. 7; Gaz. vol. 195; p. 217.
- Rein buckle. Cross. T. J. Virtue. No. 1,080,665; Dec. 9; Gaz. vol. 197; p. 290.
- Rein-guard. L. B. Avery. No. 1,077,327; Nov. 4; Gaz. vol. 196; p. 30.
- Rein guard. Driving. A. B. Sibley. No. 1,058,476; Apr. 8; Gaz. vol. 189; p. 416.
- Rein-holder. C. A. Montgomery. No. 1,050,374; Jan. 14; Gaz. vol. 186; p. 393.
- Rein-holder. J. A. Bean. No. 1,052,402; Feb. 4; Gaz. vol. 187; p. 190.
- Rein-holder and whip-socket. Combined. J. A. Bean. No. 1,051,062; Jan. 21; Gaz. vol. 186; p. 665.
- Rein. Overcheck. J. H. Taylor. No. 1,054,369; Feb. 25; Gaz. vol. 187; p. 976.
- Rein-support. M. E. Huebner. No. 1,079,412; Nov. 25; Gaz. vol. 196; p. 841.
- Reinforced strap. T. S. Hall. No. 1,058,427; Apr. 8; Gaz. vol. 189; p. 401.
- Reinforcing-bar. D. B. Luten. No. 1,070,903; Aug. 19; Gaz. vol. 193; p. 690.
- Reinforcing-rods. Spacer for. H. Stiver. No. 1,054,803; Mar. 4; Gaz. vol. 188; p. 52.
- Relay. J. Erickson. No. 1,082,310; Dec. 23; Gaz. vol. 197; p. 914.
- Relay, Alternating-current. J. F. D. Hoge. No. 1,056,334; Mar. 18; Gaz. vol. 188; p. 634.
- Relay device. A. Orling. No. 1,082,092; Dec. 23; Gaz. vol. 197; p. 838.
- Relay for two-wire notching systems. E. R. Carichoff. No. 1,077,972; Nov. 11; Gaz. vol. 196; p. 282.
- Relay, Harmonic. K. B. Miller. No. 1,078,106; Nov. 11; Gaz. vol. 196; p. 329.
- Relay, Railway signal. C. W. Coleman. No. 1,066,081; July 1; Gaz. vol. 192; p. 63.
- Relay, Resonating. H. von Kramer and G. Kapp. No. 1,067,823; July 22; Gaz. vol. 192; p. 759.
- Relay, Reverse current. E. B. Wedmore and W. P. Hamlyn. No. 1,060,724; May 6; Gaz. vol. 190; p. 56.
- Relay, Selective. E. R. Brodton. No. 1,059,706; Apr. 22; Gaz. vol. 189; p. 911.
- Relay system. E. W. Preston and G. L. Nickerson. No. 1,056,300; Mar. 18; Gaz. vol. 188; p. 624.
- Relay, Undulatory-current. E. Reisz. No. 1,059,763; Apr. 22; Gaz. vol. 189; p. 930.
- Release device. Safety. H. W. Spellman and E. Twigg. No. 1,051,462; Jan. 28; Gaz. vol. 186; p. 833.
- Release-rigging. W. P. Murphy. (Reissue.) No. 1,3557; Apr. 29; Gaz. vol. 189; p. 1249.
- Release-rigging. W. P. Murphy. No. 1,067,052; July 8; Gaz. vol. 192; p. 426.
- Releasing device. E. A. Kirkendall. No. 1,053,043; Feb. 11; Gaz. vol. 187; p. 441.
- Releasing device. D. Jacques. No. 1,079,297; Nov. 18; Gaz. vol. 196; p. 770.
- Releasing mechanism. C. E. Beach. No. 1,050,791; Jan. 21; Gaz. vol. 186; p. 568.
- Relieving mechanism. W. Schellenbach. No. 1,067,141; July 8; Gaz. vol. 192; p. 457.
- Remedial appliance. S. Quayle. No. 1,081,148; Dec. 9; Gaz. vol. 197; p. 453.
- Remedy for tuberculosis. Producing a. W. Ruppel. No. 1,050,299; Jan. 14; Gaz. vol. 186; p. 367.
- Remedy, Toothache. D. Feigensohn. No. 1,053,720; Feb. 18; Gaz. vol. 187; p. 720.
- Remover. D. Honorof. No. 1,071,421; Aug. 26; Gaz. vol. 193; p. 898.
- Repair-tool. B. V. Maxwell and L. A. Nickerson. No. 1,074,058; Sept. 23; Gaz. vol. 194; p. 913.
- Repeater. Differential-microphone. J. J. Comer. No. 1,050,104; Jan. 14; Gaz. vol. 186; p. 301.
- Replanting machine. Corn. J. J. Cholick. No. 1,078,332; Nov. 11; Gaz. vol. 196; p. 407.
- Reproducer. T. A. Edison. No. 1,055,621; Mar. 11; Gaz. vol. 188; p. 360.
- Reproducing-machines. Means for regulating the relative speed of operation of. J. W. Crooks. No. 1,057,332; Mar. 25; Gaz. vol. 188; p. 1007.
- Repunching-machine. W. V. Gist. No. 1,049,847; Jan. 7; Gaz. vol. 186; p. 180.
- Rerailing-machine. H. P. Hughes. No. 1,063,799; June 3; Gaz. vol. 191; p. 217.
- Resaw-machine. Band. S. E. Ranger. No. 1,062,358; May 20; Gaz. vol. 190; p. 687.
- Resawing-machine. G. M. Pelton. No. 1,058,897; Apr. 15; Gaz. vol. 189; p. 600.
- Reservoir and feeding device. Liquid. J. G. Goodhue. No. 1,054,915; Mar. 4; Gaz. vol. 188; p. 89.
- Reservoir and pump therefor. R. H. Thomas. No. 1,059,409; Apr. 22; Gaz. vol. 189; p. 812.
- Reservoir, Oil. E. W. Dunn. No. 1,051,832; Jan. 28; Gaz. vol. 186; p. 956.
- Resilient and suspension wheel for vehicles. H. Clifford. No. 1,066,797; July 8; Gaz. vol. 192; p. 341.
- Resilient ball. F. A. Cigol. No. 1,077,121; Oct. 28; Gaz. vol. 195; p. 983.
- Resilient wheel. B. Marley, W. P. Thacker, and R. P. Barnard. No. 1,050,481; Jan. 14; Gaz. vol. 186; p. 432.
- Resilient wheel. H. O. Shockley. No. 1,050,859; Jan. 21; Gaz. vol. 186; p. 594.
- Resilient wheel. E. E. Julien. No. 1,050,950; Jan. 21; Gaz. vol. 186; p. 627.
- Resilient wheel. J. Seadler. No. 1,051,276; Jan. 21; Gaz. vol. 186; p. 736.
- Resilient wheel. W. J. Mettler. No. 1,051,431; Jan. 28; Gaz. vol. 186; p. 822.
- Resilient wheel. C. D. Galvin. No. 1,053,723; Feb. 18; Gaz. vol. 187; p. 721.
- Resilient wheel. W. F. Doll. No. 1,053,976; Feb. 25; Gaz. vol. 187; p. 842.
- Resilient wheel. S. Hipkins. No. 1,054,118; Feb. 25; Gaz. vol. 187; p. 889.
- Resilient wheel. E. J. Kreis. No. 1,055,333; Mar. 11; Gaz. vol. 188; p. 264.
- Resilient wheel. C. J. Craig. No. 1,055,447; Mar. 11; Gaz. vol. 188; p. 304.
- Resilient wheel. R. J. Hughes. No. 1,055,750; Mar. 11; Gaz. vol. 188; p. 404.
- Resilient wheel. F. F. Tighe. No. 1,055,835; Mar. 11; Gaz. vol. 188; p. 434.
- Resilient wheel. W. J. Faber. No. 1,055,895; Mar. 11; Gaz. vol. 188; p. 453.

Alphabetical list of inventions—Continued.

- Resilient wheel. J. Kohler. No. 1,056,554; Mar. 18; Gaz. vol. 188; p. 712.
- Resilient wheel. F. M. Ross. No. 1,057,092; Mar. 25; Gaz. vol. 188; p. 928.
- Resilient wheel. C. A. Howell. No. 1,057,152; Mar. 25; Gaz. vol. 188; p. 948.
- Resilient wheel. D. L. Crosbie. No. 1,058,221; Apr. 8; Gaz. vol. 189; p. 328.
- Resilient wheel. G. D. Minnick. No. 1,060,480; Apr. 29; Gaz. vol. 189; p. 1217.
- Resilient wheel. H. Lafleur. No. 1,061,086; May 6; Gaz. vol. 190; p. 180.
- Resilient wheel. W. L. Chrysler. No. 1,064,129; June 10; Gaz. vol. 191; p. 363.
- Resilient wheel. A. Rosedale. No. 1,064,257; June 10; Gaz. vol. 191; p. 407.
- Resilient wheel. W. Lupton. No. 1,064,353; June 10; Gaz. vol. 191; p. 439.
- Resilient wheel. E. Radke. No. 1,065,080; June 17; Gaz. vol. 191; p. 718.
- Resilient wheel. H. Leap. No. 1,066,124; July 1; Gaz. vol. 192; p. 77.
- Resilient wheel. C. Andersen. No. 1,067,296; July 15; Gaz. vol. 192; p. 548.
- Resilient wheel. O. E. Casey. No. 1,067,504; July 15; Gaz. vol. 192; p. 618.
- Resilient wheel. G. E. Sprague. No. 1,068,181; July 22; Gaz. vol. 192; p. 879.
- Resilient wheel. J. H. W. Kepler. No. 1,069,553; Aug. 5; Gaz. vol. 193; p. 161.
- Resilient wheel. J. G. Peck. No. 1,069,807; Aug. 12; Gaz. vol. 193; p. 277.
- Resilient wheel. G. Dorffel. No. 1,070,949; Aug. 19; Gaz. vol. 193; p. 705.
- Resilient wheel. M. Young. No. 1,071,288; Aug. 26; Gaz. vol. 193; p. 853.
- Resilient wheel. J. Pronovost and H. S. Miller. No. 1,074,064; Sept. 23; Gaz. vol. 194; p. 915.
- Resilient wheel. W. Wheeler. No. 1,076,254; Oct. 21; Gaz. vol. 195; p. 626.
- Resilient wheel. E. A. Schlairet. No. 1,076,914; Oct. 28; Gaz. vol. 195; p. 914.
- Resilient wheel. M. B. Ray and E. K. Henderson. No. 1,077,430; Nov. 4; Gaz. vol. 196; p. 67.
- Resilient wheel. G. A. Leitzman. No. 1,077,612; Nov. 4; Gaz. vol. 196; p. 127.
- Resilient wheel. H. Kirkby. No. 1,078,149; Nov. 11; Gaz. vol. 196; p. 343.
- Resilient wheel. J. R. Ayotte. No. 1,080,621; Dec. 9; Gaz. vol. 197; p. 275.
- Resilient wheel. W. J. Jones. No. 1,080,834; Dec. 9; Gaz. vol. 197; p. 352.
- Resilient wheel. R. B. and W. B. Gray. No. 1,080,909; Dec. 9; Gaz. vol. 197; p. 376.
- Resilient wheel. F. F. Patzman. No. 1,082,900; Dec. 30; Gaz. vol. 197; p. 1150.
- Resilient wheel for motor-cars and the like. J. E. Graham and G. Wallace. No. 1,078,430; Nov. 11; Gaz. vol. 196; p. 443.
- Resin, Vulcanizing glycerol. W. C. Arsem. No. 1,082,106; Dec. 23; Gaz. vol. 197; p. 842.
- Resinous compound. D. Whipple. No. 1,083,169; Dec. 30; Gaz. vol. 197; p. 1236.
- Resinous compound. D. Whipple. No. 1,083,170; Dec. 30; Gaz. vol. 197; p. 1236.
- Resinous compound, Producing a. D. Whipple. No. 1,083,168; Dec. 30; Gaz. vol. 197; p. 1236.
- Resistance. W. R. Youmans. No. 1,065,015; June 17; Gaz. vol. 191; p. 696.
- Resistance device. H. G. Thompson. No. 1,053,242; Feb. 18; Gaz. vol. 187; p. 553.
- Resistance device. L. and H. L. Bradley. No. 1,054,902; Mar. 4; Gaz. vol. 188; p. 85.
- Resistance-grid. H. J. Wiegand. No. 1,071,843; Sept. 2; Gaz. vol. 194; p. 60.
- Resistance-inclosure. C. A. Rhine and C. H. Keeney. No. 1,067,880; July 22; Gaz. vol. 192; p. 779.
- Resistance, Reinforced-grid. H. J. Wiegand. No. 1,071,844; Sept. 2; Gaz. vol. 194; p. 61.
- Resistance unit. W. L. Bliss. No. 1,073,320; Sept. 16; Gaz. vol. 194; p. 639.
- Resistance, Water-cooled. W. L. R. Emmet. No. 1,062,900; May 27; Gaz. vol. 190; p. 907.
- Resistances, Casing for. A. W. Berresford. No. 1,080,947; Dec. 9; Gaz. vol. 197; p. 389.
- Resistant surfaces, Making. A. D. Morris. No. 1,072,026; Sept. 2; Gaz. vol. 194; p. 122.
- Respiration, Apparatus for producing artificial. K. A. (A.) E. Fries. No. 1,057,633; Apr. 1; Gaz. vol. 189; p. 80.
- Respirator. W. P. Brewster. No. 1,050,718; Jan. 14; Gaz. vol. 186; p. 508.
- Respirator. S. W. Greene. No. 1,056,988; Mar. 25; Gaz. vol. 188; p. 891.
- Respirator. R. A. Myles. No. 1,069,459; Aug. 5; Gaz. vol. 193; p. 130.
- Respirator. J. Adler. No. 1,071,015; Aug. 26; Gaz. vol. 193; p. 761.
- Respirator. C. Stiriz. No. 1,071,109; Aug. 26; Gaz. vol. 193; p. 794.
- Respirator. W. F. Fanning. No. 1,079,227; Nov. 18; Gaz. vol. 196; p. 748.
- Rest, Revolving steady-. W. Schellenbach. No. 1,067,143; July 8; Gaz. vol. 192; p. 458.
- Restaurant equipment. L. E. Zerbe. No. 1,081,358; Dec. 16; Gaz. vol. 197; p. 563.
- Restraining device. J. R. Inabnit. No. 1,083,101; Dec. 30; Gaz. vol. 197; p. 1218.
- Retaining mechanism. F. N. Hall. No. 1,077,136; Oct. 28; Gaz. vol. 195; p. 987.
- Retort. D. Townsend. No. 1,068,610; July 29; Gaz. vol. 192; p. 1067.
- Retort. C. B. and M. Darrin. No. 1,704,104; Sept. 30; Gaz. vol. 194; p. 959.
- Retort-furnace, Electric. J. Bally. No. 1,079,588; Nov. 25; Gaz. vol. 196; p. 903.
- Retort-press. C. A. Wettengel. No. 1,054,064; Feb. 25; Gaz. vol. 187; p. 871.
- Retorts, Door-fastener for. A. H. Madison. No. 1,054,578; Feb. 25; Gaz. vol. 187; p. 1047.
- Retrieving mechanism. J. Hollis. No. 1,056,742; Mar. 18; Gaz. vol. 188; p. 778.
- Reverberatory furnace. A. Verzier. No. 1,058,647; Apr. 8; Gaz. vol. 189; p. 472.
- Reversible fork and rake. T. J. McIntosh. No. 1,076,048; Oct. 21; Gaz. vol. 195; p. 557.
- Reversible motor, Automatic. J. McKenney. No. 1,081,458; Dec. 16; Gaz. vol. 197; p. 597.
- Reversible table. L. E. Binsfeld. No. 1,077,901; Nov. 4; Gaz. vol. 196; p. 226.
- Reversing-furnace. P. G. Faherty. No. 1,069,402; Aug. 5; Gaz. vol. 193; p. 110.
- Reversing-gear for engines. W. A. Birchett. No. 1,080,884; Dec. 9; Gaz. vol. 197; p. 368.
- Reversing-machine, Automatic. T. H. Phillips, Jr. No. 1,077,748; Nov. 4; Gaz. vol. 196; p. 174.
- Reversing means, Motor-. H. B. Taylor. No. 1,080,026; Dec. 2; Gaz. vol. 197; p. 37.
- Reversing mechanism. L. A. Lim. No. 1,054,220; Feb. 25; Gaz. vol. 187; p. 926.
- Reversing mechanism. F. Gatta. No. 1,077,519; Nov. 4; Gaz. vol. 196; p. 99.
- Reversing mechanism, Automatic. A. B. Welty. No. 1,051,655; Jan. 28; Gaz. vol. 186; p. 899.
- Reversing mechanism, Friction. H. Moon and J. M. Reynolds. No. 1,072,145; Sept. 2; Gaz. vol. 194; p. 163.
- Revetment, Flexible. G. O. Rogers. No. 1,071,091; Aug. 26; Gaz. vol. 193; p. 788.
- Revetment for protecting embankments and banks of streams and the like. A. C. Tirapani. No. 1,058,274; Apr. 8; Gaz. vol. 189; p. 346.
- Revivifying or restoring permutit. G. Schwelkert. No. 1,054,460; Feb. 25; Gaz. vol. 187; p. 1007.
- Revolver. W. Decker. No. 1,067,004; July 8; Gaz. vol. 192; p. 410.
- Revolver attachment. M. Ferguson and J. O. Fitzgerald, Jr. No. 1,083,073; Dec. 30; Gaz. vol. 197; p. 1208.
- Revolvers, Mechanism for rotating and locking the cylinders of. E. Guerrero. No. 1,077,135; Oct. 28; Gaz. vol. 195; p. 987.
- Revolving screen. F. M. Welch. No. 1,066,558; July 8; Gaz. vol. 192; p. 257.
- Revolving ventilator. O. W. Searcy. No. 1,076,609; Oct. 21; Gaz. vol. 195; p. 753.
- Rewind mechanism. A. Anderson. No. 1,082,253; Dec. 23; Gaz. vol. 197; p. 893.
- Rheostat. T. Rhodus. No. 1,053,219; Feb. 18; Gaz. vol. 187; p. 546.
- Rheostat. W. G. Gillig. No. 1,064,722; June 17; Gaz. vol. 191; p. 602.
- Rheostat. D. P. Ruger. No. 1,073,173; Sept. 16; Gaz. vol. 194; p. 586.
- Rheostat. R. L. Watkins. No. 1,082,982; Dec. 30; Gaz. vol. 197; p. 1178.
- Rheostat, Adjustable field-. P. J. Ray. No. 1,070,629; Aug. 19; Gaz. vol. 193; p. 600.
- Rheostat, Automatic. H. M. Grossman and J. Wynn, Jr. No. 1,078,785; Nov. 18; Gaz. vol. 196; p. 597.
- Rheostat for polyphase circuits, Alternating-current. W. H. Gaulke. No. 1,051,098; Jan. 21; Gaz. vol. 186; p. 679.
- Ribbon-bolt clasp. B. Rosenfeld. No. 1,080,999; Dec. 9; Gaz. vol. 197; p. 406.
- Ribbon-controlling mechanism. B. E. Brown. No. 1,064,703; June 17; Gaz. vol. 191; p. 595.
- Ribbon-holder. N. G. Denney. No. 1,060,435; Apr. 29; Gaz. vol. 189; p. 1203.
- Ribbon holder and measuring device, Combined. R. B. E. Kallam. No. 1,082,337; Dec. 23; Gaz. vol. 197; p. 923.
- Ribbon mechanism. C. V. Wilgus. No. 1,063,405; June 3; Gaz. vol. 191; p. 80.
- Ribbon-reversing mechanism, Automatic ink-. G. J. Barrett. No. 1,065,769; June 24; Gaz. vol. 191; p. 988.
- Rice-hulling machine. R. W. Welch. No. 1,077,659; Nov. 4; Gaz. vol. 196; p. 144.
- Riddling-machine. J. Donaldson. No. 1,052,434; Feb. 4; Gaz. vol. 187; p. 202.
- Riding-habit. M. Cowen. No. 1,059,527; Apr. 22; Gaz. vol. 189; p. 853.

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- Rifle, F. J. Cooper. No. 1,079,471; Nov. 25; Gaz. vol. 196; p. 861.
- Rifle, Air-. E. E. Redfield. No. 1,057,171; Mar. 25; Gaz. vol. 188; p. 954.
- Rifle, Air-. E. H. Searle. No. 1,063,072; May 27; Gaz. vol. 190; p. 964.
- Rifle, Bolt-action. G. Norman. No. 1,068,360; July 22; Gaz. vol. 192; p. 943.
- Rifle-cleaning table. D. L. Larsen. No. 1,062,922; May 27; Gaz. vol. 190; p. 915.
- Rifle, gunnery, and like practice, Apparatus for. F. Mitchell. No. 1,075,589; Oct. 14; Gaz. vol. 195; p. 372.
- Rifle, Magazine air-. E. H. Searle. No. 1,065,556; June 24; Gaz. vol. 191; p. 915.
- Rifle-range, target, and the like. A. N. Whitney. No. 1,061,577; May 13; Gaz. vol. 190; p. 386.
- Rifling-machine. J. H. Torney. No. 1,067,285; July 15; Gaz. vol. 192; p. 544.
- Rim, J. S. Johnston. No. 1,068,061; July 22; Gaz. vol. 192; p. 839.
- Rim-brace and tire-clamp. J. P. Corbett. No. 1,052,572; Feb. 11; Gaz. vol. 187; p. 280.
- Rim construction. J. A. Glenn. No. 1,063,531; June 3; Gaz. vol. 191; p. 121.
- Rim construction. J. C. Cole. No. 1,068,041; July 22; Gaz. vol. 192; p. 833.
- Rim, Demountable. E. R. Cox. No. 1,051,694; Jan. 28; Gaz. vol. 186; p. 911.
- Rim, Demountable. A. Denis. No. 1,056,156; Mar. 18; Gaz. vol. 188; p. 576.
- Rim, Demountable. G. H. Drake and C. Promenchenkel. No. 1,058,354; Apr. 8; Gaz. vol. 189; p. 375.
- Rim, Demountable. R. W. Ashley and F. Oberkirch. No. 1,058,399; Apr. 8; Gaz. vol. 189; p. 391.
- Rim, Demountable. R. W. Ashley and F. Oberkirch. No. 1,058,400; Apr. 8; Gaz. vol. 189; p. 391.
- Rim, Demountable. J. H. Champ. No. 1,061,816; May 13; Gaz. vol. 190; p. 462.
- Rim, Demountable. J. D. Kennedy. No. 1,064,342; June 10; Gaz. vol. 191; p. 435.
- Rim, Demountable. W. J. Lane. No. 1,067,744; July 15; Gaz. vol. 192; p. 699.
- Rim, Demountable. W. C. Baer. No. 1,068,204; July 22; Gaz. vol. 192; p. 888.
- Rim, Demountable. F. and N. M. Spranger. No. 1,069,349; Aug. 5; Gaz. vol. 193; p. 92.
- Rim, Demountable. A. McPherson. No. 1,073,506; Sept. 16; Gaz. vol. 194; p. 702.
- Rim, Demountable. W. F. Jenkins. No. 1,076,430; Oct. 21; Gaz. vol. 195; p. 689.
- Rim, Demountable. J. M. Gilbert. No. 1,078,579; Nov. 11; Gaz. vol. 196; p. 491.
- Rim, Demountable. L. A. Gordon. No. 1,080,337; Dec. 2; Gaz. vol. 197; p. 146.
- Rim, Demountable. R. W. Ashley and F. Oberkirch. No. 1,082,299; Dec. 23; Gaz. vol. 197; p. 911.
- Rim-finishing machine. J. G. Vance. No. 1,057,785; Apr. 1; Gaz. vol. 189; p. 133.
- Rim polishing and finishing machine. J. G. Vance. No. 1,057,786; Apr. 1; Gaz. vol. 189; p. 133.
- Rim, Sectional. S. S. Morris. No. 1,078,798; Nov. 18; Gaz. vol. 196; p. 601.
- Rims, Locking apparatus for demountable. R. W. Ashley and F. Oberkirch. No. 1,058,401; Apr. 8; Gaz. vol. 189; p. 392.
- Rimming-machine. O. Colborne. No. 1,071,881; Sept. 2; Gaz. vol. 194; p. 73.
- Ring: See Finger-ring; Hose-coupling clamp-ring; Key-ring; Locking-ring; Mail-bag ring; Metallic ring; Oil-ring; Packing-ring; Piston-ring; Spinning-ring; Thrust-ring; Tire-holding ring.
- Ring fabric. C. Holl. No. 1,050,216; Jan. 14; Gaz. vol. 186; p. 338.
- Ring-forming apparatus. H. Henrich. No. 1,059,993; Apr. 29; Gaz. vol. 189; p. 1049.
- Ring-forming machine. E. Truman. No. 1,071,370; Aug. 26; Gaz. vol. 193; p. 881.
- Ring-forming machine. A. M. Bates. No. 1,071,386; Aug. 26; Gaz. vol. 193; p. 887.
- Ring-forming tool. J. Merritt. No. 1,067,876; July 22; Gaz. vol. 192; p. 777.
- Ring-gage. J. B. Ingalls. No. 1,069,551; Aug. 5; Gaz. vol. 193; p. 160.
- Ring-setting. R. Rosenthal. No. 1,081,153; Dec. 9; Gaz. vol. 197; p. 455.
- Rings, Tool for applying travelers to. H. W. Owen. No. 1,073,280; Sept. 16; Gaz. vol. 194; p. 624.
- Rivet-bolt holder. A. Salucci. No. 1,083,145; Dec. 30; Gaz. vol. 197; p. 1230.
- Rivet-catching receptacle. J. B. Jones. No. 1,057,555; Apr. 1; Gaz. vol. 189; p. 54.
- Rivet-catching receptacle. W. Trauth. No. 1,058,117; Apr. 8; Gaz. vol. 189; p. 292.
- Rivet-cloth. Apparatus for making. J. T. Rutledge. No. 1,071,264; Aug. 26; Gaz. vol. 193; p. 845.
- Rivet-holding device. H. J. Kroskowski. No. 1,068,671; July 29; Gaz. vol. 192; p. 1088.
- Rivet manufacture. N. E. Clark. No. 1,051,088; Jan. 21; Gaz. vol. 186; p. 675.
- Rivets, Tool or implement for removing. C. B. Thomas. No. 1,051,356; Jan. 21; Gaz. vol. 186; p. 763.
- Riveter. F. J. West and H. W. Darby. No. 1,074,396; Sept. 30; Gaz. vol. 194; p. 1055.
- Riveting-machine. O. L. Hemming. No. 1,054,544; Feb. 25; Gaz. vol. 187; p. 1035.
- Riveting-machine. H. P. Townsend. No. 1,064,570; June 10; Gaz. vol. 191; p. 514.
- Riveting-machine. N. Marshall. No. 1,079,783; Nov. 25; Gaz. vol. 196; p. 972.
- Riveting-machine, Electric. J. Burke. No. 1,062,883; May 27; Gaz. vol. 190; p. 901.
- Riveting-machine, multiple drive. A. R. Havener. No. 1,081,447; Dec. 16; Gaz. vol. 197; p. 593.
- Riveting-machines, Magnetic pick-up for. D. C. Sassemann. No. 1,079,148; Nov. 18; Gaz. vol. 196; p. 722.
- Road and street surfacing. J. H. Amies. No. 1,082,478; Dec. 23; Gaz. vol. 197; p. 968.
- Road-bed and construction thereof. C. Ellis. No. 1,068,048; July 22; Gaz. vol. 192; p. 835.
- Road-building machine. E. F. Stevens and W. Roach. No. 1,070,198; Aug. 12; Gaz. vol. 193; p. 411.
- Road-cutter or the like. L. D. Craig. No. 1,050,003; Jan. 7; Gaz. vol. 186; p. 231.
- Road-machine. H. T. Knight. No. 1,082,959; Dec. 30; Gaz. vol. 197; p. 1171.
- Road-machine, Traction. J. R. Harrison. No. 1,066,811; July 8; Gaz. vol. 192; p. 346.
- Road-machines, Scarifying attachment for. D. C. Boyd. No. 1,058,841; Apr. 15; Gaz. vol. 189; p. 579.
- Road-making machine. C. F. Keables. No. 1,060,604; May 6; Gaz. vol. 190; p. 14.
- Road-making machine. M. A. Popkess. No. 1,062,113; May 20; Gaz. vol. 190; p. 605.
- Road-making material, Apparatus for treating. J. Hines. No. 1,049,581; Jan. 7; Gaz. vol. 186; p. 91.
- Road-planer. J. W. Mosher. No. 1,068,155; July 22; Gaz. vol. 192; p. 871.
- Road planer and leveler. W. T. Headley. No. 1,055,529; Mar. 11; Gaz. vol. 188; p. 330.
- Road-preparing machine. H. F. Berry. No. 1,073,021; Sept. 9; Gaz. vol. 194; p. 497.
- Road-roller. R. E. B. Crompton and E. T. J. Tapp. No. 1,078,538; Nov. 11; Gaz. vol. 196; p. 477.
- Road surface and preservative. H. R. Wardell. No. 1,058,503; Apr. 8; Gaz. vol. 189; p. 426.
- Road-surfacing composition for surfacing roads, drive-ways, and sidewalks. R. Muh and A. Schupp. No. 1,074,131; Sept. 30; Gaz. vol. 194; p. 967.
- Road-surfacing machine. W. H. Gailor. No. 1,058,420; Apr. 8; Gaz. vol. 189; p. 398.
- Road-surfacing machine. M. A. Popkess. No. 1,062,552; May 20; Gaz. vol. 190; p. 749.
- Road-wheel, Elastic. J. Spyker. No. 1,075,168; Oct. 7; Gaz. vol. 195; p. 199.
- Road-working machine. P. V. Burson. No. 1,069,524; Aug. 5; Gaz. vol. 193; p. 151.
- Roads, Making. J. S. Robeson. No. 1,075,856; Oct. 14; Gaz. vol. 195; p. 463.
- Roads, Making. J. S. Robeson. No. 1,075,857; Oct. 14; Gaz. vol. 195; p. 463.
- Roads, Surfacing. T. J. Barrett. No. 1,051,478; Jan. 28; Gaz. vol. 186; p. 839.
- Roads, &c., Treating. J. S. Robeson. No. 1,069,029; July 29; Gaz. vol. 192; p. 1213.
- Roads, &c., Treating. J. S. Robeson. No. 1,069,030; July 29; Gaz. vol. 192; p. 1213.
- Roadway for vehicles. F. L. Pitman. No. 1,056,935; Mar. 25; Gaz. vol. 188; p. 873.
- Roadways, Constructing. D. B. W. Alexander. No. 1,082,722; Dec. 30; Gaz. vol. 197; p. 1089.
- Roadways, Machine for consolidating the road metal in the construction and maintenance of metaled. R. Coutant and E. J. J. Salmson. No. 1,070,326; Aug. 12; Gaz. vol. 193; p. 455.
- Roadways, railway-beds, sidewalks, and the like, Making. M. A. Popkess. No. 1,076,782; Oct. 28; Gaz. vol. 195; p. 867.
- Roaster: See Cocoa-roaster; Coffee-roaster; Ore-roaster.
- Roaster or baker. G. Smith. No. 1,051,283; Jan. 21; Gaz. vol. 186; p. 739.
- Roasting and corn-popping machine. A. R. Gibson. No. 1,055,736; Mar. 11; Gaz. vol. 188; p. 398.
- Roasting apparatus, Meat-. H. Klein. No. 1,051,502; Jan. 28; Gaz. vol. 186; p. 847.
- Roasting apparatus, Meat-. H. Klein. No. 1,051,503; Jan. 28; Gaz. vol. 186; p. 847.
- Roasting-furnace. M. V. de Lummen. No. 1,067,045; July 8; Gaz. vol. 192; p. 424.
- Roasting-furnace. F. Laist. No. 1,070,490; Aug. 19; Gaz. vol. 193; p. 554.
- Roasting-furnace. F. A. Curnow. No. 1,072,920; Sept. 9; Gaz. vol. 194; p. 461.
- Roasting-furnace. E. J. Fowler. No. 1,079,405; Nov. 25; Gaz. vol. 196; p. 839.
- Roasting-furnace. C. W. Renwick and N. L. Heinz. No. 1,080,586; Dec. 9; Gaz. vol. 197; p. 264.
- Roasting-furnace, Muffled. H. M. Ridge. No. 1,070,534; Aug. 19; Gaz. vol. 193; p. 569.

Alphabetical list of inventions—Continued.

- Robe, H. L. Hoenigsberger. No. 1,070,892; Aug. 19; Gaz. vol. 193; p. 687.
- Robe-lock. T. P. Bacon. No. 1,072,559; Sept. 9; Gaz. vol. 194; p. 333.
- Robe-support. H. W. Oster. No. 1,059,065; Apr. 15; Gaz. vol. 189; p. 658.
- Rock-breaker. M. Quenner. No. 1,076,062; Oct. 21; Gaz. vol. 195; p. 562.
- Rock-breaking machine. C. Kimplin. No. 1,067,229; July 8; Gaz. vol. 192; p. 489.
- Rock-breaking shovel. O. S. Proctor. No. 1,067,375; July 15; Gaz. vol. 192; p. 574.
- Rock-crusher. T. L. Smith. No. 1,050,398; Jan. 14; Gaz. vol. 186; p. 400.
- Rock-crusher. C. T. Hutchinson. No. 1,054,123; Feb. 25; Gaz. vol. 187; p. 891.
- Rock-crusher. C. O. Michaelson. No. 1,063,889; June 3; Gaz. vol. 191; p. 246.
- Rock-crusher. T. L. Smith. No. 1,071,362; Aug. 26; Gaz. vol. 193; p. 879.
- Rock-crusher. T. L. Smith. No. 1,075,507; Oct. 14; Gaz. vol. 195; p. 344.
- Rock-crushers and the like, Mantle for crushing-heads of gyratory. D. G. Hunter and T. G. Murton. No. 1,066,277; July 1; Gaz. vol. 192; p. 134.
- Rock-crushing machinery. J. Ribeyron. No. 1,053,220; Feb. 18; Gaz. vol. 187; p. 546.
- Rock-drill. A. Palmros. No. 1,052,373; Feb. 4; Gaz. vol. 187; p. 180.
- Rock-drill. N. Staub. No. 1,056,132; Mar. 18; Gaz. vol. 188; p. 568.
- Rock-drill. C. C. Hansen. No. 1,057,732; Apr. 1; Gaz. vol. 189; p. 114.
- Rock-drill. C. C. Hansen. No. 1,057,733; Apr. 1; Gaz. vol. 189; p. 115.
- Rock-drill. J. E. Blackburn. No. 1,057,922; Apr. 1; Gaz. vol. 189; p. 180.
- Rock-drill. C. A. Hultquist. No. 1,059,539; Apr. 22; Gaz. vol. 189; p. 857.
- Rock-drill. J. A. Thompson and E. M. Mackie. No. 1,065,007; June 17; Gaz. vol. 191; p. 693.
- Rock-drill. C. C. Hansen. No. 1,066,901; July 8; Gaz. vol. 192; p. 376.
- Rock-drill. C. Jackson. No. 1,075,424; Oct. 14; Gaz. vol. 195; p. 316.
- Rock-drill. G. W. Smith. No. 1,076,246; Oct. 21; Gaz. vol. 195; p. 623.
- Rock-drill. C. A. Hultquist. No. 1,077,911; Nov. 4; Gaz. vol. 196; p. 229.
- Rock-drill. E. M. Mackie and P. F. Doyle. No. 1,080,706; Dec. 9; Gaz. vol. 197; p. 304.
- Rock-drill. E. M. Mackie and P. F. Doyle. No. 1,080,707; Dec. 9; Gaz. vol. 197; p. 305.
- Rock-drill chambering attachment. J. B. Word. No. 1,061,210; May 6; Gaz. vol. 190; p. 222.
- Rock-drill chuck. F. Franz, W. S. Tower, and A. H. Wells. No. 1,081,527; Dec. 16; Gaz. vol. 197; p. 621.
- Rock-drill engine. G. H. Gilman. No. 1,063,194; June 3; Gaz. vol. 191; p. 9.
- Rock-drill, Percussive. C. Davenport. No. 1,054,181; Feb. 25; Gaz. vol. 187; p. 912.
- Rock-drill, Pneumatic. E. Altenhoff. No. 1,079,735; Nov. 25; Gaz. vol. 196; p. 953.
- Rock-drill, Pneumatic feed and return. E. R. Ray. No. 1,077,856; Nov. 4; Gaz. vol. 196; p. 210.
- Rock-drill - rotating mechanism. C. J. Smith. No. 1,061,788; May 13; Gaz. vol. 190; p. 454.
- Rock-drill rotator. C. T. Carnahan. No. 1,050,806; Jan. 21; Gaz. vol. 186; p. 574.
- Rock-drill tester. W. D. Paynter. No. 1,062,662; May 27; Gaz. vol. 190; p. 829.
- Rock-drill with water-feed. A. Palmros. No. 1,072,359; Sept. 2; Gaz. vol. 194; p. 233.
- Rock-drills, Bevel-cutting dies for. C. Brown. No. 1,053,475; Feb. 18; Gaz. vol. 187; p. 635.
- Rock-drills, Gaging-dies for. C. Brown. No. 1,053,474; Feb. 18; Gaz. vol. 187; p. 634.
- Rock-drills, &c., Locking-chuck for. S. W. Brothers. No. 1,075,325; Oct. 14; Gaz. vol. 195; p. 280.
- Rock-drills, Sharpening-dies for. C. Brown. No. 1,053,476; Feb. 18; Gaz. vol. 187; p. 635.
- Rock-drills, Valve-motion for. L. C. Bayles. No. 1,077,584; Nov. 4; Gaz. vol. 196; p. 119.
- Rock-drills, Valved connection for. S. W. Brothers. No. 1,075,324; Oct. 14; Gaz. vol. 195; p. 280.
- Rock-drilling engine. J. G. Leyner. No. 1,058,072; Apr. 8; Gaz. vol. 189; p. 275.
- Rock-drilling engine. J. G. Leyner. (Reissue.) No. 1,361,4; Sept. 9; Gaz. vol. 194; p. 519.
- Rock-drilling engines, Water-conveying apparatus for ejecting rock-drillings for. J. G. Leyner. No. 1,058,073; Apr. 8; Gaz. vol. 189; p. 276.
- Rock-drilling machine. D. S. Waugh. No. 1,067,388; July 15; Gaz. vol. 192; p. 578.
- Rock, Sawing. C. F. Meek. No. 1,050,972; Jan. 21; Gaz. vol. 186; p. 634.
- Rocker, Collapsible shoo-fly. A. D. Converse. No. 1,079,399; Nov. 25; Gaz. vol. 196; p. 837.
- Rod; See Connecting-rod; Curtain-rod; Drill-rod; Fishing-rod; Gun-rod; Gun-cleaning rod; Lightning-rod; Pump-rod; Stair-rod; Sucker-rod; Surveyor's rod; Switch-rod.
- Rod-bender. R. Sample and L. A. Fleitz. No. 1,076,521; Oct. 21; Gaz. vol. 195; p. 721.
- Rod-bending apparatus. E. L. Brown, Jr. No. 1,066,247; July 1; Gaz. vol. 192; p. 123.
- Rod-bending machine. C. J. Cronander. No. 1,050,348; Jan. 14; Gaz. vol. 186; p. 384.
- Rod connection. L. H. Nash. No. 1,081,768; Dec. 16; Gaz. vol. 197; p. 698.
- Rod, Curtain-. F. L. Lathrop. No. 1,055,925; Mar. 11; Gaz. vol. 188; p. 462.
- Rod or bar, Machine for severing uniform lengths from a. F. H. Pierpont. No. 1,061,564; May 13; Gaz. vol. 190; p. 381.
- Rod-puller. J. H. Hooker. No. 1,064,073; June 10; Gaz. vol. 191; p. 343.
- Rodent destruction, Machine for. J. D. Long, D. H. Currie, and F. Simpson. No. 1,059,622; Apr. 22; Gaz. vol. 189; p. 884.
- Rodent-extermicator. A. Bailey. No. 1,080,529; Dec. 9; Gaz. vol. 197; p. 243.
- Rodent-trap. J. M. Wolfe. No. 1,049,634; Jan. 7; Gaz. vol. 186; p. 109.
- Roll. F. Lauhoff. No. 1,062,170; May 20; Gaz. vol. 190; p. 624.
- Roll. H. Parker. No. 1,070,520; Aug. 19; Gaz. vol. 193; p. 564.
- Roll. J. S. Seaman, Jr. No. 1,071,810; Sept. 2; Gaz. vol. 194; p. 50.
- Roll, Broken. G. G. Rhinevault. No. 1,059,486; Apr. 22; Gaz. vol. 189; p. 840.
- Roll-cap. F. P. McColl. No. 1,082,280; Dec. 23; Gaz. vol. 197; p. 903.
- Roll cleaner, Snapping-. F. L. Jerome. No. 1,064,654; June 10; Gaz. vol. 191; p. 541.
- Roll-holder. J. L. Griswold. No. 1,051,808; Jan. 28; Gaz. vol. 186; p. 948.
- Roll-housing. W. Johnson. No. 1,054,920; Mar. 4; Gaz. vol. 188; p. 90.
- Roll-polisher. C. W. Townsend. No. 1,072,195; Sept. 2; Gaz. vol. 194; p. 179.
- Roll-polishing device, Equalizing. C. L. Hill. No. 1,059,363; Apr. 22; Gaz. vol. 189; p. 796.
- Roll ramming apparatus. H. P. Macdonald. No. 1,052,604; Feb. 11; Gaz. vol. 187; p. 292.
- Roll ramming apparatus. H. P. Macdonald. No. 1,056,565; Mar. 18; Gaz. vol. 188; p. 717.
- Roll ramming apparatus. H. P. Macdonald. No. 1,058,078; Apr. 8; Gaz. vol. 189; p. 278.
- Roll ramming mechanism. H. P. Macdonald. No. 1,060,848; May 6; Gaz. vol. 190; p. 98.
- Rolls, Manufacture of. J. S. Seaman, Jr. No. 1,071,809; Sept. 2; Gaz. vol. 194; p. 49.
- Roller; See Cable-roller; Cotton-gin roller; Curtain-roller; Expandable roller; Feed-roller; Inking-roller; Knife-roller; Land-roller; Road-roller; Shade-roller; Spring-roller; Stump-roller; Type-writer roller.
- Roller. W. H. Wittrock. No. 1,055,113; Mar. 4; Gaz. vol. 188; p. 155.
- Roller, Adjustably-mounted swivel-. T. W. Doolittle, C. S. Winsor, and C. H. Vergason. No. 1,077,906; Nov. 4; Gaz. vol. 196; p. 228.
- Roller and tractor, Combined. A. Baechle. No. 1,052,643; Feb. 11; Gaz. vol. 187; p. 305.
- Roller construction, Winding-. G. H. Demore. No. 1,076,959; Oct. 28; Gaz. vol. 195; p. 930.
- Roller-iron. F. Chatfield. No. 1,053,572; Feb. 18; Gaz. vol. 187; p. 669.
- Roller-mill automatic feed-gate. A. C. Brantingham. No. 1,054,334; Feb. 25; Gaz. vol. 187; p. 963.
- Roller-screen. F. J. Brusky and C. G. Voelkner. No. 1,068,975; July 29; Gaz. vol. 192; p. 1195.
- Rollers in metal tubes or eyelets, Automatic machine for placing and fixing. V. J. Bunet. No. 1,062,765; May 27; Gaz. vol. 190; p. 862.
- Rolling bars or girders of I, H, U, or like section. J. Puppe. No. 1,076,784; Oct. 28; Gaz. vol. 195; p. 868.
- Rolling bin. A. K. Gillespie. No. 1,056,166; Mar. 18; Gaz. vol. 188; p. 579.
- Rolling chair for dolls and infants, Novelty. L. R. Kern. No. 1,063,884; June 3; Gaz. vol. 191; p. 243.
- Rolling deep-flanged shapes. T. H. Mathias. No. 1,082,756; Dec. 30; Gaz. vol. 197; p. 1101.
- Rolling flanged sections. G. H. Barbour. No. 1,079,739; Nov. 25; Gaz. vol. 196; p. 954.
- Rolling ingots. J. E. York. No. 1,078,119; Nov. 11; Gaz. vol. 196; p. 333.
- Rolling machine, Metal-. S. D. Sturgis. No. 1,062,807; May 27; Gaz. vol. 190; p. 876.
- Rolling mechanism, Bolt-thread-. G. A. J. Hainsworth. No. 1,055,459; Mar. 11; Gaz. vol. 188; p. 308.
- Rolling-mill. A. A. Neave. No. 1,056,203; Mar. 18; Gaz. vol. 188; p. 591.
- Rolling-mill. J. Fawell. No. 1,071,720; Sept. 2; Gaz. vol. 194; p. 17.
- Rolling-mill. F. A. Wilmot. No. 1,071,846; Sept. 2; Gaz. vol. 194; p. 61.

Alphabetical list of inventions—Continued.

- Rolling-mill. G. H. Barbour. No. 1,078,240; Nov. 11; Gaz. vol. 196; p. 374.
- Rolling-mill driving-pinion. W. G. Nichols. No. 1,072,488; Sept. 9; Gaz. vol. 194; p. 307.
- Rolling-mill feed device. H. D. Cook. No. 1,054,748; Mar. 4; Gaz. vol. 188; p. 33.
- Rolling-mill for making pipes. H. Schilling. No. 1,052,848; Feb. 11; Gaz. vol. 187; p. 375.
- Rolling-mill for rolling tubes. M. Koch. No. 1,067,990; July 22; Gaz. vol. 192; p. 814.
- Rolling-mill guide. J. Kennedy. No. 1,061,676; May 13; Gaz. vol. 190; p. 420.
- Rolling mills, Automatic guide-box for iron and steel. D. M. Griffiths. No. 1,078,045; Nov. 11; Gaz. vol. 196; p. 307.
- Rolling-mills, Looping device for. F. W. Waterman. No. 1,072,676; Sept. 9; Gaz. vol. 194; p. 372.
- Rolling-mills, Screw-down for. W. F. Rust and C. H. Hunt. No. 1,074,529; Sept. 30; Gaz. vol. 194; p. 1097.
- Rolling process and apparatus therefor, Continuous tube. R. C. Stiefel. No. 1,055,368; Mar. 11; Gaz. vol. 188; p. 277.
- Rolling profile iron with parallel flanges. W. Vassen. No. 1,068,467; July 29; Gaz. vol. 192; p. 1018.
- Rolling tapered axles, Apparatus for. W. D. Eynon. No. 1,069,869; Aug. 12; Gaz. vol. 193; p. 300.
- Rolling towels, napkins, and the like, Apparatus for. P. G. Merritt. No. 1,051,430; Jan. 28; Gaz. vol. 186; p. 822.
- Röntgen rays, Means for producing. A. Wasmas. No. 1,067,851; July 22; Gaz. vol. 192; p. 769.
- Roof. R. W. Burnett. No. 1,083,239; Dec. 30; Gaz. vol. 197; p. 1260.
- Roof and tile therefor, Tile. J. Freund. No. 1,082,076; Dec. 23; Gaz. vol. 197; p. 832.
- Roof-climber. J. A. Elliott. No. 1,070,951; Aug. 19; Gaz. vol. 193; p. 705.
- Roof construction. H. F. Winkelmänn. No. 1,073,551; Sept. 16; Gaz. vol. 194; p. 718.
- Roof for silos and the like, Sectional. E. L. Paige. No. 1,056,825; Mar. 25; Gaz. vol. 188; p. 834.
- Roof-jack. B. P. Darnall. No. 1,054,091; Feb. 25; Gaz. vol. 187; p. 880.
- Roof-joint. C. A. Overton. No. 1,080,159; Dec. 2; Gaz. vol. 197; p. 84.
- Roof-light. A. Klein. No. 1,076,500; Oct. 21; Gaz. vol. 195; p. 714.
- Roof-sheet-fastening clip. W. Pfeifer. No. 1,062,355; May 20; Gaz. vol. 190; p. 686.
- Roofs, Bracket for use in shingling. H. G. Rounds. No. 1,080,658; Dec. 9; Gaz. vol. 197; p. 288.
- Roofs, floors, &c., Machine for waterproofing. R. R. Mabie. No. 1,058,315; Apr. 8; Gaz. vol. 189; p. 361.
- Roofing. T. R. Hackworth. No. 1,052,245; Feb. 4; Gaz. vol. 187; p. 139.
- Roofing. G. Newton. No. 1,061,685; May 13; Gaz. vol. 190; p. 423.
- Roofing. C. Russell. No. 1,070,738; Aug. 19; Gaz. vol. 193; p. 637.
- Roofing. W. F. McKay. No. 1,080,647; Dec. 9; Gaz. vol. 197; p. 284.
- Roofing, &c., and preparing the same, Material for. J. W. Aylsworth. No. 1,077,113; Oct. 28; Gaz. vol. 195; p. 981.
- Roofing and the like, Metallic. H. C. Ferron. No. 1,061,231; May 6; Gaz. vol. 190; p. 229.
- Roofing, Composite. W. L. Barnhart. No. 1,074,404; Sept. 30; Gaz. vol. 194; p. 1058.
- Roofing for buildings. H. W. Deming. No. 1,051,702; Jan. 28; Gaz. vol. 186; p. 914.
- Roofing, Lap-joint for corrugated. H. L. Leilich. No. 1,068,393; July 22; Gaz. vol. 192; p. 954.
- Roofing, Leak-proof strip for metal. K. Roth. No. 1,076,065; Oct. 21; Gaz. vol. 195; p. 563.
- Roofing material. S. G. Wright. No. 1,075,745; Oct. 14; Gaz. vol. 195; p. 425.
- Roofing material, Fastener for sheet. W. N. Nicholls and A. W. Carmichael. No. 1,076,639; Oct. 21; Gaz. vol. 195; p. 765.
- Roofing material, Ready-. W. H. Woerheide. No. 1,055,848; Mar. 11; Gaz. vol. 188; p. 437.
- Roofing, Means for applying colored designs to composition. A. S. Spiegel. No. 1,082,364; Dec. 23; Gaz. vol. 197; p. 933.
- Roofing, Multistrip kerfed-edge. W. F. McKay. No. 1,068,710; June 3; Gaz. vol. 191; p. 189.
- Roofing-nail. E. J. Kenney. No. 1,052,258; Feb. 4; Gaz. vol. 187; p. 143.
- Roofing-plate, Sheet-metal. H. E. Moomaw. No. 1,072,025; Sept. 2; Gaz. vol. 194; p. 122.
- Roofing, Ready-to-lay composition. W. C. Edwards, Jr. No. 1,083,243; Dec. 30; Gaz. vol. 197; p. 1261.
- Roofing, Sheet-metal. K. Roth. No. 1,072,508; Sept. 9; Gaz. vol. 194; p. 314.
- Roofing-sheet, Waterproof. S. C. Irving. No. 1,062,400; May 20; Gaz. vol. 190; p. 701.
- Roofing-tool. T. C. Holsclaw. No. 1,073,580; Sept. 16; Gaz. vol. 194; p. 727.
- Roost, Chicken-. J. H. Conner. No. 1,055,387; Mar. 11; Gaz. vol. 188; p. 283.
- Roost, Chicken-. R. E. Finley. No. 1,070,439; Aug. 19; Gaz. vol. 193; p. 536.
- Roost, Poultry-. J. A. Allen. No. 1,052,553; Feb. 11; Gaz. vol. 187; p. 274.
- Rope and wire clamp. J. Park. No. 1,066,751; July 8; Gaz. vol. 192; p. 327.
- Rope-clamp. F. A. Warter. No. 1,057,307; Mar. 25; Gaz. vol. 188; p. 999.
- Rope-clamp. R. J. Kimlin. No. 1,063,354; June 3; Gaz. vol. 191; p. 62.
- Rope-clamp. D. C. Fraley. No. 1,065,866; June 24; Gaz. vol. 191; p. 1020.
- Rope-clamp. R. E. Gruber. No. 1,069,942; Aug. 12; Gaz. vol. 193; p. 323.
- Rope-clamp and hook, Combined. W. H. Harrison. No. 1,069,250; Aug. 5; Gaz. vol. 193; p. 58.
- Rope-coupling. F. Ewing. No. 1,050,116; Jan. 14; Gaz. vol. 186; p. 305.
- Rope-coupling. S. E. Reagles. No. 1,079,881; Nov. 25; Gaz. vol. 196; p. 1004.
- Rope elevator. M. E. Neenan. No. 1,073,700; Sept. 23; Gaz. vol. 194; p. 794.
- Rope-fastener. E. D. Wood. No. 1,072,556; Sept. 9; Gaz. vol. 194; p. 332.
- Rope-fitting. E. R. Shnable. No. 1,073,292; Sept. 16; Gaz. vol. 194; p. 628.
- Rope-fitting, Metallic. B. H. Trewbella. No. 1,073,720; Sept. 23; Gaz. vol. 194; p. 801.
- Rope for haulage and other purposes. G. Matricardi. No. 1,061,252; May 6; Gaz. vol. 190; p. 236.
- Rope-grip device. G. R. Hill. No. 1,075,567; Oct. 14; Gaz. vol. 195; p. 365.
- Rope-laying machine. W. L. Tobey. No. 1,078,010; Nov. 11; Gaz. vol. 196; p. 295.
- Rope-laying machine. W. L. Tobey. No. 1,078,073; Nov. 11; Gaz. vol. 196; p. 317.
- Rope protector, Bull-. P. A. Schmuck. No. 1,074,212; Sept. 30; Gaz. vol. 194; p. 994.
- Rope-securing device. C. Weber. No. 1,055,246; Mar. 4; Gaz. vol. 188; p. 197.
- Rope-socket. C. M. Heeter. No. 1,051,226; Jan. 21; Gaz. vol. 186; p. 719.
- Rope-socket. F. W. Shirey and J. W. Dodd. No. 1,061,134; May 6; Gaz. vol. 190; p. 197.
- Rope-terminal. L. H. Randolph. No. 1,079,363; Nov. 25; Gaz. vol. 196; p. 824.
- Rope-tie. J. Heberling. No. 1,069,135; Aug. 5; Gaz. vol. 193; p. 16.
- Ropes or cables, Ball-bearing connecting device for. G. John. No. 1,064,225; June 10; Gaz. vol. 191; p. 397.
- Ropes or threads, Machine for producing. A. Rabe. No. 1,062,796; May 27; Gaz. vol. 190; p. 873.
- Rosin and other by-products from wood, Extracting. W. M. Bashlin. No. 1,059,261; Apr. 15; Gaz. vol. 189; p. 725.
- Rosin and turpentine from wood, Obtaining. C. Howard. No. 1,082,526; Dec. 30; Gaz. vol. 197; p. 1018.
- Rossing apparatus for removing bark from logs. O. J. Mills. No. 1,060,928; May 6; Gaz. vol. 190; p. 126.
- Rotary and method of securing the pipe-gripping device thereon. H. R. Decker. No. 1,054,512; Feb. 25; Gaz. vol. 187; p. 1025.
- Rotary bit and holder, Hydraulic. J. R. Myers. No. 1,080,575; Dec. 9; Gaz. vol. 197; p. 260.
- Rotary combustion-engine. C. H. Tangeman. No. 1,060,297; Apr. 29; Gaz. vol. 189; p. 1153.
- Rotary combustion-engine. C. H. Tangeman. No. 1,061,025; May 6; Gaz. vol. 190; p. 162.
- Rotary combustion-engine, Valveless. M. Tips. No. 1,051,290; Jan. 21; Gaz. vol. 186; p. 742.
- Rotary cutter. H. J. Parker. No. 1,079,799; Nov. 25; Gaz. vol. 196; p. 977.
- Rotary device. M. Golubovitz. No. 1,050,123; Jan. 14; Gaz. vol. 186; p. 306.
- Rotary drier. C. B. Smith. No. 1,072,186; Sept. 2; Gaz. vol. 194; p. 176.
- Rotary drier. L. F. Griswold and C. B. Smith. No. 1,080,629; Dec. 9; Gaz. vol. 197; p. 278.
- Rotary drill. L. A. Owens. No. 1,076,515; Oct. 21; Gaz. vol. 195; p. 719.
- Rotary engine. J. W. Kincaid. No. 1,050,952; Jan. 21; Gaz. vol. 186; p. 627.
- Rotary engine. J. H. Lindell. No. 1,051,134; Jan. 21; Gaz. vol. 186; p. 690.
- Rotary engine. A. G. Doedyns. No. 1,052,045; Feb. 4; Gaz. vol. 187; p. 69.
- Rotary engine. D. Berger. No. 1,052,124; Feb. 4; Gaz. vol. 187; p. 97.
- Rotary engine. B. Escher. No. 1,052,658; Feb. 11; Gaz. vol. 187; p. 310.
- Rotary engine. J. McRae. No. 1,053,739; Feb. 18; Gaz. vol. 187; p. 727.
- Rotary engine. W. N. Allan. No. 1,053,767; Feb. 18; Gaz. vol. 187; p. 735.
- Rotary engine. J. S. Livengood. No. 1,056,286; Mar. 18; Gaz. vol. 188; p. 619.
- Rotary engine. F. J. L. Bylger. No. 1,056,400; Mar. 18; Gaz. vol. 188; p. 656.
- Rotary engine. W. H. H. Morelock. No. 1,056,927; Mar. 25; Gaz. vol. 188; p. 870.
- Rotary engine. W. Scott. No. 1,056,949; Mar. 25; Gaz. vol. 188; p. 878.

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- Rotary engine. C. H. Clark. No. 1,058,153; Apr. 8; Gaz. vol. 189; p. 304.
- Rotary engine. J. W. Curtis and M. M. Parker. No. 1,058,157; Apr. 8; Gaz. vol. 189; p. 306.
- Rotary engine. B. L. Quayle and H. L. Cummins. No. 1,058,331; Apr. 8; Gaz. vol. 189; p. 367.
- Rotary engine. L. B. Gesner. No. 1,058,424; Apr. 8; Gaz. vol. 189; p. 400.
- Rotary engine. W. W. Thompson. No. 1,058,496; Apr. 8; Gaz. vol. 189; p. 423.
- Rotary engine. H. A. Recen. No. 1,059,637; Apr. 22; Gaz. vol. 189; p. 887.
- Rotary engine. S. C. Baughn and G. A. Wright. No. 1,059,702; Apr. 22; Gaz. vol. 189; p. 909.
- Rotary engine. A. Petersen. No. 1,060,021; Apr. 29; Gaz. vol. 189; p. 1038.
- Rotary engine. W. W. Wheeler. No. 1,060,390; Apr. 29; Gaz. vol. 189; p. 1186.
- Rotary engine. W. H. Ogden. No. 1,060,699; May 6; Gaz. vol. 190; p. 47.
- Rotary engine. J. G. Quinby. No. 1,061,122; May 6; Gaz. vol. 190; p. 194.
- Rotary engine. A. M. Condit. No. 1,061,452; May 13; Gaz. vol. 190; p. 340.
- Rotary engine. L. G. Smith. No. 1,062,193; May 20; Gaz. vol. 190; p. 632.
- Rotary engine. G. F. Weiss. No. 1,062,866; May 27; Gaz. vol. 190; p. 896.
- Rotary engine. E. F. Prall. No. 1,064,169; June 10; Gaz. vol. 191; p. 377.
- Rotary engine. J. Johnson. No. 1,064,226; June 10; Gaz. vol. 191; p. 397.
- Rotary engine. C. Franco. No. 1,065,232; June 17; Gaz. vol. 191; p. 766.
- Rotary engine. H. D. Newburg. No. 1,065,962; July 1; Gaz. vol. 192; p. 20.
- Rotary engine. J. F. Nettle. No. 1,066,309; July 1; Gaz. vol. 192; p. 145.
- Rotary engine. J. Johnson. No. 1,066,413; July 1; Gaz. vol. 192; p. 177.
- Rotary engine. E. Krogel. No. 1,066,506; July 8; Gaz. vol. 192; p. 239.
- Rotary engine. J. C. Olsen. No. 1,067,190; July 8; Gaz. vol. 192; p. 474.
- Rotary engine. G. W. Sneed. No. 1,068,282; July 22; Gaz. vol. 192; p. 916.
- Rotary engine. N. J. Wold. No. 1,068,378; July 22; Gaz. vol. 192; p. 949.
- Rotary engine. S. Bennison. No. 1,068,963; July 29; Gaz. vol. 192; p. 1192.
- Rotary engine. W. Fisher. No. 1,069,641; Aug. 5; Gaz. vol. 193; p. 190.
- Rotary engine. J. H. Van Deventer. No. 1,070,085; Aug. 12; Gaz. vol. 193; p. 371.
- Rotary engine. J. H. Van Deventer. No. 1,070,086; Aug. 12; Gaz. vol. 193; p. 372.
- Rotary engine. F. Nearing. No. 1,071,779; Sept. 2; Gaz. vol. 194; p. 39.
- Rotary engine. P. Jorgenson. No. 1,075,152; Oct. 7; Gaz. vol. 195; p. 194.
- Rotary engine. J. B. and R. E. Neeley. No. 1,075,435; Oct. 14; Gaz. vol. 195; p. 320.
- Rotary engine. G. F. Moors. No. 1,075,590; Oct. 14; Gaz. vol. 195; p. 372.
- Rotary engine. H. A. King. No. 1,076,891; Oct. 28; Gaz. vol. 195; p. 906.
- Rotary engine. R. J. Davidson. No. 1,077,222; Oct. 28; Gaz. vol. 195; p. 1015.
- Rotary engine. W. F. Doner. No. 1,077,874; Nov. 4; Gaz. vol. 196; p. 216.
- Rotary engine. J. Shaw. No. 1,078,170; Nov. 11; Gaz. vol. 196; p. 350.
- Rotary engine. T. W. Moore. No. 1,078,301; Nov. 11; Gaz. vol. 196; p. 397.
- Rotary engine. R. J. Davidson. No. 1,078,539; Nov. 11; Gaz. vol. 196; p. 477.
- Rotary engine. R. A. Stewart. No. 1,079,034; Nov. 18; Gaz. vol. 196; p. 683.
- Rotary engine. E. G. Jones and T. T. Patchel. No. 1,079,177; Nov. 18; Gaz. vol. 196; p. 732.
- Rotary engine. G. E. Callaway. No. 1,079,743; Nov. 25; Gaz. vol. 196; p. 956.
- Rotary engine. H. E. Bonham. No. 1,082,843; Dec. 30; Gaz. vol. 197; p. 1130.
- Rotary engine. Compound. J. C. Bendixson. No. 1,054,898; Mar. 4; Gaz. vol. 188; p. 94.
- Rotary engine. Continuous-action. J. W. Tygard. No. 1,069,742; Aug. 12; Gaz. vol. 193; p. 255.
- Rotary engine. Duplex. C. F. Sleigh. No. 1,049,615; Jan. 7; Gaz. vol. 186; p. 103.
- Rotary engine. Reversible. C. R. Reid. No. 1,056,833; Mar. 25; Gaz. vol. 188; p. 836.
- Rotary explosive-engine. J. Whittinghill and E. W. Richmond. No. 1,054,729; Mar. 4; Gaz. vol. 188; p. 26.
- Rotary fluid-pressure motor. P. J. Darlington. No. 1,070,588; Aug. 19; Gaz. vol. 193; p. 588.
- Rotary furnace or fire-box. A. Smallwood. No. 1,079,151; Nov. 18; Gaz. vol. 196; p. 723.
- Rotary internal-combustion engine. F. Miller and H. L. Blum. No. 1,082,205; Dec. 23; Gaz. vol. 197; p. 874.
- Rotary internal-combustion motor. G. Muffy. No. 1,064,522; June 10; Gaz. vol. 191; p. 497.
- Rotary mechanism. C. F. Méndez. No. 1,053,526; Feb. 18; Gaz. vol. 187; p. 653.
- Rotary motor. E. R. Mills and C. A. Conn. No. 1,053,055; Feb. 11; Gaz. vol. 187; p. 445.
- Rotary motor. H. Windhoff. No. 1,055,005; Mar. 4; Gaz. vol. 188; p. 120.
- Rotary motor. A. Peterson. No. 1,056,827; Mar. 25; Gaz. vol. 188; p. 835.
- Rotary motor. P. J. Darlington. No. 1,071,145; Aug. 26; Gaz. vol. 193; p. 805.
- Rotary motor. T. Ruhlmann. No. 1,078,168; Nov. 11; Gaz. vol. 196; p. 349.
- Rotary motor. A. J. Krouse. No. 1,079,653; Nov. 25; Gaz. vol. 196; p. 924.
- Rotary motor and pump. J. B. Vernon. No. 1,082,183; Dec. 23; Gaz. vol. 197; p. 867.
- Rotary motor. Internal-progressive-combustion. J. W. Tygard. No. 1,060,039; Apr. 29; Gaz. vol. 189; p. 1064.
- Rotary motor. Reversible. L. Brun. No. 1,050,760; Jan. 14; Gaz. vol. 186; p. 522.
- Rotary screen. F. S. Converse. No. 1,057,709; Apr. 1; Gaz. vol. 189; p. 107.
- Rotary screen. J. C. McIntyre. No. 1,072,750; Sept. 9; Gaz. vol. 194; p. 398.
- Rotary sprinkler. E. Geiger. No. 1,078,727; Nov. 18; Gaz. vol. 196; p. 575.
- Rotary steam-engine. J. Prosseda. No. 1,054,612; Feb. 25; Gaz. vol. 187; p. 1058.
- Rotary steam-engine. W. S. Triggs, Jr. No. 1,057,900; Apr. 1; Gaz. vol. 189; p. 172.
- Rotary valveless motor. D. Crayssac. No. 1,082,224; Dec. 23; Gaz. vol. 197; p. 881.
- Rotatable table. J. M. Bryant and J. Lind. No. 1,077,218; Oct. 28; Gaz. vol. 195; p. 1013.
- Rotor construction. F. W. Kennedy. No. 1,075,577; Oct. 14; Gaz. vol. 195; p. 368.
- Rotors, Resistance-ring of. J. M. Barr. No. 1,079,629; Nov. 25; Gaz. vol. 196; p. 916.
- Rough box. W. M. Glatfely. No. 1,082,803; Dec. 30; Gaz. vol. 197; p. 1117.
- Round-top work. J. T. and C. O. Breece. No. 1,057,927; Apr. 1; Gaz. vol. 189; p. 182.
- Roundabout. A. W. Lyda. No. 1,053,100; Feb. 11; Gaz. vol. 187; p. 462.
- Roundabout. J. W. Hartley and R. H. Bishop. No. 1,053,595; Feb. 18; Gaz. vol. 187; p. 677.
- Roundabout. J. H. Crowe. No. 1,065,783; June 24; Gaz. vol. 191; p. 992.
- Roundabout. N. J. Shamroy. No. 1,078,645; Nov. 18; Gaz. vol. 196; p. 545.
- Roundabout. R. G. Reeves. No. 1,080,927; Dec. 9; Gaz. vol. 197; p. 383.
- Roundhouses, Equipment for. W. J. Bohan. No. 1,080,193; Dec. 2; Gaz. vol. 197; p. 96.
- Rounding and channeling machine. A. Eppler. No. 1,080,902; Dec. 9; Gaz. vol. 197; p. 374.
- Route-indicator. G. A. Deardorff. No. 1,050,434; Jan. 14; Gaz. vol. 186; p. 414.
- Routing-machine. S. Hunter. No. 1,083,212; Dec. 30; Gaz. vol. 197; p. 1250.
- Roving and spinning frames. Stop-motion for cotton. B. Ames and A. Harrison. No. 1,075,136; Oct. 7; Gaz. vol. 195; p. 188.
- Roving-cleaning device. E. Dath. No. 1,059,714; Apr. 22; Gaz. vol. 189; p. 914.
- Row-gage. P. Key. No. 1,052,485; Feb. 11; Gaz. vol. 187; p. 252.
- Rubber and product of the same. Treating. H. O. Chute. No. 1,051,987; Feb. 4; Gaz. vol. 187; p. 48.
- Rubber articles and the like. Apparatus for vulcanizing. J. S. Wilson. No. 1,062,072; May 20; Gaz. vol. 190; p. 590.
- Rubber articles. Mold for making. W. Eggers. No. 1,049,688; Jan. 7; Gaz. vol. 186; p. 127.
- Rubber articles. Patch for. J. G. Moomy. No. 1,068,691; July 29; Gaz. vol. 192; p. 1095.
- Rubber compound. E. von Vargyas. No. 1,061,207; May 6; Gaz. vol. 190; p. 222.
- Rubber. Devulcanizing. D. A. Cutler. No. 1,078,086; Nov. 11; Gaz. vol. 196; p. 321.
- Rubber glove. Artisan's india. H. C. Finlay. No. 1,066,480; July 8; Gaz. vol. 192; p. 230.
- Rubber goods. Manufacture of india. W. E. Windsor-Richards. No. 1,069,508; Aug. 5; Gaz. vol. 193; p. 146.
- Rubber. Hand-. C. Ritter. No. 1,074,742; Oct. 7; Gaz. vol. 195; p. 54.
- Rubber-heel-attaching device. A. B. Heimbach. No. 1,064,212; June 10; Gaz. vol. 191; p. 392.
- Rubber heel. Detachable. J. E. Shell. No. 1,054,245; Feb. 25; Gaz. vol. 187; p. 934.
- Rubber heel-lift. A. A. Glidden. No. 1,058,857; Apr. 15; Gaz. vol. 189; p. 585.
- Rubber-like compounds. Producing. H. S. A. Holt. No. 1,062,973; May 27; Gaz. vol. 190; p. 931.
- Rubber-like substance and making same. H. A. Clark and E. J. Larkin. No. 1,076,349; Oct. 21; Gaz. vol. 195; p. 661.

Alphabetical list of inventions—Continued.

- Rubber or the like for the utilization thereof. Treating worn or waste. W. E. W. Richards. No. 1,053,439; Feb. 18; Gaz. vol. 187; p. 623.
- Rubber-packed coupling for lock-bar pipe. G. P. Boothe. No. 1,058,683; Apr. 8; Gaz. vol. 189; p. 486.
- Rubber products, Reclaiming. O. A. Wheeler. No. 1,049,955; Jan. 7; Gaz. vol. 186; p. 215.
- Rubber, Refining. W. A. Lawrence. No. 1,058,186; Apr. 8; Gaz. vol. 189; p. 317.
- Rubber, Regenerating vulcanized. C. P. Bary. No. 1,079,464; Nov. 25; Gaz. vol. 196; p. 859.
- Rubber strips, Apparatus for producing. T. A. Edison. No. 1,050,436; Jan. 14; Gaz. vol. 186; p. 415.
- Rubber substitute. J. B. Scammell. No. 1,073,527; Sept. 16; Gaz. vol. 194; p. 708.
- Rubber to metals, Attaching. L. Daft. No. 1,057,333; Mar. 25; Gaz. vol. 188; p. 1007.
- Rubber to metals, Attaching. L. Daft. No. 1,057,334; Mar. 25; Gaz. vol. 188; p. 1008.
- Rubber to powder, Machine for reducing vulcanized. T. Gare. No. 1,050,122; Jan. 14; Gaz. vol. 186; p. 306.
- Rubber tubes, Machine for forming. F. W. Kremer. No. 1,078,099; Nov. 11; Gaz. vol. 196; p. 326.
- Rubber tubing, Apparatus and method for splicing. F. W. Kremer. No. 1,078,097; Nov. 11; Gaz. vol. 196; p. 326.
- Rubber-vulcanizing apparatus. R. B. Price. No. 1,081,330; Dec. 16; Gaz. vol. 197; p. 554.
- Rubber, Vulcanizing distinct parts or surfaces of. O. Walter. No. 1,052,430; Feb. 4; Gaz. vol. 187; p. 200.
- Rubber waste, Reclaiming vulcanized. C. S. Heller. (Re-issue.) No. 13,613; Sept. 9; Gaz. vol. 194; p. 518.
- Rubbing, grinding, or reducing materials, Machine for. S. Leetham. No. 1,057,747; Apr. 1; Gaz. vol. 189; p. 120.
- Rudder-lock. K. Lund. No. 1,080,641; Dec. 9; Gaz. vol. 197; p. 282.
- Rudders for the submersion and the navigation of submarine vessels under water. C. Laurenti. No. 1,061,088; May 6; Gaz. vol. 190; p. 181.
- Ruffling and stitching machine. R. A. Kosch. No. 1,052,004; Feb. 4; Gaz. vol. 187; p. 55.
- Ruffling and stitching machine. A. H. De Voe. No. 1,074,845; Oct. 7; Gaz. vol. 195; p. 87.
- Ruffling attachment. H. J. Dahl. No. 1,049,680; Jan. 7; Gaz. vol. 186; p. 124.
- Rug. C. B. Young. No. 1,059,097; Apr. 15; Gaz. vol. 189; p. 670.
- Rug and making it. M. J. Whittall. No. 1,082,837; Dec. 30; Gaz. vol. 197; p. 1129.
- Rug-exhibiting machine. J. Lutz and C. J. Leyes. No. 1,065,378; June 24; Gaz. vol. 191; p. 855.
- Rug-holder, Invisible. W. S. Wright. No. 1,071,659; Aug. 26; Gaz. vol. 193; p. 977.
- Rug-rack. J. A. McIntosh. No. 1,070,506; Aug. 19; Gaz. vol. 193; p. 560.
- Rugs, mats, carpets, &c., Fastening for. F. W. Giller and D. Marshall. No. 1,073,416; Sept. 16; Gaz. vol. 194; p. 673.
- Rule. K. Becker. No. 1,055,855; Mar. 11; Gaz. vol. 188; p. 439.
- Rule. L. J. Westbrook. No. 1,059,797; Apr. 22; Gaz. vol. 189; p. 941.
- Rule. G. A. Quirós. No. 1,064,006; June 10; Gaz. vol. 191; p. 321.
- Rule. H. Gasstrom. No. 1,068,887; July 29; Gaz. vol. 192; p. 1165.
- Rule. L. Voggenreiter. No. 1,081,995; Dec. 23; Gaz. vol. 197; p. 804.
- Rule and pencil holder. E. Knauf. No. 1,070,262; Aug. 12; Gaz. vol. 193; p. 433.
- Rule attachment. R. Campbell. No. 1,061,045; May 6; Gaz. vol. 190; p. 169.
- Rule, Border-. N. S. Van Sant. No. 1,079,078; Nov. 18; Gaz. vol. 196; p. 698.
- Rule, Circular slide-. D. W. Brunton. No. 1,056,775; Mar. 25; Gaz. vol. 188; p. 818.
- Rule, Flexible. A. E. Hegardt. No. 1,079,983; Dec. 2; Gaz. vol. 197; p. 22.
- Rule, Folding. F. X. Rudler. No. 1,069,186; Aug. 5; Gaz. vol. 193; p. 34.
- Rule for irregular curves, Drawing-. R. P. O. Sahm. No. 1,079,953; Dec. 2; Gaz. vol. 197; p. 11.
- Rule-holder. F. M. Stout. No. 1,070,997; Aug. 19; Gaz. vol. 193; p. 721.
- Rule joint, Folding-. C. Bodmer and E. A. Schade. No. 1,080,192; Dec. 2; Gaz. vol. 197; p. 95.
- Rule, Navigating compass. A. C. Kail. No. 1,050,029; Jan. 7; Gaz. vol. 186; p. 241.
- Rule, Plumb-. H. Platt. No. 1,060,284; Apr. 29; Gaz. vol. 189; p. 1148.
- Rule, Slide-. R. M. Hamby. No. 1,050,129; Jan. 14; Gaz. vol. 186; p. 309.
- Rule, Slide-. R. C. Colwell. No. 1,080,811; Dec. 9; Gaz. vol. 197; p. 344.
- Rule, Sliding. J. W. Buzzell. No. 1,062,321; May 20; Gaz. vol. 190; p. 675.
- Rule, Telescoping pocket-. F. C. Greathead. No. 1,050,733; Jan. 14; Gaz. vol. 186; p. 514.
- Rule, try-square, and the like, Combined. W. C. Fox. No. 1,064,311; June 10; Gaz. vol. 191; p. 425.
- Ruler and blotter, Combination. H. J. Taylor. No. 1,078,969; Nov. 18; Gaz. vol. 196; p. 657.
- Ruler and blotter, Combined. C. T. Young. No. 1,058,652; Apr. 8; Gaz. vol. 189; p. 475.
- Ruler, Book-line guide-. C. E. Goulding. No. 1,049,849; Jan. 7; Gaz. vol. 186; p. 181.
- Ruler, section-liner, and protractor, Combined parallel. E. C. Holmes. No. 1,064,222; June 10; Gaz. vol. 191; p. 396.
- Rulers and the like, Self-guiding arrangement for parallel. S. Sandurskyj. No. 1,075,067; Oct. 7; Gaz. vol. 195; p. 165.
- Ruling-machine. W. P. Sloan. No. 1,055,816; Mar. 11; Gaz. vol. 188; p. 427.
- Ruling-machine. F. Davis. No. 1,067,001; July 8; Gaz. vol. 192; p. 409.
- Ruling machine, Paper-. A. L. Barber. No. 1,068,299; July 22; Gaz. vol. 192; p. 922.
- Ruling-machine penholder. A. L. Barber. No. 1,068,298; July 22; Gaz. vol. 192; p. 921.
- Ruling-machine tool-holder, Engraver's. M. A. Dahl. No. 1,051,564; Jan. 28; Gaz. vol. 186; p. 869.
- Runner for wheeled vehicles, Detachable. C. A. Carlson. No. 1,076,816; Oct. 28; Gaz. vol. 195; p. 879.
- Running-board saddle. R. W. Burnett. No. 1,052,566; Feb. 11; Gaz. vol. 187; p. 278.
- Running-board saddle. J. L. Mohun. No. 1,070,714; Aug. 19; Gaz. vol. 193; p. 629.
- Running-gear. F. L. Roth. No. 1,078,960; Nov. 18; Gaz. vol. 196; p. 654.
- Sack. T. Caulfield. No. 1,058,658; Apr. 8; Gaz. vol. 189; p. 477.
- Sack-cleaner. W. H. Wildrick. No. 1,058,507; Apr. 8; Gaz. vol. 189; p. 427.
- Sack-filling device. J. E. Wilkerson. No. 1,065,754; June 24; Gaz. vol. 191; p. 982.
- Sack-holder. G. L. Schoettler. No. 1,070,847; Aug. 19; Gaz. vol. 193; p. 672.
- Sack-turner. J. H. Bjorkholm. No. 1,068,729; July 29; Gaz. vol. 192; p. 1108.
- Sacking-machine, Automatic. A. Hornftvedt. No. 1,058,865; Apr. 15; Gaz. vol. 189; p. 588.
- Sacking-machine jolter. C. Bordier. No. 1,076,480; Oct. 21; Gaz. vol. 195; p. 707.
- Sad-iron. O. Spahr and C. Stichler. No. 1,050,572; Jan. 14; Gaz. vol. 186; p. 463.
- Sad-iron. H. Abramson. No. 1,052,117; Feb. 4; Gaz. vol. 187; p. 95.
- Sad-iron. H. I. Blattle. No. 1,054,166; Feb. 25; Gaz. vol. 187; p. 906.
- Sad-iron. L. Margolis. No. 1,057,863; Apr. 1; Gaz. vol. 189; p. 161.
- Sad-iron. T. C. Prouty. No. 1,061,634; May 13; Gaz. vol. 190; p. 404.
- Sad-iron. S. Kako. No. 1,065,873; June 24; Gaz. vol. 191; p. 1023.
- Sad-iron. J. F. McCormick. No. 1,065,954; July 1; Gaz. vol. 192; p. 17.
- Sad-iron. H. Diffo. No. 1,067,100; July 8; Gaz. vol. 192; p. 442.
- Sad-iron. I. E. Smith. No. 1,067,557; July 15; Gaz. vol. 192; p. 635.
- Sad-iron. A. L. Stone. No. 1,068,186; July 22; Gaz. vol. 192; p. 881.
- Sad-iron. C. J. Johnson. No. 1,068,245; July 22; Gaz. vol. 192; p. 903.
- Sad-iron. L. Rosenbaum. No. 1,073,171; Sept. 16; Gaz. vol. 194; p. 585.
- Sad-iron. L. Rosenbaum. No. 1,073,634; Sept. 23; Gaz. vol. 194; p. 767.
- Sad-iron. J. F. Lamb and J. F. Smart. No. 1,073,806; Sept. 23; Gaz. vol. 194; p. 828.
- Sad-iron cleaner and waxer. W. G. Harvey. No. 1,062,332; May 20; Gaz. vol. 190; p. 679.
- Sad-iron, Electric. J. Cayéré. No. 1,071,204; Aug. 26; Gaz. vol. 193; p. 824.
- Sad-iron, Electrically-heated. C. A. Shaler. No. 1,077,372; Nov. 4; Gaz. vol. 196; p. 46.
- Sad-iron, Gas. J. F. Bless. No. 1,058,347; Apr. 8; Gaz. vol. 189; p. 372.
- Sad-iron, Gas-heated. C. B. Haven and H. Vanderpool. No. 1,054,689; Mar. 4; Gaz. vol. 188; p. 12.
- Sad-iron, Gas-heated. H. A. Koenig. No. 1,076,677; Oct. 28; Gaz. vol. 195; p. 830.
- Sad-iron, Gas-heated. A. H. Davies. No. 1,076,958; Oct. 28; Gaz. vol. 195; p. 930.
- Sad-iron handle. C. P. Eichler. No. 1,076,108; Oct. 21; Gaz. vol. 195; p. 578.
- Sad-iron heater. A. Paradis. No. 1,057,263; Mar. 25; Gaz. vol. 188; p. 986.
- Sad-iron heater. A. H. Bickel. No. 1,063,241; June 3; Gaz. vol. 191; p. 25.
- Sad-iron holder. M. Frost. No. 1,073,483; Sept. 16; Gaz. vol. 194; p. 695.
- Sad-iron holder. G. D. Wood. No. 1,082,838; Dec. 30; Gaz. vol. 197; p. 1129.
- Sad-iron, Self-heating. F. Sette. No. 1,050,088; Jan. 7; Gaz. vol. 186; p. 261.
- Sad-iron, Self-heating. C. Gunn, Jr. No. 1,063,254; June 3; Gaz. vol. 191; p. 29.

Alphabetical list of inventions—Continued.

- Sad-iron, Self-heating. G. A. Humphrey. No. 1,063,350; June 3; Gaz. vol. 191; p. 61.
- Sad-iron, Self-heating. F. H. Wheelock. No. 1,070,645; Aug. 19; Gaz. vol. 193; p. 605.
- Sad-iron, Self-heating. O. Spahr. No. 1,080,600; Dec. 9; Gaz. vol. 197; p. 269.
- Sad-iron, Self-lighting. M. Heller. No. 1,050,526; Jan. 14; Gaz. vol. 186; p. 451.
- Sad-irons, Cleaning and waxing pad for. J. A. Sumner. No. 1,074,478; Sept. 30; Gaz. vol. 194; p. 1082.
- Sad-irons, Self-heating attachment for. C. W. Harris. No. 1,063,793; June 3; Gaz. vol. 191; p. 215.
- Saddle. C. and W. H. Maynard. No. 1,053,419; Feb. 18; Gaz. vol. 187; p. 616.
- Saddle. H. A. Sievert. No. 1,069,822; Aug. 12; Gaz. vol. 193; p. 283.
- Saddle and journal-box, Combined. J. Berg. No. 1,057,402; Apr. 1; Gaz. vol. 189; p. 4.
- Saddle-bag. H. F. Given. No. 1,072,602; Sept. 9; Gaz. vol. 194; p. 347.
- Saddle, Harness-. L. F. C. Haverland and J. H. Thomas. No. 1,060,453; Apr. 29; Gaz. vol. 189; p. 1208.
- Saddle, Harness-. J. J. Long. No. 1,068,910; July 29; Gaz. vol. 192; p. 1173.
- Saddle-mount. A. W. Duck. No. 1,050,925; Jan. 21; Gaz. vol. 186; p. 619.
- Saddle rigging, Riding-. F. J. McMonies, L. H. and J. J. Hamley. No. 1,055,410; Mar. 11; Gaz. vol. 188; p. 290.
- Saddletree. H. B. White. No. 1,055,248; Mar. 4; Gaz. vol. 188; p. 198.
- Saddletree. T. Henriksen. No. 1,058,302; Apr. 8; Gaz. vol. 189; p. 355.
- Safe. S. W. Fish. No. 1,056,016; Mar. 18; Gaz. vol. 188; p. 528.
- Safe. D. Littlejohn and W. M. Mitchell. No. 1,075,113; Oct. 7; Gaz. vol. 195; p. 180.
- Safe. N. Angood. No. 1,078,764; Nov. 18; Gaz. vol. 196; p. 589.
- Safe and supply boat, Sea-. B. S. Spaulding. No. 1,065,400; June 24; Gaz. vol. 191; p. 862.
- Safe and vault. D. K. Thomas. No. 1,062,056; May 20; Gaz. vol. 190; p. 584.
- Safe and vault doors, Electric protective device for. H. and H. R. Huhn. No. 1,077,077; Oct. 28; Gaz. vol. 195; p. 970.
- Safe and vault therefor, Disappearing. A. Plante and G. Stalport. No. 1,064,085; June 10; Gaz. vol. 191; p. 348.
- Safe and vault unlocking mechanism. F. Handschuh. No. 1,054,112; Feb. 25; Gaz. vol. 187; p. 887.
- Safe-boltwork. C. Bartels. No. 1,082,990; Dec. 30; Gaz. vol. 197; p. 1181.
- Safe-boltwork. C. Bartels. No. 1,082,991; Dec. 30; Gaz. vol. 197; p. 1181.
- Safe construction. S. L. Cary. No. 1,051,681; Jan. 28; Gaz. vol. 186; p. 906.
- Safe construction. M. Mosler and C. Bartels. No. 1,078,799; Nov. 18; Gaz. vol. 196; p. 601.
- Safe-deposit box. H. W. Pape. No. 1,050,487; Jan. 14; Gaz. vol. 186; p. 434.
- Safe-deposit box. H. W. Pape. No. 1,060,018; Apr. 29; Gaz. vol. 189; p. 1057.
- Safe-deposit receptacle. H. Bashore. No. 1,082,790; Dec. 30; Gaz. vol. 197; p. 1113.
- Safe-door and locking mechanism therefor. H. C. Lowrie. No. 1,050,741; Jan. 14; Gaz. vol. 186; p. 517.
- Safe for toilet articles. S. Elblon. No. 1,051,834; Jan. 28; Gaz. vol. 186; p. 957.
- Safe-lock, Automatic-take-up. F. J. Super. No. 1,053,892; Feb. 18; Gaz. vol. 187; p. 774.
- Safe, Milk-bottle. J. A. Gurchke. No. 1,060,081; Apr. 29; Gaz. vol. 189; p. 1077.
- Safe or cabinet, Sheet-metal. P. M. Wege. No. 1,054,325; Feb. 25; Gaz. vol. 187; p. 959.
- Safe or vault. S. W. Fish. No. 1,056,015; Mar. 18; Gaz. vol. 188; p. 528.
- Safe or vault doors, Spindle for burglar-proof. W. H. Taylor. No. 1,053,753; Feb. 18; Gaz. vol. 187; p. 731.
- Safe or vault wall. C. Bartels. No. 1,063,317; June 3; Gaz. vol. 191; p. 49.
- Safe or vault wall. C. Bartels. No. 1,063,318; June 3; Gaz. vol. 191; p. 50.
- Safe, Wall-. H. C. Lowrie. No. 1,050,776; Jan. 14; Gaz. vol. 186; p. 528.
- Safe, Wall-. H. C. Lowrie. (Reissue.) No. 13,625; Oct. 7; Gaz. vol. 195; p. 259.
- Safety article-holder. B. A. Kusserow. No. 1,074,506; Sept. 30; Gaz. vol. 194; p. 1089.
- Safety-brake. V. Stasch. No. 1,056,717; Mar. 18; Gaz. vol. 188; p. 768.
- Safety device. A. G. Nutting. No. 1,051,251; Jan. 21; Gaz. vol. 186; p. 728.
- Safety device. W. R. McKeen, Jr. No. 1,052,938; Feb. 11; Gaz. vol. 187; p. 407.
- Safety device. W. F. Fessler. No. 1,054,101; Feb. 25; Gaz. vol. 187; p. 883.
- Safety device. W. F. Fessler. No. 1,055,625; Mar. 11; Gaz. vol. 188; p. 361.
- Safety device. G. P. Knapp. No. 1,060,608; May 6; Gaz. vol. 190; p. 15.
- Safety-hook. P. R. Paulsen. No. 1,059,686; Apr. 22; Gaz. vol. 189; p. 905.
- Safety-hook. W. L. Burnham. No. 1,068,313; July 22; Gaz. vol. 192; p. 927.
- Safety-hook. J. G. O'Kelly. No. 1,071,650; Aug. 26; Gaz. vol. 193; p. 973.
- Safety-hook. J. A. Schroyer and J. E. Thorp. No. 1,071,806; Sept. 2; Gaz. vol. 194; p. 49.
- Safety-lock. G. F. Tadini. No. 1,065,636; June 24; Gaz. vol. 191; p. 943.
- Safety-lock. A. Frederiksen. No. 1,067,017; July 8; Gaz. vol. 192; p. 414.
- Safety-lock. G. C. Maxwell. No. 1,070,904; Aug. 19; Gaz. vol. 193; p. 690.
- Safety-pin. L. Fishell. No. 1,054,683; Mar. 4; Gaz. vol. 188; p. 10.
- Safety-pin. A. W. Hutchins. No. 1,067,922; July 22; Gaz. vol. 192; p. 792.
- Safety-pin. A. G. Kaufman. No. 1,070,482; Aug. 19; Gaz. vol. 193; p. 551.
- Safety-pin. P. Hiles and J. J. Mc Nerney. No. 1,071,919; Sept. 2; Gaz. vol. 194; p. 86.
- Safety-pin. M. L. Mirault. No. 1,077,360; Nov. 4; Gaz. vol. 196; p. 41.
- Safety-pin guard. R. M. Babin and J. Miserez. No. 1,065,894; June 24; Gaz. vol. 191; p. 1030.
- Safety-pin, Needle-eye self-locking. H. B. Hudson. No. 1,053,729; Feb. 18; Gaz. vol. 187; p. 724.
- Sail-fastener. T. A. Mann. No. 1,056,567; Mar. 18; Gaz. vol. 188; p. 718.
- Salad-dressing-mixing device. A. E. Rosen. No. 1,064,172; June 10; Gaz. vol. 191; p. 378.
- Saliva-ejector. L. R. Barghausen and C. L. Constantini. No. 1,053,965; Feb. 25; Gaz. vol. 187; p. 838.
- Salt and pepper shaker, Combination. W. Stender. No. 1,065,981; July 1; Gaz. vol. 192; p. 28.
- Salt, Manufacture of. J. H. Webster. No. 1,052,703; Feb. 11; Gaz. vol. 187; p. 325.
- Salt, Manufacture of. S. M. Lillie. No. 1,056,556; Mar. 18; Gaz. vol. 188; p. 714.
- Salt of cholic acid, Strontium. R. Werner. No. 1,081,178; Dec. 9; Gaz. vol. 197; p. 464.
- Salt of hexamethylenetetramin and making same. A. Kircher. No. 1,064,227; June 10; Gaz. vol. 191; p. 397.
- Salt, Precipitating. J. Hodgkinson. No. 1,065,128; June 17; Gaz. vol. 191; p. 733.
- Salt-shaker. E. Bittel. No. 1,051,668; Jan. 28; Gaz. vol. 186; p. 903.
- Salt-shaker. E. A. Parker. No. 1,054,864; Mar. 4; Gaz. vol. 188; p. 73.
- Salt-shaker. W. H. Young. No. 1,057,697; Apr. 1; Gaz. vol. 189; p. 103.
- Salts from solutions containing them, Deposition of metallic. H. J. Rees. No. 1,073,363; Sept. 16; Gaz. vol. 194; p. 654.
- Salts from solutions containing them, Deposition of metallic. H. Rees and H. L. Sulman. No. 1,074,203; Sept. 30; Gaz. vol. 194; p. 991.
- Salts, Manufacture of soluble barium. F. F. Hunt. No. 1,070,810; Aug. 19; Gaz. vol. 193; p. 660.
- Salts, Treating materials with solutions of titanous. C. M. E. Schroeder. No. 1,080,721; Dec. 9; Gaz. vol. 197; p. 309.
- Salting apparatus. A. Albrecht. No. 1,055,504; Mar. 11; Gaz. vol. 188; p. 323.
- Salting-trough. C. A. Williams. No. 1,070,758; Aug. 19; Gaz. vol. 193; p. 645.
- Salt-peter, potassium, or magnesium chlorid and the like, Apparatus for comminuting calcareous. H. Pauling. No. 1,075,722; Oct. 14; Gaz. vol. 195; p. 417.
- Sample-carrying case. W. Schweitzer and H. H. Labadie. No. 1,082,976; Dec. 30; Gaz. vol. 197; p. 1177.
- Sample-case. C. G. Duffy. No. 1,077,686; Nov. 4; Gaz. vol. 196; p. 153.
- Sample-case having link-connected trays. W. Schweitzer and H. H. Labadie. No. 1,081,629; Dec. 16; Gaz. vol. 197; p. 651.
- Sampler. F. H. Peck. No. 1,072,644; Sept. 9; Gaz. vol. 194; p. 361.
- Sampler-operating device. L. E. Jones. No. 1,079,010; Nov. 18; Gaz. vol. 196; p. 674.
- Sampling-machine, Automatic. J. O. Bardill. No. 1,063,494; June 3; Gaz. vol. 191; p. 109.
- Sand and gravel cleaner. W. C. Mercer. No. 1,079,571; Nov. 25; Gaz. vol. 196; p. 896.
- Sand, Apparatus for separating foreign materials from. R. Toennes. No. 1,060,381; Apr. 29; Gaz. vol. 189; p. 1183.
- Sand-blast apparatus. F. J. Hull. No. 1,054,775; Mar. 4; Gaz. vol. 188; p. 42.
- Sand-blast apparatus. G. R. Lawrence. No. 1,073,149; Sept. 16; Gaz. vol. 194; p. 577.
- Sand-blast, Closed-hopper. G. F. Steedman. No. 1,073,876; Sept. 23; Gaz. vol. 194; p. 852.
- Sand-blast machine. C. F. Motz. No. 1,081,547; Dec. 16; Gaz. vol. 197; p. 627.
- Sand, Composition of matter for the treating of molding-. T. E. Coupe. No. 1,064,713; June 17; Gaz. vol. 191; p. 598.

Alphabetical list of inventions—Continued.

- Sand cutting and riddling machine. J. F. O'Brien and G. F. Bowdle. No. 1,081,769; Dec. 16; Gaz. vol. 197; p. 699.
- Sand, Device for reclaiming. W. C. Fletcher and L. E. Brown. No. 1,079,979; Dec. 2; Gaz. vol. 197; p. 21.
- Sand-drier. J. A. Beamer. No. 1,069,667; Aug. 12; Gaz. vol. 193; p. 229.
- Sand-mold-forming apparatus. E. Ronceray. No. 1,070,293; Aug. 12; Gaz. vol. 193; p. 444.
- Sand molds, Forming. H. P. Macdonald and W. A. Ruedell. No. 1,065,540; June 24; Gaz. vol. 191; p. 910.
- Sand-motor. A. R. Gibson. No. 1,055,266; Mar. 4; Gaz. vol. 188; p. 203.
- Sand-point. P. E. Erickson. No. 1,080,684; Dec. 9; Gaz. vol. 197; p. 297.
- Sand-rammer, Pneumatic. S. Oldham. No. 1,075,057; Oct. 7; Gaz. vol. 195; p. 162.
- Sand-screen. D. Reinert. No. 1,081,253; Dec. 9; Gaz. vol. 197; p. 489.
- Sand-separating process and apparatus. G. R. Bilz. (Re-issue.) No. 1,351,919; Jan. 28; Gaz. vol. 186; p. 963.
- Sand-spreading device. F. W. Snow and A. B. Cummings. No. 1,083,224; Dec. 30; Gaz. vol. 197; p. 1254.
- Sand-tempering apparatus. J. W. Brown, Jr. No. 1,061,160; May 6; Gaz. vol. 190; p. 205.
- Sand-tempering machine. C. F. Roush and H. Garnett. No. 1,064,995; June 17; Gaz. vol. 191; p. 689.
- Sand-trap. P. Callahan. No. 1,070,773; Aug. 19; Gaz. vol. 193; p. 649.
- Sand, Treatment or renovation of foundry-. A. Poulson. No. 1,078,062; Nov. 11; Gaz. vol. 196; p. 314.
- Sander. W. B. Rogers. No. 1,050,173; Jan. 14; Gaz. vol. 186; p. 324.
- Sander. W. B. Rogers. No. 1,050,174; Jan. 14; Gaz. vol. 186; p. 324.
- Sander. A. E. Adams. No. 1,065,290; June 17; Gaz. vol. 191; p. 787.
- Sander. W. B. Rogers. No. 1,068,080; July 22; Gaz. vol. 192; p. 846.
- Sander. J. M. Coleman. No. 1,072,206; Sept. 2; Gaz. vol. 194; p. 183.
- Sanders and other machines, Sectional feed-roll for. C. H. Becker, Jr. No. 1,052,403; Feb. 4; Gaz. vol. 187; p. 190.
- Sanding-machine. G. W. Lentz. No. 1,054,006; Feb. 25; Gaz. vol. 187; p. 852.
- Sanding-machine. G. M. Hall. No. 1,060,565; Apr. 29; Gaz. vol. 189; p. 1247.
- Sanding-machine. L. Lucas. No. 1,063,923; June 3; Gaz. vol. 191; p. 258.
- Sanding-machine. G. D. Trogon. No. 1,064,572; June 10; Gaz. vol. 191; p. 515.
- Sanding-machine. J. Hamacheck. No. 1,082,949; Dec. 30; Gaz. vol. 197; p. 1167.
- Sandpaper-holder. O. A. Bergman. No. 1,062,214; May 20; Gaz. vol. 190; p. 639.
- Sandpapering-machine. C. F. Haug. No. 1,060,595; May 6; Gaz. vol. 190; p. 11.
- Sanitary closet. J. J. Graham. No. 1,062,453; May 20; Gaz. vol. 190; p. 718.
- Sanitary closet. J. H. Foster. No. 1,075,471; Oct. 14; Gaz. vol. 195; p. 333.
- Sanitary comb. S. P. Bronson. No. 1,064,607; June 10; Gaz. vol. 191; p. 526.
- Sanitary device. W. I. Leatherland. No. 1,070,618; Aug. 19; Gaz. vol. 193; p. 596.
- Sanitary protector. G. Pfeil. No. 1,067,841; July 22; Gaz. vol. 192; p. 765.
- Sap-collecting apparatus. G. H. Soule. No. 1,061,135; May 6; Gaz. vol. 190; p. 198.
- Sap evaporator, Maple-. G. H. Soule. No. 1,049,935; Jan. 7; Gaz. vol. 186; p. 208.
- Sap-gatherer. E. J. Fillingim. No. 1,061,278; May 13; Gaz. vol. 190; p. 280.
- Sap-receiving apron and receptacle. H. Breeden. No. 1,051,981; Feb. 4; Gaz. vol. 187; p. 46.
- Sardine-can. W. E. Taylor. No. 1,055,429; Mar. 11; Gaz. vol. 188; p. 298.
- Sardine-can. W. E. Taylor. No. 1,065,986; July 1; Gaz. vol. 192; p. 29.
- Sardine-can. W. E. Taylor. No. 1,072,789; Sept. 9; Gaz. vol. 194; p. 412.
- Sash. C. F. Deck. No. 1,065,032; June 17; Gaz. vol. 191; p. 701.
- Sash. M. S. Crane. No. 1,082,308; Dec. 23; Gaz. vol. 197; p. 914.
- Sash-adjuster. C. D. Tabor. No. 1,063,617; June 3; Gaz. vol. 191; p. 154.
- Sash and casing, Window-. A. H. Newpher. No. 1,067,266; July 15; Gaz. vol. 192; p. 536.
- Sash and door clamp. F. J. Lynch. No. 1,067,667; July 15; Gaz. vol. 192; p. 673.
- Sash and ventilator, Combination storm-. H. C. Markowski and H. B. Wittkowski. No. 1,078,205; Nov. 11; Gaz. vol. 196; p. 362.
- Sash and weather-guard therefor, Window-. A. H. Newpher. No. 1,070,718; Aug. 19; Gaz. vol. 193; p. 629.
- Sash-balance, Spring. G. J. MacLaughlin and J. L. Willard. No. 1,082,034; Dec. 23; Gaz. vol. 197; p. 818.
- Sash balance, Window-. E. E. Whitmore. No. 1,058,824; Apr. 15; Gaz. vol. 189; p. 574.
- Sash balance, Window-. A. E. Lehmann. No. 1,059,476; Apr. 22; Gaz. vol. 189; p. 836.
- Sash balance, Window-. W. H. Forsyth and E. E. Whitmore. No. 1,078,780; Nov. 18; Gaz. vol. 196; p. 595.
- Sash-bar, Metal. T. F. Oechsle. No. 1,062,354; May 20; Gaz. vol. 190; p. 685.
- Sash-bars, Apparatus for producing ornamental. K. H. F. Huth. No. 1,074,722; Oct. 7; Gaz. vol. 195; p. 47.
- Sash-chain fastener. M. Raughtigan. No. 1,056,710; Mar. 18; Gaz. vol. 188; p. 765.
- Sash-chain fastener, Adjustable. B. S. McClellan. No. 1,056,348; Mar. 18; Gaz. vol. 188; p. 639.
- Sash-closing device, Window-. W. L. Brown. No. 1,052,384; Feb. 11; Gaz. vol. 187; p. 387.
- Sash-closing device, Window-. W. L. Brown. No. 1,052,385; Feb. 11; Gaz. vol. 187; p. 387.
- Sash construction. J. Matthews and E. W. Freeman. No. 1,054,585; Feb. 25; Gaz. vol. 187; p. 1050.
- Sash construction. G. H. Forsythe. No. 1,063,345; June 3; Gaz. vol. 191; p. 60.
- Sash construction, Metal. A. W. Reddersen and F. G. Borg. No. 1,069,290; Aug. 5; Gaz. vol. 193; p. 71.
- Sash-cord fastener. W. H. Worst. No. 1,071,852; Sept. 2; Gaz. vol. 194; p. 63.
- Sash-cord fastener. J. Asher. No. 1,079,685; Nov. 25; Gaz. vol. 196; p. 935.
- Sash-fastener. H. C. Yaeger. No. 1,050,899; Jan. 21; Gaz. vol. 186; p. 609.
- Sash-fastener. J. G. and W. D. James. No. 1,059,999; Apr. 29; Gaz. vol. 189; p. 1051.
- Sash-fastener. J. C. Griffin. No. 1,061,283; May 13; Gaz. vol. 190; p. 282.
- Sash-fastener. R. Dunning. No. 1,066,802; July 8; Gaz. vol. 192; p. 343.
- Sash-fastener. L. E. Thomas. No. 1,068,546; July 29; Gaz. vol. 192; p. 1044.
- Sash-fastener. J. Spiegelhalter, Jr. No. 1,071,816; Sept. 2; Gaz. vol. 194; p. 51.
- Sash-fastener. C. A. Bergman. No. 1,071,866; Sept. 2; Gaz. vol. 194; p. 68.
- Sash-fastener. B. G. Dunbar. No. 1,072,839; Sept. 9; Gaz. vol. 194; p. 431.
- Sash-fastener. F. E. Slappey. No. 1,080,599; Dec. 9; Gaz. vol. 197; p. 268.
- Sash-fastener. H. J. Martin. No. 1,080,769; Dec. 9; Gaz. vol. 197; p. 327.
- Sash-fastener. B. Karger. No. 1,082,638; Dec. 30; Gaz. vol. 197; p. 1059.
- Sash-fastener, Auxiliary-bolt. E. Troetel. No. 1,061,509; May 13; Gaz. vol. 190; p. 360.
- Sash fastener, Storm-. I. D. Fox. No. 1,051,321; Jan. 21; Gaz. vol. 186; p. 752.
- Sash fastener, Storm-. C. J. Severson. No. 1,055,669; Mar. 11; Gaz. vol. 188; p. 376.
- Sash fastener, Storm-. J. C. Clapp, Jr. No. 1,070,015; Aug. 12; Gaz. vol. 193; p. 348.
- Sash fastener, Window-. R. J. Burlew. No. 1,056,003; Mar. 18; Gaz. vol. 188; p. 524.
- Sash fastener, Window-. S. E. Driscoll. No. 1,081,101; Dec. 9; Gaz. vol. 197; p. 437.
- Sash for hotbeds and other purposes. W. S. Bodley. No. 1,079,631; Nov. 25; Gaz. vol. 196; p. 917.
- Sash, Glass-holder for metal. W. R. Kinnear. No. 1,073,805; Sept. 23; Gaz. vol. 194; p. 828.
- Sash-hanger. E. L. Watrous. No. 1,055,431; Mar. 11; Gaz. vol. 188; p. 299.
- Sash hanging and operating mechanism. J. Kahn. No. 1,079,497; Nov. 25; Gaz. vol. 196; p. 870.
- Sash-holder. E. C. Rodwick. No. 1,061,128; May 6; Gaz. vol. 190; p. 196.
- Sash-holder. M. D. B. Mowday. No. 1,066,136; July 1; Gaz. vol. 192; p. 82.
- Sash-holder. T. J. Starkey. No. 1,075,444; Oct. 14; Gaz. vol. 195; p. 324.
- Sash-holder. O. M. Edwards. No. 1,078,036; Nov. 11; Gaz. vol. 196; p. 304.
- Sash-holder. J. Holtzman. No. 1,078,856; Nov. 18; Gaz. vol. 196; p. 621.
- Sash-holder and shade-support, Combined. J. Nelson. No. 1,058,622; Apr. 8; Gaz. vol. 189; p. 464.
- Sash-holder, Electrically-operated. H. C. Desbecker. No. 1,062,084; May 20; Gaz. vol. 190; p. 595.
- Sash-holder, Roller-bearing. W. S. Scarbury. No. 1,080,786; Dec. 9; Gaz. vol. 197; p. 333.
- Sash holder, Window-. W. M. Dight. No. 1,073,595; Sept. 23; Gaz. vol. 194; p. 755.
- Sash holder, Window-. C. W. Cook. No. 1,073,739; Sept. 23; Gaz. vol. 194; p. 807.
- Sash holder, Window-. O. M. Edwards. No. 1,077,193; Oct. 28; Gaz. vol. 195; p. 1004.
- Sash in position, Means for holding. A. Brunton. No. 1,050,801; Jan. 21; Gaz. vol. 186; p. 572.
- Sash-lock. J. W. Thorn. No. 1,052,770; Feb. 11; Gaz. vol. 187; p. 347.
- Sash-lock. E. F. Dakin. No. 1,055,716; Mar. 11; Gaz. vol. 188; p. 392.
- Sash-lock. A. C. Hendricks. No. 1,058,584; Apr. 8; Gaz. vol. 189; p. 452.

Alphabetical list of inventions—Continued.

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- Sash-lock. T. J. Elston. No. 1,060,238; Apr. 29; Gaz. vol. 189; p. 1132.
- Sash-lock. F. A. Herman. No. 1,063,260; June 3; Gaz. vol. 191; p. 30.
- Sash-lock. M. W. Rosenshine. No. 1,066,152; July 1; Gaz. vol. 192; p. 87.
- Sash-lock. C. C. De Lappe. No. 1,067,508; July 15; Gaz. vol. 192; p. 619.
- Sash-lock. W. S. Adams and G. B. Kohler. No. 1,068,200; July 22; Gaz. vol. 192; p. 887.
- Sash-lock. J. G. France. No. 1,068,642; July 29; Gaz. vol. 192; p. 1078.
- Sash-lock. J. E. Bourne. No. 1,071,024; Aug. 26; Gaz. vol. 193; p. 764.
- Sash-lock. A. D. Gardemeyer. No. 1,071,516; Aug. 26; Gaz. vol. 193; p. 928.
- Sash-lock. L. E. De Neergaard. No. 1,072,099; Sept. 2; Gaz. vol. 194; p. 146.
- Sash-lock. G. Hilpert. No. 1,073,486; Sept. 16; Gaz. vol. 194; p. 696.
- Sash-lock. J. Hunciker. No. 1,075,828; Oct. 14; Gaz. vol. 195; p. 454.
- Sash-lock. L. R. Eddy. No. 1,076,650; Oct. 21; Gaz. vol. 195; p. 769.
- Sash-lock. J. A. Giese and B. S. Field. No. 1,080,687; Dec. 9; Gaz. vol. 197; p. 297.
- Sash-lock. J. Larsen. No. 1,081,538; Dec. 16; Gaz. vol. 197; p. 624.
- Sash-lock. I. L. Dempsey. No. 1,081,585; Dec. 16; Gaz. vol. 197; p. 637.
- Sash-lock, Adjustable. L. E. De Neergaard. No. 1,072,100; Sept. 2; Gaz. vol. 194; p. 146.
- Sash-lock, Automatic burglar-proof. E. L. Sloan. No. 1,077,312; Nov. 4; Gaz. vol. 196; p. 25.
- Sash-lock, Automatic. N. Rusk. No. 1,080,172; Dec. 2; Gaz. vol. 197; p. 89.
- Sash lock, Ventilating window-. M. Shenk. No. 1,082,773; Dec. 30; Gaz. vol. 197; p. 1108.
- Sash lock, Window-. H. Chevola, Jr. No. 1,049,671; Jan. 7; Gaz. vol. 186; p. 121.
- Sash lock, Window-. S. H. Lackland. No. 1,056,803; Mar. 25; Gaz. vol. 188; p. 827.
- Sash lock, Window-. H. Graham and C. E. Lepaige. No. 1,059,727; Apr. 22; Gaz. vol. 189; p. 918.
- Sash lock, Window-. T. L. Mortimer. No. 1,060,110; Apr. 29; Gaz. vol. 189; p. 1086.
- Sash lock, Window-. J. Drysdale. No. 1,060,747; May 6; Gaz. vol. 190; p. 63.
- Sash lock, Window-. W. H. Garlock. No. 1,064,313; June 10; Gaz. vol. 191; p. 426.
- Sash lock, Window-. B. C. Dodds. No. 1,070,671; Aug. 19; Gaz. vol. 193; p. 615.
- Sash lock, Window-. H. Krahe. No. 1,072,960; Sept. 9; Gaz. vol. 194; p. 475.
- Sash lock, Window-. G. C. Miller. No. 1,077,487; Nov. 4; Gaz. vol. 196; p. 87.
- Sash-operating apparatus, Window-. W. R. Parsons. No. 1,082,899; Dec. 30; Gaz. vol. 197; p. 1150.
- Sash-operating device. A. Allen. No. 1,055,593; Mar. 11; Gaz. vol. 188; p. 351.
- Sash-operating device. E. P. Harris. No. 1,056,788; Mar. 25; Gaz. vol. 188; p. 822.
- Sash-operating device. C. A. Perkins. No. 1,070,724; Aug. 19; Gaz. vol. 193; p. 632.
- Sash-operating device, Window-. P. F. Fitz Gerald. No. 1,055,156; Mar. 4; Gaz. vol. 188; p. 169.
- Sash pivot and latch, Deck-. A. W. L. Hartbauer. No. 1,074,117; Sept. 30; Gaz. vol. 194; p. 963.
- Sash pivot mechanism, Deck-. F. Conrad. No. 1,073,738; Sept. 23; Gaz. vol. 194; p. 806.
- Sash-retaining means. D. W. Lovett. No. 1,054,008; Feb. 25; Gaz. vol. 187; p. 853.
- Sash-stop. E. C. Mansfield. No. 1,073,261; Sept. 16; Gaz. vol. 194; p. 617.
- Sash stop, Window-. J. F. Peterson. No. 1,054,310; Feb. 25; Gaz. vol. 187; p. 954.
- Sash-weight. F. H. Lehman. No. 1,050,553; Jan. 14; Gaz. vol. 186; p. 457.
- Sash-weight. J. B. and A. J. Lee. No. 1,052,598; Feb. 11; Gaz. vol. 187; p. 289.
- Sash-weight. J. M. Graybill. No. 1,061,742; May 13; Gaz. vol. 190; p. 442.
- Sash-weight. M. D. Bingham. No. 1,077,586; Nov. 4; Gaz. vol. 196; p. 120.
- Sash-weight. F. M. Green. No. 1,082,192; Dec. 23; Gaz. vol. 197; p. 871.
- Sash-weight-cord fastening, Window-. E. and L. H. Stanecky. No. 1,070,852; Aug. 19; Gaz. vol. 193; p. 674.
- Sash-weight, Sectional. N. A. Petry. No. 1,076,698; Oct. 28; Gaz. vol. 195; p. 838.
- Sash, Window-. G. B. Ritenour. No. 1,051,763; Jan. 28; Gaz. vol. 186; p. 932.
- Sash, Window-. H. C. George. No. 1,054,685; Mar. 4; Gaz. vol. 188; p. 11.
- Sash, Window-. C. F. Overly. (Reissue.) No. 13,547; Mar. 25; Gaz. vol. 188; p. 1029.
- Sash, Window-. L. A. Shrader. No. 1,058,909; Apr. 15; Gaz. vol. 189; p. 604.
- Sash, Window-. O. L. Hutto. No. 1,062,916; May 27; Gaz. vol. 190; p. 913.
- Sash, Window-. E. C. Shepherd. No. 1,075,306; Oct. 7; Gaz. vol. 195; p. 250.
- Sashes and the like, Apparatus for supporting window-. J. B. Murphy. No. 1,076,053; Oct. 21; Gaz. vol. 195; p. 559.
- Sashes, Corner-piece for window-. P. Winsor. No. 1,069,309; Aug. 5; Gaz. vol. 193; p. 77.
- Sashes, shutters, and like movable parts, Actuating device for window-. W. H. Symonds. No. 1,077,768; Nov. 4; Gaz. vol. 196; p. 182.
- Satchel, cart, and camp-stool, Combination. H. H. James. No. 1,081,670; Dec. 16; Gaz. vol. 197; p. 664.
- Saturating-machine. F. W. Kremer. No. 1,055,404; Mar. 11; Gaz. vol. 188; p. 289.
- Saturation apparatus. W. Feicks. No. 1,062,960; May 27; Gaz. vol. 190; p. 928.
- Sausage and casing therefor. W. P. Cohoe and E. C. Fox. No. 1,070,776; Aug. 19; Gaz. vol. 193; p. 651.
- Sausage-casing and making the same. S. May. No. 1,063,714; June 3; Gaz. vol. 191; p. 189.
- Sausage-casings, Machine for feeding. E. A. Unversaw and L. G. Rexroth. No. 1,059,411; Apr. 22; Gaz. vol. 189; p. 813.
- Sausage-casings, Making. S. May. No. 1,063,713; June 3; Gaz. vol. 191; p. 189.
- Sausage-linking machine. J. Shier. No. 1,075,604; Oct. 14; Gaz. vol. 195; p. 378.
- Sausage-meat or the like, Artificial skin or gut envelop for. D. Manivet and E. Ressegaire. No. 1,076,899; Oct. 28; Gaz. vol. 195; p. 909.
- Sausage-skins and the like, Manufacture of. H. Deutsch. No. 1,076,005; Oct. 14; Gaz. vol. 195; p. 515.
- Sausage-stuffer. M. Balcker. No. 1,054,633; Feb. 25; Gaz. vol. 187; p. 1065.
- Sausage-stuffer. C. Hanke. No. 1,075,823; Oct. 14; Gaz. vol. 195; p. 451.
- Sausage-stuffer safety appliance. C. Naegelen. No. 1,062,989; May 27; Gaz. vol. 190; p. 937.
- Saw. J. Thomas. No. 1,056,857; Mar. 25; Gaz. vol. 188; p. 845.
- Saw. A. C. Huffschnitt. No. 1,058,866; Apr. 15; Gaz. vol. 189; p. 588.
- Saw. A. Brazier. No. 1,060,157; Apr. 29; Gaz. vol. 189; p. 1104.
- Saw. F. Rodehaver. No. 1,066,659; July 8; Gaz. vol. 192; p. 293.
- Saw. A. Brazier. No. 1,076,815; Oct. 28; Gaz. vol. 195; p. 879.
- Saw. J. E. O'Neill and W. G. Menihan. No. 1,080,365; Dec. 2; Gaz. vol. 197; p. 158.
- Saw. D. R. Nelson. No. 1,081,135; Dec. 9; Gaz. vol. 197; p. 449.
- Saw and shaper guards, Self-adjusting support for circular-. J. M. Jones. No. 1,054,558; Feb. 25; Gaz. vol. 187; p. 1039.
- Saw and the like, Rotary cutting-off. G. Gorton. No. 1,077,271; Nov. 4; Gaz. vol. 196; p. 10.
- Saw and the like, Rotary cutting-off. G. Gorton. No. 1,078,193; Nov. 11; Gaz. vol. 196; p. 358.
- Saw and trimmer, Metal. K. Haepfner. No. 1,082,521; Dec. 30; Gaz. vol. 197; p. 1016.
- Saw, Band-. G. C. Hunter. No. 1,066,498; July 8; Gaz. vol. 192; p. 236.
- Saw-blade clamp to a saw-frame, Securing a. R. Miller, Jr. No. 1,067,362; July 15; Gaz. vol. 192; p. 570.
- Saw-blade stretcher. W. L. Smyth. No. 1,049,934; Jan. 7; Gaz. vol. 186; p. 208.
- Saw-clamp. M. Wagner. No. 1,069,745; Aug. 12; Gaz. vol. 193; p. 256.
- Saw-clamp. J. S. Dikeman. No. 1,077,191; Oct. 28; Gaz. vol. 195; p. 1004.
- Saw, Combination-. W. J. Hughes. No. 1,066,730; July 8; Gaz. vol. 192; p. 319.
- Saw cutting-off machines, Interlocking mechanism for cold-. M. Meyers. No. 1,081,763; Dec. 16; Gaz. vol. 197; p. 697.
- Saw, Drag-. A. T. Stimson. No. 1,062,200; May 20; Gaz. vol. 190; p. 634.
- Saw-feed apparatus, Automatic. T. S. Kitchen. No. 1,056,032; Mar. 18; Gaz. vol. 188; p. 533.
- Saw-feeding mechanism. T. Richard. No. 1,079,145; Nov. 18; Gaz. vol. 196; p. 721.
- Saw filing and gumming machine. R. B. Creasy. No. 1,054,908; Mar. 4; Gaz. vol. 188; p. 87.
- Saw filing and setting frame. C. Oestreich. No. 1,074,134; Sept. 30; Gaz. vol. 194; p. 968.
- Saw-filing machine. A. Ross. No. 1,059,909; Apr. 22; Gaz. vol. 189; p. 975.
- Saw-filing machine. J. L. Keil. No. 1,072,384; Sept. 2; Gaz. vol. 194; p. 242.
- Saw-filing machine. F. B. Swigert. No. 1,072,788; Sept. 9; Gaz. vol. 194; p. 412.
- Saw-filing machine. G. W. and L. W. Guin. No. 1,076,112; Oct. 21; Gaz. vol. 195; p. 580.
- Saw-filing machine. W. T. Nelson. No. 1,080,921; Dec. 9; Gaz. vol. 197; p. 381.
- Saw-frame. R. M. Ahrens. No. 1,055,592; Mar. 11; Gaz. vol. 188; p. 350.

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- Saw-frame. R. J. Lawrence. No. 1,060,770; May 6; Gaz. vol. 190; p. 70.
- Saw-gage. H. Dueysen. No. 1,073,969; Sept. 23; Gaz. vol. 194; p. 884.
- Saw-gage and filing-clamp. G. W. Curby. No. 1,057,806; Apr. 1; Gaz. vol. 189; p. 141.
- Saw-gaging tool. J. Morin. No. 1,060,203; Apr. 29; Gaz. vol. 189; p. 1118.
- Saw-guard. E. Harrold and C. G. Wilderson. No. 1,050,649; Jan. 14; Gaz. vol. 186; p. 487.
- Saw-guard. A. J. Sixel and R. S. Conrad. No. 1,071,963; Sept. 2; Gaz. vol. 194; p. 100.
- Saw-guard. J. W. Offutt. No. 1,072,401; Sept. 2; Gaz. vol. 194; p. 249.
- Saw-guard. F. V. Phillips. No. 1,074,198; Sept. 30; Gaz. vol. 194; p. 989.
- Saw-guard. J. W. Humason. No. 1,082,870; Dec. 30; Gaz. vol. 197; p. 1140.
- Saw guard, Band-. S. Fleming. No. 1,054,288; Feb. 25; Gaz. vol. 187; p. 946.
- Saw guard, Band-. E. Harrold and C. G. Wilderson. No. 1,068,239; July 22; Gaz. vol. 192; p. 901.
- Saw-guide. J. L. Joyce. No. 1,055,182; Mar. 4; Gaz. vol. 188; p. 176.
- Saw-guide. B. B. Register. No. 1,061,869; May 13; Gaz. vol. 190; p. 480.
- Saw guide, Band-. C. E. Wright. No. 1,054,738; Mar. 4; Gaz. vol. 188; p. 29.
- Saw guide, Band-. H. Roick. No. 1,069,032; July 29; Gaz. vol. 192; p. 1213.
- Saw guide, Rotary-. J. L. Joyce. No. 1,064,336; June 10; Gaz. vol. 191; p. 433.
- Saw guide, Undercut-. J. W. Donahue. No. 1,054,517; Feb. 25; Gaz. vol. 187; p. 1027.
- Saw-guiding instrument. A. H. Koch. No. 1,064,346; June 10; Gaz. vol. 191; p. 436.
- Saw gummer, Cotton-. D. C. Nelson. No. 1,072,353; Sept. 2; Gaz. vol. 194; p. 231.
- Saw-handle. J. P. Jensen. No. 1,071,426; Aug. 26; Gaz. vol. 193; p. 899.
- Saw-handle. H. B. Garman. No. 1,078,599; Nov. 11; Gaz. vol. 196; p. 498.
- Saw handle, Crosscut-. C. M. Minton. No. 1,068,358; July 22; Gaz. vol. 192; p. 942.
- Saw-handle, Detachable. G. H. Knuckles. No. 1,060,909; May 6; Gaz. vol. 190; p. 120.
- Saw-holder. S. H. Brundige. No. 1,077,588; Nov. 4; Gaz. vol. 196; p. 120.
- Saw-jointer. P. Gagnon. No. 1,079,232; Nov. 18; Gaz. vol. 196; p. 750.
- Saw-jointer. F. M. Barnard. No. 1,081,714; Dec. 16; Gaz. vol. 197; p. 679.
- Saw jointer and sharpener. W. G. Kerr. No. 1,049,870; Jan. 7; Gaz. vol. 186; p. 188.
- Saw-jointer and side-dressing device. L. J. Hilier. No. 1,064,732; June 17; Gaz. vol. 191; p. 605.
- Saw, Machine-. C. and R. Wicksteed. No. 1,062,069; May 20; Gaz. vol. 190; p. 589.
- Saw machine, Band-. C. E. Wright. No. 1,072,200; Sept. 2; Gaz. vol. 194; p. 181.
- Saw mill, Band-. G. M. Pelton. No. 1,074,197; Sept. 30; Gaz. vol. 194; p. 989.
- Saw mill, Twin band-. C. E. Cleveland. No. 1,081,525; Dec. 16; Gaz. vol. 197; p. 620.
- Saw, Portable circular. P. F. Snyder. No. 1,057,180; Mar. 25; Gaz. vol. 188; p. 953.
- Saw, Portable power-. W. L. Hopkins. No. 1,061,381; May 13; Gaz. vol. 190; p. 315.
- Saw, Portable power-. T. O. Taggart. No. 1,061,702; May 13; Gaz. vol. 190; p. 429.
- Saw, Pruning-. A. G. Norton. No. 1,058,327; Apr. 8; Gaz. vol. 189; p. 365.
- Saw safety-guard, Band-. S. O. Seberg. No. 1,059,400; Apr. 22; Gaz. vol. 189; p. 809.
- Saw-set. H. Johnson. No. 1,054,124; Feb. 25; Gaz. vol. 187; p. 891.
- Saw-set. W. W. Jackson. No. 1,054,555; Feb. 25; Gaz. vol. 187; p. 1038.
- Saw-set. W. S. Little. No. 1,055,061; Mar. 4; Gaz. vol. 188; p. 138.
- Saw-set. F. E. Cowell. No. 1,055,712; Mar. 11; Gaz. vol. 188; p. 391.
- Saw-set. T. Griffin. No. 1,057,342; Mar. 25; Gaz. vol. 188; p. 1011.
- Saw-set. L. M. Pettit. No. 1,059,066; Apr. 15; Gaz. vol. 189; p. 658.
- Saw-set. E. Chainey. No. 1,059,347; Apr. 22; Gaz. vol. 189; p. 791.
- Saw-set. F. Hysert. No. 1,060,569; Apr. 29; Gaz. vol. 189; p. 1248.
- Saw-set. P. A. Olsen. No. 1,060,784; May 6; Gaz. vol. 190; p. 75.
- Saw-set. Z. Hogan. No. 1,062,466; May 20; Gaz. vol. 190; p. 722.
- Saw-set. J. W. Riley. No. 1,070,916; Aug. 19; Gaz. vol. 193; p. 694.
- Saw set and adjusting gage. L. Varshaw. No. 1,055,784; Mar. 11; Gaz. vol. 188; p. 483.
- Saw-setting machine. F. Galpin. No. 1,078,139; Nov. 11; Gaz. vol. 196; p. 340.
- Saw-setting machine. W. J. Holmes. No. 1,078,855; Nov. 18; Gaz. vol. 196; p. 620.
- Saw-setting mechanism. Edger-. G. S. Boucher. No. 1,056,252; Mar. 18; Gaz. vol. 188; p. 609.
- Saw-stretching-machine attachment. C. R. Sprague. No. 1,054,367; Feb. 25; Gaz. vol. 187; p. 975.
- Saw-swage. L. G. McKam. No. 1,056,755; Mar. 18; Gaz. vol. 188; p. 783.
- Saw-swage. D. H. Ball. No. 1,061,156; May 6; Gaz. vol. 190; p. 204.
- Saw-swage. J. Arenz. No. 1,062,211; May 20; Gaz. vol. 190; p. 638.
- Saw-swage. G. F. Conner. No. 1,066,998; July 8; Gaz. vol. 192; p. 408.
- Saw-swage. H. A. Fruin. No. 1,069,687; Aug. 12; Gaz. vol. 193; p. 235.
- Saw-swage. C. L. Olsen. No. 1,074,010; Sept. 23; Gaz. vol. 194; p. 898.
- Saw-swage. E. H. Wolfe. No. 1,077,573; Nov. 4; Gaz. vol. 196; p. 116.
- Saw swage and shaper. L. G. McKam. No. 1,056,434; Mar. 18; Gaz. vol. 188; p. 670.
- Saw-teeth, Shaper for swaged. W. R. Anthony. No. 1,064,419; June 10; Gaz. vol. 191; p. 463.
- Saw tensioning and straightening machine. T. W. Roach. No. 1,053,746; Feb. 18; Gaz. vol. 187; p. 729.
- Saw-tester. T. M. Cass. No. 1,052,568; Feb. 11; Gaz. vol. 187; p. 279.
- Saw-tooth and locking mechanism therefor, Inserted. A. Elson. No. 1,079,594; Nov. 25; Gaz. vol. 196; p. 905.
- Saw-tooth, Detachable. A. Krieger. No. 1,078,734; Nov. 18; Gaz. vol. 196; p. 578.
- Saw-tooth shaper. E. J. Lukemeyer and W. Geib. No. 1,049,884; Jan. 7; Gaz. vol. 186; p. 191.
- Saw, Trimmer-. G. F. De Wein. No. 1,083,006; Dec. 30; Gaz. vol. 197; p. 1187.
- Saws, Adjustable handle for crosscut-. N. R. Rashford. No. 1,070,628; Aug. 19; Gaz. vol. 193; p. 600.
- Saws, Automatic side dresser for circular. A. W. Nelson. No. 1,051,153; Jan. 21; Gaz. vol. 186; p. 696.
- Saws, Tension device for band-. M. T. Wertenbaker. No. 1,069,748; Aug. 12; Gaz. vol. 193; p. 257.
- Sawing apparatus. G. A. Daly. No. 1,053,578; Feb. 18; Gaz. vol. 187; p. 671.
- Sawing-machine. J. R. Binns. No. 1,058,714; Apr. 15; Gaz. vol. 189; p. 533.
- Sawing-machine. A. J. Tenow and C. E. Anderson. No. 1,059,235; Apr. 15; Gaz. vol. 189; p. 715.
- Sawing-machine. T. Lowe and T. L. King. No. 1,063,986; June 10; Gaz. vol. 191; p. 313.
- Sawing-machine. W. J. McSorley and J. W. Scott. No. 1,067,360; July 15; Gaz. vol. 192; p. 569.
- Sawing-machine. C. Wicksteed. No. 1,067,955; July 22; Gaz. vol. 192; p. 802.
- Sawing-machine attachment. J. P. Weidemeyer. No. 1,064,946; June 17; Gaz. vol. 191; p. 673.
- Sawing machine, Portable circular-. W. Kaylor. No. 1,075,918; Oct. 14; Gaz. vol. 195; p. 484.
- Sawing-machine ripper. J. B. Rivenbark. No. 1,067,550; July 15; Gaz. vol. 192; p. 633.
- Sawing machine, Stump-. E. C. Tapp. No. 1,067,076; July 8; Gaz. vol. 192; p. 434.
- Sawing machine, Thin-board-. G. R. Fosdick. No. 1,054,524; Feb. 25; Gaz. vol. 187; p. 1028.
- Sawing machine, Wood-. W. Kropp. No. 1,062,544; May 20; Gaz. vol. 190; p. 747.
- Sawmill-carriage feed. C. F. Ashley. No. 1,072,805; Sept. 9; Gaz. vol. 194; p. 418.
- Sawmill-carriage offset. G. M. Pelton. No. 1,073,166; Sept. 16; Gaz. vol. 194; p. 583.
- Sawmill-carriages, Wheel-guard for. W. T. Campen. No. 1,074,161; Sept. 30; Gaz. vol. 194; p. 977.
- Sawmill head-block. W. M. Wilkin. No. 1,065,993; July 1; Gaz. vol. 192; p. 32.
- Sawmill-recorder. B. B. and J. W. Spratlin. No. 1,057,679; Apr. 1; Gaz. vol. 189; p. 97.
- Sawmill set-works. C. W. Willette. No. 1,073,310; Sept. 16; Gaz. vol. 194; p. 636.
- Scaffold. C. E. Lillow. No. 1,060,914; May 6; Gaz. vol. 190; p. 122.
- Scaffold. E. A. Eriksson. No. 1,065,512; June 24; Gaz. vol. 191; p. 900.
- Scaffold. G. A. Nichols. No. 1,070,910; Aug. 19; Gaz. vol. 193; p. 692.
- Scaffold. S. Pichler. No. 1,073,925; Sept. 23; Gaz. vol. 194; p. 869.
- Scaffold-bracket hanger. J. W. Carl. No. 1,066,463; July 8; Gaz. vol. 192; p. 224.
- Scaffold-jack. N. Williams. No. 1,050,585; Jan. 14; Gaz. vol. 186; p. 467.
- Scaffold or shelf, Window. F. J. Brown. No. 1,070,009; Aug. 12; Gaz. vol. 193; p. 347.
- Scaffold-tie. D. P. Jones. No. 1,063,036; May 27; Gaz. vol. 190; p. 952.
- Scaffold-trestle, Adjustable. G. W. Johnson. No. 1,064,334; June 10; Gaz. vol. 191; p. 433.
- Scaffold, Window-cleaner's. E. W. Cooper. No. 1,083,192; Dec. 30; Gaz. vol. 197; p. 1242.
- Scaffolding-bracket. E. M. Clark. No. 1,076,270; Oct. 21; Gaz. vol. 195; p. 631.

Alphabetical list of inventions—Continued.

- Scale. T. L. Keppler. No. 1,056,281; Mar. 18; Gaz. vol. 188; p. 618.
- Scale. O. L. Gordon. No. 1,060,677; May 6; Gaz. vol. 190; p. 38.
- Scale. A. De Vilbiss, Jr. No. 1,063,169; May 27; Gaz. vol. 190; p. 996.
- Scale. N. Nilson. No. 1,063,582; June 3; Gaz. vol. 191; p. 140.
- Scale. F. P. Dunn. No. 1,064,458; June 10; Gaz. vol. 191; p. 477.
- Scale. C. F. Christopher. No. 1,067,213; July 8; Gaz. vol. 192; p. 483.
- Scale. B. W. King. No. 1,068,504; July 29; Gaz. vol. 192; p. 1030.
- Scale. R. McFarlane. No. 1,072,018; Sept. 2; Gaz. vol. 194; p. 120.
- Scale. R. McFarlane. No. 1,072,019; Sept. 2; Gaz. vol. 194; p. 120.
- Scale. R. McFarlane. No. 1,072,020; Sept. 2; Gaz. vol. 194; p. 121.
- Scale. R. McFarlane. No. 1,072,390; Sept. 2; Gaz. vol. 194; p. 245.
- Scale. F. S. Hebden. No. 1,073,072; Sept. 9; Gaz. vol. 194; p. 515.
- Scale. S. E. Eklund. No. 1,077,265; Nov. 4; Gaz. vol. 196; p. 8.
- Scale. I. Charet. No. 1,078,416; Nov. 11; Gaz. vol. 196; p. 438.
- Scale. I. Charet. No. 1,078,417; Nov. 11; Gaz. vol. 196; p. 438.
- Scale. A. P. Aiken. No. 1,080,401; Dec. 2; Gaz. vol. 197; p. 171.
- Scale-adjusting device. F. M. Stevens. No. 1,052,023; Feb. 4; Gaz. vol. 187; p. 62.
- Scale-alarm. W. J. Rice. No. 1,058,467; Apr. 8; Gaz. vol. 189; p. 413.
- Scale attachment. W. N. Briggs. No. 1,057,324; Mar. 25; Gaz. vol. 188; p. 1005.
- Scale attachment. A. N. Petty. No. 1,066,944; July 8; Gaz. vol. 192; p. 391.
- Scale attachment. F. D. Shea. No. 1,070,295; Aug. 12; Gaz. vol. 193; p. 444.
- Scale. Automatic recording-. E. McGarvey. No. 1,069,276; Aug. 5; Gaz. vol. 193; p. 66.
- Scale. Automatic traveling load-. H. Richardson. No. 1,072,500; Sept. 9; Gaz. vol. 194; p. 311.
- Scale. Automatic weighing-. G. Schnabl. No. 1,080,374; Dec. 2; Gaz. vol. 197; p. 161.
- Scale balancing-lever, Weighing-. C. M. Sturgis. No. 1,057,987; Apr. 1; Gaz. vol. 189; p. 202.
- Scale. Coin-operated weighing-. C. A. Fey. No. 1,077,517; Nov. 4; Gaz. vol. 196; p. 98.
- Scale. Computing-. J. Hopkinson. No. 1,050,832; Jan. 21; Gaz. vol. 186; p. 584.
- Scale. Computing-. J. W. Culmer. No. 1,054,180; Feb. 25; Gaz. vol. 187; p. 912.
- Scale. Computing-. F. C. Osborn. No. 1,062,603; May 27; Gaz. vol. 190; p. 810.
- Scale. Computing-. E. H. Clutter. No. 1,066,583; July 8; Gaz. vol. 192; p. 267.
- Scale. Computing-. J. Hopkinson. No. 1,077,935; Nov. 4; Gaz. vol. 196; p. 238.
- Scale. Computing and recording. G. W. Meyer. No. 1,052,501; Feb. 11; Gaz. vol. 187; p. 257.
- Scale cut-off, Computing-. J. J. Duffie. No. 1,057,811; Apr. 1; Gaz. vol. 189; p. 143.
- Scale. Eccentric-balance computing-. E. Pierson. No. 1,061,116; May 6; Gaz. vol. 190; p. 191.
- Scale. Electric. H. Richardson. No. 1,066,656; July 8; Gaz. vol. 192; p. 292.
- Scale. Measuring-. J. A. Kincaid. No. 1,074,439; Sept. 30; Gaz. vol. 194; p. 1070.
- Scale-pan support. P. Keil and E. A. Stephens. No. 1,072,956; Sept. 9; Gaz. vol. 194; p. 474.
- Scale. Platform-. W. H. Draughon. No. 1,053,718; Feb. 18; Gaz. vol. 187; p. 720.
- Scale. Pneumatic. S. E. Harback. No. 1,070,460; Aug. 19; Gaz. vol. 193; p. 543.
- Scale. Pneumatic. S. E. Harback. No. 1,070,461; Aug. 19; Gaz. vol. 193; p. 543.
- Scale. Pocket postal. H. A. Meyer. No. 1,080,771; Dec. 9; Gaz. vol. 197; p. 328.
- Scale poise and beam. A. W. Epright. No. 1,054,963; Mar. 4; Gaz. vol. 188; p. 104.
- Scale. Postal. J. W. Vaughn. No. 1,080,391; Dec. 2; Gaz. vol. 197; p. 168.
- Scale. Scoop-balance. F. C. Wright. No. 1,080,398; Dec. 2; Gaz. vol. 197; p. 171.
- Scale. Spring-balance. J. Hopkinson. No. 1,065,808; June 24; Gaz. vol. 191; p. 1000.
- Scale-tester. J. T. Boswell. No. 1,054,168; Feb. 25; Gaz. vol. 187; p. 907.
- Scale-tester, Portable. T. Jacobs. No. 1,070,477; Aug. 19; Gaz. vol. 193; p. 549.
- Scale. Vehicle-. E. N. Osborne. No. 1,079,260; Nov. 18; Gaz. vol. 196; p. 758.
- Scale. Weighing-. A. De Vilbiss, Jr. No. 1,053,582; Feb. 18; Gaz. vol. 187; p. 672.
- Scale. Weighing-. G. Walker. No. 1,060,043; Apr. 29; Gaz. vol. 189; p. 1066.
- Scale. Weighing-. B. M. Kent. No. 1,064,971; June 17; Gaz. vol. 191; p. 683.
- Scale. Weighing-. M. A. Duquette. No. 1,072,589; Sept. 9; Gaz. vol. 194; p. 343.
- Scale. Weighing-. B. D. Emanuel. No. 1,074,421; Sept. 30; Gaz. vol. 194; p. 1063.
- Scale. Weighing-. H. Cummer. No. 1,076,486; Oct. 21; Gaz. vol. 195; p. 709.
- Scale. Weighing-. J. L. Saylor. No. 1,080,236; Dec. 2; Gaz. vol. 197; p. 111.
- Scale. Weighing-. J. L. Saylor. No. 1,080,237; Dec. 2; Gaz. vol. 197; p. 111.
- Scale. Weighing-. G. Hutchinson. No. 1,081,234; Dec. 9; Gaz. vol. 197; p. 482.
- Scale. Weighing and adding. H. Hathaway. No. 1,079,336; Nov. 25; Gaz. vol. 196; p. 815.
- Scale. Weighing and computing. L. C. Wetzel. No. 1,068,616; July 29; Gaz. vol. 192; p. 1069.
- Scales. Approach for track-. H. J. Robichaux. No. 1,057,881; Apr. 1; Gaz. vol. 189; p. 167.
- Scales. Bag-holding device for. E. S. Kneeland. No. 1,081,452; Dec. 16; Gaz. vol. 197; p. 595.
- Scales recording attachment. R. E. Hart. No. 1,081,738; Dec. 16; Gaz. vol. 197; p. 687.
- Scales. Weighing-scoop for. D. Hobart. No. 1,061,841; May 13; Gaz. vol. 190; p. 470.
- Scaling device. C. W. Taylor. No. 1,069,088; July 29; Gaz. vol. 192; p. 1234.
- Scalp-ionic comb. A. E. Lambert. No. 1,065,814; June 24; Gaz. vol. 191; p. 1002.
- Scalper, Rotary bar-. C. S. Vosburgh and J. L. G. Blouin. No. 1,072,061; Sept. 2; Gaz. vol. 194; p. 133.
- Scarf. Head-. G. S. Zick. No. 1,075,181; Oct. 7; Gaz. vol. 195; p. 204.
- Scarf-pin. G. A. Schlechter. No. 1,053,539; Feb. 18; Gaz. vol. 187; p. 657.
- Scarf-pin. F. Pulaski. No. 1,056,054; Mar. 18; Gaz. vol. 188; p. 540.
- Scarf-pin. L. P. Walcher. No. 1,077,109; Oct. 28; Gaz. vol. 195; p. 979.
- Scarf-pin fastener. M. Crohn. No. 1,054,178; Feb. 25; Gaz. vol. 187; p. 911.
- Scarf-pin guard. J. Kurek. No. 1,050,552; Jan. 14; Gaz. vol. 186; p. 457.
- Scarf-pin retainer. E. R. Sheppard. No. 1,053,883; Feb. 18; Gaz. vol. 187; p. 772.
- Scarf-pins, hat-pins, &c., Safety attachment for. A. B. Shaw. No. 1,054,319; Feb. 25; Gaz. vol. 187; p. 958.
- Scenery apparatus, Stage-. F. W. Hochstetter. No. 1,080,691; Dec. 9; Gaz. vol. 197; p. 299.
- Scenery, Knockdown or folding. G. Kunkel and G. H. Williams. No. 1,062,479; May 20; Gaz. vol. 190; p. 727.
- Scenic and musical effects, Apparatus for. A. L. McMurry. No. 1,071,939; Sept. 2; Gaz. vol. 194; p. 93.
- Schedule-indicator. R. Quinn. No. 1,064,770; June 17; Gaz. vol. 191; p. 617.
- School-register. H. H. Cowing. No. 1,050,001; Jan. 7; Gaz. vol. 186; p. 230.
- School seat and desk. J. M. Stubblefield. No. 1,073,718; Sept. 23; Gaz. vol. 194; p. 801.
- Scissors, Buttonhole-. F. Karsitz. No. 1,062,829; May 27; Gaz. vol. 190; p. 884.
- Scissors, Buttonhole-. J. Sparks. No. 1,065,741; June 24; Gaz. vol. 191; p. 978.
- Scissors, Buttonhole-. F. Karsitz. No. 1,077,280; Nov. 4; Gaz. vol. 196; p. 13.
- Scissors, Buttonhole-. P. Friederick. No. 1,080,145; Dec. 2; Gaz. vol. 197; p. 80.
- Scissors with movable pivot. G. Manthei. No. 1,072,136; Sept. 2; Gaz. vol. 194; p. 160.
- Scoop. C. E. Skyum. No. 1,074,474; Sept. 30; Gaz. vol. 194; p. 1081.
- Scoop. M. J. Gogarty. No. 1,075,561; Oct. 14; Gaz. vol. 195; p. 363.
- Scoop. Adjustable measuring-. J. M. Welch. No. 1,050,502; Jan. 14; Gaz. vol. 186; p. 439.
- Scoop, Double water-. W. B. Smith. No. 1,065,279; June 17; Gaz. vol. 191; p. 783.
- Scoop or bucket, Drag. F. L. Parker. No. 1,082,438; Dec. 23; Gaz. vol. 197; p. 956.
- Scoop, Self-weighing. P. E. Bertram. No. 1,058,713; Apr. 15; Gaz. vol. 189; p. 533.
- Scoop, Self-weighing. J. H. Morehead. No. 1,060,483; Apr. 29; Gaz. vol. 189; p. 1218.
- Score-board, Base-ball. G. S. Coleman. No. 1,069,920; Aug. 12; Gaz. vol. 193; p. 316.
- Scoring and other sheet-working machine. O. M. Hoch. No. 1,060,681; May 6; Gaz. vol. 190; p. 40.
- Scoring-machine. H. De Smith and C. R. Seymour. No. 1,054,962; Mar. 4; Gaz. vol. 188; p. 104.
- Scouring and finishing tool. A. Smilovetz. No. 1,067,280; July 15; Gaz. vol. 192; p. 542.
- Scraper. W. H. Morris. No. 1,053,426; Feb. 18; Gaz. vol. 187; p. 619.
- Scraper. C. J. Allman. No. 1,055,851; Mar. 11; Gaz. vol. 188; p. 438.
- Scraper and smoothen. Combined. F. J. Kolson. No. 1,061,085; May 6; Gaz. vol. 190; p. 180.

Alphabetical list of inventions—Continued.

- Scraper, Cotton and corn. E. Fowler. No. 1,054,403; Feb. 25; Gaz. vol. 187; p. 988.
- Scraper, Drag-. J. S. and E. H. McKinney. No. 1,068,687; July 29; Gaz. vol. 192; p. 1094.
- Scraper, Grading-. J. F. Thomas and J. Haney. No. 1,061,144; May 6; Gaz. vol. 190; p. 201.
- Scraper, Hand-hole. G. P. Brown. No. 1,058,406; Apr. 8; Gaz. vol. 189; p. 393.
- Scraper, Road-. P. Miller. No. 1,052,502; Feb. 11; Gaz. vol. 187; p. 258.
- Scraper, Road-. A. T. Newell. No. 1,056,930; Mar. 25; Gaz. vol. 188; p. 872.
- Scraper, Road-. J. A. Smith. No. 1,066,332; July 1; Gaz. vol. 192; p. 152.
- Scraper, Road-. E. S. Phillips. No. 1,072,160; Sept. 2; Gaz. vol. 194; p. 169.
- Scraper, Road hone-. L. C. Averell. No. 1,070,381; Aug. 12; Gaz. vol. 193; p. 475.
- Scraper, Self-dumping. M. A. West. No. 1,061,791; May 13; Gaz. vol. 190; p. 455.
- Scraper, Tined. A. Vollers. No. 1,065,748; June 24; Gaz. vol. 191; p. 980.
- Scraper, Water-main. F. W. Hammond. No. 1,058,175; Apr. 8; Gaz. vol. 189; p. 313.
- Scraper, Wheel and drag-line. E. M. Sheaffer. No. 1,066,423; July 1; Gaz. vol. 192; p. 179.
- Scraper, Wheeled. T. B. Ferguson. No. 1,074,589; Sept. 30; Gaz. vol. 194; p. 1118.
- Scraping device for road machinery. W. T. Thompson. No. 1,065,188; June 17; Gaz. vol. 191; p. 751.
- Scraping-machine. A. Shore. No. 1,054,145; Feb. 25; Gaz. vol. 187; p. 899.
- Scraping-tool. P. Full. No. 1,082,802; Dec. 30; Gaz. vol. 197; p. 1116.
- Scraping-tool, Rotary. M. F. Powell. No. 1,053,215; Feb. 18; Gaz. vol. 187; p. 544.
- Screen- See Bed and crib screen; Car-screen; Carrier-screen; Centrifugal screen; Chaffing-screen; Cleaning-screen; Coal-screen; Door and window screen; Dust and cinder screen; Dust-collecting screen; Fish-screen; Fly-screen; Half-tone screen; Photographic screen; Picture-screen; Revolving screen; Roller-screen; Rotary screen; Sand-screen; Shade-screen; Sizing-screen; Sound-screen; Weather-screen; Well-screen; Wind-screen; Window-screen; Window and door screen; Wire-mesh screen.
- Screen. L. Simon. No. 1,054,993; Mar. 4; Gaz. vol. 188; p. 115.
- Screen. W. H. Maze. No. 1,058,616; Apr. 8; Gaz. vol. 189; p. 463.
- Screen. J. Dyer and G. H. Leonard. No. 1,065,304; June 17; Gaz. vol. 191; p. 791.
- Screen. U. S. Avery. No. 1,073,016; Sept. 9; Gaz. vol. 194; p. 495.
- Screen. T. E. McWilliams. No. 1,077,849; Nov. 4; Gaz. vol. 196; p. 208.
- Screen. C. V. Nilsson. No. 1,079,575; Nov. 25; Gaz. vol. 196; p. 897.
- Screen. E. Lynch. No. 1,080,466; Dec. 2; Gaz. vol. 197; p. 192.
- Screen attachment, Window-. A. Rettstadt. No. 1,060,362; Apr. 29; Gaz. vol. 189; p. 1177.
- Screen construction for doors and windows, Combined storm and fly. E. Klawuhn. No. 1,063,202; June 3; Gaz. vol. 191; p. 12.
- Screen for coal-chutes. H. F. Tyson. No. 1,055,499; Mar. 11; Gaz. vol. 188; p. 321.
- Screen-frame, Adjustable. R. E. Sandt and C. R. Umstead. No. 1,049,538; Jan. 7; Gaz. vol. 186; p. 75.
- Screen hanger, Window-. C. F. Courson. No. 1,059,713; Apr. 22; Gaz. vol. 189; p. 913.
- Screen-lock. J. W. Cook. No. 1,066,799; July 8; Gaz. vol. 192; p. 342.
- Screen-mount for projection-machine work and similar purposes. C. S. Wertsner. No. 1,057,470; Apr. 1; Gaz. vol. 189; p. 25.
- Screen or separator. T. J. Sturtevant. No. 1,072,879; Sept. 9; Gaz. vol. 194; p. 446.
- Screen or sieve. F. Mayn. No. 1,069,799; Aug. 12; Gaz. vol. 193; p. 274.
- Screen-plate holder. H. E. Spring. No. 1,073,825; Sept. 23; Gaz. vol. 194; p. 834.
- Screen-supporting frame, Foldable. J. B. Lynch. No. 1,078,587; Nov. 11; Gaz. vol. 196; p. 493.
- Screens, filtering fabrics, and the like, Cleaning. M. J. Trott. No. 1,052,191; Feb. 4; Gaz. vol. 187; p. 121.
- Screens, Machine for making water and oil. R. F. Kreiter, E. S. Post, A. L. Roco, and M. E. Layne. No. 1,079,417; Nov. 25; Gaz. vol. 196; p. 843.
- Screens, Producing three-color. R. Krayn. No. 1,055,189; Mar. 4; Gaz. vol. 188; p. 179.
- Screening and separating apparatus. M. T. Rombauer. No. 1,051,267; Jan. 21; Gaz. vol. 186; p. 733.
- Screening and separating machinery. H. S. Vrooman. No. 1,067,204; July 8; Gaz. vol. 192; p. 479.
- Screening apparatus. R. W. Dull. No. 1,082,855; Dec. 30; Gaz. vol. 197; p. 1134.
- Screening-machine. D. L. Kibler. No. 1,064,344; June 10; Gaz. vol. 191; p. 436.
- Screening-machine. J. F. and A. W. Mold. No. 1,080,072; Dec. 2; Gaz. vol. 197; p. 54.
- Screw-caps, Machine for making sheet-metal. H. Graf. No. 1,070,682; Aug. 19; Gaz. vol. 193; p. 619.
- Screw-chucks, Preparing stock for. I. H. Gordon. No. 1,055,396; Mar. 11; Gaz. vol. 188; p. 286.
- Screw-cutting die. J. T. Lewis. No. 1,052,071; Feb. 4; Gaz. vol. 187; p. 78.
- Screw-cutting die. F. H. Cook. No. 1,053,158; Feb. 18; Gaz. vol. 187; p. 525.
- Screw-cutting machine. W. S. Davenport. No. 1,055,448; Mar. 11; Gaz. vol. 188; p. 304.
- Screw-cutting machine. F. Hirsch. No. 1,064,218; June 10; Gaz. vol. 191; p. 394.
- Screw-cutting machine. F. Hirsch and J. J. Bemmer. No. 1,064,219; June 10; Gaz. vol. 191; p. 394.
- Screw-cutting machine. F. Hirsch. No. 1,064,220; June 10; Gaz. vol. 191; p. 395.
- Screw, Cylinder-. J. Van Katwyk. No. 1,070,560; Aug. 19; Gaz. vol. 193; p. 579.
- Screw-driver. R. B. Benjamin. No. 1,049,649; Jan. 7; Gaz. vol. 186; p. 114.
- Screw-driver. R. B. Benjamin. No. 1,049,650; Jan. 7; Gaz. vol. 186; p. 114.
- Screw-driver. C. Groos. No. 1,055,031; Mar. 4; Gaz. vol. 188; p. 129.
- Screw-driver. C. Groos. No. 1,056,095; Mar. 18; Gaz. vol. 188; p. 555.
- Screw-driver. W. N. Titus, Jr. No. 1,063,304; June 3; Gaz. vol. 191; p. 45.
- Screw-driver. A. A. Zwiebel. No. 1,069,312; Aug. 5; Gaz. vol. 193; p. 77.
- Screw-driver. J. H. Shaw. No. 1,081,704; Dec. 16; Gaz. vol. 197; p. 676.
- Screw-driving machine. L. A. Fleming. No. 1,057,230; Mar. 25; Gaz. vol. 188; p. 975.
- Screw-driving mechanism. F. W. Russell. No. 1,082,771; Dec. 30; Gaz. vol. 197; p. 1107.
- Screw gripper and driver. C. S. Reamy. No. 1,075,225; Oct. 7; Gaz. vol. 195; p. 219.
- Screw guard, Set-. C. E. Pierce. No. 1,066,841; July 8; Gaz. vol. 192; p. 355.
- Screw-heads, Mechanism for slotting. G. T. Warwick. No. 1,082,720; Dec. 30; Gaz. vol. 197; p. 1088.
- Screw-jack. R. Fortier. No. 1,067,598; July 15; Gaz. vol. 192; p. 649.
- Screw-lock. J. Thomas. No. 1,050,084; Jan. 7; Gaz. vol. 186; p. 260.
- Screw, Locking-. H. Meredith-Jones. No. 1,082,891; Dec. 30; Gaz. vol. 197; p. 1148.
- Screw-joint. A. B. Owen and J. S. Snyder. No. 1,067,878; July 22; Gaz. vol. 192; p. 778.
- Screw-machine. P. L. Robertson. No. 1,051,915; Feb. 4; Gaz. vol. 187; p. 23.
- Screw-machine. G. H. Newton. No. 1,066,035; July 1; Gaz. vol. 192; p. 46.
- Screw-machine. G. H. Newton. No. 1,066,036; July 1; Gaz. vol. 192; p. 46.
- Screw-machines, Driving mechanism for multiple-spindle. W. A. Zeiser and G. B. Pickop. No. 1,053,465; Feb. 18; Gaz. vol. 187; p. 631.
- Screw-making machine. G. Kuhn. No. 1,052,066; Feb. 4; Gaz. vol. 187; p. 76.
- Screw-making machine, Wood-. H. P. Townsend. No. 1,053,244; Feb. 18; Gaz. vol. 187; p. 554.
- Screw-operating mechanism. L. J. Fanning. No. 1,077,465; Nov. 4; Gaz. vol. 196; p. 79.
- Screw or the like, Set-. D. S. Goodwin. No. 1,075,710; Oct. 14; Gaz. vol. 195; p. 413.
- Screw-plate. C. C. Russell. No. 1,061,129; May 6; Gaz. vol. 190; p. 196.
- Screw-plate. C. C. Russell. No. 1,074,466; Sept. 30; Gaz. vol. 194; p. 1079.
- Screw-press. F. P. Renneburg. No. 1,076,995; Oct. 28; Gaz. vol. 195; p. 943.
- Screw-press to form insulators. R. G. Hemingray and C. Hawk. (Reissue). No. 13,661; Dec. 23; Gaz. vol. 197; p. 970.
- Screw, Safety set-. J. H. Graham. No. 1,082,945; Dec. 30; Gaz. vol. 197; p. 1166.
- Screw, Self-locking. F. P. Haines. No. 1,070,247; Aug. 12; Gaz. vol. 193; p. 428.
- Screw, Set-. H. C. Hart. No. 1,061,176; May 6; Gaz. vol. 190; p. 210.
- Screw-spikes, Head-support for. C. J. Gadd. No. 1,062,905; May 27; Gaz. vol. 190; p. 910.
- Screw, Stage-. H. F. Lees. No. 1,055,056; Mar. 4; Gaz. vol. 188; p. 137.
- Screw-threading machine. L. C. Hamilton and J. A. Hendricks. No. 1,068,126; July 22; Gaz. vol. 192; p. 861.
- Screw-wrench. O. Knoop. No. 1,062,830; May 27; Gaz. vol. 190; p. 884.
- Screws, cap-screws, and the like, Upsetting set-. T. Ferry. No. 1,069,659; Aug. 5; Gaz. vol. 193; p. 195.
- Scriber. J. A. Koehl. No. 1,081,840; Dec. 16; Gaz. vol. 197; p. 725.
- Scriber, Adjustable curve-. W. S. Weston. No. 1,061,345; May 13; Gaz. vol. 190; p. 303.
- Script holder, Railway-. G. H. Cleveland. No. 1,081,094; Dec. 9; Gaz. vol. 197; p. 435.

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- Scrubber. L. Trudeau. No. 1,067,889; July 22; Gaz. vol. 192; p. 781.
- Scrubber and mop, Combined. A. T. Lemon. No. 1,062,105; May 20; Gaz. vol. 190; p. 602.
- Scrubber and mop, Combined. H. G. Shaw. No. 1,065,975; July 1; Gaz. vol. 192; p. 26.
- Scrubber and mop, Combined. A. Förisdal. No. 1,071,552; Aug. 26; Gaz. vol. 193; p. 940.
- Scrubbing-machine. M. J. Katt. No. 1,055,470; Mar. 11; Gaz. vol. 188; p. 312.
- Scrubbing-machine. C. L. Sladinska. No. 1,056,129; Mar. 18; Gaz. vol. 188; p. 567.
- Scrubbing-machine. G. H. Gaston and P. Meyer. No. 1,057,539; Apr. 1; Gaz. vol. 189; p. 49.
- Scrubbing-machine. J. A. Gafney. No. 1,059,136; Apr. 15; Gaz. vol. 189; p. 682.
- Scrubbing-machine. F. A. Brett. No. 1,062,533; May 20; Gaz. vol. 190; p. 744.
- Scrubbing-machine, Rotary. T. R. Jenkins, Jr. No. 1,079,298; Nov. 18; Gaz. vol. 196; p. 298.
- Sea-walls, piers, pontoons, &c., Construction of. F. G. Lynde and E. R. Calthrop. No. 1,054,224; Feb. 25; Gaz. vol. 187; p. 928.
- Sea-water temperatures, Audible signal for determining. A. McNab. No. 1,062,292; May 20; Gaz. vol. 190; p. 665.
- Seal. J. F. Webb. No. 1,059,689; Apr. 22; Gaz. vol. 189; p. 906.
- Seal. G. M. Browning. No. 1,075,327; Oct. 14; Gaz. vol. 195; p. 281.
- Seal. E. Tyden. No. 1,080,181; Dec. 2; Gaz. vol. 197; p. 91.
- Seal. E. Tyden. No. 1,080,182; Dec. 2; Gaz. vol. 197; p. 92.
- Seal. J. F. Mitchell. No. 1,081,978; Dec. 23; Gaz. vol. 197; p. 798.
- Seal and knot protector. S. Baruch. No. 1,074,769; Oct. 7; Gaz. vol. 195; p. 63.
- Seal-applying machine. H. M. Brown. No. 1,053,122; Feb. 11; Gaz. vol. 187; p. 470.
- Seal-assembling machine, Bottle-. A. K. Keller. No. 1,081,505; Dec. 16; Gaz. vol. 197; p. 613.
- Seal-bolt. P. M. Ciernia. No. 1,079,839; Nov. 25; Gaz. vol. 196; p. 990.
- Seal, Bottle-. A. G. Kaufman. No. 1,071,752; Sept. 2; Gaz. vol. 194; p. 28.
- Seal, Bottle or jar. R. C. Dole and C. H. Hinemeyer. No. 1,065,911; June 24; Gaz. vol. 191; p. 1036.
- Seal, Car-. J. W. Bower and H. W. Greemann. No. 1,057,925; Apr. 1; Gaz. vol. 189; p. 181.
- Seal, Car-. G. F. Hix. No. 1,063,261; June 3; Gaz. vol. 191; p. 31.
- Seal, Car-. F. E. Brown. No. 1,077,587; Nov. 4; Gaz. vol. 196; p. 120.
- Seal, Car-door. J. W. Rumsey and W. H. Sheasby. No. 1,078,557; Nov. 11; Gaz. vol. 196; p. 483.
- Seal, Cording-. W. M. Brooks. No. 1,062,880; May 27; Gaz. vol. 190; p. 901.
- Seal, Envelop-. S. H. Geer. No. 1,050,446; Jan. 14; Gaz. vol. 186; p. 419.
- Seal-fastening. A. V. A. McHarg. No. 1,054,436; Feb. 25; Gaz. vol. 187; p. 999.
- Seal-fastening. T. E. Murray. No. 1,054,440; Feb. 25; Gaz. vol. 187; p. 1000.
- Seal-fastening. G. K. Jessup. No. 1,055,638; Mar. 11; Gaz. vol. 188; p. 366.
- Seal for sacks. H. M. Jones. No. 1,067,741; July 15; Gaz. vol. 192; p. 698.
- Seal for sewerage systems, Automatic back-surge. A. Ibbeken. No. 1,067,610; July 15; Gaz. vol. 192; p. 653.
- Seal-hasp. E. R. Burns. No. 1,078,534; Nov. 11; Gaz. vol. 196; p. 474.
- Seal-lock. W. C. Martineau. No. 1,049,380; Jan. 7; Gaz. vol. 186; p. 21.
- Seal-lock. R. C. Pleins. No. 1,066,650; July 8; Gaz. vol. 192; p. 290.
- Seal-lock. O. E. Sharp. No. 1,074,020; Sept. 23; Gaz. vol. 194; p. 901.
- Seal-lock. L. C. Asmussen. No. 1,079,092; Nov. 18; Gaz. vol. 196; p. 702.
- Seal-lock. E. Tyden. No. 1,080,185; Dec. 2; Gaz. vol. 197; p. 93.
- Seal-lock hasp. E. Tyden. No. 1,080,242; Dec. 2; Gaz. vol. 197; p. 113.
- Seal-lock seal. E. Tyden. No. 1,080,184; Dec. 2; Gaz. vol. 197; p. 93.
- Seal-lock, Sliding-door. W. C. Martineau. No. 1,049,381; Jan. 7; Gaz. vol. 186; p. 21.
- Seal-locked can. E. Tyden. No. 1,076,334; Oct. 21; Gaz. vol. 195; p. 655.
- Seal-locked can. E. Tyden. No. 1,076,616; Oct. 21; Gaz. vol. 195; p. 756.
- Seal-locked can. E. Tyden. No. 1,080,183; Dec. 2; Gaz. vol. 197; p. 92.
- Seal, Milk-bottle. W. D. Hall. No. 1,073,071; Sept. 9; Gaz. vol. 194; p. 515.
- Seal, Package-. W. W. Freschl. No. 1,080,823; Dec. 9; Gaz. vol. 197; p. 348.
- Seal-press. R. A. Pollock. No. 1,056,936; Mar. 25; Gaz. vol. 188; p. 874.
- Seal-press, Hand. J. A. Ryan. No. 1,055,494; Mar. 11; Gaz. vol. 188; p. 319.
- Seal-press, Ratchet. E. J. Brooks. No. 1,071,139; Aug. 26; Gaz. vol. 193; p. 803.
- Seal, Snap-. E. J. Brooks. No. 1,052,562; Feb. 11; Gaz. vol. 187; p. 277.
- Seal, Snap-. W. M. Brooks. No. 1,056,623; Mar. 18; Gaz. vol. 188; p. 736.
- Seal, Tin. F. Treude. No. 1,067,081; July 8; Gaz. vol. 192; p. 435.
- Seal, Tin-shackle. W. M. Brooks. No. 1,062,879; May 27; Gaz. vol. 190; p. 900.
- Seal, Vacuum-tight. F. G. Keyes. No. 1,079,352; Nov. 25; Gaz. vol. 196; p. 820.
- Seals, Machine for manufacturing leaden. D. Debbas. No. 1,083,198; Dec. 30; Gaz. vol. 197; p. 1244.
- Sealed jar, Liquid-. W. N. Moore. No. 1,081,856; Dec. 16; Gaz. vol. 197; p. 729.
- Sealer, Bread-wrapper. F. Streich. No. 1,081,560; Dec. 16; Gaz. vol. 197; p. 631.
- Sealer, Envelop-. A. Olson. No. 1,059,385; Apr. 22; Gaz. vol. 189; p. 803.
- Sealing apparatus, Bottle-. B. Adriance and A. Calleson. No. 1,083,235; Dec. 30; Gaz. vol. 197; p. 1258.
- Sealing attachment for pumps. W. C. Pritchard. No. 1,067,374; July 15; Gaz. vol. 192; p. 574.
- Sealing bottles. K. L. Kithil. No. 1,076,770; Oct. 28; Gaz. vol. 195; p. 862.
- Sealing-cap for vessels. J. A. Hicks. No. 1,082,696; Dec. 30; Gaz. vol. 197; p. 1079.
- Sealing carbon tetrachlorid, Process and apparatus for. A. C. Rowe. No. 1,074,747; Oct. 7; Gaz. vol. 195; p. 56.
- Sealing device. F. J. Macklin and F. W. Trimmer. No. 1,057,438; Apr. 1; Gaz. vol. 189; p. 16.
- Sealing device. W. K. Edgar. No. 1,064,462; June 10; Gaz. vol. 191; p. 478.
- Sealing device. W. K. Edgar. No. 1,064,463; June 10; Gaz. vol. 191; p. 478.
- Sealing device. C. E. Fox. No. 1,065,934; July 1; Gaz. vol. 192; p. 9.
- Sealing device, Bag-. J. T. Story. No. 1,059,406; Apr. 22; Gaz. vol. 189; p. 811.
- Sealing device, Car-door-. J. F. O'Connor. No. 1,070,057; Aug. 12; Gaz. vol. 193; p. 362.
- Sealing device, Envelop-. A. E. Young and G. G. Holmes. No. 1,058,131; Apr. 8; Gaz. vol. 189; p. 297.
- Sealing device for cans, &c. S. W. Milligan and J. F. Jacobsen. No. 1,082,892; Dec. 30; Gaz. vol. 197; p. 1148.
- Sealing device, Wrapper-. J. E. Lang. No. 1,058,069; Apr. 8; Gaz. vol. 189; p. 274.
- Sealing-machine. R. E. Meyer. No. 1,060,201; Apr. 29; Gaz. vol. 189; p. 1117.
- Sealing machine, Bottle-. H. T. Snyder. No. 1,050,868; Jan. 21; Gaz. vol. 186; p. 597.
- Sealing machine, Bottle-. A. Calleson. No. 1,078,607; Nov. 18; Gaz. vol. 196; p. 532.
- Sealing machine, Bottle-. A. A. Rosengren. No. 1,081,931; Dec. 16; Gaz. vol. 197; p. 753.
- Sealing machine, Can-. J. C. Bowers and H. P. Townsend. No. 1,052,032; Feb. 4; Gaz. vol. 187; p. 65.
- Sealing machine, Carton-. H. L. Johnson. No. 1,052,666; Feb. 11; Gaz. vol. 187; p. 313.
- Sealing machine, Carton-. H. L. Johnson. No. 1,052,667; Feb. 11; Gaz. vol. 187; p. 313.
- Sealing machine, Envelop-. A. F. Marten. No. 1,055,199; Mar. 4; Gaz. vol. 188; p. 182.
- Sealing machine, Envelop-. F. Ruszkowski. No. 1,072,262; Sept. 2; Gaz. vol. 194; p. 200.
- Sealing machine, Envelop-. C. A. Burr. No. 1,074,772; Oct. 7; Gaz. vol. 195; p. 64.
- Sealing-machine feed mechanism, Bottle-. A. Calleson. No. 1,082,189; Dec. 23; Gaz. vol. 197; p. 870.
- Sealing machine, Paper-bottle. F. N. and W. C. Weis. No. 1,069,915; Aug. 12; Gaz. vol. 193; p. 314.
- Sealing machine, Rotary envelop-. J. A. Markoe. No. 1,058,770; Apr. 15; Gaz. vol. 189; p. 553.
- Sealing means, Door-. P. L. Day. No. 1,066,259; July 1; Gaz. vol. 192; p. 127.
- Sealing means for vaults. F. E. Arndt. No. 1,074,402; Sept. 30; Gaz. vol. 194; p. 1057.
- Sealing metal cans. C. E. Rogers. No. 1,070,735; Aug. 19; Gaz. vol. 193; p. 636.
- Sealing metal cans. C. E. Rogers. No. 1,070,736; Aug. 19; Gaz. vol. 193; p. 637.
- Sealing shafts, tunnels, and the like. R. G. Johnson. No. 1,065,369; June 24; Gaz. vol. 191; p. 852.
- Sealing-tool. L. V. Hull and H. B. Moorehead. No. 1,065,131; June 17; Gaz. vol. 191; p. 734.
- Sealing wrapped articles, Apparatus for. M. B. Ferguson. No. 1,066,193; July 1; Gaz. vol. 192; p. 104.
- Sealing wrapped packages, Device for. W. Borchert. No. 1,061,039; May 6; Gaz. vol. 190; p. 167.
- Seam. J. H. Doran. No. 1,072,102; Sept. 2; Gaz. vol. 194; p. 147.
- Seam for sewed articles, Circular. M. Druckerman. No. 1,051,316; Jan. 21; Gaz. vol. 186; p. 751.
- Seam for sweater-garments, Junction-. J. W. Curran. No. 1,066,256; July 1; Gaz. vol. 192; p. 127.

Alphabetical list of inventions—Continued.

- Seam-ripper. E. E. Hanson. No. 1,063,436; June 3; Gaz. vol. 191; p. 90.
- Seam-ripper, Safety. C. C. Woodworth. No. 1,081,357; Dec. 16; Gaz. vol. 197; p. 563.
- Seams, Machine for opening and flattening. F. W. Coan. No. 1,071,298; Aug. 26; Gaz. vol. 193; p. 856.
- Seaming device and seam. J. W. Wallace. No. 1,053,458; Feb. 18; Gaz. vol. 187; p. 629.
- Seaming machine, Can-top-. P. Kruse. No. 1,063,700; June 3; Gaz. vol. 191; p. 185.
- Seaming machine, Tin-can-. A. Jenssen. No. 1,079,558; Nov. 25; Gaz. vol. 196; p. 891.
- Seaming machines, Seaming-head of double-. J. J. Griffin and G. M. Peacock. No. 1,065,800; June 24; Gaz. vol. 191; p. 998.
- Seaming mechanism, Blindstitch. W. Morrison. No. 1,071,452; Aug. 26; Gaz. vol. 193; p. 908.
- Search-light attachment for shotguns and the like. E. S. Ward. No. 1,080,795; Dec. 9; Gaz. vol. 197; p. 337.
- Search-light for umbrellas. A. J. Downey. No. 1,067,646; July 15; Gaz. vol. 192; p. 666.
- Search-light, Reflector. R. Straubel. No. 1,052,764; Feb. 11; Gaz. vol. 187; p. 345.
- Seasoning-machine. T. Dawson. No. 1,074,588; Sept. 30; Gaz. vol. 194; p. 1117.
- Seasoning material and making same. C. Ellis. No. 1,056,649; Mar. 18; Gaz. vol. 188; p. 745.
- Seat. *See* Adjustable seat; Automobile-seat; Boat-seat; Bracket-seat; Car-seat; Chair-seat; Chair reversible seat; Closet-seat; Cycle-seat; Cycle supplemental seat; Deck-seat; Door-seat; Folding seat; Go-cart jump-seat; Motor-cycle seat; School-seat; Sliding seat; Spring-seat; Swing-seat; Toilet-seat; Valve-seat; Vehicle-seat; Wagon-seat; Wall-seat; Water-closet seat.
- Seat. B. Kormendy. No. 1,050,550; Jan. 14; Gaz. vol. 186; p. 456.
- Seat. L. A. Miskell. No. 1,050,676; Jan. 14; Gaz. vol. 186; p. 495.
- Seat. E. E. Stephens. No. 1,058,270; Apr. 8; Gaz. vol. 189; p. 345.
- Seat and covering for beds, Adjustable combined. N. D. Bishop. No. 1,063,908; June 3; Gaz. vol. 191; p. 253.
- Seat attachment. H. H. Vosburgh. No. 1,059,791; Apr. 22; Gaz. vol. 189; p. 939.
- Seat attachment, Tandem-. J. W. Gates and O. P. Hobbs. No. 1,082,227; Dec. 23; Gaz. vol. 197; p. 883.
- Seat-back. H. G. Brott. No. 1,054,169; Feb. 25; Gaz. vol. 187; p. 907.
- Seat, chair, bunk, and the like. F. J. Gay. No. 1,073,415; Sept. 16; Gaz. vol. 194; p. 672.
- Seat clamp, Detachable-vehicle-. E. H. Kesselbuth. No. 1,061,752; May 13; Gaz. vol. 190; p. 444.
- Seat-cover. C. C. Faust and J. A. Joyner. No. 1,052,577; Feb. 11; Gaz. vol. 187; p. 282.
- Seat cover, Closet-. J. W. Young. No. 1,064,274; June 10; Gaz. vol. 191; p. 412.
- Seat-cover for railway-coaches, Sanitary. C. L. Dreher. No. 1,051,566; Jan. 28; Gaz. vol. 186; p. 869.
- Seat-covering, Sanitary. F. O. Peterson. No. 1,051,909; Feb. 4; Gaz. vol. 187; p. 21.
- Seat or stool. W. Groenendyke. No. 1,060,838; May 6; Gaz. vol. 190; p. 94.
- Seat-support. L. E. Waterman. No. 1,064,267; June 10; Gaz. vol. 191; p. 410.
- Seat support, Swinging-. W. B. Cogger. No. 1,050,518; Jan. 14; Gaz. vol. 186; p. 444.
- Seating. E. G. Budd. No. 1,067,238; July 15; Gaz. vol. 192; p. 527.
- Secondary battery. A. M. Sherer. No. 1,071,359; Aug. 26; Gaz. vol. 193; p. 878.
- Secondary battery, Electric. W. Morrison. No. 1,051,816; Jan. 28; Gaz. vol. 186; p. 950.
- Secondary or storage battery. E. G. Steinmetz and E. W. Smith. No. 1,051,645; Jan. 28; Gaz. vol. 186; p. 895.
- Secondary or storage battery. E. W. Smith. No. 1,054,801; Mar. 4; Gaz. vol. 188; p. 51.
- Secondary or storage battery. B. Ford. No. 1,068,640; July 29; Gaz. vol. 192; p. 1078.
- Secondary or storage battery. B. Ford. No. 1,068,641; July 29; Gaz. vol. 192; p. 1078.
- Section-liner. B. Silverston. No. 1,081,161; Dec. 9; Gaz. vol. 197; p. 458.
- Sectional boiler. M. A. Cook. No. 1,075,194; Oct. 7; Gaz. vol. 195; p. 209.
- Sectional boiler. J. B. Bernhard. No. 1,082,996; Dec. 30; Gaz. vol. 197; p. 1183.
- Sectional box. J. Keefe. No. 1,072,009; Sept. 2; Gaz. vol. 194; p. 117.
- Sectional case, Knockdown. O. B. Rowlette. No. 1,067,376; July 15; Gaz. vol. 192; p. 574.
- Sectional case, Knockdown. O. B. Rowlette. No. 1,080,784; Dec. 9; Gaz. vol. 197; p. 333.
- Sectional mold, Adjustable. F. W. Bull. No. 1,077,971; Nov. 11; Gaz. vol. 196; p. 282.
- Sectional tank. G. Sillman. No. 1,073,871; Sept. 23; Gaz. vol. 194; p. 850.
- Securing device. E. E. Norris. No. 1,064,527; June 10; Gaz. vol. 191; p. 499.
- Sediment-tester. T. L. Valerius and O. Larsen. No. 1,052,391; Feb. 4; Gaz. vol. 187; p. 186.
- Seed-cleaning machine. A. D. Kennedy. No. 1,075,480; Oct. 14; Gaz. vol. 195; p. 335.
- Seed-cleansing machine. B. Reeve. No. 1,051,635; Jan. 28; Gaz. vol. 186; p. 891.
- Seed-discharging mechanism. A. C. Lindgren. No. 1,064,842; June 17; Gaz. vol. 191; p. 640.
- Seed-drill. J. V. Avret. No. 1,065,201; June 17; Gaz. vol. 191; p. 756.
- Seed-drill double-disk attachment. O. G. Rieske. No. 1,050,172; Jan. 14; Gaz. vol. 186; p. 323.
- Seed-drills, Double-disk attachment for. O. G. Rieske. No. 1,076,998; Oct. 28; Gaz. vol. 195; p. 944.
- Seed-dropper. W. G. Johnson. No. 1,067,175; July 8; Gaz. vol. 192; p. 468.
- Seed-grains, Compound for protecting planted. L. E. Hanczewski. No. 1,081,445; Dec. 16; Gaz. vol. 197; p. 593.
- Seed huller, Cotton-. R. W. McLean. No. 1,079,657; Nov. 25; Gaz. vol. 196; p. 925.
- Seed-hulling machine. J. Davidson. No. 1,083,004; Dec. 30; Gaz. vol. 197; p. 1186.
- Seed linter, Cotton-. H. E. Sessions. No. 1,077,435; Nov. 4; Gaz. vol. 196; p. 69.
- Seed-rack. M. E. Reilly. No. 1,079,513; Nov. 25; Gaz. vol. 196; p. 875.
- Seed-separator. P. E. Long and W. L. Schwarz. No. 1,070,350; Aug. 12; Gaz. vol. 193; p. 462.
- Seed separator and planter, Cotton-. J. S. Holliday. No. 1,079,244; Nov. 18; Gaz. vol. 196; p. 753.
- Seed shaker-separator, Cotton-. R. W. McLean. No. 1,067,263; July 15; Gaz. vol. 192; p. 536.
- Seed-sprouter. H. Schultz. No. 1,063,742; June 3; Gaz. vol. 191; p. 198.
- Seed-tester. G. C. Kennedy. No. 1,053,753; Feb. 18; Gaz. vol. 187; p. 725.
- Seed-tester. J. M. Peeples. No. 1,057,877; Apr. 1; Gaz. vol. 189; p. 165.
- Seed-tester. E. C. Schmidt and A. U. Smith. No. 1,067,556; July 15; Gaz. vol. 192; p. 635.
- Seed-tester. W. Weaver. No. 1,074,826; Oct. 7; Gaz. vol. 195; p. 81.
- Seeds, Treating. B. H. and W. C. Adams. No. 1,062,682; May 27; Gaz. vol. 190; p. 836.
- Seeder. O. H. Reich. No. 1,055,226; Mar. 4; Gaz. vol. 188; p. 191.
- Seeder. E. J. Youngberg. No. 1,080,038; Dec. 2; Gaz. vol. 197; p. 42.
- Seeder and planter. M. T. Mallory. No. 1,082,430; Dec. 23; Gaz. vol. 197; p. 954.
- Seeder, Check-row. M. Molitor. No. 1,070,510; Aug. 19; Gaz. vol. 193; p. 561.
- Seeder, Fruit-. N. S. Griffith. No. 1,082,516; Dec. 30; Gaz. vol. 197; p. 1015.
- Seeder, Hand-. J. F. Rittenhouse. No. 1,058,103; Apr. 8; Gaz. vol. 189; p. 287.
- Seeding apparatus. W. Brückmann. No. 1,066,992; July 8; Gaz. vol. 192; p. 406.
- Seeding apparatus. A. T. Button and W. P. Widdifield. No. 1,081,720; Dec. 16; Gaz. vol. 197; p. 681.
- Seeding cylinder, Fruit-. N. B. Converse. No. 1,051,804; Jan. 28; Gaz. vol. 186; p. 946.
- Seeding device, Duplex. L. Willis. No. 1,049,960; Jan. 7; Gaz. vol. 186; p. 216.
- Seeding-drill, Gang. I. G. Wilcox. No. 1,067,956; July 22; Gaz. vol. 192; p. 802.
- Seeding-machine. S. H. Jones and E. Christman. No. 1,051,958; Feb. 4; Gaz. vol. 187; p. 39.
- Seeding-machine. F. E. Davis. No. 1,073,666; Sept. 23; Gaz. vol. 194; p. 781.
- Seeding-machine furrow-opener. F. Wheeler. No. 1,056,386; Mar. 18; Gaz. vol. 188; p. 651.
- Seedbox, Convertible. W. G. Johnson. No. 1,067,174; July 8; Gaz. vol. 192; p. 468.
- Seesaw. W. J. Donnenwerth. No. 1,060,590; May 6; Gaz. vol. 190; p. 9.
- Seine-pursing device. E. Curol. No. 1,070,232; Aug. 12; Gaz. vol. 193; p. 423.
- Seines, Guiding attachment for. N. Vukasovitch. No. 1,078,566; Nov. 11; Gaz. vol. 196; p. 486.
- Selecting apparatus. C. E. Scribner and A. H. Adams. No. 1,056,064; Mar. 18; Gaz. vol. 188; p. 544.
- Selective apparatus, Substation. O. B. Hjorth. No. 1,072,459; Sept. 9; Gaz. vol. 194; p. 297.
- Selective-control system. C. E. Scribner, J. L. McQuarrie, and E. B. Craft. No. 1,071,588; Aug. 26; Gaz. vol. 193; p. 952.
- Selective system. E. R. Carichoff. No. 1,057,035; Mar. 25; Gaz. vol. 188; p. 908.
- Selective system. E. R. Carichoff. (Reissue.) No. 13,572; June 10; Gaz. vol. 191; p. 558.
- Selector. H. O. Rugh. No. 1,049,537; Jan. 7; Gaz. vol. 186; p. 75.
- Selector mechanism. E. B. Craft and A. F. Dixon. No. 1,081,368; Dec. 16; Gaz. vol. 197; p. 567.
- Seleniferous and telluriferous substances, Preparation of. A. and E. von Wassermann. No. 1,061,889; May 13; Gaz. vol. 190; p. 485.
- Selenocyanids of the anthraquinone series. L. Gattermann. No. 1,065,441; June 24; Gaz. vol. 191; p. 877.

Alphabetical list of inventions—Continued.

- Self-cleaning drill. R. Binnie. No. 1,081,655; Dec. 16; Gaz. vol. 197; p. 660.
- Self-feeder. A. Rosenthal. No. 1,078,697; Nov. 18; Gaz. vol. 196; p. 564.
- Self-leveling table. C. A. Smith. No. 1,081,339; Dec. 16; Gaz. vol. 197; p. 557.
- Self-locking bolt. C. Ryan. No. 1,064,546; June 10; Gaz. vol. 191; p. 506.
- Self-lubricating wheel. F. G. Koehler. No. 1,074,876; Oct. 7; Gaz. vol. 195; p. 97.
- Self-measuring bin. J. W. Spurlock. No. 1,058,269; Apr. 8; Gaz. vol. 189; p. 345.
- Self-playing instrument. P. Duffy. No. 1,072,437; Sept. 9; Gaz. vol. 194; p. 290.
- Self-setting trap. C. W. King. No. 1,066,208; July 1; Gaz. vol. 192; p. 109.
- Semaphore. V. C. de Ybarrondo and F. D. Botiller. No. 1,058,212; Apr. 8; Gaz. vol. 189; p. 325.
- Semaphore-arms, Device for operating. L. E. Garnett. No. 1,058,742; Apr. 15; Gaz. vol. 189; p. 544.
- Semaphore mechanism, Electric. W. K. Howe. No. 1,056,992; Mar. 25; Gaz. vol. 188; p. 892.
- Semaphore-signal. L. A. Hawkins. No. 1,073,680; Sept. 23; Gaz. vol. 194; p. 786.
- Semaphore-signals, Lamp-bracket for. G. O. and C. A. Dickey. No. 1,063,782; June 3; Gaz. vol. 191; p. 212.
- Semiliquid-material-feeding apparatus. A. Schäffer and A. Schröder. No. 1,082,287; Dec. 23; Gaz. vol. 197; p. 906.
- Sender and telegraph-key, Combined automatic. D. I. Garretson. No. 1,059,988; Apr. 29; Gaz. vol. 189; p. 1047.
- Separable fastener. H. L. Beach and F. W. Babcock. No. 1,061,805; May 13; Gaz. vol. 190; p. 459.
- Separable key. M. W. Wiard. No. 1,074,075; Sept. 23; Gaz. vol. 194; p. 919.
- Separating apparatus. H. Parker. No. 1,069,169; Aug. 5; Gaz. vol. 193; p. 28.
- Separating device. G. J. Lange. No. 1,050,471; Jan. 14; Gaz. vol. 186; p. 428.
- Separating device. N. N. S. Daudelin. No. 1,074,931; Oct. 7; Gaz. vol. 195; p. 117.
- Separating floating matter from effluents, Apparatus for. R. Schilling. No. 1,057,174; Mar. 25; Gaz. vol. 188; p. 955.
- Separating ground material, particularly cocoa powder, Apparatus for. E. L. H. Bauermeister. No. 1,058,344; Apr. 8; Gaz. vol. 189; p. 371.
- Separating-machine. M. W. Tebyriçá. No. 1,061,141; May 6; Gaz. vol. 190; p. 199.
- Separating materials, Apparatus for magnetically. S. Brück. No. 1,056,318; Mar. 18; Gaz. vol. 188; p. 630.
- Separating materials of different specific gravity, Machinery for. P. J. Ogle. No. 1,050,991; Jan. 21; Gaz. vol. 186; p. 641.
- Separating mechanism. F. H. Mason and J. Allen. No. 1,080,467; Dec. 2; Gaz. vol. 197; p. 192.
- Separating solids from liquids, Apparatus for. H. E. Wetherbee. No. 1,069,048; July 29; Gaz. vol. 192; p. 1219.
- Separating-table and process of separation. H. M. Sutton, W. L. and E. G. Steele. No. 1,073,644; Sept. 23; Gaz. vol. 194; p. 772.
- Separation by the action of centrifugal force, Apparatus for. W. J. Gee. No. 1,065,519; June 24; Gaz. vol. 191; p. 902.
- Separation of comminuted materials, Process of and apparatus for progressive electrostatic. H. M. Sutton, W. L. and E. G. Steele. No. 1,073,645; Sept. 23; Gaz. vol. 194; p. 772.
- Separation of solids, Apparatus for gravity liquid. F. I. Du Pont. No. 1,067,410; July 15; Gaz. vol. 192; p. 586.
- Separation of substances by the wet magnetic process. G. Ullrich. No. 1,062,522; May 20; Gaz. vol. 190; p. 740.
- Separator. *See* Battery-separator; Battery-plate separator; Boiler sediment-separator; Cane-juice separator; Cash-register money-separator; Centrifugal separator; Coal-separator; Coin-separator; Cream-separator; Dust-separator; Egg-separator; Electrical separator; Electromagnetic separator; Fanning-mill separator; Gasoline-separator; Gold-separator; Grain-separator; Grain and seed separator; Gravity-separator; Liquid-separator; Magnetic separator; Mineral-separator; Oats-separator; Oil-separator; Ore-separator; Ore float-separator; Potato-separator; Pulp-separator; Seed-separator; Seed shaker-separator; Sheet-separator; Smoke-separator; Teeth-separator.
- Separator. C. Fredrickson. No. 1,050,730; Jan. 14; Gaz. vol. 186; p. 513.
- Separator. K. and A. Wärd. No. 1,052,777; Feb. 11; Gaz. vol. 187; p. 349.
- Separator. F. C. Nicholas. No. 1,053,855; Feb. 18; Gaz. vol. 187; p. 763.
- Separator. L. C. Dibert. No. 1,055,722; Mar. 11; Gaz. vol. 188; p. 394.
- Separator. I. Blount. No. 1,057,214; Mar. 25; Gaz. vol. 188; p. 969.
- Separator. M. Quenner. No. 1,059,068; Apr. 15; Gaz. vol. 189; p. 659.
- Separator. I. Blount. No. 1,063,322; June 3; Gaz. vol. 191; p. 51.
- Separator. R. Williams, C. B. Titus, and H. W. Lindemuth. No. 1,067,088; July 8; Gaz. vol. 192; p. 437.
- Separator. J. R. E. Sievers and R. P. Howard. No. 1,067,766; July 15; Gaz. vol. 192; p. 706.
- Separator. J. N. Wingett. No. 1,069,214; Aug. 5; Gaz. vol. 193; p. 44.
- Separator. W. D. Nash. No. 1,071,076; Aug. 26; Gaz. vol. 193; p. 783.
- Separator. J. W. Gamble. No. 1,080,511; Dec. 2; Gaz. vol. 197; p. 206.
- Separator. N. C. Westerfield. No. 1,081,282; Dec. 9; Gaz. vol. 197; p. 499.
- Separator. F. C. Morrow. No. 1,082,352; Dec. 23; Gaz. vol. 197; p. 929.
- Separator-disks, Machine for cleaning. J. Hansen. No. 1,077,067; Oct. 28; Gaz. vol. 195; p. 967.
- Separator-guard. A. W. Pitts. No. 1,075,063; Oct. 7; Gaz. vol. 195; p. 164.
- Separator leveling attachment. G. F. Schuett. No. 1,056,128; Mar. 18; Gaz. vol. 188; p. 567.
- Separator lubricator, Centrifugal-liquid. J. V. M. Risberg. No. 1,054,988; Mar. 4; Gaz. vol. 188; p. 114.
- Separator-screen cleaner. T. F. Morse. No. 1,074,970; Oct. 7; Gaz. vol. 195; p. 129.
- Separator-trap. E. C. Kelly, Jr. No. 1,069,789; Aug. 12; Gaz. vol. 193; p. 271.
- Septic tank. G. R. Payne and S. Moore. No. 1,058,458; Apr. 8; Gaz. vol. 189; p. 410.
- Sepulcher-cover. H. B. Weiper. No. 1,073,377; Sept. 16; Gaz. vol. 194; p. 659.
- Series multiple switch. H. R. Sargent. No. 1,062,801; May 27; Gaz. vol. 190; p. 875.
- Service-holder. O. J. Johnson. No. 1,052,590; Feb. 11; Gaz. vol. 187; p. 286.
- Serving-table. C. W. Saenger. No. 1,056,063; Mar. 18; Gaz. vol. 188; p. 544.
- Set-tub clothes-washing attachment. E. Cavender. No. 1,080,324; Dec. 2; Gaz. vol. 197; p. 142.
- Setting device. C. L. Mathews. No. 1,064,354; June 10; Gaz. vol. 191; p. 439.
- Setting-machine. E. B. Stimpson. No. 1,079,996; Dec. 2; Gaz. vol. 197; p. 26.
- Settling-cone. W. Main. No. 1,065,542; June 24; Gaz. vol. 191; p. 911.
- Settling-tank. K. Imhoff. No. 1,057,154; Mar. 25; Gaz. vol. 188; p. 949.
- Settling-tank. F. G. Sargent. No. 1,077,308; Nov. 4; Gaz. vol. 196; p. 23.
- Settling-tank and filter, Combined. D. C. Reinohl. No. 1,081,515; Dec. 16; Gaz. vol. 197; p. 617.
- Sewage, Apparatus for the purification and disposal of. D. A. Helmich. No. 1,057,642; Apr. 1; Gaz. vol. 189; p. 84.
- Sewage disposal. L. T. Leet. No. 1,079,569; Nov. 25; Gaz. vol. 196; p. 895.
- Sewage-disposal systems, Closure for. C. W. Russell. No. 1,051,519; Jan. 28; Gaz. vol. 186; p. 853.
- Sewage or sewage effluent upon the surfaces of filter-beds, Apparatus for distributing. S. J. S. Mills. No. 1,064,848; June 17; Gaz. vol. 191; p. 642.
- Sewage or the like, Purifying. W. O. Travis and E. Ault. No. 1,076,721; Oct. 28; Gaz. vol. 195; p. 846.
- Sewage purification. C. Imhoff. No. 1,053,396; Feb. 18; Gaz. vol. 187; p. 607.
- Sewage, Treating. A. Priestman. No. 1,080,926; Dec. 9; Gaz. vol. 197; p. 383.
- Sewage-vault for closets, Antiseptic. F. E. Wilson. No. 1,079,970; Dec. 2; Gaz. vol. 197; p. 17.
- Sewer-clean-out cover. B. B. Linskie. No. 1,073,150; Sept. 16; Gaz. vol. 194; p. 577.
- Sewer-cleaner. C. Schick. No. 1,065,174; June 17; Gaz. vol. 191; p. 747.
- Sewer-cleaner. H. Sieben and W. J. Stevenson. No. 1,065,735; June 24; Gaz. vol. 191; p. 976.
- Sewer cleaner and flusher. H. A. Goetz. No. 1,081,497; Dec. 16; Gaz. vol. 197; p. 610.
- Sewer-cleaning device. E. B. Culver. No. 1,081,488; Dec. 16; Gaz. vol. 197; p. 607.
- Sewer-trap. H. C. Williams. No. 1,081,354; Dec. 16; Gaz. vol. 197; p. 562.
- Sewers and the like, Lining for. S. Horner. No. 1,050,137; Jan. 14; Gaz. vol. 186; p. 311.
- Sewers, aqueducts, &c., Constructing. W. C. Flannery. No. 1,063,672; June 3; Gaz. vol. 191; p. 175.
- Sewed-article seam. J. Barnett. No. 1,081,197; Dec. 9; Gaz. vol. 197; p. 469.
- Sewed articles, Seam for. W. E. Bailey. No. 1,059,968; Apr. 29; Gaz. vol. 189; p. 1040.
- Sewed articles, Seam for. C. McNeil. No. 1,062,293; May 20; Gaz. vol. 190; p. 666.
- Sewed articles, Seam for. W. E. Bailey. No. 1,060,097; Aug. 5; Gaz. vol. 193; p. 3.
- Sewed articles, Seam for. F. Baker and L. Jacobs. No. 1,072,201; Sept. 2; Gaz. vol. 194; p. 182.
- Sewed articles, Seam for. W. B. Tyrrell. No. 1,074,580; Sept. 30; Gaz. vol. 194; p. 1115.

Alphabetical list of inventions—Continued.

- Sewing and other machines, Lighting attachment for. J. W. Love and G. C. Webster. No. 1,083,020; Dec. 30; Gaz. vol. 197; p. 1190.
- Sewing and trimming machine. J. P. Weis. No. 1,081,797; Dec. 16; Gaz. vol. 197; p. 708.
- Sewing and trimming machine. J. R. Moffatt. No. 1,082,281; Dec. 23; Gaz. vol. 197; p. 903.
- Sewing attachment, Button-. H. B. Johnston. No. 1,049,491; Jan. 7; Gaz. vol. 186; p. 58.
- Sewing-kit. G. Walters. No. 1,081,070; Dec. 9; Gaz. vol. 197; p. 427.
- Sewing knitted fabrics, Machine for. W. H. Zellers. No. 1,069,367; Aug. 5; Gaz. vol. 193; p. 98.
- Sewing linings to articles of clothing, Machine for. J. F. J. Lenier. No. 1,065,058; June 17; Gaz. vol. 191; p. 709.
- Sewing looped fabric, Machine for. E. O. Davis. No. 1,054,658; Feb. 25; Gaz. vol. 187; p. 1074.
- Sewing looped fabrics, Machine for. A. L. Traver. No. 1,054,724; Mar. 4; Gaz. vol. 188; p. 24.
- Sewing-machine. M. Schiller. No. 1,049,408; Jan. 7; Gaz. vol. 186; p. 31.
- Sewing-machine. J. R. Scott. No. 1,049,612; Jan. 7; Gaz. vol. 186; p. 101.
- Sewing-machine. W. C. Meyer. No. 1,050,558; Jan. 14; Gaz. vol. 186; p. 458.
- Sewing-machine. W. Arbetter. No. 1,050,595; Jan. 14; Gaz. vol. 186; p. 471.
- Sewing-machine. C. H. Dann and L. Duris. No. 1,051,313; Jan. 21; Gaz. vol. 186; p. 750.
- Sewing-machine. M. Druckerman. No. 1,051,315; Jan. 21; Gaz. vol. 186; p. 751.
- Sewing-machine. J. C. Ringe. No. 1,056,368; Mar. 18; Gaz. vol. 188; p. 646.
- Sewing-machine. H. H. Fefell. No. 1,056,522; Mar. 18; Gaz. vol. 188; p. 702.
- Sewing-machine. J. Berger. No. 1,060,526; Apr. 29; Gaz. vol. 189; p. 1233.
- Sewing-machine. W. A. Mack. No. 1,060,689; May 6; Gaz. vol. 190; p. 43.
- Sewing-machine. G. A. Kinder. No. 1,061,383; May 13; Gaz. vol. 190; p. 316.
- Sewing-machine. W. W. Singer. No. 1,061,413; May 13; Gaz. vol. 190; p. 326.
- Sewing-machine. W. C. Free. No. 1,062,389; May 20; Gaz. vol. 190; p. 698.
- Sewing-machine. H. J. Cox. No. 1,062,696; May 27; Gaz. vol. 190; p. 840.
- Sewing-machine. W. P. Gammons. No. 1,063,253; June 3; Gaz. vol. 191; p. 28.
- Sewing-machine. W. Grothe and J. O. Huffman. No. 1,063,677; June 3; Gaz. vol. 191; p. 177.
- Sewing-machine. W. A. Mack. No. 1,063,987; June 10; Gaz. vol. 191; p. 314.
- Sewing-machine. F. J. T. and H. C. Bell. No. 1,064,595; June 10; Gaz. vol. 191; p. 522.
- Sewing-machine. L. Onderdonk. No. 1,064,667; June 10; Gaz. vol. 191; p. 546.
- Sewing-machine. F. J. T. and H. C. Bell. No. 1,065,655; June 24; Gaz. vol. 191; p. 949.
- Sewing-machine. J. A. Groebli. No. 1,066,490; July 8; Gaz. vol. 192; p. 233.
- Sewing-machine. E. Koella. No. 1,068,434; July 29; Gaz. vol. 192; p. 1007.
- Sewing-machine. G. Keyser. No. 1,069,336; Aug. 5; Gaz. vol. 193; p. 86.
- Sewing-machine. G. E. Warren. No. 1,070,369; Aug. 12; Gaz. vol. 193; p. 471.
- Sewing-machine. M. F. Brogan. No. 1,071,026; Aug. 26; Gaz. vol. 193; p. 764.
- Sewing-machine. A. R. Schoenky. No. 1,071,355; Aug. 26; Gaz. vol. 193; p. 876.
- Sewing-machine. A. Eppler. No. 1,076,878; Oct. 28; Gaz. vol. 195; p. 901.
- Sewing-machine. J. R. Moffatt. No. 1,076,991; Oct. 28; Gaz. vol. 195; p. 941.
- Sewing-machine. F. W. Merrick. No. 1,077,625; Nov. 4; Gaz. vol. 196; p. 132.
- Sewing-machine. C. T. E. Gould. No. 1,079,406; Nov. 25; Gaz. vol. 196; p. 839.
- Sewing-machine. C. T. E. Gould. No. 1,079,485; Nov. 25; Gaz. vol. 196; p. 866.
- Sewing-machine. G. S. Hill. No. 1,080,342; Dec. 2; Gaz. vol. 197; p. 149.
- Sewing-machine. G. S. Hill. No. 1,080,343; Dec. 2; Gaz. vol. 197; p. 149.
- Sewing-machine. C. T. E. Gould. No. 1,080,549; Dec. 9; Gaz. vol. 197; p. 252.
- Sewing-machine. F. Ashworth. No. 1,080,877; Dec. 9; Gaz. vol. 197; p. 365.
- Sewing-machine. J. Hayes. No. 1,080,967; Dec. 9; Gaz. vol. 197; p. 397.
- Sewing-machine. F. N. La Chapelle. No. 1,081,390; Dec. 16; Gaz. vol. 197; p. 574.
- Sewing-machine. K. von Korytynski. No. 1,081,841; Dec. 16; Gaz. vol. 197; p. 725.
- Sewing-machine. R. Rasbach. No. 1,082,819; Dec. 30; Gaz. vol. 197; p. 1123.
- Sewing-machine attachment. D. E. Tela. No. 1,053,679; Feb. 18; Gaz. vol. 187; p. 704.
- Sewing-machine attachment. J. H. Chenoweth. No. 1,055,319; Mar. 11; Gaz. vol. 188; p. 259.
- Sewing-machine attachment. M. E. Smith. No. 1,068,537; July 29; Gaz. vol. 192; p. 1041.
- Sewing-machine attachment. W. A. Daley. No. 1,069,235; Aug. 5; Gaz. vol. 193; p. 53.
- Sewing-machine attachment. J. A. Poirier. No. 1,069,575; Aug. 5; Gaz. vol. 193; p. 167.
- Sewing-machine attachment. L. M. Starr. No. 1,071,365; Aug. 26; Gaz. vol. 193; p. 879.
- Sewing-machine attachment. L. Rosenman. No. 1,071,584; Aug. 26; Gaz. vol. 193; p. 951.
- Sewing-machine attachment. A. N. Oathout. No. 1,072,489; Sept. 9; Gaz. vol. 194; p. 307.
- Sewing-machine attachment, Button-. B. J. Gans. No. 1,062,328; May 20; Gaz. vol. 190; p. 678.
- Sewing-machine attachment-holder. H. M. Greist and E. J. Boyler. No. 1,051,402; Jan. 28; Gaz. vol. 186; p. 813.
- Sewing machine, Bead-. J. A. Groebli. No. 1,073,344; Sept. 16; Gaz. vol. 194; p. 648.
- Sewing-machine, Blindstitch. W. A. McCool. No. 1,054,657; Feb. 25; Gaz. vol. 187; p. 1074.
- Sewing-machine, Blindstitch. W. Arbetter. No. 1,059,966; Apr. 29; Gaz. vol. 189; p. 1039.
- Sewing-machine bobbin-case latch. W. A. Mack. No. 1,053,736; Feb. 18; Gaz. vol. 187; p. 726.
- Sewing machine, Book-. F. Kugler. No. 1,062,596; May 27; Gaz. vol. 190; p. 807.
- Sewing machine, Boot and shoe. A. Ward and A. S. Gent. No. 1,064,406; June 10; Gaz. vol. 191; p. 458.
- Sewing-machine braider or corder. H. M. Greist and E. J. Boyler. No. 1,075,414; Oct. 14; Gaz. vol. 195; p. 312.
- Sewing machine, Broom-. A. E. Miller. No. 1,062,546; May 20; Gaz. vol. 190; p. 747.
- Sewing machine, Broom-. C. E. Oyler and J. H. Parker. No. 1,071,332; Aug. 26; Gaz. vol. 193; p. 867.
- Sewing-machine buffer-brake, Motor-driven-. H. L. Pitman. No. 1,052,690; Feb. 11; Gaz. vol. 187; p. 321.
- Sewing-machine button-sewing attachment. R. A. Scranton. No. 1,059,642; Apr. 22; Gaz. vol. 189; p. 889.
- Sewing machine, Buttonhole-. J. Kiewicz. No. 1,062,475; May 20; Gaz. vol. 190; p. 725.
- Sewing machine, Buttonhole-. E. J. Ray. No. 1,063,729; June 3; Gaz. vol. 191; p. 194.
- Sewing machine, Buttonhole-. G. S. Hill. No. 1,063,795; June 3; Gaz. vol. 191; p. 216.
- Sewing machine, Buttonhole-. G. S. Hill. No. 1,063,880; June 3; Gaz. vol. 191; p. 242.
- Sewing machine, Buttonhole-. R. Arendt. No. 1,083,178; Dec. 30; Gaz. vol. 197; p. 1233.
- Sewing-machine buttonhole-working attachment. F. Spaulding. No. 1,080,729; Dec. 9; Gaz. vol. 197; p. 312.
- Sewing machine, Chain-stitch shoe-. E. A. Webster. No. 1,059,919; Apr. 22; Gaz. vol. 189; p. 979.
- Sewing-machine cloth-guide. R. D. Stocker. No. 1,063,842; June 3; Gaz. vol. 191; p. 231.
- Sewing-machine clutch mechanism. R. A. Scranton. No. 1,074,650; Oct. 7; Gaz. vol. 195; p. 22.
- Sewing machine, Collaret-. R. R. Hughes, Jr. No. 1,052,058; Feb. 4; Gaz. vol. 187; p. 74.
- Sewing machine, Convertible ruffling and collaret-. J. P. Weis. No. 1,069,363; Aug. 5; Gaz. vol. 193; p. 96.
- Sewing-machine cut-off attachment for tapes. F. S. Jennings. No. 1,070,137; Aug. 12; Gaz. vol. 193; p. 391.
- Sewing-machine cut-off attachment for tapes. F. S. Jennings. (Reissue.) No. 13,627; Oct. 14; Gaz. vol. 195; p. 517.
- Sewing-machine edge-guide and stitch-finger. R. G. Woodward. No. 1,071,598; Aug. 26; Gaz. vol. 193; p. 955.
- Sewing-machine feed mechanism. H. P. Richards. No. 1,054,715; Mar. 4; Gaz. vol. 188; p. 20.
- Sewing-machine feed mechanism. V. J. Van Horn. No. 1,060,799; May 6; Gaz. vol. 190; p. 80.
- Sewing-machine feeding mechanism. J. P. Weis. No. 1,055,584; Mar. 11; Gaz. vol. 188; p. 348.
- Sewing-machine feeding mechanism. W. H. Stedman. No. 1,071,108; Aug. 26; Gaz. vol. 193; p. 794.
- Sewing-machine feeding mechanism. W. H. Stedman. No. 1,071,818; Sept. 2; Gaz. vol. 194; p. 52.
- Sewing-machine feeding mechanism. J. M. Merrow. No. 1,074,968; Oct. 7; Gaz. vol. 195; p. 128.
- Sewing-machine feeding mechanism. L. Krug. No. 1,081,453; Dec. 16; Gaz. vol. 197; p. 595.
- Sewing-machine feeding mechanism, Hemstitch-. G. M. Eames and J. S. Finch. No. 1,049,567; Jan. 7; Gaz. vol. 186; p. 86.
- Sewing-machine finger-protector. M. Mashbir. No. 1,069,967; Aug. 12; Gaz. vol. 193; p. 331.
- Sewing-machine folder. J. Holtzmann. No. 1,049,583; Jan. 7; Gaz. vol. 186; p. 92.
- Sewing-machine foot-cushion. R. E. Daniel. No. 1,066,381; July 1; Gaz. vol. 192; p. 167.
- Sewing-machine for embroidering. D. Noble. No. 1,049,520; Jan. 7; Gaz. vol. 186; p. 67.
- Sewing-machine gage. S. J. Halliday. No. 1,062,908; May 27; Gaz. vol. 190; p. 911.
- Sewing-machine gage, Adjustable. D. E. Tela. No. 1,053,548; Feb. 18; Gaz. vol. 187; p. 660.

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- Sewing-machine gage, Button-. W. L. Barron. No. 1,069,033; July 29; Gaz. vol. 192; p. 1221.
- Sewing-machine, Glove-. C. H. Wilkes. No. 1,049,430; Jan. 7; Gaz. vol. 186; p. 38.
- Sewing-machine hemmer. J. Holtzmann. No. 1,073,757; Sept. 23; Gaz. vol. 194; p. 813.
- Sewing-machine, Inseam shoe-. W. C. Meyer. No. 1,059,380; Apr. 22; Gaz. vol. 189; p. 801.
- Sewing-machine, Lock-stitch. A. C. Chase. No. 1,076,951; Oct. 28; Gaz. vol. 195; p. 927.
- Sewing-machine looper mechanism. H. A. Ballard. No. 1,075,082; Oct. 7; Gaz. vol. 195; p. 170.
- Sewing-machine looper-operating mechanism. L. Onderdonk. No. 1,070,285; Aug. 12; Gaz. vol. 193; p. 441.
- Sewing-machine needle. C. W. Martin. No. 1,060,107; Apr. 29; Gaz. vol. 189; p. 1085.
- Sewing-machine needle-guard. A. Lavoie and C. Demers. No. 1,070,823; Aug. 19; Gaz. vol. 193; p. 665.
- Sewing-machine needle-guide. F. N. La Chapelle. No. 1,066,924; July 8; Gaz. vol. 192; p. 385.
- Sewing-machine needle-loop take-up. A. H. Weis. No. 1,061,645; May 13; Gaz. vol. 190; p. 408.
- Sewing-machine needle-setting means. J. Kiewicz. No. 1,072,472; Sept. 9; Gaz. vol. 194; p. 302.
- Sewing-machine needle-threading attachment. R. A. Scranton. No. 1,059,641; Apr. 22; Gaz. vol. 189; p. 889.
- Sewing-machine, Overseaming. C. F. Gray. No. 1,050,359; Jan. 14; Gaz. vol. 186; p. 387.
- Sewing-machine plate-gage. I. Levy. No. 1,061,090; May 6; Gaz. vol. 190; p. 181.
- Sewing-machine, Portable chain-stitch. L. Salter. No. 1,053,226; Feb. 18; Gaz. vol. 187; p. 548.
- Sewing-machine presser-foot. J. A. Laurent. No. 1,068,506; July 29; Gaz. vol. 192; p. 1031.
- Sewing-machine presser-foot. A. H. De Voe. No. 1,081,586; Dec. 16; Gaz. vol. 197; p. 638.
- Sewing-machine, Revolving-hook. C. Winkel. No. 1,049,791; Jan. 7; Gaz. vol. 186; p. 161.
- Sewing-machine shade. E. Koller. No. 1,074,273; Sept. 30; Gaz. vol. 194; p. 1014.
- Sewing-machine, Shoe-. J. R. Scott. No. 1,050,568; Jan. 14; Gaz. vol. 186; p. 461.
- Sewing-machine, Shoe-. G. L. Corcoran and G. A. Dobyne. No. 1,056,750; Mar. 18; Gaz. vol. 188; p. 781.
- Sewing-machine, Shoe-. F. E. Valois. No. 1,082,715; Dec. 30; Gaz. vol. 197; p. 1086.
- Sewing-machine shuttle. M. A. Ross. No. 1,075,860; Oct. 14; Gaz. vol. 195; p. 464.
- Sewing-machine stand. P. Diehl and M. Hemleb. No. 1,057,809; Apr. 1; Gaz. vol. 189; p. 142.
- Sewing-machine stop-motion mechanism. D. Noble. No. 1,058,326; Apr. 8; Gaz. vol. 189; p. 365.
- Sewing-machine table. J. J. Gedeon. No. 1,082,690; Dec. 30; Gaz. vol. 197; p. 1077.
- Sewing-machine take-up. J. C. Ringe. No. 1,058,905; Apr. 15; Gaz. vol. 189; p. 602.
- Sewing-machine take-up. R. G. Woodward. No. 1,064,186; June 10; Gaz. vol. 191; p. 383.
- Sewing-machine take-up. R. K. Hohmann. No. 1,073,489; Sept. 16; Gaz. vol. 194; p. 697.
- Sewing-machine take-up mechanism. W. A. Mack. No. 1,053,841; Feb. 18; Gaz. vol. 187; p. 758.
- Sewing-machine, Textile. F. H. Hodgkins. No. 1,052,481; Feb. 11; Gaz. vol. 187; p. 251.
- Sewing-machine thread-controller. A. H. De Voe. No. 1,060,540; Apr. 29; Gaz. vol. 189; p. 1238.
- Sewing-machine thread-controller. J. S. Finch. No. 1,081,596; Dec. 16; Gaz. vol. 197; p. 642.
- Sewing-machine thread-controlling device. R. G. Woodward. No. 1,067,293; July 15; Gaz. vol. 192; p. 547.
- Sewing-machine thread-controlling device. J. R. Moffatt and R. S. Kelso. No. 1,071,451; Aug. 26; Gaz. vol. 193; p. 908.
- Sewing-machine thread-controlling device. R. G. Woodward. No. 1,072,291; Sept. 2; Gaz. vol. 194; p. 209.
- Sewing-machine thread-controlling mechanism. A. Boyd. No. 1,053,271; Feb. 18; Gaz. vol. 187; p. 564.
- Sewing-machine thread-controlling mechanism. D. W. Corey. No. 1,075,695; Oct. 14; Gaz. vol. 195; p. 408.
- Sewing-machine thread pull-off. A. E. Johnson. No. 1,082,636; Dec. 30; Gaz. vol. 197; p. 1059.
- Sewing-machine threader. J. H. Girard. No. 1,072,601; Sept. 9; Gaz. vol. 194; p. 347.
- Sewing-machine throat-plate. J. R. Moffatt. No. 1,064,518; June 10; Gaz. vol. 191; p. 496.
- Sewing-machine trimming mechanism. J. P. Weis. No. 1,059,795; Apr. 22; Gaz. vol. 189; p. 940.
- Sewing-machine, Triple-seam. R. R. Hughes, Jr. No. 1,075,422; Oct. 14; Gaz. vol. 195; p. 315.
- Sewing-machine tuck-marker. P. Diehl. No. 1,079,329; Nov. 25; Gaz. vol. 196; p. 813.
- Sewing-machine tucker attachment. T. W. Richardson. No. 1,082,360; Dec. 23; Gaz. vol. 197; p. 932.
- Sewing-machine, Two-needle embroidery-. H. Drossner and A. Ort. No. 1,066,089; July 1; Gaz. vol. 192; p. 66.
- Sewing-machine, Welt-. C. P. Holmes. No. 1,071,050; Aug. 26; Gaz. vol. 193; p. 774.
- Sewing-machine, Welt-. F. H. Perry. No. 1,079,436; Nov. 25; Gaz. vol. 196; p. 848.
- Sewing-machines, Cloth-supporting attachment for. F. G. Wilcox. No. 1,069,212; Aug. 5; Gaz. vol. 193; p. 44.
- Sewing-machines, Heat-retaining means for waxed-thread. F. Gustavson. No. 1,070,338; Aug. 12; Gaz. vol. 193; p. 459.
- Sewing-machines, Holding means for attachments for. B. F. Curtis. No. 1,072,581; Sept. 9; Gaz. vol. 194; p. 341.
- Sewing-machines, Scallop-trimming device for. A. Ort. No. 1,074,452; Sept. 30; Gaz. vol. 194; p. 1073.
- Sewing-machines, Strip-cutting attachment for. J. Holtzmann. No. 1,065,941; July 1; Gaz. vol. 192; p. 12.
- Sewing-machines, Universal feeding mechanism for. D. Noble. No. 1,049,593; Jan. 7; Gaz. vol. 186; p. 95.
- Sewing-machines, Welt-guide for shoe-. A. Eppler. No. 1,070,122; Aug. 12; Gaz. vol. 193; p. 384.
- Sewing-machines, Welt-guide mechanism for welt-shoe-. A. Eppler. No. 1,076,201; Oct. 21; Gaz. vol. 195; p. 608.
- Sewing-machines with counting and registering mechanisms, Automatic locking device for. E. A. A. Sabard. No. 1,056,838; Mar. 25; Gaz. vol. 188; p. 838.
- Shackle, Chain-. T. Gibson. No. 1,066,202; July 1; Gaz. vol. 192; p. 106.
- Shackle, Resilient. H. G. Ahrweiler. No. 1,050,508; Jan. 14; Gaz. vol. 186; p. 441.
- Shade. G. A. Walker. No. 1,053,254; Feb. 18; Gaz. vol. 187; p. 559.
- Shade. J. E. Breglia. No. 1,057,323; Mar. 25; Gaz. vol. 188; p. 1004.
- Shade. P. J. Handel. No. 1,082,805; Dec. 30; Gaz. vol. 197; p. 1117.
- Shade adjuster, Window-. H. M. Schloss. No. 1,050,302; Jan. 14; Gaz. vol. 186; p. 367.
- Shade adjuster, Window-. W. B. Boyce. No. 1,073,323; Sept. 16; Gaz. vol. 194; p. 640.
- Shade adjuster, Window-. H. Oglesby. No. 1,076,905; Oct. 28; Gaz. vol. 195; p. 911.
- Shade and cornice, Combined window. W. Bambas. No. 1,066,362; July 1; Gaz. vol. 192; p. 161.
- Shade and curtain adjuster. R. A. Breitenfeld. No. 1,052,406; Feb. 4; Gaz. vol. 187; p. 191.
- Shade and curtain bracket. G. E. Cook. No. 1,062,819; May 27; Gaz. vol. 190; p. 880.
- Shade and curtain bracket, Combined window. M. H. Gleason. No. 1,054,914; Mar. 4; Gaz. vol. 188; p. 89.
- Shade and curtain bracket, Double. O. Dorn. No. 1,068,043; July 22; Gaz. vol. 192; p. 834.
- Shade and curtain hanger. C. Alphin. No. 1,062,968; May 20; Gaz. vol. 190; p. 555.
- Shade and curtain hanger. J. W. Awald. No. 1,074,035; Sept. 23; Gaz. vol. 194; p. 905.
- Shade and curtain hanger. J. N. Parrahm. No. 1,078,162; Nov. 11; Gaz. vol. 196; p. 347.
- Shade and curtain hanger, Adjustable. J. M. Carmean. No. 1,061,815; May 13; Gaz. vol. 190; p. 462.
- Shade and curtain hanger, Adjustable window. P. L. McClure. No. 1,059,890; Apr. 22; Gaz. vol. 189; p. 969.
- Shade and curtain hanger, Window. S. D. Welton. No. 1,072,889; Sept. 9; Gaz. vol. 194; p. 450.
- Shade and curtain-pole support. J. Neuberger and J. F. Hines. No. 1,074,973; Oct. 7; Gaz. vol. 195; p. 130.
- Shade and curtain-pole support, Window-. A. M. Erb. No. 1,058,022; Apr. 1; Gaz. vol. 189; p. 214.
- Shade and hood holder, Adjustable combined. C. G. Rush. No. 1,083,218; Dec. 30; Gaz. vol. 197; p. 1251.
- Shade-bracket. B. F. and G. W. Merwin. No. 1,058,451; Apr. 8; Gaz. vol. 189; p. 409.
- Shade-bracket. E. L. King. No. 1,072,739; Sept. 9; Gaz. vol. 194; p. 395.
- Shade-bracket. L. R. Donovan. No. 1,075,466; Oct. 14; Gaz. vol. 195; p. 331.
- Shade-bracket. W. H. Drake. No. 1,079,641; Nov. 25; Gaz. vol. 196; p. 919.
- Shade-bracket. I. M. Flanagan. No. 1,082,939; Dec. 30; Gaz. vol. 197; p. 1164.
- Shade bracket, Adjustable window-. J. R. Brown. No. 1,062,142; May 20; Gaz. vol. 190; p. 615.
- Shade bracket and curtain-pole support, Window-. J. W. Anderson. No. 1,061,800; May 13; Gaz. vol. 190; p. 458.
- Shade bracket, Window-. W. B. Caswell. No. 1,065,589; June 24; Gaz. vol. 191; p. 927.
- Shade bracket, Window-. L. G. Rifenberick. No. 1,067,196; July 8; Gaz. vol. 192; p. 476.
- Shade bracket, Window-. M. C. Combs. No. 1,071,883; Sept. 2; Gaz. vol. 194; p. 74.
- Shade bracket, Window-. A. L. Hennessy. No. 1,082,591; Dec. 30; Gaz. vol. 197; p. 1042.
- Shade bracket, Window-. E. Gibbons. No. 1,083,082; Dec. 30; Gaz. vol. 197; p. 1211.
- Shade carrier, Adjustable window-. W. J. Britting. No. 1,051,192; Jan. 21; Gaz. vol. 186; p. 709.
- Shade-carrier, Electric. J. H. Ormrod and W. J. Purdue. No. 1,067,752; July 15; Gaz. vol. 192; p. 701.
- Shade, Collapsible. M. E. Brady. No. 1,072,815; Sept. 9; Gaz. vol. 194; p. 422.

Alphabetical list of inventions—Continued.

- Shade-controlling device, Window-. E. E. Harris. No. 1,069,131; Aug. 5; Gaz. vol. 193; p. 14.
- Shade fastener, Window-. J. W. Thomas and M. A. Dimmitt. No. 1,070,207; Aug. 12; Gaz. vol. 193; p. 414.
- Shade fastener, Window-. J. M. Sorlie. No. 1,071,475; Aug. 26; Gaz. vol. 193; p. 915.
- Shade-fixture. L. W. Mealy. No. 1,054,131; Feb. 25; Gaz. vol. 187; p. 893.
- Shade-fixture. C. M. Byers. No. 1,073,389; Sept. 16; Gaz. vol. 194; p. 663.
- Shade fixture, Window-. S. and F. Nedbor. No. 1,057,357; Mar. 25; Gaz. vol. 188; p. 1015.
- Shade fixture, Window-. C. W. Hutchinson. No. 1,059,964; Apr. 22; Gaz. vol. 189; p. 995.
- Shade fixture, Window-. A. Danglo and L. Resch. No. 1,068,222; July 22; Gaz. vol. 192; p. 895.
- Shade fixture, Window-. H. W. Clough. No. 1,082,736; Dec. 30; Gaz. vol. 197; p. 1093.
- Shade-guides, Sanitary holder for. G. L. and F. L. Grier. No. 1,078,431; Nov. 11; Gaz. vol. 196; p. 443.
- Shade hanger, Adjustable window-. W. T. Valentine. No. 1,080,869; Dec. 9; Gaz. vol. 197; p. 363.
- Shade hanger, Window-. J. Petritsch. No. 1,068,394; July 22; Gaz. vol. 192; p. 954.
- Shade-holder. W. A. Stacey. No. 1,050,247; Jan. 14; Gaz. vol. 186; p. 348.
- Shade-holder. H. J. Morey. No. 1,050,284; Jan. 14; Gaz. vol. 186; p. 361.
- Shade-holder. K. J. Kornbau. No. 1,061,186; May 6; Gaz. vol. 190; p. 214.
- Shade-holder. G. W. Goodridge. No. 1,065,798; June 24; Gaz. vol. 191; p. 997.
- Shade-holder. R. S. Aspinwall. No. 1,077,384; Nov. 4; Gaz. vol. 196; p. 50.
- Shade-holder. A. C. Recker. No. 1,080,998; Dec. 9; Gaz. vol. 197; p. 406.
- Shade-holder. N. Krohn. No. 1,081,756; Dec. 16; Gaz. vol. 197; p. 694.
- Shade-holder. H. J. Morey. No. 1,082,604; Dec. 30; Gaz. vol. 197; p. 1047.
- Shade holder and curtain-pole support, Window-. I. C. Gray. No. 1,083,010; Dec. 30; Gaz. vol. 197; p. 1188.
- Shade holder, Heavy-. W. P. Cartwright. No. 1,076,626; Oct. 21; Gaz. vol. 195; p. 760.
- Shade holder, Window-. E. De Clercq. No. 1,060,433; Apr. 29; Gaz. vol. 189; p. 1202.
- Shade holder, Window-. A. L. Sheffield. No. 1,065,178; June 17; Gaz. vol. 191; p. 748.
- Shade-making machine, Window-. B. W. Tucker. No. 1,070,640; Aug. 19; Gaz. vol. 193; p. 604.
- Shade or globe holder. F. S. Hubbard and A. P. Hirschfeld. No. 1,056,682; Mar. 18; Gaz. vol. 188; p. 755.
- Shade or globe holder. A. W. Wellington. No. 1,070,644; Aug. 19; Gaz. vol. 193; p. 605.
- Shade-pull. J. L. Lake. No. 1,070,043; Aug. 12; Gaz. vol. 193; p. 358.
- Shade-roll-operating device. J. L. Sinclair. No. 1,053,658; Feb. 18; Gaz. vol. 187; p. 697.
- Shade-roller. J. V. Washburne. No. 1,053,460; Feb. 18; Gaz. vol. 187; p. 629.
- Shade-roller. G. R. Grigg. No. 1,054,535; Feb. 25; Gaz. vol. 187; p. 1032.
- Shade-roller. A. Olson. No. 1,057,493; Apr. 1; Gaz. vol. 189; p. 33.
- Shade-roller. J. C. Lewis and I. Knoch. No. 1,058,310; Apr. 8; Gaz. vol. 189; p. 358.
- Shade roller, Adjustable window-. A. B. Hamel. No. 1,069,006; July 29; Gaz. vol. 192; p. 1204.
- Shade-roller adjuster. J. C. Eberle. No. 1,078,725; Nov. 18; Gaz. vol. 196; p. 575.
- Shade-roller and curtain-pole bracket, Adjustable. R. A. Kottkay. No. 1,070,042; Aug. 12; Gaz. vol. 193; p. 357.
- Shade-roller and curtain-pole bracket, Combination. H. B. Thomas. No. 1,073,372; Sept. 16; Gaz. vol. 194; p. 657.
- Shade-roller and curtain-pole fixture. B. M. Jacquin. No. 1,056,180; Mar. 18; Gaz. vol. 188; p. 584.
- Shade-roller and curtain-pole support, Combined. G. E. Alphin. No. 1,075,182; Oct. 7; Gaz. vol. 195; p. 204.
- Shade-roller and curtain-rod, Curved. I. F. Hurlbut. No. 1,071,158; Aug. 26; Gaz. vol. 193; p. 809.
- Shade-roller and the like. D. Hoyt. No. 1,049,485; Jan. 7; Gaz. vol. 186; p. 56.
- Shade-roller appliance. J. A. Gasse. No. 1,052,049; Feb. 4; Gaz. vol. 187; p. 71.
- Shade-roller, Automatic. M. T. Whitney. No. 1,057,603; Apr. 1; Gaz. vol. 189; p. 71.
- Shade-roller bracket. E. Abbott. No. 1,051,476; Jan. 28; Gaz. vol. 186; p. 838.
- Shade-roller bracket. M. A. Stewart. No. 1,070,746; Aug. 19; Gaz. vol. 193; p. 641.
- Shade-roller bracket, Adjustable. C. C. Brown. No. 1,052,563; Feb. 11; Gaz. vol. 187; p. 277.
- Shade-roller bracket, Vertically-sliding. A. Rose. No. 1,054,316; Feb. 25; Gaz. vol. 187; p. 956.
- Shade-roller bracket, Window-. H. Ellsworth. No. 1,051,717; Jan. 28; Gaz. vol. 186; p. 919.
- Shade-roller, Self-adjusting. A. Rose. No. 1,078,466; Nov. 11; Gaz. vol. 196; p. 454.
- Shade-roller, Spring. C. L. Hopkins. No. 1,068,054; July 22; Gaz. vol. 192; p. 837.
- Shade-roller, Spring. H. E. Hawes. No. 1,069,613; Aug. 5; Gaz. vol. 193; p. 180.
- Shade-roller stop. G. R. Grigg. No. 1,053,806; Feb. 18; Gaz. vol. 187; p. 747.
- Shade-roller support. W. Cockcroft. No. 1,054,506; Feb. 25; Gaz. vol. 187; p. 1024.
- Shade roller, Window-. T. M. Sr. and T. M. Anderson, Jr. No. 1,067,708; July 15; Gaz. vol. 192; p. 687.
- Shade roller, Window-. E. F. Schindler. No. 1,069,584; Aug. 5; Gaz. vol. 193; p. 170.
- Shade-rollers, Device for winding springs of. L. Ferry. No. 1,068,754; July 29; Gaz. vol. 192; p. 1117.
- Shade-screen. E. H. Lunken. No. 1,056,108; Mar. 18; Gaz. vol. 188; p. 560.
- Shade stop and protector. W. F. Holsteen. No. 1,071,318; Aug. 26; Gaz. vol. 193; p. 864.
- Shade-support. A. B. Smith. No. 1,073,000; Sept. 9; Gaz. vol. 194; p. 491.
- Shade support, Window-. F. W. Hagemeyer. No. 1,079,940; Dec. 2; Gaz. vol. 197; p. 6.
- Shade-supporting device. B. J. Jacoway. No. 1,050,659; Jan. 14; Gaz. vol. 186; p. 490.
- Shade, Tackless window-. M. L. Sobra. No. 1,073,447; Sept. 16; Gaz. vol. 194; p. 683.
- Shade, Window-. E. E. Carlson. No. 1,061,728; May 13; Gaz. vol. 190; p. 437.
- Shade, Window-. R. J. Schanwecker. No. 1,064,548; June 10; Gaz. vol. 191; p. 507.
- Shade, Window-. J. Ready. No. 1,065,723; June 24; Gaz. vol. 191; p. 972.
- Shade, Window-. I. Nielsen. No. 1,080,844; Dec. 9; Gaz. vol. 197; p. 355.
- Shades and lace curtains, Extension-support for window-. C. Akers. No. 1,059,258; Apr. 15; Gaz. vol. 189; p. 724.
- Shades, reflectors, and the like, Holder for. M. P. Stevens. No. 1,076,463; Oct. 21; Gaz. vol. 195; p. 701.
- Shades to rollers, Clip for securing. E. F. Hartshorn. No. 1,059,990; Apr. 29; Gaz. vol. 189; p. 1048.
- Shaft, Adjustable. A. M. Kuhl. No. 1,079,865; Nov. 25; Gaz. vol. 196; p. 999.
- Shaft and tongue releasing attachment for vehicles. P. B. Stevens. No. 1,051,973; Feb. 4; Gaz. vol. 187; p. 44.
- Shaft, Apparatus for measuring the axial thrust acting upon a. P. Wagner. No. 1,063,625; June 3; Gaz. vol. 191; p. 157.
- Shaft attachment. J. T. Jones. No. 1,078,731; Nov. 18; Gaz. vol. 196; p. 577.
- Shaft-bearing and lubricator therefor. A. Brochu. No. 1,070,109; Aug. 12; Gaz. vol. 193; p. 380.
- Shaft-boxing. C. Thomas. No. 1,082,293; Dec. 23; Gaz. vol. 197; p. 908.
- Shaft-brace. W. L. Daughtry. No. 1,073,476; Sept. 16; Gaz. vol. 194; p. 694.
- Shaft brace, Buggy-. J. H. Brunken. No. 1,074,045; Sept. 23; Gaz. vol. 194; p. 909.
- Shaft-brake or friction device. F. A. Read. No. 1,081,988; Dec. 23; Gaz. vol. 197; p. 801.
- Shaft-connector. G. A. Briggs. No. 1,057,928; Apr. 1; Gaz. vol. 189; p. 182.
- Shaft-coupling. F. H. Cathcart. No. 1,055,606; Mar. 11; Gaz. vol. 188; p. 355.
- Shaft-coupling. J. C. De Laney. No. 1,056,889; Mar. 25; Gaz. vol. 188; p. 857.
- Shaft-coupling. C. T. Spurgeon. No. 1,058,482; Apr. 8; Gaz. vol. 189; p. 418.
- Shaft-coupling, Flexible. C. V. Kerr. No. 1,073,690; Sept. 23; Gaz. vol. 194; p. 789.
- Shaft-detacher, Vehicle. J. L. Garver. No. 1,075,821; Oct. 14; Gaz. vol. 195; p. 450.
- Shaft, Flexible. E. C. Oliver. No. 1,069,283; Aug. 5; Gaz. vol. 193; p. 68.
- Shaft flexible coupling. G. V. Curtis. No. 1,070,233; Aug. 12; Gaz. vol. 193; p. 423.
- Shaft-governor. E. Schweter. No. 1,082,242; Dec. 23; Gaz. vol. 197; p. 889.
- Shaft-hanger. J. W. Walters. No. 1,067,892; July 22; Gaz. vol. 192; p. 782.
- Shaft head, Center-. W. A. Greaves. No. 1,063,790; June 3; Gaz. vol. 191; p. 215.
- Shaft-holder. T. V. Williams. No. 1,050,413; Jan. 14; Gaz. vol. 186; p. 406.
- Shaft holder, Wagon-. A. C. Hixon. No. 1,064,483; June 10; Gaz. vol. 191; p. 486.
- Shaft-mounting for centrifugal machines. M. L. Hoyt. No. 1,056,544; Mar. 18; Gaz. vol. 188; p. 710.
- Shaft or pole detacher. J. D. Bukacek and L. Stok. No. 1,049,664; Jan. 7; Gaz. vol. 186; p. 119.
- Shaft-revolution-indicator system. J. J. Crain. No. 1,068,111; July 22; Gaz. vol. 192; p. 855.
- Shaft-support. W. L. Watterson. No. 1,080,031; Dec. 2; Gaz. vol. 197; p. 40.
- Shaft-support and antirattler, Combination. P. S. O'Toole. No. 1,054,137; Feb. 25; Gaz. vol. 187; p. 896.
- Shaft support, Buggy-. B. M. Perdue. No. 1,050,687; Jan. 14; Gaz. vol. 186; p. 498.
- Shaft, Vehicle-. O. Jahn. No. 1,079,858; Nov. 25; Gaz. vol. 196; p. 997.

Alphabetical list of inventions—Continued.

- Shafts, Apparatus for measuring the thrust or pull on. P. Wagner. No. 1,063,626; June 3; Gaz. vol. 191; p. 158.
- Shafts, Machine for turning multiple-diameter. F. K. Hendrickson. No. 1,050,828; Jan. 21; Gaz. vol. 186; p. 582.
- Shafts, poles, and the like, Tip for vehicle. A. Woeber. No. 1,061,436; May 13; Gaz. vol. 190; p. 334.
- Shafting-grinding machine. H. W. Snyder. No. 1,082,451; Dec. 23; Gaz. vol. 197; p. 960.
- Snake-ball. N. Jensen. No. 1,050,835; Jan. 21; Gaz. vol. 186; p. 585.
- Shaker for chocolate and the like. J. Knight. No. 1,079,563; Nov. 25; Gaz. vol. 196; p. 893.
- Shaker-picker. F. H. Emery. No. 1,066,094; July 1; Gaz. vol. 192; p. 67.
- Shaper. R. S. La Rue. No. 1,069,439; Aug. 5; Gaz. vol. 193; p. 123.
- Shaper-table support. H. E. Morton. No. 1,063,934; June 3; Gaz. vol. 191; p. 262.
- Shaping-machine. E. B. Sellow. No. 1,067,882; July 22; Gaz. vol. 192; p. 779.
- Sharpener, Coal-bit. A. T. Upton. No. 1,061,149; May 6; Gaz. vol. 190; p. 202.
- Sharpener, Cutlery-. T. M. Klusewitz. No. 1,075,110; Oct. 7; Gaz. vol. 195; p. 179.
- Sharpener, Disk-. G. W. Trone. No. 1,069,499; Aug. 5; Gaz. vol. 193; p. 143.
- Sharpener, Disk-harrow. H. Lammon. No. 1,079,867; Nov. 25; Gaz. vol. 196; p. 1000.
- Sharpener for lawn-mowers. C. D. Lichtenstein. No. 1,070,900; Aug. 19; Gaz. vol. 193; p. 689.
- Sharpener for lawn-mowers. N. Speck. No. 1,076,919; Oct. 28; Gaz. vol. 195; p. 916.
- Sharpener, Gin-saw. J. Rice. No. 1,076,996; Oct. 28; Gaz. vol. 195; p. 943.
- Sharpener, Knife-. P. J. Haas. No. 1,055,739; Mar. 11; Gaz. vol. 188; p. 399.
- Sharpener, Knife-. W. E. Schwartz. No. 1,059,491; Apr. 22; Gaz. vol. 189; p. 842.
- Sharpener, Knife-. G. C. Vollmer. No. 1,061,708; May 13; Gaz. vol. 190; p. 431.
- Sharpener, Knife-. S. W. Hale. No. 1,069,612; Aug. 5; Gaz. vol. 193; p. 180.
- Sharpener, Knife-. R. J. Dearborn. No. 1,069,768; Aug. 12; Gaz. vol. 193; p. 264.
- Sharpener, Knife-. G. G. Ross. No. 1,074,295; Sept. 30; Gaz. vol. 194; p. 1021.
- Sharpener, Knife-. J. H. Abbott. No. 1,077,249; Nov. 4; Gaz. vol. 196; p. 3.
- Sharpener, Lawn-mower. H. F. Cook and M. J. Vedoig. No. 1,069,392; Aug. 5; Gaz. vol. 193; p. 107.
- Sharpener, Lawn-mower. C. E. Ring. No. 1,071,580; Aug. 26; Gaz. vol. 193; p. 950.
- Sharpener, Lawn-mower. M. Johansen. No. 1,074,180; Sept. 30; Gaz. vol. 194; p. 983.
- Sharpener, Plowshare-. C. E. Hoff and J. V. Fielder. No. 1,064,144; June 10; Gaz. vol. 191; p. 369.
- Sharpener, Razor-. C. Alter. No. 1,060,657; May 6; Gaz. vol. 190; p. 31.
- Sharpener, Razor-. S. Honig. No. 1,077,934; Nov. 4; Gaz. vol. 196; p. 238.
- Sharpener, Saw-. R. R. Maxwell. No. 1,072,967; Sept. 9; Gaz. vol. 194; p. 478.
- Sharpener, Scissors-. T. F. Buck. No. 1,075,690; Oct. 14; Gaz. vol. 195; p. 407.
- Sharpener, shaper, and gager, Drill. J. C. Thoen. No. 1,056,856; Mar. 25; Gaz. vol. 188; p. 844.
- Sharpeners, Carriage-return mechanism for gang-saw. J. P. Hedstrom. No. 1,060,758; May 6; Gaz. vol. 190; p. 66.
- Sharpening and gaging machine, Tool. E. Rorive. No. 1,082,823; Dec. 30; Gaz. vol. 197; p. 1124.
- Sharpening apparatus, Blade-. C. E. A. Gronbech. No. 1,069,329; Aug. 5; Gaz. vol. 193; p. 84.
- Sharpening attachment for grinding-machines, Drill-. A. G. Rodgers. No. 1,052,968; Feb. 11; Gaz. vol. 187; p. 417.
- Sharpening attachment for wood-pulp grinders. A. Curtis. No. 1,070,328; Aug. 12; Gaz. vol. 193; p. 456.
- Sharpening corrugated metal fasteners, Machine for. J. J. Englert. No. 1,052,657; Feb. 11; Gaz. vol. 187; p. 310.
- Sharpening cutting instruments, Machine for. M. S. Weaver. No. 1,076,801; Oct. 28; Gaz. vol. 195; p. 873.
- Sharpening device. J. W. Crabill. No. 1,052,130; Feb. 4; Gaz. vol. 187; p. 99.
- Sharpening device. D. M. Caro. No. 1,066,994; July 8; Gaz. vol. 192; p. 407.
- Sharpening device. F. Varga. No. 1,081,796; Dec. 16; Gaz. vol. 197; p. 708.
- Sharpening device, Blade-. L. J. Odell. No. 1,051,818; Jan. 28; Gaz. vol. 186; p. 951.
- Sharpening device for knives of meat-slicing machines. H. Stukart. No. 1,051,646; Jan. 28; Gaz. vol. 186; p. 895.
- Sharpening device for rotary cutters. A. R. Luschka. No. 1,060,916; May 6; Gaz. vol. 190; p. 122.
- Sharpening device for slicing-machines. W. B. Wolff. No. 1,063,098; May 27; Gaz. vol. 190; p. 973.
- Sharpening device, Lawn-mower-. J. Windle. No. 1,071,195; Aug. 26; Gaz. vol. 193; p. 821.
- Sharpening device, Lawn-mower-. J. P. Edwards. No. 1,073,412; Sept. 16; Gaz. vol. 194; p. 671.
- Sharpening machine, Automatic saw-. E. S. Berry. No. 1,049,980; Jan. 7; Gaz. vol. 186; p. 223.
- Sharpening machine, Drill-. J. G. Leyner. No. 1,078,294; Nov. 11; Gaz. vol. 196; p. 394.
- Sharpening machine or tool, Saw-. H. R. Roberts. No. 1,074,464; Sept. 30; Gaz. vol. 194; p. 1078.
- Sharpening machine, Razor-. L. J. Odell. No. 1,051,817; Jan. 28; Gaz. vol. 186; p. 951.
- Sharpening machine, Razor-. J. Persault and T. Marquis. No. 1,082,904; Dec. 30; Gaz. vol. 197; p. 1153.
- Sharpening members to body members, Attaching. F. C. Ross. No. 1,049,605; Jan. 7; Gaz. vol. 186; p. 99.
- Sharpening razor-blades, Machine for. J. A. Cardinell. No. 1,064,885; June 17; Gaz. vol. 191; p. 654.
- Sharpening safety-razor blades, Machine for. H. Hermelin. No. 1,073,123; Sept. 16; Gaz. vol. 194; p. 568.
- Sharpening scissors, shears, and the like, Appliance for. H. C. E. Jacoby. No. 1,051,333; Jan. 21; Gaz. vol. 186; p. 756.
- Sharpening the rotary circular knives of meat-slicing machines, Device for. P. C. de Groot. No. 1,051,734; Jan. 28; Gaz. vol. 186; p. 924.
- Sharpening the rotary circular knives of meat-slicing machines, Device for. W. A. Van Berkel. No. 1,057,597; Apr. 1; Gaz. vol. 189; p. 68.
- Shaving-cup, Sanitary. E. O. Blanchard. No. 1,063,644; June 3; Gaz. vol. 191; p. 165.
- Shaving device. F. C. Sauer. No. 1,054,451; Feb. 25; Gaz. vol. 187; p. 1004.
- Shaving-mug. R. Genovese. No. 1,049,353; Jan. 7; Gaz. vol. 186; p. 12.
- Shaving-mug, Sanitary. J. B. Rudolph. No. 1,072,994; Sept. 9; Gaz. vol. 194; p. 488.
- Shaving-mug support or bracket. T. J. Butler. No. 1,064,192; June 10; Gaz. vol. 191; p. 385.
- Shaving-mug, Traveler's. H. E. Biggins. No. 1,053,559; Feb. 18; Gaz. vol. 187; p. 664.
- Sheaf-loader. A. McLeod. No. 1,077,888; Nov. 4; Gaz. vol. 196; p. 222.
- Sheaf-loader. H. H. Davison. No. 1,078,132; Nov. 11; Gaz. vol. 196; p. 337.
- Sheaf loader and unloader. J. H. Hauser. No. 1,058,696; Apr. 15; Gaz. vol. 189; p. 624.
- Shear-gage. N. F. Anderson. No. 1,049,326; Jan. 7; Gaz. vol. 186; p. 3.
- Shears. See Animal-shears; Foot bench-shears; Heading-shears; Metal-shears; Metal-cutting shears; Pruning-shears; Toe-calk shears.
- Shears. G. W. Goudey. No. 1,059,864; Apr. 22; Gaz. vol. 189; p. 961.
- Shears. J. Farrington. No. 1,076,667; Oct. 28; Gaz. vol. 195; p. 826.
- Shears. O. B. Lintner. No. 1,081,974; Dec. 23; Gaz. vol. 197; p. 797.
- Shears. C. F. Zimmerman. No. 1,082,385; Dec. 23; Gaz. vol. 197; p. 939.
- Shears-holder device. W. C. Tomlinson. No. 1,054,370; Feb. 25; Gaz. vol. 187; p. 976.
- Shears or scissors. S. B. Seifres. No. 1,052,976; Feb. 11; Gaz. vol. 187; p. 419.
- Shears, Pivot for. J. W. Folger. No. 1,074,852; Oct. 7; Gaz. vol. 195; p. 89.
- Shearing device. W. H. Pond. No. 1,064,929; June 17; Gaz. vol. 191; p. 667.
- Shearing-machine. J. R. George. No. 1,049,846; Jan. 7; Gaz. vol. 186; p. 180.
- Sheave-block. H. Wilson. No. 1,050,896; Jan. 21; Gaz. vol. 186; p. 607.
- Sheave-block. E. Ludford, Jr. No. 1,067,044; July 8; Gaz. vol. 192; p. 423.
- Sheave block, Double-. G. W. Floyd. No. 1,077,268; Nov. 4; Gaz. vol. 196; p. 9.
- Shedding-motion, Pattern-controlled. W. Simmchen. No. 1,064,556; June 10; Gaz. vol. 191; p. 509.
- Sheet-adjusting apparatus. J. Carruthers. No. 1,055,257; Mar. 4; Gaz. vol. 188; p. 201.
- Sheet and making the same, Thin leaflike. C. J. Healy. No. 1,051,953; Feb. 4; Gaz. vol. 187; p. 37.
- Sheet-assorting mechanism. G. Spiess. No. 1,071,272; Aug. 26; Gaz. vol. 193; p. 848.
- Sheet-conveying machine. B. Levi. No. 1,052,007; Feb. 4; Gaz. vol. 187; p. 56.
- Sheet-delivering mechanism. W. J. Main. No. 1,050,842; Jan. 21; Gaz. vol. 186; p. 587.
- Sheet delivery and stacker. G. Ackerman. No. 1,078,569; Nov. 11; Gaz. vol. 196; p. 487.
- Sheet-delivery apparatus. C. Henderson. No. 1,078,351; Nov. 11; Gaz. vol. 196; p. 415.
- Sheet-delivery mechanism. H. A. W. Wood. No. 1,049,435; Jan. 7; Gaz. vol. 186; p. 40.
- Sheet-delivery feed. I. J. and G. S. Witham, Sr. No. 1,077,923; Nov. 4; Gaz. vol. 196; p. 234.
- Sheet-delivery mechanism. E. P. Sheldon. No. 1,050,857; Jan. 21; Gaz. vol. 186; p. 593.
- Sheet-delivery mechanism. W. J. Main. No. 1,068,597; July 29; Gaz. vol. 192; p. 1063.
- Sheet-delivery mechanism. J. White. No. 1,080,036; Dec. 2; Gaz. vol. 197; p. 41.

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- Sheet-feeders, Trip mechanism for. R. B. McLaughlin. No. 1,077,889; Nov. 4; Gaz. vol. 196; p. 222.
- Sheet-feeding apparatus. A. B. Dick. No. 1,054,637; Feb. 25; Gaz. vol. 187; p. 1067.
- Sheet-feeding apparatus. E. J. Brasseur. No. 1,071,690; Sept. 2; Gaz. vol. 194; p. 6.
- Sheet-feeding device. H. Y. Armstrong. No. 1,061,584; May 13; Gaz. vol. 190; p. 388.
- Sheet-feeding device. H. Y. Armstrong. No. 1,061,585; May 13; Gaz. vol. 190; p. 388.
- Sheet-feeding device. E. Koerner. No. 1,071,928; Sept. 2; Gaz. vol. 194; p. 90.
- Sheet-feeding device. E. Koerner. No. 1,072,397; Sept. 2; Gaz. vol. 194; p. 247.
- Sheet-feeding guides, Driving mechanism for movable. G. Spiess. No. 1,082,613; Dec. 30; Gaz. vol. 197; p. 1050.
- Sheet-feeding machine. B. R. Stickney. No. 1,074,221; Sept. 30; Gaz. vol. 194; p. 997.
- Sheet-feeding mechanism. H. De Smith. No. 1,055,719; Mar. 11; Gaz. vol. 188; p. 393.
- Sheet-feeding mechanism. W. S. Amidon. No. 1,058,706; Apr. 15; Gaz. vol. 189; p. 531.
- Sheet-feeding mechanism. F. D. Randolph. No. 1,066,528; July 8; Gaz. vol. 192; p. 247.
- Sheet-feeding mechanism. J. F. Goodridge. No. 1,072,846; Sept. 9; Gaz. vol. 194; p. 433.
- Sheet-feeding mechanism. R. A. Freeman. No. 1,072,937; Sept. 9; Gaz. vol. 194; p. 467.
- Sheet-folding machine, Metal-. E. M. and J. F. Maxwell. No. 1,078,740; Nov. 18; Gaz. vol. 196; p. 579.
- Sheet-gripper mechanism. J. White. No. 1,050,191; Jan. 14; Gaz. vol. 186; p. 329.
- Sheet holder, Loose-. J. C. Hedges. No. 1,049,479; Jan. 7; Gaz. vol. 186; p. 54.
- Sheet material, Machine for cutting and creasing. C. N. Colpitts. No. 1,079,542; Nov. 25; Gaz. vol. 196; p. 885.
- Sheet material, Machine for operating on. A. Calleson. No. 1,080,047; Dec. 2; Gaz. vol. 197; p. 45.
- Sheet metal, Apparatus for bending wired. C. H. Stephenson and G. R. Peare. No. 1,073,077; Sept. 9; Gaz. vol. 194; p. 517.
- Sheet metal, Bending and drawing. N. A. Robertson. No. 1,078,958; Nov. 18; Gaz. vol. 196; p. 653.
- Sheet-metal bending and drawing apparatus. N. A. Robertson. No. 1,078,959; Nov. 18; Gaz. vol. 196; p. 653.
- Sheet-metal-bending machine. F. Loy. No. 1,062,244; May 20; Gaz. vol. 190; p. 649.
- Sheet-metal bodies, Machine for bulging cylindrical. C. A. Hufford. No. 1,067,115; July 8; Gaz. vol. 192; p. 448.
- Sheet-metal box. F. Westerbeck. No. 1,054,326; Feb. 25; Gaz. vol. 187; p. 960.
- Sheet-metal box. E. W. Carnes. No. 1,072,820; Sept. 9; Gaz. vol. 194; p. 423.
- Sheet-metal box. E. Norton. No. 1,079,433; Nov. 25; Gaz. vol. 196; p. 847.
- Sheet-metal box. E. Norton. No. 1,079,903; Nov. 25; Gaz. vol. 196; p. 1013.
- Sheet-metal can or receptacle. H. A. Post. No. 1,070,527; Aug. 19; Gaz. vol. 193; p. 566.
- Sheet-metal construction. M. Anderson. No. 1,062,210; May 20; Gaz. vol. 190; p. 638.
- Sheet-metal construction. M. Lachman. No. 1,070,817; Aug. 19; Gaz. vol. 193; p. 663.
- Sheet-metal constructions, Attachment for. C. J. Clements. No. 1,062,635; May 27; Gaz. vol. 190; p. 821.
- Sheet-metal-cutting machine. F. Wuggenig. No. 1,050,194; Jan. 14; Gaz. vol. 186; p. 330.
- Sheet-metal elbows, Forming. M. L. Hunker. No. 1,058,590; Apr. 8; Gaz. vol. 189; p. 454.
- Sheet metal, Expanding. H. B. Chess, Jr. No. 1,059,710; Apr. 22; Gaz. vol. 189; p. 912.
- Sheet-metal-forming machine. W. R. Green. No. 1,068,893; July 29; Gaz. vol. 192; p. 1168.
- Sheet-metal handles, Forming. W. A. Bernard. No. 1,064,956; June 17; Gaz. vol. 191; p. 677.
- Sheet-metal house. C. D. Pruden. No. 1,062,994; May 27; Gaz. vol. 190; p. 938.
- Sheet metal, Machine for making ribbed. H. E. White. No. 1,056,962; Mar. 25; Gaz. vol. 188; p. 882.
- Sheet metal, Making ribbed. H. E. White. No. 1,056,871; Mar. 25; Gaz. vol. 188; p. 850.
- Sheet-metal manufacture. F. M. Vogan. No. 1,056,072; Mar. 18; Gaz. vol. 188; p. 547.
- Sheet-metal objects, Mechanism for forming. L. A. Brigel. No. 1,050,516; Jan. 14; Gaz. vol. 186; p. 444.
- Sheet-metal pipe. B. D. Fudge. No. 1,061,739; May 13; Gaz. vol. 190; p. 441.
- Sheet-metal slitting and punching machine. H. E. White. No. 1,049,632; Jan. 7; Gaz. vol. 186; p. 108.
- Sheet-metal slitting and winding machine. H. J. White. No. 1,075,679; Oct. 14; Gaz. vol. 195; p. 403.
- Sheet-metal-slitting machine. L. E. Curtis. No. 1,071,712; Sept. 2; Gaz. vol. 194; p. 14.
- Sheet-metal straightening and cutting-off machine. F. B. Shuster. No. 1,058,799; Apr. 15; Gaz. vol. 189; p. 563.
- Sheet-metal strips, Machine for cutting and mounting. W. Stuebing. (Reissue.) No. 13,553; Apr. 15; Gaz. vol. 189; p. 751.
- Sheet-metal structure. A. L. Sessions. No. 1,056,222; Mar. 18; Gaz. vol. 188; p. 598.
- Sheet-metal structure, Hollow. A. J. Ellis. No. 1,079,117; Nov. 18; Gaz. vol. 196; p. 711.
- Sheet-metal wheel. W. Schwene. No. 1,071,099; Aug. 26; Gaz. vol. 193; p. 790.
- Sheet-metal wheel. H. Austin. No. 1,071,684; Sept. 2; Gaz. vol. 194; p. 4.
- Sheet-metal wheel. F. B. Horn and A. Wagner. No. 1,078,581; Nov. 11; Gaz. vol. 196; p. 491.
- Sheet-metal-working machine. L. Bauroth. No. 1,060,663; May 6; Gaz. vol. 190; p. 33.
- Sheet-metal-working machine. P. Kruse. No. 1,081,050; Dec. 9; Gaz. vol. 197; p. 422.
- Sheet-operated mechanism. W. A. Henn. No. 1,052,055; Feb. 4; Gaz. vol. 187; p. 73.
- Sheet operating and display mechanism. E. W. Lanford. No. 1,075,293; Oct. 7; Gaz. vol. 195; p. 245.
- Sheet-registering gripper mechanism. C. O. L. Cardell. No. 1,059,975; Apr. 29; Gaz. vol. 189; p. 1043.
- Sheet separating, feeding, and delivering apparatus. E. A. Cox. No. 1,075,697; Oct. 14; Gaz. vol. 195; p. 409.
- Sheet-separating machine. W. R. Kinnear. No. 1,079,861; Nov. 25; Gaz. vol. 196; p. 998.
- Sheet-separator. R. A. Freeman. No. 1,072,936; Sept. 9; Gaz. vol. 194; p. 467.
- Sheet slow-down and straightener for feeders, Combination. C. E. Christophel. No. 1,068,106; July 22; Gaz. vol. 192; p. 853.
- Sheet-sorting machines, Device for removing scraps of paper in. G. Spiess. No. 1,081,003; Dec. 9; Gaz. vol. 197; p. 407.
- Sheet-straightener and slow-down for feeders, Combination. G. A. Martin. No. 1,071,448; Aug. 26; Gaz. vol. 193; p. 907.
- Sheet-winding mechanism. P. J. Dreher. No. 1,066,590; July 8; Gaz. vol. 192; p. 269.
- Sheets and like articles, Machine for feeding. R. E. and A. Kemper. No. 1,052,257; Feb. 4; Gaz. vol. 187; p. 143.
- Sheets, Apparatus for pneumatically separating. J. Heinrich. No. 1,069,009; July 29; Gaz. vol. 192; p. 1205.
- Sheets, Stripping. J. McFetridge. No. 1,063,054; May 27; Gaz. vol. 190; p. 958.
- Sheeting, Interlocking. F. W. Skinner. No. 1,068,178; July 22; Gaz. vol. 192; p. 878.
- Shelf. C. Marsh. No. 1,064,843; June 17; Gaz. vol. 191; p. 640.
- Shelf, Adjustable. L. Sengen. No. 1,065,004; June 17; Gaz. vol. 191; p. 692.
- Shelf, Adjustable. H. M. Dungan. No. 1,080,203; Dec. 2; Gaz. vol. 197; p. 100.
- Shelf and bar bracket. C. W. Warner. No. 1,067,850; July 22; Gaz. vol. 192; p. 768.
- Shelf and case therefor, Adjustable. L. J. Isbell. No. 1,053,996; Feb. 25; Gaz. vol. 187; p. 849.
- Shelf-box. E. H. Bekkering. No. 1,074,344; Sept. 30; Gaz. vol. 194; p. 1037.
- Shelf-bracket. P. R. Cumming. No. 1,055,522; Mar. 11; Gaz. vol. 188; p. 328.
- Shelf-bracket, Adjustable. P. G. Mason. No. 1,055,201; Mar. 4; Gaz. vol. 188; p. 183.
- Shelf bracket, Window-. E. Giles. No. 1,069,000; July 29; Gaz. vol. 192; p. 1202.
- Shelf, Folding. S. Meyer. No. 1,079,057; Nov. 18; Gaz. vol. 196; p. 691.
- Shelf-frame. J. Hartmann. No. 1,065,045; June 17; Gaz. vol. 191; p. 705.
- Shelf mechanism, Adjustable. M. H. Smith. No. 1,062,556; May 20; Gaz. vol. 190; p. 751.
- Shelf structure. W. Tietz. No. 1,066,165; July 1; Gaz. vol. 192; p. 92.
- Shelf-support. S. C. Entwistle. No. 1,062,901; May 27; Gaz. vol. 190; p. 908.
- Shelf-support, Adjustable. J. Knappe. No. 1,055,050; Mar. 4; Gaz. vol. 188; p. 135.
- Shelves, Locking device for. H. Kleber, Jr. No. 1,075,652; Oct. 14; Gaz. vol. 195; p. 395.
- Shelves, partitions, and the like, Means for adjustably supporting. S. Ringer. No. 1,052,516; Feb. 11; Gaz. vol. 187; p. 262.
- Shelving. J. E. Bales. No. 1,056,486; Mar. 18; Gaz. vol. 188; p. 688.
- Shelving. H. P. Beecher. No. 1,062,759; May 27; Gaz. vol. 190; p. 860.
- Shelving construction, Metal. C. R. Jamison. No. 1,064,737; June 17; Gaz. vol. 191; p. 607.
- Shelving, Library-. J. W. Hine. No. 1,059,464; Apr. 22; Gaz. vol. 189; p. 831.
- Shelving, Metal. W. N. Vance. No. 1,057,189; Mar. 25; Gaz. vol. 188; p. 961.
- Shelving, Metallic. A. Martin. No. 1,050,154; Jan. 14; Gaz. vol. 186; p. 317.
- Shelving, Sectional. W. Tietz. No. 1,063,086; May 27; Gaz. vol. 190; p. 969.
- Shell-closing machine. H. Auchu. No. 1,058,522; Apr. 8; Gaz. vol. 189; p. 432.

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- Shell-closing machine. H. Auchu. No. 1,058,523; Apr. 8; Gaz. vol. 189; p. 432.
- Shell, Loaded paper. F. O. Hoagland. No. 1,057,646; Apr. 1; Gaz. vol. 189; p. 86.
- Shell, Paper-tube shot-. F. O. Hoagland. No. 1,064,907; June 17; Gaz. vol. 191; p. 660.
- Sheller. *See* Corn-sheller.
- Shellac and its allied lacs. Refining. H. Cassard. No. 1,066,794; July 8; Gaz. vol. 192; p. 340.
- Shield. One-part expansion-. H. B. Newhall, Jr., and H. W. Pleister. No. 1,062,992; May 27; Gaz. vol. 190; p. 938.
- Shield. Two-part expansion-. H. B. Newhall, Jr., and H. W. Pleister. No. 1,062,993; May 27; Gaz. vol. 190; p. 938.
- Shingle. J. F. Dietz. No. 1,053,792; Feb. 18; Gaz. vol. 187; p. 744.
- Shingle. T. D. Miller. No. 1,059,682; Apr. 22; Gaz. vol. 189; p. 903.
- Shingle. F. H. Grant. No. 1,076,111; Oct. 21; Gaz. vol. 195; p. 579.
- Shingle. W. S. Orth. No. 1,077,095; Oct. 28; Gaz. vol. 195; p. 975.
- Shingle-cutting machine. A. G. Dehlin. No. 1,063,914; June 3; Gaz. vol. 191; p. 255.
- Shingle-marking machine. C. Patchett and R. P. Morrison. No. 1,066,314; July 1; Gaz. vol. 192; p. 147.
- Shingle, Metal. H. M. Clemmer. No. 1,072,825; Sept. 9; Gaz. vol. 194; p. 426.
- Shingle, Metal. H. C. Hames. No. 1,073,485; Sept. 16; Gaz. vol. 194; p. 696.
- Shingle, Metal. O. F. Jacobson. No. 1,076,123; Oct. 21; Gaz. vol. 195; p. 583.
- Shingle-mill. G. E. Finkenbiner and F. G. Martin. No. 1,068,996; July 29; Gaz. vol. 192; p. 1201.
- Shingle, Roofing-. C. W. R. Smith. No. 1,064,020; June 10; Gaz. vol. 191; p. 326.
- Shingle-sawing machine. R. H. Richards and E. P. Hueber. No. 1,055,945; Mar. 11; Gaz. vol. 188; p. 469.
- Shingle-sawing machine. B. E. Lincoln. No. 1,062,484; May 20; Gaz. vol. 190; p. 728.
- Shingling-bracket. H. Richards. No. 1,074,382; Sept. 30; Gaz. vol. 194; p. 1050.
- Ship. J. Reid and G. Simpson. No. 1,065,549; June 24; Gaz. vol. 191; p. 913.
- Ship. J. C. Schleicher. No. 1,076,068; Oct. 21; Gaz. vol. 195; p. 564.
- Ship-bottom cleaner, Electrolytic. G. W. Frazier. (Re-issue.) No. 13,652; Nov. 25; Gaz. vol. 196; p. 1022.
- Ship construction. J. T. L'Anglois. No. 1,051,127; Jan. 21; Gaz. vol. 186; p. 687.
- Ship construction. J. W. Fox. No. 1,052,474; Feb. 11; Gaz. vol. 187; p. 248.
- Ship construction. W. H. Didlake. No. 1,061,826; May 13; Gaz. vol. 190; p. 466.
- Ship construction. J. R. Oldham. No. 1,066,039; July 1; Gaz. vol. 192; p. 48.
- Ship construction. P. Briones. No. 1,076,624; Oct. 21; Gaz. vol. 195; p. 759.
- Ship landing-ladder. J. S. Dearwood. No. 1,067,002; July 8; Gaz. vol. 192; p. 409.
- Ship-loading means. B. Reiver. No. 1,063,832; June 3; Gaz. vol. 191; p. 228.
- Ship plate and hull. J. F. Monnot. No. 1,060,930; May 6; Gaz. vol. 190; p. 127.
- Ship-protector. K. Jameson. No. 1,070,260; Aug. 12; Gaz. vol. 193; p. 432.
- Ship stopping device. C. Behrens. No. 1,074,236; Sept. 30; Gaz. vol. 194; p. 1002.
- Ship structure. D. A. Wolfe. No. 1,061,153; May 6; Gaz. vol. 190; p. 203.
- Ships. Apparatus for reducing friction between water and the hulls of. M. Johnson. No. 1,066,732; July 8; Gaz. vol. 192; p. 320.
- Ships' bulkheads, Door for. W. Houghton. No. 1,078,095; Nov. 11; Gaz. vol. 196; p. 325.
- Ships, Combined deck and carline for. W. T. Donnelly. No. 1,049,685; Jan. 7; Gaz. vol. 186; p. 126.
- Ships' compartments, Apparatus for flooding. J. L. and W. P. Brunton. No. 1,061,262; May 13; Gaz. vol. 190; p. 275.
- Ship's draft-indicator. A. McNab. No. 1,062,291; May 20; Gaz. vol. 190; p. 665.
- Ships, Engine installation for. A. Büchl. No. 1,051,309; Jan. 21; Gaz. vol. 186; p. 749.
- Ship's hawse-pipe. A. R., and A. Hamilton, Jr. No. 1,067,872; July 22; Gaz. vol. 192; p. 776.
- Ship's hull. L. von. Köppen. No. 1,060,985; May 6; Gaz. vol. 190; p. 148.
- Ships' hulls, Means for cleaning. G. J. Kindermann. No. 1,063,804; June 3; Gaz. vol. 191; p. 219.
- Ship's log. T. H. McQuown. No. 1,061,309; May 13; Gaz. vol. 190; p. 291.
- Ship's log. E. C. Akers. No. 1,081,081; Dec. 9; Gaz. vol. 197; p. 430.
- Ships or any kind of vessels, Apparatus for cleaning the hulls of. F. G. Browne. No. 1,079,208; Nov. 18; Gaz. vol. 196; p. 742.
- Ships' paths, Device for recording. H. Anschütz-Kaempfe. No. 1,069,842; Aug. 12; Gaz. vol. 193; p. 289.
- Ships, Registering the course and speed of. J. Włodzimirski. No. 1,073,832; Sept. 23; Gaz. vol. 194; p. 837.
- Ships, System of construction for steel. S. Holmes. No. 1,076,208; Oct. 21; Gaz. vol. 195; p. 611.
- Ship's table. H. and C. Brown. No. 1,051,983; Feb. 4; Gaz. vol. 187; p. 46.
- Ships, Towing device for. R. Koss. No. 1,075,111; Oct. 7; Gaz. vol. 195; p. 179.
- Ships with floating cabins, Construction of. E. Harrison. No. 1,069,692; Aug. 12; Gaz. vol. 193; p. 236.
- Shipping-blanks. W. Bannerman. No. 1,079,737; Nov. 25; Gaz. vol. 196; p. 953.
- Shipping-box. S. C. Haley. No. 1,055,034; Mar. 4; Gaz. vol. 188; p. 130.
- Shipping-box. O. Mitchell. No. 1,058,777; Apr. 15; Gaz. vol. 189; p. 556.
- Shipping box, case, or crate. C. Fassnacht. No. 1,070,591; Aug. 19; Gaz. vol. 193; p. 589.
- Shipping-box, Collapsible. J. O. Norris. No. 1,066,838; July 8; Gaz. vol. 192; p. 354.
- Shipping-can for oil and other fluids, Incased. A. H. Buckley. No. 1,063,503; June 3; Gaz. vol. 191; p. 112.
- Shipping-case. G. W. Stitzer. No. 1,082,567; Dec. 30; Gaz. vol. 197; p. 1034.
- Shipping case and barrel for bottles. A. H. Schmedtje. No. 1,057,587; Apr. 1; Gaz. vol. 189; p. 65.
- Shipping-case, Refrigerating. A. P. Haines. No. 1,080,215; Dec. 2; Gaz. vol. 197; p. 104.
- Shirt. R. Bartell. No. 1,050,715; Jan. 14; Gaz. vol. 186; p. 508.
- Shirt. H. W. Stokes. No. 1,056,604; Mar. 18; Gaz. vol. 188; p. 730.
- Shirt. G. Becker. No. 1,069,100; Aug. 5; Gaz. vol. 193; p. 4.
- Shirt. C. H. Casebolt. No. 1,075,010; Oct. 7; Gaz. vol. 195; p. 144.
- Shirt. E. C. Roat. No. 1,080,928; Dec. 9; Gaz. vol. 197; p. 384.
- Shirt cuff and waistband, Combined. H. R. Martin. No. 1,052,158; Feb. 4; Gaz. vol. 187; p. 109.
- Shirt, Sleeping-. I. A. Johnson. No. 1,072,469; Sept. 9; Gaz. vol. 194; p. 301.
- Shirt-waist supporter. F. Wiberley. No. 1,053,764; Feb. 18; Gaz. vol. 187; p. 734.
- Shirts, Adjustable protector for laundried. N. J. Goodman. No. 1,062,150; May 20; Gaz. vol. 190; p. 618.
- Shirts, (all-flexible,) Protector for laundried. N. J. Goodman. No. 1,059,452; Apr. 22; Gaz. vol. 189; p. 827.
- Shirts, blouses, and the like, Neckband of. S. Lever. No. 1,076,381; Oct. 21; Gaz. vol. 195; p. 672.
- Shirts, Wrapper for laundried. C. B. Fox. No. 1,062,643; May 27; Gaz. vol. 190; p. 823.
- Shock-absorber. T. J. Mullen and T. F. Brennan. No. 1,049,512; Jan. 7; Gaz. vol. 186; p. 65.
- Shock-absorber. C. D. Sword. No. 1,049,620; Jan. 7; Gaz. vol. 186; p. 105.
- Shock-absorber. P. Szydlowski. No. 1,051,288; Jan. 21; Gaz. vol. 186; p. 741.
- Shock-absorber. W. H. Bell. No. 1,051,305; Jan. 21; Gaz. vol. 186; p. 747.
- Shock-absorber. F. Schimmel. No. 1,052,013; Feb. 4; Gaz. vol. 187; p. 58.
- Shock-absorber. G. C. Martin. No. 1,053,417; Feb. 18; Gaz. vol. 187; p. 615.
- Shock-absorber. B. W. Matthews. No. 1,054,010; Feb. 25; Gaz. vol. 187; p. 853.
- Shock-absorber. F. A. Green. No. 1,055,164; Mar. 4; Gaz. vol. 188; p. 171.
- Shock-absorber. C. N. Sowden. No. 1,057,292; Mar. 25; Gaz. vol. 188; p. 995.
- Shock-absorber. A. Peteler. No. 1,057,452; Apr. 1; Gaz. vol. 189; p. 20.
- Shock-absorber. F. O. Woodland. No. 1,058,128; Apr. 8; Gaz. vol. 189; p. 296.
- Shock-absorber. T. J. Mullen and T. F. Brennan. No. 1,058,253; Apr. 8; Gaz. vol. 189; p. 338.
- Shock-absorber. W. H. Cook. No. 1,058,410; Apr. 8; Gaz. vol. 189; p. 395.
- Shock-absorber. S. H. Yancey. No. 1,058,834; Apr. 15; Gaz. vol. 189; p. 577.
- Shock-absorber. C. P. Snyder. No. 1,059,402; Apr. 22; Gaz. vol. 189; p. 809.
- Shock-absorber. M. C. Overman. No. 1,060,017; Apr. 29; Gaz. vol. 189; p. 1056.
- Shock-absorber. C. W. Crawford. No. 1,060,537; Apr. 29; Gaz. vol. 189; p. 1237.
- Shock-absorber. H. H. Sunvold and H. Larson. No. 1,061,420; May 13; Gaz. vol. 190; p. 329.
- Shock-absorber. J. Boland. No. 1,062,320; May 20; Gaz. vol. 190; p. 675.
- Shock-absorber. W. H. Cook. No. 1,062,441; May 20; Gaz. vol. 190; p. 714.
- Shock-absorber. G. L. Bayley. No. 1,062,758; May 27; Gaz. vol. 190; p. 860.
- Shock-absorber. G. H. Richmond. No. 1,063,286; June 3; Gaz. vol. 191; p. 40.
- Shock-absorber. D. F. McCarthy. No. 1,063,459; June 3; Gaz. vol. 191; p. 97.

Alphabetical list of inventions—Continued.

- Shock-absorber. K. V. Bennis. No. 1,063,641; June 3; Gaz. vol. 191; p. 163.
- Shock-absorber. G. E. Shippey. No. 1,064,019; June 10; Gaz. vol. 191; p. 325.
- Shock-absorber. P. J. Cubbison and R. G. McFarland. No. 1,066,255; July 1; Gaz. vol. 192; p. 126.
- Shock-absorber. J. E. Gorsuch. No. 1,066,407; July 1; Gaz. vol. 192; p. 175.
- Shock-absorber. J. W. Lattig. No. 1,066,508; July 8; Gaz. vol. 192; p. 240.
- Shock-absorber. J. M. Lansden, Jr. No. 1,066,738; July 8; Gaz. vol. 192; p. 322.
- Shock-absorber. W. H. Cook. No. 1,066,999; July 8; Gaz. vol. 192; p. 409.
- Shock-absorber. G. E. Newell. No. 1,067,130; July 8; Gaz. vol. 192; p. 453.
- Shock-absorber. T. F. Scott. No. 1,067,444; July 15; Gaz. vol. 192; p. 597.
- Shock-absorber. M. C. Fullenlove. No. 1,068,644; July 29; Gaz. vol. 192; p. 1079.
- Shock-absorber. G. B. Reid. No. 1,071,463; Aug. 26; Gaz. vol. 193; p. 911.
- Shock-absorber. T. Hand. No. 1,071,518; Aug. 26; Gaz. vol. 193; p. 929.
- Shock-absorber. A. Peteler. No. 1,072,770; Sept. 9; Gaz. vol. 194; p. 405.
- Shock-absorber. H. A. Tuttle. No. 1,073,187; Sept. 16; Gaz. vol. 194; p. 590.
- Shock-absorber. W. H. Cook. No. 1,073,401; Sept. 16; Gaz. vol. 194; p. 667.
- Shock-absorber. C. N. Sowden. No. 1,074,658; Oct. 7; Gaz. vol. 195; p. 25.
- Shock-absorber. C. W. Crawford. No. 1,075,901; Oct. 14; Gaz. vol. 195; p. 477.
- Shock-absorber. G. H. Dangleman. No. 1,077,124; Oct. 28; Gaz. vol. 195; p. 984.
- Shock-absorber. C. Yeager. No. 1,077,781; Nov. 4; Gaz. vol. 196; p. 186.
- Shock-absorber. E. W. Newman. No. 1,078,060; Nov. 11; Gaz. vol. 196; p. 313.
- Shock-absorber. A. Camporini. No. 1,078,536; Nov. 11; Gaz. vol. 196; p. 476.
- Shock-absorber. J. B. Thomas. No. 1,078,885; Nov. 18; Gaz. vol. 196; p. 630.
- Shock-absorber. G. C. Beck. No. 1,080,745; Dec. 9; Gaz. vol. 197; p. 319.
- Shock-absorber. E. V. Hartford. No. 1,081,962; Dec. 23; Gaz. vol. 197; p. 793.
- Shock-absorber. J. L. Lawrence. No. 1,081,970; Dec. 23; Gaz. vol. 197; p. 795.
- Shock-absorber attachment. H. Moritz, J. J. Koelsch, and F. T. Koehn. No. 1,057,573; Apr. 1; Gaz. vol. 189; p. 60.
- Shock-absorber attachment. F. Smith. No. 1,066,763; July 8; Gaz. vol. 192; p. 331.
- Shock-absorber, Pneumatic. L. E. Parrott. No. 1,066,313; July 1; Gaz. vol. 192; p. 147.
- Shock-absorber, Pneumatic. L. S. Pace and J. F. Osborne. No. 1,069,574; Aug. 5; Gaz. vol. 193; p. 167.
- Shock-absorbers, Auxiliary tension device for. H. R. Harrison. No. 1,051,403; Jan. 28; Gaz. vol. 186; p. 813.
- Shock-absorbing attachment. J. Carson. No. 1,070,114; Aug. 12; Gaz. vol. 193; p. 382.
- Shock-absorbing device. C. H. Stevens. No. 1,051,773; Jan. 28; Gaz. vol. 186; p. 935.
- Shock-absorbing device. R. Herman. No. 1,064,214; June 10; Gaz. vol. 191; p. 393.
- Shock-carrier. E. Paulson. No. 1,057,768; Apr. 1; Gaz. vol. 189; p. 127.
- Shock-former. J. F. Wheeler. No. 1,080,034; Dec. 2; Gaz. vol. 197; p. 41.
- Shock-gatherer. H. Zimmerman. No. 1,075,748; Oct. 14; Gaz. vol. 195; p. 426.
- Shock-loader. G. L. Lady. No. 1,064,495; June 10; Gaz. vol. 191; p. 489.
- Shock-loader. B. J. Young. No. 1,068,552; July 29; Gaz. vol. 192; p. 1046.
- Shock-loader. O. L. Gilliland. No. 1,073,849; Sept. 23; Gaz. vol. 194; p. 843.
- Shock-loader. O. L. Gilliland. No. 1,076,670; Oct. 28; Gaz. vol. 195; p. 827.
- Shock-loader. G. A. Imhoff. No. 1,080,345; Dec. 2; Gaz. vol. 197; p. 151.
- Shock-mover. P. Voellinger. No. 1,057,787; Apr. 1; Gaz. vol. 189; p. 134.
- Shock, sheaf, or hay loader. D. A., R. C., and J. F. Stewart. No. 1,051,775; Jan. 28; Gaz. vol. 186; p. 936.
- Shock-tier. C. G. Fravel. No. 1,073,035; Sept. 9; Gaz. vol. 194; p. 501.
- Shocker. G. F. Putman. No. 1,054,030; Feb. 25; Gaz. vol. 187; p. 860.
- Shocker. M. G. Eisenreich. No. 1,058,162; Apr. 8; Gaz. vol. 189; p. 308.
- Shocking-machine. J. Latimer. No. 1,052,154; Feb. 4; Gaz. vol. 187; p. 108.
- Shocking-machine. C. McArthur. No. 1,056,431; Mar. 18; Gaz. vol. 188; p. 669.
- Shocking-machine. W. R. McHill. No. 1,081,247; Dec. 9; Gaz. vol. 197; p. 487.
- Shoe. G. Papp. No. 1,052,169; Feb. 4; Gaz. vol. 187; p. 113.
- Shoe. E. Taenger. No. 1,052,529; Feb. 11; Gaz. vol. 187; p. 267.
- Shoe. G. L. Rouse. No. 1,053,442; Feb. 18; Gaz. vol. 187; p. 624.
- Shoe. R. Cohen. No. 1,053,974; Feb. 25; Gaz. vol. 187; p. 841.
- Shoe. H. M. Fauteux. No. 1,053,980; Feb. 25; Gaz. vol. 187; p. 843.
- Shoe. D. Austin. No. 1,055,695; Mar. 11; Gaz. vol. 188; p. 386.
- Shoe. M. E. Conrad. No. 1,061,222; May 6; Gaz. vol. 190; p. 226.
- Shoe. C. Miner. No. 1,065,618; June 24; Gaz. vol. 191; p. 936.
- Shoe. F. J. Smith. No. 1,066,857; July 8; Gaz. vol. 192; p. 360.
- Shoe. W. J. Drey. No. 1,068,867; July 29; Gaz. vol. 192; p. 1159.
- Shoe. D. Austin. No. 1,075,806; Oct. 14; Gaz. vol. 195; p. 446.
- Shoe. D. Austin. No. 1,078,571; Nov. 11; Gaz. vol. 196; p. 488.
- Shoe. D. Austin. No. 1,079,535; Nov. 25; Gaz. vol. 196; p. 882.
- Shoe. M. Langerak. No. 1,081,678; Dec. 16; Gaz. vol. 197; p. 667.
- Shoe and glove fastener. J. W. Harmon. No. 1,081,231; Dec. 9; Gaz. vol. 197; p. 481.
- Shoe and slipper. J. P. Montllor. No. 1,051,615; Jan. 28; Gaz. vol. 186; p. 886.
- Shoe and tread member thereof. H. F. Crawford. No. 1,072,916; Sept. 9; Gaz. vol. 194; p. 460.
- Shoe, Ankle-supporting. R. Healy. No. 1,064,479; June 10; Gaz. vol. 191; p. 484.
- Shoe attachment. S. H. Levee and M. Tickoshinsky. No. 1,055,768; Mar. 11; Gaz. vol. 188; p. 411.
- Shoe attachment. F. H. Jentz. No. 1,057,244; Mar. 25; Gaz. vol. 188; p. 980.
- Shoe attachment, Low-cut. W. E. Bunker. No. 1,079,835; Nov. 25; Gaz. vol. 196; p. 989.
- Shoe, Bathing. A. Aumont. No. 1,074,595; Oct. 7; Gaz. vol. 195; p. 3.
- Shoe-bottom cavities, Filling. W. D. Baker. No. 1,071,857; Sept. 2; Gaz. vol. 194; p. 65.
- Shoe-calk. A. J. Hersey. No. 1,053,506; Feb. 18; Gaz. vol. 187; p. 646.
- Shoe, Casing. F. M. Edgar and T. E. McKee. No. 1,058,567; Apr. 8; Gaz. vol. 189; p. 447.
- Shoe-cleaner. H. H. Chambers. No. 1,059,032; Apr. 15; Gaz. vol. 189; p. 647.
- Shoe-cleaner. R. D. Bromley. No. 1,065,340; June 24; Gaz. vol. 191; p. 841.
- Shoe-cleaner. W. J. Lloyd. No. 1,067,122; July 8; Gaz. vol. 192; p. 450.
- Shoe-cleaner. B. A. Lake. No. 1,069,884; Aug. 12; Gaz. vol. 193; p. 304.
- Shoe cleaner and polisher. C. M. Hollingsworth. No. 1,059,364; Apr. 22; Gaz. vol. 189; p. 796.
- Shoe-cleaning device. S. H. Frederick. No. 1,059,292; Apr. 15; Gaz. vol. 189; p. 735.
- Shoe-cleaning device. J. J. Sleeper. No. 1,064,864; June 17; Gaz. vol. 191; p. 648.
- Shoe construction. G. R. Davis. No. 1,058,561; Apr. 8; Gaz. vol. 189; p. 445.
- Shoe construction. J. R. Webb. No. 1,060,300; Apr. 29; Gaz. vol. 189; p. 1154.
- Shoe-counter, Metallic. B. F. McCoy. No. 1,064,923; June 17; Gaz. vol. 191; p. 664.
- Shoe-drier. J. W. McIver. No. 1,074,888; Oct. 7; Gaz. vol. 195; p. 101.
- Shoe-elongating implement, Portable. H. E. Maine. No. 1,080,918; Dec. 9; Gaz. vol. 197; p. 380.
- Shoe, Extension-. H. Eberlein. No. 1,049,827; Jan. 7; Gaz. vol. 186; p. 173.
- Shoe-fastener. J. J. Neary. No. 1,053,529; Feb. 18; Gaz. vol. 187; p. 654.
- Shoe-fastener. J. R. Hopkins. No. 1,056,680; Mar. 18; Gaz. vol. 188; p. 754.
- Shoe-fastener. C. Kramer. No. 1,057,382; Mar. 25; Gaz. vol. 188; p. 1023.
- Shoe-fastener. M. Conlin. No. 1,059,838; Apr. 22; Gaz. vol. 189; p. 953.
- Shoe-fastener. E. M. Diebel. No. 1,070,877; Aug. 19; Gaz. vol. 193; p. 682.
- Shoe-fastener. W. H. Powell. No. 1,074,381; Sept. 30; Gaz. vol. 194; p. 1050.
- Shoe-fastener. A. A. Siman. No. 1,079,521; Nov. 25; Gaz. vol. 196; p. 878.
- Shoe-fastening. W. M. Malone and J. T. O'Neill. No. 1,070,050; Aug. 12; Gaz. vol. 193; p. 360.
- Shoe-finishing machine, Universal. W. B. Keighley. No. 1,058,596; Apr. 8; Gaz. vol. 189; p. 456.
- Shoe for artistic dancing. F. Henschel. No. 1,079,941; Dec. 2; Gaz. vol. 197; p. 6.
- Shoe-form. L. W. Reinhardt. No. 1,071,347; Aug. 26; Gaz. vol. 193; p. 873.
- Shoe-form. A. G. Legge. No. 1,074,723; Oct. 7; Gaz. vol. 195; p. 47.

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- Shoe-form. C. S. Pierce. No. 1,078,554; Nov. 11; Gaz. vol. 196; p. 482.
- Shoe-form. J. A. Niles. No. 1,079,429; Nov. 25; Gaz. vol. 196; p. 846.
- Shoe-form, Expanding. W. C. Richardson. No. 1,060,859; May 6; Gaz. vol. 190; p. 102.
- Shoe form or last. E. H. Wales. No. 1,054,259; Feb. 25; Gaz. vol. 187; p. 938.
- Shoe-horn. J. D. Lane. No. 1,081,391; Dec. 16; Gaz. vol. 197; p. 575.
- Shoe-jack. H. W. Lambert. No. 1,071,440; Aug. 26; Gaz. vol. 193; p. 904.
- Shoe-knife. G. W. Gould. No. 1,064,206; June 10; Gaz. vol. 191; p. 390.
- Shoe, Low. A. V. Overall. No. 1,068,525; July 29; Gaz. vol. 192; p. 1037.
- Shoe-machine. W. D. McClain. No. 1,058,772; Apr. 15; Gaz. vol. 189; p. 554.
- Shoe-machine. G. Parmentier. No. 1,082,704; Dec. 30; Gaz. vol. 197; p. 1082.
- Shoe-machine, Automatic. E. E. Winkley. No. 1,067,089; July 8; Gaz. vol. 192; p. 438.
- Shoe-machine, Automatic. E. E. Winkley. No. 1,082,185; Dec. 23; Gaz. vol. 197; p. 868.
- Shoe-machine work-support. J. E. Crisp. No. 1,060,232; Apr. 29; Gaz. vol. 189; p. 1130.
- Shoe-machinery jack. E. E. Winkley. No. 1,054,732; Mar. 4; Gaz. vol. 188; p. 27.
- Shoes, Making felt. J. A. Green. No. 1,081,955; Dec. 23; Gaz. vol. 197; p. 790.
- Shoes, Making felt. J. A. Green. No. 1,081,956; Dec. 23; Gaz. vol. 197; p. 790.
- Shoe, Metal-soled. M. J. Harrington and F. Jutrash. No. 1,060,452; Apr. 29; Gaz. vol. 189; p. 1207.
- Shoe-mounting machine. M. Brock. No. 1,065,583; June 24; Gaz. vol. 191; p. 925.
- Shoe-nail. J. J. Gilsenan. No. 1,065,352; June 24; Gaz. vol. 191; p. 846.
- Shoe-nail. G. A. and S. A. Dobyne. No. 1,072,213; Sept. 2; Gaz. vol. 194; p. 185.
- Shoe or leather dressing. C. E. R. Brown. No. 1,057,325; Mar. 25; Gaz. vol. 188; p. 1005.
- Shoe-pattern for upper-leathers. J. A. Vandenberg. No. 1,066,866; July 8; Gaz. vol. 192; p. 364.
- Shoe-polishing box. A. I. Rooney. No. 1,079,606; Nov. 25; Gaz. vol. 196; p. 909.
- Shoe-polishing device. T. A. and L. T. Smith. No. 1,068,827; July 29; Gaz. vol. 192; p. 1145.
- Shoe-polishing device. L. T. Smith. No. 1,069,825; Aug. 12; Gaz. vol. 193; p. 284.
- Shoe-polishing device. T. A. and L. T. Smith. No. 1,076,071; Oct. 21; Gaz. vol. 195; p. 564.
- Shoe-polishing device. T. A. and L. T. Smith. No. 1,078,173; Nov. 11; Gaz. vol. 196; p. 351.
- Shoe-polishing machine. C. F. Burkhardt. No. 1,051,387; Jan. 28; Gaz. vol. 186; p. 808.
- Shoe-polishing machine. J. C. C. Scheer. No. 1,052,973; Feb. 11; Gaz. vol. 187; p. 418.
- Shoe-polishing machine. E. W. Johnson. No. 1,059,369; Apr. 22; Gaz. vol. 189; p. 798.
- Shoe-polishing machine. W. H. McConnell. No. 1,061,307; May 13; Gaz. vol. 190; p. 290.
- Shoe-polishing machine. A. H. R. Heller. No. 1,076,035; Oct. 21; Gaz. vol. 195; p. 553.
- Shoe-protector. M. Rasmussen. No. 1,051,448; Jan. 28; Gaz. vol. 186; p. 828.
- Shoe-protector. O. Fritzsche. No. 1,053,024; Feb. 11; Gaz. vol. 187; p. 434.
- Shoe-protector. C. A. Berg. No. 1,053,555; Feb. 18; Gaz. vol. 187; p. 663.
- Shoe-protector. T. Dickson. No. 1,056,091; Mar. 18; Gaz. vol. 188; p. 553.
- Shoe-rack. E. F. O'Brien. No. 1,058,194; Apr. 8; Gaz. vol. 189; p. 319.
- Shoe-shaping machine. O. Ashton. No. 1,066,781; July 8; Gaz. vol. 192; p. 337.
- Shoe-shining machine. W. R. Pierce. No. 1,049,393; Jan. 7; Gaz. vol. 186; p. 26.
- Shoe-shining machine. A. A. Cook. No. 1,063,416; June 3; Gaz. vol. 191; p. 83.
- Shoe-shining machine. R. R. McElhany. No. 1,063,991; June 10; Gaz. vol. 191; p. 315.
- Shoe, Snow. A. Emack. No. 1,052,139; Feb. 4; Gaz. vol. 187; p. 103.
- Shoe-soleing machine. A. B. Grodaes. No. 1,052,662; Feb. 11; Gaz. vol. 187; p. 312.
- Shoe-spike. R. V. Weston. No. 1,058,504; Apr. 8; Gaz. vol. 189; p. 426.
- Shoe, Spring-heel. M. Schwartz. No. 1,056,372; Mar. 18; Gaz. vol. 188; p. 647.
- Shoe-stiffener blank. W. B. Arnold. No. 1,076,541; Oct. 21; Gaz. vol. 195; p. 729.
- Shoe-support. M. Brock. No. 1,066,374; July 1; Gaz. vol. 192; p. 164.
- Shoe, Swimming. L. Robinson. No. 1,059,565; Apr. 22; Gaz. vol. 189; p. 866.
- Shoe-tree. E. J. Kobert. No. 1,062,164; May 20; Gaz. vol. 190; p. 622.
- Shoe-tree. E. J. Kobert. No. 1,062,165; May 20; Gaz. vol. 190; p. 622.
- Shoe, Turned. T. B. Felter. No. 1,054,402; Feb. 25; Gaz. vol. 187; p. 988.
- Shoe-ventilator. A. Cotton. No. 1,056,008; Mar. 18; Gaz. vol. 188; p. 525.
- Shoes, Buttonhole-marker for. E. T. Adams. No. 1,068,958; July 29; Gaz. vol. 192; p. 1190.
- Shoes, gloves, &c., Adjustable securing device for. G. R. Thygeson. No. 1,071,278; Aug. 26; Gaz. vol. 193; p. 850.
- Shoes, Instep-plate for. C. W. Glenn. No. 1,051,880; Feb. 4; Gaz. vol. 187; p. 11.
- Shoes, Ladder-gripping attachment for. E. Dennis. No. 1,059,284; Apr. 15; Gaz. vol. 189; p. 732.
- Shoes, Machine for operating on. F. H. Perry. No. 1,069,977; Aug. 12; Gaz. vol. 193; p. 355.
- Shoes, Machine for operating on. F. B. Keall, J. Gould-bourn, and A. E. Jerram. No. 1,078,684; Nov. 18; Gaz. vol. 196; p. 560.
- Shoes, Machine for pulling tacks from lasted. B. N. Clary. No. 1,059,349; Apr. 22; Gaz. vol. 189; p. 791.
- Shoes, Machinery for inserting fasteners in. H. A. Ballard. No. 1,050,906; Jan. 21; Gaz. vol. 186; p. 612.
- Shoes, Making. A. H. Prenzler. No. 1,050,040; Jan. 7; Gaz. vol. 186; p. 244.
- Shoes, Making. M. Brock. No. 1,065,584; June 24; Gaz. vol. 191; p. 926.
- Shoes, Spike for base-ball. D. A. Tradesco. No. 1,072,794; Sept. 9; Gaz. vol. 194; p. 414.
- Shoes, Squeak-preventer for. I. L. Keith. No. 1,075,039; Oct. 7; Gaz. vol. 195; p. 155.
- Shoemaker's jack. E. P. Mead. No. 1,052,421; Feb. 4; Gaz. vol. 187; p. 197.
- Shoestring-fastener. F. O. C. Brown. No. 1,071,696; Sept. 2; Gaz. vol. 194; p. 8.
- Shoestring-fastener. F. Ferrara. No. 1,072,594; Sept. 9; Gaz. vol. 194; p. 344.
- Shopping-bag, Safety. W. M. Fish. No. 1,068,232; July 22; Gaz. vol. 192; p. 898.
- Shoulder-brace. E. L. Trigg. No. 1,050,257; Jan. 14; Gaz. vol. 186; p. 352.
- Shoulder-cushion. J. W. Quirk. No. 1,055,077; Mar. 4; Gaz. vol. 188; p. 145.
- Shovel. See Excavating-shovel; Excavator-shovel; Mine-shovel; Power-shovel; Rock-breaking shovel; Steam-shovel.
- Shovel. W. S. Kelly. No. 1,062,474; May 20; Gaz. vol. 190; p. 725.
- Shovel. C. M. Bowman. No. 1,075,459; Oct. 14; Gaz. vol. 195; p. 328.
- Shovel and automobile traction, Combined. B. Cahn. No. 1,061,980; May 20; Gaz. vol. 190; p. 559.
- Shovel and scraper, Combined. J. N. Wilkins. No. 1,066,562; July 8; Gaz. vol. 192; p. 258.
- Shovel attachment. G. J. Walsh. No. 1,058,819; Apr. 15; Gaz. vol. 189; p. 572.
- Shovel for stokers' use and other purposes. C. A. Fell. No. 1,080,903; Dec. 9; Gaz. vol. 197; p. 374.
- Shovel-handle, Auxiliary. E. B. Moore. No. 1,074,889; Oct. 7; Gaz. vol. 195; p. 102.
- Shovel-handle extension. G. Albert. No. 1,081,187; Dec. 9; Gaz. vol. 197; p. 466.
- Shovel-handle, Supplementary. L. Brown. No. 1,083,054; Dec. 30; Gaz. vol. 197; p. 1201.
- Shovel mechanism, Steam. C. F. Hinkley. No. 1,056,676; Mar. 18; Gaz. vol. 188; p. 753.
- Shovels and the like, Equalizing system for steam. S. R. W. M. Bager. No. 1,075,081; Oct. 7; Gaz. vol. 195; p. 170.
- Shovels and the like, Equalizing system for steam. L. Wehner. No. 1,075,178; Oct. 7; Gaz. vol. 195; p. 203.
- Shovels, Turning device for steam. W. L. Strahlem. No. 1,077,174; Oct. 28; Gaz. vol. 195; p. 998.
- Shoveling-board. D. Wilde. No. 1,072,286; Sept. 2; Gaz. vol. 194; p. 208.
- Show-case. C. W. Kallenbaugh and A. O. Johnson. No. 1,068,062; July 22; Gaz. vol. 192; p. 839.
- Show-case. W. H. Cobb. No. 1,075,334; Oct. 14; Gaz. vol. 195; p. 284.
- Show-case. R. G. Bullock. No. 1,076,547; Oct. 21; Gaz. vol. 195; p. 731.
- Show-case. J. A. Burns. No. 1,078,249; Nov. 11; Gaz. vol. 196; p. 377.
- Show-case construction. I. W. Miller. No. 1,076,143; Oct. 21; Gaz. vol. 195; p. 589.
- Show-case, Glass. E. Morris. No. 1,074,640; Oct. 7; Gaz. vol. 195; p. 18.
- Show-case or clothing-cabinet, Automatic. G. O. Bouchard. No. 1,079,632; Nov. 25; Gaz. vol. 196; p. 917.
- Show-case roller-guide. J. Knape. No. 1,079,986; Dec. 2; Gaz. vol. 197; p. 23.
- Shower-bath, Curtainless. A. E. Kenney. No. 1,054,922; Mar. 4; Gaz. vol. 188; p. 91.
- Shower-bath, Portable. C. F. Nordmark. No. 1,065,265; June 17; Gaz. vol. 191; p. 778.
- Shredded-wheat biscuits or similar articles, Machine for making. W. E. Williams. No. 1,062,627; May 27; Gaz. vol. 190; p. 818.
- Shredder. J. Williams. No. 1,058,010; Apr. 1; Gaz. vol. 189; p. 210.

Alphabetical list of inventions—Continued.

- Shredding-machine. G. A. Lowry. No. 1,063,365; June 3; Gaz. vol. 191; p. 66.
- Shredding-machines, Shock receiving and delivering means for. J. K. Sharpe, Jr. No. 1,074,653; Oct. 7; Gaz. vol. 195; p. 23.
- Shut-off, Automatic. E. Hixon. No. 1,058,238; Apr. 8; Gaz. vol. 189; p. 333.
- Shutter. G. W. Bingham. No. 1,068,208; July 22; Gaz. vol. 192; p. 889.
- Shutter, Automatic fire-resisting. E. H. McCloud. No. 1,081,129; Dec. 9; Gaz. vol. 197; p. 447.
- Shutter bower and fastener. H. Ebert. No. 1,052,227; Feb. 4; Gaz. vol. 187; p. 132.
- Shutter-closing device, Window-. G. W. Lancaster. No. 1,081,842; Dec. 16; Gaz. vol. 197; p. 725.
- Shutter-fastener. D. S. Lagasse. No. 1,081,677; Dec. 16; Gaz. vol. 197; p. 666.
- Shutter mechanism. E. M. Wooden. No. 1,049,554; Jan. 7; Gaz. vol. 186; p. 81.
- Shutter, Objective-. C. and H. Bruns. No. 1,053,152; Feb. 18; Gaz. vol. 187; p. 523.
- Shutter-operating means, Exposure-. P. J. Mukautz. No. 1,081,548; Dec. 16; Gaz. vol. 197; p. 627.
- Shutter or blind, Louver. A. A. Perrier. No. 1,069,976; Aug. 12; Gaz. vol. 193; p. 334.
- Shutter, Window-. A. Elefant. No. 1,071,220; Aug. 26; Gaz. vol. 193; p. 832.
- Shutter, Window-. J. Lockhart. No. 1,076,637; Oct. 21; Gaz. vol. 195; p. 764.
- Shutter-worker. R. Kirchhoff. No. 1,073,909; Sept. 23; Gaz. vol. 194; p. 863.
- Shutter-worker, Automatic. B. A. Proctor. No. 1,081,331; Dec. 16; Gaz. vol. 197; p. 554.
- Shutters, End member for the slats of fire-. W. M. Brunst. No. 1,081,202; Dec. 9; Gaz. vol. 197; p. 471.
- Shuttle. P. Comeau. No. 1,056,501; Mar. 18; Gaz. vol. 188; p. 694.
- Shuttle. N. T. Constant. No. 1,056,629; Mar. 18; Gaz. vol. 188; p. 738.
- Shuttle. G. Mathieu. No. 1,058,614; Apr. 8; Gaz. vol. 189; p. 462.
- Shuttle. W. Townsend. No. 1,062,060; May 20; Gaz. vol. 190; p. 586.
- Shuttle. J. B. and E. H. Daudelin. No. 1,065,592; June 24; Gaz. vol. 191; p. 928.
- Shuttle. F. E. Valois. No. 1,074,758; Oct. 7; Gaz. vol. 195; p. 59.
- Shuttle. E. H. Daudelin. No. 1,078,261; Nov. 11; Gaz. vol. 196; p. 382.
- Shuttle. J. B. and E. H. Daudelin. No. 1,079,473; Nov. 25; Gaz. vol. 196; p. 862.
- Shuttle. N. Terashima. No. 1,081,169; Dec. 9; Gaz. vol. 197; p. 461.
- Shuttle and picker-stick check. D. E. Gray. No. 1,062,395; May 20; Gaz. vol. 190; p. 700.
- Shuttle, Automatically-threading. J. Smith. No. 1,074,656; Oct. 7; Gaz. vol. 195; p. 24.
- Shuttle, Hand-threading. O. Dalfond. No. 1,053,160; Feb. 18; Gaz. vol. 187; p. 526.
- Shuttle, Hand-threading. S. L. Child. No. 1,054,392; Feb. 25; Gaz. vol. 187; p. 984.
- Shuttle, Hand-threading. C. G. Petzold. No. 1,062,251; May 20; Gaz. vol. 190; p. 652.
- Shuttle, Hand-threading. R. N. Allen. No. 1,076,935; Oct. 28; Gaz. vol. 195; p. 922.
- Shuttle, Hand-threading antisuction-. E. H. Ford. No. 1,071,039; Aug. 26; Gaz. vol. 193; p. 770.
- Shuttle, Oscillatory. R. Zahn. No. 1,082,003; Dec. 23; Gaz. vol. 197; p. 807.
- Shuttle, Self-threading. A. Dion. No. 1,051,704; Jan. 28; Gaz. vol. 186; p. 914.
- Shuttle, Self-threading. G. M. Cheney. No. 1,068,316; July 22; Gaz. vol. 192; p. 928.
- Shuttle-thread-replenishing mechanism. F. F. Dorsey. No. 1,077,056; Oct. 28; Gaz. vol. 195; p. 963.
- Shuttle-threader. G. H. Hull. No. 1,067,247; July 15; Gaz. vol. 192; p. 529.
- Shuttle-threading device. A. Belz. No. 1,052,208; Feb. 4; Gaz. vol. 187; p. 126.
- Shuttle-threading device. C. Miller. No. 1,063,133; May 27; Gaz. vol. 190; p. 984.
- Shuttle-threading device. I. Snow. No. 1,074,987; Oct. 7; Gaz. vol. 195; p. 135.
- Shuttles, Friction device for. J. Lacroix. No. 1,054,355; Feb. 25; Gaz. vol. 187; p. 971.
- Shuttles, Friction device for. J. Johnston. No. 1,079,009; Nov. 18; Gaz. vol. 196; p. 673.
- Sickle-bar mechanism. L. O. Ferbrache. No. 1,083,072; Dec. 30; Gaz. vol. 197; p. 1207.
- Sickle for mowers, &c., Rivetless. J. A. Lackey. No. 1,076,832; Oct. 28; Gaz. vol. 195; p. 884.
- Sickle with saw attachment. I. T. Le Baron. No. 1,078,152; Nov. 11; Gaz. vol. 196; p. 344.
- Side-expansion tree. H. A. Ballard. No. 1,054,082; Feb. 25; Gaz. vol. 187; p. 877.
- Side guard. A. J. Kreuzkamp. No. 1,062,341; May 20; Gaz. vol. 190; p. 682.
- Side-guard-holding means. A. J. Kreuzkamp. No. 1,061,483; May 13; Gaz. vol. 190; p. 351.
- Sidereal sphere. L. W. Noyes. No. 1,079,358; Nov. 25; Gaz. vol. 196; p. 822.
- Sidewalk-construction mold. J. W. Holman. No. 1,080,693; Dec. 9; Gaz. vol. 197; p. 300.
- Sidewalk, floor, vault, and roof light construction. L. W. Mulford. No. 1,062,987; May 27; Gaz. vol. 190; p. 936.
- Sidewalk, vault-light, skylight, or floor-light construction. L. W. Mulford. No. 1,052,084; Feb. 4; Gaz. vol. 187; p. 83.
- Siemens-Martin furnace. K. Albert. No. 1,073,653; Sept. 23; Gaz. vol. 194; p. 775.
- Sieve. J. W. Ford, Jr. No. 1,069,244; Aug. 5; Gaz. vol. 193; p. 56.
- Sieve adjustment. A. A. Peterson. No. 1,051,254; Jan. 21; Gaz. vol. 186; p. 729.
- Sieve-bolter. G. Halliday. No. 1,057,053; Mar. 25; Gaz. vol. 188; p. 914.
- Sieve, Flour-mixing. D. W. Beckner. No. 1,069,101; Aug. 5; Gaz. vol. 193; p. 4.
- Sieve, Oscillating. M. M. Forkert. No. 1,049,690; Jan. 7; Gaz. vol. 186; p. 127.
- Sifter. E. V. Williams. No. 1,051,295; Jan. 21; Gaz. vol. 186; p. 743.
- Sifter. F. J. Mohr. No. 1,055,484; Mar. 11; Gaz. vol. 188; p. 316.
- Sifter. F. Q. Dutton. No. 1,057,129; Mar. 25; Gaz. vol. 188; p. 940.
- Sifter. W. B. Wills. No. 1,067,567; July 15; Gaz. vol. 192; p. 639.
- Sifter. J. A. Wulftange. No. 1,071,379; Aug. 26; Gaz. vol. 193; p. 884.
- Sifter. A. Weber. No. 1,081,919; Dec. 16; Gaz. vol. 197; p. 749.
- Sifter and mixer, Flour. S. B. (Sites) Newcomer. No. 1,067,366; July 15; Gaz. vol. 192; p. 571.
- Sifter, Ash-. W. M. Salisbury. No. 1,069,731; Aug. 12; Gaz. vol. 193; p. 251.
- Sifter, Ash-. N. Benjamin. No. 1,079,207; Nov. 18; Gaz. vol. 196; p. 742.
- Sifter for flour-bins. H. A. Hall. No. 1,075,474; Oct. 14; Gaz. vol. 195; p. 333.
- Sifter, Gyratory. A. D. Hughes. No. 1,067,920; July 22; Gaz. vol. 192; p. 791.
- Sifter, Household-. F. Lehrmann and T. J. Cullen. No. 1,070,824; Aug. 19; Gaz. vol. 193; p. 665.
- Sifter, Rapid flour-. M. C. Schock. No. 1,075,946; Oct. 14; Gaz. vol. 195; p. 494.
- Sifting-machine. H. H. Brown. No. 1,072,816; Sept. 9; Gaz. vol. 194; p. 422.
- Sifting-top can. E. P. Pullen and A. F. Broeckel. No. 1,068,446; July 29; Gaz. vol. 192; p. 1011.
- Sight-feed lubricator. W. D. Plue. No. 1,066,048; July 1; Gaz. vol. 192; p. 51.
- Sight-feed lubricator, Automatic. T. Olson and C. Hammersberg. No. 1,072,978; Sept. 9; Gaz. vol. 194; p. 482.
- Sign. G. Mayerle. No. 1,050,034; Jan. 7; Gaz. vol. 186; p. 242.
- Sign. J. K. Burleigh. No. 1,050,917; Jan. 21; Gaz. vol. 186; p. 616.
- Sign. J. K. Burleigh. No. 1,054,274; Feb. 25; Gaz. vol. 187; p. 943.
- Sign. L. Finkel and A. Yolin. No. 1,055,390; Mar. 11; Gaz. vol. 188; p. 284.
- Sign. T. J. Gill. No. 1,056,165; Mar. 18; Gaz. vol. 188; p. 179.
- Sign. G. H. Lawrence. No. 1,059,546; Apr. 22; Gaz. vol. 189; p. 859.
- Sign. J. B. Beans. No. 1,059,703; Apr. 22; Gaz. vol. 189; p. 910.
- Sign. F. E. Ferguson. No. 1,061,997; May 20; Gaz. vol. 190; p. 564.
- Sign. E. Bambeck. No. 1,066,242; July 1; Gaz. vol. 192; p. 121.
- Sign. J. W. Larson. No. 1,069,150; Aug. 5; Gaz. vol. 193; p. 20.
- Sign. B. F. Cline and J. F. Hensley. No. 1,072,088; Sept. 2; Gaz. vol. 194; p. 143.
- Sign. W. Raster. No. 1,072,870; Sept. 9; Gaz. vol. 194; p. 442.
- Sign. M. Brunet and J. Maček. No. 1,074,350; Sept. 30; Gaz. vol. 194; p. 1040.
- Sign. G. J. B. Rodwell. No. 1,076,519; Oct. 21; Gaz. vol. 195; p. 720.
- Sign. H. Everett. No. 1,077,514; Nov. 4; Gaz. vol. 196; p. 97.
- Sign. R. F. Mason. No. 1,080,358; Dec. 2; Gaz. vol. 197; p. 156.
- Sign, Advertising-. J. J. Broderick. No. 1,061,594; May 13; Gaz. vol. 190; p. 391.
- Sign, Advertising-. G. Gabet. No. 1,064,897; June 17; Gaz. vol. 191; p. 657.
- Sign, Advertising-. G. B. Colvin. No. 1,065,897; June 24; Gaz. vol. 191; p. 1031.
- Sign, Advertising-. C. B. Ulrich. No. 1,076,250; Oct. 21; Gaz. vol. 195; p. 625.
- Sign and indicator. P. Ficció. No. 1,049,833; Jan. 7; Gaz. vol. 186; p. 175.
- Sign and indicator. P. Ficció. No. 1,079,754; Nov. 25; Gaz. vol. 196; p. 962.

Alphabetical list of inventions—Continued.

- Sign and lamp therefor, Interchangeable electric. F. P. Hall and J. O. Sharpe. No. 1,067,024; July 8; Gaz. vol. 192; p. 416.
- Sign, Animated. R. Whitcomb. No. 1,082,785; Dec. 30; Gaz. vol. 197; p. 1111.
- Sign, Automatic electric display-. J. C. Eubank. No. 1,065,513; June 24; Gaz. vol. 191; p. 901.
- Sign, Automatic magazine-. L. H. Watts. No. 1,082,378; Dec. 23; Gaz. vol. 197; p. 937.
- Sign-back, Collapsible. H. R. Lawrence. No. 1,056,035; Mar. 18; Gaz. vol. 188; p. 535.
- Sign-box, Collapsible. W. V. D. Kelley. No. 1,059,371; Apr. 22; Gaz. vol. 189; p. 799.
- Sign, Car-. N. Litchfield. No. 1,062,598; May 27; Gaz. vol. 190; p. 808.
- Sign, Car-. N. Litchfield. No. 1,067,043; July 8; Gaz. vol. 192; p. 423.
- Sign, Change-letter. W. Ellison. No. 1,050,115; Jan. 14; Gaz. vol. 186; p. 305.
- Sign, Changeable. G. F. Fetscher. No. 1,058,739; Apr. 15; Gaz. vol. 189; p. 543.
- Sign, Changeable. B. Fried. No. 1,079,851; Nov. 25; Gaz. vol. 196; p. 994.
- Sign, Changeable advertising-. J. H. La Pearl. No. 1,077,885; Nov. 4; Gaz. vol. 196; p. 221.
- Sign, Changeable-letter. C. M. Kinney. No. 1,067,177; July 8; Gaz. vol. 192; p. 469.
- Sign, Changeable-letter. C. M. Kinney. No. 1,079,179; Nov. 18; Gaz. vol. 196; p. 733.
- Sign character. R. T. Savage. No. 1,068,535; July 29; Gaz. vol. 192; p. 1040.
- Sign controller, Electric-. E. H. Bickley. No. 1,050,203; Jan. 14; Gaz. vol. 186; p. 333.
- Sign, Electric. L. G. Shepard. No. 1,052,182; Feb. 4; Gaz. vol. 187; p. 118.
- Sign, Electric. W. H. Weeks. No. 1,060,519; Apr. 29; Gaz. vol. 189; p. 1230.
- Sign, Electric. F. Schaefer. No. 1,069,582; Aug. 5; Gaz. vol. 193; p. 169.
- Sign, Electric. A. C. Meyer. No. 1,069,627; Aug. 5; Gaz. vol. 193; p. 185.
- Sign, Electric. F. R. Crane, Jr. No. 1,075,767; Oct. 14; Gaz. vol. 195; p. 433.
- Sign, Electric. A. Hoehl. No. 1,077,532; Nov. 4; Gaz. vol. 196; p. 103.
- Sign, Electric-writing. H. D. Brown. No. 1,054,336; Feb. 25; Gaz. vol. 187; p. 964.
- Sign, Electrically-illuminated. J. M. Loughlin. No. 1,064,506; June 10; Gaz. vol. 191; p. 493.
- Sign-fastening. G. Tennie. No. 1,079,617; Nov. 25; Gaz. vol. 196; p. 913.
- Sign-holder. D. A. Brumbaugh. No. 1,061,261; May 13; Gaz. vol. 190; p. 275.
- Sign holder, Display-. F. W. Beckwith. No. 1,080,317; Dec. 2; Gaz. vol. 197; p. 139.
- Sign, Illuminated. W. R. Huston. No. 1,051,234; Jan. 21; Gaz. vol. 186; p. 722.
- Sign, Illuminated. J. M. Williams, Jr. No. 1,054,954; Mar. 4; Gaz. vol. 188; p. 101.
- Sign, Illuminated. R. R. and W. K. Wiley and W. S. Hough, Jr. (Reissue.) No. 1,3558; Apr. 29; Gaz. vol. 189; p. 1249.
- Sign, Illuminated. R. P. Jarvis. No. 1,064,911; June 17; Gaz. vol. 191; p. 662.
- Sign, Illuminated. P. L. Ferguson and J. W. Wheelwright. No. 1,076,566; Oct. 21; Gaz. vol. 195; p. 738.
- Sign, Illuminated. R. R. and W. K. Wiley and W. S. Hough, Jr. No. 1,081,800; Dec. 16; Gaz. vol. 197; p. 709.
- Sign-illuminator. W. Harris. No. 1,073,346; Sept. 16; Gaz. vol. 194; p. 649.
- Sign, Interchangeable-letter electric. J. W. Ellis. No. 1,066,591; July 8; Gaz. vol. 192; p. 270.
- Sign, Moving. J. B. Hutchinson. No. 1,075,149; Oct. 7; Gaz. vol. 195; p. 193.
- Sign-post. W. H. Filer. No. 1,068,876; July 29; Gaz. vol. 192; p. 1162.
- Sign-receptacle, Electrical. E. H. Freeman. No. 1,079,483; Nov. 25; Gaz. vol. 196; p. 865.
- Sign, Revolving. C. A. Evans. No. 1,077,690; Nov. 4; Gaz. vol. 196; p. 154.
- Sign, Street-. J. Strachan. No. 1,051,354; Jan. 21; Gaz. vol. 186; p. 763.
- Sign, Street-. J. Donovan. No. 1,063,783; June 3; Gaz. vol. 191; p. 212.
- Sign structure, Reversible-. C. B. Mohr. No. 1,081,397; Dec. 16; Gaz. vol. 197; p. 576.
- Sign structure, Sill-. J. Chapin. No. 1,079,469; Nov. 25; Gaz. vol. 196; p. 860.
- Sign structure, Wall-. J. Chapin. No. 1,057,117; Mar. 25; Gaz. vol. 188; p. 936.
- Sign-supporting frame, Sectional. C. F. Brehmer and O. Kneidler. No. 1,057,800; Apr. 1; Gaz. vol. 189; p. 138.
- Sign, Vehicle-. V. L. Wallace. No. 1,065,854; June 24; Gaz. vol. 191; p. 1016.
- Signs, Circuit-controller for electric. F. C. Brodie. No. 1,080,535; Dec. 9; Gaz. vol. 197; p. 248.
- Signs, Making. N. A. Rachliss. No. 1,074,461; Sept. 30; Gaz. vol. 194; p. 1077.
- Signs, &c., Mechanism for producing gas-lighted flash-. T. Jackson. No. 1,069,702; Aug. 12; Gaz. vol. 193; p. 240.
- Signs, Mechanism for producing gas-lighted flash-. T. Jackson. No. 1,073,420; Sept. 16; Gaz. vol. 194; p. 674.
- Signs on mirrors, Making. P. Anderson. No. 1,053,937; Feb. 18; Gaz. vol. 187; p. 791.
- Signalgraph. F. A. Johnson. No. 1,066,115; July 1; Gaz. vol. 192; p. 74.
- Signal: See Alarm-signal; Automobile-signal; Baling-press signal; Block-signal; Clock-signal; Crossing-signal; Danger-signal; Display-signal; Drawer-signal; Electric signal; Elevator-signal; Mail-box supply-signal; Marine signal; Railway-signal; Railway-cab signal; Railway-crossing signal; Railway danger-signal; Railway electric signal; Semaphore-signal; Telephone-signal; Telephone time-signal; Train-signal; Vehicle-signal; Visual signal.
- Signal. D. I. Kelly. No. 1,075,109; Oct. 7; Gaz. vol. 195; p. 179.
- Signal apparatus. C. Williamson. No. 1,078,978; Nov. 18; Gaz. vol. 196; p. 661.
- Signal apparatus, Light-. G. Dalén. No. 1,079,544; Nov. 25; Gaz. vol. 196; p. 885.
- Signal apparatus, Time-. C. Schaumburg. No. 1,068,395; July 22; Gaz. vol. 192; p. 954.
- Signal-box. C. E. Beach and H. W. Doughty. No. 1,079,309; Nov. 18; Gaz. vol. 196; p. 774.
- Signal-box, Electric. J. Derby. No. 1,060,539; Apr. 29; Gaz. vol. 189; p. 1238.
- Signal-control mechanism. W. Michael. No. 1,066,300; July 1; Gaz. vol. 192; p. 142.
- Signal device. E. F. Timm. No. 1,055,000; Mar. 4; Gaz. vol. 188; p. 118.
- Signal device. C. F. Marston. No. 1,065,884; June 24; Gaz. vol. 191; p. 1026.
- Signal device, Electric safety. J. A. Schellenger. No. 1,063,741; June 3; Gaz. vol. 191; p. 198.
- Signal device, Safety. E. J. Dunne. No. 1,054,186; Feb. 25; Gaz. vol. 187; p. 914.
- Signal device, Total-. H. Ellis. No. 1,065,792; June 24; Gaz. vol. 191; p. 995.
- Signal device, Vehicle. A. H. Lewis. No. 1,054,007; Feb. 25; Gaz. vol. 187; p. 853.
- Signal-display. P. J. Chase. No. 1,058,219; Apr. 8; Gaz. vol. 189; p. 327.
- Signal-glass holder. F. W. Dressel. No. 1,073,224; Sept. 16; Gaz. vol. 194; p. 605.
- Signal light, Electric fog-. R. C. Douglas. No. 1,077,398; Nov. 4; Gaz. vol. 196; p. 56.
- Signal-lock. D. J. Kavanagh. No. 1,074,955; Oct. 7; Gaz. vol. 195; p. 124.
- Signal mechanism. W. K. Howe. No. 1,071,922; Sept. 2; Gaz. vol. 194; p. 87.
- Signal-sending device. H. O. Rugh. No. 1,065,628; June 24; Gaz. vol. 191; p. 940.
- Signal system. G. S. Williamson. No. 1,063,096; May 27; Gaz. vol. 190; p. 972.
- Signal system. J. H. Mattice. No. 1,070,505; Aug. 19; Gaz. vol. 193; p. 559.
- Signal system. A. N. Hovland. No. 1,073,130; Sept. 16; Gaz. vol. 194; p. 571.
- Signal system, Electric. A. H. Caven. No. 1,066,380; July 1; Gaz. vol. 192; p. 167.
- Signal system, Elevator. N. L. Schloss. No. 1,076,395; Oct. 21; Gaz. vol. 195; p. 676.
- Signal system, Supervisory. F. W. Cole. No. 1,058,724; Apr. 15; Gaz. vol. 189; p. 537.
- Signal system, Watchman's. F. W. Cole. No. 1,058,726; Apr. 15; Gaz. vol. 189; p. 538.
- Signal system, Watchman's. F. W. Cole. No. 1,058,727; Apr. 15; Gaz. vol. 189; p. 538.
- Signal systems, Track-relay for electric. J. J. Ruddick. No. 1,069,027; July 29; Gaz. vol. 192; p. 1212.
- Signal transmitter, Multiple-. C. E. Beach. No. 1,067,711; July 15; Gaz. vol. 192; p. 688.
- Signal-transmitting apparatus, Electric. F. W. Cole. No. 1,058,728; Apr. 15; Gaz. vol. 189; p. 539.
- Signal-wire compensator, Automatic. A. E. Van Ristell. No. 1,052,534; Feb. 11; Gaz. vol. 187; p. 268.
- Signals, Direction-finder for submarine. L. I. Blake. No. 1,051,543; Jan. 28; Gaz. vol. 186; p. 861.
- Signals, Method of and means for giving. T. Broadbent and J. Mates. No. 1,078,823; Nov. 18; Gaz. vol. 196; p. 609.
- Signals, System and apparatus for recording electric. W. W. Alexander and E. T. Keim. No. 1,050,780; Jan. 21; Gaz. vol. 186; p. 565.
- Signaling. R. A. Fessenden. No. 1,050,728; Jan. 14; Gaz. vol. 186; p. 512.
- Signaling. S. J. Kübel. No. 1,062,782; May 27; Gaz. vol. 190; p. 868.
- Signaling, Alternating-current track-circuit. W. K. Howe. No. 1,056,993; Mar. 25; Gaz. vol. 188; p. 893.
- Signaling and controlling device, Alarm. E. H. Bock. No. 1,078,410; Nov. 11; Gaz. vol. 196; p. 436.
- Signaling and controlling system, Train. J. F. Webb, Jr. No. 1,052,632; Feb. 11; Gaz. vol. 187; p. 301.

Alphabetical list of inventions—Continued.

- Signaling and train-stopping combination circuit device, Automatic. C. C. Turner. No. 1,080,088; Dec. 2; Gaz. vol. 197; p. 59.
- Signaling and train-stopping device, Automatic. C. C. Turner. No. 1,080,087; Dec. 2; Gaz. vol. 197; p. 59.
- Signaling apparatus. H. Epstein. No. 1,060,898; May 6; Gaz. vol. 190; p. 116.
- Signaling apparatus and circuits, Electric. F. B. Herzog. No. 1,060,760; May 6; Gaz. vol. 190; p. 67.
- Signaling apparatus, Electric. R. A. Fessenden. No. 1,050,441; Jan. 14; Gaz. vol. 186; p. 417.
- Signaling apparatus, Electrically-controlled. H. W. Aylward. No. 1,081,941; Dec. 23; Gaz. vol. 197; p. 785.
- Signaling apparatus, Elevator. T. Porter. No. 1,075,270; Oct. 7; Gaz. vol. 195; p. 237.
- Signaling apparatus for tramway and other cars, Street. R. F. Murphy. No. 1,067,483; July 15; Gaz. vol. 192; p. 611.
- Signaling apparatus, Vehicle. J. W. Tobin. No. 1,059,012; Apr. 15; Gaz. vol. 189; p. 641.
- Signaling apparatus, Wireless. R. A. Fessenden. No. 1,059,666; Apr. 22; Gaz. vol. 189; p. 898.
- Signaling by electromagnetic waves. R. A. Fessenden. No. 1,080,271; Dec. 2; Gaz. vol. 197; p. 124.
- Signaling-circuits, Controlling system for. C. E. Beach and H. W. Doughty. No. 1,080,246; Dec. 2; Gaz. vol. 197; p. 115.
- Signaling device. R. H. Manson. No. 1,057,752; Apr. 1; Gaz. vol. 189; p. 122.
- Signaling device. H. Bergonzini. No. 1,060,226; Apr. 29; Gaz. vol. 189; p. 1127.
- Signaling device. F. Reed and W. Rickardson. No. 1,062,502; May 20; Gaz. vol. 190; p. 735.
- Signaling device. M. J. Mandelbaum. No. 1,068,255; July 22; Gaz. vol. 192; p. 907.
- Signaling device. G. Fortmann. No. 1,070,028; Aug. 12; Gaz. vol. 193; p. 353.
- Signaling device. L. Abeles. No. 1,070,096; Aug. 12; Gaz. vol. 193; p. 376.
- Signaling device. G. O. B. von Oberstadt. No. 1,071,948; Sept. 2; Gaz. vol. 194; p. 95.
- Signaling device. L. Abeles. No. 1,074,537; Sept. 30; Gaz. vol. 194; p. 1100.
- Signaling device. M. Levison. No. 1,080,287; Dec. 2; Gaz. vol. 197; p. 129.
- Signaling device, Electric. G. Christian. No. 1,059,835; Apr. 22; Gaz. vol. 189; p. 953.
- Signaling device, Electric. W. J. Warder, Jr. No. 1,073,192; Sept. 16; Gaz. vol. 194; p. 592.
- Signaling device, Electrical. C. L. Bopp. No. 1,073,024; Sept. 9; Gaz. vol. 194; p. 498.
- Signaling device for estimating distances. J. U. Smith. No. 1,075,949; Oct. 14; Gaz. vol. 195; p. 494.
- Signaling device for locomotives. C. H. Cobb. No. 1,067,407; July 15; Gaz. vol. 192; p. 585.
- Signaling device, Horn. R. E. Kellogg. No. 1,049,731; Jan. 7; Gaz. vol. 186; p. 141.
- Signaling device, Train. E. M. Jones. No. 1,066,910; July 8; Gaz. vol. 192; p. 379.
- Signaling device, Vehicle. K. Mygatt. No. 1,058,089; Apr. 8; Gaz. vol. 189; p. 282.
- Signaling, Electric. F. W. Lyle. No. 1,061,960; May 13; Gaz. vol. 190; p. 510.
- Signaling, Electric. F. B. Herzog. No. 1,068,387; July 22; Gaz. vol. 192; p. 952.
- Signaling means. J. J. Nielsen. No. 1,064,926; June 17; Gaz. vol. 191; p. 665.
- Signaling, Means for selective. I. F. Manny. No. 1,073,863; Sept. 23; Gaz. vol. 194; p. 847.
- Signaling mechanism. R. T. Reid. No. 1,058,261; Apr. 8; Gaz. vol. 189; p. 341.
- Signaling mechanism. C. E. Beach. No. 1,078,984; Nov. 18; Gaz. vol. 196; p. 663.
- Signaling purposes, Dial-train for distant. W. Rausch. No. 1,056,302; Mar. 18; Gaz. vol. 188; p. 625.
- Signaling, Submarine. L. I. Blake. No. 1,080,098; Dec. 2; Gaz. vol. 197; p. 63.
- Signaling system. H. O. Rugh. No. 1,051,271; Jan. 21; Gaz. vol. 186; p. 735.
- Signaling system. J. M. Johnson. No. 1,053,038; Feb. 11; Gaz. vol. 187; p. 439.
- Signaling system. O. T. Lademan. No. 1,058,872; Apr. 15; Gaz. vol. 189; p. 590.
- Signaling system. H. O. Rugh. No. 1,060,214; Apr. 29; Gaz. vol. 189; p. 1122.
- Signaling system. C. E. Beach. No. 1,062,381; May 20; Gaz. vol. 190; p. 691.
- Signaling system. H. O. Rugh. No. 1,064,997; June 17; Gaz. vol. 191; p. 690.
- Signaling system. C. A. Larson. No. 1,067,527; July 15; Gaz. vol. 192; p. 625.
- Signaling system. E. R. Gill. No. 1,070,371; Aug. 12; Gaz. vol. 193; p. 471.
- Signaling system. J. L. Hall. No. 1,071,046; Aug. 26; Gaz. vol. 193; p. 772.
- Signaling system. H. W. Doughty. No. 1,073,335; Sept. 16; Gaz. vol. 194; p. 644.
- Signaling system. H. G. Webster. No. 1,078,229; Nov. 11; Gaz. vol. 196; p. 370.
- Signaling system. C. E. Beach. No. 1,078,985; Nov. 18; Gaz. vol. 196; p. 664.
- Signaling system. J. Olsen. No. 1,082,436; Dec. 23; Gaz. vol. 197; p. 956.
- Signaling system, Electric. E. R. Lundius. No. 1,064,976; June 17; Gaz. vol. 191; p. 684.
- Signaling system, Electric. R. H. Manson. No. 1,065,151; June 17; Gaz. vol. 191; p. 740.
- Signaling system, Electric. R. M. Hopkins. No. 1,075,421; Oct. 14; Gaz. vol. 195; p. 314.
- Signaling system, Electric. C. E. Lee. No. 1,076,896; Oct. 28; Gaz. vol. 195; p. 908.
- Signaling system, Electric. J. D. Taylor. (Reissue.) No. 13,663; Dec. 23; Gaz. vol. 197; p. 973.
- Signaling system, Electric cab. J. W. Tatum. No. 1,066,681; July 8; Gaz. vol. 192; p. 301.
- Signaling system, Electrical. H. Bewlay. No. 1,081,572; Dec. 16; Gaz. vol. 197; p. 633.
- Signaling system for party-lines. R. F. Spamer. No. 1,071,652; Aug. 26; Gaz. vol. 193; p. 974.
- Signaling system, Selective. J. McFell. No. 1,051,148; Jan. 21; Gaz. vol. 186; p. 694.
- Signaling system, Selective. H. O. Rugh. No. 1,051,270; Jan. 21; Gaz. vol. 186; p. 734.
- Signaling system, Selective. W. E. Harkness. No. 1,058,176; Apr. 8; Gaz. vol. 189; p. 313.
- Signaling system, Selective. C. S. Rhoads, Jr. No. 1,060,212; Apr. 29; Gaz. vol. 189; p. 1122.
- Signaling system, Selective. A. C. Reid. No. 1,069,347; Aug. 5; Gaz. vol. 193; p. 91.
- Signaling system, Selective. J. McFell. No. 1,076,303; Oct. 21; Gaz. vol. 195; p. 644.
- Signaling system, Space. H. F. Perkins. No. 1,074,456; Sept. 30; Gaz. vol. 194; p. 1075.
- Signaling system, Wireless. C. D. Ehret. No. 1,080,544; Dec. 9; Gaz. vol. 197; p. 251.
- Signaling systems, Transmitter for selective. V. Durbin. No. 1,053,584; Feb. 18; Gaz. vol. 187; p. 673.
- Signaling track conditions, Mechanism for. J. M. and B. T. Matsler. No. 1,062,022; May 20; Gaz. vol. 190; p. 573.
- Signaling, Wireless. R. A. Fessenden. No. 1,074,423; Sept. 30; Gaz. vol. 194; p. 1064.
- Signature-gatherer. E. R. Kast. No. 1,081,838; Dec. 16; Gaz. vol. 197; p. 724.
- Signature-gathering machine. C. A. Juengst. No. 1,049,492; Jan. 7; Gaz. vol. 186; p. 58.
- Signature-gathering machine. C. A. Juengst. No. 1,071,555; Aug. 26; Gaz. vol. 193; p. 941.
- Signature-gathering or other machine. C. A. Juengst. No. 1,068,778; July 29; Gaz. vol. 192; p. 1125.
- Silicidizing. F. J. Tone and T. B. Allen. No. 1,054,372; Feb. 25; Gaz. vol. 187; p. 977.
- Silicidizing articles containing carbon. F. J. Tone. No. 1,054,373; Feb. 25; Gaz. vol. 187; p. 977.
- Silicious material of low density. W. C. Arsem. No. 1,077,950; Nov. 4; Gaz. vol. 196; p. 244.
- Silicon and by-products, Producing elementary. F. J. Machalske. No. 1,062,982; May 27; Gaz. vol. 190; p. 934.
- Silicon and nitrogen and producing such compounds, Compounds containing. C. Bosch and A. Mittasch. No. 1,054,901; Mar. 4; Gaz. vol. 188; p. 85.
- Silicon article. T. B. Allen. No. 1,073,560; Sept. 16; Gaz. vol. 194; p. 721.
- Silicon-carbid article and making same. E. S. Smith and F. J. Tone. No. 1,058,800; Apr. 15; Gaz. vol. 189; p. 564.
- Silicon, Manufacture of. T. B. Allen and F. J. Tone. No. 1,061,256; May 13; Gaz. vol. 190; p. 273.
- Silk, Preserving tin-weighted. E. Meili. No. 1,051,157; Jan. 14; Gaz. vol. 186; p. 318.
- Silk threads from cellulose, Manufacture of artificial. E. Bechtel. No. 1,066,785; July 8; Gaz. vol. 192; p. 338.
- Silo. J. Brink. No. 1,049,989; Jan. 7; Gaz. vol. 186; p. 226.
- Silo. W. C. Curry. No. 1,050,007; Jan. 7; Gaz. vol. 186; p. 233.
- Silo. P. J. Hindmarsh. No. 1,050,022; Jan. 7; Gaz. vol. 186; p. 238.
- Silo. W. F. Kint. No. 1,050,953; Jan. 21; Gaz. vol. 186; p. 628.
- Silo. P. M. Ford. No. 1,051,721; Jan. 28; Gaz. vol. 186; p. 920.
- Silo. G. M. Le Count, J. D. McKenney, and R. W. Kinyon. No. 1,052,671; Feb. 11; Gaz. vol. 187; p. 315.
- Silo. J. G. Brauchla. No. 1,054,085; Feb. 25; Gaz. vol. 187; p. 878.
- Silo. F. J. McArthur. No. 1,056,289; Mar. 18; Gaz. vol. 188; p. 620.
- Silo. H. Diebel. No. 1,058,949; Apr. 15; Gaz. vol. 189; p. 617.
- Silo. C. E. Webster. No. 1,059,794; Apr. 22; Gaz. vol. 189; p. 940.
- Silo. C. A. Roose. No. 1,062,256; May 20; Gaz. vol. 190; p. 653.
- Silo. W. H. Ludwig. No. 1,075,360; Oct. 14; Gaz. vol. 195; p. 293.

Alphabetical list of inventions—Continued.

- Silo. G. P. Winsall. No. 1,076,729; Oct. 28; Gaz. vol. 195; p. 848.
- Silo. F. B. Potter. No. 1,078,874; Nov. 18; Gaz. vol. 196; p. 627.
- Silo and building-tile therefor. J. Merley. No. 1,076,597; Oct. 21; Gaz. vol. 195; p. 748.
- Silo and like receptacle. C. J. Lawless. No. 1,072,387; Sept. 2; Gaz. vol. 194; p. 243.
- Silo-door. C. J. Perkins. No. 1,081,863; Dec. 16; Gaz. vol. 197; p. 731.
- Silo, Non-freezing. W. Blake. No. 1,051,068; Jan. 21; Gaz. vol. 186; p. 667.
- Silo-reinforcement. S. E. Anderson. No. 1,077,949; Nov. 4; Gaz. vol. 196; p. 244.
- Silos and the like, Closure for exit-orifices of. E. Züblin. No. 1,061,579; May 13; Gaz. vol. 190; p. 386.
- Silos and tanks, Inside brace for. E. E. Reed. No. 1,074,645; Oct. 7; Gaz. vol. 195; p. 20.
- Silos, Feed-delivering attachment for. S. M. Scott. No. 1,068,176; July 22; Gaz. vol. 192; p. 878.
- Silos, Sectional roof construction for. H. M. Thayer. No. 1,082,157; Dec. 30; Gaz. vol. 197; p. 1233.
- Silver and other metal articles, Method of and means for cleaning the surfaces of. A. Rosenberg. No. 1,049,603; Jan. 7; Gaz. vol. 186; p. 98.
- Silver-cleaner. J. L. Ennis. No. 1,074,782; Oct. 7; Gaz. vol. 195; p. 68.
- Silver, Sterling. E. D. Gleason. No. 1,075,642; Oct. 14; Gaz. vol. 195; p. 392.
- Silver utensils, Polishing. J. Uebersax. No. 1,063,478; June 3; Gaz. vol. 191; p. 104.
- Silverware-cleaning device. J. W. Phillips. No. 1,071,338; Aug. 26; Gaz. vol. 193; p. 870.
- Single-acting engine. B. Brazelle. No. 1,065,339; June 24; Gaz. vol. 191; p. 841.
- Sink. G. Zuber. No. 1,053,466; Feb. 18; Gaz. vol. 187; p. 631.
- Sink and laundry-tray, Combined. H. B. Hiteshew. No. 1,069,698; Aug. 12; Gaz. vol. 193; p. 239.
- Sink, Kitchen-. F. G. Lane. No. 1,071,324; Aug. 26; Gaz. vol. 193; p. 865.
- Sink-stopper. G. A. Coté. No. 1,081,434; Dec. 16; Gaz. vol. 197; p. 588.
- Sinks, Outlet connection for. C. O. Schoonover. No. 1,049,611; Jan. 7; Gaz. vol. 186; p. 101.
- Sinks, stationary washtubs, and the like, Attachment for. E. D. Moore. No. 1,052,363; Feb. 4; Gaz. vol. 187; p. 175.
- Sinker. F. E. Chester. No. 1,068,409; July 29; Gaz. vol. 192; p. 998.
- Sintering or roasting furnace. M. H. Kauffman. No. 1,050,079; Jan. 7; Gaz. vol. 186; p. 258.
- Sintering refractory materials, Process and apparatus for. G. Weintraub and H. Rush. No. 1,071,488; Aug. 26; Gaz. vol. 193; p. 919.
- Sintering, Treating materials for. Q. Bent, B. Barnhart, and J. B. Ladd. No. 1,078,988; Nov. 18; Gaz. vol. 196; p. 665.
- Siphon. A. Bernard-Schmolle. No. 1,056,394; Mar. 18; Gaz. vol. 188; p. 654.
- Siphon. E. S. Chase. No. 1,078,995; Nov. 18; Gaz. vol. 196; p. 668.
- Siphon and starting device therefor. W. F. Stuart. No. 1,083,228; Dec. 30; Gaz. vol. 197; p. 1255.
- Siphon-charging mechanism. H. S. Winsor. No. 1,063,145; May 27; Gaz. vol. 190; p. 988.
- Siphon for dispensing liquids. A. E. Schatz. No. 1,054,037; Feb. 25; Gaz. vol. 187; p. 862.
- Siphon for dispensing liquids. A. Kleinfeldt. No. 1,072,239; Sept. 2; Gaz. vol. 194; p. 193.
- Siphon-head. J. A. Schultz, Jr. No. 1,059,912; Apr. 22; Gaz. vol. 189; p. 977.
- Siphon-head. C. De Lukacsevics. No. 1,061,857; May 13; Gaz. vol. 190; p. 475.
- Siphon-head. J. A. Schultz, Jr. No. 1,064,092; June 10; Gaz. vol. 191; p. 350.
- Siphon, Intermittently-acting double. J. Herzfeld. No. 1,077,471; Nov. 4; Gaz. vol. 196; p. 82.
- Siphon-recorder. S. G. Brown. No. 1,080,412; Dec. 2; Gaz. vol. 197; p. 175.
- Siphon, Regulated. J. Ferrero. No. 1,068,995; July 29; Gaz. vol. 192; p. 1201.
- Siphon, Timed. L. E. Rein. No. 1,063,595; June 3; Gaz. vol. 191; p. 146.
- Siphons for aerated liquids, Head of. W. T. W. Idris. No. 1,049,364; Jan. 7; Gaz. vol. 186; p. 16.
- Siphons, Plural alternating. S. F. Miller and J. W. Cox. No. 1,058,319; Apr. 8; Gaz. vol. 189; p. 362.
- Sizing and preparing same. A. A. Dunham. No. 1,080,143; Dec. 2; Gaz. vol. 197; p. 79.
- Sizing or grading materials, Apparatus for. R. W. Dull. No. 1,058,161; Apr. 8; Gaz. vol. 189; p. 307.
- Sizing-screen, Hydraulic. F. E. Steffy. No. 1,070,552; Aug. 19; Gaz. vol. 193; p. 576.
- Skate. W. Conron. No. 1,054,508; Feb. 25; Gaz. vol. 187; p. 1024.
- Skate. C. A. Nordling. No. 1,070,168; Aug. 12; Gaz. vol. 193; p. 401.
- Skate-clamp. T. Spacie. No. 1,077,893; Nov. 4; Gaz. vol. 196; p. 224.
- Skate, Combination ice and roller. G. Szymański. No. 1,068,829; July 29; Gaz. vol. 192; p. 1145.
- Skate, Roller-. R. Schwarz. No. 1,050,490; Jan. 14; Gaz. vol. 186; p. 435.
- Skate, Roller-. T. Spacie. No. 1,061,951; May 13; Gaz. vol. 190; p. 508.
- Skate, Roller-. C. R. Post. No. 1,066,842; July 8; Gaz. vol. 192; p. 355.
- Skate, Roller-. J. E. McAllister. No. 1,069,968; Aug. 12; Gaz. vol. 193; p. 331.
- Skate, Roller-. F. Finlay. No. 1,071,721; Sept. 2; Gaz. vol. 194; p. 17.
- Skate, Water-. G. Halbow. No. 1,057,731; Apr. 1; Gaz. vol. 189; p. 114.
- Skee. G. Johnson. No. 1,054,352; Feb. 25; Gaz. vol. 187; p. 970.
- Skein or thread holder. N. Madsen. No. 1,076,898; Oct. 28; Gaz. vol. 195; p. 909.
- Skeining-machine. G. A. Berthold. No. 1,068,847; July 29; Gaz. vol. 192; p. 1152.
- Skelp-charging bench. W. F. Clark. No. 1,071,879; Sept. 2; Gaz. vol. 194; p. 72.
- Skid. J. A. McClure. No. 1,064,237; June 10; Gaz. vol. 191; p. 401.
- Skid. R. P. Martin. No. 1,076,593; Oct. 21; Gaz. vol. 195; p. 747.
- Skim-gate pattern. H. H. Lange. No. 1,049,877; Jan. 7; Gaz. vol. 186; p. 190.
- Skimmer for making syrup. O. B. Dees and P. F. McIntosh. No. 1,077,331; Nov. 4; Gaz. vol. 196; p. 31.
- Skin-shaving machine. J. S. Jacobson. No. 1,058,979; Apr. 15; Gaz. vol. 189; p. 628.
- Skins, Machine for cutting the hair or fur of. J. Hess. No. 1,049,358; Jan. 7; Gaz. vol. 186; p. 13.
- Skins, Producing imitation pieced. R. J. Steiner. No. 1,069,588; Aug. 5; Gaz. vol. 193; p. 172.
- Skins, Treatment of. R. Ribot. No. 1,057,173; Mar. 25; Gaz. vol. 188; p. 955.
- Skinning-knife. J. Rouse, Jr. No. 1,051,454; Jan. 28; Gaz. vol. 186; p. 830.
- Skinning-knife. I. T. Carter. No. 1,065,863; June 24; Gaz. vol. 191; p. 1019.
- Skinning-knife, Safety. F. W. Groschopp. No. 1,062,906; May 27; Gaz. vol. 190; p. 910.
- Skinning mechanism, Automatic roll-. L. J. Vechinsky. No. 1,057,468; Apr. 1; Gaz. vol. 189; p. 24.
- Skirt. H. Leibholz. No. 1,065,258; June 17; Gaz. vol. 191; p. 776.
- Skirt. J. Greenwald. No. 1,072,381; Sept. 2; Gaz. vol. 194; p. 241.
- Skirt. M. McCallum. No. 1,082,467; Dec. 23; Gaz. vol. 197; p. 964.
- Skirt-adjusting device. M. F. Heathcock. No. 1,071,414; Aug. 26; Gaz. vol. 193; p. 896.
- Skirt-gage. J. Burdick. No. 1,071,661; Aug. 26; Gaz. vol. 193; p. 977.
- Skirt gage and marker. R. M. Elliott. No. 1,068,046; July 22; Gaz. vol. 192; p. 835.
- Skirt-marker. E. A. Havens. No. 1,077,068; Oct. 28; Gaz. vol. 195; p. 968.
- Skirt-marker. J. G. Zuber. No. 1,077,326; Nov. 4; Gaz. vol. 196; p. 30.
- Skirt-marker, Folding. L. Becker. No. 1,063,766; June 3; Gaz. vol. 191; p. 206.
- Skirt-marking gage. G. Osborne. No. 1,063,467; June 3; Gaz. vol. 191; p. 100.
- Skirt-placket fastener. J. E. Fitzgerald. No. 1,070,953; Aug. 19; Gaz. vol. 193; p. 706.
- Skirt-protector. M. E. Bispham. No. 1,082,792; Dec. 30; Gaz. vol. 197; p. 1114.
- Skirt, Reversible. S. F. Juda. No. 1,076,124; Oct. 21; Gaz. vol. 195; p. 583.
- Skirt, Self-fitting. J. Corn. No. 1,058,039; Apr. 8; Gaz. vol. 189; p. 263.
- Skirt-supporter. L. Lynch. No. 1,065,150; June 17; Gaz. vol. 191; p. 740.
- Skiving-machine. S. G. Ross and F. B. Freeman. No. 1,080,171; Dec. 2; Gaz. vol. 197; p. 89.
- Skiving-machine. H. Lyon. No. 1,080,227; Dec. 2; Gaz. vol. 197; p. 108.
- Skylight. W. A. Mundy. No. 1,053,633; Feb. 18; Gaz. vol. 187; p. 689.
- Skylight and similar structure. O. Kitzelman. No. 1,066,628; July 8; Gaz. vol. 192; p. 282.
- Skylight construction. J. D. Thompson. No. 1,075,388; Oct. 14; Gaz. vol. 195; p. 305.
- Skylight construction. J. B. King. No. 1,081,966; Dec. 23; Gaz. vol. 197; p. 794.
- Skylight, Sliding. A. W. Pirie and F. Ross. No. 1,067,546; July 15; Gaz. vol. 192; p. 632.
- Slabs, Apparatus for forming metal-reinforced composite. G. H. Barbour. No. 1,079,738; Nov. 25; Gaz. vol. 196; p. 954.
- Slack-adjuster. I. Jones. No. 1,057,739; Apr. 1; Gaz. vol. 189; p. 117.
- Slack-adjuster. W. Y. Moffat. No. 1,060,481; Apr. 29; Gaz. vol. 189; p. 1217.
- Slack-adjuster. W. Y. Moffat. No. 1,060,482; Apr. 29; Gaz. vol. 189; p. 1218.

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- Slack-adjuster. J. O. Mars. No. 1,060,613; May 6; Gaz. vol. 190; p. 17.
- Slack-adjuster, Pneumatic. C. P. Cass. No. 1,055,444; Mar. 11; Gaz. vol. 188; p. 303.
- Slag and similar friable material, Method of and apparatus for handling. D. T. Croxton. No. 1,056,632; Mar. 18; Gaz. vol. 188; p. 739.
- Slag, Making light bricks of blast-furnace. C. H. Schol. No. 1,068,396; July 22; Gaz. vol. 192; p. 954.
- Slag products, Manufacturing. C. H. Schol. No. 1,076,657; Oct. 21; Gaz. vol. 195; p. 771.
- Slag, Treatment of. G. L. Danforth, Jr. No. 1,058,158; Apr. 8; Gaz. vol. 189; p. 306.
- Slag, Treatment of. G. L. Danforth, Jr. No. 1,071,605; Aug. 26; Gaz. vol. 193; p. 958.
- Slate-picker. C. S. Farrer. No. 1,058,854; Apr. 15; Gaz. vol. 189; p. 584.
- Slate-picker, Oscillating. J. T. Norman. No. 1,053,858; Feb. 18; Gaz. vol. 187; p. 763.
- Slate-picking machines, Feed-gate for. C. S. Farrer. No. 1,068,117; July 22; Gaz. vol. 192; p. 857.
- Slates and such like, Machine for the manufacture of artificial. E. Prosig. No. 1,060,122; Apr. 29; Gaz. vol. 189; p. 1091.
- Slaw or kraut cutter. W. H. Emanuel. No. 1,079,226; Nov. 18; Gaz. vol. 196; p. 748.
- Sled. D. E. Riley and C. D. Powell. No. 1,053,876; Feb. 18; Gaz. vol. 187; p. 770.
- Sled. J. J. Wheelen. No. 1,060,523; Apr. 29; Gaz. vol. 189; p. 1231.
- Sled. J. C. Van Aken. No. 1,062,204; May 20; Gaz. vol. 190; p. 636.
- Sled. S. L. Allen. No. 1,066,173; July 1; Gaz. vol. 192; p. 95.
- Sled. O. L. Beardsley. No. 1,066,445; July 1; Gaz. vol. 192; p. 187.
- Sled. J. Buckley. No. 1,069,761; Aug. 12; Gaz. vol. 193; p. 261.
- Sled. C. B. Mercer. No. 1,070,158; Aug. 12; Gaz. vol. 193; p. 398.
- Sled. A. Kliment. No. 1,077,082; Oct. 28; Gaz. vol. 195; p. 972.
- Sled. R. Kelly. No. 1,080,457; Dec. 2; Gaz. vol. 197; p. 189.
- Sled. C. Stark. No. 1,082,565; Dec. 30; Gaz. vol. 197; p. 1033.
- Sled, Bob-. G. A. Metzlig. No. 1,056,040; Mar. 18; Gaz. vol. 188; p. 536.
- Sled-brake. J. H. Mannas. No. 1,070,503; Aug. 19; Gaz. vol. 193; p. 559.
- Sled, Endless-chain auto-. J. F. K. Otto. No. 1,068,071; July 22; Gaz. vol. 192; p. 843.
- Sled, Flexible. J. C. Minish. No. 1,051,614; Jan. 28; Gaz. vol. 186; p. 885.
- Sled, Flexible. J. C. Minish. No. 1,075,846; Oct. 14; Gaz. vol. 195; p. 459.
- Sled, Power-propelled. A. Anderson. No. 1,069,514; Aug. 5; Gaz. vol. 193; p. 148.
- Sled-runner. T. J. Strupp. No. 1,049,548; Jan. 7; Gaz. vol. 186; p. 79.
- Sled-runner, One-piece. G. W. Reeve. No. 1,049,601; Jan. 7; Gaz. vol. 186; p. 98.
- Sled-stake and logging-bunk, Combined. W. A. Humphrey. No. 1,082,425; Dec. 23; Gaz. vol. 197; p. 952.
- Sled, Steering-. W. R. and W. H. Maul. No. 1,052,734; Feb. 11; Gaz. vol. 187; p. 333.
- Sled steering and braking mechanism. H. R. Curwen. No. 1,055,883; Mar. 11; Gaz. vol. 188; p. 449.
- Sleds, Propeller for self-propelled. C. B. Rastello. No. 1,073,520; Sept. 16; Gaz. vol. 194; p. 706.
- Sledge. R. Reisinger. No. 1,070,915; Aug. 19; Gaz. vol. 193; p. 694.
- Sleeping-bag. A. Fiala. No. 1,064,630; June 10; Gaz. vol. 191; p. 534.
- Sleet-cutter. C. J. Smith. No. 1,057,179; Mar. 25; Gaz. vol. 188; p. 957.
- Sleeve-board. J. H. D. Everett. No. 1,049,469; Jan. 7; Gaz. vol. 186; p. 51.
- Sleeve, Garment-. J. J. Cronin. No. 1,066,713; July 8; Gaz. vol. 192; p. 313.
- Sleeve, Shirt-. A. Paradis. No. 1,066,219; July 1; Gaz. vol. 192; p. 113.
- Sleigh and go-cart, Convertible. J. G. Raithel. No. 1,056,938; Mar. 25; Gaz. vol. 188; p. 874.
- Sleigh and wheeled vehicle, Combination. W. E. Wise. No. 1,079,201; Nov. 18; Gaz. vol. 196; p. 740.
- Sleigh attachment for power-driven vehicles. A. Vettel, Jr. No. 1,065,011; June 17; Gaz. vol. 191; p. 695.
- Sleigh-brake, Automatic. H. M. and M. Sines. No. 1,077,919; Nov. 4; Gaz. vol. 196; p. 232.
- Sleigh, Convertible. W. Beilstein. No. 1,062,760; May 27; Gaz. vol. 190; p. 861.
- Sleigh, Motor-. J. Chesney. No. 1,055,609; Mar. 11; Gaz. vol. 188; p. 355.
- Sleigh-propeller. W. McMeans. No. 1,071,772; Sept. 2; Gaz. vol. 194; p. 36.
- Sleigh-runner. W. Kealy. No. 1,059,613; Apr. 22; Gaz. vol. 189; p. 880.
- Sleigh-runner. G. C. McGaughy. No. 1,078,936; Nov. 18; Gaz. vol. 196; p. 646.
- Sleigh-runners for go-carts and the like. E. C. Gledhill. No. 1,077,524; Nov. 4; Gaz. vol. 196; p. 101.
- Sleigh-runners, Means for attaching draft-bars to. C. M. Erickson. No. 1,080,960; Dec. 9; Gaz. vol. 197; p. 394.
- Sleigh, Self-propelled. A. J. Danney. No. 1,075,465; Oct. 14; Gaz. vol. 195; p. 331.
- Slicer, Bread-. W. H. Italy. No. 1,064,650; June 10; Gaz. vol. 191; p. 540.
- Slicer, Bread-. F. H. Hamblin. No. 1,072,450; Sept. 9; Gaz. vol. 194; p. 294.
- Slicer, Meat-. L. Linkiewicz. No. 1,079,778; Nov. 25; Gaz. vol. 196; p. 970.
- Slicer, Vegetable-. V. Beauregard. No. 1,060,809; May 6; Gaz. vol. 190; p. 83.
- Slicing bread and spreading butter, jam, meat-pulp, &c., thereon, Machine for. W. Bagguley. No. 1,082,146; Dec. 23; Gaz. vol. 197; p. 854.
- Slicing device, Butter-. B. Iitsuka. No. 1,073,761; Sept. 23; Gaz. vol. 194; p. 815.
- Slicing-machine. W. B. Wolff. No. 1,054,736; Mar. 4; Gaz. vol. 188; p. 28.
- Slicing-machine. W. C. Anderson and A. R. Thompson. No. 1,062,378; May 20; Gaz. vol. 190; p. 694.
- Slicing-machine. G. Murl. No. 1,064,366; June 10; Gaz. vol. 191; p. 443.
- Slicing-machine. A. R. Luschka. No. 1,069,274; Aug. 5; Gaz. vol. 193; p. 66.
- Slicing machine, Meat-. J. C. Van Berkel. No. 1,057,188; Mar. 25; Gaz. vol. 188; p. 960.
- Slicing machine, Meat-. G. W. Kone. No. 1,065,052; June 17; Gaz. vol. 191; p. 707.
- Slicing-machines, Meat-holder for. E. F. Smith. No. 1,049,932; Jan. 7; Gaz. vol. 186; p. 207.
- Slicing pickles and the like, Machine for. S. G. Lipscomb. No. 1,072,628; Sept. 9; Gaz. vol. 194; p. 355.
- Slide-gate. R. C. Force. No. 1,054,103; Feb. 25; Gaz. vol. 187; p. 884.
- Slide-gate. K. J. Thorsby. No. 1,054,150; Feb. 25; Gaz. vol. 187; p. 900.
- Slide-gate. R. C. Force and S. Burne. No. 1,078,271; Nov. 11; Gaz. vol. 196; p. 385.
- Slide joint and valve, Adjustable. J. F. Spjut. No. 1,070,993; Aug. 19; Gaz. vol. 193; p. 719.
- Slide-valve engine. W. L. Carey. No. 1,056,736; Mar. 18; Gaz. vol. 188; p. 774.
- Sliding bolt. F. B. Stillwell. No. 1,056,228; Mar. 18; Gaz. vol. 188; p. 600.
- Sliding seat. W. J. Slefel. No. 1,067,789; July 15; Gaz. vol. 192; p. 714.
- Slime-concentrator. W. F. Deister. No. 1,071,714; Sept. 2; Gaz. vol. 194; p. 15.
- Slime-dewatering gravity device. I. F. Monell. No. 1,074,192; Sept. 30; Gaz. vol. 194; p. 987.
- Slime, Draining and utilizing. F. Richter. No. 1,064,773; June 17; Gaz. vol. 191; p. 618.
- Slip-cover can. W. L. Laskey. No. 1,073,859; Sept. 23; Gaz. vol. 194; p. 846.
- Slipper, Washable. A. Hale. No. 1,057,826; Apr. 1; Gaz. vol. 189; p. 148.
- Slipper, Washable. H. C. Fulton. No. 1,066,596; July 8; Gaz. vol. 192; p. 271.
- Slitting and folding machine. H. W. Hanan and J. H. Gates. No. 1,078,348; Nov. 11; Gaz. vol. 196; p. 413.
- Slitting and rewinding machine. J. A. Cameron and G. B. Birch. No. 1,076,189; Oct. 21; Gaz. vol. 195; p. 605.
- Slop, Desiccating. C. E. Geiger. No. 1,057,142; Mar. 25; Gaz. vol. 188; p. 945.
- Slot-machine. C. A. Breyfogle. No. 1,053,473; Feb. 18; Gaz. vol. 187; p. 634.
- Slot-machine. A. H. Bowman. No. 1,057,322; Mar. 25; Gaz. vol. 188; p. 1004.
- Slotting-machine. T. W. Allen and M. L. Veatch. No. 1,050,198; Jan. 14; Gaz. vol. 186; p. 331.
- Sludge, Drying. K. Imhoff. No. 1,056,548; Mar. 18; Gaz. vol. 188; p. 711.
- Sludge, Treating. E. Steuer. No. 1,071,367; Aug. 26; Gaz. vol. 193; p. 880.
- Slug-casting machines, Slug-delivery for. H. A. W. Wood. No. 1,075,180; Oct. 7; Gaz. vol. 195; p. 204.
- Slugging, nailing, or like machines, Horn-operating mechanism of. M. T. Denne. No. 1,056,405; Mar. 18; Gaz. vol. 188; p. 658.
- Sluice-gate, Rolling. J. T. Köster. No. 1,073,424; Sept. 16; Gaz. vol. 194; p. 674.
- Sluice or valve gate, Cross-hung self-balancing. G. Larson. No. 1,075,428; Oct. 14; Gaz. vol. 195; p. 317.
- Small-arm. R. H. Quisting. No. 1,074,201; Sept. 30; Gaz. vol. 194; p. 990.
- Small-arms and ordnance, Sighting of. H. Ommundsen. No. 1,055,551; Mar. 11; Gaz. vol. 188; p. 337.
- Small-arms, Sight for. H. W. Holland and W. Mansfield. No. 1,073,491; Sept. 16; Gaz. vol. 194; p. 698.
- Small-arms, Support for. O. Boecker. No. 1,072,203; Sept. 2; Gaz. vol. 194; p. 182.
- Smash-protector. L. H. Landry. No. 1,071,244; Aug. 26; Gaz. vol. 193; p. 839.
- Smelting and refining furnace, Ore. W. M. Bowles and C. O. Allen. No. 1,073,468; Sept. 16; Gaz. vol. 194; p. 691.

Alphabetical list of inventions—Continued.

- Smelting, Electric. G. H. Benjamin. No. 1,051,065; Jan. 21; Gaz. vol. 186; p. 666.
- Smelting-furnace. C. A. Kuenzel. No. 1,067,481; July 15; Gaz. vol. 192; p. 610.
- Smelting-furnace. O. S. and O. J. D. Emberg. No. 1,069,326; Aug. 5; Gaz. vol. 193; p. 83.
- Smelting-furnace. K. O. E. Olsson. No. 1,081,912; Dec. 16; Gaz. vol. 197; p. 746.
- Smelting, Hydro-electric. A. Tommasini. No. 1,050,255; Jan. 14; Gaz. vol. 186; p. 351.
- Smelting iron ores. F. M. McClenahan. No. 1,066,833; July 8; Gaz. vol. 192; p. 352.
- Smelting metals. J. D. Hilliard. No. 1,080,344; Dec. 2; Gaz. vol. 197; p. 150.
- Smelting or refining of metals and the like in crucibles. H. G. Solomon. No. 1,081,164; Dec. 9; Gaz. vol. 197; p. 459.
- Smelting volatile metals, Electrically. W. M. Johnson. No. 1,080,912; Dec. 9; Gaz. vol. 197; p. 377.
- Smoke-abater, Retort. O. D. Orvis. No. 1,058,014; Apr. 1; Gaz. vol. 189; p. 212.
- Smoke and dust consumer. J. Lyons. No. 1,066,930; July 8; Gaz. vol. 192; p. 387.
- Smoke and fume recorder. W. W. Strong. No. 1,071,532; Aug. 26; Gaz. vol. 193; p. 934.
- Smoke-burner, Sectional. R. C. Wade. No. 1,057,020; Mar. 25; Gaz. vol. 188; p. 903.
- Smoke-cleaning device. C. E. Barry. No. 1,078,659; Nov. 18; Gaz. vol. 196; p. 550.
- Smoke-consumer. C. Snow. No. 1,050,866; Jan. 21; Gaz. vol. 186; p. 596.
- Smoke-consumer. J. H. Ottman. No. 1,059,559; Apr. 22; Gaz. vol. 189; p. 863.
- Smoke-consumer. A. E. Wilson. No. 1,060,051; Apr. 29; Gaz. vol. 189; p. 1068.
- Smoke-consumer. I. Therrien. No. 1,061,143; May 6; Gaz. vol. 190; p. 200.
- Smoke-consumer. C. A. Rush. No. 1,061,502; May 13; Gaz. vol. 190; p. 357.
- Smoke-consumer. W. Kelly. No. 1,062,473; May 20; Gaz. vol. 190; p. 724.
- Smoke-consumer. E. Leslie. No. 1,063,130; May 27; Gaz. vol. 190; p. 983.
- Smoke-consumer. L. Bayer. No. 1,063,320; June 3; Gaz. vol. 191; p. 51.
- Smoke-consumer. T. E. Lappage. No. 1,069,270; Aug. 5; Gaz. vol. 193; p. 64.
- Smoke-consumer. P. F. Schaller and C. Sundt. No. 1,070,185; Aug. 12; Gaz. vol. 193; p. 407.
- Smoke-consumer. J. H. Hanlon. No. 1,070,251; Aug. 12; Gaz. vol. 193; p. 429.
- Smoke-consumer. C. A. Schofield and C. F. Miller. No. 1,070,543; Aug. 19; Gaz. vol. 193; p. 573.
- Smoke-consumer. D. H. Cowherd. No. 1,079,692; Nov. 25; Gaz. vol. 196; p. 937.
- Smoke-consumer. A. J. Wilkins. No. 1,081,417; Dec. 16; Gaz. vol. 197; p. 583.
- Smoke-consumer. G. Fitters. No. 1,083,075; Dec. 30; Gaz. vol. 197; p. 1209.
- Smoke-consumer. J. O. Richard. No. 1,083,138; Dec. 30; Gaz. vol. 197; p. 1228.
- Smoke-consumer and fuel-economizer. H. C. Gardner. No. 1,050,639; Jan. 14; Gaz. vol. 186; p. 484.
- Smoke-consumer and fume-arrester. J. J. De Mont. No. 1,056,011; Mar. 18; Gaz. vol. 188; p. 526.
- Smoke-consuming mechanism. D. D. Keltner. No. 1,078,927; Nov. 18; Gaz. vol. 196; p. 644.
- Smoke-consuming system. E. G. Hatch. No. 1,064,477; June 10; Gaz. vol. 191; p. 483.
- Smoke-consuming system. E. G. Hatch. No. 1,064,478; June 10; Gaz. vol. 191; p. 484.
- Smoke from furnaces and the like, Apparatus for the treatment of. W. L. Thomas. No. 1,082,245; Dec. 23; Gaz. vol. 197; p. 890.
- Smoke-house. J. C. Hutton. No. 1,052,255; Feb. 4; Gaz. vol. 187; p. 142.
- Smoke-jack. J. B. Cox. No. 1,070,420; Aug. 19; Gaz. vol. 193; p. 529.
- Smoke-preventer. G. H. Maynard. No. 1,067,826; July 22; Gaz. vol. 192; p. 761.
- Smoke-preventing device and economizer for locomotives. E. Kohan. No. 1,053,044; Feb. 11; Gaz. vol. 187; p. 442.
- Smoke-producing device for routing wild animals. A. M. Ahern. No. 1,073,384; Sept. 16; Gaz. vol. 194; p. 661.
- Smoke-purifier. H. J. Delaney. No. 1,067,321; July 15; Gaz. vol. 192; p. 557.
- Smoke-separator. C. F. Holmes. No. 1,081,116; Dec. 9; Gaz. vol. 197; p. 442.
- Smoke-stack fan attachment. C. K. Chatterton. No. 1,072,698; Sept. 9; Gaz. vol. 194; p. 380.
- Smokers' articles, Mouthpiece for. J. Austin. No. 1,073,315; Sept. 16; Gaz. vol. 194; p. 637.
- Smoker's pipe. G. Everett. No. 1,056,982; Mar. 25; Gaz. vol. 188; p. 589.
- Smoker's pipe. L. Tufts. No. 1,065,008; June 17; Gaz. vol. 191; p. 693.
- Smoking-pipe. C. R. Banks. No. 1,049,440; Jan. 7; Gaz. vol. 186; p. 42.
- Smoking-pipe. R. Wetzel. No. 1,054,261; Feb. 25; Gaz. vol. 187; p. 938.
- Smoking-pipe. W. E. Davis. No. 1,059,956; Apr. 22; Gaz. vol. 189; p. 993.
- Smoking-pipe. A. F. Rippel. No. 1,061,000; May 6; Gaz. vol. 190; p. 156.
- Smoking-pipe. J. D. Maier. No. 1,077,148; Oct. 28; Gaz. vol. 195; p. 990.
- Smoking-pipe, Magazine. J. W. Crume and A. Austin. No. 1,050,005; Jan. 7; Gaz. vol. 186; p. 232.
- Smoothing or laundry iron. A. Niola. No. 1,068,812; July 29; Gaz. vol. 192; p. 1139.
- Smoothing the ends of fibrous rolls, Means for. C. Ganz. No. 1,058,741; Apr. 15; Gaz. vol. 189; p. 544.
- Snap-fastener. G. H. Cliff. No. 1,059,979; Apr. 29; Gaz. vol. 189; p. 1044.
- Snap-fastener. E. Colegate. No. 1,074,247; Sept. 30; Gaz. vol. 194; p. 1005.
- Snap-fastener. J. P. Williams. No. 1,080,614; Dec. 9; Gaz. vol. 197; p. 273.
- Snap-flask. H. Cubley. No. 1,065,921; July 1; Gaz. vol. 192; p. 5.
- Snap-hook. J. Peters. No. 1,052,272; Feb. 4; Gaz. vol. 187; p. 148.
- Snap-hook. J. Barry. No. 1,059,812; Apr. 22; Gaz. vol. 189; p. 946.
- Snap-hook. J. J. Bayer. No. 1,060,736; May 6; Gaz. vol. 190; p. 60.
- Snap-hook. C. E. Koons. No. 1,062,653; May 27; Gaz. vol. 190; p. 827.
- Snap-hook blank. J. B. Baxter. No. 1,059,814; Apr. 22; Gaz. vol. 189; p. 947.
- Snap, Lock-spring safety-. S. W. Reynolds. No. 1,076,318; Oct. 21; Gaz. vol. 195; p. 650.
- Snap-switch. C. D. Platt. No. 1,054,939; Mar. 4; Gaz. vol. 188; p. 96.
- Snap-switch. J. G. Peterson. No. 1,077,746; Nov. 4; Gaz. vol. 96; p. 173.
- Snap-switch lock attachment. C. D. Platt. No. 1,076,907; Oct. 28; Gaz. vol. 195; p. 911.
- Snap-switch lock attachment. C. D. Platt. No. 1,078,693; Nov. 18; Gaz. vol. 196; p. 563.
- Snatch-block. G. Nissen. No. 1,070,834; Aug. 19; Gaz. vol. 193; p. 669.
- Snatch-block. A. Uren. No. 1,071,115; Aug. 26; Gaz. vol. 193; p. 796.
- Snow and ice flanger. B. F. Lawrence. No. 1,065,453; June 24; Gaz. vol. 191; p. 880.
- Snow-destroyer. P. D. Riordan. No. 1,051,969; Feb. 4; Gaz. vol. 187; p. 42.
- Snow-flanger. E. R. Packer. No. 1,057,084; Mar. 25; Gaz. vol. 188; p. 924.
- Snow-flanger. H. Montgomery. No. 1,057,574; Apr. 1; Gaz. vol. 189; p. 61.
- Snow-guard. A. P. Andersen. No. 1,055,438; Mar. 11; Gaz. vol. 188; p. 301.
- Snow-melting device. H. G. Lapsley. No. 1,073,427; Sept. 16; Gaz. vol. 194; p. 676.
- Snow-plow. J. D. Beaver. No. 1,067,778; July 15; Gaz. vol. 192; p. 710.
- Snow-plow. L. Sims. No. 1,079,369; Nov. 25; Gaz. vol. 196; p. 826.
- Snow plow and shovel, Combined. F. Darling. No. 1,049,812; Jan. 7; Gaz. vol. 186; p. 168.
- Snow-remover. G. H. Mansfield. No. 1,075,154; Oct. 7; Gaz. vol. 195; p. 195.
- Snow-scraper. L. Blake. No. 1,064,282; June 10; Gaz. vol. 191; p. 415.
- Snubbing means, Pneumatic. H. L. Turney and H. A. Kalb. No. 1,051,291; Jan. 21; Gaz. vol. 186; p. 742.
- Soap. T. Anyon. No. 1,064,591; June 10; Gaz. vol. 191; p. 521.
- Soap-dispenser. J. G. Miller. No. 1,061,099; May 6; Gaz. vol. 190; p. 184.
- Soap-dispensing device, Liquid-. C. B. Buerger. No. 1,080,196; Dec. 2; Gaz. vol. 197; p. 97.
- Soap-dispensing machine. H. R. Evans and O. H. Kean. No. 1,060,071; Apr. 29; Gaz. vol. 189; p. 1074.
- Soap-dispensing receptacle. S. F. Kohn. No. 1,059,169; Apr. 15; Gaz. vol. 189; p. 692.
- Soap-drier. E. B. Ayres. No. 1,060,414; Apr. 29; Gaz. vol. 189; p. 1196.
- Soap fixture, Liquid-. E. G. Watrous. No. 1,082,249; Dec. 23; Gaz. vol. 197; p. 891.
- Soap-holder. J. Wilshusen. No. 1,050,504; Jan. 14; Gaz. vol. 186; p. 440.
- Soap-holder. G. W. Ferdon. No. 1,065,436; June 24; Gaz. vol. 191; p. 875.
- Soap holder, Shaving-. T. G. Morgan. No. 1,073,921; Sept. 23; Gaz. vol. 194; p. 868.
- Soap in the form of tablets or the like, Making. M. Castenholz. No. 1,057,931; Apr. 1; Gaz. vol. 189; p. 183.
- Soap, Making. S. S. Krayer. No. 1,049,495; Jan. 7; Gaz. vol. 186; p. 59.
- Soap-slicing apparatus. I. H. Platshek. No. 1,049,598; Jan. 7; Gaz. vol. 186; p. 97.
- Soapsuds and hot-water dispenser. E. M. Burroughs. No. 1,077,590; Nov. 4; Gaz. vol. 196; p. 121.
- Socket, Combination slip-. W. S. Brummett and L. S. Metz. No. 1,081,427; Dec. 16; Gaz. vol. 197; p. 586.

- Socket construction. F. Barr. No. 1,064,424; June 10; Gaz. vol. 191; p. 465.
- Socket-wrench. A. C. Sargent. No. 1,053,536; Feb. 18; Gaz. vol. 187; p. 656.
- Sod-liner. R. M. and A. T. Vardaman. No. 1,072,798; Sept. 9; Gaz. vol. 194; p. 415.
- Soda-fountain. W. M. Wheildon. No. 1,055,432; Mar. 11; Gaz. vol. 188; p. 299.
- Soda-fountain attachment. H. A. Griffin. No. 1,054,534; Feb. 25; Gaz. vol. 187; p. 1031.
- Soda-fountains, Metallic structure for. F. T. Wiechert. No. 1,059,651; Apr. 22; Gaz. vol. 189; p. 893.
- Soda-fountains, Metallic structure for. F. T. Wiechert. No. 1,074,076; Sept. 23; Gaz. vol. 194; p. 920.
- Soda-water, Conveyer for bottled. E. R. Barber. No. 1,075,893; Oct. 14; Gaz. vol. 195; p. 475.
- Soda-water fountain. A. H. Stein. No. 1,056,601; Mar. 18; Gaz. vol. 188; p. 729.
- Soda-water valve. C. F. Freese. No. 1,050,731; Jan. 14; Gaz. vol. 186; p. 513.
- Sodium nitrate from raw material, Extracting. M. R. Lamb. No. 1,065,053; June 17; Gaz. vol. 191; p. 707.
- Sodium-phosphate waste liquors, Purifying. H. Ley. No. 1,049,740; Jan. 7; Gaz. vol. 186; p. 144.
- Sofa, Bed-. J. M. and A. G. Bostrom. No. 1,065,772; June 24; Gaz. vol. 191; p. 989.
- Sofa, Convertible. F. L. Andren. No. 1,058,934; Apr. 15; Gaz. vol. 189; p. 612.
- Softening and filtering apparatus. M. C. Reynolds. No. 1,080,233; Dec. 2; Gaz. vol. 197; p. 110.
- Soil-pipe vented fitting. J. G. Huss. No. 1,052,254; Feb. 4; Gaz. vol. 187; p. 142.
- Soil, Sweetening and fertilizing the. L. Cheeseman. No. 1,076,818; Oct. 28; Gaz. vol. 195; p. 880.
- Soil-treating machine. J. C. Haralson. No. 1,060,548; Apr. 29; Gaz. vol. 189; p. 1241.
- Soja, Manufacturing products from. Y. Y. Li. No. 1,064,841; June 17; Gaz. vol. 191; p. 640.
- Solar heater. T. W. Walker. No. 1,056,861; Mar. 25; Gaz. vol. 188; p. 846.
- Solar heater. F. A. Skiff. No. 1,074,219; Sept. 30; Gaz. vol. 194; p. 996.
- Solder, Aluminum-. R. Selfert. No. 1,052,693; Feb. 11; Gaz. vol. 187; p. 323.
- Solder for aluminum. C. H. Frantz. No. 1,067,016; July 8; Gaz. vol. 192; p. 414.
- Solder for aluminium. C. Willmott. No. 1,078,114; Nov. 11; Gaz. vol. 196; p. 332.
- Solder-fusing machine. W. E. Taylor. No. 1,051,647; Jan. 28; Gaz. vol. 186; p. 896.
- Solder, Soft. J. T. Dwyer. No. 1,059,982; Apr. 29; Gaz. vol. 189; p. 1045.
- Soldering aluminium, Means for. C. E. Steinweg. No. 1,052,761; Feb. 11; Gaz. vol. 187; p. 344.
- Soldering apparatus. W. Ulbrich. No. 1,054,060; Feb. 25; Gaz. vol. 187; p. 870.
- Soldering-block holder. T. G. Lewis. No. 1,067,993; July 22; Gaz. vol. 192; p. 815.
- Soldering-body for joining electric conduits or the like. C. E. Egnér. No. 1,067,415; July 15; Gaz. vol. 192; p. 588.
- Soldering-chain. C. A. Becker. No. 1,081,088; Dec. 9; Gaz. vol. 197; p. 432.
- Soldering chains and wire tissues from wire of solid cross-section, Manufacture of. T. Burck. No. 1,073,090; Sept. 16; Gaz. vol. 194; p. 557.
- Soldering-clamp. J. C. McLaughlin. No. 1,063,816; June 3; Gaz. vol. 191; p. 223.
- Soldering-furnace. F. H. Denicke. No. 1,055,967; Mar. 11; Gaz. vol. 188; p. 477.
- Soldering-furnace. E. T. Burgess. No. 1,075,757; Oct. 14; Gaz. vol. 195; p. 429.
- Soldering-iron. J. Sutorik and J. Ranjak. No. 1,057,684; Apr. 1; Gaz. vol. 189; p. 98.
- Soldering-iron. J. F. Balkus. No. 1,061,803; May 13; Gaz. vol. 190; p. 459.
- Soldering-iron. J. White. No. 1,065,195; June 17; Gaz. vol. 191; p. 754.
- Soldering-iron, Electric. F. M. Giffen. No. 1,061,170; May 6; Gaz. vol. 190; p. 207.
- Soldering-iron, Electric. W. S. Hadaway, Jr. No. 1,075,473; Oct. 14; Gaz. vol. 195; p. 333.
- Soldering-iron, Electric. E. E. Rose. No. 1,075,497; Oct. 14; Gaz. vol. 195; p. 341.
- Soldering-iron, Electric. M. H. Rice. No. 1,079,066; Nov. 18; Gaz. vol. 196; p. 694.
- Soldering-iron, Electrically-heated. M. H. Johnson. No. 1,064,739; June 17; Gaz. vol. 191; p. 608.
- Soldering-iron, Self-heating. R. W. Marvell. No. 1,080,644; Dec. 9; Gaz. vol. 197; p. 283.
- Soldering links of chains. L. F. Britsch. No. 1,060,062; Apr. 29; Gaz. vol. 189; p. 1071.
- Soldering-machine. M. Karp. No. 1,082,270; Dec. 23; Gaz. vol. 197; p. 900.
- Soldering machine, Can-. F. P. McColl. No. 1,052,736; Feb. 11; Gaz. vol. 187; p. 334.
- Soldering machine, Can-. F. P. McColl. No. 1,052,737; Feb. 11; Gaz. vol. 187; p. 334.
- Soldering machine, Can-. F. G. Dickerson and E. A. Simpson. No. 1,064,299; June 10; Gaz. vol. 191; p. 421.
- Soldering machine, Can-body-. P. Kruse. No. 1,050,956; Jan. 21; Gaz. vol. 186; p. 629.
- Soldering seams, Means for. M. Karp. No. 1,058,438; Apr. 8; Gaz. vol. 189; p. 404.
- Soldering-stick. L. Maes. No. 1,078,791; Nov. 18; Gaz. vol. 196; p. 599.
- Soldering-tool. N. I. Dryfoos. No. 1,062,088; May 20; Gaz. vol. 190; p. 596.
- Sole and heel for shoes, Cushioned. W. H. Guy. No. 1,069,001; July 29; Gaz. vol. 192; p. 1203.
- Sole-bridge. J. D. Manblatt. No. 1,077,845; Nov. 4; Gaz. vol. 196; p. 207.
- Sole-compressing apparatus, Leather-. F. T. Millet. No. 1,068,262; July 22; Gaz. vol. 192; p. 909.
- Sole-edge-molding machine. J. E. Reid. No. 1,059,394; Apr. 22; Gaz. vol. 189; p. 806.
- Sole-finishing tool, Shoe-. F. O. Thompson. No. 1,058,644; Apr. 8; Gaz. vol. 189; p. 471.
- Sole for boots or shoes. C. C. Small. No. 1,061,415; May 13; Gaz. vol. 190; p. 327.
- Sole for shoes and boots, Pneumatic. J. P. Kenny. No. 1,056,426; Mar. 18; Gaz. vol. 188; p. 667.
- Sole for slippers, Wool. E. Dillberg. No. 1,060,589; May 6; Gaz. vol. 190; p. 9.
- Sole, Inner or slip. L. W. Chamberlain. No. 1,050,807; Jan. 21; Gaz. vol. 186; p. 574.
- Sole-laying machine. E. E. Winkley. No. 1,081,355; Dec. 16; Gaz. vol. 197; p. 562.
- Sole-leveling machine. E. E. Winkley. No. 1,057,908; Apr. 1; Gaz. vol. 189; p. 175.
- Sole-leveling machine. C. L. Parker. No. 1,082,761; Dec. 30; Gaz. vol. 197; p. 1103.
- Sole-leveling machine, Automatic. E. E. Winkley. No. 1,054,263; Feb. 25; Gaz. vol. 187; p. 939.
- Sole, Noiseless. E. L. Leonard. No. 1,063,205; June 3; Gaz. vol. 191; p. 13.
- Sole-plate and railway-tie, Combination. G. H. J. Maas. No. 1,078,297; Nov. 11; Gaz. vol. 196; p. 395.
- Sole-pressing machine. E. E. Winkley. No. 1,057,790; Apr. 1; Gaz. vol. 189; p. 135.
- Sole-pressing machine. J. W. Cosgrove and E. Erickson. No. 1,058,729; Apr. 15; Gaz. vol. 189; p. 539.
- Sole-pressing machine. H. A. Davenport. No. 1,058,732; Apr. 15; Gaz. vol. 189; p. 541.
- Sole-rounding machine. G. W. Carter. No. 1,061,356; May 13; Gaz. vol. 190; p. 306.
- Sole-rounding machine. H. A. Davenport. No. 1,066,473; July 8; Gaz. vol. 192; p. 227.
- Sole-rounding machine. E. E. Orr. No. 1,066,940; July 8; Gaz. vol. 192; p. 390.
- Sole-rounding machine. W. C. Baxter. No. 1,080,191; Dec. 2; Gaz. vol. 197; p. 95.
- Sole-sewing machine. A. Bates. No. 1,080,879; Dec. 9; Gaz. vol. 197; p. 366.
- Sole spike-plate fastener, Shoe-. J. E. Rogers. No. 1,055,229; Mar. 4; Gaz. vol. 188; p. 191.
- Sole trimmer, Shoe-. M. S. Munn. No. 1,060,694; May 6; Gaz. vol. 190; p. 45.
- Soles for boots or shoes, Preparing. C. C. Small. No. 1,061,416; May 13; Gaz. vol. 190; p. 327.
- Soles, Making seams for shoe-. S. A. and G. A. Dobyne. No. 1,072,212; Sept. 2; Gaz. vol. 194; p. 184.
- Soles, Rib-trimming machine for inner. G. L. Rollins. No. 1,070,069; Aug. 12; Gaz. vol. 193; p. 365.
- Soles, Seam for shoe-. G. A. and S. A. Dobyne. No. 1,072,211; Sept. 2; Gaz. vol. 194; p. 184.
- Solid balls, Making. J. P. Appleby. No. 1,080,798; Dec. 9; Gaz. vol. 197; p. 338.
- Solid-end box. H. B. Walter. No. 1,055,243; Mar. 4; Gaz. vol. 188; p. 196.
- Solids and liquids and washing or otherwise treating the separated solids, Apparatus for separating. J. J. Berrigan. No. 1,062,216; May 20; Gaz. vol. 190; p. 639.
- Solids and liquids, Dewatering device or means for separating. W. A. Hendryx. No. 1,071,917; Sept. 2; Gaz. vol. 194; p. 85.
- Solids from liquid solutions, Apparatus for separating. L. C. Trent. No. 1,056,233; Mar. 18; Gaz. vol. 188; p. 602.
- Solids from liquid substances, Obtaining dry. G. H. Paltridge. No. 1,051,441; Jan. 28; Gaz. vol. 186; p. 826.
- Solids from liquids, Centrifugal machine for separating. T. H. Miller. No. 1,057,443; Apr. 1; Gaz. vol. 189; p. 17.
- Solids from liquids, Receptacle for separating. A. J. Arbuckle. No. 1,051,662; Jan. 28; Gaz. vol. 186; p. 901.
- Solids of revolution, Treating. J. S. Unger. No. 1,071,012; Aug. 19; Gaz. vol. 193; p. 726.
- Solution control, Automatic intermittent. C. E. Miller. No. 1,067,786; July 15; Gaz. vol. 192; p. 713.
- Solutions, Apparatus for concentrating. E. Monti. No. 1,065,829; June 24; Gaz. vol. 191; p. 1007.
- Solutions applied to kid, leather, &c., Drying. G. W. Bernauer. No. 1,074,346; Sept. 30; Gaz. vol. 194; p. 1138.
- Solutions, Precipitant for recovering metals from. C. W. Merrill. No. 1,063,570; June 3; Gaz. vol. 191; p. 136.

Alphabetical list of inventions—Continued.

- Solutions, Precipitating and recovering materials from. C. W. Merrill. No. 1,063,567; June 3; Gaz. vol. 191; p. 135.
- Solutions, Precipitation of material from cyanid. C. W. Merrill. No. 1,063,568; June 3; Gaz. vol. 191; p. 135.
- Solutions, Precipitation of material from cyanid. C. W. Merrill. No. 1,063,569; June 3; Gaz. vol. 191; p. 135.
- Solutions, Treatment of metal-bearing. E. A. Ashcroft. No. 1,071,856; Sept. 2; Gaz. vol. 194; p. 65.
- Solvents, Apparatus for recovering volatile. C. F. Hopewell. No. 1,063,686; June 3; Gaz. vol. 191; p. 180.
- Solvents by use of halogen compounds, Production of. W. E. Masland. No. 1,082,543; Dec. 30; Gaz. vol. 197; p. 1024.
- Sorting-machine. C. W. Naramor. No. 1,056,764; Mar. 18; Gaz. vol. 188; p. 786.
- Sound-amplifier. J. C. English. No. 1,071,610; Aug. 26; Gaz. vol. 193; p. 960.
- Sound-amplifying device. J. C. English. No. 1,067,905; July 22; Gaz. vol. 192; p. 786.
- Sound-box. H. C. Miller. No. 1,050,743; Jan. 14; Gaz. vol. 186; p. 517.
- Sound-box. A. Hayes. No. 1,061,071; May 6; Gaz. vol. 190; p. 177.
- Sound-box. P. Catucci. No. 1,061,729; May 13; Gaz. vol. 190; p. 438.
- Sound-box. H. C. Miller. No. 1,063,823; June 3; Gaz. vol. 191; p. 225.
- Sound-box. W. H. Miller. No. 1,068,441; July 29; Gaz. vol. 192; p. 1009.
- Sound-box. A. Hayes. No. 1,071,667; Aug. 26; Gaz. vol. 193; p. 979.
- Sound-box. A. C. Diehl. No. 1,073,408; Sept. 16; Gaz. vol. 194; p. 670.
- Sound-box. A. C. J. Constabel. No. 1,073,961; Sept. 23; Gaz. vol. 194; p. 882.
- Sound-box. T. A. Edison. No. 1,078,266; Nov. 11; Gaz. vol. 196; p. 383.
- Sound-box. P. Catucci. No. 1,080,954; Dec. 9; Gaz. vol. 197; p. 392.
- Sound-box diaphragm. P. Catucci. No. 1,080,953; Dec. 9; Gaz. vol. 197; p. 391.
- Sound-deadening device. W. C. Reed. No. 1,063,385; June 3; Gaz. vol. 191; p. 73.
- Sound insulation. C. R. Stedman. No. 1,076,074; Oct. 21; Gaz. vol. 195; p. 565.
- Sound-modifying device. W. G. Sabine. No. 1,065,888; June 24; Gaz. vol. 191; p. 1028.
- Sound-muffling device. A. Dare. No. 1,081,490; Dec. 16; Gaz. vol. 197; p. 608.
- Sound-producer, Electrically-operated. C. J. Schwarze. No. 1,050,239; Jan. 14; Gaz. vol. 186; p. 345.
- Sound-producing means, Electrical. O. Stritter. No. 1,081,635; Dec. 16; Gaz. vol. 197; p. 653.
- Sound-record. L. H. Baekeland. No. 1,083,264; Dec. 30; Gaz. vol. 197; p. 1267.
- Sound-record molds, Making. J. W. Aylsworth and E. L. Aiken. No. 1,061,258; May 13; Gaz. vol. 190; p. 273.
- Sound-records, Apparatus for producing duplicate. J. W. Aylsworth. No. 1,071,685; Sept. 2; Gaz. vol. 194; p. 5.
- Sound recording and reproducing art and apparatus. V. H. Emerson and G. A. Manwaring. No. 1,055,525; Mar. 11; Gaz. vol. 188; p. 329.
- Sound recording and reproducing machine. W. W. Zackey. No. 1,067,569; July 15; Gaz. vol. 192; p. 640.
- Sound-recording apparatus. F. D. Pudumjee. No. 1,051,513; Jan. 28; Gaz. vol. 186; p. 851.
- Sound-reproducing instrument. B. R. Smith. No. 1,060,955; May 6; Gaz. vol. 190; p. 136.
- Sound-reproducing instrument. B. R. Smith. No. 1,062,369; May 20; Gaz. vol. 190; p. 691.
- Sound-reproducing instrument. F. S. Kinney. No. 1,071,436; Aug. 26; Gaz. vol. 193; p. 902.
- Sound-reproducing machine. A. R. Cunnius. No. 1,054,395; Feb. 25; Gaz. vol. 187; p. 985.
- Sound-reproducing machine. C. Ramus. No. 1,061,124; May 6; Gaz. vol. 190; p. 195.
- Sound-reproducing machine. W. J. Hodges. No. 1,069,784; Aug. 12; Gaz. vol. 193; p. 269.
- Sound-reproducing-machine stylus. J. W. Owen. No. 1,080,924; Dec. 9; Gaz. vol. 197; p. 382.
- Sound-reproducing machines, Attachment for. H. W. Quade. No. 1,060,209; Apr. 29; Gaz. vol. 189; p. 1121.
- Sound-reproducing machines, Automatic stopping device for. H. C. Miller. No. 1,076,385; Oct. 21; Gaz. vol. 195; p. 673.
- Sound-reproducing means. T. A. Edison. No. 1,056,517; Mar. 18; Gaz. vol. 188; p. 701.
- Sound reproducing or transmitting instrument tone-clari-fying attachment. C. S. Butler. No. 1,081,719; Dec. 16; Gaz. vol. 197; p. 681.
- Sound-reproducing records, Mechanism for counting and recording. I. Schmurkin. No. 1,060,504; Apr. 29; Gaz. vol. 189; p. 1226.
- Sound-screen. R. L. Williams. No. 1,067,207; July 8; Gaz. vol. 192; p. 480.
- Sound travels, Apparatus for indicating the direction whence. T. G. and W. Hodgkinson. No. 1,075,103; Oct. 7; Gaz. vol. 195; p. 177.
- Sound-waves, Apparatus for the reception and reproduc-tion of. O. Reinhardt. No. 1,064,771; June 17; Gaz. vol. 191; p. 617.
- Sound-waves, Means for producing. L. E. Côté and W. F. Kelley. No. 1,068,220; July 22; Gaz. vol. 192; p. 894.
- Sound-waves, Means for producing. L. E. Côté. No. 1,080,264; Dec. 2; Gaz. vol. 197; p. 122.
- Sounding-board. F. F. Frankel. No. 1,062,275; May 20; Gaz. vol. 190; p. 660.
- Sounding device. D. B. Ferguson. No. 1,055,153; Mar. 4; Gaz. vol. 188; p. 168.
- Sounding device. F. A. Warner. No. 1,055,244; Mar. 4; Gaz. vol. 188; p. 197.
- Sounding mechanism, Deep-sea. T. M. Eynon. No. 1,052,411; Feb. 4; Gaz. vol. 187; p. 193.
- Soup or broth-like substances or liquids, Production of. G. Braun, H. V. Luithlen, and W. Neumann. No. 1,073,392; Sept. 16; Gaz. vol. 194; p. 664.
- Sower, Guano. J. R. Ayers. No. 1,068,381; July 22; Gaz. vol. 192; p. 950.
- Sowing-machine. J. Ruhland. No. 1,058,468; Apr. 8; Gaz. vol. 189; p. 414.
- Sowing seeds in drills, Machine for. R. J. Smith and D. M. Baker. No. 1,072,368; Sept. 2; Gaz. vol. 194; p. 237.
- Spacer device, Proportional. J. A. Firsching. No. 1,062,700; May 27; Gaz. vol. 190; p. 841.
- Spacer, Extensible. L. H. Wild. No. 1,050,890; Jan. 21; Gaz. vol. 186; p. 605.
- Spacer selecting and releasing mechanism. B. F. Bellows. No. 1,060,580; May 6; Gaz. vol. 190; p. 6.
- Spacing-table carriage. G. P. Thomas. No. 1,068,465; July 29; Gaz. vol. 192; p. 1018.
- Spade. J. J. Lindellen. No. 1,059,054; Apr. 15; Gaz. vol. 189; p. 654.
- Spade, Military multiple-purpose. C. N. Wiener. No. 1,051,042; Jan. 21; Gaz. vol. 186; p. 659.
- Spading-machine. W. W. Moore. No. 1,062,570; May 20; Gaz. vol. 190; p. 756.
- Spanner-wrench. T. I. Duffy. No. 1,076,565; Oct. 21; Gaz. vol. 195; p. 737.
- Spar-cap. E. A. and J. F. Gaskill. No. 1,072,845; Sept. 9; Gaz. vol. 194; p. 432.
- Spark-arrester. S. L. Arnold. No. 1,064,592; June 10; Gaz. vol. 191; p. 521.
- Spark-arrester. L. A. Swem. No. 1,065,985; July 1; Gaz. vol. 192; p. 29.
- Spark-arrester. G. Gross. No. 1,070,800; Aug. 19; Gaz. vol. 193; p. 658.
- Spark-arrester. O. N. Terry. No. 1,071,369; Aug. 26; Gaz. vol. 193; p. 881.
- Spark-arrester. C. A. Cardwell. No. 1,074,603; Oct. 7; Gaz. vol. 195; p. 6.
- Spark-arrester. W. C. Yeomans. No. 1,079,586; Nov. 25; Gaz. vol. 196; p. 902.
- Spark-arrester and draft-regulator, Locomotive. F. Tuma. No. 1,060,514; Apr. 29; Gaz. vol. 189; p. 1229.
- Spark-coil. W. H. Cotton. No. 1,059,120; Apr. 15; Gaz. vol. 189; p. 677.
- Spark-extinguisher, Locomotive. J. Player. No. 1,070,174; Aug. 12; Gaz. vol. 193; p. 403.
- Spark-gap-cooling device. W. E. D. Stokes, Jr., and G. W. Davis. No. 1,073,371; Sept. 16; Gaz. vol. 194; p. 657.
- Spark-gap, Electric. R. H. Wappler. No. 1,075,075; Oct. 7; Gaz. vol. 195; p. 168.
- Spark-gap for impulse excitation. A. Melssner. No. 1,051,744; Jan. 28; Gaz. vol. 186; p. 927.
- Spark-plug. C. E. Peterson. No. 1,052,170; Feb. 4; Gaz. vol. 187; p. 114.
- Spark-plug. C. F. Johnston. No. 1,061,915; May 13; Gaz. vol. 190; p. 494.
- Spark-plug. A. Schmidt. No. 1,062,612; May 27; Gaz. vol. 190; p. 813.
- Spark-plug. F. T. H. Bacon. No. 1,066,979; July 8; Gaz. vol. 192; p. 402.
- Spark-plug. C. H. Duffy. No. 1,067,791; July 15; Gaz. vol. 192; p. 715.
- Spark-plug. H. M. Spencer. No. 1,068,462; July 29; Gaz. vol. 192; p. 1017.
- Spark-plug. E. C. Henn. No. 1,073,043; Sept. 9; Gaz. vol. 194; p. 503.
- Spark-plug. J. W. Meaker. No. 1,073,270; Sept. 16; Gaz. vol. 194; p. 621.
- Spark-plug. J. W. Nance. No. 1,073,699; Sept. 23; Gaz. vol. 194; p. 793.
- Spark-plug. A. Schmidt. No. 1,077,002; Oct. 28; Gaz. vol. 195; p. 945.
- Spark-plug. A. Schmidt. No. 1,077,003; Oct. 28; Gaz. vol. 195; p. 946.
- Spark-plug. W. S. Witter. No. 1,077,325; Nov. 4; Gaz. vol. 196; p. 29.
- Spark-plug. H. M. Spencer. No. 1,077,960; Nov. 4; Gaz. vol. 196; p. 247.
- Spark-plug. J. J. Meyer. No. 1,079,790; Nov. 25; Gaz. vol. 196; p. 975.
- Spark-plug. F. J. Walker and F. C. Loeffler. No. 1,080,089; Dec. 2; Gaz. vol. 197; p. 59.
- Spark-plug. G. L. Couter. No. 1,081,660; Dec. 16; Gaz. vol. 197; p. 661.
- Spark-plug. W. L. Edison. No. 1,081,728; Dec. 16; Gaz. vol. 197; p. 684.

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- Spark-plug connector and switch. C. E. Semple, Jr. No. 1,065,327; June 17; Gaz. vol. 191; p. 799.
- Spark-plug container. C. F. Norton. No. 1,049,903; Jan. 7; Gaz. vol. 186; p. 198.
- Spark-plug demonstrator. G. F. Kreitlein and H. L. Roeger. No. 1,056,187; Mar. 18; Gaz. vol. 188; p. 585.
- Spark-plug, Electric. F. R. Blake. No. 1,053,470; Feb. 18; Gaz. vol. 187; p. 633.
- Spark-plug tester. A. De Clairmont. No. 1,054,909; Mar. 4; Gaz. vol. 188; p. 87.
- Spark-plugs, Spark-intensifier for. E. Stirnkorb. No. 1,057,186; Mar. 25; Gaz. vol. 188; p. 960.
- Spark-plugs, Terminal connector for. C. W. Beck. No. 1,072,561; Sept. 9; Gaz. vol. 194; p. 333.
- Spark-timer. H. M. Scheibe. No. 1,074,984; Oct. 7; Gaz. vol. 195; p. 134.
- Sparks from shoddy and the like, Apparatus for extinguishing. P. Noack. No. 1,050,990; Jan. 21; Gaz. vol. 186; p. 641.
- Sparkign device. S. H. Murphy, Jr., and J. W. McCuen. No. 1,058,456; Apr. 8; Gaz. vol. 189; p. 410.
- Sparkign plug. I. Koutkine. No. 1,070,266; Aug. 12; Gaz. vol. 193; p. 434.
- Sparkign plug with removable electrode and central telescoping electrode. A. L. Cadé. No. 1,082,401; Dec. 23; Gaz. vol. 197; p. 944.
- Sparkign plugs, Testing installation for electromagnetically-operated. G. Honold. No. 1,076,427; Oct. 21; Gaz. vol. 195; p. 688.
- Spear. W. R. Hepner and E. M. Van Dyke. No. 1,076,036; Oct. 21; Gaz. vol. 195; p. 553.
- Spear, Fish-. G. T. Turner. No. 1,080,868; Dec. 9; Gaz. vol. 197; p. 363.
- Spear, Hay or straw. E. B. Nelson. No. 1,071,947; Sept. 2; Gaz. vol. 194; p. 95.
- Spectacle and other glasses, Machine for grinding. A. Eckstein. No. 1,051,869; Feb. 4; Gaz. vol. 187; p. 7.
- Spectacle-case. G. W. Keene. No. 1,064,839; June 17; Gaz. vol. 191; p. 640.
- Spectacle-mounting. L. F. Adt. No. 1,054,076; Feb. 25; Gaz. vol. 187; p. 875.
- Spectacle-templates, Machine for making. R. M. Weston. No. 1,054,631; Feb. 25; Gaz. vol. 187; p. 1064.
- Spectacles. J. R. Roach. No. 1,056,370; Mar. 18; Gaz. vol. 188; p. 647.
- Spectacles-adjuster. W. O. Boyle. No. 1,061,216; May 6; Gaz. vol. 190; p. 224.
- Spectacles and eyeglasses, Bifocal. G. W. Baker. No. 1,049,645; Jan. 7; Gaz. vol. 186; p. 113.
- Spectacles and eyeglasses, Mounting for. C. J. Troppman. No. 1,078,973; Nov. 18; Gaz. vol. 196; p. 659.
- Spectacles and eyeglasses, Mounting for rimless. G. S. Pfeiffer. No. 1,072,159; Sept. 2; Gaz. vol. 194; p. 168.
- Spectacles, Nose-rest for. G. Johnston. No. 1,068,140; July 22; Gaz. vol. 192; p. 866.
- Speculum, Vaginal. L. Drosin. No. 1,066,889; July 8; Gaz. vol. 192; p. 372.
- Speeches, compositions, and the like, Means for recording and reproducing lengthy. F. E. Thormeyer. No. 1,063,085; May 27; Gaz. vol. 190; p. 968.
- Speed-accelerator and propeller-guard. L. S. Wabo. No. 1,065,089; June 17; Gaz. vol. 191; p. 721.
- Speed-adjusting means for rotary hydraulic devices. H. D. Williams and R. Janney. No. 1,062,071; May 20; Gaz. vol. 190; p. 589.
- Speed and power transmitting mechanism. C. S. Kellogg. No. 1,080,282; Dec. 2; Gaz. vol. 197; p. 127.
- Speed-changing device. J. W. Edgar. No. 1,064,199; June 10; Gaz. vol. 191; p. 388.
- Speed-changing device. S. W. Wardwell. No. 1,075,800; Oct. 14; Gaz. vol. 195; p. 444.
- Speed-changing mechanism. A. L. Riker. No. 1,051,515; Jan. 28; Gaz. vol. 186; p. 851.
- Speed-changing mechanism. A. E. Reuss and O. Schnitzler. No. 1,058,263; Apr. 8; Gaz. vol. 189; p. 342.
- Speed-changing mechanism. A. E. Reuss and O. Schnitzler. No. 1,058,265; Apr. 8; Gaz. vol. 189; p. 343.
- Speed-changing mechanism. A. E. Reuss and O. Schnitzler. No. 1,060,707; May 6; Gaz. vol. 190; p. 50.
- Speed-changing mechanism. G. D. Munsing. No. 1,064,365; June 10; Gaz. vol. 191; p. 443.
- Speed-changing mechanism, Differential. F. I. and B. P. Remy and A. Berger. No. 1,069,182; Aug. 5; Gaz. vol. 193; p. 33.
- Speed-control apparatus. M. E. Leeds. No. 1,057,436; Apr. 1; Gaz. vol. 189; p. 15.
- Speed-control mechanism for motor-vehicles. H. E. Coffin. No. 1,059,526; Apr. 22; Gaz. vol. 189; p. 852.
- Speed-controlled device and indicator. M. R. Hutchison. No. 1,068,132; July 22; Gaz. vol. 192; p. 863.
- Speed-controller for motor-vehicles. J. Coplon. No. 1,067,317; July 15; Gaz. vol. 192; p. 555.
- Speed-controlling apparatus. W. H. McClelland, Jr. No. 1,052,496; Feb. 11; Gaz. vol. 187; p. 256.
- Speed-controlling apparatus. J. T. Hume. No. 1,081,832; Dec. 16; Gaz. vol. 197; p. 722.
- Speed device and indicator. M. R. Hutchison. No. 1,068,133; July 22; Gaz. vol. 192; p. 863.
- Speed device and indicator. M. R. Hutchison. No. 1,068,134; July 22; Gaz. vol. 192; p. 864.
- Speed device and indicator. M. R. Hutchison. No. 1,068,135; July 22; Gaz. vol. 192; p. 864.
- Speed device and indicator. M. R. Hutchison. No. 1,068,136; July 22; Gaz. vol. 192; p. 865.
- Speed-governing mechanism. R. F. Deardorff. No. 1,082,225; Dec. 23; Gaz. vol. 197; p. 882.
- Speed-governor. E. M. Carr. No. 1,049,669; Jan. 7; Gaz. vol. 186; p. 120.
- Speed-governor. W. H. Wright. No. 1,057,909; Apr. 1; Gaz. vol. 189; p. 176.
- Speed-governor. W. J. A. London. No. 1,074,879; Oct. 7; Gaz. vol. 195; p. 98.
- Speed-governor. L. Rhodes. No. 1,081,865; Dec. 16; Gaz. vol. 197; p. 732.
- Speed-governor. A. Winton. No. 1,082,383; Dec. 23; Gaz. vol. 197; p. 939.
- Speed-governor device. C. O. Kennedy. No. 1,062,780; May 27; Gaz. vol. 190; p. 867.
- Speed indicating and registering device, Automatic. R. Star. No. 1,080,494; Dec. 2; Gaz. vol. 197; p. 201.
- Speed-indicating apparatus, Ship's-. R. Star. No. 1,052,387; Feb. 4; Gaz. vol. 187; p. 185.
- Speed indicating or controlling mechanism. A. E. Reuss and O. Schnitzler. No. 1,058,262; Apr. 8; Gaz. vol. 189; p. 342.
- Speed-indicator. F. S. Craven. No. 1,052,321; Feb. 4; Gaz. vol. 187; p. 162.
- Speed-indicator. J. Krüger. No. 1,053,045; Feb. 11; Gaz. vol. 187; p. 442.
- Speed-indicator. W. Morell. No. 1,053,202; Feb. 18; Gaz. vol. 187; p. 540.
- Speed-indicator. J. O. Morrison. No. 1,058,086; Apr. 8; Gaz. vol. 189; p. 281.
- Speed-indicator. C. G. Finster and F. H. Tuttle. No. 1,059,985; Apr. 29; Gaz. vol. 189; p. 1046.
- Speed-indicator. L. H. Dyer. No. 1,064,461; June 10; Gaz. vol. 191; p. 478.
- Speed-indicator. W. Schürmann. No. 1,073,443; Sept. 16; Gaz. vol. 194; p. 681.
- Speed-indicator, Magnetic. J. K. Stewart. No. 1,057,681; Apr. 1; Gaz. vol. 189; p. 97.
- Speed-indicators, Clockwork for. H. Dahl and M. Martin. No. 1,069,234; Aug. 5; Gaz. vol. 193; p. 53.
- Speed-limiting device. L. C. Marburg. No. 1,055,931; Mar. 11; Gaz. vol. 188; p. 464.
- Speed-measure. J. O. Morrison. (Reissue.) No. 13,650; Nov. 18; Gaz. vol. 196; p. 780.
- Speed mechanism, Ball-and-disk variable-. A. H. Pollen and H. Isherwood. No. 1,062,500; May 20; Gaz. vol. 190; p. 734.
- Speed mechanism for motor-vehicles, Variable-. J. C. Riegel. No. 1,080,782; Dec. 9; Gaz. vol. 197; p. 332.
- Speed mechanism, Variable-. W. G. Bixby. No. 1,063,410; June 3; Gaz. vol. 191; p. 81.
- Speed mechanism, Variable-. A. M. Sosa. No. 1,068,013; July 22; Gaz. vol. 192; p. 823.
- Speed mechanism, Variable-. T. S. Grimes. No. 1,069,414; Aug. 5; Gaz. vol. 193; p. 115.
- Speed mechanism, Variable-. D. E. Crouse and C. G. Eidson. No. 1,082,624; Dec. 30; Gaz. vol. 197; p. 1054.
- Speed of direct-current motors, Means for regulating the. H. Osborne. No. 1,060,208; Apr. 29; Gaz. vol. 189; p. 1120.
- Speed of ships, Apparatus for indicating and recording the. A. J. Cooper. No. 1,061,985; May 20; Gaz. vol. 190; p. 561.
- Speed-recorder. O. J. Aberegg. No. 1,073,555; Sept. 16; Gaz. vol. 194; p. 719.
- Speed-recording apparatus, Vehicle. A. E. C. Deckert. No. 1,054,398; Feb. 25; Gaz. vol. 187; p. 986.
- Speed-recording gage, High-. W. L. Morris. No. 1,052,940; Feb. 11; Gaz. vol. 187; p. 408.
- Speed-reducing mechanism. J. B. Foote. No. 1,059,450; Apr. 22; Gaz. vol. 189; p. 827.
- Speed-regulated brake. W. V. Turner. No. 1,069,357; Aug. 5; Gaz. vol. 193; p. 94.
- Speed-regulator. P. D. Karshner. No. 1,058,594; Apr. 8; Gaz. vol. 189; p. 456.
- Speed-regulator for electric motors. L. Bradley. No. 1,066,580; July 8; Gaz. vol. 192; p. 265.
- Speed-transmission mechanism, Changeable-. G. W. Price. No. 1,060,024; Apr. 29; Gaz. vol. 189; p. 1059.
- Speed-transmission mechanism, Variable-. J. G. White. No. 1,050,888; Jan. 21; Gaz. vol. 186; p. 604.
- Speed-transmission mechanism, Variable-. D. K. Willson and C. L. Tutt. No. 1,051,475; Jan. 28; Gaz. vol. 186; p. 837.
- Speed-varying transmission. F. H. Cheyne. No. 1,079,934; Dec. 2; Gaz. vol. 197; p. 4.
- Speedometer. W. O. Nelson. No. 1,052,369; Feb. 4; Gaz. vol. 187; p. 178.
- Speedometer. E. Schneider. No. 1,064,935; June 17; Gaz. vol. 191; p. 669.
- Speedometer. W. H. Zachmann. No. 1,067,453; July 15; Gaz. vol. 192; p. 600.
- Speedometer. W. R. Dudley and L. A. Greenleaf. No. 1,072,587; Sept. 9; Gaz. vol. 194; p. 343.
- Speedometer. J. K. Stewart. No. 1,080,308; Dec. 2; Gaz. vol. 197; p. 136.

Alphabetical list of inventions—Continued.

- Speedometer drive-gear. J. K. Stewart. No. 1,058,805; Apr. 15; Gaz. vol. 189; p. 565.
- Speedometer-driving-pinion support. A. W. Wessoleck. No. 1,058,930; Apr. 15; Gaz. vol. 189; p. 611.
- Speedometer, Magnetic. J. K. Stewart. No. 1,054,996; Mar. 4; Gaz. vol. 188; p. 116.
- Speedometer, Magnetic. J. K. Stewart. No. 1,054,997; Mar. 4; Gaz. vol. 188; p. 117.
- Speedometer, Magnetic. J. K. Stewart. No. 1,057,682; Apr. 1; Gaz. vol. 189; p. 98.
- Speedometer, Magnetic. J. K. Stewart. No. 1,070,378; Aug. 12; Gaz. vol. 193; p. 474.
- Speedometer, Magnetic. J. K. Stewart. No. 1,077,438; Nov. 4; Gaz. vol. 196; p. 70.
- Speedometer, Marine. C. H. Kenney. No. 1,077,533; Nov. 4; Gaz. vol. 196; p. 103.
- Speedometers, Driving device for vehicle. F. M. Murray. No. 1,074,732; Oct. 7; Gaz. vol. 195; p. 51.
- Speedometers, Driving-gear for. A. W. Wessoleck. No. 1,067,700; July 15; Gaz. vol. 192; p. 685.
- Sphygmomanometer. O. H. Rogers and H. C. Macdonald. No. 1,063,287; June 3; Gaz. vol. 191; p. 41.
- Sphygmomanometer. P. Nicholson. No. 1,077,365; Nov. 4; Gaz. vol. 196; p. 43.
- Spigot. M. A. Smirle. No. 1,054,146; Feb. 25; Gaz. vol. 187; p. 899.
- Spigot. R. Bonnell. No. 1,066,178; July 1; Gaz. vol. 192; p. 97.
- Spigot. E. W. Bague. No. 1,067,583; July 15; Gaz. vol. 192; p. 644.
- Spike. H. O. Crippen. No. 1,059,121; Apr. 15; Gaz. vol. 189; p. 677.
- Spike. F. Wynne. No. 1,064,415; June 10; Gaz. vol. 191; p. 462.
- Spike. W. S. Daniels. No. 1,066,471; July 8; Gaz. vol. 192; p. 226.
- Spike. L. B. Lazear. No. 1,069,442; Aug. 5; Gaz. vol. 193; p. 125.
- Spike. M. Lundin. No. 1,073,998; Sept. 23; Gaz. vol. 194; p. 894.
- Spike. H. O. Crippen. No. 1,074,409; Sept. 30; Gaz. vol. 194; p. 1059.
- Spike-driving machine. S. A. Barber. No. 1,058,654; Apr. 8; Gaz. vol. 189; p. 476.
- Spike-machine. J. M. Stetter. No. 1,070,744; Aug. 19; Gaz. vol. 193; p. 640.
- Spike-puller. C. L. Fry. No. 1,051,211; Jan. 21; Gaz. vol. 186; p. 715.
- Spike-pulling jack. H. E. Wadsworth. No. 1,078,178; Nov. 11; Gaz. vol. 196; p. 353.
- Spindle: *See* Knob-spindle; Oilless spindle; Spinning-spindle; Stock-roll spindle.
- Spindle. C. S. Foster. No. 1,055,733; Mar. 11; Gaz. vol. 188; p. 397.
- Spindle. G. M. Whitin. No. 1,074,996; Oct. 7; Gaz. vol. 195; p. 138.
- Spindle. C. S. Foster. No. 1,075,205; Oct. 7; Gaz. vol. 195; p. 213.
- Spindle-base. O. C. Sidilau. No. 1,062,044; May 20; Gaz. vol. 190; p. 580.
- Spindle-driving mechanism. A. H. Morton. No. 1,052,612; Feb. 11; Gaz. vol. 187; p. 295.
- Spindle for spinning, twisting, and like machines. A. H. Morton. No. 1,058,780; Apr. 15; Gaz. vol. 189; p. 557.
- Spindle-lubricator. D. A. Corrie. No. 1,065,781; June 24; Gaz. vol. 191; p. 992.
- Spindle-retaining device. E. D. Chesebro. No. 1,071,297; Aug. 26; Gaz. vol. 193; p. 856.
- Spindle-turning machines, Chuck mechanism for. A. J. Schulte. No. 1,061,411; May 13; Gaz. vol. 190; p. 326.
- Spinning. G. C. G. Young and M. M. Waddell. No. 1,051,361; Jan. 21; Gaz. vol. 186; p. 765.
- Spinning and twisting frames, Machine for automatically removing the full pirns in. F. Watzlawik. No. 1,079,154; Nov. 18; Gaz. vol. 196; p. 724.
- Spinning and twisting machine. F. Kohl. No. 1,051,504; Jan. 28; Gaz. vol. 186; p. 848.
- Spinning and twisting machine, Ring. J. Sommerhalder. No. 1,058,340; Apr. 8; Gaz. vol. 189; p. 370.
- Spinning and twisting machines, Combination separator and stray-yarn severer for. C. E. Collins. No. 1,062,272; May 20; Gaz. vol. 190; p. 659.
- Spinning and twisting machines, Device for automatically clutching bobbins to spindles of. R. S. Matteson. No. 1,072,345; Sept. 2; Gaz. vol. 194; p. 227.
- Spinning apparatus, Traverse-motion for yarn. A. E. Rhoades. No. 1,076,910; Oct. 28; Gaz. vol. 195; p. 912.
- Spinning apparatus, Yarn. A. E. Rhoades. No. 1,070,180; Aug. 12; Gaz. vol. 193; p. 405.
- Spinning flax, hemp, jute, and other fibers. G. Shaw. No. 1,079,888; Nov. 25; Gaz. vol. 196; p. 1007.
- Spinning-frame. E. H. Ryon. No. 1,055,660; Mar. 11; Gaz. vol. 188; p. 373.
- Spinning-frame. H. G. Beede. No. 1,064,281; June 10; Gaz. vol. 191; p. 415.
- Spinning-frame doffer. B. A. Peterson. No. 1,067,192; July 8; Gaz. vol. 192; p. 475.
- Spinning-frame speed-controller. W. T. Holmes and G. H. Whittingham. No. 1,075,036; Oct. 7; Gaz. vol. 195; p. 154.
- Spinning-frame tool. L. H. Rooney. No. 1,075,602; Oct. 14; Gaz. vol. 195; p. 378.
- Spinning-frames, Means for attaching doffer-supporting rails to. B. A. Peterson. No. 1,070,171; Aug. 12; Gaz. vol. 193; p. 402.
- Spinning-frames, Means for attaching doffer-supporting rails to. B. A. Peterson. No. 1,070,840; Aug. 19; Gaz. vol. 193; p. 670.
- Spinning-frames, Means for securing doffer-supporting rails to. B. A. Peterson. No. 1,061,493; May 13; Gaz. vol. 190; p. 354.
- Spinning-frames, Rail-lifting rod for. A. L. Quinn. No. 1,056,301; Mar. 18; Gaz. vol. 188; p. 625.
- Spinning-frames, Top-roll saddle for. J. V. Cunniff. No. 1,072,317; Sept. 2; Gaz. vol. 194; p. 218.
- Spinning-machine. A. and J. Stell. No. 1,049,545; Jan. 7; Gaz. vol. 186; p. 78.
- Spinning-machine. J. Lacroix and J. Desautels. No. 1,071,061; Aug. 26; Gaz. vol. 193; p. 778.
- Spinning-machine. W. H. Young. No. 1,076,805; Oct. 28; Gaz. vol. 195; p. 875.
- Spinning-machine. F. S. Culver. No. 1,080,266; Dec. 2; Gaz. vol. 197; p. 123.
- Spinning machine, Artificial-silk. L. Morane. No. 1,069,456; Aug. 5; Gaz. vol. 193; p. 129.
- Spinning-machine clearer. J. Jackson. No. 1,065,687; June 24; Gaz. vol. 191; p. 960.
- Spinning-machine, Mechanism for supplying single hairs to a. R. Grabein. No. 1,062,152; May 20; Gaz. vol. 190; p. 618.
- Spinning-machine spindles, Ball-bearing for. R. E. Walther. No. 1,080,393; Dec. 2; Gaz. vol. 197; p. 169.
- Spinning-machine thread-guide. G. L. Pierce and N. Provencher. No. 1,061,007; May 6; Gaz. vol. 190; p. 155.
- Spinning-machine traverse mechanism. A. L. Pickard. No. 1,061,687; May 13; Gaz. vol. 190; p. 423.
- Spinning-machines, Building-motion for. D. O. Pease. No. 1,054,236; Feb. 25; Gaz. vol. 187; p. 931.
- Spinning-machines, Forming drawing-rolls for. E. Kempshall. No. 1,074,590; Sept. 30; Gaz. vol. 194; p. 1118.
- Spinning-machines, Weight-lever for. E. Dixon. No. 1,078,996; Nov. 18; Gaz. vol. 196; p. 668.
- Spinning machinery. J. J. O'Connor. No. 1,074,737; Oct. 7; Gaz. vol. 195; p. 52.
- Spinning-mule. J. Lowe. No. 1,079,302; Nov. 18; Gaz. vol. 196; p. 771.
- Spinning-mules, Reversing mechanism for the band-cylinders of. J. H. Ryalls. No. 1,082,912; Dec. 30; Gaz. vol. 197; p. 1155.
- Spinning or twisting apparatus, Ring. H. G. Beede. No. 1,075,004; Oct. 7; Gaz. vol. 195; p. 142.
- Spinning or twisting apparatus, Ring. H. G. Beede. No. 1,075,185; Oct. 7; Gaz. vol. 195; p. 206.
- Spinning or twisting apparatus, Yarn. G. Bettini. No. 1,073,022; Sept. 9; Gaz. vol. 194; p. 497.
- Spinning or twisting machine gearing. S. B. Roy. No. 1,081,334; Dec. 16; Gaz. vol. 197; p. 555.
- Spinning or twisting machines, Thread-guide for. L. T. Houghton. No. 1,070,036; Aug. 12; Gaz. vol. 193; p. 356.
- Spinning or twisting machines, Thread-guide support for. R. S. Matteson. No. 1,064,234; June 10; Gaz. vol. 191; p. 399.
- Spinning-ring and holder therefor. M. H. Maloney. No. 1,053,416; Feb. 18; Gaz. vol. 187; p. 615.
- Spinning-roll. E. Kempshall. No. 1,074,503; Sept. 30; Gaz. vol. 194; p. 1089.
- Spinning-roll. E. Kempshall. No. 1,074,504; Sept. 30; Gaz. vol. 194; p. 1089.
- Spinning-roll. E. Kempshall. No. 1,074,505; Sept. 30; Gaz. vol. 194; p. 1089.
- Spinning-spindle. C. H. Chapman. No. 1,061,266; May 13; Gaz. vol. 190; p. 276.
- Spinning-spindle. C. H. Chapman. No. 1,061,267; May 13; Gaz. vol. 190; p. 277.
- Spinning-spindle. C. H. Chapman. No. 1,072,573; Sept. 9; Gaz. vol. 194; p. 338.
- Spinning-spindle. C. H. Chapman. No. 1,075,461; Oct. 14; Gaz. vol. 195; p. 329.
- Spinning, twisting, and doubling machinery. S. Z. de Ferranti. No. 1,067,907; July 22; Gaz. vol. 192; p. 787.
- Spinning, twisting, and like machines, Hank-clock for. A. H. Morton. No. 1,053,312; Feb. 18; Gaz. vol. 187; p. 578.
- Spinning, twisting, and like machines, Spindle for. A. H. Morton. No. 1,053,313; Feb. 18; Gaz. vol. 187; p. 579.
- Spinning, twisting, and the like machines, Thread-board for. A. H. Morton. No. 1,051,249; Jan. 21; Gaz. vol. 186; p. 727.
- Spinning yarn. R. Crompton. No. 1,060,233; Apr. 29; Gaz. vol. 189; p. 1130.
- Spiral casing. W. M. White. No. 1,076,617; Oct. 21; Gaz. vol. 195; p. 756.
- Spittoon. H. Koch. No. 1,066,123; July 1; Gaz. vol. 192; p. 77.

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- Splash-preventer. L. J. Jones. No. 1,049,727; Jan. 7; Gaz. vol. 186; p. 139.
- Splice-bar. L. H. Mort. No. 1,049,510; Jan. 7; Gaz. vol. 186; p. 64.
- Splice-bar. W. R. Hupp. No. 1,059,874; Apr. 22; Gaz. vol. 189; p. 964.
- Splice-bar. C. S. Landers. No. 1,063,044; May 27; Gaz. vol. 190; p. 955.
- Splice-bar and tie-plate. M. M. Graves. No. 1,066,408; July 1; Gaz. vol. 192; p. 175.
- Splicing-thimble. E. E. Squire. No. 1,058,917; Apr. 15; Gaz. vol. 189; p. 607.
- Splint. R. D. Robinson. No. 1,070,067; Aug. 12; Gaz. vol. 193; p. 365.
- Splint, Adjustable. J. H. Ellingsworth. No. 1,066,190; July 1; Gaz. vol. 192; p. 102.
- Splint-machine. W. H. Parker. No. 1,052,510; Feb. 11; Gaz. vol. 187; p. 260.
- Spoke-equalizing machine. H. Segraves. No. 1,060,793; May 6; Gaz. vol. 190; p. 78.
- Spoke-extractor. J. Laplant. No. 1,051,600; Jan. 28; Gaz. vol. 186; p. 881.
- Spoke-extractor. O. S. Winkler. No. 1,059,254; Apr. 15; Gaz. vol. 189; p. 722.
- Spoke-fastener. F. Howe and F. Burnor. No. 1,064,909; June 17; Gaz. vol. 191; p. 661.
- Spoke for wheels, Repair-. O. Zarth. No. 1,059,098; Apr. 15; Gaz. vol. 189; p. 670.
- Spoke-heating furnace. E. Einfeldt. No. 1,064,823; June 17; Gaz. vol. 191; p. 633.
- Spoke-protectors, Machine for applying. E. L. Williams. No. 1,083,171; Dec. 30; Gaz. vol. 197; p. 1236.
- Spoke-securing device. L. P. Epton. No. 1,060,542; Apr. 29; Gaz. vol. 189; p. 1239.
- Spoke, Spring-. W. H. Clark. No. 1,052,570; Feb. 11; Gaz. vol. 187; p. 280.
- Spoke star, Wheel-. R. Kronenberg. No. 1,082,087; Dec. 23; Gaz. vol. 197; p. 836.
- Spoke-tensioning machine. C. Muse. No. 1,069,568; Aug. 5; Gaz. vol. 193; p. 165.
- Spoke-tightener. W. S. Morton. No. 1,053,056; Feb. 11; Gaz. vol. 187; p. 446.
- Sponge-holder, Fountain. C. F. Schuh. No. 1,052,016; Feb. 4; Gaz. vol. 187; p. 59.
- Sponge, Hygienic textile. H. Casevitz. No. 1,074,245; Sept. 30; Gaz. vol. 194; p. 1005.
- Sponging, shrinking, and refinishing machine. G. F. Wentz. No. 1,058,122; Apr. 8; Gaz. vol. 189; p. 294.
- Spool. S. Y. Austin and R. Dallis. No. 1,050,785; Jan. 21; Gaz. vol. 186; p. 567.
- Spool. S. H. Aven. No. 1,052,303; Feb. 4; Gaz. vol. 187; p. 157.
- Spool. W. Fairchild. No. 1,073,110; Sept. 16; Gaz. vol. 194; p. 564.
- Spool. A. Glaser and J. W. Edson. No. 1,074,786; Oct. 7; Gaz. vol. 195; p. 68.
- Spool and needle holder. R. H. Bennet. No. 1,061,590; May 13; Gaz. vol. 190; p. 390.
- Spool-bearing. J. E. Nace. No. 1,068,264; July 22; Gaz. vol. 192; p. 910.
- Spool-brake. M. J. Broder. No. 1,070,581; Aug. 19; Gaz. vol. 193; p. 585.
- Spool-head fastener. W. Barker. No. 1,066,699; July 8; Gaz. vol. 192; p. 308.
- Spool-holder. S. E. Creasey. No. 1,050,764; Jan. 14; Gaz. vol. 186; p. 524.
- Spool holder or case. O. J. Israel. No. 1,079,556; Nov. 25; Gaz. vol. 196; p. 890.
- Spool or bobbin. A. Glaser. No. 1,056,019; Mar. 18; Gaz. vol. 188; p. 529.
- Spool-rack. S. Haas. No. 1,063,920; June 3; Gaz. vol. 191; p. 257.
- Spool stand, Jack-. J. Rennie. No. 1,069,183; Aug. 5; Gaz. vol. 193; p. 33.
- Spool-unwinding device. J. L. Walsh. No. 1,080,739; Dec. 9; Gaz. vol. 197; p. 316.
- Spools for tuft-yarn carriers. G. F. Hutchins. No. 1,067,656; July 15; Gaz. vol. 192; p. 669.
- Spools, Means for securing heads to. W. Cronin. No. 1,078,419; Nov. 11; Gaz. vol. 196; p. 439.
- Spooler. H. D. Colman. No. 1,078,574; Nov. 11; Gaz. vol. 196; p. 489.
- Spooling-machine differential motion. P. Grosser. No. 1,080,965; Dec. 9; Gaz. vol. 197; p. 396.
- Spoon attachment. J. W. Lundahl. No. 1,074,441; Sept. 30; Gaz. vol. 194; p. 1070.
- Spoon-holder. W. J. Gibbons. No. 1,052,813; Feb. 11; Gaz. vol. 187; p. 363.
- Spoon-holder. S. E. Lyon. No. 1,062,107; May 20; Gaz. vol. 190; p. 603.
- Spoon-hook. J. E. Betts and C. Ewens. No. 1,050,759; Jan. 14; Gaz. vol. 186; p. 522.
- Spoon, Hypodermic. T. H. Forster. No. 1,081,901; Dec. 16; Gaz. vol. 197; p. 743.
- Spoon, Ice-cream. R. Nielsen. No. 1,052,370; Feb. 4; Gaz. vol. 187; p. 178.
- Spout-closure for receptacles. A. H. Curtiss. No. 1,077,677; Nov. 4; Gaz. vol. 196; p. 150.
- Spout-closure, Safety. W. J. Clarke. No. 1,052,710; Feb. 11; Gaz. vol. 187; p. 327.
- Spout, Discharge-. J. Dick. No. 1,050,623; Jan. 14; Gaz. vol. 186; p. 480.
- Spout, Dispensing-. W. W. Tilghman. No. 1,076,080; Oct. 21; Gaz. vol. 195; p. 567.
- Spout for bins and chambers, Discharge-. D. I. Miller. No. 1,057,074; Mar. 25; Gaz. vol. 188; p. 920.
- Spout for tin or paper receptacles, Pouring-. C. F. Blanke. No. 1,079,388; Nov. 25; Gaz. vol. 196; p. 833.
- Spout or pouring device for petrol-cans and the like. F. Liquorish. No. 1,054,972; Mar. 4; Gaz. vol. 188; p. 109.
- Spray-burner. E. W. Dunn. No. 1,051,831; Jan. 28; Gaz. vol. 186; p. 956.
- Spray-burner. J. Snedden. No. 1,079,272; Nov. 18; Gaz. vol. 196; p. 761.
- Spray, Cotton-. W. Walker. No. 1,071,486; Aug. 26; Gaz. vol. 193; p. 919.
- Spray-head. T. A. De Vilbiss. No. 1,052,223; Feb. 4; Gaz. vol. 187; p. 131.
- Spray-head for air-washers. S. R. Sheldon. No. 1,057,780; Apr. 1; Gaz. vol. 189; p. 131.
- Spray-heads for air-washers, Control for. S. R. Sheldon. No. 1,057,781; Apr. 1; Gaz. vol. 189; p. 131.
- Sprayer. W. C. Booz and L. Losure. No. 1,057,616; Apr. 1; Gaz. vol. 189; p. 75.
- Sprayer. G. R. Walker. No. 1,069,306; Aug. 5; Gaz. vol. 193; p. 76.
- Sprayer. W. A. Pungs. No. 1,079,721; Nov. 25; Gaz. vol. 196; p. 948.
- Sprayer, Automatic stock-. D. W. Nolan. No. 1,055,288; Mar. 4; Gaz. vol. 188; p. 210.
- Sprayer, Automatic stock-. D. W. Nolan. No. 1,055,289; Mar. 4; Gaz. vol. 188; p. 210.
- Sprayer, Chemical and insecticide. C. F. Sites. No. 1,082,141; Dec. 23; Gaz. vol. 197; p. 853.
- Sprayer, Powder-. L. A. and R. J. Nauss. No. 1,073,159; Sept. 16; Gaz. vol. 194; p. 580.
- Sprayer, Tree-. F. G. Hayes. No. 1,073,852; Sept. 23; Gaz. vol. 194; p. 844.
- Spraying and irrigating system, Tree-. R. Dunlap. No. 1,058,566; Apr. 8; Gaz. vol. 189; p. 446.
- Spraying apparatus. W. P. Mott. No. 1,057,657; Apr. 1; Gaz. vol. 189; p. 89.
- Spraying apparatus, Shoulder-bag water-. D. W. Adams. No. 1,081,648; Dec. 16; Gaz. vol. 197; p. 658.
- Spraying device. C. Boehm. No. 1,052,211; Feb. 4; Gaz. vol. 187; p. 127.
- Spraying device. W. T. King. No. 1,059,373; Apr. 22; Gaz. vol. 189; p. 799.
- Spraying device. A. J. Kuehl. No. 1,063,806; June 3; Gaz. vol. 191; p. 219.
- Spraying device. F. B. Graham. No. 1,075,562; Oct. 14; Gaz. vol. 195; p. 363.
- Spraying device, Tree-. H. H. Hardie. No. 1,079,335; Nov. 25; Gaz. vol. 196; p. 815.
- Spraying fluid under pressure, Means for supplying. R. M. Poole. No. 1,050,752; Jan. 14; Gaz. vol. 186; p. 520.
- Spraying fruit-trees and the like, Apparatus for. B. F. Cranwell. No. 1,056,324; Mar. 18; Gaz. vol. 188; p. 632.
- Spraying liquid into air, Device for. G. A. Schüller. No. 1,080,594; Dec. 9; Gaz. vol. 197; p. 267.
- Spraying-machine. D. W. Boxell. No. 1,060,423; Apr. 29; Gaz. vol. 189; p. 1199.
- Spraying machine, Dust-. G. C. and C. E. Johnson. No. 1,058,752; Apr. 15; Gaz. vol. 189; p. 548.
- Spraying machine, Orchard-. F. C. Thompson. No. 1,073,646; Sept. 23; Gaz. vol. 194; p. 773.
- Spraying oil on road-surfaces, Apparatus for. F. C. Pillsbury. No. 1,062,029; May 20; Gaz. vol. 190; p. 576.
- Spraying-wagon, Hillside. J. Herrmann. No. 1,058,699; Apr. 8; Gaz. vol. 189; p. 492.
- Spreader, concentrator, and amalgamator, Combined. K. Senn. No. 1,059,495; Apr. 22; Gaz. vol. 189; p. 842.
- Spring. *See* Bed-spring; Car-spring; Casing-spring; Door-spring; Friction-spring; Non-rattling spring; Piano-action spring; Pneumatic spring; Tire-spring; Vehicle-spring; Vehicle supplementary spring; Vehicle suspension-spring.
- Spring. A. Scheible. No. 1,055,662; Mar. 11; Gaz. vol. 188; p. 374.
- Spring. J. J. Newkirk. No. 1,064,161; June 10; Gaz. vol. 191; p. 374.
- Spring. O. Fritsche. No. 1,070,796; Aug. 19; Gaz. vol. 193; p. 657.
- Spring. F. G. Winkler. No. 1,074,582; Sept. 30; Gaz. vol. 194; p. 1115.
- Spring. W. A. Doble. No. 1,076,961; Oct. 28; Gaz. vol. 195; p. 931.
- Spring-adjusting mechanism. F. F. Dorsey. No. 1,078,134; Nov. 11; Gaz. vol. 196; p. 338.
- Spring and friction shock-absorber, Combined. C. N. Sowden. No. 1,079,191; Nov. 18; Gaz. vol. 196; p. 737.
- Spring and pneumatic wheel. J. A. Gray. No. 1,080,106; Dec. 2; Gaz. vol. 197; p. 66.
- Spring-attaching clip. S. J. Lavezzl. No. 1,065,614; June 24; Gaz. vol. 191; p. 935.
- Spring-board holder. T. L. Fay. No. 1,057,998; Apr. 1; Gaz. vol. 189; p. 205.

Alphabetical list of inventions—Continued.

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- Spring-brake and automatic starter. S. Lyons. No. 1,059,377; Apr. 22; Gaz. vol. 189; p. 800.
- Spring-clamp. W. Gaertner. No. 1,052,234; Feb. 4; Gaz. vol. 187; p. 135.
- Spring-clamp. G. O. Helvig and T. Miller. No. 1,066,495; July 8; Gaz. vol. 192; p. 235.
- Spring-clamp hanger. L. S. Allen. No. 1,064,952; June 17; Gaz. vol. 191; p. 675.
- Spring construction. S. M. Raftery. No. 1,079,664; Nov. 25; Gaz. vol. 196; p. 928.
- Spring - controlled mechanism. P. Willmann. No. 1,068,290; July 22; Gaz. vol. 192; p. 919.
- Spring-cover. A. E. Peters. No. 1,080,652; Dec. 9; Gaz. vol. 197; p. 286.
- Spring-cushion. B. M. A. Phelps. No. 1,067,193; July 8; Gaz. vol. 192; p. 475.
- Spring-cushion and weather-strip. J. F. Fauner. No. 1,052,576; Feb. 11; Gaz. vol. 187; p. 282.
- Spring drilling apparatus. A. C. Ludlum. No. 1,053,189; Feb. 18; Gaz. vol. 187; p. 535.
- Spring-driven device. D. F. Green. No. 1,057,543; Apr. 1; Gaz. vol. 189; p. 50.
- Spring equalizer system. W. W. Pitts. No. 1,076,056; Oct. 21; Gaz. vol. 195; p. 559.
- Spring fastening device. J. Schade, Jr. No. 1,049,609; Jan. 7; Gaz. vol. 186; p. 100.
- Spring for beds, couches, and the like. A. Garmise. No. 1,070,678; Aug. 19; Gaz. vol. 193; p. 617.
- Spring-forming and tempering machine. G. H. Beaumont, J. F. Beans, and J. E. Lehman. No. 1,061,721; May 13; Gaz. vol. 190; p. 435.
- Spring-forming machine. Coil. G. E. Bigelow. No. 1,065,336; June 24; Gaz. vol. 191; p. 840.
- Spring-guard. S. P. Wilbur. No. 1,081,072; Dec. 9; Gaz. vol. 197; p. 428.
- Spring-hook. E. R. Chittenden. No. 1,059,117; Apr. 15; Gaz. vol. 189; p. 676.
- Spring-hooking machine, Helical. N. S. Harter. No. 1,051,497; Jan. 28; Gaz. vol. 186; p. 845.
- Spring-hub wheel. E. Kreh. No. 1,055,283; Mar. 4; Gaz. vol. 188; p. 209.
- Spring-lid box. J. R. Sundee. No. 1,069,299; Aug. 5; Gaz. vol. 193; p. 74.
- Spring-lock. A. Harlan. No. 1,062,909; May 27; Gaz. vol. 190; p. 911.
- Spring, Means for regulating and lubricating a laminated. M. Houdaille. No. 1,050,138; Jan. 14; Gaz. vol. 186; p. 311.
- Spring-motor. W. L. Dayton. No. 1,052,410; Feb. 4; Gaz. vol. 187; p. 193.
- Spring-motor. A. S. Cheek. No. 1,058,409; Apr. 8; Gaz. vol. 189; p. 394.
- Spring-motor. D. E. Wall. No. 1,059,414; Apr. 22; Gaz. vol. 189; p. 814.
- Spring-motor. H. L. Pitman. No. 1,060,704; May 6; Gaz. vol. 190; p. 49.
- Spring-motor. V. W. Creech. No. 1,075,023; Oct. 7; Gaz. vol. 195; p. 150.
- Spring-motor. H. L. Pitman. No. 1,076,314; Oct. 21; Gaz. vol. 195; p. 649.
- Spring-roller. E. H. McCloud. No. 1,074,277; Sept. 30; Gaz. vol. 194; p. 1015.
- Spring-roller, Extension. S. E. Mallery. No. 1,077,149; Oct. 28; Gaz. vol. 195; p. 991.
- Spring-seat. D. C. Travis. No. 1,051,466; Jan. 28; Gaz. vol. 186; p. 834.
- Spring-seat. B. J. Forster. No. 1,053,588; Feb. 18; Gaz. vol. 187; p. 674.
- Spring-seat. W. Lewis. No. 1,062,597; May 27; Gaz. vol. 190; p. 807.
- Spring-seat structure. L. A. Young. No. 1,050,900; Jan. 21; Gaz. vol. 186; p. 609.
- Spring structure. G. C. Shoemaker. No. 1,059,080; Apr. 15; Gaz. vol. 189; p. 663.
- Spring structure. W. E. Andrew. No. 1,060,879; May 6; Gaz. vol. 190; p. 109.
- Spring structure. G. B. Brink. No. 1,061,218; May 6; Gaz. vol. 190; p. 225.
- Spring structure. G. B. Brink. No. 1,061,219; May 6; Gaz. vol. 190; p. 225.
- Spring structure. G. C. Shoemaker. No. 1,076,164; Oct. 21; Gaz. vol. 195; p. 596.
- Spring supporter and repairer. L. D. Corser. No. 1,056,631; Mar. 18; Gaz. vol. 188; p. 739.
- Spring supporting system. J. Holt. No. 1,075,106; Oct. 7; Gaz. vol. 195; p. 178.
- Spring suspension. J. H. Ptacek-Bird. No. 1,063,943; June 3; Gaz. vol. 191; p. 265.
- Spring-switch. F. H. Ellis. No. 1,061,530; May 13; Gaz. vol. 190; p. 368.
- Spring-switch. C. A. Psilander. No. 1,064,537; June 10; Gaz. vol. 191; p. 503.
- Spring terminal clip. C. Barr. No. 1,078,766; Nov. 18; Gaz. vol. 196; p. 590.
- Spring-tightener. L. M. Mengle and A. Griffiths. No. 1,074,515; Sept. 30; Gaz. vol. 194; p. 1092.
- Spring-trap. A. R. Mebane. No. 1,077,850; Nov. 4; Gaz. vol. 196; p. 208.
- Spring-wheel. S. F. Zenger. No. 1,040,635; Jan. 7; Gaz. vol. 186; p. 109.
- Spring-wheel. J. Sanders. No. 1,050,853; Jan. 21; Gaz. vol. 186; p. 592.
- Spring-wheel. O. C. Messick and F. Jefferson. No. 1,051,745; Jan. 28; Gaz. vol. 186; p. 927.
- Spring-wheel. D. C. Anderson. No. 1,052,027; Feb. 4; Gaz. vol. 187; p. 63.
- Spring-wheel. V. E. Lane. No. 1,052,350; Feb. 4; Gaz. vol. 187; p. 172.
- Spring-wheel. R. M. Burgess. No. 1,052,565; Feb. 11; Gaz. vol. 187; p. 278.
- Spring-wheel. M. Mathiesen. No. 1,052,681; Feb. 11; Gaz. vol. 187; p. 318.
- Spring-wheel. E. H. Fisher. No. 1,053,166; Feb. 18; Gaz. vol. 187; p. 528.
- Spring-wheel. E. B. Keemer. No. 1,053,402; Feb. 18; Gaz. vol. 187; p. 610.
- Spring-wheel. S. D. Brooks. No. 1,054,501; Feb. 25; Gaz. vol. 187; p. 1022.
- Spring-wheel. O. P. McKee. No. 1,054,587; Feb. 25; Gaz. vol. 187; p. 1050.
- Spring-wheel. C. W. Ham. No. 1,055,742; Mar. 11; Gaz. vol. 188; p. 400.
- Spring-wheel. J. T. Weinzierl and J. Sturtevant. No. 1,058,395; Apr. 8; Gaz. vol. 189; p. 389.
- Spring-wheel. F. H. Allen. No. 1,058,517; Apr. 8; Gaz. vol. 189; p. 430.
- Spring-wheel. F. Klitchko. No. 1,059,616; Apr. 22; Gaz. vol. 189; p. 881.
- Spring-wheel. H. W. Lang. No. 1,059,882; Apr. 22; Gaz. vol. 189; p. 967.
- Spring-wheel. W. T. Urie. No. 1,060,146; Apr. 29; Gaz. vol. 189; p. 1099.
- Spring-wheel. U. G. Weidman. No. 1,060,147; Apr. 29; Gaz. vol. 189; p. 1100.
- Spring-wheel. A. Bernier. No. 1,060,420; Apr. 29; Gaz. vol. 189; p. 1198.
- Spring-wheel. M. H. Cruise. No. 1,060,823; May 6; Gaz. vol. 190; p. 89.
- Spring-wheel. B. Anderson. No. 1,061,799; May 13; Gaz. vol. 190; p. 458.
- Spring-wheel. F. H. White. No. 1,062,676; May 27; Gaz. vol. 190; p. 834.
- Spring-wheel. E. G. Woodlee. No. 1,063,100; May 27; Gaz. vol. 190; p. 973.
- Spring-wheel. O. H. Hinds. No. 1,063,161; May 27; Gaz. vol. 190; p. 993.
- Spring-wheel. R. Rutherford. No. 1,063,219; June 3; Gaz. vol. 191; p. 17.
- Spring-wheel. O. J. Olson. No. 1,063,465; June 3; Gaz. vol. 191; p. 99.
- Spring-wheel. S. R. Dwiggins and L. E. Kelley. No. 1,063,784; June 3; Gaz. vol. 191; p. 213.
- Spring-wheel. F. W. Bristow. No. 1,064,438; June 10; Gaz. vol. 191; p. 470.
- Spring-wheel. T. N. Jordan. No. 1,064,837; June 17; Gaz. vol. 191; p. 639.
- Spring-wheel. C. D. Freeman and R. W. Cheesbrough. No. 1,064,896; June 17; Gaz. vol. 191; p. 657.
- Spring-wheel. F. J. Nicolet. No. 1,065,386; June 24; Gaz. vol. 191; p. 857.
- Spring-wheel. W. J. Peterson. No. 1,066,047; July 1; Gaz. vol. 192; p. 51.
- Spring-wheel. H. A. Schermerhorn. No. 1,066,228; July 1; Gaz. vol. 192; p. 116.
- Spring-wheel. F. W. J. Goersch. No. 1,066,724; July 8; Gaz. vol. 192; p. 317.
- Spring-wheel. E. E. Kerns. No. 1,067,349; July 15; Gaz. vol. 192; p. 566.
- Spring-wheel. D. H. Brinkman. No. 1,068,408; July 29; Gaz. vol. 192; p. 998.
- Spring-wheel. A. O. Smith. No. 1,068,457; July 29; Gaz. vol. 192; p. 1015.
- Spring-wheel. E. Farina. No. 1,068,874; July 29; Gaz. vol. 192; p. 1161.
- Spring-wheel. S. Gordon. No. 1,069,410; Aug. 5; Gaz. vol. 193; p. 113.
- Spring-wheel. V. Martin. No. 1,069,624; Aug. 5; Gaz. vol. 193; p. 185.
- Spring-wheel. W. S. Allyn. No. 1,069,663; Aug. 12; Gaz. vol. 193; p. 227.
- Spring-wheel. J. E. Fisher and T. M. Andrews. No. 1,069,686; Aug. 12; Gaz. vol. 193; p. 235.
- Spring-wheel. W. S. Hancock. No. 1,070,458; Aug. 19; Gaz. vol. 193; p. 542.
- Spring-wheel. J. A. Kramer. No. 1,070,702; Aug. 19; Gaz. vol. 193; p. 625.
- Spring-wheel. E. J. Glackin. No. 1,071,153; Aug. 26; Gaz. vol. 193; p. 807.
- Spring-wheel. G. S. Andrus. No. 1,071,543; Aug. 26; Gaz. vol. 193; p. 937.
- Spring-wheel. W. A. Crawford-Frost. No. 1,072,433; Sept. 9; Gaz. vol. 194; p. 289.
- Spring-wheel. E. D. Smith. No. 1,073,368; Sept. 16; Gaz. vol. 194; p. 656.
- Spring-wheel. R. C. Behrends. No. 1,074,235; Sept. 30; Gaz. vol. 194; p. 1002.
- Spring-wheel. S. J. Poyner. No. 1,074,290; Sept. 30; Gaz. vol. 194; p. 1020.

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- Spring-wheel. W. L. Mann. No. 1,075,838; Oct. 14; Gaz. vol. 195; p. 457.
- Spring-wheel. W. J. and P. Cook. No. 1,076,003; Oct. 14; Gaz. vol. 195; p. 514.
- Spring-wheel. P. M. Kling. No. 1,077,410; Nov. 4; Gaz. vol. 196; p. 60.
- Spring-wheel. A. D. Seibert and B. R. Andrus. No. 1,077,434; Nov. 4; Gaz. vol. 196; p. 68.
- Spring-wheel. H. C. Knight. No. 1,078,150; Nov. 11; Gaz. vol. 196; p. 343.
- Spring-wheel. V. Mancini. No. 1,078,632; Nov. 18; Gaz. vol. 196; p. 541.
- Spring-wheel. J. D. Collier. No. 1,079,840; Nov. 25; Gaz. vol. 196; p. 990.
- Spring-wheel. A. Morgan. No. 1,080,649; Dec. 9; Gaz. vol. 197; p. 285.
- Spring-wheel. F. W. Pramschüfer. No. 1,081,146; Dec. 9; Gaz. vol. 197; p. 453.
- Spring-wheel. A. Laurencich. No. 1,081,844; Dec. 16; Gaz. vol. 197; p. 726.
- Spring-wheel. E. R. White. No. 1,082,380; Dec. 23; Gaz. vol. 197; p. 938.
- Spring-wheel. C. N. Sowden. No. 1,082,915; Dec. 30; Gaz. vol. 197; p. 1156.
- Spring-wheel. M. B. Ray and E. K. Henderson. No. 1,082,973; Dec. 30; Gaz. vol. 197; p. 1176.
- Spring wheel, Cushion-. H. J. Marks. No. 1,052,358; Feb. 4; Gaz. vol. 187; p. 174.
- Springs, Apparatus for coiling and bending helical. N. S. Harter. No. 1,050,363; Jan. 14; Gaz. vol. 186; p. 389.
- Springs, Making coiled. C. P. Byrnes. No. 1,063,505; June 3; Gaz. vol. 191; p. 113.
- Springs, Tool for handling compressed coiled. J. F. Haussmann. No. 1,077,606; Nov. 4; Gaz. vol. 196; p. 126.
- Sprinkler. See Automatic sprinkler; Lawn-sprinkler; Rotary sprinkler; Street-sprinkler.
- Sprinkler. J. H. Keys. No. 1,076,890; Oct. 28; Gaz. vol. 195; p. 905.
- Sprinkler. J. S. Hadden and F. H. Johnson. No. 1,078,433; Nov. 11; Gaz. vol. 196; p. 444.
- Sprinkler. J. P. Campbell. No. 1,080,136; Dec. 2; Gaz. vol. 197; p. 76.
- Sprinkler. W. A. Parish. No. 1,082,437; Dec. 23; Gaz. vol. 197; p. 956.
- Sprinkler attachment. E. E. Hansen. No. 1,071,520; Aug. 26; Gaz. vol. 193; p. 930.
- Sprinkler attachment. W. B. Hammond. No. 1,077,830; Nov. 4; Gaz. vol. 196; p. 201.
- Sprinkler supervisory system. C. F. Patterson. No. 1,063,058; May 27; Gaz. vol. 190; p. 959.
- Sprinkler systems, Flow-indicating device for. J. H. Derby. No. 1,058,042; Apr. 8; Gaz. vol. 189; p. 264.
- Sprinkling apparatus. E. A. Mathers. No. 1,068,796; July 29; Gaz. vol. 192; p. 1133.
- Sprinkling apparatus. E. A. Mathers. No. 1,068,797; July 29; Gaz. vol. 192; p. 1133.
- Sprinkling apparatus, Automatic. W. E. Harris. No. 1,056,901; Mar. 25; Gaz. vol. 188; p. 861.
- Sprocket-wheel. F. L. Morse. No. 1,071,946; Sept. 2; Gaz. vol. 194; p. 95.
- Spur. W. A. Barr. No. 1,065,019; June 17; Gaz. vol. 191; p. 697.
- Spur, Adjustable. J. B. Copley. No. 1,057,620; Apr. 1; Gaz. vol. 189; p. 76.
- Spy-glass, Folding. L. C. Stuart. No. 1,054,253; Feb. 25; Gaz. vol. 187; p. 936.
- Square. C. C. Lortz. No. 1,068,679; July 29; Gaz. vol. 192; p. 1091.
- Square. G. W. Bowers. No. 1,073,089; Sept. 16; Gaz. vol. 194; p. 557.
- Square. J. M. Brown. No. 1,076,095; Oct. 21; Gaz. vol. 195; p. 574.
- Square and level, Adjustable. F. G. Cole. No. 1,079,110; Nov. 18; Gaz. vol. 196; p. 709.
- Square, Carpenter's. B. O. Sweum. No. 1,061,423; May 13; Gaz. vol. 190; p. 329.
- Square, Framing-. F. S. Higgins. No. 1,065,046; June 17; Gaz. vol. 191; p. 705.
- Square, Knockdown carpenter's. F. B. Hardsocg. No. 1,065,242; June 17; Gaz. vol. 191; p. 771.
- Square, Printer's. J. Blizard and W. U. Colthar. No. 1,053,083; Feb. 11; Gaz. vol. 187; p. 456.
- Square, Roof-. P. N. Berggren. No. 1,059,264; Apr. 15; Gaz. vol. 189; p. 725.
- Square, Separable. O. R. Altwein. No. 1,064,953; June 17; Gaz. vol. 191; p. 676.
- Square, Stair-. A. R. Tucker. No. 1,053,757; Feb. 18; Gaz. vol. 187; p. 732.
- Square, T-. G. Foerst. No. 1,082,626; Dec. 30; Gaz. vol. 197; p. 1055.
- Square, Take-down. A. A. Page. No. 1,074,892; Oct. 7; Gaz. vol. 195; p. 103.
- Squares, Framing attachment for carpenters'. J. D. Wall. No. 1,060,388; Apr. 29; Gaz. vol. 189; p. 1186.
- Squeegee. F. J. Matchette. No. 1,057,253; Mar. 25; Gaz. vol. 188; p. 983.
- Squeezer. R. B. Gilchrist. No. 1,053,590; Feb. 18; Gaz. vol. 187; p. 675.
- Stacker. J. Larsen. No. 1,052,068; Feb. 4; Gaz. vol. 187; p. 77.
- Stacker, Foldable hay-. A. F. Kea. No. 1,069,704; Aug. 12; Gaz. vol. 193; p. 241.
- Stacker, Grain-. F. Jirousek. No. 1,068,138; July 22; Gaz. vol. 192; p. 866.
- Stacker, Hay-. M. M. Durham. No. 1,054,681; Mar. 4; Gaz. vol. 188; p. 10.
- Stacker, Hay-. J. M. Croan. No. 1,057,040; Mar. 25; Gaz. vol. 188; p. 910.
- Stacker, Hay-. H. A. Daniels. No. 1,071,511; Aug. 26; Gaz. vol. 193; p. 927.
- Stacker-hood. P. A. Mulchy. No. 1,050,286; Jan. 14; Gaz. vol. 186; p. 362.
- Stacker, Pneumatic. G. F. Conner. No. 1,059,658; Apr. 22; Gaz. vol. 189; p. 895.
- Stacker, Pneumatic straw-. A. P. Determann. No. 1,066,260; July 1; Gaz. vol. 192; p. 128.
- Stacker, Straw-. M. Heineke. (Reissue.) No. 13,522; Feb. 4; Gaz. vol. 187; p. 206.
- Stackers, Feeding attachment for pneumatic. J. W. Plummer. No. 1,076,057; Oct. 21; Gaz. vol. 195; p. 560.
- Stackers, Hay-retainer for. L. Eckert. No. 1,077,819; Nov. 4; Gaz. vol. 196; p. 198.
- Stacking mechanism. L. C. Palmer. No. 1,067,839; July 22; Gaz. vol. 192; p. 764.
- Stacking mechanism. W. R. Allen. No. 1,079,089; Nov. 18; Gaz. vol. 196; p. 701.
- Staff-holder. F. H. Ward. No. 1,053,255; Feb. 18; Gaz. vol. 187; p. 559.
- Stage-border-light rigging. W. Camph. No. 1,055,020; Mar. 4; Gaz. vol. 188; p. 124.
- Stage-footlighting. C. M. Taylor. No. 1,079,195; Nov. 18; Gaz. vol. 196; p. 738.
- Stage illusion. J. Meiklejohn. No. 1,079,423; Nov. 25; Gaz. vol. 196; p. 845.
- Stage-noise apparatus. I. L. Stanger. No. 1,052,185; Feb. 4; Gaz. vol. 187; p. 119.
- Stage-noise apparatus. I. L. Stanger and C. B. Fithian. No. 1,060,717; May 6; Gaz. vol. 190; p. 54.
- Staging and scaffolding bracket. E. Schärer. No. 1,082,448; Dec. 23; Gaz. vol. 197; p. 959.
- Stair. A. E. Rendle and J. T. Nesdall. No. 1,063,216; June 3; Gaz. vol. 191; p. 16.
- Stair. F. A. Winslow. No. 1,081,074; Dec. 9; Gaz. vol. 197; p. 428.
- Stair, Counterbalanced. C. H. Burch and W. B. Gervais. No. 1,059,272; Apr. 15; Gaz. vol. 189; p. 728.
- Stair, Counterbalanced. O. C. Fosselman. No. 1,077,976; Nov. 11; Gaz. vol. 196; p. 283.
- Stair-rod. H. J. Sharpe. No. 1,063,837; June 3; Gaz. vol. 191; p. 230.
- Stair structure. H. C. Baldry. No. 1,069,596; Aug. 5; Gaz. vol. 193; p. 174.
- Stair structure, Metallic. J. T. Nesdall. No. 1,075,156; Oct. 7; Gaz. vol. 195; p. 195.
- Stair-tread anchor. H. H. Verity and J. Hanson. No. 1,056,607; Mar. 18; Gaz. vol. 188; p. 730.
- Stair-tread and the like. E. S. Higgins. No. 1,051,583; Jan. 28; Gaz. vol. 186; p. 875.
- Staircase. O. H. Olfe. No. 1,051,753; Jan. 28; Gaz. vol. 186; p. 930.
- Staircase with flagstone stairs. Iron. J. Lang. No. 1,073,250; Sept. 16; Gaz. vol. 194; p. 613.
- Stairway, Movable. J. and R. D. Motznik. No. 1,052,613; Feb. 11; Gaz. vol. 187; p. 296.
- Stake-holder. L. Teegarden. No. 1,075,448; Oct. 14; Gaz. vol. 195; p. 325.
- Stake-pocket, Hinged. R. P. Borga. No. 1,073,790; Sept. 23; Gaz. vol. 194; p. 823.
- Stake, Releasable. C. W. Jones. No. 1,053,999; Feb. 25; Gaz. vol. 187; p. 850.
- Stakes, Means for supporting and releasing retaining-. J. D. Mauch and F. Martin. No. 1,083,118; Dec. 30; Gaz. vol. 197; p. 1222.
- Stalk-breaker. J. A. Marshall. No. 1,064,233; June 10; Gaz. vol. 191; p. 399.
- Stalk-chopping device. J. B. George and O. Stelzig. No. 1,052,240; Feb. 4; Gaz. vol. 187; p. 137.
- Stalk-cutter. T. L. McMinn. No. 1,052,839; Feb. 11; Gaz. vol. 187; p. 372.
- Stalk-cutter. P. J. Graul. No. 1,055,901; Mar. 11; Gaz. vol. 188; p. 455.
- Stalk-cutter. J. N. Smiley. No. 1,059,320; Apr. 15; Gaz. vol. 189; p. 744.
- Stalk-cutter. J. W. Green. No. 1,059,357; Apr. 22; Gaz. vol. 189; p. 794.
- Stalk-cutter. G. R. Spira. No. 1,059,404; Apr. 22; Gaz. vol. 189; p. 810.
- Stalk-cutter. D. D. Jackson. No. 1,067,429; July 15; Gaz. vol. 192; p. 593.
- Stalk-cutter. E. M. Cole. No. 1,074,930; Oct. 7; Gaz. vol. 195; p. 116.
- Stalk-cutter. W. A. Martin. No. 1,079,505; Nov. 25; Gaz. vol. 196; p. 873.
- Stalk-cutter. R. A. Blunck. No. 1,081,201; Dec. 9; Gaz. vol. 197; p. 471.
- Stall. W. L. Root. No. 1,062,119; May 20; Gaz. vol. 190; p. 606.

Alphabetical list of inventions—Continued.

- Stall, Animal-. H. L. and H. J. Ferris. No. 1,066,194; July 1; Gaz. vol. 192; p. 104.
- Stall attachment, Cow-. L. H. Larson. No. 1,050,958; Jan. 21; Gaz. vol. 186; p. 629.
- Stall, Cattle-. A. H. Neller. No. 1,062,295; May 20; Gaz. vol. 190; p. 667.
- Stall, Cattle-. A. H. Neller. No. 1,072,352; Sept. 2; Gaz. vol. 194; p. 230.
- Stall construction. H. L. Ferris. No. 1,057,720; Apr. 1; Gaz. vol. 189; p. 111.
- Stall construction. H. L. Ferris. No. 1,068,753; July 29; Gaz. vol. 192; p. 1117.
- Stall construction. H. L. Ferris. No. 1,078,999; Nov. 18; Gaz. vol. 196; p. 670.
- Stall, Cow-. O. Erf. No. 1,054,287; Feb. 25; Gaz. vol. 187; p. 946.
- Stall, Cow-. W. Loudon. No. 1,057,249; Mar. 25; Gaz. vol. 188; p. 981.
- Stall-frame. F. G. and A. E. Harris. No. 1,053,031; Feb. 11; Gaz. vol. 187; p. 437.
- Stall stop device. H. L. Ferris. No. 1,064,466; June 10; Gaz. vol. 191; p. 479.
- Stamp. W. J. Pannier, Jr. (Reissue.) No. 13,521; Jan. 28; Gaz. vol. 186; p. 965.
- Stamp. L. R. Schmidt. No. 1,069,192; Aug. 5; Gaz. vol. 193; p. 37.
- Stamp. W. J. Pannier, Jr. No. 1,071,527; Aug. 26; Gaz. vol. 193; p. 932.
- Stamp. W. J. Pannier, Jr. No. 1,071,626; Aug. 26; Gaz. vol. 193; p. 966.
- Stamp. O. M. Pannier. No. 1,079,061; Nov. 18; Gaz. vol. 196; p. 692.
- Stamp. J. H. Matthews and J. Stein. No. 1,081,394; Dec. 16; Gaz. vol. 197; p. 575.
- Stamp-affixer. G. T. Trundle. No. 1,051,650; Jan. 28; Gaz. vol. 186; p. 897.
- Stamp-affixer. A. Hall. No. 1,065,043; June 17; Gaz. vol. 191; p. 704.
- Stamp-affixer. C. J. Fancher. No. 1,077,954; Nov. 4; Gaz. vol. 196; p. 245.
- Stamp-affixing and envelop-sealing machine. E. J. Abbott. No. 1,055,692; Mar. 11; Gaz. vol. 188; p. 384.
- Stamp-affixing and envelop-sealing machine. F. R. S. Ditmars. No. 1,072,585; Sept. 9; Gaz. vol. 194; p. 342.
- Stamp-affixing device. A. Hall. No. 1,071,912; Sept. 2; Gaz. vol. 194; p. 84.
- Stamp-affixing machine. J. F. Raleigh. No. 1,052,691; Feb. 11; Gaz. vol. 187; p. 321.
- Stamp-affixing machine. J. D. Thompson. No. 1,063,226; June 3; Gaz. vol. 191; p. 19.
- Stamp-affixing machine. J. W. Neary. No. 1,065,831; June 24; Gaz. vol. 191; p. 1008.
- Stamp-affixing machine. F. R. Allen. No. 1,071,631; Aug. 26; Gaz. vol. 193; p. 967.
- Stamp-affixing machine. C. C. Lanpbear. No. 1,079,567; Nov. 25; Gaz. vol. 196; p. 895.
- Stamp and coin envelop. D. C. Zivley. No. 1,077,783; Nov. 4; Gaz. vol. 196; p. 186.
- Stamp and label affixer. C. Leishman. No. 1,082,346; Dec. 23; Gaz. vol. 197; p. 927.
- Stamp and label affixing device. J. J. McDade. No. 1,070,277; Aug. 12; Gaz. vol. 193; p. 437.
- Stamp attacher, Automatic postage. J. M. Stevens, E. D. Harrison, and J. J. Machado. No. 1,079,892; Nov. 25; Gaz. vol. 196; p. 1008.
- Stamp feeding and affixing device. H. Issemaorst and H. Angerstein. No. 1,081,270; Dec. 9; Gaz. vol. 197; p. 495.
- Stamp, Hand-. H. S. Folger and A. M. Comstock. No. 1,053,803; Feb. 18; Gaz. vol. 187; p. 747.
- Stamp, Hand-. H. S. Folger and A. M. Comstock. No. 1,057,380; Mar. 25; Gaz. vol. 188; p. 1023.
- Stamp, Hand-. M. Tilden. No. 1,069,356; Aug. 5; Gaz. vol. 193; p. 94.
- Stamp, Hand-. E. M. Rathburn. No. 1,069,468; Aug. 5; Gaz. vol. 193; p. 133.
- Stamp, Impression-. W. Wells. No. 1,060,521; Apr. 29; Gaz. vol. 189; p. 1231.
- Stamp-mill-operating means. E. Dollar. No. 1,082,015; Dec. 23; Gaz. vol. 197; p. 812.
- Stamp or label applying means. A. and H. Thun. No. 1,066,342; July 1; Gaz. vol. 192; p. 154.
- Stamp or label delivery mechanism. B. D. Straight. No. 1,072,054; Sept. 2; Gaz. vol. 194; p. 131.
- Stamp or label delivery mechanism. B. D. Straight. No. 1,072,055; Sept. 2; Gaz. vol. 194; p. 131.
- Stamp or ticket vending machine. S. L. W. Coe. No. 1,080,138; Dec. 2; Gaz. vol. 197; p. 77.
- Stamp-perforating machine, Postage. N. J. Marsh. No. 1,052,680; Feb. 11; Gaz. vol. 187; p. 318.
- Stamp-rack. A. Buhl. No. 1,069,108; Aug. 5; Gaz. vol. 193; p. 7.
- Stamp, Registering-. M. G. Standley. No. 1,058,008; Apr. 1; Gaz. vol. 189; p. 209.
- Stamp, Registering-. M. G. Standley. No. 1,067,448; July 15; Gaz. vol. 192; p. 599.
- Stamp, Rubber. E. L. Hamilton. No. 1,052,143; Feb. 4; Gaz. vol. 187; p. 104.
- Stamp, Ticket-dating. S. J. Harry. No. 1,068,896; July 29; Gaz. vol. 192; p. 1169.
- Stamp, Time-. G. E. Perry. No. 1,059,755; Apr. 22; Gaz. vol. 189; p. 927.
- Stamp, Time-. J. Alsenz. No. 1,076,258; Oct. 21; Gaz. vol. 195; p. 627.
- Stamps, labels, or sealing-strips, Drying apparatus for. G. W. Gwinn. No. 1,074,358; Sept. 30; Gaz. vol. 194; p. 1042.
- Stamps, labels, or the like to envelopes or the like, Machine for affixing. I. Michel and R. Stein. No. 1,063,462; June 3; Gaz. vol. 191; p. 98.
- Stamps, labels, or the like to envelopes or the like, Machine for affixing. I. Michel and R. Stein. No. 1,079,058; Nov. 18; Gaz. vol. 196; p. 691.
- Stamps, Manufacture of. L. Nedomansky. No. 1,077,740; Nov. 4; Gaz. vol. 196; p. 171.
- Stamps on beer-casks, Implement for destroying revenue. C. Wehner. No. 1,080,312; Dec. 2; Gaz. vol. 197; p. 137.
- Stamper-feed. J. A. Markoe. No. 1,066,027; July 1; Gaz. vol. 192; p. 43.
- Stamping apparatus, Signaling device for letter-. H. Angerstein. No. 1,079,319; Nov. 25; Gaz. vol. 196; p. 809.
- Stamping device. D. J. Higginbotham. No. 1,078,854; Nov. 18; Gaz. vol. 196; p. 620.
- Stamping-machine. W. J. Pannier, Jr. No. 1,049,908; Jan. 7; Gaz. vol. 186; p. 200.
- Stamping-machine. J. W. Terry. No. 1,068,947; July 29; Gaz. vol. 192; p. 1186.
- Stamping-machine. H. J. Grant. No. 1,082,023; Dec. 23; Gaz. vol. 197; p. 814.
- Stamping-machine. F. M. Mahood. No. 1,082,541; Dec. 30; Gaz. vol. 197; p. 1023.
- Stamping-machine, Automatic. H. C. Brown. No. 1,061,040; May 6; Gaz. vol. 190; p. 167.
- Stamping, marking, or numbering machine. F. W. Merrick. No. 1,065,885; June 24; Gaz. vol. 191; p. 1027.
- Stamping mechanism. C. G. Furman. No. 1,073,340; Sept. 16; Gaz. vol. 194; p. 646.
- Stamping mechanism, Coin-freed. F. Hilton. No. 1,068,240; July 22; Gaz. vol. 192; p. 902.
- Stamping-presses and the like, Safety mechanism for. A. F. Wallbillich. No. 1,078,391; Nov. 11; Gaz. vol. 196; p. 430.
- Stamping, punching, or cutting machine safety attachment. A. H. Beil. No. 1,082,188; Dec. 23; Gaz. vol. 197; p. 869.
- Stamping, punching, shearing, or similar machine. F. H. Pierpont. No. 1,061,563; May 13; Gaz. vol. 190; p. 381.
- Stanchion. A. J. Butler. No. 1,052,458; Feb. 11; Gaz. vol. 187; p. 243.
- Stanchion. H. L. and H. J. Ferris. No. 1,066,195; July 1; Gaz. vol. 192; p. 104.
- Stanchion. A. Bergquist. No. 1,066,983; July 8; Gaz. vol. 192; p. 403.
- Stanchion. G. Tarcza. No. 1,077,569; Nov. 4; Gaz. vol. 196; p. 115.
- Stanchion. G. G. Friberg. No. 1,080,755; Dec. 9; Gaz. vol. 197; p. 323.
- Stanchion. W. D. James. No. 1,081,045; Dec. 9; Gaz. vol. 197; p. 420.
- Stanchion, Cattle-. N. Logan and H. P. Hanson. No. 1,059,177; Apr. 15; Gaz. vol. 189; p. 695.
- Stanchion, Cattle-. F. Boettcher. No. 1,071,136; Aug. 26; Gaz. vol. 193; p. 802.
- Stanchion, Cattle-. A. L. Cramer. No. 1,079,166; Nov. 18; Gaz. vol. 196; p. 728.
- Stanchion, Cattle-. W. F. Jacobs. No. 1,080,065; Dec. 2; Gaz. vol. 197; p. 51.
- Stanchion-lock, Spring. M. B. Hiner. No. 1,071,316; Aug. 26; Gaz. vol. 193; p. 863.
- Stanchion, Stock-. J. A. Baum. No. 1,052,558; Feb. 11; Gaz. vol. 187; p. 275.
- Stanchions, Chain attachment for adjustable. W. D. James. No. 1,071,236; Aug. 26; Gaz. vol. 193; p. 836.
- Stand: See Adding-machine-motor stand; Adjustable stand; Advertising display-stand; Banana-stand; Bicycle-stand; Blacking-stand; Boiler-stand; Book-stand; Calendar-stand; Card-stand; Collapsible stand; Display-stand; Drum-stand; Flower-stand; Folding stand; Grand-stand; Hammock-stand; Instrument-stand; Lamp-stand; Music-stand; Newspaper-stand; Photographic-printing stand; Railway-switch stand; Sewing-machine stand; Spool-stand; Supporting-stand; Switch-stand; Telephone-receiver stand; Thread-stand; Toasting-stand; Trolley-stand; Type-writing-machine stand; Wheel-stand.
- Stand-pipe or water-column. E. E. Johnson. No. 1,060,844; May 6; Gaz. vol. 190; p. 97.
- Standard gage. M. Foulon. No. 1,057,954; Apr. 1; Gaz. vol. 189; p. 190.
- Stannic chlorid, Manufacture of. W. F. Doerflinger. No. 1,055,617; Mar. 11; Gaz. vol. 188; p. 358.
- Stannic chlorid, Producing hydrates of. W. F. Doerflinger. No. 1,055,727; Mar. 11; Gaz. vol. 188; p. 395.
- Staple. D. Cameron. No. 1,051,310; Jan. 21; Gaz. vol. 186; p. 749.
- Staple. J. N. Moore. No. 1,072,974; Sept. 9; Gaz. vol. 194; p. 481.
- Staple, Fence-post. P. J. Haas. No. 1,069,127; Aug. 5; Gaz. vol. 193; p. 13.

Alphabetical list of inventions--Continued.

- Staple forming and inserting machine. E. Erickson and J. W. Cosgrove. No. 1,059,984; Apr. 29; Gaz. vol. 189; p. 1046.
- Stapling device. C. A. Palmgren. No. 1,067,541; July 15; Gaz. vol. 192; p. 630.
- Stapling-machine. O. S. Messersmith. No. 1,053,196; Feb. 18; Gaz. vol. 187; p. 538.
- Stapling-machines, Work-feed for. W. Osterholm. No. 1,074,559; Sept. 30; Gaz. vol. 194; p. 1106.
- Stapling mechanism. E. P. Sheldon. No. 1,054,043; Feb. 25; Gaz. vol. 187; p. 864.
- Starch, clay, or the like, Apparatus for agitating and conveying. V. Taschl. No. 1,057,685; Apr. 1; Gaz. vol. 189; p. 99.
- Starch-drying apparatus. L. P. Bauer. No. 1,061,720; May 13; Gaz. vol. 190; p. 435.
- Starch into derivatives, dextrin, dextrose, &c., Converting. S. M. Lillie. (Reissue.) No. 13,592; July 8; Gaz. vol. 192; p. 491.
- Starching-machine. M. Mangold. No. 1,070,351; Aug. 12; Gaz. vol. 193; p. 463.
- Starter. J. B. Entz. No. 1,052,575; Feb. 11; Gaz. vol. 187; p. 282.
- Starter, Automatic self-. A. Borsella and C. Soccol. No. 1,082,927; Dec. 30; Gaz. vol. 197; p. 1160.
- Starter, Rotary self-. E. J. Thurber. No. 1,058,811; Apr. 15; Gaz. vol. 189; p. 568.
- Starting and stopping mechanism. C. Bennion, A. Bates, and J. Gouldbourn. No. 1,071,865; Sept. 2; Gaz. vol. 194; p. 68.
- Starting and stopping mechanism. F. L. MacKenzie. No. 1,072,630; Sept. 9; Gaz. vol. 194; p. 356.
- Starting device. J. McNamee. No. 1,053,195; Feb. 18; Gaz. vol. 187; p. 538.
- Starting device. T. K. Strand. No. 1,059,407; Apr. 22; Gaz. vol. 189; p. 811.
- Starting device. W. Johnston. No. 1,078,924; Nov. 18; Gaz. vol. 196; p. 643.
- Starting device, Motor-. T. J. Roberts. No. 1,080,482; Dec. 2; Gaz. vol. 197; p. 197.
- Starting mechanism. M. MacFarland. No. 1,080,642; Dec. 9; Gaz. vol. 197; p. 282.
- Starting-switch, Automatic. C. D. Knight. No. 1,064,228; June 10; Gaz. vol. 191; p. 398.
- State-rooms, Construction of. J. W. Isherwood. No. 1,052,060; Feb. 4; Gaz. vol. 187; p. 74.
- Statement and envelop, Combined self-addressed. W. Dolge. No. 1,069,928; Aug. 12; Gaz. vol. 193; p. 319.
- Station construction. A. L. Drum. No. 1,057,626; Apr. 1; Gaz. vol. 189; p. 78.
- Station construction and method of handling traffic. A. L. Drum. No. 1,050,818; Jan. 21; Gaz. vol. 186; p. 578.
- Station construction and method of handling traffic. A. L. Drum. No. 1,056,978; Mar. 25; Gaz. vol. 188; p. 887.
- Station construction and method of handling traffic. A. L. Drum. No. 1,056,979; Mar. 25; Gaz. vol. 188; p. 887.
- Station-indicator. E. H. Vogel. No. 1,051,176; Jan. 21; Gaz. vol. 186; p. 704.
- Station-indicator. B. A. Olson. No. 1,052,509; Feb. 11; Gaz. vol. 187; p. 260.
- Station-indicator. P. Hope. No. 1,053,288; Feb. 18; Gaz. vol. 187; p. 570.
- Station-indicator. L. A. Minea, A. J. Zschocke, and S. J. Rauchwarter. No. 1,056,756; Mar. 18; Gaz. vol. 188; p. 783.
- Station-indicator. H. S. Votaw and H. G. Coulson. No. 1,058,816; Apr. 15; Gaz. vol. 189; p. 571.
- Station-indicator. H. S. Votaw and H. G. Coulson. No. 1,058,817; Apr. 15; Gaz. vol. 189; p. 571.
- Station-indicator. J. G. Evans. No. 1,064,304; June 10; Gaz. vol. 191; p. 423.
- Station-indicator. C. W. McKenzie and T. J. West. No. 1,067,617; July 15; Gaz. vol. 192; p. 656.
- Station-indicator. M. and G. B. Golinkin. No. 1,071,310; Aug. 26; Gaz. vol. 193; p. 861.
- Station-indicator. B. F. MacMinn. No. 1,072,747; Sept. 9; Gaz. vol. 194; p. 397.
- Station-indicator. H. L. Keeler. No. 1,072,955; Sept. 9; Gaz. vol. 194; p. 474.
- Station-indicator. A. McInnis. No. 1,073,153; Sept. 16; Gaz. vol. 194; p. 578.
- Station-indicator. P. von Heissig. No. 1,073,347; Sept. 16; Gaz. vol. 194; p. 649.
- Station-indicator. V. M. Piechocinski. No. 1,074,457; Sept. 30; Gaz. vol. 194; p. 1075.
- Station-indicator. C. P. McDonnell. No. 1,082,036; Dec. 23; Gaz. vol. 197; p. 819.
- Station-indicator and advertiser. J. J. Roberts and J. D. Keen. No. 1,051,162; Jan. 21; Gaz. vol. 186; p. 700.
- Station-indicator, Automatic. J. W. Ramige. No. 1,072,772; Sept. 9; Gaz. vol. 194; p. 406.
- Station-indicator for railway-cars, &c. K. A. W. Hösel. No. 1,056,681; Mar. 18; Gaz. vol. 188; p. 755.
- Station-indicator-operating device. W. B. Hill. No. 1,053,813; Feb. 18; Gaz. vol. 187; p. 749.
- Stationery. J. Rindberg. No. 1,076,450; Oct. 21; Gaz. vol. 195; p. 697.
- Statuary-copying machine. E. Peters. No. 1,058,384; Apr. 8; Gaz. vol. 189; p. 385.
- Stave-bending machine. E. F. Beugler. No. 1,063,498; June 3; Gaz. vol. 191; p. 110.
- Stave-equalizing machine, Automatic. H. F. Marten, H. Grahm, and J. C. Andresen. No. 1,062,175; May 20; Gaz. vol. 190; p. 625.
- Stave-forming machine. F. Hill. No. 1,052,919; Feb. 11; Gaz. vol. 187; p. 400.
- Stave-forming machine, Barrel-. F. M. Kennedy. No. 1,064,488; June 10; Gaz. vol. 191; p. 487.
- Stave-jointer. J. J. Krohn. No. 1,054,567; Feb. 25; Gaz. vol. 187; p. 1042.
- Stay. J. D. Miller. No. 1,078,208; Nov. 11; Gaz. vol. 196; p. 363.
- Stay-applying machine. C. R. Seymour. No. 1,057,096; Mar. 25; Gaz. vol. 188; p. 929.
- Stay-bolt. W. Bros. No. 1,052,213; Feb. 4; Gaz. vol. 187; p. 128.
- Stay-bolt. J. Schmitt. No. 1,052,282; Feb. 4; Gaz. vol. 187; p. 151.
- Stay-bolt. J. Seth. No. 1,059,573; Apr. 22; Gaz. vol. 189; p. 868.
- Stay-bolt. H. A. Lacerda. No. 1,069,436; Aug. 5; Gaz. vol. 193; p. 123.
- Stay-bolt. E. I. Dodds. No. 1,077,045; Oct. 28; Gaz. vol. 195; p. 960.
- Stay-bolt. E. I. Dodds. No. 1,077,046; Oct. 28; Gaz. vol. 195; p. 961.
- Stay-bolt. E. I. Dodds. No. 1,077,047; Oct. 28; Gaz. vol. 195; p. 961.
- Stay-bolt. E. I. Dodds. No. 1,077,048; Oct. 28; Gaz. vol. 195; p. 961.
- Stay-bolt. E. I. Dodds. No. 1,077,049; Oct. 28; Gaz. vol. 195; p. 961.
- Stay-bolt. E. I. Dodds. No. 1,077,050; Oct. 28; Gaz. vol. 195; p. 962.
- Stay-bolt. E. I. Dodds. No. 1,077,051; Oct. 28; Gaz. vol. 195; p. 962.
- Stay-bolt. E. I. Dodds. No. 1,077,052; Oct. 28; Gaz. vol. 195; p. 962.
- Stay-bolt. E. I. Dodds. No. 1,077,053; Oct. 28; Gaz. vol. 195; p. 962.
- Stay-bolt. E. I. Dodds. No. 1,077,054; Oct. 28; Gaz. vol. 195; p. 963.
- Stay-bolt. E. I. Dodds. No. 1,079,223; Nov. 18; Gaz. vol. 196; p. 747.
- Stay-bolt. E. I. Dodds. No. 1,079,224; Nov. 18; Gaz. vol. 196; p. 747.
- Stay-bolt cutter, Self-feeding. R. Hall, Jr. No. 1,077,196; Oct. 28; Gaz. vol. 195; p. 1006.
- Stay-bolt for locomotive and other boilers. E. I. Dodds. No. 1,061,274; May 13; Gaz. vol. 190; p. 279.
- Stay-bolt, Self-adjusting. M. F. Cox. No. 1,072,315; Sept. 2; Gaz. vol. 194; p. 217.
- Stay, Corset-. J. M. Welsh. No. 1,064,947; June 17; Gaz. vol. 191; p. 674.
- Stay, Garment-. M. M. Beeman. No. 1,053,469; Feb. 18; Gaz. vol. 187; p. 632.
- Stay, Garment-. D. Schuler. No. 1,053,540; Feb. 18; Gaz. vol. 187; p. 657.
- Stay, Garment-. H. König. No. 1,056,692; Mar. 18; Gaz. vol. 188; p. 759.
- Stay, Garment-. S. H. Fleming. No. 1,059,291; Apr. 15; Gaz. vol. 189; p. 735.
- Stay, Garment-. M. M. Beeman. No. 1,063,408; June 3; Gaz. vol. 191; p. 81.
- Stay, Garment-. J. F. Kitchen. No. 1,063,454; June 3; Gaz. vol. 191; p. 95.
- Stay, Garment-. D. Schuler. (Reissue.) No. 13,604; Aug. 12; Gaz. vol. 193; p. 476.
- Stay, Garment-. D. Schuler. No. 1,074,214; Sept. 30; Gaz. vol. 194; p. 994.
- Stay, Garment-. H. S. Brewington. No. 1,081,011; Dec. 9; Gaz. vol. 197; p. 409.
- Stay, Garment-. D. Schuler. No. 1,082,176; Dec. 23; Gaz. vol. 197; p. 864.
- Stay or spring, Garment-. M. M. Beeman. No. 1,069,222; Aug. 5; Gaz. vol. 193; p. 47.
- Stay-strip-preparing machine. C. H. Crowell. No. 1,081,583; Dec. 16; Gaz. vol. 197; p. 637.
- Stay-washer. J. Kennedy. No. 1,061,480; May 13; Gaz. vol. 190; p. 350.
- Stays, Tip for garment-. D. Schuler. No. 1,075,731; Oct. 14; Gaz. vol. 195; p. 421.
- Steam-accumulators, Regulator for. E. Harlé. No. 1,066,411; July 1; Gaz. vol. 192; p. 176.
- Steam and water heater or boiler. S. B. Waters. No. 1,061,890; May 13; Gaz. vol. 190; p. 485.
- Steam, Apparatus for separating oil from. H. O. Wischner. No. 1,062,264; May 20; Gaz. vol. 190; p. 656.
- Steam-boiler. E. R. Morrison. No. 1,061,312; May 13; Gaz. vol. 190; p. 292.
- Steam-boiler. J. O. Gagné. No. 1,062,451; May 20; Gaz. vol. 190; p. 717.
- Steam-boiler. T. Hudson. No. 1,063,032; May 27; Gaz. vol. 190; p. 951.
- Steam-boiler. E. Solomiac and A. Olier. No. 1,063,398; June 3; Gaz. vol. 191; p. 78.
- Steam-boiler. M. W. Sewall. No. 1,064,174; June 10; Gaz. vol. 191; p. 378.
- Steam-boiler. J. R. Cushing. No. 1,072,831; Sept. 9; Gaz. vol. 194; p. 427.

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- Steam-boiler. A. Catchpole. No. 1,078,187; Nov. 11; Gaz. vol. 196; p. 356.
- Steam-boiler. E. W. Pratt. No. 1,078,216; Nov. 11; Gaz. vol. 196; p. 366.
- Steam-boiler. Inexplosive. E. Maslin. No. 1,059,481; Apr. 22; Gaz. vol. 189; p. 838.
- Steam-boiler, Water-tube. J. Howden. No. 1,066,111; July 1; Gaz. vol. 192; p. 73.
- Steam-boiler, Water-tube. G. M. Kohler. No. 1,082,597; Dec. 30; Gaz. vol. 197; p. 1044.
- Steam-controlling apparatus. J. F. Deems and W. V. Turner. No. 1,063,664; June 3; Gaz. vol. 191; p. 172.
- Steam-controlling apparatus. J. F. Deems. No. 1,065,347; June 24; Gaz. vol. 191; p. 843.
- Steam-controlling apparatus, Exhaust-. F. F. Coggin. No. 1,062,079; May 20; Gaz. vol. 190; p. 595.
- Steam-ejector. M. Leblanc. No. 1,079,134; Nov. 18; Gaz. vol. 196; p. 717.
- Steam-engine. H. O. Hem. No. 1,050,538; Jan. 14; Gaz. vol. 186; p. 452.
- Steam-engine. J. Stumpf. No. 1,065,477; June 24; Gaz. vol. 191; p. 889.
- Steam-engine. W. Hunter, Jr. No. 1,065,809; June 24; Gaz. vol. 191; p. 1000.
- Steam-engine. F. Kleinclck. No. 1,067,037; July 8; Gaz. vol. 192; p. 421.
- Steam-engine. J. Stumpf. No. 1,069,087; July 29; Gaz. vol. 192; p. 1234.
- Steam-engine. E. F. Edgar. No. 1,069,607; Aug. 5; Gaz. vol. 193; p. 178.
- Steam-engine. W. P. Ruble. No. 1,077,097; Oct. 28; Gaz. vol. 195; p. 976.
- Steam-engine. W. H. Sullivan. No. 1,081,787; Dec. 16; Gaz. vol. 197; p. 705.
- Steam-engine, Rotary. C. Franco. No. 1,080,105; Dec. 2; Gaz. vol. 197; p. 65.
- Steam for industrial purposes from prime movers, Means for supplying. L. Sanders. No. 1,081,408; Dec. 16; Gaz. vol. 197; p. 580.
- Steam-generating apparatus. G. Marshall. No. 1,078,545; Nov. 11; Gaz. vol. 196; p. 480.
- Steam-generating apparatus. J. B. Pentz. No. 1,081,463; Dec. 16; Gaz. vol. 197; p. 599.
- Steam-generating system. W. M. Cross. No. 1,059,980; Apr. 29; Gaz. vol. 189; p. 1044.
- Steam-generator. A. A. E. Sterzing. No. 1,049,546; Jan. 7; Gaz. vol. 186; p. 78.
- Steam-generator. C. Christians. No. 1,052,887; Feb. 11; Gaz. vol. 187; p. 388.
- Steam-generator. L. Steinmüller. No. 1,054,248; Feb. 25; Gaz. vol. 187; p. 934.
- Steam-generator. H. V. Deemar. No. 1,058,850; Apr. 15; Gaz. vol. 189; p. 582.
- Steam-generator. C. A. Bettington. No. 1,068,301; July 22; Gaz. vol. 192; p. 922.
- Steam-generator. L. Steinmüller. No. 1,069,298; Aug. 5; Gaz. vol. 193; p. 73.
- Steam-generator. L. Steinmüller. No. 1,069,631; Aug. 5; Gaz. vol. 193; p. 187.
- Steam-generator. L. Steinmüller. No. 1,069,632; Aug. 5; Gaz. vol. 193; p. 187.
- Steam-generator. H. A. Turnbull, G. F. F. Davis, and A. J. B. Turnbull. No. 1,071,536; Aug. 26; Gaz. vol. 193; p. 935.
- Steam-generator. A. Hackett. No. 1,076,824; Oct. 28; Gaz. vol. 195; p. 882.
- Steam-generator. E. Pielock. No. 1,082,136; Dec. 23; Gaz. vol. 197; p. 851.
- Steam-generator, Automatic feed-water. J. H. T. and V. H. Mills. No. 1,052,080; Feb. 4; Gaz. vol. 187; p. 82.
- Steam-generator for oil-burners. P. Root. No. 1,075,728; Oct. 14; Gaz. vol. 195; p. 419.
- Steam-generator furnace. J. Ramacher. No. 1,077,203; Oct. 28; Gaz. vol. 195; p. 1008.
- Steam-generator, Quick-acting. W. Schmidt. No. 1,068,368; July 22; Gaz. vol. 192; p. 945.
- Steam-generator, Superheating. P. Jorgenson. No. 1,075,151; Oct. 7; Gaz. vol. 195; p. 194.
- Steam-generator with forced circulation. P. Fouque and G. Charpentier. No. 1,082,312; Dec. 23; Gaz. vol. 197; p. 915.
- Steam-generators, Apparatus for smoke prevention and fuel economizing in connection with. J. Rothwell. No. 1,052,518; Feb. 11; Gaz. vol. 187; p. 263.
- Steam-heating apparatus. J. L. Fitts. No. 1,080,104; Dec. 2; Gaz. vol. 197; p. 65.
- Steam. Mechanism for controlling the flow of exhaust-. F. F. Coggin. No. 1,062,080; May 20; Gaz. vol. 190; p. 593.
- Steam-meter. F. A. D. Rankins. No. 1,055,491; Mar. 11; Gaz. vol. 188; p. 318.
- Steam-power system. E. Thomson. No. 1,063,619; June 3; Gaz. vol. 191; p. 155.
- Steam-regenerating apparatus. R. H. Stevens. No. 1,061,573; May 13; Gaz. vol. 190; p. 384.
- Steam-regenerative accumulator and water-heater. D. B. Morison. No. 1,081,132; Dec. 9; Gaz. vol. 197; p. 448.
- Steam-shovel. W. Brimfield. No. 1,067,462; July 15; Gaz. vol. 192; p. 603.
- Steam-shovel. T. Schock. No. 1,074,018; Sept. 23; Gaz. vol. 194; p. 900.
- Steam-table. H. A. W. Wood. No. 1,058,397; Apr. 8; Gaz. vol. 189; p. 390.
- Steam-trap. D. Warren. No. 1,057,469; Apr. 1; Gaz. vol. 189; p. 25.
- Steam-trap. F. G. Marquardt and F. J. Dellinger. No. 1,060,471; Apr. 29; Gaz. vol. 189; p. 1213.
- Steam-trap. J. Boylston. No. 1,062,632; May 27; Gaz. vol. 190; p. 820.
- Steam-trap. T. Ferguson. No. 1,069,775; Aug. 12; Gaz. vol. 193; p. 266.
- Steam-trap. J. A. Butcher. No. 1,072,405; Sept. 2; Gaz. vol. 194; p. 251.
- Steam-trap. G. N. Graham. No. 1,074,048; Sept. 23; Gaz. vol. 194; p. 910.
- Steam-trap. E. F. Jones. No. 1,078,047; Nov. 11; Gaz. vol. 196; p. 308.
- Steam-trap. E. S. Caldwell. No. 1,081,431; Dec. 16; Gaz. vol. 197; p. 587.
- Steam-trap and system for draining water of condensation from steam-coils. P. H. Grimm. No. 1,078,783; Nov. 18; Gaz. vol. 196; p. 596.
- Steam-trap, Thermostatic. E. E. Gold. No. 1,050,210; Jan. 14; Gaz. vol. 186; p. 335.
- Steamboat. F. Savon. No. 1,056,840; Mar. 25; Gaz. vol. 188; p. 839.
- Steamer, Fruit-. P. and A. Gruneisen. No. 1,070,801; Aug. 19; Gaz. vol. 193; p. 658.
- Steamer, Toe-. O. P. Johnson. No. 1,055,754; Mar. 11; Gaz. vol. 188; p. 405.
- Steaming and pressing machine, Garment. C. B. Howe. No. 1,080,695; Dec. 9; Gaz. vol. 197; p. 301.
- Steamship. W. Hargrove. No. 1,081,446; Dec. 16; Gaz. vol. 197; p. 593.
- Steamship-furnace. C. A. Kuenzel. No. 1,076,893; Oct. 28; Gaz. vol. 195; p. 907.
- Steamship-table. J. B. Moody. No. 1,053,851; Feb. 18; Gaz. vol. 187; p. 761.
- Steel and iron surfaces, Treatment of. W. S. Simpson. No. 1,064,671; June 10; Gaz. vol. 191; p. 548.
- Steel and other wire or metal, Apparatus for coiling. S. C. Caddy. No. 1,078,485; Nov. 11; Gaz. vol. 196; p. 460.
- Steel and refining thereof, Apparatus for the manufacture of. J. W. Latcher. No. 1,080,224; Dec. 2; Gaz. vol. 197; p. 107.
- Steel and steel alloys, Treating. W. H. Jones and A. F. Mitchell. No. 1,076,768; Oct. 28; Gaz. vol. 195; p. 861.
- Steel bars, Making. H. R. Jones, E. L. Hang, and J. McConnell. No. 1,060,764; May 6; Gaz. vol. 190; p. 69.
- Steel, Case-hardened. A. F. Shore. No. 1,072,661; Sept. 9; Gaz. vol. 194; p. 367.
- Steel, Case-hardening of. A. F. Shore. No. 1,072,660; Sept. 9; Gaz. vol. 194; p. 367.
- Steel casting and producing the same, Manganese-. E. A. Custer. No. 1,066,258; July 1; Gaz. vol. 192; p. 127.
- Steel, Forming machined shapes of manganese. W. S. Potter. No. 1,079,439; Nov. 25; Gaz. vol. 196; p. 849.
- Steel-furnaces, Spout for. C. E. Michaels. No. 1,080,071; Dec. 2; Gaz. vol. 197; p. 53.
- Steel, High-speed tool-. R. Becker. No. 1,081,263; Dec. 9; Gaz. vol. 197; p. 493.
- Steel holder, Kitchen-. M. T. Hathaway. No. 1,049,476; Jan. 7; Gaz. vol. 186; p. 53.
- Steel ingots, Making dense. H. W. Lash. No. 1,061,760; May 13; Gaz. vol. 190; p. 446.
- Steel ingots, Manufacturing. E. Gathmann. No. 1,049,573; Jan. 7; Gaz. vol. 186; p. 88.
- Steel ingots, Treating. B. Talbot. No. 1,055,831; Mar. 11; Gaz. vol. 188; p. 432.
- Steel, iron, &c., Treatment of. A. W. Machlet. No. 1,065,379; June 24; Gaz. vol. 191; p. 855.
- Steel, Making. H. D. Hibbard. No. 1,051,840; Jan. 28; Gaz. vol. 186; p. 959.
- Steel, Making. P. P. Reese and S. S. Wales. No. 1,082,359; Dec. 23; Gaz. vol. 197; p. 931.
- Steel, Making manganese. A. E. Greene. No. 1,060,078; Apr. 29; Gaz. vol. 189; p. 1077.
- Steel, Manufacture of. W. R. Walker. (Reissue.) No. 13,538; Feb. 25; Gaz. vol. 187; p. 1080.
- Steel, Manufacturing. G. H. Benjamin. No. 1,080,807; Dec. 9; Gaz. vol. 197; p. 342.
- Steel, Manufacturing cement-. G. H. Benjamin. No. 1,054,817; Mar. 4; Gaz. vol. 188; p. 58.
- Steel or iron sheets, Oxidizing. J. E. Carnahan and A. J. Maskrey. No. 1,056,627; Mar. 18; Gaz. vol. 188; p. 738.
- Steel process. J. Churchward. No. 1,069,387; Aug. 5; Gaz. vol. 193; p. 105.
- Steel, Process and apparatus for the manufacture of. N. E. Maccallum. No. 1,057,564; Apr. 1; Gaz. vol. 189; p. 57.
- Steel products, Manufacturing silicon-. O. H. Cunningham. No. 1,081,370; Dec. 16; Gaz. vol. 197; p. 568.
- Steel, Purifying. E. Humbert. No. 1,081,532; Dec. 16; Gaz. vol. 197; p. 623.
- Steel rules, &c., Apparatus for bending and cutting. J. A. Richards. No. 1,058,003; Apr. 1; Gaz. vol. 189; p. 208.
- Steel shape. B. Talbot. No. 1,055,832; Mar. 11; Gaz. vol. 188; p. 433.
- Steel shapes, Altering elongated. J. E. York. No. 1,078,118; Nov. 11; Gaz. vol. 196; p. 333.

Alphabetical list of inventions—Continued.

- Steel shapes, Manufacture of. B. Talbot. No. 1,055,833; Mar. 11; Gaz. vol. 188; p. 433.
- Steel spring-plank, Cast-. J. C. Davis. No. 1,056,635; Mar. 18; Gaz. vol. 188; p. 740.
- Steel-tempering composition. T. A. Houser. No. 1,056,277; Mar. 18; Gaz. vol. 188; p. 617.
- Steel-tie clamp. H. J. Ellenberger. No. 1,063,343; June 3; Gaz. vol. 191; p. 59.
- Steering device. A. M. Squire. No. 1,069,199; Aug. 5; Gaz. vol. 193; p. 39.
- Steering device, Self-. F. L. Johnson. No. 1,057,841; Apr. 1; Gaz. vol. 189; p. 153.
- Steering device, Safety. E. H. Davis and E. J. Rhodes. No. 1,069,862; Aug. 12; Gaz. vol. 193; p. 297.
- Steering-gear. W. H. Keifer. No. 1,053,403; Feb. 18; Gaz. vol. 187; p. 610.
- Steering-gear. J. C. R. March. No. 1,059,744; Apr. 22; Gaz. vol. 189; p. 923.
- Steering-gear. A. H. Fetzer. No. 1,060,175; Apr. 29; Gaz. vol. 189; p. 1109.
- Steering-gear. E. Gnoeth. No. 1,065,905; June 24; Gaz. vol. 191; p. 1034.
- Steering-gear. R. W. Peterson. No. 1,069,720; Aug. 12; Gaz. vol. 193; p. 247.
- Steering-gear. M. D. and N. C. Satterlee. No. 1,074,748; Oct. 7; Gaz. vol. 195; p. 56.
- Steering-gear. H. Parkhurst. No. 1,078,514; Nov. 11; Gaz. vol. 196; p. 469.
- Steering-gear. W. Lund and W. B. Lloyd. No. 1,080,766; Dec. 9; Gaz. vol. 197; p. 326.
- Steering-gear, Gyroscope. P. Hennig. No. 1,077,344; Nov. 4; Gaz. vol. 196; p. 36.
- Steering-gear, Hydraulic. F. L. Martineau. No. 1,056,194; Mar. 18; Gaz. vol. 188; p. 588.
- Steering-gear, Marine. L. C. Burns. No. 1,073,954; Sept. 23; Gaz. vol. 194; p. 879.
- Steering-knuckle. H. H. Kennedy. No. 1,060,606; May 6; Gaz. vol. 190; p. 14.
- Steering mechanism. R. E. Gregg. No. 1,050,060; Jan. 7; Gaz. vol. 186; p. 252.
- Steering mechanism. F. L. Elder. No. 1,050,114; Jan. 14; Gaz. vol. 186; p. 304.
- Steering mechanism. J. E. Briggs. No. 1,055,313; Mar. 11; Gaz. vol. 188; p. 257.
- Steering mechanism. J. A. Seely. No. 1,055,814; Mar. 11; Gaz. vol. 188; p. 426.
- Steering mechanism. W. S. Hall. No. 1,081,607; Dec. 16; Gaz. vol. 197; p. 645.
- Steering method and apparatus, Vessel-. J. F. Key. No. 1,065,142; June 17; Gaz. vol. 191; p. 737.
- Steering-post support. D. C. Cookingham and J. H. Herten. No. 1,066,584; July 8; Gaz. vol. 192; p. 267.
- Steering-rod, Electric-heated. R. S. Smith. No. 1,062,745; May 27; Gaz. vol. 190; p. 850.
- Steering-wheel, Electric-heated. R. S. Smith. No. 1,082,830; Dec. 30; Gaz. vol. 197; p. 1127.
- Stench-trap. W. E. Miller. No. 1,065,706; June 24; Gaz. vol. 191; p. 966.
- Stencil-drier. W. P. Sargent. No. 1,051,640; Jan. 28; Gaz. vol. 186; p. 893.
- Stencil-holder. H. P. Elliott. No. 1,064,303; June 10; Gaz. vol. 191; p. 422.
- Stencil-sheet. E. A. Cox. No. 1,066,585; July 8; Gaz. vol. 192; p. 267.
- Stencil, Wax. H. E. Krueger. No. 1,069,435; Aug. 5; Gaz. vol. 193; p. 122.
- Stenciling-machine. C. Gibbs. No. 1,056,274; Mar. 18; Gaz. vol. 188; p. 616.
- Stenciling-machine. S. T. Smith, Jr. No. 1,056,715; Mar. 18; Gaz. vol. 188; p. 767.
- Stenciling-machine. B. P. Fortin. No. 1,056,893; Mar. 25; Gaz. vol. 188; p. 889.
- Stenciling-machine. S. T. Smith, Jr. No. 1,064,672; June 10; Gaz. vol. 191; p. 548.
- Stenciling-machine. N. Wood. No. 1,071,658; Aug. 26; Gaz. vol. 193; p. 976.
- Stenciling-machine. J. Sokolov. No. 1,075,735; Oct. 14; Gaz. vol. 195; p. 422.
- Stentering-machine clip. A. A. Whitley. No. 1,050,755; Jan. 14; Gaz. vol. 186; p. 521.
- Step and tread plate. W. P. Stephenson. No. 1,062,199; May 20; Gaz. vol. 190; p. 634.
- Step, Foldable or extensible car-. H. D. Kirkley. No. 1,067,821; July 22; Gaz. vol. 192; p. 759.
- Step, Folding. P. M. Engelhardt. No. 1,061,828; May 13; Gaz. vol. 190; p. 466.
- Step, Folding. R. E. Lee and R. L. Poythress. No. 1,065,533; June 24; Gaz. vol. 191; p. 908.
- Step, Folding extension-. R. Finger. No. 1,060,563; Apr. 29; Gaz. vol. 189; p. 1246.
- Step-mold. J. W. Hedden. No. 1,068,584; July 29; Gaz. vol. 192; p. 1058.
- Step, Sliding extensible. L. F. Saunders. No. 1,077,644; Nov. 4; Gaz. vol. 196; p. 139.
- Stereopticon. A. F. Victor. No. 1,062,622; May 27; Gaz. vol. 190; p. 816.
- Stereoptigraph. G. W. Kauser. No. 1,064,838; June 17; Gaz. vol. 191; p. 639.
- Stereoscopic device. J. R. Purvis. No. 1,072,990; Sept. 9; Gaz. vol. 194; p. 487.
- Stereotype and like blocks, Apparatus for making. A. Dutton. No. 1,065,301; June 17; Gaz. vol. 191; p. 790.
- Stereotype and like blocks for printing, Matrix for the manufacture of. A. Dutton. No. 1,065,300; June 17; Gaz. vol. 191; p. 790.
- Stereotype-plate-cooling apparatus. C. E. Hopkins. No. 1,055,176; Mar. 4; Gaz. vol. 188; p. 175.
- Stereotype-plates, Machine for casting and preparing curved. A. Egli. No. 1,063,668; June 3; Gaz. vol. 191; p. 174.
- Stereotype-plates, Manufacture of. A. Dutton. No. 1,065,299; June 17; Gaz. vol. 191; p. 789.
- Sterilization. R. A. Kiefer. No. 1,062,404; May 20; Gaz. vol. 190; p. 702.
- Sterilization of liquids. C. W. Volney. No. 1,050,707; Jan. 14; Gaz. vol. 186; p. 505.
- Sterilization of liquids, Apparatus for the. T. Nogier. No. 1,051,350; Jan. 21; Gaz. vol. 186; p. 762.
- Sterilizer. R. A. Kiefer. No. 1,059,544; Apr. 22; Gaz. vol. 189; p. 858.
- Sterilizer. J. S. Forbes. No. 1,062,776; May 27; Gaz. vol. 190; p. 865.
- Sterilizer. A. E. Walden. No. 1,077,020; Oct. 28; Gaz. vol. 195; p. 951.
- Sterilizer for liquids, Electric. M. Howard. No. 1,056,335; Mar. 18; Gaz. vol. 188; p. 635.
- Sterilizing apparatus. C. de Bock. No. 1,052,210; Feb. 4; Gaz. vol. 187; p. 127.
- Sterilizing apparatus. J. F. Armstrong. No. 1,056,619; Mar. 18; Gaz. vol. 188; p. 734.
- Sterilizing closet-seats and the like, Device for. K. Gasiorowski. No. 1,055,160; Mar. 4; Gaz. vol. 188; p. 169.
- Sterilizing liquids by means of ultra-violet rays, Apparatus for. V. Henri, A. Helbronner, and M. von Recklinghausen. No. 1,052,818; Feb. 11; Gaz. vol. 187; p. 365.
- Sterilizing liquids by means of ultra-violet rays, Apparatus for. O. Linker. No. 1,079,503; Nov. 25; Gaz. vol. 196; p. 872.
- Stethoscope. C. M. Root. No. 1,061,963; May 13; Gaz. vol. 190; p. 511.
- Stick-pin fastener. J. St. Clair. No. 1,070,075; Aug. 12; Gaz. vol. 193; p. 368.
- Stick-pin, Flower-holding. S. Shellhammer. No. 1,067,150; July 8; Gaz. vol. 192; p. 461.
- Stiffener, Garment-. R. A. Hampton. No. 1,051,327; Jan. 21; Gaz. vol. 186; p. 754.
- Still. H. B. Phillips. No. 1,076,389; Oct. 21; Gaz. vol. 195; p. 674.
- Still, Multiple. B. Thoens and S. S. Shears. No. 1,069,829; Aug. 12; Gaz. vol. 193; p. 285.
- Still. G. Schmid. No. 1,078,962; Nov. 18; Gaz. vol. 196; p. 654.
- Stirrer, Rotary. L. Pratte. No. 1,053,533; Feb. 18; Gaz. vol. 187; p. 655.
- Stirrup. V. S. Eddleman. No. 1,052,327; Feb. 4; Gaz. vol. 187; p. 164.
- Stirrup. N. Rupert. No. 1,059,074; Apr. 15; Gaz. vol. 189; p. 661.
- Stirrup. C. Erbe. No. 1,062,327; May 20; Gaz. vol. 190; p. 678.
- Stirrup. C. L. Fiant and W. L. Meek. No. 1,065,438; June 24; Gaz. vol. 191; p. 876.
- Stirrup. C. W. Stier. No. 1,077,106; Oct. 28; Gaz. vol. 195; p. 978.
- Stirrup. D. P. Van Zante. No. 1,079,813; Nov. 25; Gaz. vol. 196; p. 982.
- Stirrup. W. Nusser, Jr. No. 1,082,435; Dec. 23; Gaz. vol. 197; p. 955.
- Stirrup-leather fastener. J. F. Hunter. No. 1,055,045; Mar. 4; Gaz. vol. 188; p. 134.
- Stirrup-leather, Quickly-adjustable. J. W. Kerr. No. 1,072,958; Sept. 9; Gaz. vol. 194; p. 475.
- Stirrup, Safety-. R. L. Hunt. No. 1,050,658; Jan. 14; Gaz. vol. 186; p. 490.
- Stirrup, Safety-. A. Parker. No. 1,051,351; Jan. 21; Gaz. vol. 186; p. 762.
- Stirrup, Safety-. L. E. Lauritsen. No. 1,054,217; Feb. 25; Gaz. vol. 187; p. 925.
- Stirrup, Safety-. W. von Sokolowski. No. 1,058,480; Apr. 8; Gaz. vol. 189; p. 417.
- Stirrup, Safety-. A. M. Sipes. No. 1,062,125; May 20; Gaz. vol. 190; p. 609.
- Stirrup, Safety-. C. S. Moran. No. 1,064,979; June 17; Gaz. vol. 191; p. 685.
- Stirrup, Safety-. J. A. Stoltman. No. 1,068,828; July 29; Gaz. vol. 192; p. 1145.
- Stirrup, Safety-. W. L. Ward. No. 1,074,481; Sept. 30; Gaz. vol. 194; p. 1083.
- Stirrup, Safety-. W. P. Sarrett and T. A. Bakke. No. 1,079,801; Nov. 25; Gaz. vol. 196; p. 978.
- Stitch-forming mechanism, Multiple-needle. R. R. Hughes, Jr. No. 1,054,295; Feb. 25; Gaz. vol. 187; p. 948.
- Stitch-impression machine. L. A. Casgrain. No. 1,049,449; Jan. 7; Gaz. vol. 186; p. 44.
- Stitch impressions, Machine for burnishing. L. W. G. Flynt. No. 1,069,090; July 29; Gaz. vol. 192; p. 1235.
- Stitch-indenting machine. E. F. Mower. No. 1,054,021; Feb. 25; Gaz. vol. 187; p. 857.

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- Stitch-indenting mechanism. E. Maier. No. 1,067,996; July 22; Gaz. vol. 192; p. 817.
- Stitch machine, Blind-. L. Onderdonk. No. 1,070,353; Aug. 12; Gaz. vol. 193; p. 463.
- Stitch machine, Ornamental-. J. P. Weis. No. 1,058,820; Apr. 15; Gaz. vol. 189; p. 572.
- Stitch-transferring device. W. D. Butz. No. 1,068,853; July 29; Gaz. vol. 192; p. 1154.
- Stitching machine, Blind-. M. Hemleb. No. 1,069,010; July 29; Gaz. vol. 192; p. 1206.
- Stitching machine, Buttonhole-. J. Hiewicz. No. 1,073,244; Sept. 16; Gaz. vol. 194; p. 611.
- Stitching machines, Cutting mechanism for wire-. H. Weber. No. 1,071,121; Aug. 26; Gaz. vol. 193; p. 798.
- Stitching machines, Feeding mechanism for wire-. H. Weber. No. 1,078,024; Nov. 11; Gaz. vol. 196; p. 300.
- Stitching machines, Guard and stop for wire-. W. R. Good. No. 1,054,196; Feb. 25; Gaz. vol. 187; p. 917.
- Stock-roll spindle. W. C. Tyler and E. Nall. No. 1,055,576; Mar. 11; Gaz. vol. 188; p. 345.
- Stock-salting device, Automatic. J. I. Iblings. No. 1,081,235; Dec. 9; Gaz. vol. 197; p. 482.
- Stock-trough. F. A. Critz, Jr. No. 1,063,661; June 3; Gaz. vol. 191; p. 170.
- Stocking. F. W. Robinson. No. 1,077,370; Nov. 4; Gaz. vol. 196; p. 45.
- Stocking-drier, Automatic. B. A. Parkes. No. 1,063,829; June 3; Gaz. vol. 191; p. 227.
- Stocking or sock and knitting the same. R. W. Scott. No. 1,071,100; Aug. 26; Gaz. vol. 193; p. 791.
- Stocking or sock and knitting the same. R. W. Scott. No. 1,079,267; Nov. 18; Gaz. vol. 196; p. 760.
- Stocking-supporter loop. J. H. Pilkington. No. 1,049,912; Jan. 7; Gaz. vol. 186; p. 201.
- Stocking, trousers, and the like supporter. E. Lange. No. 1,082,345; Dec. 23; Gaz. vol. 197; p. 926.
- Stoker. D. F. Crawford. No. 1,050,054; Jan. 7; Gaz. vol. 186; p. 250.
- Stoker. H. E. Stover. No. 1,060,036; Apr. 29; Gaz. vol. 189; p. 1064.
- Stoker. P. L. Crowe. No. 1,077,872; Nov. 4; Gaz. vol. 196; p. 215.
- Stoker. N. E. Gee. No. 1,082,419; Dec. 23; Gaz. vol. 197; p. 949.
- Stoker, Furnace-. E. F. Krell. No. 1,082,126; Dec. 23; Gaz. vol. 197; p. 848.
- Stoker, Mechanical. D. F. Hervey. No. 1,049,357; Jan. 7; Gaz. vol. 186; p. 13.
- Stoker, Mechanical. A. G. Elvin. No. 1,058,356; Apr. 8; Gaz. vol. 189; p. 376.
- Stoker, Mechanical. G. B. Cramp. No. 1,066,254; July 1; Gaz. vol. 192; p. 125.
- Stoker, Mechanical. W. P. Starkey. No. 1,077,494; Nov. 4; Gaz. vol. 196; p. 90.
- Stoker mechanism. D. F. Crawford. No. 1,063,420; June 3; Gaz. vol. 191; p. 85.
- Stoker, Underfeed. W. C. A. Henry. No. 1,074,118; Sept. 30; Gaz. vol. 194; p. 963.
- Stone and like material, Treating. H. W. Hemingway. No. 1,067,426; July 15; Gaz. vol. 192; p. 592.
- Stone and making same, Artificial. A. Fraass. No. 1,078,845; Nov. 18; Gaz. vol. 196; p. 617.
- Stone and product obtained thereby, Making artificial. S. Sborowitz. No. 1,074,983; Oct. 7; Gaz. vol. 195; p. 133.
- Stone, Artificial. P. M. Sharples. No. 1,049,410; Jan. 7; Gaz. vol. 186; p. 32.
- Stone-channeling mechanism. T. D. Mowlds. No. 1,062,790; May 27; Gaz. vol. 190; p. 871.
- Stone composition for building and like purposes, Artificial-. A. Rommel. No. 1,083,142; Dec. 30; Gaz. vol. 197; p. 1229.
- Stone-cutting apparatus. M. Ahearn. No. 1,071,016; Aug. 26; Gaz. vol. 193; p. 761.
- Stone-cutting machine. P. Burger. No. 1,081,576; Dec. 16; Gaz. vol. 197; p. 634.
- Stone-dressing-machine tool-carrier. W. H. Van Sickel. No. 1,074,912; Oct. 7; Gaz. vol. 195; p. 110.
- Stone-gathering implement. H. Schneider. No. 1,050,396; Jan. 14; Gaz. vol. 186; p. 400.
- Stone-gathering machine. V. Overmyer. No. 1,057,494; Apr. 1; Gaz. vol. 189; p. 33.
- Stone-loading apparatus. I. T. Sewall. No. 1,073,532; Sept. 16; Gaz. vol. 194; p. 710.
- Stone, Making artificial. W. F. C. M. McCarty. No. 1,060,614; May 6; Gaz. vol. 190; p. 18.
- Stone, Making artificial. C. A. P. Turner. No. 1,069,832; Aug. 12; Gaz. vol. 193; p. 286.
- Stone or like composition, Artificial. J. S. Kruse. No. 1,078,100; Nov. 11; Gaz. vol. 196; p. 327.
- Stone-puller. J. Gustin. No. 1,079,939; Dec. 2; Gaz. vol. 197; p. 6.
- Stone-rubbing machine. N. P. Pratt. No. 1,057,773; Apr. 1; Gaz. vol. 189; p. 128.
- Stone-saw. J. Peckover. No. 1,065,833; June 24; Gaz. vol. 191; p. 1008.
- Stone-saws, Mold for teeth for. W. F. Meyers. No. 1,052,841; Feb. 11; Gaz. vol. 187; p. 373.
- Stone-setting tool, Pallet-. B. H. Green. No. 1,063,534; June 3; Gaz. vol. 191; p. 122.
- Stone slabs, Apparatus for manufacturing artificial-. E. Ahrens. No. 1,053,342; Feb. 18; Gaz. vol. 187; p. 589.
- Stone washer and separator. W. Lange. No. 1,079,132; Nov. 18; Gaz. vol. 196; p. 716.
- Stone washers and separators, Screening-tray for. W. Lange. No. 1,079,133; Nov. 18; Gaz. vol. 196; p. 717.
- Stones, Composition for patching. J. H. Dugan. No. 1,065,926; July 1; Gaz. vol. 192; p. 7.
- Stoneware, Artificial. R. F. Osborn and J. Roach. No. 1,075,932; Oct. 14; Gaz. vol. 195; p. 489.
- Stoker. V. J. A. Stoakes. No. 1,053,750; Feb. 18; Gaz. vol. 187; p. 730.
- Stool. G. B. McKinney. No. 1,070,278; Aug. 12; Gaz. vol. 193; p. 438.
- Stool. C. J. Colling, Sr. No. 1,075,964; Oct. 14; Gaz. vol. 195; p. 500.
- Stool and bath holder, Infant's. W. W. Greenwood. No. 1,062,704; May 27; Gaz. vol. 190; p. 843.
- Stool and pail holder, Milking. A. W. Laabs. No. 1,065,312; June 17; Gaz. vol. 191; p. 794.
- Stool, Folding. A. A. Cassidy. No. 1,064,289; June 10; Gaz. vol. 191; p. 417.
- Stool, Folding. R. D. Morgan. No. 1,075,591; Oct. 14; Gaz. vol. 195; p. 373.
- Stool for holding traps. W. Green. No. 1,083,086; Dec. 30; Gaz. vol. 197; p. 1213.
- Stool for shoe-stores, Adjustable. S. Gordon. No. 1,068,496; July 29; Gaz. vol. 192; p. 1028.
- Stool, Milking-. F. A. Pelletier. No. 1,061,321; May 13; Gaz. vol. 190; p. 295.
- Stool, Milking-. L. Hanson. No. 1,075,145; Oct. 7; Gaz. vol. 195; p. 191.
- Stool, Music-. W. S. McLennan. No. 1,074,514; Sept. 30; Gaz. vol. 194; p. 1092.
- Stool or chair, Metallic. S. D. Leland. No. 1,073,860; Sept. 23; Gaz. vol. 194; p. 846.
- Stool, Shoe-salesman's. M. Taussig. No. 1,049,779; Jan. 7; Gaz. vol. 186; p. 158.
- Stop device for automatic machines, Automatic. R. L. Folz and P. A. Zace. No. 1,061,169; May 6; Gaz. vol. 190; p. 207.
- Stop mechanism. J. W. Roberts, A. P. Brewster, and B. Bryson. No. 1,053,647; Feb. 18; Gaz. vol. 187; p. 694.
- Stop mechanism. D. M. Cooper. No. 1,073,887; Sept. 23; Gaz. vol. 194; p. 856.
- Stop mechanism, Automatic. J. L. Fiedler. No. 1,051,569; Jan. 28; Gaz. vol. 186; p. 870.
- Stop mechanism for machinery. D. M. Cooper. No. 1,073,888; Sept. 23; Gaz. vol. 194; p. 857.
- Stop mechanism for machinery. D. M. Cooper. No. 1,073,889; Sept. 23; Gaz. vol. 194; p. 857.
- Stop mechanism for moving machinery. A. T. Sampson. No. 1,072,509; Sept. 9; Gaz. vol. 194; p. 314.
- Stop mechanism for power-driven machines, Automatic. A. Vanderveld. No. 1,080,870; Dec. 9; Gaz. vol. 197; p. 363.
- Stop-motion. J. S. Henry. No. 1,071,231; Aug. 26; Gaz. vol. 193; p. 835.
- Stop-motion. F. H. Hall. No. 1,076,980; Oct. 28; Gaz. vol. 195; p. 937.
- Stop-motion. F. Ainsworth. No. 1,082,388; Dec. 23; Gaz. vol. 197; p. 940.
- Stop-motion mechanism. H. J. Marx. No. 1,053,843; Feb. 18; Gaz. vol. 187; p. 759.
- Stopper. See Bottle-stopper; Engine-plow stopper; Non-explosive stopper; Pipe-stopper; Sink-stopper; Tap-hole stopper; Valved stopper.
- Stopper. F. A. Carrick. No. 1,051,680; Jan. 28; Gaz. vol. 186; p. 906.
- Stopper. J. F. Lawrence. No. 1,060,913; May 6; Gaz. vol. 190; p. 121.
- Stopper. F. Evans and G. A. Duryee. No. 1,061,829; May 13; Gaz. vol. 190; p. 467.
- Stopper and brush, Combined. F. D. Repper and C. L. Jacobs. No. 1,053,875; Feb. 18; Gaz. vol. 187; p. 770.
- Stopper, bung, &c. C. B. Lewis. No. 1,051,242; Jan. 21; Gaz. vol. 186; p. 725.
- Stopper for bottles, jars, and the like. G. H. Jones. No. 1,076,374; Oct. 21; Gaz. vol. 195; p. 669.
- Stopper-remover and sealing-cap. F. T. Musso. No. 1,051,434; Jan. 28; Gaz. vol. 186; p. 823.
- Stopping mechanism, Rove-. J. Boyd. No. 1,080,522; Dec. 2; Gaz. vol. 197; p. 211.
- Stopping-drill, Rock-drilling. J. G. Leyner. No. 1,082,162; Dec. 23; Gaz. vol. 197; p. 859.
- Storage-bag. F. E. Klein. No. 1,065,450; June 24; Gaz. vol. 191; p. 880.
- Storage battery. J. D. White. No. 1,050,887; Jan. 21; Gaz. vol. 186; p. 603.
- Storage battery. W. Morrison. No. 1,058,778; Apr. 15; Gaz. vol. 189; p. 556.
- Storage battery. W. A. Prince. No. 1,069,809; Aug. 12; Gaz. vol. 193; p. 278.
- Storage battery. T. A. Edison. No. 1,073,107; Sept. 16; Gaz. vol. 194; p. 563.
- Storage battery. W. A. Crowds. No. 1,076,485; Oct. 21; Gaz. vol. 195; p. 709.
- Storage battery. A. H. Snyder and J. Starkenstein. No. 1,080,852; Dec. 9; Gaz. vol. 197; p. 358.

Alphabetical list of inventions—Continued.

- Storage battery. A. S. Hubbard. No. 1,082,869; Dec. 30; Gaz. vol. 197; p. 1139.
- Storage-cell. A. C. Krueger. No. 1,069,791; Aug. 12; Gaz. vol. 193; p. 272.
- Storage for manufacturing establishments, Overhead. H. E. Coffin. No. 1,071,549; Aug. 26; Gaz. vol. 193; p. 939.
- Store-fixture. J. G. Lundy. No. 1,074,802; Oct. 7; Gaz. vol. 195; p. 74.
- Store-front, Metal. F. C. Cook and C. B. McCroskey. No. 1,065,507; June 24; Gaz. vol. 191; p. 899.
- Store-service apparatus. C. H. Miller. No. 1,081,249; Dec. 9; Gaz. vol. 197; p. 487.
- Storehouse, Floating. M. K. Kirilloff. No. 1,066,502; July 8; Gaz. vol. 192; p. 238.
- Storm and surge alarm for transmission-lines. E. E. F. Creighton. No. 1,062,083; May 20; Gaz. vol. 190; p. 594.
- Stove. G. T. Oglesby. No. 1,049,904; Jan. 7; Gaz. vol. 186; p. 198.
- Stove. F. L. Stewart. No. 1,049,938; Jan. 7; Gaz. vol. 186; p. 210.
- Stove. W. R. Gullick. No. 1,058,052; Apr. 8; Gaz. vol. 189; p. 268.
- Stove. A. W. Meyer. No. 1,062,023; May 20; Gaz. vol. 190; p. 574.
- Stove. W. H. Vahl and W. J. Petrask. No. 1,062,560; May 20; Gaz. vol. 190; p. 752.
- Stove. S. V. Reeves. No. 1,063,732; June 3; Gaz. vol. 191; p. 195.
- Stove. L. A. Knowles. No. 1,068,392; July 22; Gaz. vol. 192; p. 953.
- Stove. S. McClure. No. 1,071,561; Aug. 26; Gaz. vol. 193; p. 943.
- Stove. W. E. Shore. No. 1,078,315; Nov. 11; Gaz. vol. 196; p. 402.
- Stove. W. E. Huenefeld. No. 1,080,148; Dec. 2; Gaz. vol. 197; p. 81.
- Stove. E. W. Anthony. No. 1,080,671; Dec. 9; Gaz. vol. 197; p. 292.
- Stove and furnace lighter. J. Edman. No. 1,077,688; Nov. 4; Gaz. vol. 196; p. 154.
- Stove and range, Gas. C. W. Callahan. No. 1,067,465; July 15; Gaz. vol. 192; p. 604.
- Stove attachment. C. H. E. Lancaster. No. 1,051,337; Jan. 21; Gaz. vol. 186; p. 757.
- Stove attachment. J. M. Cornyn. No. 1,070,118; Aug. 12; Gaz. vol. 193; p. 383.
- Stove attachment, Gas. M. F. Stiles. No. 1,051,776; Jan. 28; Gaz. vol. 186; p. 936.
- Stove attachment, Gas. C. P. Ellis. No. 1,068,229; July 22; Gaz. vol. 192; p. 897.
- Stove attachment, Oil. F. Hutchens. No. 1,064,485; June 10; Gaz. vol. 191; p. 486.
- Stove, Blast-furnace. T. and T. I. Coultas. No. 1,057,940; Apr. 1; Gaz. vol. 189; p. 186.
- Stove, Blue-flame oil. A. J. Blackford. No. 1,074,686; Oct. 7; Gaz. vol. 195; p. 35.
- Stove, Blue-flame wick. E. Boenkamp. No. 1,074,688; Oct. 7; Gaz. vol. 195; p. 36.
- Stove-burner. A. W. Waite. No. 1,053,457; Feb. 18; Gaz. vol. 187; p. 629.
- Stove, Camp. E. W. Ehmann. No. 1,054,188; Feb. 25; Gaz. vol. 187; p. 914.
- Stove, Camp. N. T. Little. No. 1,057,248; Mar. 25; Gaz. vol. 188; p. 981.
- Stove, Camp. C. O. Freeman. No. 1,066,595; July 8; Gaz. vol. 192; p. 271.
- Stove-closet and incinerator. A. Chikanceff. No. 1,052,315; Feb. 4; Gaz. vol. 187; p. 160.
- Stove, Combined gas, wood, or coal. R. W. Willis. No. 1,050,586; Jan. 14; Gaz. vol. 186; p. 467.
- Stove, Combined heating and cooking. M. Jones. No. 1,061,959; May 13; Gaz. vol. 190; p. 510.
- Stove, Cooking. J. E. Leonard. No. 1,053,837; Feb. 18; Gaz. vol. 187; p. 757.
- Stove, Cooking. C. M. Genthner. No. 1,060,335; Apr. 29; Gaz. vol. 189; p. 1167.
- Stove, Cooking. W. White. No. 1,079,084; Nov. 18; Gaz. vol. 196; p. 699.
- Stove-door. J. A. Alexander and F. K. Berry. No. 1,060,808; May 6; Gaz. vol. 190; p. 83.
- Stove-door. B. A. Baxter. No. 1,072,809; Sept. 9; Gaz. vol. 194; p. 420.
- Stove-door-closing device. L. Scruggs. No. 1,065,003; June 17; Gaz. vol. 191; p. 692.
- Stove-door, Concealed-hinge. L. Scruggs. No. 1,064,388; June 10; Gaz. vol. 191; p. 451.
- Stove, Electric. C. A. Pfanstiehl. No. 1,062,299; May 20; Gaz. vol. 190; p. 668.
- Stove, Electric. C. Mettler. No. 1,064,358; June 10; Gaz. vol. 191; p. 440.
- Stove, Electric heating. A. E. Mastin. No. 1,049,750; Jan. 7; Gaz. vol. 186; p. 147.
- Stove, Electrically-heated. A. S. Cubitt. No. 1,052,894; Feb. 11; Gaz. vol. 187; p. 391.
- Stove, Gas. R. Munro. No. 1,056,757; Mar. 18; Gaz. vol. 188; p. 783.
- Stove, Gas. C. B. Holden. No. 1,057,836; Apr. 1; Gaz. vol. 189; p. 151.
- Stove, Gas. W. H. Harmon. No. 1,072,115; Sept. 2; Gaz. vol. 194; p. 153.
- Stove, Gas heating. P. Fischer. No. 1,066,394; July 1; Gaz. vol. 192; p. 171.
- Stove, Heating. F. B. Young. No. 1,065,093; June 17; Gaz. vol. 191; p. 722.
- Stove, Hot-blast. W. J. Brown. No. 1,062,221; May 20; Gaz. vol. 190; p. 641.
- Stove implement, Combined. S. E. Avery. No. 1,054,382; Feb. 25; Gaz. vol. 187; p. 980.
- Stove, Knockdown. L. B. and N. Goldberg. No. 1,051,217; Jan. 21; Gaz. vol. 186; p. 716.
- Stove-lid, Air-heating. T. E. Lewis. No. 1,069,444; Aug. 5; Gaz. vol. 193; p. 125.
- Stove-lid lifter. C. G. Burk. No. 1,068,979; July 29; Gaz. vol. 192; p. 1196.
- Stove lid or cover. D. W. Sowers. No. 1,060,645; May 6; Gaz. vol. 190; p. 27.
- Stove-lighting device, Gas. H. C. Fritz. No. 1,061,738; May 13; Gaz. vol. 190; p. 440.
- Stove-mat. H. Kely. No. 1,072,333; Sept. 2; Gaz. vol. 194; p. 223.
- Stove, Oil. W. H. Wilder. No. 1,062,677; May 27; Gaz. vol. 190; p. 834.
- Stove, Oil. W. J. Shults. No. 1,075,948; Oct. 14; Gaz. vol. 195; p. 494.
- Stove or range, Cook. C. M. Genthner. No. 1,052,239; Feb. 4; Gaz. vol. 187; p. 136.
- Stove-oven bottom, Gas. H. C. Maul. No. 1,079,356; Nov. 25; Gaz. vol. 196; p. 822.
- Stove reservoir, Oil. L. Stockstrom. No. 1,066,337; July 1; Gaz. vol. 192; p. 153.
- Stove safety appliance, Hot-blast. J. A. Dyblie. No. 1,064,061; June 10; Gaz. vol. 191; p. 339.
- Stove safety attachment, Gas. C. P. Ellis. No. 1,068,230; July 22; Gaz. vol. 192; p. 897.
- Stove-shelf, Detachable. M. A. Possons. No. 1,082,443; Dec. 23; Gaz. vol. 197; p. 958.
- Stove structure, Fireplace. L. E. Clawson. No. 1,059,034; Apr. 15; Gaz. vol. 189; p. 647.
- Stove-support. C. M. Genthner. No. 1,051,099; Jan. 21; Gaz. vol. 186; p. 679.
- Stove-top. J. F. Hay. No. 1,060,085; Apr. 29; Gaz. vol. 189; p. 1078.
- Stove-top. J. F. Hay. No. 1,060,086; Apr. 29; Gaz. vol. 189; p. 1079.
- Stove unit, Electrically-heated. W. S. Hadaway, Jr. No. 1,075,472; Oct. 14; Gaz. vol. 195; p. 333.
- Stove, Water-jacketed. M. Kelly. No. 1,060,458; Apr. 29; Gaz. vol. 189; p. 1209.
- Stove wick-holder, Oil. J. F. Bittie. No. 1,082,395; Dec. 23; Gaz. vol. 197; p. 942.
- Stoves, Burner for gas. J. E. Kennedy. No. 1,070,812; Aug. 19; Gaz. vol. 193; p. 661.
- Stoves, Heat-distributor or bake-oven for gas and gasoline. B. F. Davis. No. 1,079,219; Nov. 18; Gaz. vol. 196; p. 746.
- Stoves, Hot-plate for. W. E. Holder and R. Sampson. No. 1,067,428; July 15; Gaz. vol. 192; p. 592.
- Stoves, Igniting device for gas. B. D. Stevenson. No. 1,059,086; Apr. 15; Gaz. vol. 189; p. 665.
- Stoves, Oil-burner attachment for. C. W. Dall. No. 1,070,587; Aug. 19; Gaz. vol. 193; p. 587.
- Stoves, Operating hot-blast. J. C. Gorman, Jr. No. 1,068,424; July 29; Gaz. vol. 192; p. 1004.
- Stoves, Portable and collapsible stand for spirit. W. Eichelkraut. No. 1,050,113; Jan. 14; Gaz. vol. 186; p. 304.
- Stoves when overturned, Attachment for extinguishing oil. K. L. Stendahl. No. 1,076,168; Oct. 21; Gaz. vol. 195; p. 597.
- Stovepipe. G. J. Dominick and E. J. Kuhlman. No. 1,051,867; Feb. 4; Gaz. vol. 187; p. 7.
- Stovepipe. H. H. Hammack. No. 1,057,146; Mar. 25; Gaz. vol. 188; p. 947.
- Stovepipe-cleaner. R. L. Smith. No. 1,069,826; Aug. 12; Gaz. vol. 193; p. 284.
- Stovepipe-end lock. A. C. Smith. No. 1,051,461; Jan. 28; Gaz. vol. 186; p. 832.
- Stovepipe-fastener. E. E. Morlan. No. 1,058,083; Apr. 8; Gaz. vol. 189; p. 280.
- Stovepipe-fastener. J. Stokes, Jr. No. 1,061,419; May 13; Gaz. vol. 190; p. 328.
- Stovepipe-fastener. R. Witmer. No. 1,064,950; June 17; Gaz. vol. 191; p. 675.
- Stovepipe-fastener. B. M. Smith. No. 1,068,281; July 22; Gaz. vol. 192; p. 916.
- Stovepipe-holder. J. Scanlan. No. 1,050,235; Jan. 14; Gaz. vol. 186; p. 344.
- Stovepipe-holder. H. Carpenter. No. 1,079,212; Nov. 18; Gaz. vol. 196; p. 743.
- Stovepipe-joint. C. B. Sisler and J. M. Deavenport. No. 1,052,288; Feb. 4; Gaz. vol. 187; p. 153.
- Stovepipe-joint. W. H. Stephenson. No. 1,075,737; Oct. 14; Gaz. vol. 195; p. 423.
- Stovepipe-nest. A. G. Scherer. No. 1,082,175; Dec. 23; Gaz. vol. 197; p. 864.
- Straightening-machine. P. M. Haas. No. 1,070,030; Aug. 12; Gaz. vol. 193; p. 353.

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- Straightening-press. E. H. Mead. No. 1,065,158; June 17; Gaz. vol. 191; p. 742.
 Strain-relief device. T. J. Tobin. No. 1,065,190; June 17; Gaz. vol. 191; p. 752.
 Strain-resisting mechanism. G. H. Forsyth, A. C. Davidson, and F. S. Gallagher. No. 1,065,676; June 24; Gaz. vol. 191; p. 957.
 Strainer. C. F. Overly. No. 1,053,131; Feb. 11; Gaz. vol. 187; p. 473.
 Strainer. W. J. Merkle. No. 1,067,935; July 22; Gaz. vol. 192; p. 796.
 Strainer. W. H. Finigan. No. 1,071,306; Aug. 26; Gaz. vol. 193; p. 859.
 Strainer. P. G. Jacobson. No. 1,073,081; Sept. 9; Gaz. vol. 194; p. 518.
 Strainer. J. H. Pitschman. No. 1,078,459; Nov. 11; Gaz. vol. 196; p. 452.
 Strainer. L. E. Willard. No. 1,079,280; Nov. 18; Gaz. vol. 196; p. 764.
 Strainer. J. C. W. Schopke. No. 1,081,469; Dec. 16; Gaz. vol. 197; p. 601.
 Strainer and muffler, Self-cleaning. B. S. Aikman. No. 1,073,883; Sept. 23; Gaz. vol. 194; p. 855.
 Strainer, Coffee and tea. H. D. Smith. No. 1,076,795; Oct. 28; Gaz. vol. 195; p. 871.
 Strainer for closet-bowls. A. Ebert. No. 1,063,247; June 3; Gaz. vol. 191; p. 27.
 Strainer for coffee-pots. E. Schalk. No. 1,072,171; Sept. 2; Gaz. vol. 194; p. 172.
 Strainer for gasoline-tanks. E. E. Hans. No. 1,055,744; Mar. 11; Gaz. vol. 188; p. 401.
 Strainer for honey-filling machines. B. B. Hogaboom. No. 1,053,728; Feb. 18; Gaz. vol. 187; p. 723.
 Strainer for suction-pumps. H. L. Darwood. No. 1,053,975; Feb. 25; Gaz. vol. 187; p. 841.
 Strainer, Fruit-. G. B. Livengood. No. 1,053,838; Feb. 18; Gaz. vol. 187; p. 757.
 Strainer, Jelly-. K. B. Milks. No. 1,053,850; Feb. 18; Gaz. vol. 187; p. 761.
 Strainer, Jelly-. F. W. Barton and W. C. Moffat. No. 1,065,335; June 24; Gaz. vol. 191; p. 839.
 Strainer, Lard-. C. Naegelen and A. G. Klawitter. No. 1,064,243; June 10; Gaz. vol. 191; p. 402.
 Strainer, Milk-. F. J. Brayton. No. 1,070,322; Aug. 12; Gaz. vol. 193; p. 454.
 Strainer, Milk-. C. H. Clark. No. 1,080,262; Dec. 2; Gaz. vol. 197; p. 121.
 Strainer, Milk-. C. Ekvall. No. 1,080,545; Dec. 9; Gaz. vol. 197; p. 251.
 Strainer, Milk-pail. H. C. Hammond. No. 1,051,735; Jan. 28; Gaz. vol. 186; p. 924.
 Strainer, Milk-pail. B. J. Frederick. No. 1,053,023; Feb. 11; Gaz. vol. 187; p. 433.
 Strainer, Milk-pail. C. Keltner. No. 1,055,541; Mar. 11; Gaz. vol. 188; p. 334.
 Strainer, Milk-pail. B. W. Cook. No. 1,070,415; Aug. 19; Gaz. vol. 193; p. 528.
 Strainer, Pulp-. G. S. Witham, Sr. No. 1,079,818; Nov. 25; Gaz. vol. 196; p. 983.
 Strainer rack, Milk-. E. Mandel and G. C. Moldenbauer. No. 1,065,821; June 24; Gaz. vol. 191; p. 1004.
 Strainer system. W. S. Elliott. No. 1,070,788; Aug. 19; Gaz. vol. 193; p. 655.
 Strainer, Tea-. T. W. Johnson. No. 1,053,823; Feb. 18; Gaz. vol. 187; p. 753.
 Strainer, Tea and coffee. W. T. Parkin. No. 1,073,164; Sept. 16; Gaz. vol. 194; p. 582.
 Strainer, Washbottle-. G. C. Russell. No. 1,051,013; Jan. 21; Gaz. vol. 186; p. 649.
 Strainer, Water-. W. A. Bedal. No. 1,072,299; Sept. 2; Gaz. vol. 194; p. 213.
 Strainer, Wire-. J. J. Keppel. No. 1,074,872; Oct. 7; Gaz. vol. 195; p. 96.
 Strainers, Device for sinking. C. L. Houston. No. 1,067,173; July 8; Gaz. vol. 192; p. 468.
 Strap. See Car-strap; Hitch-strap; Hitching-strap; Jock-strap; Lug-strap; Reinforced strap; Tie-strap; Trunk-strap; Woven strap.
 Strap-fastener. P. W. Hodgkinson. No. 1,069,950; Aug. 12; Gaz. vol. 193; p. 326.
 Strap-hanger. J. J. Hammer. No. 1,067,916; July 22; Gaz. vol. 192; p. 790.
 Strap-hanger for vehicles. F. L. Sessions. No. 1,058,201; Apr. 8; Gaz. vol. 189; p. 321.
 Strap-lock. H. J. Palmer. No. 1,065,390; June 24; Gaz. vol. 191; p. 858.
 Strap-loop. L. Sanders. No. 1,063,739; June 3; Gaz. vol. 191; p. 197.
 Strapping-machine, Automatic. E. E. Slagle. No. 1,067,279; July 15; Gaz. vol. 192; p. 542.
 Straw braid, Method of and apparatus for treating. H. H. Gresham. No. 1,058,023; Apr. 1; Gaz. vol. 189; p. 214.
 Straw of flax and the like, Mechanism for treating. B. S. Summers. No. 1,082,778; Dec. 30; Gaz. vol. 197; p. 1110.
 Straw of flax and the like, Mechanism for treating the. B. S. Summers. No. 1,069,202; Aug. 5; Gaz. vol. 193; p. 40.
 Straw-spreader. B. F. Wilson. No. 1,051,847; Jan. 28; Gaz. vol. 186; p. 961.
 Straw-spreader. C. C. Cooper. No. 1,054,828; Mar. 4; Gaz. vol. 188; p. 61.
 Straw-spreader. J. H. Mott. No. 1,078,800; Nov. 18; Gaz. vol. 196; p. 602.
 Straw-spreader. L. D. Rice. No. 1,082,820; Dec. 30; Gaz. vol. 197; p. 1123.
 Strawberry-runner cutter. M. E. Tucker. No. 1,064,790; June 17; Gaz. vol. 191; p. 623.
 Stream-deflector. W. H. Dean. No. 1,080,049; Dec. 2; Gaz. vol. 197; p. 45.
 Street and road construction. J. M. Cosgrove. No. 1,078,773; Nov. 18; Gaz. vol. 196; p. 593.
 Street-cleaner. T. R. and J. P. Murray and E. S. Nellan. No. 1,075,489; Oct. 14; Gaz. vol. 195; p. 338.
 Street-cleaner. L. A. Hervey. No. 1,078,352; Nov. 11; Gaz. vol. 196; p. 415.
 Street-cleaner, Automobile. D. Gaul. No. 1,072,713; Sept. 9; Gaz. vol. 194; p. 385.
 Street-cleaning machine. H. Carr. No. 1,081,209; Dec. 9; Gaz. vol. 197; p. 473.
 Street-cleaning machine, Vacuum. G. H. Duthle. No. 1,069,773; Aug. 12; Gaz. vol. 193; p. 265.
 Street-indicator. J. Meany. No. 1,064,758; June 17; Gaz. vol. 191; p. 614.
 Street-indicator. J. Hoferle. No. 1,070,961; Aug. 19; Gaz. vol. 193; p. 709.
 Street-indicator for electric cars. J. E. Morton. No. 1,075,055; Oct. 7; Gaz. vol. 195; p. 161.
 Street-marker. W. P. Finger. No. 1,065,231; June 17; Gaz. vol. 191; p. 766.
 Street or station indicator. W. H. Smith. No. 1,068,179; July 22; Gaz. vol. 192; p. 879.
 Street or station indicator. J. W. De Ford. No. 1,083,063; Dec. 30; Gaz. vol. 197; p. 1204.
 Street-scraper. G. W. Anthony. No. 1,079,587; Nov. 25; Gaz. vol. 196; p. 903.
 Street-sprinkler. A. F. Saltalamachia. No. 1,052,094; Feb. 4; Gaz. vol. 187; p. 86.
 Street-sprinkling apparatus. P. T. Moller. No. 1,072,944; Sept. 2; Gaz. vol. 194; p. 94.
 Street-sprinkling device. S. McCutcheon. No. 1,076,594; Oct. 21; Gaz. vol. 195; p. 748.
 Street-sweeper. A. Hutchins and E. H. McFarland. No. 1,053,037; Feb. 11; Gaz. vol. 187; p. 439.
 Street-sweeper. J. Baringer. No. 1,056,769; Mar. 25; Gaz. vol. 188; p. 816.
 Street-sweeper. J. Suszycki. No. 1,061,421; May 13; Gaz. vol. 190; p. 329.
 Street-sweeper. M. W. Ewing and C. B. Glover. No. 1,069,608; Aug. 5; Gaz. vol. 193; p. 178.
 Street-sweeper. W. C. Niemann. No. 1,081,571; Dec. 16; Gaz. vol. 197; p. 615.
 Street-sweeping and loading device. W. C. Pascoe. No. 1,054,603; Feb. 25; Gaz. vol. 187; p. 1055.
 Street-sweeping machine. W. H. Shira. No. 1,053,233; Feb. 18; Gaz. vol. 187; p. 551.
 Street-sweeping machine. B. V. Merritt. No. 1,059,892; Apr. 22; Gaz. vol. 189; p. 970.
 Street-sweeping machine. R. H. Scroggins. No. 1,060,506; Apr. 29; Gaz. vol. 189; p. 1226.
 Street-sweeping machine. T. H. Diserens. No. 1,071,301; Aug. 26; Gaz. vol. 193; p. 858.
 Strength-testing machine. F. P. Cleveland. No. 1,066,447; July 1; Gaz. vol. 192; p. 188.
 Stretcher. J. H. Stone. No. 1,068,016; July 22; Gaz. vol. 192; p. 824.
 Stretching a resonant plate over a frame. Means for. F. Frankel. No. 1,078,424; Nov. 11; Gaz. vol. 196; p. 441.
 Stretching device. J. F. Green. No. 1,072,329; Sept. 2; Gaz. vol. 194; p. 222.
 Strickle apparatus. W. Storey. No. 1,069,633; Aug. 5; Gaz. vol. 193; p. 187.
 Striking-bag. C. L. Finney. No. 1,049,835; Jan. 7; Gaz. vol. 186; p. 176.
 Strip-applying machine. G. E. Bissex. No. 1,061,966; May 13; Gaz. vol. 190; p. 512.
 Stripping mechanism. L. F. Bowers. No. 1,060,227; Apr. 29; Gaz. vol. 189; p. 1128.
 Stroppler. C. M. Moore. No. 1,075,665; Oct. 14; Gaz. vol. 195; p. 398.
 Stropping and like machine. A. J. Postans. No. 1,075,938; Oct. 14; Gaz. vol. 195; p. 491.
 Stropping device. J. A. Harrington. No. 1,065,243; June 17; Gaz. vol. 191; p. 771.
 Stropping-machine. G. J. Hely. No. 1,065,247; June 17; Gaz. vol. 191; p. 772.
 Stropping-machine. E. A. Flinker. No. 1,081,284; Dec. 9; Gaz. vol. 197; p. 500.
 Structural material. J. H. Mills. No. 1,075,845; Oct. 14; Gaz. vol. 195; p. 459.
 Structural material, Manufacture of. C. E. Duncan and J. Farwell. No. 1,071,718; Sept. 2; Gaz. vol. 194; p. 16.
 Structural member. W. S. Moore. No. 1,064,363; June 10; Gaz. vol. 191; p. 442.
 Structure and means for forming the same. J. E. MacKay. No. 1,053,415; Feb. 18; Gaz. vol. 187; p. 614.

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- Structure, Gyrotory. G. W. Combs. No. 1,071,706; Sept. 2; Gaz. vol. 194; p. 12.
- Structure, Gyrotory. G. W. Combs. No. 1,071,707; Sept. 2; Gaz. vol. 194; p. 12.
- Structure, Knockdown. G. N. Barrie. No. 1,080,622; Dec. 9; Gaz. vol. 197; p. 276.
- Structure, Making a metallic. W. H. Sommer. No. 1,063,224; June 3; Gaz. vol. 191; p. 19.
- Structure, Reinforced. D. B. Luten. No. 1,070,707; Aug. 19; Gaz. vol. 193; p. 627.
- Structure, Wood. P. Meltzer. No. 1,066,212; July 1; Gaz. vol. 192; p. 110.
- Structures, Making ornamental. A. Fournier. No. 1,072,712; Sept. 9; Gaz. vol. 194; p. 385.
- Structures of the continuous-wooden-stave type, Constructing spirally-wound. H. E. Aine. No. 1,082,062; Dec. 23; Gaz. vol. 197; p. 827.
- Strut, Universal. A. D. Robbins. No. 1,063,388; June 3; Gaz. vol. 191; p. 74.
- Stubble-shaver and cane-scraper. T. Boudreau. No. 1,068,305; July 22; Gaz. vol. 192; p. 924.
- Stucco and other plastering material, Support for receiving. M. H. Jester. No. 1,080,221; Dec. 2; Gaz. vol. 197; p. 106.
- Stud. H. C. Ward. No. 1,060,044; Apr. 29; Gaz. vol. 189; p. 1066.
- Stud. E. Filipek. No. 1,073,032; Sept. 9; Gaz. vol. 194; p. 500.
- Stud-and-socket fastener. F. S. Carr. No. 1,070,113; Aug. 12; Gaz. vol. 193; p. 382.
- Stud-and-socket fastening. M. Fürstenau. No. 1,053,960; Feb. 18; Gaz. vol. 187; p. 799.
- Stud, Collar-. M. Auerbach. No. 1,081,650; Dec. 16; Gaz. vol. 197; p. 658.
- Stud fastener, Ear-. R. Tolchin. No. 1,080,735; Dec. 9; Gaz. vol. 197; p. 315.
- Stud, solitaire, or the like. W. Taylor. No. 1,067,155; July 8; Gaz. vol. 192; p. 462.
- Studding support or holder. E. B. Wills. No. 1,051,301; Jan. 21; Gaz. vol. 186; p. 746.
- Studio-chair. W. F. Folmer. No. 1,074,615; Oct. 7; Gaz. vol. 195; p. 9.
- Stuffing-box. R. S. Garry. No. 1,051,879; Feb. 4; Gaz. vol. 187; p. 11.
- Stuffing-box. W. H. Marden and C. C. Weaver. No. 1,052,357; Feb. 4; Gaz. vol. 187; p. 174.
- Stuffing-box. G. W. Moore. No. 1,056,202; Mar. 18; Gaz. vol. 188; p. 591.
- Stuffing-box. E. Koerting, Jr., and O. Thraenhart. No. 1,056,282; Mar. 18; Gaz. vol. 188; p. 618.
- Stuffing-box. W. W. Young and A. A. Cooper. No. 1,057,201; Mar. 25; Gaz. vol. 188; p. 965.
- Stuffing-box. L. H. Martell. No. 1,072,016; Sept. 2; Gaz. vol. 194; p. 119.
- Stuffing-box. W. A. Gordon. No. 1,074,259; Sept. 30; Gaz. vol. 194; p. 1009.
- Stuffing-box and bearing for shafts of marine propellers. H. D. Bacon. No. 1,075,080; Oct. 7; Gaz. vol. 195; p. 170.
- Stuffing-box attachment. E. P. Grisham. No. 1,078,784; Nov. 18; Gaz. vol. 196; p. 597.
- Stuffing-box, Automatic. C. Helm. No. 1,057,150; Mar. 25; Gaz. vol. 188; p. 948.
- Stuffing-box, Flexible. A. D. Robbins. No. 1,063,389; June 3; Gaz. vol. 191; p. 75.
- Stuffing-box, Fluid. G. E. Miller. No. 1,073,273; Sept. 16; Gaz. vol. 194; p. 622.
- Stump-burner. J. J. Maney. No. 1,053,102; Feb. 11; Gaz. vol. 187; p. 463.
- Stump-burner. W. C. Beckham. No. 1,061,350; May 13; Gaz. vol. 190; p. 305.
- Stump-burner. C. Smith. No. 1,065,738; June 24; Gaz. vol. 191; p. 977.
- Stump-burner. W. H. Brasier. No. 1,082,619; Dec. 30; Gaz. vol. 197; p. 1052.
- Stump-burner. H. H. Morgan. No. 1,082,644; Dec. 30; Gaz. vol. 197; p. 1061.
- Stump-burners, Draft apparatus for. J. E. Entekin. No. 1,069,240; Aug. 5; Gaz. vol. 193; p. 55.
- Stump-eliminator. O. T. Ross. No. 1,066,535; July 8; Gaz. vol. 192; p. 249.
- Stump-extracting machine. J. Muzzy. No. 1,051,435; Jan. 28; Gaz. vol. 186; p. 824.
- Stump-extractor. E. P. Boden. No. 1,075,008; Oct. 7; Gaz. vol. 195; p. 143.
- Stump-puller. J. M. Philbrook. No. 1,050,749; Jan. 14; Gaz. vol. 186; p. 519.
- Stump-puller. J. C. Williamson. No. 1,057,473; Apr. 1; Gaz. vol. 189; p. 26.
- Stump-puller. E. A. Grunden. No. 1,061,370; May 13; Gaz. vol. 190; p. 311.
- Stump-puller. J. O. Johnston. No. 1,062,470; May 20; Gaz. vol. 190; p. 723.
- Stump-puller. A. C. Laing. No. 1,064,497; June 10; Gaz. vol. 191; p. 490.
- Stump-puller. A. J. Warren. No. 1,075,883; Oct. 14; Gaz. vol. 195; p. 472.
- Stump-roller. R. W. Hukill. No. 1,067,116; July 8; Gaz. vol. 192; p. 448.
- Stumps, Removing. W. W. Pope. No. 1,082,442; Dec. 23; Gaz. vol. 197; p. 958.
- Stylus-adjusting device. G. E. Emerson. No. 1,068,231; July 22; Gaz. vol. 192; p. 898.
- Stylus-reproducing cutter. W. N. Dennison. No. 1,050,815; Jan. 21; Gaz. vol. 186; p. 577.
- Submerged bodies, Apparatus for raising. G. Lesourd. No. 1,079,500; Nov. 25; Gaz. vol. 196; p. 871.
- Subterranean heater. A. Pick. No. 1,082,971; Dec. 30; Gaz. vol. 197; p. 1175.
- Subway construction. A. L. Drum. No. 1,069,931; Aug. 12; Gaz. vol. 193; p. 320.
- Sucker-rod and the like. J. Hahn. No. 1,077,931; Nov. 4; Gaz. vol. 196; p. 237.
- Sucker-rod coupling. C. L. Parker. No. 1,064,764; June 17; Gaz. vol. 191; p. 616.
- Sucker-rod elevator. C. L. Parker. No. 1,072,360; Sept. 2; Gaz. vol. 194; p. 233.
- Suction and compression apparatus. C. D. Haeusler. No. 1,075,711; Oct. 14; Gaz. vol. 195; p. 413.
- Suction-cleaner. J. H. Templin. No. 1,079,378; Nov. 25; Gaz. vol. 196; p. 829.
- Suction device. W. H. Hall. No. 1,072,943; Sept. 9; Gaz. vol. 194; p. 470.
- Suction-machine shaking device. C. S. Moritz. No. 1,053,227; Feb. 18; Gaz. vol. 187; p. 549.
- Suction-producing apparatus. G. Webster. No. 1,056,865; Mar. 25; Gaz. vol. 188; p. 848.
- Suction-producing device. C. J. Harvey. No. 1,079,761; Nov. 25; Gaz. vol. 196; p. 964.
- Sugar and by-products from sugar-cane, Making. G. W. and G. B. McMullen. (Reissue.) No. 13,527; Feb. 11; Gaz. vol. 187; p. 478.
- Sugar, Clarifying raw. A. von Wachtel and C. Woegerer. No. 1,067,890; July 22; Gaz. vol. 192; p. 781.
- Sugar-container. R. C. Morris. No. 1,082,893; Dec. 30; Gaz. vol. 197; p. 1148.
- Sugar-crystals in vacuum, Process and contrivance for production particularly of. O. Fromm and M. Schodly. No. 1,066,397; July 1; Gaz. vol. 192; p. 172.
- Sugar-dispensing device. N. E. Wood. No. 1,050,192; Jan. 14; Gaz. vol. 186; p. 330.
- Sugar-dispensing machine. G. W. Rowell. No. 1,064,776; June 17; Gaz. vol. 191; p. 619.
- Sugar liquors, Treating. F. Hlavati. No. 1,054,414; Feb. 25; Gaz. vol. 187; p. 992.
- Sugar, Producing. L. Gathmann. No. 1,068,758; July 29; Gaz. vol. 192; p. 1118.
- Sugar, Refining. H. Wiese. No. 1,052,113; Feb. 4; Gaz. vol. 187; p. 94.
- Sugar, Refining brown. U. Lundgren and G. Gierling. No. 1,063,708; June 3; Gaz. vol. 191; p. 188.
- Sugar-sampler. J. N. Reed. No. 1,060,493; Apr. 29; Gaz. vol. 189; p. 1221.
- Sugars from cellulose, Producing. F. E. Gallagher and H. S. Mork. No. 1,056,162; Mar. 18; Gaz. vol. 188; p. 578.
- Sugars, Producing fermentable. F. E. Gallagher. No. 1,056,161; Mar. 18; Gaz. vol. 188; p. 578.
- Sugars, Producing fermentable. F. E. Gallagher and H. S. Mork. No. 1,056,163; Mar. 18; Gaz. vol. 188; p. 578.
- Suit-box. I. H. Lyons and R. J. Gruenberg. No. 1,079,137; Nov. 18; Gaz. vol. 196; p. 718.
- Suitcase. H. Burchess. No. 1,081,014; Dec. 9; Gaz. vol. 197; p. 410.
- Suitcase-alarm, Automatic. P. H. Read. No. 1,081,150; Dec. 9; Gaz. vol. 197; p. 454.
- Suitcase, Combination. J. Smith. No. 1,056,130; Mar. 18; Gaz. vol. 188; p. 567.
- Suitcase, Extensible. F. Spitz. No. 1,052,018; Feb. 4; Gaz. vol. 187; p. 60.
- Suitcase hasp. C. E. Johnson. No. 1,058,063; Apr. 8; Gaz. vol. 189; p. 272.
- Suitcase-lock. E. B. Stone. No. 1,074,909; Oct. 7; Gaz. vol. 195; p. 109.
- Suitcases and the like, Attachment for. W. G. Williams. No. 1,062,752; May 27; Gaz. vol. 190; p. 858.
- Suitcases or receptacles, Locking device for. H. L. Hagan. No. 1,057,145; Mar. 25; Gaz. vol. 188; p. 946.
- Sulfate of potash and alumina, Manufacture of. H. F. Chappell. No. 1,070,324; Aug. 12; Gaz. vol. 193; p. 455.
- Sulfite liquor and compound obtained therefrom, Treating waste. H. H. Hurt. No. 1,075,916; Oct. 14; Gaz. vol. 195; p. 484.
- Sulfite-pulp process, Reclaiming system in a. C. B. Thorne. No. 1,076,078; Oct. 21; Gaz. vol. 195; p. 567.
- Sulfite waste liquor, Concentrating. C. Ellis. No. 1,057,416; Apr. 1; Gaz. vol. 189; p. 9.
- Sulfur and phosphorus from iron and similar metals, Removing. A. E. Greene. No. 1,065,605; June 24; Gaz. vol. 191; p. 933.
- Sulfur-burners, Auxiliary combustion-chamber for. D. M. Whalen. No. 1,065,750; June 24; Gaz. vol. 191; p. 981.
- Sulfur compound and making it. C. E. Hite. No. 1,068,769; July 29; Gaz. vol. 192; p. 1122.
- Sulfur, Extracting. W. A. Hall. No. 1,083,253; Dec. 30; Gaz. vol. 197; p. 1264.
- Sulfur, Extracting. W. A. Hall. No. 1,083,255; Dec. 30; Gaz. vol. 197; p. 1264.

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- Sulfur from hydrogen sulfid and sulfur dioxid, Obtaining. W. Feld. No. 1,079,291; Nov. 18; Gaz. vol. 196; p. 767.
- Sulfur from metallic sulfids, Extraction of. W. A. Hall. No. 1,083,248; Dec. 30; Gaz. vol. 197; p. 1263.
- Sulfur from mixtures containing tarry matters, Recovery of. E. J. Hunt and W. T. Gidden. No. 1,059,996; Apr. 29; Gaz. vol. 189; p. 1050.
- Sulfur from smelter-gases, Obtaining. H. Sanborn, H. G. McMahon, J. T. Overbury, and S. W. Young. No. 1,062,120; May 20; Gaz. vol. 190; p. 607.
- Sulfur from sulfids, Obtaining. W. A. Hall. No. 1,083,251; Dec. 30; Gaz. vol. 197; p. 1263.
- Sulfur, Production of. W. A. Hall. No. 1,083,249; Dec. 30; Gaz. vol. 197; p. 1263.
- Sulfur, Recovering. W. A. Hall. No. 1,083,250; Dec. 30; Gaz. vol. 197; p. 1263.
- Sulfur-vaporizer. H. D. Starr. No. 1,065,319; June 17; Gaz. vol. 191; p. 797.
- Sulky. M. L. McCormick. No. 1,052,497; Feb. 11; Gaz. vol. 187; p. 256.
- Sulky, Child's. R. H. Brown. No. 1,053,355; Feb. 18; Gaz. vol. 187; p. 594.
- Sulky, Child's. J. N. Wheeler. No. 1,062,867; May 27; Gaz. vol. 190; p. 896.
- Sulky, Child's. J. N. Wheeler. No. 1,062,938; May 27; Gaz. vol. 190; p. 921.
- Sulky, Collapsible. R. H. Brown. No. 1,074,349; Sept. 30; Gaz. vol. 194; p. 1039.
- Sunbonnet. A. F. Hoeflich. No. 1,051,229; Jan. 21; Gaz. vol. 186; p. 721.
- Sunshade-support. J. Rogers. No. 1,070,068; Aug. 12; Gaz. vol. 193; p. 365.
- Superheater. J. L. Vauclain. No. 1,057,691; Apr. 1; Gaz. vol. 189; p. 101.
- Superheater. S. M. Vauclain. No. 1,057,692; Apr. 1; Gaz. vol. 189; p. 101.
- Superheater. J. Coates. No. 1,070,115; Aug. 12; Gaz. vol. 193; p. 382.
- Superheater. C. D. Young. No. 1,073,204; Sept. 16; Gaz. vol. 194; p. 596.
- Superheater. C. D. Young. No. 1,073,205; Sept. 16; Gaz. vol. 194; p. 597.
- Superheater. J. Primrose. No. 1,076,315; Oct. 21; Gaz. vol. 195; p. 649.
- Superheater-boiler. J. E. Bell. No. 1,051,829; Jan. 28; Gaz. vol. 186; p. 955.
- Superheater-boiler. J. E. Bell. No. 1,057,994; Apr. 1; Gaz. vol. 189; p. 204.
- Superheater-boiler. J. E. Bell. No. 1,077,117; Oct. 28; Gaz. vol. 195; p. 982.
- Superheater for boilers, Steam-. T. M. Rendchen. No. 1,066,223; July 1; Gaz. vol. 192; p. 114.
- Superheater for locomotive and other smoke-tube boilers, Steam-. J. G. Robinson. No. 1,077,641; Nov. 4; Gaz. vol. 196; p. 138.
- Superheater for locomotive-boilers. J. von Grubinski. No. 1,067,107; July 8; Gaz. vol. 192; p. 445.
- Superheater for locomotive, marine, and other boilers, Steam-. E. S. Luard. No. 1,077,617; Nov. 4; Gaz. vol. 196; p. 129.
- Superheater for water-tube boilers. W. Schmidt and P. Thomsen. No. 1,073,934; Sept. 23; Gaz. vol. 194; p. 872.
- Superheater, Locomotive-boiler. J. Primrose. No. 1,060,360; Apr. 29; Gaz. vol. 189; p. 1176.
- Superheater, Marine. J. Primrose and G. Harter. No. 1,064,250; June 10; Gaz. vol. 191; p. 404.
- Superheater-pipes, Apparatus for cooling. P. Thomsen. No. 1,072,194; Sept. 2; Gaz. vol. 194; p. 179.
- Superheater smoke-box. S. M. Vauclain. No. 1,057,690; Apr. 1; Gaz. vol. 189; p. 100.
- Superheater, Smoke-tube. W. Schmidt and P. Thomsen. No. 1,063,394; June 3; Gaz. vol. 191; p. 77.
- Superheater, Smoke-tube. P. Thomsen and E. Doettloff. No. 1,073,305; Sept. 16; Gaz. vol. 194; p. 633.
- Superheater, Steam-. J. C. Parker. No. 1,063,585; June 3; Gaz. vol. 191; p. 141.
- Superheater, Steam-. E. H. Foster. No. 1,064,309; June 10; Gaz. vol. 191; p. 424.
- Superheater, Steam-. A. Bolton. No. 1,073,844; Sept. 23; Gaz. vol. 194; p. 841.
- Superheater, Steam-. P. Thomsen. No. 1,074,300; Sept. 30; Gaz. vol. 194; p. 1023.
- Superheater, Steam-. C. S. Hooper and R. C. Stevens. No. 1,074,792; Oct. 7; Gaz. vol. 195; p. 71.
- Superheater, Steam-boiler. C. Caille. No. 1,057,705; Apr. 1; Gaz. vol. 189; p. 106.
- Superheater, Steam-boiler. W. Dalton. No. 1,070,018; Aug. 12; Gaz. vol. 193; p. 349.
- Superheater, Steam-generator. W. F. Kiesel, Jr. No. 1,061,180; May 6; Gaz. vol. 190; p. 212.
- Superheaters, Steam-collector for. F. J. Cole and S. Hoffmann. No. 1,054,676; Mar. 4; Gaz. vol. 188; p. 8.
- Superheating apparatus for locomotive-boilers, Steam-. J. Primrose. No. 1,060,359; Apr. 29; Gaz. vol. 189; p. 1175.
- Superheating apparatus, Steam-. E. H. Foster. No. 1,060,334; Apr. 29; Gaz. vol. 189; p. 1166.
- Superheating apparatus, Steam-. E. A. Geoghegan. No. 1,072,598; Sept. 9; Gaz. vol. 194; p. 346.
- Superheating steam taken from a generator, Process and contrivance for. C. Caille. No. 1,063,953; June 10; Gaz. vol. 191; p. 302.
- Superphosphate, Manufacturing double. T. L. Willson and M. M. Haff. No. 1,078,887; Nov. 18; Gaz. vol. 196; p. 630.
- Supervisory system. J. G. Nolen. No. 1,071,171; Aug. 26; Gaz. vol. 193; p. 814.
- Supply-box and powder-magazine, Safety. T. Doyle. No. 1,053,165; Feb. 18; Gaz. vol. 187; p. 528.
- Support. E. D. N. Schulte. No. 1,060,861; May 6; Gaz. vol. 190; p. 103.
- Support, Adjustable. D. Sandberg. No. 1,061,328; May 13; Gaz. vol. 190; p. 298.
- Support, Adjustable. J. Gangloff. No. 1,071,307; Aug. 26; Gaz. vol. 193; p. 860.
- Supports, Positioning means for adjustable. P. A. Solem. No. 1,077,945; Nov. 4; Gaz. vol. 196; p. 242.
- Supporter. W. B. Whitlock. No. 1,074,147; Sept. 30; Gaz. vol. 194; p. 973.
- Supporter. M. E. Bird. No. 1,080,097; Dec. 2; Gaz. vol. 197; p. 63.
- Supporter, Elastic. A. V. Ziegler. No. 1,055,118; Mar. 4; Gaz. vol. 188; p. 157.
- Supporting-bracket. D. C. Corbitt. No. 1,059,039; Apr. 15; Gaz. vol. 189; p. 649.
- Supporting-bracket. J. R. Smith. No. 1,069,488; Aug. 5; Gaz. vol. 193; p. 140.
- Supporting device. N. H. Holland. No. 1,051,408; Jan. 28; Gaz. vol. 186; p. 815.
- Supporting device. H. M. Bell. No. 1,065,022; June 17; Gaz. vol. 191; p. 698.
- Supporting device. R. V. Toutjian. No. 1,079,674; Nov. 25; Gaz. vol. 196; p. 931.
- Supporting-rack, Collapsible. P. Schneider. No. 1,073,531; Sept. 16; Gaz. vol. 194; p. 710.
- Supporting-stand. C. J. Miller. No. 1,052,741; Feb. 11; Gaz. vol. 187; p. 336.
- Suprarenal glands, Metallic derivative or compound of the active principle of the. J. L. Turner. No. 1,061,148; May 6; Gaz. vol. 190; p. 202.
- Surface box for subsurface pipes. C. E. Tyler. No. 1,070,752; Aug. 19; Gaz. vol. 193; p. 643.
- Surface-cleaner. H. L. Dietz. No. 1,057,947; Apr. 1; Gaz. vol. 189; p. 187.
- Surface-heater. W. Macleod. No. 1,062,655; May 27; Gaz. vol. 190; p. 827.
- Surface-indicator. L. Fuchs. No. 1,079,169; Nov. 18; Gaz. vol. 196; p. 729.
- Surgeon's operating-table. A. P. Ashby and W. Allen. No. 1,078,894; Nov. 18; Gaz. vol. 196; p. 633.
- Surgical and oral cleaning, Machine for. S. G. Fyfe. No. 1,065,351; June 24; Gaz. vol. 191; p. 845.
- Surgical apparatus. G. H. Houghton. No. 1,055,462; Mar. 11; Gaz. vol. 188; p. 309.
- Surgical apparatus for setting fractured legs. W. Emge. No. 1,064,464; June 10; Gaz. vol. 191; p. 479.
- Surgical appliance. E. A. Watson. No. 1,050,261; Jan. 14; Gaz. vol. 186; p. 353.
- Surgical appliance. T. T. Sandmark. No. 1,051,850; Jan. 28; Gaz. vol. 186; p. 962.
- Surgical appliance. L. E. Woodward. No. 1,066,356; July 1; Gaz. vol. 192; p. 160.
- Surgical appliance. M. E. Manney. No. 1,066,934; July 8; Gaz. vol. 192; p. 388.
- Surgical appliance. N. E. Mighell. No. 1,077,629; Nov. 4; Gaz. vol. 196; p. 133.
- Surgical appliance. M. Iversen. No. 1,081,834; Dec. 16; Gaz. vol. 197; p. 722.
- Surgical bandage. A. Bauer. No. 1,065,654; June 24; Gaz. vol. 191; p. 949.
- Surgical bandage or splint. F. K. Alexander. No. 1,070,869; Aug. 19; Gaz. vol. 193; p. 679.
- Surgical basin. C. W. Meinecke. No. 1,061,769; May 13; Gaz. vol. 190; p. 449.
- Surgical blanket. A. R. McClimans. No. 1,059,627; Apr. 22; Gaz. vol. 189; p. 885.
- Surgical instrument. S. L. Selleck. No. 1,059,493; Apr. 22; Gaz. vol. 189; p. 842.
- Surgical instrument. L. Lieberknecht. No. 1,066,025; July 1; Gaz. vol. 192; p. 42.
- Surgical instrument. J. Bandieri. No. 1,075,002; Oct. 7; Gaz. vol. 195; p. 141.
- Surgical instrument. C. O. S. Howe. No. 1,079,128; Nov. 18; Gaz. vol. 196; p. 715.
- Surgical instrument. T. A. Hopkins. No. 1,080,554; Dec. 9; Gaz. vol. 197; p. 254.
- Surgical tweezers. R. Blunk. No. 1,053,149; Feb. 18; Gaz. vol. 187; p. 523.
- Surveyor's reel. M. H. Lewis and C. Cossin. No. 1,058,311; Apr. 8; Gaz. vol. 189; p. 359.
- Surveyor's rod. R. Hollingsworth. No. 1,063,447; June 3; Gaz. vol. 191; p. 93.
- Surveyor's rod. M. M. Goodnow. No. 1,064,470; June 10; Gaz. vol. 191; p. 481.
- Suspender cast-off. E. N. Humphrey. No. 1,059,331; Apr. 15; Gaz. vol. 189; p. 748.

Alphabetical list of inventions—Continued.

- Suspender cast-off. E. N. Humphrey. No. 1,059,332; Apr. 15; Gaz. vol. 189; p. 748.
- Suspender-clasp. E. S. Jones. No. 1,050,948; Jan. 21; Gaz. vol. 186; p. 626.
- Suspender-clasp for waistbands. W. B. Fox. No. 1,055,627; Mar. 11; Gaz. vol. 188; p. 362.
- Suspender coupling or clasp. W. W. Wolfe. No. 1,076,182; Oct. 21; Gaz. vol. 195; p. 602.
- Suspender-end. O. G. Rust. No. 1,076,154; Oct. 21; Gaz. vol. 195; p. 593.
- Suspender-end. O. G. Rust. No. 1,079,726; Nov. 25; Gaz. vol. 196; p. 950.
- Suspender for artificial arms. J. F. Rowley. No. 1,075,861; Oct. 14; Gaz. vol. 195; p. 464.
- Suspender for socks. F. Barth. No. 1,069,099; Aug. 5; Gaz. vol. 193; p. 4.
- Suspenders. J. Holtzmann. No. 1,049,584; Jan. 7; Gaz. vol. 186; p. 92.
- Suspenders. F. V. Wade. No. 1,054,156; Feb. 25; Gaz. vol. 187; p. 903.
- Suspenders. H. C. Hine. No. 1,065,900; June 24; Gaz. vol. 191; p. 1032.
- Suspenders. E. N. Humphrey. No. 1,067,028; July 8; Gaz. vol. 192; p. 418.
- Suspenders. M. Bono. No. 1,071,688; Sept. 2; Gaz. vol. 194; p. 6.
- Suspenders. W. Heinmiller. No. 1,073,604; Sept. 23; Gaz. vol. 194; p. 757.
- Suspenders. F. W. Mally and E. P. Hudson. No. 1,076,504; Oct. 21; Gaz. vol. 195; p. 715.
- Suspenders. F. W. Mally and E. P. Hudson. No. 1,076,505; Oct. 21; Gaz. vol. 195; p. 715.
- Suspenders. H. C. Weber. No. 1,077,571; Nov. 4; Gaz. vol. 196; p. 115.
- Suspenders. L. P. Mason. No. 1,079,784; Nov. 25; Gaz. vol. 196; p. 973.
- Suspenders. M. Bono. No. 1,080,534; Dec. 9; Gaz. vol. 197; p. 248.
- Suspenders, Buttonhole-piece for. A. M. Ziegler. No. 1,070,573; Aug. 19; Gaz. vol. 193; p. 583.
- Suspending device. F. R. Batchelder. No. 1,054,331; Feb. 25; Gaz. vol. 187; p. 962.
- Suspension-clamp. G. H. Bolus. No. 1,073,658; Sept. 23; Gaz. vol. 194; p. 777.
- Suture appliance. H. C. and J. E. De Baun. No. 1,074,413; Sept. 30; Gaz. vol. 194; p. 1061.
- Swage-shaper. J. F. Pribnow. No. 1,078,377; Nov. 11; Gaz. vol. 196; p. 424.
- Swaging and compressing tool. E. O. L. Vogt. No. 1,052,193; Feb. 4; Gaz. vol. 187; p. 122.
- Swaging-machine. F. V. Whyland. No. 1,074,398; Sept. 30; Gaz. vol. 194; p. 1056.
- Sweat-band, Detachable. W. H. Mymms. No. 1,061,489; May 13; Gaz. vol. 190; p. 353.
- Sweater or like garment. B. I. Campe. No. 1,052,311; Feb. 4; Gaz. vol. 187; p. 158.
- Sweep-rake. J. H. Hoener. No. 1,082,520; Dec. 30; Gaz. vol. 197; p. 1016.
- Sweeping compound. Floor-. J. A. Boddeker and J. E. Stratford. No. 1,057,923; Apr. 1; Gaz. vol. 189; p. 181.
- Sweeping-machine. E. K. Ekre. No. 1,057,949; Apr. 1; Gaz. vol. 189; p. 188.
- Swimmer's propelling-paddle. L. M. Baker. No. 1,066,696; July 8; Gaz. vol. 192; p. 307.
- Swimming apparatus, Dry-. R. Kupfer. No. 1,080,462; Dec. 2; Gaz. vol. 197; p. 191.
- Swimming appliance. J. T. Lamb. No. 1,067,612; July 15; Gaz. vol. 192; p. 654.
- Swimming appliance. J. R. Teters. No. 1,071,113; Aug. 26; Gaz. vol. 193; p. 795.
- Swimming-bag. H. A. Ayvad. No. 1,058,402; Apr. 8; Gaz. vol. 189; p. 392.
- Swimming device. J. W. Snell. No. 1,051,169; Jan. 21; Gaz. vol. 186; p. 702.
- Swimming device. A. Csèki. No. 1,059,443; Apr. 22; Gaz. vol. 189; p. 825.
- Swimming device. F. W. J. Goersch. No. 1,062,587; May 27; Gaz. vol. 190; p. 804.
- Swimming-glove. L. M. Baker. No. 1,066,697; July 8; Gaz. vol. 192; p. 308.
- Swimming-pools and the like, Cleaning apparatus for. J. M. Davidson. No. 1,056,779; Mar. 25; Gaz. vol. 188; p. 820.
- Swimming-suit. S. Roth. No. 1,059,215; Apr. 15; Gaz. vol. 189; p. 709.
- Swimming-suit. D. Dyrenforth, (now by marriage D. D. Auracher). No. 1,077,687; Nov. 4; Gaz. vol. 196; p. 154.
- Swing. R. Reach. No. 1,063,730; June 3; Gaz. vol. 191; p. 195.
- Swing. W. B. Atkinson. No. 1,065,291; June 17; Gaz. vol. 191; p. 787.
- Swing. M. M. Mallory. No. 1,068,353; July 22; Gaz. vol. 192; p. 940.
- Swing. J. W. Culp. No. 1,079,933; Dec. 2; Gaz. vol. 197; p. 4.
- Swing and bed, Combination. J. C. Goodman. No. 1,076,361; Oct. 21; Gaz. vol. 195; p. 665.
- Swing, Baby-. E. B. Brogley. No. 1,066,991; July 8; Gaz. vol. 192; p. 406.
- Swing, Folding. G. Dillich. No. 1,069,864; Aug. 12; Gaz. vol. 193; p. 297.
- Swing, Lawn-. W. A. Borum. No. 1,056,145; Mar. 18; Gaz. vol. 188; p. 572.
- Swing-seat. B. G. Foster. No. 1,061,462; May 13; Gaz. vol. 190; p. 343.
- Swing-seat, Foldable. A. K. Bowman and C. J. McKnight. No. 1,072,906; Sept. 9; Gaz. vol. 194; p. 456.
- Swingletree. W. L. Clegg. No. 1,055,612; Mar. 11; Gaz. vol. 188; p. 357.
- Swingletree. J. H. Carter. No. 1,059,829; Apr. 22; Gaz. vol. 189; p. 951.
- Swingletree. W. Reeves and H. B. La Trobe. No. 1,060,942; May 6; Gaz. vol. 190; p. 131.
- Swingletree-hook. H. Mander. No. 1,059,625; Apr. 22; Gaz. vol. 189; p. 884.
- Swingletree-hook. W. E. Witt. No. 1,061,435; May 13; Gaz. vol. 190; p. 334.
- Swingletree-hook. H. J. Dingfelder. No. 1,082,738; Dec. 30; Gaz. vol. 197; p. 1094.
- Switch: See Carrier-switch; Controller-switch; Cut-out switch; Disconnecting-switch; Electric switch; Electric-circuit switch; Electric pneumatic switch; Electric reversing-switch; Electric time-switch; Electrical switch; Electrical snap-switch; Electromagnet-switch; Electromagnetic switch; End-cell switch; Fluid-pressure switch; Flush switch; Frogless switch; Gang-switch; Gliding switch; Interlocking switch; Lamp-switch; Limit-switch; Lock-switch; Meter-switch; Oil-switch; Overhead switch; Panel-board switch; Pull-switch; Pull-socket switch; Push-button switch; Rail-switch; Railway switch; Railway-crossing switch; Railway tongue-switch; Series multiple switch; Snap-switch; Spring-switch; Starting-switch; Thermo-electric switch; Thermostatic switch; Time switch; Tongue switch; Track switch; Trolley switch; Trolley-track switch; Voltmeter-switch.
- Switch. H. D. Hinckley. No. 1,052,920; Feb. 11; Gaz. vol. 187; p. 401.
- Switch. M. Guett. No. 1,054,111; Feb. 25; Gaz. vol. 187; p. 887.
- Switch. H. E. Leppert. No. 1,058,071; Apr. 8; Gaz. vol. 189; p. 275.
- Switch. G. W. Hart. No. 1,058,179; Apr. 8; Gaz. vol. 189; p. 314.
- Switch. T. S. Watson, C. A. Rhine, and C. H. Keeney. No. 1,059,416; Apr. 22; Gaz. vol. 189; p. 815.
- Switch. G. E. Palmer. No. 1,060,700; May 6; Gaz. vol. 190; p. 48.
- Switch. L. E. Thomas. No. 1,060,796; May 6; Gaz. vol. 190; p. 79.
- Switch. W. J. Barnett. No. 1,069,518; Aug. 5; Gaz. vol. 193; p. 149.
- Switch. V. H. Carman. No. 1,069,661; Aug. 5; Gaz. vol. 193; p. 196.
- Switch. P. E. Richards. No. 1,070,533; Aug. 19; Gaz. vol. 193; p. 569.
- Switch. G. W. Hart. No. 1,071,737; Sept. 2; Gaz. vol. 194; p. 23.
- Switch. L. B. Wilson. No. 1,071,980; Sept. 2; Gaz. vol. 194; p. 106.
- Switch. W. D. Wright and J. T. Finn. No. 1,072,409; Sept. 2; Gaz. vol. 194; p. 252.
- Switch. W. W. Groff. No. 1,078,497; Nov. 11; Gaz. vol. 196; p. 463.
- Switch. G. W. Hart. No. 1,080,058; Dec. 2; Gaz. vol. 197; p. 49.
- Switch. A. W. Johnson. No. 1,081,119; Dec. 9; Gaz. vol. 197; p. 443.
- Switch. H. L. Kirkpatrick. No. 1,081,839; Dec. 16; Gaz. vol. 197; p. 724.
- Switch. A. J. Wilson. No. 1,082,251; Dec. 23; Gaz. vol. 197; p. 892.
- Switch and receptacle box. E. Rosenkranz. No. 1,056,584; Mar. 18; Gaz. vol. 188; p. 723.
- Switch apparatus. V. Hechler, III. No. 1,050,133; Jan. 14; Gaz. vol. 186; p. 309.
- Switch attachment. L. A. Miskell. No. 1,055,780; Mar. 11; Gaz. vol. 188; p. 415.
- Switch-box. R. Hipple. No. 1,056,677; Mar. 18; Gaz. vol. 188; p. 753.
- Switch-box. W. O. Fowler. No. 1,069,777; Aug. 12; Gaz. vol. 193; p. 267.
- Switch-box and support. W. H. Mallery. No. 1,056,759; Mar. 18; Gaz. vol. 188; p. 784.
- Switch-box, Electric. L. B. Hornbeck. No. 1,069,425; Aug. 5; Gaz. vol. 193; p. 118.
- Switch-box lock. F. M. E. Locher. No. 1,078,156; Nov. 11; Gaz. vol. 196; p. 345.
- Switch control, Electric-. W. M. Scott. No. 1,058,200; Apr. 8; Gaz. vol. 189; p. 321.
- Switch-controlling mechanism. J. A. Bradley. No. 1,066,989; July 8; Gaz. vol. 192; p. 406.
- Switch device for overhead tracks. H. C. Rassmann. No. 1,067,939; July 22; Gaz. vol. 192; p. 797.
- Switch-handle. G. W. Goodridge. No. 1,072,224; Sept. 2; Gaz. vol. 194; p. 188.
- Switch-jaw. C. B. Schoenman. No. 1,052,975; Feb. 11; Gaz. vol. 187; p. 419.

Alphabetical list of inventions—Continued.

- Switch-key, Luminous. M. T. Rosenheim. No. 1,077,305; Nov. 4; Gaz. vol. 196; p. 22.
- Switch-lock. O. M. Lockwood and A. A. Stout. No. 1,057,749; Apr. 1; Gaz. vol. 189; p. 120.
- Switch-lock. A. D. Finn. No. 1,068,879; July 29; Gaz. vol. 192; p. 1163.
- Switch-lock. O. M. Lockwood and A. A. Stout. No. 1,080,986; Dec. 9; Gaz. vol. 197; p. 402.
- Switch mechanism. M. P. Simas. No. 1,059,776; Apr. 22; Gaz. vol. 189; p. 935.
- Switch mechanism. J. G. Akers. No. 1,068,555; July 29; Gaz. vol. 192; p. 1046.
- Switch mechanism. E. J. Pace. No. 1,082,210; Dec. 23; Gaz. vol. 197; p. 876.
- Switch mechanism, Reversing. H. B. Hartman. No. 1,065,363; June 24; Gaz. vol. 191; p. 850.
- Switch mechanism, Service. G. E. Palmer. No. 1,073,281; Sept. 16; Gaz. vol. 194; p. 624.
- Switch-mounting, Flush. M. Guett. No. 1,067,331; July 15; Gaz. vol. 192; p. 560.
- Switch-operating device. W. Quintal. No. 1,054,791; Mar. 4; Gaz. vol. 188; p. 48.
- Switch-operating device. M. M. McCombs. No. 1,075,841; Oct. 14; Gaz. vol. 195; p. 458.
- Switch-operating mechanism. H. W. Cheney. No. 1,052,409; Feb. 4; Gaz. vol. 187; p. 193.
- Switch-operating mechanism. T. B. Stafford. No. 1,055,293; Mar. 4; Gaz. vol. 188; p. 213.
- Switch-operating mechanism. E. Carrau. No. 1,057,410; Apr. 1; Gaz. vol. 189; p. 7.
- Switch-operating mechanism. E. J. Knowlton. No. 1,061,185; May 6; Gaz. vol. 190; p. 213.
- Switch-operating mechanism. E. Carrau. No. 1,062,817; May 27; Gaz. vol. 190; p. 880.
- Switch-operating mechanism. D. Samaia. No. 1,070,184; Aug. 12; Gaz. vol. 193; p. 407.
- Switch-operating mechanism. W. E. Wessinger. No. 1,078,975; Nov. 18; Gaz. vol. 196; p. 659.
- Switch-operating mechanism, Automatic. J. B. Turner. No. 1,065,484; June 24; Gaz. vol. 191; p. 891.
- Switch-operating mechanism, Electric. O. N. Wiswell. No. 1,067,452; July 15; Gaz. vol. 192; p. 600.
- Switch-point lock. V. Kohn. No. 1,053,515; Feb. 18; Gaz. vol. 187; p. 649.
- Switch-rod. H. A. and C. A. Lawler. No. 1,068,144; July 22; Gaz. vol. 192; p. 867.
- Switch-rod. J. D. Sollinger and S. Rockeny. No. 1,070,742; Aug. 19; Gaz. vol. 193; p. 639.
- Switch-stand. N. O. Goldsmith and J. Metzger. No. 1,051,401; Jan. 28; Gaz. vol. 186; p. 813.
- Switch-stand. P. H. McCoee. No. 1,052,937; Feb. 11; Gaz. vol. 187; p. 407.
- Switch-stand. W. B. Cooke. No. 1,059,119; Apr. 15; Gaz. vol. 189; p. 677.
- Switch-stand. N. O. Goldsmith. No. 1,065,520; June 24; Gaz. vol. 191; p. 903.
- Switch-stand. T. E. Calvert. No. 1,067,303; July 15; Gaz. vol. 192; p. 550.
- Switch stand and lock. A. E. Kaltschmidt. No. 1,081,750; Dec. 16; Gaz. vol. 197; p. 691.
- Switch-stand, Double-locking. R. J. Davidson. No. 1,056,888; Mar. 25; Gaz. vol. 188; p. 856.
- Switch stand, Ground. J. V. Stewart. No. 1,074,332; Sept. 30; Gaz. vol. 194; p. 1034.
- Switch-stand target. W. C. Kidd and J. B. Strong. No. 1,062,014; May 20; Gaz. vol. 190; p. 571.
- Switch structure. H. S. Evans. No. 1,059,721; Apr. 22; Gaz. vol. 189; p. 916.
- Switch-target. E. R. Trammell. No. 1,054,474; Feb. 25; Gaz. vol. 187; p. 1012.
- Switch-throw. W. A. Lines. No. 1,058,876; Apr. 15; Gaz. vol. 189; p. 592.
- Switch-thrower. P. R. Hart. No. 1,069,133; Aug. 5; Gaz. vol. 193; p. 15.
- Switch throwing and locking mechanism. A. R. Garber. No. 1,079,120; Nov. 18; Gaz. vol. 196; p. 712.
- Switch-throwing device. O. Dmen. No. 1,061,457; May 13; Gaz. vol. 190; p. 342.
- Switch-throwing device. J. A. Eason. No. 1,065,227; June 17; Gaz. vol. 191; p. 765.
- Switch-throwing device. J. H. Schmid. No. 1,067,760; July 15; Gaz. vol. 192; p. 704.
- Switch-throwing device. J. Toth. No. 1,071,826; Sept. 2; Gaz. vol. 194; p. 54.
- Switch-throwing mechanism. O. L. Logan. No. 1,058,610; Apr. 8; Gaz. vol. 189; p. 461.
- Switch-throwing mechanism. H. C. Kinsel. No. 1,071,641; Aug. 26; Gaz. vol. 193; p. 970.
- Switch-tongue fastening. H. G. Isenberg. No. 1,074,365; Sept. 30; Gaz. vol. 194; p. 1044.
- Switch-yard for gravity systems. R. Pfeil. No. 1,067,544; July 15; Gaz. vol. 192; p. 631.
- Switches, Connecting-rod for. E. F. Johnson. No. 1,077,141; Oct. 28; Gaz. vol. 195; p. 988.
- Switchboard-plug cleaner. L. J. Euchenhofer and W. C. B. Anderson. No. 1,065,600; June 24; Gaz. vol. 191; p. 931.
- Switching appliance. M. D. Murray. No. 1,068,807; July 29; Gaz. vol. 192; p. 1137.
- Switching device. F. W. Harris. No. 1,069,331; Aug. 5; Gaz. vol. 193; p. 85.
- Switching device, Magnetic. C. J. Rowe. No. 1,055,802; Mar. 11; Gaz. vol. 188; p. 422.
- Switching mechanism, Quick-break. H. G. Wellman. No. 1,077,380; Nov. 4; Gaz. vol. 196; p. 49.
- Swivel. N. Newcomb. No. 1,058,325; Apr. 8; Gaz. vol. 189; p. 365.
- Swivel implement-handle. J. N. Michels and E. S. Thorgren. No. 1,054,591; Feb. 25; Gaz. vol. 187; p. 1051.
- Swivel, Water. G. W. McAllister. No. 1,053,621; Feb. 18; Gaz. vol. 187; p. 685.
- Symbol-mount. J. W. Colgan. No. 1,068,484; July 29; Gaz. vol. 192; p. 1024.
- Symbols, Machine for producing and transcribing perforated. E. M. v. Marchthal. No. 1,067,047; July 8; Gaz. vol. 192; p. 424.
- Synchronizer, Automatic. R. C. Leake. No. 1,078,863; Nov. 18; Gaz. vol. 196; p. 623.
- Synchronizing device. L. Gaumont. No. 1,053,946; Feb. 18; Gaz. vol. 187; p. 794.
- Synchronizing device. J. W. Bryce. No. 1,075,626; Oct. 14; Gaz. vol. 195; p. 385.
- Synchronous machines, Means for controlling. J. Burke. No. 1,073,662; Sept. 23; Gaz. vol. 194; p. 779.
- Syringe. W. T. Buckner. No. 1,050,803; Jan. 21; Gaz. vol. 186; p. 572.
- Syringe. J. I. Klepper. No. 1,055,188; Mar. 4; Gaz. vol. 188; p. 179.
- Syringe. D. Fleming. No. 1,064,307; June 10; Gaz. vol. 191; p. 424.
- Syringe. O. James. No. 1,072,467; Sept. 9; Gaz. vol. 194; p. 301.
- Syringe. J. H. L. Eager. No. 1,074,780; Oct. 7; Gaz. vol. 195; p. 67.
- Syringe. J. J. Holland. No. 1,076,425; Oct. 21; Gaz. vol. 195; p. 687.
- Syringe. A. E. Wilde. No. 1,080,395; Dec. 2; Gaz. vol. 197; p. 170.
- Syringe case, Hypodermic. F. S. Dickinson. No. 1,059,285; Apr. 15; Gaz. vol. 189; p. 733.
- Syringe, Dilating. A. L. Miner. No. 1,076,221; Oct. 21; Gaz. vol. 195; p. 616.
- Syringe, Extractor and capsule. J. L. McClellan. No. 1,074,965; Oct. 7; Gaz. vol. 195; p. 128.
- Syringe-holder. G. Giordano. No. 1,054,528; Feb. 25; Gaz. vol. 187; p. 1029.
- Syringe needle, Hypodermic. J. A. E. Sellar. No. 1,050,042; Jan. 7; Gaz. vol. 186; p. 245.
- Syringe needles, Holder for hypodermic. J. A. E. Sellar. No. 1,050,043; Jan. 7; Gaz. vol. 186; p. 246.
- Syringe, Vaginal. C. H. Dunster and P. G. E. Gunkel. No. 1,059,126; Apr. 15; Gaz. vol. 189; p. 679.
- Syringe, Vaginal. H. S. Williams. No. 1,067,497; July 15; Gaz. vol. 192; p. 616.
- Syringe, Vaginal. A. C. Eggers. No. 1,070,787; Aug. 19; Gaz. vol. 193; p. 654.
- Syringe, Vaginal. I. W. Kurtz and J. W. Rankin. No. 1,073,249; Sept. 16; Gaz. vol. 194; p. 613.
- Syringe, Vaginal. L. S. Brower. No. 1,078,824; Nov. 18; Gaz. vol. 196; p. 610.
- Syrup, Concentrating. J. H. and C. H. Campbell. No. 1,053,784; Feb. 18; Gaz. vol. 187; p. 740.
- Syruper. W. C. Anderson and A. R. Thompson. No. 1,072,412; Sept. 9; Gaz. vol. 194; p. 281.
- Syruping apparatus, Can. J. M. Young. No. 1,069,838; Aug. 12; Gaz. vol. 193; p. 288.
- Syruping-machine, Vacuum. W. G. Murray. No. 1,080,469; Dec. 2; Gaz. vol. 197; p. 193.
- Tab, Detachable. P. MacGregor. No. 1,067,531; July 15; Gaz. vol. 192; p. 627.
- Table. See Adjustable table; Assembly-table; Bed-table; Billiard-table; Cabinet-table; Chiropractic table; Chocolate-dipping table; Collapsible table; Compression-table; Concentrating-table; Cooking-table; Disappearing table; Discount-table; Doubling-table; Drafting-table; Draftsman's table; Extension-table; Facing-table; Feed-table; Folding table; Folding and adjustable table; Folding and convertible table; Game-table; Ironing-table; Kitchen and ironing table; Knockdown table; Mold-table; Motor-driven table; Operating-table; Operating or adjusting table; Osteopathic table; Photographic developing-table; Physician's and surgeon's table; Pick-up table; Pool and billiard table; Portable table; Printer's table; Refreshment-table; Register-table; Reversible table; Rifle-cleaning table; Rotatable table; Self-leveling table; Separating-table; Serving-table; Sewing-machine table; Ship's table; Steam-table; Steamship-table; Surgeon's operating-table; Treating-table; Turn-table; Welding-machine work-table.
- Table. G. Carlson and J. Wideen. No. 1,049,668; Jan. 7; Gaz. vol. 186; p. 120.
- Table. W. C. Elliott. No. 1,052,329; Feb. 4; Gaz. vol. 187; p. 164.
- Table. J. Collinsworth. No. 1,052,799; Feb. 11; Gaz. vol. 187; p. 358.
- Table. A. Osvald. No. 1,053,742; Feb. 18; Gaz. vol. 187; p. 728.
- Table. F. Regamey. No. 1,054,617; Feb. 25; Gaz. vol. 187; p. 1060.

Alphabetical list of inventions—Continued.

- Table. F. B. Kleintob. No. 1,073,910; Sept. 23; Gaz. vol. 194; p. 863.
- Table and map-rack, Combined. K. W. Schwarz. No. 1,050,700; Jan. 14; Gaz. vol. 186; p. 503.
- Table and sled, Combination. G. V. Meagher. No. 1,082,162; Dec. 23; Gaz. vol. 197; p. 850.
- Table attachment. J. A. McNaughton. No. 1,072,248; Sept. 2; Gaz. vol. 194; p. 196.
- Table-cloth clasp. C. Hatzfeld. No. 1,069,134; Aug. 5; Gaz. vol. 193; p. 15.
- Table-holder. A. Stocker. No. 1,053,450; Feb. 18; Gaz. vol. 187; p. 626.
- Table implements, Making. H. Krüger. No. 1,053,406; Feb. 18; Gaz. vol. 187; p. 611.
- Table leg, Adjustable pool-. C. S. Finney. No. 1,056,785; Mar. 25; Gaz. vol. 188; p. 821.
- Table-leg lock, Folding. C. A. Carlson. No. 1,071,296; Aug. 26; Gaz. vol. 193; p. 856.
- Table-lock. E. L. Marston. No. 1,082,889; Dec. 30; Gaz. vol. 197; p. 1147.
- Table lock, Extension-. C. S. Burton. (Reissue.) No. 13,555; Apr. 22; Gaz. vol. 189; p. 995.
- Table lock, Extension-. E. Tyden. No. 1,076,174; Oct. 21; Gaz. vol. 195; p. 599.
- Table slide, Extension-. E. Tyden. No. 1,053,117; Feb. 11; Gaz. vol. 187; p. 468.
- Table structure, Foldable. V. J. Griesheimer. No. 1,080,437; Dec. 2; Gaz. vol. 197; p. 183.
- Tables, &c., Adjustable supporting and locking mechanism for drawing-. H. H. Hallock. No. 1,057,958; Apr. 1; Gaz. vol. 189; p. 191.
- Tables, Antifriction-slide for extension-. B. H. Carnovsky. No. 1,057,706; Apr. 1; Gaz. vol. 189; p. 106.
- Tables, &c., Extension means for. C. E. Lewis and C. Hinman. No. 1,065,534; June 24; Gaz. vol. 191; p. 908.
- Tables, Fastening device for folding. A. Hahn. No. 1,079,006; Nov. 18; Gaz. vol. 196; p. 672.
- Tables, Foot-operated lock for pedestal-. C. S. Burton. No. 1,076,662; Oct. 28; Gaz. vol. 195; p. 824.
- Tables, Pedal-operated lock for pedestal-. C. S. Burton. No. 1,076,661; Oct. 28; Gaz. vol. 195; p. 823.
- Tables, Serving attachment for dining-. O. S. Raaen. No. 1,066,652; July 8; Gaz. vol. 192; p. 290.
- Tableware. C. F. Smith. No. 1,080,661; Dec. 9; Gaz. vol. 197; p. 289.
- Tableware, Combination-. J. E. Hawley. No. 1,053,387; Feb. 18; Gaz. vol. 187; p. 604.
- Tablet, Manifold writing-. J. Conrad. No. 1,070,413; Aug. 19; Gaz. vol. 193; p. 527.
- Tablet or the like. E. M. Africa and B. E. McSheehy. No. 1,054,586; Feb. 25; Gaz. vol. 187; p. 1050.
- Tabulating mechanism. J. J. Chapin. No. 1,063,181; June 3; Gaz. vol. 191; p. 4.
- Tabulating mechanism. H. Landsiedel. No. 1,078,357; Nov. 11; Gaz. vol. 196; p. 417.
- Tachometer. U. Kohler. No. 1,057,064; Mar. 25; Gaz. vol. 188; p. 917.
- Tachometer. H. Galopin. No. 1,057,140; Mar. 25; Gaz. vol. 188; p. 944.
- Tachometer. E. B. Brown. No. 1,068,625; July 29; Gaz. vol. 192; p. 1073.
- Tachometer. O. Aberegg. No. 1,075,998; Oct. 14; Gaz. vol. 195; p. 512.
- Tachometer. A. Allemann. No. 1,081,188; Dec. 9; Gaz. vol. 197; p. 467.
- Tachometer, Electromagnetic. N. M. Hopkins. No. 1,055,911; Mar. 11; Gaz. vol. 188; p. 457.
- Tachometer, Electromagnetic. N. M. Hopkins. No. 1,078,200; Nov. 11; Gaz. vol. 196; p. 360.
- Tachometer, Magnetic. F. Meyer. No. 1,058,885; Apr. 15; Gaz. vol. 189; p. 595.
- Tachometer, Magnetic. A. B. Cadman. No. 1,067,463; July 15; Gaz. vol. 192; p. 603.
- Tachometers for temperature compensation, Means for adjusting. C. H. Warner. No. 1,054,375; Feb. 25; Gaz. vol. 187; p. 978.
- Tack and staple, Combined. G. B. Hart. No. 1,077,880; Nov. 4; Gaz. vol. 196; p. 218.
- Tack-driving machine. F. L. MacKenzie. No. 1,081,456; Dec. 16; Gaz. vol. 197; p. 596.
- Tack-placer. H. F. Haynes. No. 1,062,464; May 20; Gaz. vol. 190; p. 722.
- Tack puller, Lasting-. L. V. Miller. (Reissue.) No. 13,581; June 24; Gaz. vol. 191; p. 1037.
- Tack pulling and resetting machine. J. B. Hadaway. No. 1,049,474; Jan. 7; Gaz. vol. 186; p. 52.
- Tack-raceways, Locking device for. A. Witt. No. 1,074,997; Oct. 7; Gaz. vol. 195; p. 139.
- Tack, Wiring-. B. G. Jansson. No. 1,055,046; Mar. 4; Gaz. vol. 188; p. 134.
- Tackle-block. J. T. McMillan. No. 1,077,993; Nov. 11; Gaz. vol. 196; p. 289.
- Taffrail-log. C. D. Durkee. No. 1,052,714; Feb. 11; Gaz. vol. 187; p. 328.
- Tag. W. A. Ward. No. 1,052,865; Feb. 11; Gaz. vol. 187; p. 380.
- Tag. E. T. Gray and J. J. Dauler. No. 1,053,380; Feb. 18; Gaz. vol. 187; p. 602.
- Tag. W. D. Smith. No. 1,057,362; Mar. 25; Gaz. vol. 188; p. 1017.
- Tag. A. McCallum. No. 1,066,832; July 8; Gaz. vol. 192; p. 352.
- Tag and card holder. H. Holden. No. 1,068,499; July 29; Gaz. vol. 192; p. 1028.
- Tag and guard therefor. M. Kohn. No. 1,078,733; Nov. 18; Gaz. vol. 196; p. 578.
- Tag-fastener. F. G. Shuman. No. 1,077,169; Oct. 28; Gaz. vol. 195; p. 997.
- Tag forming and affixing machine. D. P. Moore. No. 1,049,509; Jan. 7; Gaz. vol. 186; p. 64.
- Tag-holder. H. L. Gardner and W. L. Chase. No. 1,053,724; Feb. 18; Gaz. vol. 187; p. 722.
- Tag-holder. D. F. Byrnes. No. 1,075,190; Oct. 7; Gaz. vol. 195; p. 207.
- Tag holder for automobile and other vehicles, License-. D. R. McCauley. No. 1,058,882; Apr. 15; Gaz. vol. 189; p. 595.
- Tag holder, License-. W. L. Weldler. No. 1,063,090; May 27; Gaz. vol. 190; p. 970.
- Tag-holder, Shelf. W. E. Olson. No. 1,066,140; July 1; Gaz. vol. 192; p. 83.
- Tag, Remnant-. C. E. Mitchem. No. 1,079,425; Nov. 25; Gaz. vol. 196; p. 845.
- Tag-stringing machine. C. Sylvester. No. 1,066,163; July 1; Gaz. vol. 192; p. 91.
- Tag, Vehicle license-. A. Wakeman. No. 1,073,004; Sept. 9; Gaz. vol. 194; p. 492.
- Tailor's chalk-sharpener. W. J. Kelly. No. 1,056,029; Mar. 18; Gaz. vol. 188; p. 532.
- Tailor's-goose attachment. T. H. Talley. No. 1,061,140; May 6; Gaz. vol. 190; p. 199.
- Talking and moving-picture machines, Means for synchronizing. H. T. Crapo. No. 1,080,265; Dec. 2; Gaz. vol. 197; p. 122.
- Talking-machine. F. L. Dyer. No. 1,054,096; Feb. 25; Gaz. vol. 187; p. 882.
- Talking-machine. W. N. Dennison. No. 1,060,235; Apr. 29; Gaz. vol. 189; p. 1131.
- Talking-machine. J. H. Elfering. No. 1,060,541; Apr. 29; Gaz. vol. 189; p. 1239.
- Talking-machine. E. R. Johnson. No. 1,060,550; Apr. 29; Gaz. vol. 189; p. 1241.
- Talking-machine. J. W. Aylsworth. No. 1,062,579; May 27; Gaz. vol. 190; p. 801.
- Talking-machine. J. A. Rabbitt. No. 1,064,931; June 17; Gaz. vol. 191; p. 668.
- Talking-machine. C. Lindström. No. 1,067,530; July 15; Gaz. vol. 192; p. 626.
- Talking-machine. E. R. Johnson. No. 1,068,591; July 29; Gaz. vol. 192; p. 1060.
- Talking-machine. M. A. Possons. No. 1,069,464; Aug. 5; Gaz. vol. 193; p. 132.
- Talking-machine. C. L. Hibbard. No. 1,070,959; Aug. 19; Gaz. vol. 193; p. 708.
- Talking-machine. J. C. English. No. 1,071,033; Aug. 26; Gaz. vol. 193; p. 767.
- Talking-machine. G. Thiel. No. 1,072,529; Sept. 9; Gaz. vol. 194; p. 322.
- Talking-machine. E. R. Johnson and J. C. English. No. 1,072,854; Sept. 9; Gaz. vol. 194; p. 436.
- Talking-machine. H. B. Babson and A. Haug. No. 1,074,080; Sept. 23; Gaz. vol. 194; p. 921.
- Talking-machine. E. R. Johnson and J. C. English. No. 1,075,288; Oct. 7; Gaz. vol. 195; p. 244.
- Talking-machine. R. Fromholz. No. 1,075,708; Oct. 14; Gaz. vol. 195; p. 412.
- Talking-machine. H. B. Babson and A. Haug. No. 1,076,621; Oct. 21; Gaz. vol. 195; p. 758.
- Talking-machine. W. H. Rawles. No. 1,080,231; Dec. 2; Gaz. vol. 197; p. 109.
- Talking-machine and the like. A. Filss. No. 1,068,877; July 29; Gaz. vol. 192; p. 1162.
- Talking-machine brake. G. P. Wild. No. 1,072,066; Sept. 2; Gaz. vol. 194; p. 135.
- Talking-machine cabinet. O. E. Mertz. No. 1,063,821; June 3; Gaz. vol. 191; p. 225.
- Talking-machine cabinet. R. Preszter. No. 1,069,578; Aug. 5; Gaz. vol. 193; p. 168.
- Talking-machine diaphragm. P. Weber. No. 1,056,475; Mar. 18; Gaz. vol. 188; p. 684.
- Talking-machine, Disk. R. Preszter. No. 1,076,643; Oct. 21; Gaz. vol. 195; p. 766.
- Talking-machine needle. R. E. Jones. No. 1,058,754; Apr. 15; Gaz. vol. 189; p. 548.
- Talking-machine needle. P. B. Ruggles. No. 1,061,408; May 13; Gaz. vol. 190; p. 325.
- Talking-machine-record blank. J. Schumacher. No. 1,082,709; Dec. 30; Gaz. vol. 197; p. 1084.
- Talking-machine-record holder. P. J. Robinson. No. 1,082,705; Dec. 30; Gaz. vol. 197; p. 1083.
- Talking-machine sound-box. W. N. Dennison. No. 1,060,672; May 6; Gaz. vol. 190; p. 37.
- Talking-machine sound-box. J. C. English. No. 1,064,062; June 10; Gaz. vol. 191; p. 339.
- Talking-machine sound-box. B. L. Rinehart. No. 1,071,089; Aug. 26; Gaz. vol. 193; p. 787.
- Talking-machine sound-box arm. W. W. Zackey. No. 1,083,045; Dec. 30; Gaz. vol. 197; p. 1198.

Alphabetical list of inventions—Continued.

- Talking-machine sound-controller. C. E. Kenyon. No. 1,059,939; Apr. 22; Gaz. vol. 189; p. 986.
- Talking-machine sound-conveying tube. E. R. Johnson. No. 1,071,055; Aug. 26; Gaz. vol. 193; p. 776.
- Talking-machine sound-record. C. S. Wickes. No. 1,059,418; Apr. 22; Gaz. vol. 189; p. 816.
- Talking-machine stop mechanism. C. Lindström. No. 1,065,694; June 24; Gaz. vol. 191; p. 963.
- Talking-machine tone-arm. J. C. English. No. 1,049,348; Jan. 7; Gaz. vol. 186; p. 10.
- Talking-machines, and holder therefor, Double-pointed reproducing-stylus for. E. T. Condon, Jr. No. 1,080,328; Dec. 2; Gaz. vol. 197; p. 143.
- Tally-machine. A. Gillespie. No. 1,081,952; Dec. 23; Gaz. vol. 197; p. 789.
- Tally, Marking. W. W. Lillard. No. 1,069,271; Aug. 5; Gaz. vol. 193; p. 65.
- Tally-roll attachment. J. C. Harvey. No. 1,072,452; Sept. 9; Gaz. vol. 194; p. 295.
- Tambour-frame-operating mechanism. J. J. Knecht. No. 1,079,863; Nov. 25; Gaz. vol. 196; p. 998.
- Tamper. W. Kammer. No. 1,063,039; May 27; Gaz. vol. 190; p. 953.
- Tamping-machine. O. Nolan. No. 1,053,211; Feb. 18; Gaz. vol. 187; p. 543.
- Tamping-machine. T. Ahlborn. No. 1,066,778; July 8; Gaz. vol. 192; p. 336.
- Tamping-machine. O. Nolan. No. 1,072,355; Sept. 2; Gaz. vol. 194; p. 231.
- Tamping-machine. C. E. Neilsen. No. 1,077,544; Nov. 4; Gaz. vol. 196; p. 107.
- Tamping-machine. J. E. Joiner. No. 1,079,770; Nov. 25; Gaz. vol. 196; p. 967.
- Tang. H. Wassmund and A. and E. Müller. No. 1,071,282; Aug. 26; Gaz. vol. 193; p. 851.
- Tank: See Acetylene-storage tank; Buoyancy-tank; Cooling-tank; Developing-tank; Dissolving-tank; Distributing-tank; Expansion-tank; Flush-tank; Flushing-tank; Fuel-supply tank; Gasolene-tank; Grain-steeping tank; Hot-water tank; Ice-tank; Ice-cream-cooling tank; Leaching-tank; Lumber-dipping tank; Mixing-tank; Oil-tank; Sectional tank; Septic tank; Settling-tank; Water-supply or flush tank; Watering-tank.
- Tank. F. H. Lindenberg. No. 1,060,609; May 6; Gaz. vol. 190; p. 16.
- Tank and heater. J. Ambruster. No. 1,060,658; May 6; Gaz. vol. 190; p. 32.
- Tank-band fastener. R. L. Lewis. No. 1,070,497; Aug. 19; Gaz. vol. 193; p. 556.
- Tank-casing. C. H. Zwermann. No. 1,067,894; July 22; Gaz. vol. 192; p. 783.
- Tank-closure. E. L. Gross. No. 1,070,128; Aug. 12; Gaz. vol. 193; p. 387.
- Tank-closure. H. D. Oppenheimer. No. 1,079,359; Nov. 25; Gaz. vol. 196; p. 822.
- Tank-gage. G. H. Treadgold. No. 1,065,283; June 17; Gaz. vol. 191; p. 784.
- Tank-gage. E. S. Savage. No. 1,072,876; Sept. 9; Gaz. vol. 194; p. 444.
- Tank-gage. B. H. Camden. No. 1,074,692; Oct. 7; Gaz. vol. 195; p. 38.
- Tank gage, Gasolene. P. M. Bush. No. 1,072,819; Sept. 9; Gaz. vol. 194; p. 423.
- Tank-heater. J. E. Cruzan. No. 1,050,349; Jan. 14; Gaz. vol. 186; p. 384.
- Tank-heater. D. A. Tisdale. No. 1,055,684; Mar. 11; Gaz. vol. 188; p. 382.
- Tank-heater. A. F. and G. A. Trachte. No. 1,061,147; May 6; Gaz. vol. 190; p. 201.
- Tank-heater. W. H. Suhr. No. 1,073,544; Sept. 16; Gaz. vol. 194; p. 714.
- Tank heater, Stock. T. Finnegan. No. 1,079,595; Nov. 25; Gaz. vol. 196; p. 906.
- Tank-hoop. C. R. Webber and G. W. Blood. No. 1,071,120; Aug. 26; Gaz. vol. 193; p. 798.
- Tank-jacket. W. J. Kells. No. 1,071,557; Aug. 26; Gaz. vol. 193; p. 942.
- Tank-supporting means. C. W. Porter. No. 1,049,913; Jan. 7; Gaz. vol. 186; p. 202.
- Tank valve-levers, Connecting device for water. A. L. Neilan. No. 1,074,734; Oct. 7; Gaz. vol. 195; p. 51.
- Tanks, Fluid control for. A. G. Hurdman. No. 1,068,773; July 29; Gaz. vol. 192; p. 1124.
- Tanks, Guide for developing. F. M. Alexander. No. 1,064,678; June 10; Gaz. vol. 191; p. 550.
- Tanks, Means for automatically regulating the flow of liquids from. E. Niederauer and J. H. Winfield. No. 1,082,605; Dec. 30; Gaz. vol. 197; p. 1047.
- Tanks, Means for controlling the escape of fluid from. A. G. Hurdman. No. 1,069,427; Aug. 5; Gaz. vol. 193; p. 119.
- Tanks, Means for controlling the escape of fluids from. A. G. Hurdman. No. 1,070,136; Aug. 12; Gaz. vol. 193; p. 390.
- Tanks, Operating settling. A. Potter. No. 1,081,329; Dec. 16; Gaz. vol. 197; p. 553.
- Tankage-treating machine. C. Bertina and J. Walters. No. 1,055,298; Mar. 4; Gaz. vol. 188; p. 214.
- Tannin and the product, Producing. C. F. Allen. No. 1,078,893; Nov. 18; Gaz. vol. 196; p. 632.
- Tanning. C. W. Nance. No. 1,065,168; June 17; Gaz. vol. 191; p. 745.
- Tanning composition and making same. A. G. Ernst. No. 1,053,798; Feb. 18; Gaz. vol. 187; p. 745.
- Tanning extracts, Producing. G. Gianoli. No. 1,063,428; June 3; Gaz. vol. 191; p. 88.
- Tanning for the preparation of sole-leather. P. Castian. No. 1,067,796; July 22; Gaz. vol. 192; p. 750.
- Tanning material and making same. M. Hönig. No. 1,080,970; Dec. 9; Gaz. vol. 197; p. 397.
- Tap. P. J. Grebel. No. 1,059,453; Apr. 22; Gaz. vol. 189; p. 828.
- Tap. T. F. Kean. No. 1,080,980; Dec. 9; Gaz. vol. 197; p. 400.
- Tap and valve. J. W. Harkom. No. 1,070,803; Aug. 19; Gaz. vol. 193; p. 659.
- Tap, Barrel. H. Hildenbrand. No. 1,062,779; May 27; Gaz. vol. 190; p. 867.
- Tap, cock, and the like having tapping means. F. J. Storey. No. 1,059,231; Apr. 15; Gaz. vol. 189; p. 714.
- Tap-hole stopper, Automatic. E. S. Boudreau. No. 1,064,604; June 10; Gaz. vol. 191; p. 525.
- Tapping and reaming head. W. M. Neckerman. No. 1,080,119; Dec. 2; Gaz. vol. 197; p. 71.
- Tapping device. O. H. Hinman. No. 1,065,248; June 17; Gaz. vol. 191; p. 773.
- Tapping device, Keg. F. Gittinger. No. 1,065,233; June 17; Gaz. vol. 191; p. 767.
- Tapping device, Liquid. B. Schmelzer. No. 1,077,943; Nov. 4; Gaz. vol. 196; p. 242.
- Tapping-machine. M. J. Ford. No. 1,050,729; Jan. 14; Gaz. vol. 186; p. 512.
- Tapping machine, Nut. B. F. Rindfleisch. No. 1,056,060; Mar. 18; Gaz. vol. 188; p. 543.
- Tapping machine, Nut. O. A. Smith. No. 1,056,065; Mar. 18; Gaz. vol. 188; p. 545.
- Tapping water-mains under pressure, Apparatus for. A. Fairfield. No. 1,081,223; Dec. 9; Gaz. vol. 197; p. 479.
- Tape. W. L. E. Keuffel. No. 1,081,673; Dec. 16; Gaz. vol. 197; p. 665.
- Tape and plumb line. O. L. and J. D. Weaver and J. M. Hensley. No. 1,069,593; Aug. 5; Gaz. vol. 193; p. 173.
- Tape-case. G. F. Putnam. No. 1,057,981; Apr. 1; Gaz. vol. 189; p. 200.
- Tape-line holder. R. F. Aitken. No. 1,066,972; July 8; Gaz. vol. 192; p. 400.
- Tape-line protector. J. J. Miller. No. 1,075,052; Oct. 7; Gaz. vol. 195; p. 160.
- Tape-reel, Folding. L. S. Starrett. No. 1,056,849; Mar. 25; Gaz. vol. 188; p. 842.
- Tape, ribbon, or band of metal, Hollow. F. A. Feldkamp. No. 1,055,324; Mar. 11; Gaz. vol. 188; p. 261.
- Tape-shrinking machine. A. Cantor. No. 1,063,507; June 3; Gaz. vol. 191; p. 114.
- Tape sticking and shearing machine. H. Gingras. No. 1,051,215; Jan. 21; Gaz. vol. 186; p. 716.
- Tape, Weighted. H. H. Klein. No. 1,053,405; Feb. 18; Gaz. vol. 187; p. 611.
- Tapes into buttons and other articles, Machine for threading. L. Rosenman. No. 1,057,280; Mar. 25; Gaz. vol. 188; p. 992.
- Tapes, ribbons, or bands, Apparatus for electroplating hollow. F. A. Feldkamp. No. 1,071,037; Aug. 26; Gaz. vol. 193; p. 769.
- Tapes, ribbons, or bands of metal, Producing hollow. F. A. Feldkamp. No. 1,071,036; Aug. 26; Gaz. vol. 193; p. 768.
- Taper attachment, Universal. W. Schellenbach. No. 1,067,137; July 8; Gaz. vol. 192; p. 455.
- Taping-machine. T. E. Raffel. No. 1,080,779; Dec. 9; Gaz. vol. 197; p. 331.
- Tar and ammonia chlorid contained in gases produced by distilling coal, Separation of. L. Solvay. No. 1,052,852; Feb. 11; Gaz. vol. 187; p. 376.
- Tar and ammonia from coal-gas, Recovery of. C. Still. No. 1,080,938; Dec. 9; Gaz. vol. 197; p. 387.
- Tar-boiling apparatus, Portable. J. T. M. Johnston. No. 1,061,916; May 13; Gaz. vol. 190; p. 494.
- Tar from coal-gases, Removing. W. H. Blauvelt, C. G. Tufts, and C. A. Collins. No. 1,053,349; Feb. 18; Gaz. vol. 187; p. 592.
- Tar macadam and the like, Apparatus for the manufacture of. F. Thompson. No. 1,052,628; Feb. 11; Gaz. vol. 187; p. 300.
- Tar paint and manufacture of same. F. Raschig. No. 1,049,916; Jan. 7; Gaz. vol. 186; p. 202.
- Target, Artificial bird. E. E. Thresher. No. 1,075,518; Oct. 14; Gaz. vol. 195; p. 348.
- Target-game apparatus. C. A. Richmond. No. 1,080,301; Dec. 2; Gaz. vol. 197; p. 134.
- Target-light for guns. F. W. Forrester. No. 1,070,883; Aug. 19; Gaz. vol. 193; p. 683.
- Target-practice apparatus. H. H. Cummings. No. 1,078,259; Nov. 11; Gaz. vol. 196; p. 381.
- Target, Revolving. J. U. Clarke. No. 1,076,002; Oct. 14; Gaz. vol. 195; p. 513.
- Target, Self-indicating. O. Klein. No. 1,072,621; Sept. 9; Gaz. vol. 194; p. 353.
- Target, Sighting. F. Higgins. No. 1,081,829; Dec. 16; Gaz. vol. 197; p. 721.

Alphabetical list of inventions—Continued.

- Target-trap. G. L. Carter. No. 1,066,379; July 1; Gaz. vol. 192; p. 166.
- Target-trap. A. P. Davey. No. 1,071,512; Aug. 26; Gaz. vol. 193; p. 927.
- Target-trap. H. C. Lord. No. 1,074,725; Oct. 7; Gaz. vol. 195; p. 48.
- Tartaric salts from waste tartarous materials, Extraction of. G. Vigneaux. No. 1,060,869; May 6; Gaz. vol. 190; p. 106.
- Taxicab-controller, Coin-controlled. W. L. Majors. No. 1,060,558; Aug. 5; Gaz. vol. 193; p. 162.
- Taximeter. F. R. Imhof. No. 1,053,513; Feb. 18; Gaz. vol. 187; p. 648.
- Taximeter. W. G. Bruhn. No. 1,054,903; Mar. 4; Gaz. vol. 188; p. 85.
- Taximeter. J. W. Jones. No. 1,059,050; Apr. 15; Gaz. vol. 189; p. 652.
- Taximeter. T. W. Post. No. 1,060,121; Apr. 29; Gaz. vol. 189; p. 1090.
- Tea and other infusions, Apparatus for making. G. E. Savage. No. 1,077,491; Nov. 4; Gaz. vol. 196; p. 89.
- Tea-kettle. C. H. Bratton. No. 1,049,659; Jan. 7; Gaz. vol. 186; p. 117.
- Tea-kettle. J. C. Hollands. No. 1,072,461; Sept. 9; Gaz. vol. 194; p. 298.
- Tea-leaf rolling and mixing machine. S. C. Davidson. No. 1,069,861; Aug. 12; Gaz. vol. 193; p. 296.
- Tea or coffee pot. G. Lefevre. No. 1,053,735; Feb. 18; Gaz. vol. 187; p. 725.
- Tea or coffee pot. S. Sternau, L. Strassburger, and A. N. Lattin. No. 1,061,336; May 13; Gaz. vol. 190; p. 300.
- Tea or other substances, Machine for packing. A. Parr. No. 1,067,840; July 22; Gaz. vol. 192; p. 765.
- Teaching music, Chart for. J. Woitinek. No. 1,058,831; Apr. 15; Gaz. vol. 189; p. 576.
- Teeth, Casting artificial. H. A. Wienand. No. 1,082,058; Dec. 23; Gaz. vol. 197; p. 826.
- Teeth, Device for cleaning. H. F. Hamilton. No. 1,058,234; Apr. 8; Gaz. vol. 189; p. 332.
- Teeth, Device for shaping gold crowns to. J. C. Schwartz. No. 1,052,850; Feb. 11; Gaz. vol. 187; p. 375.
- Teeth, Device for use in connection with the articulation of artificial. G. W. Clapp and E. S. Ulsaver. No. 1,079,540; Nov. 25; Gaz. vol. 196; p. 884.
- Teeth, Fastening pins to artificial. E. Liégey. No. 1,061,244; May 6; Gaz. vol. 190; p. 234.
- Teeth, Placing anchors in artificial. J. Kohn. No. 1,056,427; Mar. 18; Gaz. vol. 188; p. 667.
- Teeth, Producing backings for artificial. G. Holtz. No. 1,070,132; Aug. 12; Gaz. vol. 193; p. 388.
- Teeth, Removable bridge for. H. A. Gollobin and N. A. Bornstein. No. 1,062,233; May 20; Gaz. vol. 190; p. 646.
- Teeth-separator and mirror, Combined. B. L. Miller. No. 1,057,974; Apr. 1; Gaz. vol. 189; p. 198.
- Teeth, Suction-plate for artificial. H. Vigano. No. 1,068,952; July 29; Gaz. vol. 192; p. 1188.
- Telegraph and cable lines, Means for increasing the speed of transmission of signals over. G. Seibt. No. 1,063,396; June 3; Gaz. vol. 191; p. 77.
- Telegraph and signaling system, Combined. E. R. Gill. No. 1,063,193; June 3; Gaz. vol. 191; p. 9.
- Telegraph and telephone cross-arms and pins, Protector for. H. G. Newell. No. 1,065,068; June 17; Gaz. vol. 191; p. 714.
- Telegraph and telephone wires, Support for. H. L. Hoybook. No. 1,078,201; Nov. 11; Gaz. vol. 196; p. 361.
- Telegraph apparatus. C. M. Edwards. No. 1,068,749; July 29; Gaz. vol. 192; p. 1115.
- Telegraph apparatus. A. Rappenecker. No. 1,070,289; Aug. 12; Gaz. vol. 193; p. 442.
- Telegraph-converter. I. Kitsee. No. 1,051,599; Jan. 28; Gaz. vol. 186; p. 881.
- Telegraph display-signal. F. W. Wood. No. 1,067,629; July 15; Gaz. vol. 192; p. 660.
- Telegraph, Facsimile. F. De Bernochi. No. 1,069,535; Aug. 5; Gaz. vol. 193; p. 155.
- Telegraph, Image-transmitting. L. Tschörner. No. 1,075,614; Oct. 14; Gaz. vol. 195; p. 381.
- Telegraph instruments, Attachment for. R. A. Grout. No. 1,066,410; July 1; Gaz. vol. 192; p. 175.
- Telegraph-key. H. C. Dauphinais. No. 1,064,819; June 17; Gaz. vol. 191; p. 632.
- Telegraph-key. R. L. Boulter. No. 1,074,831; Oct. 7; Gaz. vol. 195; p. 82.
- Telegraph-lines and the like, Automatic resistance-regulator for. E. Bèlin. No. 1,058,533; Apr. 8; Gaz. vol. 189; p. 435.
- Telegraph receiver, Printing. G. S. Hiltz. No. 1,078,620; Nov. 18; Gaz. vol. 196; p. 537.
- Telegraph receiving and sending apparatus, Automatic change-over switch for wireless. W. L. Lewis. No. 1,074,057; Sept. 23; Gaz. vol. 194; p. 913.
- Telegraph-recorder, Engine-room. C. B. and J. D. E. Isakson. No. 1,054,206; Feb. 25; Gaz. vol. 187; p. 920.
- Telegraph, Ship's. F. W. Wood. No. 1,078,653; Nov. 18; Gaz. vol. 196; p. 548.
- Telegraph system. E. Pope. No. 1,052,513; Feb. 11; Gaz. vol. 187; p. 261.
- Telegraph system. C. M. Edwards. No. 1,062,824; May 27; Gaz. vol. 190; p. 882.
- Telegraphic system. J. Gell. No. 1,074,170; Sept. 30; Gaz. vol. 194; p. 980.
- Telegraph system. E. A. Burlingame. No. 1,078,899; Nov. 18; Gaz. vol. 196; p. 635.
- Telegraph system. I. Kitsee. No. 1,083,257; Dec. 30; Gaz. vol. 197; p. 1265.
- Telegraph system and alphabet, Printing. D. S. Hulfish, W. J. Herdman, and E. S. Lorimer. No. 1,077,278; Nov. 4; Gaz. vol. 196; p. 12.
- Telegraph system, Electromechanical. W. K. Queen and T. F. Pickett. No. 1,066,147; July 1; Gaz. vol. 192; p. 85.
- Telegraph system, High-speed. C. Kinsley. No. 1,053,042; Feb. 11; Gaz. vol. 187; p. 441.
- Telegraph system, Multiplex. J. F. D. Hoge. No. 1,078,284; Nov. 11; Gaz. vol. 196; p. 390.
- Telegraph system, Printing. F. B. Rae. No. 1,066,148; July 1; Gaz. vol. 192; p. 86.
- Telegraph system, Selective. C. M. Edwards. No. 1,068,869; July 29; Gaz. vol. 192; p. 1160.
- Telegraph systems, Aerial for wireless. H. L. Falk. No. 1,063,671; June 3; Gaz. vol. 191; p. 175.
- Telegraph systems, Receiver for electromechanical. W. K. Queen and T. F. Pickett. No. 1,068,076; July 22; Gaz. vol. 192; p. 844.
- Telegraph systems, Receiving-transformer for wireless. E. L. Colby. No. 1,058,555; Apr. 8; Gaz. vol. 189; p. 443.
- Telegraph-transmitter. J. E. Wright. No. 1,052,548; Feb. 11; Gaz. vol. 187; p. 272.
- Telegraph-transmitter. P. P. Dow. No. 1,059,529; Apr. 22; Gaz. vol. 189; p. 854.
- Telegraph-transmitter. E. C. Phillips and T. Rhodus. No. 1,064,373; June 10; Gaz. vol. 191; p. 446.
- Telegraph-transmitter. C. E. Scribner. No. 1,075,503; Oct. 14; Gaz. vol. 195; p. 343.
- Telegraph-transmitter. C. E. Scribner. No. 1,075,504; Oct. 14; Gaz. vol. 195; p. 343.
- Telegraph-transmitter, Automatic. L. M. Potts. No. 1,060,939; May 6; Gaz. vol. 190; p. 130.
- Telegraphs and the like, Developing apparatus for writing. A. Rappenecker. No. 1,070,290; Aug. 12; Gaz. vol. 193; p. 443.
- Telegrapher's key-button cushion. H. A. Kelty. No. 1,058,598; Apr. 8; Gaz. vol. 189; p. 457.
- Telegraphic recording instrument. E. T. Keim and W. W. Alexander. No. 1,051,118; Jan. 21; Gaz. vol. 186; p. 685.
- Telegraphic perforating-receiver. H. Bille. No. 1,076,944; Oct. 28; Gaz. vol. 195; p. 925.
- Telegraphic relay. S. G. Brown. No. 1,058,541; Apr. 8; Gaz. vol. 189; p. 439.
- Telegraphic strips, Perforating apparatus for. E. Berlin. No. 1,063,940; June 3; Gaz. vol. 191; p. 264.
- Telegraphic systems, Automatic transmitter for. J. Gell. No. 1,075,315; Oct. 7; Gaz. vol. 195; p. 253.
- Telegraphic systems, Receiver for automatic. J. Gell. No. 1,074,171; Sept. 30; Gaz. vol. 194; p. 980.
- Telegraphic-tape-perforating apparatus. J. P. O'Donohue. No. 1,050,163; Jan. 14; Gaz. vol. 186; p. 320.
- Telegraphic transmitter. I. Kitsee. No. 1,050,664; Jan. 14; Gaz. vol. 186; p. 492.
- Telegraphic transmitter. W. E. Shaw. No. 1,071,267; Aug. 26; Gaz. vol. 193; p. 846.
- Telegraphphone. J. H. J. Haines. No. 1,079,123; Nov. 18; Gaz. vol. 196; p. 713.
- Telegraphy. P. B. Delany. No. 1,060,325; Apr. 29; Gaz. vol. 189; p. 1164.
- Telegraphy. W. M. Bruce, Jr. No. 1,073,886; Sept. 23; Gaz. vol. 194; p. 856.
- Telegraphy, Apparatus for producing tone effects in wireless. M. Eastham. No. 1,056,892; Mar. 25; Gaz. vol. 188; p. 858.
- Telegraphy, Automatic. P. B. Delany. No. 1,052,219; Feb. 4; Gaz. vol. 187; p. 130.
- Telegraphy, Breaking means for radio. E. N. Pickerill. No. 1,073,624; Sept. 23; Gaz. vol. 194; p. 764.
- Telegraphy, Cable. I. Kitsee. No. 1,083,259; Dec. 30; Gaz. vol. 197; p. 1265.
- Telegraphy, Detector for wireless. T. L. Manning, Jr. No. 1,052,355; Feb. 4; Gaz. vol. 187; p. 173.
- Telegraphy, Method and means for printing. I. Kitsee. No. 1,050,662; Jan. 14; Gaz. vol. 186; p. 491.
- Telegraphy, Producing tone effects in wireless. M. Eastham. No. 1,056,893; Mar. 25; Gaz. vol. 188; p. 858.
- Telegraphy system. G. Wood. No. 1,064,805; June 17; Gaz. vol. 191; p. 628.
- Telegraphy, Wireless. R. A. Fessenden. No. 1,059,665; Apr. 22; Gaz. vol. 189; p. 898.
- Telemeter. V. Colzi and F. Bardelli. No. 1,058,556; Apr. 8; Gaz. vol. 189; p. 443.
- Telemeter. V. von Hofe. No. 1,067,027; July 8; Gaz. vol. 192; p. 417.
- Telemeter. O. Eppenstein. No. 1,067,512; July 15; Gaz. vol. 192; p. 620.
- Telemeter. V. Colzi and F. Bardelli. No. 1,080,421; Dec. 2; Gaz. vol. 197; p. 178.

Alphabetical list of inventions—Continued.

- Telemeter, Base-line. C. von Hofe. No. 1,060,902; May 6; Gaz. vol. 190; p. 118.
- Telemeter, Coincidence. O. Eppensteln. No. 1,074,935; Oct. 7; Gaz. vol. 195; p. 118.
- Telemeter, Stereoscopic. A. König. No. 1,062,166; May 20; Gaz. vol. 190; p. 623.
- Tele motors, Centralizing device for. J. T. Silander. No. 1,055,238; Mar. 4; Gaz. vol. 188; p. 195.
- Telephone. P. L. Jensen and E. S. Pridham. No. 1,051,113; Jan. 21; Gaz. vol. 186; p. 683.
- Telephone and fire-alarm system, Combined. W. W. Dean. No. 1,056,637; Mar. 18; Gaz. vol. 188; p. 740.
- Telephone, Answering and recording. C. J. Gustafson. No. 1,079,760; Nov. 25; Gaz. vol. 196; p. 963.
- Telephone apparatus, Desk. N. Pedersen. No. 1,049,526; Jan. 7; Gaz. vol. 186; p. 70.
- Telephone apparatus for trains. P. Robinson. No. 1,069,811; Aug. 12; Gaz. vol. 193; p. 278.
- Telephone attachment. C. R. Phillips. No. 1,055,555; Mar. 11; Gaz. vol. 188; p. 338.
- Telephone attachment. A. Schlosser. No. 1,058,631; Apr. 8; Gaz. vol. 189; p. 468.
- Telephone attachment. W. Bimson. No. 1,064,599; June 10; Gaz. vol. 191; p. 523.
- Telephone attachment. S. J. Heimbuecher, Jr. No. 1,065,805; June 24; Gaz. vol. 191; p. 999.
- Telephone attachment, Coin-actuated. G. P. Wriberg. No. 1,065,014; June 17; Gaz. vol. 191; p. 695.
- Telephone attachment, Sanitary. G. W. Downs. No. 1,066,388; July 1; Gaz. vol. 192; p. 169.
- Telephone-booths and the like, Warning device for. A. E. Ayer. No. 1,077,900; Nov. 4; Gaz. vol. 196; p. 225.
- Telephone-bracket. F. Fox. No. 1,078,577; Nov. 11; Gaz. vol. 196; p. 490.
- Telephone-call indicator. B. L. Behrendt. No. 1,050,514; Jan. 14; Gaz. vol. 186; p. 443.
- Telephone-call recorder. H. K. Sandell. No. 1,064,998; June 17; Gaz. vol. 191; p. 691.
- Telephone-call register. W. G. Bell and W. H. Vinto. No. 1,066,176; July 1; Gaz. vol. 192; p. 96.
- Telephone-call register. H. S. Brewington. No. 1,068,972; July 29; Gaz. vol. 192; p. 1194.
- Telephone call system, Selective. O. N. Lindsey. No. 1,053,048; Feb. 11; Gaz. vol. 187; p. 443.
- Telephone-calls, Apparatus for recording. E. H. Bridge. No. 1,064,049; June 10; Gaz. vol. 191; p. 335.
- Telephone-calls, Enumeration of. S. D. Williams. No. 1,074,677; Oct. 7; Gaz. vol. 195; p. 32.
- Telephone-circuits, Automatic battery cut-out for. A. R. Nelson. No. 1,072,400; Sept. 2; Gaz. vol. 194; p. 248.
- Telephone-comptometer. G. W. Jones. No. 1,055,917; Mar. 11; Gaz. vol. 188; p. 459.
- Telephone, Condenser. J. Unterholzner. No. 1,082,248; Dec. 23; Gaz. vol. 197; p. 891.
- Telephone-connection pole, Train. W. Leach. No. 1,067,354; July 15; Gaz. vol. 192; p. 567.
- Telephone, Desk. A. C. Reid. No. 1,060,211; Apr. 29; Gaz. vol. 189; p. 1121.
- Telephone-directory. C. F. Henderson. No. 1,052,582; Feb. 11; Gaz. vol. 187; p. 284.
- Telephone disinfectant attachment. J. Tichy. No. 1,068,949; July 29; Gaz. vol. 192; p. 1187.
- Telephone-exchange switching mechanism. F. A. Lundquist. No. 1,081,128; Dec. 9; Gaz. vol. 197; p. 446.
- Telephone-exchange system. M. L. Johnson. No. 1,053,998; Feb. 25; Gaz. vol. 187; p. 850.
- Telephone-exchange system. J. N. Reynolds. No. 1,058,903; Apr. 15; Gaz. vol. 189; p. 602.
- Telephone-exchange system. C. A. Bals. No. 1,061,516; May 13; Gaz. vol. 190; p. 363.
- Telephone-exchange system. E. R. Corwin. No. 1,071,209; Aug. 26; Gaz. vol. 193; p. 827.
- Telephone-exchange system. S. H. Browne. No. 1,073,589; Sept. 23; Gaz. vol. 194; p. 753.
- Telephone-exchange system. F. R. McBerty. No. 1,075,430; Oct. 14; Gaz. vol. 195; p. 318.
- Telephone-exchange system. W. Aitken. No. 1,079,156; Nov. 18; Gaz. vol. 196; p. 725.
- Telephone-exchange system, Automatic. J. Peticky. No. 1,053,864; Feb. 18; Gaz. vol. 187; p. 766.
- Telephone-exchange system, Automatic. F. Wöhler. No. 1,054,887; Mar. 4; Gaz. vol. 188; p. 81.
- Telephone-exchange systems, Automatic switch for. E. E. Clement. No. 1,076,020; Oct. 21; Gaz. vol. 195; p. 547.
- Telephone-exchange systems, Chronometer-controlled signaling device for. I. D. Fellows. No. 1,049,568; Jan. 7; Gaz. vol. 186; p. 87.
- Telephone-exchange time-controlled alarm system. P. J. Dell, Jr. No. 1,050,765; Jan. 14; Gaz. vol. 186; p. 525.
- Telephone-exchange trunking system. A. E. Keith. No. 1,078,685; Nov. 18; Gaz. vol. 196; p. 560.
- Telephone-exchanges, Party-line system for automatic. F. Aldendorff. No. 1,077,185; Oct. 28; Gaz. vol. 195; p. 1002.
- Telephone-fixture. W. C. Ude. No. 1,050,404; Jan. 14; Gaz. vol. 186; p. 403.
- Telephone for party-lines, Lock-out. E. Bowman. No. 1,071,292; Aug. 26; Gaz. vol. 193; p. 854.
- Telephone hand set. R. R. Ireland and A. F. F. Gilson. No. 1,075,423; Oct. 14; Gaz. vol. 195; p. 315.
- Telephone-indicator. T. L. Savin. No. 1,081,990; Dec. 23; Gaz. vol. 197; p. 802.
- Telephone-instrument attachment. W. Wood. No. 1,078,117; Nov. 11; Gaz. vol. 196; p. 332.
- Telephone-lines, &c., Exchange system for. A. Lawrence. No. 1,061,852; May 13; Gaz. vol. 190; p. 473.
- Telephone-lines, Lock-out switch for party. J. G. Roberts. No. 1,057,500; Apr. 1; Gaz. vol. 189; p. 36.
- Telephone lock-out. W. L. Campbell. No. 1,061,898; May 13; Gaz. vol. 190; p. 488.
- Telephone-locking device. A. Fornander. No. 1,056,655; Mar. 18; Gaz. vol. 188; p. 746.
- Telephone-locking device. C. C. Bielitz. No. 1,066,786; July 8; Gaz. vol. 192; p. 338.
- Telephone-locking device, Desk. C. D. Rhinehart, Jr., and L. P. Saponoff. No. 1,070,291; Aug. 12; Gaz. vol. 193; p. 443.
- Telephone-locking mechanism. W. A. Morse. No. 1,069,458; Aug. 5; Gaz. vol. 193; p. 130.
- Telephone metering system. E. H. Martin. No. 1,059,745; Apr. 22; Gaz. vol. 189; p. 924.
- Telephone-mouthpiece, Antiseptic. I. S. Rosenblatt. No. 1,059,073; Apr. 15; Gaz. vol. 189; p. 661.
- Telephone-mouthpiece, Individual. C. S. Warren. No. 1,072,537; Sept. 9; Gaz. vol. 194; p. 325.
- Telephone-mouthpiece, Sanitary. J. McCausland. No. 1,052,162; Feb. 4; Gaz. vol. 187; p. 111.
- Telephone-mouthpieces, Automatic disinfectant-holder for. A. B. Buckland. No. 1,079,538; Nov. 25; Gaz. vol. 196; p. 883.
- Telephone-muffler. M. Weil. No. 1,058,120; Apr. 8; Gaz. vol. 189; p. 293.
- Telephone muffler attachment. G. Kracker. No. 1,064,492; June 10; Gaz. vol. 191; p. 488.
- Telephone-operators' positions, System for dividing calls among. H. J. W. Fay and E. C. Molina. No. 1,073,748; Sept. 23; Gaz. vol. 194; p. 810.
- Telephone outfit for the deaf. K. M. Turner. No. 1,073,788; Sept. 23; Gaz. vol. 194; p. 823.
- Telephone pay-station. W. Milford. No. 1,053,849; Feb. 18; Gaz. vol. 187; p. 761.
- Telephone pay-station. G. A. Long. No. 1,075,485; Oct. 14; Gaz. vol. 195; p. 337.
- Telephone, Phonographic wireless. A. F. Collins. No. 1,050,777; Jan. 14; Gaz. vol. 186; p. 528.
- Telephone-receiver. E. B. Craft and J. N. Reynolds. No. 1,062,082; May 20; Gaz. vol. 190; p. 594.
- Telephone-receiver. M. Setter. No. 1,082,289; Dec. 23; Gaz. vol. 197; p. 906.
- Telephone-receiver casing. L. Swanson. No. 1,067,561; July 15; Gaz. vol. 192; p. 636.
- Telephone-receiver holder. A. Orzechowski. No. 1,052,443; Feb. 4; Gaz. vol. 187; p. 205.
- Telephone-receiver holder. A. Wetzel. No. 1,069,307; Aug. 5; Gaz. vol. 193; p. 76.
- Telephone-receiver holder. H. C. Raiber. No. 1,073,708; Sept. 23; Gaz. vol. 194; p. 797.
- Telephone-receiver-locking device. W. W. Bythiner. No. 1,068,627; July 29; Gaz. vol. 192; p. 1073.
- Telephone-receiver stand. M. Schwartzberg. No. 1,074,648; Oct. 7; Gaz. vol. 195; p. 21.
- Telephone-receiver support. F. S. Maxwell. No. 1,056,196; Mar. 18; Gaz. vol. 188; p. 589.
- Telephone-receiver support. C. D. Wightman. No. 1,065,570; June 24; Gaz. vol. 191; p. 921.
- Telephone recording apparatus, Electric. S. B. Irvin. No. 1,055,279; Mar. 4; Gaz. vol. 188; p. 207.
- Telephone register and lock-out device. C. V. Richey. No. 1,063,599; June 3; Gaz. vol. 191; p. 147.
- Telephone register and lock-out device. C. V. Richey. No. 1,067,274; July 15; Gaz. vol. 192; p. 540.
- Telephone-repeater. D. H. Wilson. No. 1,059,690; Apr. 22; Gaz. vol. 189; p. 906.
- Telephone repeater system. H. E. Shreeve. No. 1,074,298; Sept. 30; Gaz. vol. 194; p. 1022.
- Telephone-ringer, Harmonic party-line. C. J. Erickson. No. 1,051,989; Feb. 4; Gaz. vol. 187; p. 48.
- Telephone service, Rent-collecting means for. R. Yearneau. No. 1,052,989; Feb. 11; Gaz. vol. 187; p. 423.
- Telephone set. A. B. Allen and L. Day. No. 1,057,516; Apr. 1; Gaz. vol. 189; p. 41.
- Telephone set, Substation. W. O. Beck. No. 1,071,601; Aug. 26; Gaz. vol. 193; p. 956.
- Telephone-signal. A. U. Gerber. No. 1,061,238; May 6; Gaz. vol. 190; p. 232.
- Telephone signaling system. W. G. Blauvelt. No. 1,055,863; Mar. 11; Gaz. vol. 188; p. 442.
- Telephone switch-hooks, Attachment for controlling. J. Friih. No. 1,082,856; Dec. 30; Gaz. vol. 197; p. 1135.
- Telephone-switchboard. P. C. Burns. No. 1,050,101; Jan. 14; Gaz. vol. 186; p. 300.
- Telephone-switchboard. P. C. Burns. No. 1,054,275; Feb. 25; Gaz. vol. 187; p. 943.
- Telephone switching system. W. Aitken. No. 1,079,533; Nov. 25; Gaz. vol. 196; p. 882.
- Telephone system. E. R. Hobbs. No. 1,051,109; Jan. 21; Gaz. vol. 186; p. 682.
- Telephone system. D. L. Temple and C. L. Goodrum. No. 1,057,595; Apr. 1; Gaz. vol. 189; p. 68.

Alphabetical list of inventions—Continued.

- Telephone system. H. J. White. No. 1,058,505; Apr. 8; Gaz. vol. 189; p. 426.
- Telephone system. R. C. M. Hastings. No. 1,061,287; May 13; Gaz. vol. 190; p. 283.
- Telephone system. F. G. Agrell. No. 1,061,650; May 13; Gaz. vol. 190; p. 410.
- Telephone system. F. G. Agrell. No. 1,061,651; May 13; Gaz. vol. 190; p. 411.
- Telephone system. R. C. M. Hastings. No. 1,062,004; May 20; Gaz. vol. 190; p. 567.
- Telephone system. E. E. Kleinschmidt. No. 1,062,577; May 20; Gaz. vol. 190; p. 759.
- Telephone system. O. M. Leich. No. 1,063,361; June 3; Gaz. vol. 191; p. 64.
- Telephone system. M. E. Grönvigh. No. 1,067,606; July 15; Gaz. vol. 192; p. 652.
- Telephone system. G. A. Betulander. No. 1,070,104; Aug. 12; Gaz. vol. 193; p. 379.
- Telephone system. E. R. Corwin and C. A. Bals. No. 1,071,207; Aug. 26; Gaz. vol. 193; p. 826.
- Telephone system. E. R. Corwin. No. 1,071,208; Aug. 26; Gaz. vol. 193; p. 826.
- Telephone system. J. G. Blessing. No. 1,075,007; Oct. 7; Gaz. vol. 195; p. 143.
- Telephone system. C. W. McGonigle. No. 1,076,990; Oct. 28; Gaz. vol. 195; p. 941.
- Telephone system, Automatic. F. Newforth, Jr. No. 1,078,690; Nov. 18; Gaz. vol. 196; p. 561.
- Telephone system, Coin-controlled. G. A. Graves. No. 1,056,021; Mar. 18; Gaz. vol. 188; p. 530.
- Telephone system, Harmonic selective. A. F. Poole. No. 1,070,726; Aug. 19; Gaz. vol. 193; p. 632.
- Telephone system, Intercommunicating. L. D. Barrows. No. 1,060,308; Apr. 29; Gaz. vol. 189; p. 1157.
- Telephone system, Intercommunicating. P. G. Burgess. No. 1,080,260; Dec. 2; Gaz. vol. 197; p. 120.
- Telephone system, Measured-service. J. Erickson. No. 1,062,387; May 20; Gaz. vol. 190; p. 697.
- Telephone system, Party-line. B. C. Groh. No. 1,050,532; Jan. 14; Gaz. vol. 186; p. 449.
- Telephone system, Special-call. A. E. Keith. No. 1,051,894; Feb. 4; Gaz. vol. 187; p. 16.
- Telephone-system station instrument. A. E. Keith. No. 1,077,225; Oct. 28; Gaz. vol. 195; p. 1016.
- Telephone systems, Automatic switch for. G. E. Mueller. No. 1,068,521; July 29; Gaz. vol. 192; p. 1036.
- Telephone systems, Protected-cable-terminal box for. T. B. Farmer. No. 1,078,343; Nov. 18; Gaz. vol. 196; p. 616.
- Telephone systems, Selecting apparatus for. R. C. M. Hastings. No. 1,061,286; May 13; Gaz. vol. 190; p. 283.
- Telephone time-signal. W. Pothén. No. 1,059,758; Apr. 22; Gaz. vol. 189; p. 928.
- Telephone-transmitter. C. E. Scribner. No. 1,050,304; Jan. 14; Gaz. vol. 186; p. 368.
- Telephone-transmitter. F. Gottschalk. (Reissue.) No. 1,3533; Feb. 18; Gaz. vol. 187; p. 800.
- Telephone-transmitter. W. J. Marchant. No. 1,054,581; Feb. 25; Gaz. vol. 187; p. 1048.
- Telephone-transmitter. J. Collins. No. 1,067,718; July 15; Gaz. vol. 192; p. 690.
- Telephone-transmitter. H. C. Egerton. No. 1,073,667; Sept. 23; Gaz. vol. 194; p. 781.
- Telephone-transmitter. W. Kaisling. No. 1,076,041; Oct. 21; Gaz. vol. 195; p. 554.
- Telephone-transmitter. H. E. Shreeve. No. 1,077,373; Nov. 4; Gaz. vol. 196; p. 46.
- Telephone-transmitter attachment. E. M. Schollenberger. No. 1,072,513; Sept. 9; Gaz. vol. 194; p. 316.
- Telephone-transmitters for strong current, Cooling device for. C. E. Egnér and J. G. Holmström. No. 1,068,871; July 29; Gaz. vol. 192; p. 1160.
- Telephone trunking system. E. D. Fales. No. 1,064,719; June 17; Gaz. vol. 191; p. 600.
- Telephone-wires, Apparatus for grounding. P. T. Hudson. No. 1,060,598; May 6; Gaz. vol. 190; p. 12.
- Telephones and similar instruments, Antiseptic mouth-piece for. M. Rosenwald and J. C. Doran. No. 1,063,601; June 3; Gaz. vol. 191; p. 148.
- Telephones, Busy-signal attachment for. A. M. Beeler. No. 1,061,589; May 13; Gaz. vol. 190; p. 390.
- Telephones, Detector for party-line. J. W. Nilsson. No. 1,053,430; Feb. 18; Gaz. vol. 187; p. 620.
- Telephones, Switchboard circuits and apparatus for. H. J. Roberts. No. 1,077,753; Nov. 4; Gaz. vol. 196; p. 175.
- Telephonic and like instruments, Cushion for diaphragms of. W. P. Stunz. No. 1,062,559; May 20; Gaz. vol. 190; p. 752.
- Telephonic apparatus. C. Adams-Randall. No. 1,062,754; May 27; Gaz. vol. 190; p. 858.
- Telephonic-apparatus key construction and release. W. P. Andrick, E. Lowe, and H. W. Haff. No. 1,081,712; Dec. 16; Gaz. vol. 197; p. 678.
- Telephonic-apparatus key construction and support. W. P. Andrick, E. Lowe, and H. W. Haff. No. 1,060,576; May 6; Gaz. vol. 190; p. 4.
- Telephonic disturbances, Reducing. O. B. Blackwell and G. A. Anderegg. No. 1,064,433; June 10; Gaz. vol. 191; p. 468.
- Telephonic receivers, &c., Diaphragm for. A. Marr. No. 1,061,766; May 13; Gaz. vol. 190; p. 448.
- Telephony. M. L. Johnson. No. 1,053,997; Feb. 25; Gaz. vol. 187; p. 849.
- Telephony. E. R. Corwin. No. 1,054,176; Feb. 25; Gaz. vol. 187; p. 910.
- Telephony. E. R. Corwin. No. 1,055,988; Mar. 11; Gaz. vol. 188; p. 484.
- Telephony. E. R. Corwin. No. 1,055,989; Mar. 11; Gaz. vol. 188; p. 485.
- Telephony. M. L. Johnson. No. 1,056,423; Mar. 18; Gaz. vol. 188; p. 665.
- Telephony. M. L. Johnson. No. 1,056,424; Mar. 18; Gaz. vol. 188; p. 666.
- Telephony. M. L. Johnson. No. 1,056,425; Mar. 18; Gaz. vol. 188; p. 667.
- Telephony. C. A. Bals. No. 1,061,515; May 13; Gaz. vol. 190; p. 362.
- Telephony. S. G. Brown. No. 1,061,813; May 13; Gaz. vol. 190; p. 461.
- Telephony. I. Kitsee. No. 1,062,161; May 20; Gaz. vol. 190; p. 621.
- Telephony. S. G. Brown. No. 1,067,715; July 15; Gaz. vol. 192; p. 689.
- Telephony. E. R. Corwin. No. 1,071,210; Aug. 26; Gaz. vol. 193; p. 827.
- Telephony. E. R. Corwin. No. 1,071,211; Aug. 26; Gaz. vol. 193; p. 828.
- Telephony. E. R. Corwin. No. 1,071,212; Aug. 26; Gaz. vol. 193; p. 829.
- Telephony. M. L. Johnson. No. 1,075,257; Oct. 7; Gaz. vol. 195; p. 231.
- Telephony. M. L. Johnson. No. 1,075,258; Oct. 7; Gaz. vol. 195; p. 231.
- Telephony. M. L. Johnson. No. 1,075,259; Oct. 7; Gaz. vol. 195; p. 232.
- Telephony. M. L. Johnson. No. 1,075,260; Oct. 7; Gaz. vol. 195; p. 233.
- Telephony. I. Kitsee. No. 1,083,256; Dec. 30; Gaz. vol. 197; p. 1264.
- Telephony and telegraphy. S. G. Brown. No. 1,055,870; Mar. 11; Gaz. vol. 188; p. 445.
- Telephony, Selective system of. R. C. M. Hastings. No. 1,061,285; May 13; Gaz. vol. 190; p. 283.
- Telephony, System of radio-. W. Schloemilch and P. F. Pichon. No. 1,052,849; Feb. 11; Gaz. vol. 187; p. 375.
- Telephony, Wireless. V. H. Laughter. No. 1,067,179; July 8; Gaz. vol. 192; p. 469.
- Telescope, Double. O. Mackensen. No. 1,067,532; July 15; Gaz. vol. 192; p. 627.
- Telescopic box. R. Pracht. No. 1,069,723; Aug. 12; Gaz. vol. 193; p. 248.
- Tellurian. G. T. Huff. No. 1,065,944; July 1; Gaz. vol. 192; p. 14.
- Tellurian. W. F. Gunson and W. Park. No. 1,067,517; July 15; Gaz. vol. 192; p. 622.
- Temperature-controlled regulating device. H. E. Beighlee. No. 1,059,971; Apr. 29; Gaz. vol. 189; p. 1041.
- Temperature-controller. M. Schulz. No. 1,078,752; Nov. 18; Gaz. vol. 196; p. 583.
- Temperature-indicators, Device for projecting the images of. G. M. Guerrant. No. 1,074,260; Sept. 30; Gaz. vol. 194; p. 1010.
- Temperature-regulating apparatus. A. Theobald. No. 1,051,525; Jan. 28; Gaz. vol. 186; p. 855.
- Temperature-regulating apparatus. J. M. Larson. No. 1,058,874; Apr. 15; Gaz. vol. 189; p. 591.
- Temperature-regulator, Automatic. B. F. Teal. No. 1,067,627; July 15; Gaz. vol. 192; p. 659.
- Temperatures, Means for providing constant and known high. W. R. Whitney. No. 1,064,037; June 10; Gaz. vol. 191; p. 331.
- Tempering-vat. A. T. Upton. No. 1,081,473; Dec. 16; Gaz. vol. 197; p. 602.
- Templet. H. B. Ash. No. 1,064,593; June 10; Gaz. vol. 191; p. 521.
- Templet. H. B. Ash. No. 1,066,694; July 8; Gaz. vol. 192; p. 307.
- Templet. H. B. Ash. No. 1,066,695; July 8; Gaz. vol. 192; p. 307.
- Templet device. G. B. Williams. No. 1,065,994; July 1; Gaz. vol. 192; p. 32.
- Templet, Flexible. T. A. Roy and J. H. Hindley. No. 1,078,879; Nov. 18; Gaz. vol. 196; p. 628.
- Templet, Framing-. W. A. Zumwalt. No. 1,059,513; Apr. 22; Gaz. vol. 189; p. 849.
- Templet holding and directing machine. C. H. Nichols. No. 1,055,785; Mar. 11; Gaz. vol. 188; p. 416.
- Tempo-regulator, Automatic. P. B. Olson. No. 1,076,695; Oct. 28; Gaz. vol. 195; p. 836.
- Tender-frame. S. M. Vauclain. No. 1,070,211; Aug. 12; Gaz. vol. 193; p. 416.
- Tenon-machine gage. A. R. Rumohr. No. 1,082,048; Dec. 23; Gaz. vol. 197; p. 823.
- Tenoning-machine. L. Olsen. No. 1,082,760; Dec. 30; Gaz. vol. 197; p. 1103.
- Tenpin. C. Suss. No. 1,078,223; Nov. 11; Gaz. vol. 196; p. 369.
- Tension device. W. S. Wells. No. 1,055,108; Mar. 4; Gaz. vol. 188; p. 154.

Alphabetical list of inventions—Continued.

- Tension device. A. Crawford. No. 1,064,292; June 10; Gaz. vol. 191; p. 419.
- Tension device. C. Ryden. No. 1,066,849; July 8; Gaz. vol. 192; p. 357.
- Tension device. W. Marcroft. No. 1,078,448; Nov. 11; Gaz. vol. 196; p. 449.
- Tension-regulator. F. O. Gamble. No. 1,051,878; Feb. 4; Gaz. vol. 187; p. 10.
- Tent. J. Bernitt. No. 1,058,142; Apr. 8; Gaz. vol. 189; p. 301.
- Tent. F. L. Gould. No. 1,079,757; Nov. 25; Gaz. vol. 196; p. 962.
- Tent. W. H. Richling. No. 1,081,699; Dec. 16; Gaz. vol. 197; p. 674.
- Tent and ground floor-cloth. Combined. F. Eberhardt. No. 1,057,628; Apr. 1; Gaz. vol. 189; p. 79.
- Tent, Folding. H. C. Parker. No. 1,051,252; Jan. 21; Gaz. vol. 186; p. 728.
- Tent-frame. R. B. Fowzer. No. 1,081,902; Dec. 16; Gaz. vol. 197; p. 743.
- Tent-frame, Collapsible. B. F. Douglass. No. 1,082,937; Dec. 30; Gaz. vol. 197; p. 1163.
- Tent, Hanging. C. B. Avery and M. C. and L. A. Alvesson. No. 1,081,481; Dec. 16; Gaz. vol. 197; p. 605.
- Tent-opening frame. F. P. Canfield. No. 1,064,610; June 10; Gaz. vol. 191; p. 527.
- Tent-pin. J. L. McKinney. No. 1,059,379; Apr. 22; Gaz. vol. 189; p. 801.
- Tent, Portable. F. W. Lyttle. No. 1,068,352; July 22; Gaz. vol. 192; p. 940.
- Terminal-fastening. C. W. Beck. No. 1,049,557; Jan. 7; Gaz. vol. 186; p. 83.
- Terrestrial orrery. C. Sheldon. No. 1,050,044; Jan. 7; Gaz. vol. 186; p. 246.
- Tether for harness, Drop-. J. S. Anderson. No. 1,052,640; Feb. 11; Gaz. vol. 187; p. 304.
- Test-burner. G. M. S. Tait. No. 1,058,702; Apr. 8; Gaz. vol. 189; p. 493.
- Testing-machine. F. L. Armstrong. No. 1,052,302; Feb. 4; Gaz. vol. 187; p. 156.
- Testing the durability of material which is exposed to repeatedly-applied stresses, Means for. G. Kapp. No. 1,062,595; May 27; Gaz. vol. 190; p. 807.
- Tether. H. L. Duxstad. No. 1,060,439; Apr. 29; Gaz. vol. 189; p. 1203.
- Tetradotoxin and extracting the same. Y. Tahara. No. 1,058,643; Apr. 8; Gaz. vol. 189; p. 471.
- Textile and other manufactures, Product for use in. P. C. D. Castle. No. 1,063,118; May 27; Gaz. vol. 190; p. 930.
- Textile articles, Preserving. A. Fowler. No. 1,075,206; Oct. 7; Gaz. vol. 195; p. 213.
- Textile fabrics, Treating. M. Petzold. No. 1,058,459; Apr. 8; Gaz. vol. 189; p. 411.
- Textile-machine. H. D. Colman. No. 1,050,762; Jan. 14; Gaz. vol. 186; p. 523.
- Textile-machine. C. Marx. No. 1,071,069; Aug. 26; Gaz. vol. 193; p. 780.
- Textile-machine. T. E. Bingham. No. 1,081,423; Dec. 16; Gaz. vol. 197; p. 584.
- Textile materials, Apparatus for smoothing hanks of. A. Clavel. No. 1,083,003; Dec. 30; Gaz. vol. 197; p. 1185.
- Thawing frozen meats. E. T. Clair. No. 1,059,597; Apr. 22; Gaz. vol. 189; p. 875.
- Theater-stage. S. M. Keyte. No. 1,076,653; Oct. 21; Gaz. vol. 195; p. 770.
- Theater or the like chair. A. Forster and H. Wanek. No. 1,081,034; Dec. 9; Gaz. vol. 197; p. 417.
- Theatrical appliance. A. S. Moorman. No. 1,055,208; Mar. 4; Gaz. vol. 188; p. 185.
- Therapeutic apparatus. M. P. Segebarth. No. 1,071,591; Aug. 26; Gaz. vol. 193; p. 953.
- Therapeutic apparatus. A. Fumo. No. 1,078,343; Nov. 11; Gaz. vol. 196; p. 411.
- Therapeutic compound and making the same. E. Hug. No. 1,069,954; Aug. 12; Gaz. vol. 193; p. 327.
- Therapeutic device. W. B. Russell. No. 1,073,524; Sept. 16; Gaz. vol. 194; p. 707.
- Therapeutic device. W. B. Russell. No. 1,073,525; Sept. 16; Gaz. vol. 194; p. 708.
- Therapeutic device for utilizing radiant energy. S. A. Cunningham. No. 1,061,225; May 6; Gaz. vol. 190; p. 227.
- Therapeutical composition containing a bromid. A. Ulrich. No. 1,054,258; Feb. 25; Gaz. vol. 187; p. 937.
- Therapeutical compound. W. Hiemenz and W. Kropp. No. 1,056,674; Mar. 18; Gaz. vol. 188; p. 753.
- Thermal cut-out. C. D. Haskins. No. 1,060,757; May 6; Gaz. vol. 190; p. 66.
- Thermal generator. W. W. Coblentz. No. 1,077,219; Oct. 28; Gaz. vol. 195; p. 1013.
- Thermal interchanging apparatus. J. I. Lyle. No. 1,082,539; Dec. 30; Gaz. vol. 197; p. 1022.
- Thermal interchanging process. J. I. Lyle. No. 1,072,133; Sept. 2; Gaz. vol. 194; p. 159.
- Thermal motor. C. A. Anderson. No. 1,055,439; Mar. 11; Gaz. vol. 188; p. 301.
- Thermo-electric couple. E. Weintraub. No. 1,079,621; Nov. 25; Gaz. vol. 196; p. 914.
- Thermo-electric switch. H. Gillette. No. 1,080,908; Dec. 9; Gaz. vol. 197; p. 376.
- Thermometer. H. Frankenberg. No. 1,059,857; Apr. 22; Gaz. vol. 189; p. 959.
- Thermometer. L. E. Parlman. No. 1,081,139; Dec. 9; Gaz. vol. 197; p. 450.
- Thermometer casing, Clinical-. R. F. Schneider. No. 1,058,199; Apr. 8; Gaz. vol. 189; p. 320.
- Thermometer casing, Clinical-. D. G. McLean. No. 1,060,553; Apr. 29; Gaz. vol. 189; p. 1242.
- Thermometer, Clinical. W. M. Bevis. No. 1,058,840; Apr. 15; Gaz. vol. 189; p. 579.
- Thermometer, Incubator-. C. Roberts. No. 1,079,724; Nov. 25; Gaz. vol. 196; p. 949.
- Thermometer, Oven-. W. V. Robinson. No. 1,069,647; Aug. 5; Gaz. vol. 193; p. 191.
- Thermometer, Self-recording. T. H. Wurmb and R. Baumann. No. 1,069,594; Aug. 5; Gaz. vol. 193; p. 174.
- Thermopile. W. W. Coblentz. No. 1,081,365; Dec. 16; Gaz. vol. 197; p. 566.
- Thermoregulator. W. J. Smith. No. 1,080,493; Dec. 2; Gaz. vol. 197; p. 201.
- Thermostat. L. A. Lindsey. No. 1,052,674; Feb. 11; Gaz. vol. 187; p. 316.
- Thermostat. W. S. Hadaway, Jr. No. 1,052,816; Feb. 11; Gaz. vol. 187; p. 364.
- Thermostat. W. W. Dean. No. 1,056,638; Mar. 18; Gaz. vol. 188; p. 741.
- Thermostat. T. H. Wurmb and R. Baumann. No. 1,062,136; May 20; Gaz. vol. 190; p. 613.
- Thermostat. F. W. Powers. No. 1,064,168; June 10; Gaz. vol. 191; p. 376.
- Thermostat. E. S. Halsey. No. 1,073,899; Sept. 23; Gaz. vol. 194; p. 861.
- Thermostat and thermometer. L. G. Copeman. No. 1,055,446; Mar. 11; Gaz. vol. 188; p. 304.
- Thermostat, Circuit-controlling. J. F. McElroy. No. 1,063,369; June 3; Gaz. vol. 191; p. 67.
- Thermostat, Electrical. M. Nemmert and G. Schnabel. No. 1,049,516; Jan. 7; Gaz. vol. 186; p. 66.
- Thermostat for controlling furnaces. L. A. Larson. No. 1,069,438; Aug. 5; Gaz. vol. 193; p. 123.
- Thermostat, Multiple-cell. J. L. Fitts. No. 1,070,027; Aug. 12; Gaz. vol. 193; p. 352.
- Thermostatic alarm. I. S. Shultz. No. 1,055,815; Mar. 11; Gaz. vol. 188; p. 427.
- Thermostatic alarm. F. Jaynes. No. 1,066,731; July 8; Gaz. vol. 192; p. 320.
- Thermostatic device for determining the temperature of heated surfaces. E. J. McDonnell, Jr. No. 1,062,348; May 20; Gaz. vol. 190; p. 684.
- Thermostatic device for varying magnetic field. J. K. Stewart. No. 1,082,566; Dec. 30; Gaz. vol. 197; p. 1033.
- Thermostatic mechanism. E. E. Gold. No. 1,077,224; Oct. 28; Gaz. vol. 195; p. 1015.
- Thermostatic regulator. C. H. Stenberg. No. 1,074,578; Sept. 30; Gaz. vol. 194; p. 1113.
- Thermostatic switch. A. E. Weed. No. 1,052,987; Feb. 11; Gaz. vol. 187; p. 422.
- Thermotelephone or the like. B. Gwózdź. No. 1,064,471; June 10; Gaz. vol. 191; p. 481.
- Thill and pole holdback-lock. F. W. Chickering. No. 1,053,358; Feb. 18; Gaz. vol. 187; p. 595.
- Thill-coupling. C. E. Townley. No. 1,062,671; May 27; Gaz. vol. 190; p. 832.
- Thill-coupling. G. T. Hambrick and E. B. Peters. No. 1,065,906; June 24; Gaz. vol. 191; p. 1034.
- Thill-coupling. W. A. Buchanan. No. 1,073,328; Sept. 16; Gaz. vol. 194; p. 642.
- Thill-loop holder. J. Tatman. No. 1,055,369; Mar. 11; Gaz. vol. 188; p. 278.
- Thill-releasing device. D. A. Derby. No. 1,068,328; July 22; Gaz. vol. 192; p. 932.
- Thill-support. E. F. Hoffman. No. 1,050,653; Jan. 14; Gaz. vol. 186; p. 489.
- Thimble. E. Palter. No. 1,057,496; Apr. 1; Gaz. vol. 189; p. 34.
- Thimble, Leather-worker's. D. Manson. No. 1,082,542; Dec. 30; Gaz. vol. 197; p. 1024.
- Thorium, Obtaining. M. Koss. No. 1,069,959; Aug. 12; Gaz. vol. 193; p. 328.
- Thread and twine cutting device. S. Ronda. No. 1,073,522; Sept. 16; Gaz. vol. 194; p. 707.
- Thread-board. H. A. Owen. No. 1,067,055; July 8; Gaz. vol. 192; p. 427.
- Thread-carrier. A. Petersen. No. 1,049,391; Jan. 7; Gaz. vol. 186; p. 25.
- Thread-carrier. A. Rosenberg. No. 1,066,226; July 1; Gaz. vol. 192; p. 115.
- Thread-cop. A. N. Chartier. No. 1,066,466; July 8; Gaz. vol. 192; p. 225.
- Thread-cutter. R. A. Kramer. No. 1,049,874; Jan. 7; Gaz. vol. 186; p. 189.
- Thread-cutting device. C. M. Horton. No. 1,051,998; Feb. 4; Gaz. vol. 187; p. 52.
- Thread-cutting device. J. J. Sullivan. No. 1,066,862; July 8; Gaz. vol. 192; p. 363.
- Thread-cutting machine. E. Riley. No. 1,072,503; Sept. 9; Gaz. vol. 194; p. 312.

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- Thread-cutting tool. R. B. Tewksbury. No. 1,052,769; Feb. 11; Gaz. vol. 187; p. 347.
- Thread-cutting tool. B. Borden. No. 1,076,188; Oct. 21; Gaz. vol. 195; p. 604.
- Thread doubling and twisting machine attachment. J. S. Henry. No. 1,071,417; Aug. 26; Gaz. vol. 193; p. 897.
- Thread-guide. J. Jeffers. No. 1,082,874; Dec. 30; Gaz. vol. 197; p. 1141.
- Thread-guide support. H. G. Beede. No. 1,064,279; June 10; Gaz. vol. 191; p. 414.
- Thread holder and cutter. J. E. Farrell. No. 1,050,118; Jan. 14; Gaz. vol. 186; p. 305.
- Thread made from horsehair and forming same. R. Gra-bein. No. 1,057,725; Apr. 1; Gaz. vol. 189; p. 112.
- Thread-stand. J. Maitland. No. 1,060,198; Apr. 29; Gaz. vol. 189; p. 1117.
- Thread-stand. J. Maitland. No. 1,074,553; Sept. 30; Gaz. vol. 194; p. 1104.
- Thread-treating apparatus. C. S. Althouse. No. 1,061,652; May 13; Gaz. vol. 190; p. 411.
- Threads. Apparatus for the removal of projecting hairs and the like from wool-yarn. O. Stöhr. No. 1,062,806; May 27; Gaz. vol. 190; p. 876.
- Threads, bands, and filaments. Manufacturing artificial lustrous. F. Dietler. No. 1,073,891; Sept. 23; Gaz. vol. 194; p. 858.
- Threading and inside-turning tool. J. G. Baker. No. 1,052,400; Feb. 4; Gaz. vol. 187; p. 189.
- Threading-die, Adjustable. C. A. Simmons. No. 1,056,843; Mar. 25; Gaz. vol. 188; p. 840.
- 3,4-dioxyphenyl-1-alkylendiamin-1,2 and making same. E. Grether. No. 1,051,577; Jan. 28; Gaz. vol. 186; p. 873.
- 3,4-dioxyphenylglyoxims and preparing same. E. Grether. No. 1,051,578; Jan. 28; Gaz. vol. 186; p. 873.
- Thresher. W. Mahoney. No. 1,059,743; Apr. 22; Gaz. vol. 189; p. 922.
- Thresher-cylinder. W. E. Leavell. No. 1,066,024; July 1; Gaz. vol. 192; p. 42.
- Thresher. Grain-. J. L. Thompson. No. 1,063,227; June 3; Gaz. vol. 191; p. 20.
- Threshers. Screen-leveling device for. D. B. Renfro. No. 1,058,016; Apr. 1; Gaz. vol. 189; p. 212.
- Threshing-cylinder. T. G. Leavell. (Reissue.) No. 1,359,997; July 22; Gaz. vol. 192; p. 959.
- Threshing cylinder and concave teeth. C. G. Callan. No. 1,052,037; Feb. 4; Gaz. vol. 187; p. 67.
- Threshing-machine. R. W. Crippen. No. 1,050,206; Jan. 14; Gaz. vol. 186; p. 334.
- Threshing-machine. F. A. Hohman. No. 1,050,540; Jan. 14; Gaz. vol. 186; p. 452.
- Threshing-machine. E. and J. Kyllonen. No. 1,053,407; Feb. 18; Gaz. vol. 187; p. 611.
- Threshing-machine. W. W. Brower. No. 1,054,170; Feb. 25; Gaz. vol. 187; p. 907.
- Threshing-machine. H. Maas. No. 1,058,024; Apr. 1; Gaz. vol. 189; p. 215.
- Threshing-machine. N. and G. Beam. No. 1,059,108; Apr. 15; Gaz. vol. 189; p. 673.
- Threshing-machine. W. W. Brower. No. 1,060,890; May 6; Gaz. vol. 190; p. 113.
- Threshing-machine. S. Kulesza. No. 1,063,701; June 3; Gaz. vol. 191; p. 186.
- Threshing-machine. A. M. Schesser. No. 1,063,834; June 3; Gaz. vol. 191; p. 229.
- Threshing-machine. G. E. M. G-B. de Salaberry. No. 1,075,416; Oct. 14; Gaz. vol. 195; p. 313.
- Threshing-machine. J. S. McCallum. No. 1,075,985; Oct. 14; Gaz. vol. 195; p. 508.
- Threshing-machine. S. G. George. No. 1,082,191; Dec. 23; Gaz. vol. 197; p. 870.
- Threshing-machine. C. Schurch. No. 1,082,913; Dec. 30; Gaz. vol. 197; p. 1156.
- Threshing-machine attachment. J. W. Grim. No. 1,053,985; Feb. 25; Gaz. vol. 187; p. 845.
- Threshing-machine attachment. F. W. Carpenter. No. 1,055,386; Mar. 11; Gaz. vol. 188; p. 283.
- Threshing-machine band-cutter and feeder attachment. G. A. Staub. No. 1,057,182; Mar. 25; Gaz. vol. 188; p. 958.
- Threshing-machine bundle-separator. L. K. Cryder. No. 1,049,810; Jan. 7; Gaz. vol. 186; p. 167.
- Threshing-machine cover. A. Boughton. No. 1,068,306; July 22; Gaz. vol. 192; p. 924.
- Threshing-machine feeder. J. Hovey. No. 1,061,478; May 13; Gaz. vol. 190; p. 349.
- Threshing-machine feeder attachment. F. W. Carpenter. No. 1,055,987; Mar. 11; Gaz. vol. 188; p. 484.
- Threshing-machine feeders. Lateral conveyer for. A. C. Van Houweling. No. 1,082,716; Dec. 30; Gaz. vol. 197; p. 1087.
- Threshing-machine-feeding mechanism. A. Wiegert. No. 1,056,138; Mar. 18; Gaz. vol. 188; p. 570.
- Threshing-machine-feeding mechanism. J. R. Ebersol. No. 1,059,848; Apr. 22; Gaz. vol. 189; p. 956.
- Threshing-machine grain-recleaner. A. C. Foster. No. 1,056,527; Mar. 18; Gaz. vol. 188; p. 704.
- Throat-braces. Securing. J. F. Gero. No. 1,080,686; Dec. 9; Gaz. vol. 197; p. 297.
- Throttling device. E. E. McCauley. No. 1,071,560; Aug. 26; Gaz. vol. 193; p. 943.
- Thrust-ring. C. S. Lockwood. No. 1,053,413; Feb. 18; Gaz. vol. 187; p. 613.
- Thumb-stall. R. N. Thomas. No. 1,074,757; Oct. 7; Gaz. vol. 195; p. 59.
- Ticket book, Railway-. R. J. Joyner. No. 1,069,618; Aug. 5; Gaz. vol. 193; p. 182.
- Ticket, Coupon strip-. F. A. Berry. No. 1,053,967; Feb. 25; Gaz. vol. 187; p. 839.
- Ticket-cutter. A. I. Blanchard. No. 1,055,511; Mar. 11; Gaz. vol. 188; p. 325.
- Ticket-deposit box. J. Anderson. No. 1,080,404; Dec. 2; Gaz. vol. 197; p. 172.
- Ticket-dispensing machine. F. Magidson. No. 1,072,631; Sept. 9; Gaz. vol. 194; p. 357.
- Ticket for street-cars and similar uses. L. P. Lipps. No. 1,072,627; Sept. 9; Gaz. vol. 194; p. 355.
- Ticket-holder. J. Collins. No. 1,051,198; Jan. 21; Gaz. vol. 186; p. 710.
- Ticket-holder. H. P. Ipsen. No. 1,052,344; Feb. 4; Gaz. vol. 187; p. 170.
- Ticket-holder. J. I. McKee. No. 1,059,187; Apr. 15; Gaz. vol. 189; p. 699.
- Ticket-holder. C. A. Bowles. No. 1,061,810; May 13; Gaz. vol. 190; p. 460.
- Ticket-holder. C. E. Long. No. 1,062,174; May 20; Gaz. vol. 190; p. 625.
- Ticket-holder. E. E. Marlatt. No. 1,065,616; June 24; Gaz. vol. 191; p. 935.
- Ticket-holder. M. J. Burke. No. 1,074,102; Sept. 30; Gaz. vol. 194; p. 958.
- Ticket-holder. B. N. Van Fleet. No. 1,076,470; Oct. 21; Gaz. vol. 195; p. 703.
- Ticket holder, Car-. J. H. Mardock. No. 1,065,543; June 24; Gaz. vol. 191; p. 911.
- Ticket-holder, Car-. A. Westensee. No. 1,075,132; Oct. 7; Gaz. vol. 195; p. 187.
- Ticket holder, Sales-. C. M. Russell. No. 1,069,728; Aug. 12; Gaz. vol. 193; p. 250.
- Ticket holder, Street-car-. A. McCulloch. No. 1,056,809; Mar. 25; Gaz. vol. 188; p. 829.
- Ticket-machine for conductors. G. L. Mundigler. No. 1,054,983; Mar. 4; Gaz. vol. 188; p. 112.
- Ticket, Marking-. M. A. Marsh and G. A. Wallin. No. 1,054,927; Mar. 4; Gaz. vol. 188; p. 93.
- Ticket, Pin-. D. Gross. No. 1,069,416; Aug. 5; Gaz. vol. 193; p. 116.
- Ticket, Pinless marking-. G. A. Wallin. No. 1,073,828; Sept. 23; Gaz. vol. 194; p. 836.
- Ticket-punching device. C. Martin. No. 1,063,562; June 3; Gaz. vol. 191; p. 133.
- Ticket, Railway-. C. H. Cosgrove. No. 1,061,821; May 13; Gaz. vol. 190; p. 464.
- Ticket, Transfer-. W. Klein, Jr. No. 1,082,342; Dec. 23; Gaz. vol. 197; p. 925.
- Tickets, Means of identifying railway-. P. F. Cutting. No. 1,076,750; Oct. 28; Gaz. vol. 195; p. 856.
- Ticketing machines. Stapling mechanism for pin-. F. Kohnle. No. 1,052,153; Feb. 4; Gaz. vol. 187; p. 107.
- Tide-lock power apparatus. J. J. Miller. No. 1,067,049; July 8; Gaz. vol. 192; p. 425.
- Tide-motor. P. Hale. No. 1,055,033; Mar. 4; Gaz. vol. 188; p. 130.
- Tide-motor. S. S. Deemer. No. 1,067,977; July 22; Gaz. vol. 192; p. 811.
- Tide-motor. P. Hale. No. 1,076,498; Oct. 21; Gaz. vol. 195; p. 713.
- Tie. See Bait-tie; Bale-tie; Bundle-tie; Cement tie; Concrete tie; Concrete railway-tie; Concrete railway cross-tie; Cross-tie; Metal tie; Metallic tie; Package-tie; Rail-tie; Railway-tie; Railway cross-tie; Railway metal tie; Railway metal cross-tie; Railway metallic tie; Railway-rail tie; Rope-tie; Scaffold-tie; Slab-block tie; Wall-tie; Wire tie; Woven tubular tie.
- Tie. G. W. Whiteman. No. 1,065,647; June 24; Gaz. vol. 191; p. 946.
- Tie. L. Kentana. No. 1,070,813; Aug. 19; Gaz. vol. 193; p. 662.
- Tie. W. L. Phelan. No. 1,082,470; Dec. 23; Gaz. vol. 197; p. 965.
- Tie and rail-fastener. A. Gabler. No. 1,055,896; Mar. 11; Gaz. vol. 188; p. 453.
- Tie and rail-fastener. W. R. Patterson. No. 1,057,264; Mar. 25; Gaz. vol. 188; p. 986.
- Tie and rail-fastener. C. T. Harms. No. 1,067,335; July 15; Gaz. vol. 192; p. 561.
- Tie and tie-plate support. C. W. and F. B. Ackermann. No. 1,078,980; Nov. 18; Gaz. vol. 196; p. 662.
- Tie and tie-plate support. C. W. and F. B. Ackermann. No. 1,082,252; Dec. 23; Gaz. vol. 197; p. 893.
- Tie-button lock. C. S. Porter. No. 1,064,536; June 10; Gaz. vol. 191; p. 502.
- Tie for binding sheaves or the like. R. W. Beckert. No. 1,079,098; Nov. 18; Gaz. vol. 196; p. 704.
- Tie-holder. G. W. Williams. No. 1,058,650; Apr. 8; Gaz. vol. 189; p. 474.
- Tie-holder. W. Radi. No. 1,080,849; Dec. 9; Gaz. vol. 197; p. 357.
- Tie holder and pressing device, Combined. J. R. Gibson. No. 1,069,543; Aug. 5; Gaz. vol. 193; p. 157.

Alphabetical list of inventions—Continued.

- Tie-holding device, Temporary. H. A. Witzig and J. A. Fremon. No. 1,056,078; Mar. 18; Gaz. vol. 188; p. 549.
- Tie-plate. P. W. Moore. No. 1,052,442; Feb. 4; Gaz. vol. 187; p. 205.
- Tie-plate. W. W. Willard. No. 1,053,336; Feb. 18; Gaz. vol. 187; p. 588.
- Tie-plate. A. L. Stanford. No. 1,056,716; Mar. 18; Gaz. vol. 188; p. 767.
- Tie-plate. M. S. Clarke. No. 1,059,439; Apr. 22; Gaz. vol. 189; p. 824.
- Tie-plate. R. E. Dragoo. No. 1,059,446; Apr. 22; Gaz. vol. 189; p. 826.
- Tie-plate. J. T. Markham. No. 1,060,775; May 6; Gaz. vol. 190; p. 72.
- Tie-plate. J. Lundie. No. 1,065,696; June 24; Gaz. vol. 191; p. 963.
- Tie-plate. J. J. Byers. No. 1,069,386; Aug. 5; Gaz. vol. 193; p. 105.
- Tie-plate. W. E. Miller. No. 1,070,623; Aug. 19; Gaz. vol. 193; p. 598.
- Tie-plate. E. L. Adreon, Jr. No. 1,073,011; Sept. 9; Gaz. vol. 194; p. 493.
- Tie-plate. E. L. Adreon, Jr. No. 1,073,078; Sept. 9; Gaz. vol. 194; p. 517.
- Tie-plate. W. L. De Remer. No. 1,075,312; Oct. 7; Gaz. vol. 195; p. 252.
- Tie-plate. D. L. Braine. No. 1,076,811; Oct. 28; Gaz. vol. 195; p. 878.
- Tie-plate. D. L. Braine. No. 1,076,812; Oct. 28; Gaz. vol. 195; p. 878.
- Tie-plate. D. L. Braine. No. 1,076,814; Oct. 28; Gaz. vol. 195; p. 879.
- Tie-plate, Adjustable. T. Maney. No. 1,067,124; July 8; Gaz. vol. 192; p. 451.
- Tie-plate and rail-anchor, Combined. W. H. Winsworth. No. 1,060,729; May 6; Gaz. vol. 190; p. 57.
- Tie-plate and rail-brace. W. A. Saul. No. 1,058,337; Apr. 8; Gaz. vol. 189; p. 369.
- Tie-plate and rail-clamp, Combination. J. B. Baum. No. 1,050,739; Jan. 21; Gaz. vol. 186; p. 568.
- Tie-plate and rail-fastener. M. Schroyer. No. 1,074,472; Sept. 30; Gaz. vol. 194; p. 1080.
- Tie-plate and rail-locking key. T. S. and J. O'Brien. No. 1,060,485; Apr. 29; Gaz. vol. 189; p. 1219.
- Tie-plate and rail-supporter. R. Abbott. No. 1,075,619; Oct. 14; Gaz. vol. 195; p. 383.
- Tie-plate and spike-retainer, Combined. C. W. Quin. No. 1,072,991; Sept. 9; Gaz. vol. 194; p. 487.
- Tie-plate and track-anchor, Combination. C. F. Clawson. No. 1,050,613; Jan. 14; Gaz. vol. 186; p. 477.
- Tie-plate flanges, Machine for slotting. T. V. Handloser and J. C. Dilworth. No. 1,052,415; Feb. 4; Gaz. vol. 187; p. 195.
- Tie-plate, rail-anchor, and rail-brace, Combination. F. M. Smith. No. 1,070,926; Aug. 19; Gaz. vol. 193; p. 697.
- Tie-plates, Clip for adjustable. T. Maney. No. 1,067,125; July 8; Gaz. vol. 192; p. 451.
- Tie-plates, Rolling. W. L. De Remer. No. 1,066,383; July 1; Gaz. vol. 192; p. 168.
- Tie-plug machine. H. G. Smart. (Reissue.) No. 13,579; June 17; Gaz. vol. 191; p. 802.
- Tie, Railway-. J. R. Dooley. No. 1,073,030; Sept. 9; Gaz. vol. 194; p. 500.
- Tie-slipping device. H. M. McCarrick. No. 1,056,039; Mar. 18; Gaz. vol. 188; p. 536.
- Tie-strap. J. Roop. No. 1,077,559; Nov. 4; Gaz. vol. 196; p. 111.
- Ties, Form-retainer for four-in-hand. S. S. Childs. No. 1,070,013; Aug. 12; Gaz. vol. 193; p. 348.
- Tightener. C. B. Nelson. No. 1,063,721; June 3; Gaz. vol. 191; p. 192.
- Tile. J. U. Barr. No. 1,050,420; Jan. 14; Gaz. vol. 186; p. 409.
- Tile. E. A. Euler. No. 1,063,865; June 3; Gaz. vol. 191; p. 237.
- Tile. D. Reyam and E. E. Du Pont. No. 1,070,375; Aug. 12; Gaz. vol. 193; p. 473.
- Tile. P. M. Stewart. No. 1,073,541; Sept. 16; Gaz. vol. 194; p. 713.
- Tile and plug fitting, Refractory. H. H. Nevanas. No. 1,080,715; Dec. 9; Gaz. vol. 197; p. 307.
- Tile construction. W. P. McDonald. No. 1,056,810; Mar. 25; Gaz. vol. 188; p. 829.
- Tile-cutting machine. K. Gnad. No. 1,067,421; July 15; Gaz. vol. 192; p. 590.
- Tile, Floor-. W. H. Grueby. No. 1,059,456; Apr. 22; Gaz. vol. 189; p. 829.
- Tile flooring. D. E. Kennedy. No. 1,054,424; Feb. 25; Gaz. vol. 187; p. 996.
- Tile flooring, Machine for making imitation-. W. F. Walling. No. 1,063,752; June 3; Gaz. vol. 191; p. 201.
- Tile-glazing machine. H. Stommel. No. 1,053,239; Feb. 18; Gaz. vol. 187; p. 552.
- Tile-grading machine. W. K. Achert. No. 1,066,239; July 1; Gaz. vol. 192; p. 120.
- Tile, Hollow. W. H. Burk. No. 1,062,077; May 20; Gaz. vol. 190; p. 592.
- Tile, Hollow metallic. J. H. Sherman. No. 1,066,229; July 1; Gaz. vol. 192; p. 116.
- Tile, Laying floor-. D. E. Kennedy. No. 1,054,423; Feb. 25; Gaz. vol. 187; p. 995.
- Tile-machine. M. E. Shaw. No. 1,074,139; Sept. 30; Gaz. vol. 194; p. 970.
- Tile-making machine, Cement-. E. B. Turner. No. 1,075,877; Oct. 14; Gaz. vol. 195; p. 470.
- Tile, Metallic. J. L. Scheu. No. 1,064,091; June 10; Gaz. vol. 191; p. 349.
- Tile, quarry, or brick. J. Kertes. No. 1,058,674; Apr. 8; Gaz. vol. 189; p. 483.
- Tile, Roofing-. J. Freund. No. 1,063,674; June 3; Gaz. vol. 191; p. 176.
- Tiles and bricks, Mold-box for setting. F. P. Nale. No. 1,053,635; Feb. 18; Gaz. vol. 187; p. 689.
- Tiles, bricks, and mosaics, Setting. F. P. Nale. No. 1,082,231; Dec. 23; Gaz. vol. 197; p. 885.
- Tiles, Machine for classifying. G. A. Stanbery. No. 1,078,883; Nov. 18; Gaz. vol. 196; p. 629.
- Tiles, Manufacturing reinforced. S. B. Myers. No. 1,063,579; June 3; Gaz. vol. 191; p. 139.
- Tiles or other similar articles, Machine for the manufacture of roof-. O. R. H. Zeitz. No. 1,063,234; June 3; Gaz. vol. 191; p. 23.
- Tiling-tool. O. M. Anderson. No. 1,062,945; May 27; Gaz. vol. 190; p. 923.
- Till. A. F. Staples. No. 1,052,854; Feb. 11; Gaz. vol. 187; p. 377.
- Tilling machine, Ground-. J. L. Holmes. No. 1,052,146; Feb. 4; Gaz. vol. 187; p. 104.
- Tilling the ground, Electrically-driven machine for. W. Wortmann. No. 1,050,085; Jan. 7; Gaz. vol. 186; p. 260.
- Tilling the soil, Machine for mechanically. C. Ciccolini. No. 1,076,745; Oct. 28; Gaz. vol. 195; p. 855.
- Tilting furnace for smelting pyrites and sulfur ores. E. Knudsen. No. 1,075,214; Oct. 7; Gaz. vol. 195; p. 216.
- Tilting gate. H. H. Roof. No. 1,062,928; May 27; Gaz. vol. 190; p. 917.
- Timber-hook. F. and A. Poole. No. 1,070,526; Aug. 19; Gaz. vol. 193; p. 566.
- Timber-packet. W. E. Coffin. No. 1,054,175; Feb. 25; Gaz. vol. 187; p. 910.
- Timber pocket and plate. W. E. Tripp. No. 1,074,823; Oct. 7; Gaz. vol. 195; p. 80.
- Timber, Preventing molding in shaped. F. M. Kennedy. No. 1,059,879; Apr. 22; Gaz. vol. 189; p. 966.
- Timber, Severing. H. Gantke. No. 1,050,768; Jan. 14; Gaz. vol. 186; p. 526.
- Time and speed indicating and recording means. H. Quartier. No. 1,061,121; May 6; Gaz. vol. 190; p. 193.
- Time-control apparatus. A. Pache. No. 1,076,055; Oct. 21; Gaz. vol. 195; p. 559.
- Time-controlled mechanism. A. C. Streitwolf. No. 1,065,984; July 1; Gaz. vol. 192; p. 29.
- Time-cost meter. J. T. Quigley. No. 1,080,165; Dec. 2; Gaz. vol. 197; p. 86.
- Time-keeping device. C. C. Harris. No. 1,067,025; July 8; Gaz. vol. 192; p. 416.
- Time-lock for cash-receptacles. W. Schack. No. 1,064,860; June 17; Gaz. vol. 191; p. 646.
- Time-recorder. F. T. Riley. No. 1,055,798; Mar. 11; Gaz. vol. 188; p. 421.
- Time-recorder. A. Rydquist. No. 1,067,442; July 15; Gaz. vol. 192; p. 597.
- Time-recorder. J. Sokolov. No. 1,074,069; Sept. 23; Gaz. vol. 194; p. 917.
- Time-recorder. J. W. Bryce. No. 1,075,543; Oct. 14; Gaz. vol. 195; p. 357.
- Time-recorder. J. W. Bryce. No. 1,075,544; Oct. 14; Gaz. vol. 195; p. 357.
- Time-recorder. J. W. Bryce. No. 1,075,627; Oct. 14; Gaz. vol. 195; p. 386.
- Time-recorder. C. E. Tomlinson. No. 1,078,012; Nov. 11; Gaz. vol. 196; p. 296.
- Time-recorder. H. W. Brown. No. 1,078,124; Nov. 11; Gaz. vol. 196; p. 334.
- Time-recorder. W. H. Bundy. No. 1,082,008; Dec. 23; Gaz. vol. 197; p. 809.
- Time recorder and indicator. H. T. Goss and J. W. Bryce. No. 1,061,607; May 13; Gaz. vol. 190; p. 395.
- Time recorder, Elapsed-. C. H. Johnson. No. 1,059,468; Apr. 22; Gaz. vol. 189; p. 833.
- Time recorder, Elapsed-. J. W. Bryce. No. 1,069,384; Aug. 5; Gaz. vol. 193; p. 104.
- Time-recorder with printing mechanism and displaceable inking-ribbon, Workman's. R. Bürk. No. 1,066,182; July 1; Gaz. vol. 192; p. 99.
- Time-recorder, Workman's. W. S. Fogg. No. 1,064,308; June 10; Gaz. vol. 191; p. 424.
- Time-recorder, Workman's. F. J. Tran and F. Cais. No. 1,074,822; Oct. 7; Gaz. vol. 195; p. 80.
- Time-recorders, Card-elevating mechanism for. C. M. Crook. No. 1,064,054; June 10; Gaz. vol. 191; p. 337.
- Time-recorders, Card-holder for. C. E. Tomlinson. No. 1,069,303; Aug. 5; Gaz. vol. 193; p. 75.
- Time-recording and valve-controlling mechanism, Combined. J. F. Ross. No. 1,073,172; Sept. 16; Gaz. vol. 194; p. 586.
- Time-recording machine. C. E. Tomlinson. No. 1,078,011; Nov. 11; Gaz. vol. 196; p. 295.
- Time-recording mechanism. C. E. Johnson. No. 1,080,697; Dec. 9; Gaz. vol. 197; p. 301.

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- Time-recording register. H. B. McCabe. No. 1,063,272; June 3; Gaz. vol. 191; p. 35.
- Time-register. L. H. Friedman. No. 1,076,668; Oct. 28; Gaz. vol. 195; p. 827.
- Time-switch. J. M. Chappel. No. 1,052,408; Feb. 4; Gaz. vol. 187; p. 192.
- Time-switch. S. I. Phelps. No. 1,073,707; Sept. 23; Gaz. vol. 194; p. 797.
- Time-switch. W. E. Porter. No. 1,081,402; Dec. 16; Gaz. vol. 197; p. 578.
- Time-switch, Automatic. A. B. Eggler. No. 1,058,664; Apr. 8; Gaz. vol. 189; p. 479.
- Time-switch, Electric. G. E. Morden and J. L. Chapman. No. 1,079,791; Nov. 25; Gaz. vol. 196; p. 975.
- Timepiece indicating mechanism. O. E. Giset. No. 1,061,171; May 6; Gaz. vol. 190; p. 208.
- Timer. A. R. Mosler. No. 1,052,743; Feb. 11; Gaz. vol. 187; p. 337.
- Timer. W. F. Minor. No. 1,072,973; Sept. 9; Gaz. vol. 194; p. 480.
- Timer and distributing device. J. M. Smith. No. 1,080,788; Dec. 9; Gaz. vol. 197; p. 334.
- Timing device. C. R. Moore. No. 1,078,058; Nov. 11; Gaz. vol. 196; p. 312.
- Timing device, Automatic. C. H. Warner. No. 1,053,685; Feb. 18; Gaz. vol. 187; p. 707.
- Tin can. J. W. Nichols. No. 1,077,742; Nov. 4; Gaz. vol. 196; p. 172.
- Tin from base bullion, Extracting. B. C. Besley. No. 1,060,527; Apr. 29; Gaz. vol. 189; p. 1233.
- Tin-opener. M. Hesselbein. No. 1,067,654; July 15; Gaz. vol. 192; p. 669.
- Tinned sheet-iron boxes, &c., for detinning, Preparing. H. Goldschmidt. No. 1,053,908; Feb. 18; Gaz. vol. 187; p. 781.
- Tinner's seam-beating device. F. Jones. No. 1,061,848; May 13; Gaz. vol. 190; p. 472.
- Tinner's tool. T. L. Conroy. No. 1,065,223; June 17; Gaz. vol. 191; p. 763.
- Tinning and leading metals. F. Plathner and V. Dorn. No. 1,060,938; May 6; Gaz. vol. 190; p. 130.
- Tinning apparatus, Automatic feeding mechanism for. R. S. Schrumn. No. 1,064,780; June 17; Gaz. vol. 191; p. 621.
- Tinning-machines, Feeding mechanism for. R. S. Schrumn. No. 1,064,781; June 17; Gaz. vol. 191; p. 621.
- Tinning metal vessels internally. F. Van der Velden. No. 1,072,372; Sept. 2; Gaz. vol. 194; p. 238.
- Tip-cup. F. L. Fithian. No. 1,053,021; Feb. 11; Gaz. vol. 187; p. 433.
- Tipple. G. F. Lyman. No. 1,070,149; Aug. 12; Gaz. vol. 193; p. 395.
- Tipple. J. L. Smith. No. 1,070,299; Aug. 12; Gaz. vol. 193; p. 447.
- Tire. B. Walter. No. 1,050,581; Jan. 14; Gaz. vol. 186; p. 466.
- Tire. F. W. Karches. No. 1,051,117; Jan. 21; Gaz. vol. 186; p. 684.
- Tire. G. A. Stewart and H. E. Goodell. No. 1,053,238; Feb. 18; Gaz. vol. 187; p. 552.
- Tire. M. L. Keagy. No. 1,055,472; Mar. 11; Gaz. vol. 188; p. 312.
- Tire. H. C. Tripp. No. 1,055,573; Mar. 11; Gaz. vol. 188; p. 344.
- Tire. B. H. Divine. No. 1,056,977; Mar. 25; Gaz. vol. 188; p. 887.
- Tire. J. H. Messenger. No. 1,057,164; Mar. 25; Gaz. vol. 188; p. 952.
- Tire. J. R. Gammeter. No. 1,057,232; Mar. 25; Gaz. vol. 188; p. 976.
- Tire. E. C. Rhodes. No. 1,057,580; Apr. 1; Gaz. vol. 189; p. 62.
- Tire. M. Dawson. No. 1,059,843; Apr. 22; Gaz. vol. 189; p. 955.
- Tire. A. W. Livingston. No. 1,060,195; Apr. 29; Gaz. vol. 189; p. 1116.
- Tire. W. T. Smith and C. C. Royer. No. 1,061,204; May 6; Gaz. vol. 190; p. 221.
- Tire. W. A. Binion. No. 1,061,807; May 13; Gaz. vol. 190; p. 460.
- Tire. S. Scognamillo. No. 1,061,927; May 13; Gaz. vol. 190; p. 499.
- Tire. H. C. Seipp. No. 1,063,221; June 3; Gaz. vol. 191; p. 18.
- Tire. V. Lindholm. No. 1,063,888; June 3; Gaz. vol. 191; p. 245.
- Tire. W. G. Chipley. No. 1,064,611; June 10; Gaz. vol. 191; p. 527.
- Tire. F. W. Redding. No. 1,065,907; June 24; Gaz. vol. 191; p. 1035.
- Tire. W. T. Smith. No. 1,065,978; July 1; Gaz. vol. 192; p. 27.
- Tire. I. Broome. No. 1,066,791; July 8; Gaz. vol. 192; p. 339.
- Tire. L. Smido. No. 1,067,768; July 15; Gaz. vol. 192; p. 707.
- Tire. R. M. P. Thorp. No. 1,068,025; July 22; Gaz. vol. 192; p. 827.
- Tire. C. H. Lappe. No. 1,070,044; Aug. 12; Gaz. vol. 193; p. 358.
- Tire. W. C. Kroegher. No. 1,071,438; Aug. 26; Gaz. vol. 193; p. 903.
- Tire. C. M. Griffin. No. 1,072,382; Sept. 2; Gaz. vol. 194; p. 241.
- Tire. O. Dimmitt. No. 1,072,925; Sept. 9; Gaz. vol. 194; p. 463.
- Tire. E. J. Shaut and W. A. Dunham. No. 1,076,916; Oct. 28; Gaz. vol. 195; p. 915.
- Tire. G. Anger. No. 1,077,504; Nov. 4; Gaz. vol. 196; p. 94.
- Tire. W. Maginnis. No. 1,077,618; Nov. 4; Gaz. vol. 196; p. 130.
- Tire. J. J. Fields. No. 1,079,755; Nov. 25; Gaz. vol. 196; p. 962.
- Tire. J. J. Patton. No. 1,080,295; Dec. 2; Gaz. vol. 197; p. 132.
- Tire. W. G. Chipley. No. 1,080,416; Dec. 2; Gaz. vol. 197; p. 176.
- Tire. W. L. Ross and A. Leiffer. No. 1,083,143; Dec. 30; Gaz. vol. 197; p. 1230.
- Tire, Airless and punctureless automobile. C. E. Miller. No. 1,065,741; June 17; Gaz. vol. 191; p. 744.
- Tire-alarm. H. E. Knies. No. 1,061,184; May 6; Gaz. vol. 190; p. 213.
- Tire-alarm. J. B. Polo. No. 1,061,200; May 6; Gaz. vol. 190; p. 219.
- Tire alarm, Pneumatic. J. B. Polo. No. 1,078,061; Nov. 11; Gaz. vol. 196; p. 313.
- Tire and armor therefor, Pneumatic. J. A. Posey. No. 1,059,207; Apr. 15; Gaz. vol. 189; p. 707.
- Tire and rim, Wheel. J. B. Crawford. No. 1,081,812; Dec. 16; Gaz. vol. 197; p. 714.
- Tire, Antiskid. F. W. Kremer. No. 1,078,098; Nov. 11; Gaz. vol. 196; p. 326.
- Tire antiskidding attachment. W. E. Budd. No. 1,080,259; Dec. 2; Gaz. vol. 197; p. 120.
- Tire, Antiskidding vehicle wheel. M. A. and T. M. Dees. No. 1,067,507; July 15; Gaz. vol. 192; p. 619.
- Tire-armor. A. Turnbull. No. 1,055,372; Mar. 11; Gaz. vol. 188; p. 279.
- Tire-armor. J. J. Bukolt. No. 1,061,523; May 13; Gaz. vol. 190; p. 365.
- Tire-armor. J. J. Bukolt. No. 1,061,524; May 13; Gaz. vol. 190; p. 366.
- Tire-armor. S. F. Wilcox. No. 1,062,070; May 20; Gaz. vol. 190; p. 589.
- Tire-armor. G. E. Hinson. No. 1,071,741; Sept. 2; Gaz. vol. 194; p. 25.
- Tire-armor, Antiskidding. D. Fasold. No. 1,050,727; Jan. 14; Gaz. vol. 186; p. 512.
- Tire, Armored. A. G. Wagner. No. 1,067,563; July 15; Gaz. vol. 192; p. 637.
- Tire, Armored pneumatic. W. R. Morrison. No. 1,061,313; May 13; Gaz. vol. 190; p. 293.
- Tire, Armored pneumatic. J. T. Ryan. No. 1,063,291; June 3; Gaz. vol. 191; p. 42.
- Tire attachment. R. L. Morgan. No. 1,054,980; Mar. 4; Gaz. vol. 188; p. 111.
- Tire, Automobile. J. R. Ruppert and E. Siegel. No. 1,057,672; Apr. 1; Gaz. vol. 189; p. 95.
- Tire, Automobile. W. F. Haas. No. 1,063,196; June 3; Gaz. vol. 191; p. 10.
- Tire, Automobile. J. A. Bethea. No. 1,066,368; July 1; Gaz. vol. 192; p. 163.
- Tire, Automobile. H. P. Fouqué. No. 1,067,726; July 15; Gaz. vol. 192; p. 693.
- Tire, Automobile. C. Krikava. No. 1,076,127; Oct. 21; Gaz. vol. 195; p. 584.
- Tire, Automobile. A. B. Hollenbeck. No. 1,077,407; Nov. 4; Gaz. vol. 196; p. 59.
- Tire, Automobile. E. A. Howe. No. 1,079,175; Nov. 18; Gaz. vol. 196; p. 731.
- Tire, Automobile. A. H. Fisher. No. 1,080,818; Dec. 9; Gaz. vol. 197; p. 347.
- Tire, Automobile. E. N. Breitung. No. 1,081,010; Dec. 9; Gaz. vol. 197; p. 409.
- Tire, Automobile and vehicle. S. A. Harrison. No. 1,057,734; Apr. 1; Gaz. vol. 189; p. 115.
- Tire, Automobile wheel. C. A. Spittall. No. 1,070,551; Aug. 19; Gaz. vol. 193; p. 575.
- Tire-bolting machine. M. T. Long. No. 1,078,052; Nov. 11; Gaz. vol. 196; p. 310.
- Tire-bolting machine. G. W. Bonham. No. 1,078,084; Nov. 11; Gaz. vol. 196; p. 320.
- Tire-casing fabric. H. J. Doughty. No. 1,077,125; Oct. 28; Gaz. vol. 195; p. 984.
- Tire-casing, Forming a. H. J. Doughty. No. 1,077,127; Oct. 28; Gaz. vol. 195; p. 984.
- Tire casing, Pneumatic. N. W. McLeod. No. 1,055,774; Mar. 11; Gaz. vol. 188; p. 413.
- Tire-chain. D. J. Martin. No. 1,059,182; Apr. 15; Gaz. vol. 189; p. 698.
- Tire-chain. D. J. Martin. No. 1,059,183; Apr. 15; Gaz. vol. 189; p. 698.
- Tire-chain. F. P. Larson. No. 1,069,885; Aug. 12; Gaz. vol. 193; p. 304.
- Tire-chain. J. Weaver. No. 1,080,394; Dec. 2; Gaz. vol. 197; p. 169.

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- Tire-chains, Temporary connecting and applying device for automobile. J. A. Staples. No. 1,072,522; Sept. 9; Gaz. vol. 194; p. 319.
- Tire-clamping device. C. Helreigel. No. 1,059,870; Apr. 22; Gaz. vol. 189; p. 963.
- Tire compound, Antileak. M. F. Fetty. No. 1,065,038; June 17; Gaz. vol. 191; p. 703.
- Tire-cooler. C. B. Swift. No. 1,069,300; Aug. 5; Gaz. vol. 193; p. 74.
- Tire-cooling device, Pneumatic. A. B. Craig. No. 1,049,677; Jan. 7; Gaz. vol. 186; p. 122.
- Tire-cooling device, Pneumatic. A. B. Craig. No. 1,049,678; Jan. 7; Gaz. vol. 186; p. 123.
- Tire cover, Pneumatic. J. T. Johnson and F. G. Mason. No. 1,062,401; May 20; Gaz. vol. 190; p. 701.
- Tire, Cushion-. A. M. Smith. No. 1,050,861; Jan. 21; Gaz. vol. 186; p. 595.
- Tire, Cushion-. D. J. Thayer. No. 1,051,465; Jan. 28; Gaz. vol. 186; p. 834.
- Tire, Cushion-. H. G. Dalton. No. 1,058,559; Apr. 8; Gaz. vol. 189; p. 444.
- Tire, Cushion-. M. J. Selzer. No. 1,064,097; June 10; Gaz. vol. 191; p. 352.
- Tire, Cushion-. C. M. Culp. No. 1,076,024; Oct. 21; Gaz. vol. 195; p. 549.
- Tire, Cushion-. C. E. Bright. No. 1,081,425; Dec. 16; Gaz. vol. 197; p. 585.
- Tire, Cushion-. J. A. Mollitor. No. 1,081,765; Dec. 16; Gaz. vol. 197; p. 698.
- Tire, Cushion-. N. K. Parrish. No. 1,082,647; Dec. 30; Gaz. vol. 197; p. 1061.
- Tire-cushioning device. J. E. Strong. No. 1,081,005; Dec. 9; Gaz. vol. 197; p. 408.
- Tire-deflating cap. J. H. Hard. No. 1,076,981; Oct. 28; Gaz. vol. 195; p. 938.
- Tire-deflating tool. M. L. Connor. No. 1,058,557; Apr. 8; Gaz. vol. 189; p. 444.
- Tire-deflation indicator. H. Jacoby. No. 1,062,567; May 20; Gaz. vol. 190; p. 755.
- Tire, Elastic vehicle-. M. D. Rucker. No. 1,070,183; Aug. 12; Gaz. vol. 193; p. 407.
- Tire, Emergency-. F. W. Kremer. No. 1,057,746; Apr. 1; Gaz. vol. 189; p. 120.
- Tire, Emergency automobile-. F. L. Bigsby. No. 1,057,388; Mar. 25; Gaz. vol. 188; p. 1025.
- Tire, Emergency automobile-. L. M. Tichenor. No. 1,076,719; Oct. 28; Gaz. vol. 195; p. 845.
- Tire fabric, Friction-calender for. H. J. Doughty. No. 1,077,126; Oct. 28; Gaz. vol. 195; p. 984.
- Tire-fastener. E. G. Watrous. No. 1,051,975; Feb. 4; Gaz. vol. 187; p. 44.
- Tire-fastener. L. G. Fleming. No. 1,061,905; May 13; Gaz. vol. 190; p. 490.
- Tire-fastening device. J. J. Kelly. No. 1,065,139; June 17; Gaz. vol. 191; p. 736.
- Tire-filler. D. L. Clark. No. 1,083,188; Dec. 30; Gaz. vol. 197; p. 1241.
- Tire-filling machine. E. Oliver. No. 1,057,451; Apr. 1; Gaz. vol. 189; p. 19.
- Tire for automobiles and other vehicles. B. Turgeon. No. 1,071,191; Aug. 26; Gaz. vol. 193; p. 820.
- Tire for automobiles, Elastic. C. W. Barrett. No. 1,066,784; July 8; Gaz. vol. 192; p. 338.
- Tire for automobiles, Emergency-. S. Davidson. No. 1,052,801; Feb. 11; Gaz. vol. 187; p. 359.
- Tire for automobiles, Emergency-. S. Davidson. No. 1,070,670; Aug. 19; Gaz. vol. 193; p. 614.
- Tire for the wheels of road-vehicles. A. W. Torkington. No. 1,072,793; Sept. 9; Gaz. vol. 194; p. 414.
- Tire for trucks, Resilient. D. H. Deery. No. 1,077,683; Nov. 4; Gaz. vol. 196; p. 152.
- Tire for vehicle-wheels, Cushion-. D. C. Munger. No. 1,070,715; Aug. 19; Gaz. vol. 193; p. 629.
- Tire for vehicle-wheels, Cushion-. A. Casazza. No. 1,083,000; Dec. 30; Gaz. vol. 197; p. 1184.
- Tire for vehicle-wheels, Elastic. H. P. Haas. No. 1,071,229; Aug. 26; Gaz. vol. 193; p. 834.
- Tire for vehicle-wheels, Pneumatic. J. Steinberg. No. 1,067,558; July 15; Gaz. vol. 192; p. 636.
- Tire for vehicle-wheels, Resilient. W. S. Brooks. No. 1,058,030; Apr. 8; Gaz. vol. 189; p. 260.
- Tire for vehicle-wheels, Spring-. S. J. Casey. No. 1,053,707; Feb. 18; Gaz. vol. 187; p. 716.
- Tire for vehicle-wheels, Spring-. C. H. Vidal. No. 1,080,129; Dec. 2; Gaz. vol. 197; p. 74.
- Tire for vehicles, Cushion-. J. Seadler. No. 1,081,518; Dec. 16; Gaz. vol. 197; p. 618.
- Tire for vehicles, Resilient. J. T. Clark. No. 1,059,437; Apr. 22; Gaz. vol. 189; p. 823.
- Tire for wheels, Resilient. E. L. A. Olivier. No. 1,054,444; Feb. 25; Gaz. vol. 187; p. 1002.
- Tire for wheels, Resilient. M. G. C. Dodwell. No. 1,054,516; Feb. 25; Gaz. vol. 187; p. 1026.
- Tire-gage. J. F. Waters. No. 1,079,965; Dec. 2; Gaz. vol. 197; p. 15.
- Tire-guard. A. W. Crain. No. 1,067,239; July 15; Gaz. vol. 192; p. 527.
- Tire-heater. A. E. Stachel. No. 1,082,367; Dec. 23; Gaz. vol. 197; p. 934.
- Tire-heater. J. Gogel. No. 1,082,515; Dec. 30; Gaz. vol. 197; p. 1014.
- Tire, Heavy-car. F. W. Kremer. No. 1,082,029; Dec. 23; Gaz. vol. 197; p. 817.
- Tire-holder. H. Buermann. No. 1,054,171; Feb. 25; Gaz. vol. 187; p. 908.
- Tire-holding ring, Quickly-detachable. W. N. Booth. No. 1,049,442; Jan. 7; Gaz. vol. 186; p. 42.
- Tire-inflating mechanism. E. J. Watson and R. F. Downey. No. 1,082,983; Dec. 30; Gaz. vol. 197; p. 1179.
- Tire-inflating mechanism, Automobile. L. L. Brooks. No. 1,072,907; Sept. 9; Gaz. vol. 194; p. 456.
- Tire-inflation means. L. Burgraff, Jr. No. 1,054,504; Feb. 25; Gaz. vol. 187; p. 1023.
- Tire, Inner. J. A. Thomson. No. 1,082,660; Dec. 30; Gaz. vol. 197; p. 1066.
- Tire-making machine. T. J. Whalen. No. 1,064,035; June 10; Gaz. vol. 191; p. 330.
- Tire, Metallic vehicle-. C. Quintus. No. 1,078,876; Nov. 18; Gaz. vol. 196; p. 627.
- Tire or tread therefor. W. R. Morrison. No. 1,063,578; June 3; Gaz. vol. 191; p. 139.
- Tire or tube for wheeled vehicles. O. T. Bugg. No. 1,073,329; Sept. 16; Gaz. vol. 194; p. 642.
- Tire of wheels of vehicles or the like. J. Cairns. No. 1,063,117; May 27; Gaz. vol. 190; p. 979.
- Tire-patching device. G. J. Martel. No. 1,057,439; Apr. 1; Gaz. vol. 189; p. 16.
- Tire-patching device. G. J. Martel. No. 1,057,440; Apr. 1; Gaz. vol. 189; p. 16.
- Tire-patching device. G. J. Martel. No. 1,061,391; May 13; Gaz. vol. 190; p. 318.
- Tire-patching tool. W. O. Shaw. No. 1,063,838; June 3; Gaz. vol. 191; p. 230.
- Tire-plug. D. P. Harris. No. 1,064,643; June 10; Gaz. vol. 191; p. 538.
- Tire, Pneumatic. G. Kavanagh. No. 1,051,738; Jan. 28; Gaz. vol. 186; p. 925.
- Tire, Pneumatic. G. A. Shaw. No. 1,057,676; Apr. 1; Gaz. vol. 189; p. 96.
- Tire, Pneumatic. F. B. Huckstep. No. 1,058,433; Apr. 8; Gaz. vol. 189; p. 403.
- Tire, Pneumatic. J. F. Castéran. No. 1,059,344; Apr. 22; Gaz. vol. 189; p. 789.
- Tire, Pneumatic. A. H. Morton. No. 1,062,024; May 20; Gaz. vol. 190; p. 574.
- Tire, Pneumatic. E. Stanley. No. 1,064,391; June 10; Gaz. vol. 191; p. 453.
- Tire, Pneumatic. G. A. Shaw. No. 1,065,849; June 24; Gaz. vol. 191; p. 1014.
- Tire, Pneumatic. R. J. Wynn. No. 1,068,619; July 29; Gaz. vol. 192; p. 1071.
- Tire, Pneumatic. R. and R. Ehle. No. 1,069,239; Aug. 5; Gaz. vol. 193; p. 55.
- Tire, Pneumatic. E. W. Wittenberg. No. 1,069,365; Aug. 5; Gaz. vol. 193; p. 97.
- Tire, Pneumatic. F. C. Feiker. No. 1,075,345; Oct. 14; Gaz. vol. 195; p. 287.
- Tire, Pneumatic. R. Rondeau. No. 1,079,515; Nov. 25; Gaz. vol. 196; p. 876.
- Tire, Pneumatic. J. J. Luck. No. 1,081,846; Dec. 16; Gaz. vol. 197; p. 727.
- Tire-preserving compound. S. R. Ball. No. 1,079,929; Dec. 2; Gaz. vol. 197; p. 3.
- Tire-pressure indicator and signal, Combined. C. C. Cleveland. No. 1,071,880; Sept. 2; Gaz. vol. 194; p. 73.
- Tire protective casing. W. R. Green. No. 1,068,892; July 29; Gaz. vol. 192; p. 1167.
- Tire-protector. S. W. Funk. No. 1,050,636; Jan. 14; Gaz. vol. 186; p. 483.
- Tire-protector. M. D. Besse. No. 1,058,029; Apr. 8; Gaz. vol. 189; p. 260.
- Tire-protector. G. Bellemare. No. 1,062,631; May 27; Gaz. vol. 190; p. 819.
- Tire-protector. J. T. Ryan. No. 1,063,290; June 3; Gaz. vol. 191; p. 41.
- Tire-protector. C. A. Smith. No. 1,064,100; June 10; Gaz. vol. 191; p. 353.
- Tire-protector. T. Y. Stewart. No. 1,066,861; July 8; Gaz. vol. 192; p. 362.
- Tire-protector. S. S. and D. A. Huffman. No. 1,070,475; Aug. 19; Gaz. vol. 193; p. 548.
- Tire-protector. J. Brotschneider. No. 1,071,695; Sept. 2; Gaz. vol. 194; p. 8.
- Tire-protector. S. S. and D. A. Huffman. No. 1,072,464; Sept. 9; Gaz. vol. 194; p. 300.
- Tire-protector. R. V. Hastings. No. 1,073,118; Sept. 16; Gaz. vol. 194; p. 566.
- Tire-protector. R. V. Hastings. No. 1,077,275; Nov. 4; Gaz. vol. 196; p. 11.
- Tire-protector. V. K. Sturges. No. 1,077,440; Nov. 4; Gaz. vol. 196; p. 71.
- Tire-protector, Auto. A. S. Standish. No. 1,079,273; Nov. 18; Gaz. vol. 196; p. 762.
- Tire-protector, Automobile. F. Persic. No. 1,081,694; Dec. 16; Gaz. vol. 197; p. 673.
- Tire-protector for automobile and other wheels. F. Kilcher. No. 1,051,813; Jan. 28; Gaz. vol. 186; p. 949.

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- Tire protector, Pneumatic. C. B. Woodworth. No. 1,052,873; Feb. 11; Gaz. vol. 187; p. 383.
- Tire, Puncture-proof. C. De Hibbs. No. 1,057,946; Apr. 1; Gaz. vol. 189; p. 187.
- Tire, Punctureless spring-. D. W. Martin. No. 1,069,452; Aug. 5; Gaz. vol. 193; p. 128.
- Tire, Punctureless vehicle-. P. H. Calmus. No. 1,059,115; Apr. 15; Gaz. vol. 189; p. 676.
- Tire-rack. B. L. Waters. No. 1,075,801; Oct. 14; Gaz. vol. 195; p. 444.
- Tire-repairing apparatus. W. A. Hinds. No. 1,068,653; July 29; Gaz. vol. 192; p. 1082.
- Tire, Resilient. P. F. Wobst. No. 1,051,939; Feb. 4; Gaz. vol. 187; p. 32.
- Tire, Resilient. R. L. Jenkins. No. 1,053,821; Feb. 18; Gaz. vol. 187; p. 752.
- Tire, Resilient. A. W. Washburn and C. D. Keeler. No. 1,057,514; Apr. 1; Gaz. vol. 189; p. 41.
- Tire, Resilient. J. H. Cebolt. No. 1,058,151; Apr. 8; Gaz. vol. 189; p. 304.
- Tire, Resilient. M. C. Rogers. No. 1,064,381; June 10; Gaz. vol. 191; p. 448.
- Tire, Resilient. W. E. Budd. No. 1,067,639; July 15; Gaz. vol. 192; p. 664.
- Tire, Resilient. H. McCleary. No. 1,067,668; July 15; Gaz. vol. 192; p. 674.
- Tire, Resilient. W. S. Temple. No. 1,067,949; July 22; Gaz. vol. 192; p. 801.
- Tire, Resilient. F. Reed. No. 1,072,260; Sept. 2; Gaz. vol. 194; p. 199.
- Tire, Resilient. D. A. York. No. 1,077,782; Nov. 4; Gaz. vol. 196; p. 186.
- Tire, Resilient. C. F. Strohm. No. 1,082,453; Dec. 23; Gaz. vol. 197; p. 960.
- Tire, Resilient. R. Curry. No. 1,083,059; Dec. 30; Gaz. vol. 197; p. 1203.
- Tire, Resilient vehicle-. J. T. Clark. No. 1,072,699; Sept. 9; Gaz. vol. 194; p. 381.
- Tire, Resilient vehicle-. J. T. Clark. No. 1,072,700; Sept. 9; Gaz. vol. 194; p. 381.
- Tire-retainer. F. M. Carhart and A. Van de Water. No. 1,052,129; Feb. 4; Gaz. vol. 187; p. 99.
- Tire-rim, Demountable. B. C. Ball and L. E. Younie. No. 1,069,313; Aug. 5; Gaz. vol. 193; p. 78.
- Tire-rim for vehicle-wheels, Demountable. M. H. Collom. No. 1,071,206; Aug. 26; Gaz. vol. 193; p. 825.
- Tire-rim tool. A. L. McMurtry. No. 1,058,619; Apr. 8; Gaz. vol. 189; p. 464.
- Tire, Sand-. G. F. Thompson. No. 1,074,391; Sept. 30; Gaz. vol. 194; p. 1053.
- Tire-saver. L. Willour. No. 1,071,378; Aug. 26; Gaz. vol. 193; p. 884.
- Tire, Sectional pneumatic. M. P. Prince and C. M. Bernheimer. No. 1,054,312; Feb. 25; Gaz. vol. 187; p. 955.
- Tire, Sectional solid. J. C. Cole. No. 1,068,040; July 22; Gaz. vol. 192; p. 833.
- Tire-setter bridge-plate. W. F. Rose. No. 1,058,791; Apr. 15; Gaz. vol. 189; p. 561.
- Tire shield, Pneumatic. J. E. Fawcett. No. 1,077,267; Nov. 4; Gaz. vol. 196; p. 9.
- Tire-shoe. A. S. Bullock. No. 1,076,345; Oct. 21; Gaz. vol. 195; p. 660.
- Tire-shoe-making machine. C. A. Edmonds. No. 1,080,683; Dec. 9; Gaz. vol. 197; p. 296.
- Tire shoe, Open-bellied pneumatic. C. S. Scott. No. 1,067,844; July 22; Gaz. vol. 192; p. 766.
- Tire-shoe-releasing tool. P. T. Mahon. No. 1,066,210; July 1; Gaz. vol. 192; p. 109.
- Tire shoes, Machine for preparing cores for reuse in manufacturing pneumatic. F. L. Killian. No. 1,053,404; Feb. 18; Gaz. vol. 187; p. 611.
- Tire-shrinker. I. I. Scott. No. 1,079,803; Nov. 25; Gaz. vol. 196; p. 979.
- Tire-shrinking machine. S. N. House. No. 1,060,339; Apr. 29; Gaz. vol. 189; p. 1168.
- Tire, Side-wire. H. S. Firestone. No. 1,058,358; Apr. 8; Gaz. vol. 189; p. 376.
- Tire, Spring-. W. E. Baker. No. 1,052,122; Feb. 4; Gaz. vol. 187; p. 97.
- Tire, Spring-. A. Jenness. No. 1,058,593; Apr. 8; Gaz. vol. 189; p. 455.
- Tire, Spring-. P. C. Fox. No. 1,065,795; June 24; Gaz. vol. 191; p. 996.
- Tire, Spring-. E. H. Layman. No. 1,067,353; July 15; Gaz. vol. 192; p. 567.
- Tire, Spring-. C. A. Wheaton. No. 1,068,720; July 29; Gaz. vol. 192; p. 1106.
- Tire, Spring-. H. M. Frank. No. 1,069,778; Aug. 12; Gaz. vol. 193; p. 267.
- Tire, Steel-spring automobile-. O. G. Rugtvet. No. 1,068,532; July 29; Gaz. vol. 192; p. 1039.
- Tire-support. A. Harnishfeger. No. 1,062,462; May 20; Gaz. vol. 190; p. 721.
- Tire-support. L. E. Cadwell. No. 1,072,909; Sept. 9; Gaz. vol. 194; p. 457.
- Tire-testing machine. K. W. Sonntag. No. 1,068,180; July 23; Gaz. vol. 192; p. 879.
- Tire-tightener. W. R. Bagwell. No. 1,051,187; Jan. 21; Gaz. vol. 186; p. 707.
- Tire-tightener. J. Alcorn. No. 1,053,142; Feb. 18; Gaz. vol. 187; p. 521.
- Tire-tool. C. S. Edwards. No. 1,059,128; Apr. 15; Gaz. vol. 189; p. 680.
- Tire-tool. G. Schaefer. No. 1,061,015; May 6; Gaz. vol. 190; p. 158.
- Tire-tread. F. M. Bawden. No. 1,050,790; Jan. 21; Gaz. vol. 186; p. 568.
- Tire-tread. J. F. Le Baron. No. 1,078,153; Nov. 11; Gaz. vol. 196; p. 344.
- Tire-tread. D. Marshall. No. 1,082,203; Dec. 23; Gaz. vol. 197; p. 874.
- Tire tread, Auto-. W. H. Weddington. No. 1,051,038; Jan. 21; Gaz. vol. 186; p. 658.
- Tire-tread, Detachable. J. A. Bowden. No. 1,050,798; Jan. 21; Gaz. vol. 186; p. 571.
- Tire-tread, Detachable. A. Aschéré. No. 1,053,953; Feb. 18; Gaz. vol. 187; p. 797.
- Tire-tread, Reversible. C. F. Fisk. No. 1,070,440; Aug. 19; Gaz. vol. 193; p. 536.
- Tire tread, Rubber-. H. L. McClaren. No. 1,071,071; Aug. 26; Gaz. vol. 193; p. 781.
- Tire-tube tester. H. E. Whitney. No. 1,071,124; Aug. 26; Gaz. vol. 193; p. 799.
- Tire-valve. M. C. Schweinert and H. P. Kraft. No. 1,050,491; Jan. 14; Gaz. vol. 186; p. 435.
- Tire-valve. F. B. Carlisle. No. 1,076,267; Oct. 21; Gaz. vol. 195; p. 630.
- Tire-valve dust-cap. J. Lynn. No. 1,079,781; Nov. 25; Gaz. vol. 196; p. 972.
- Tire valve-stem and pressure-gage, Combination. D. C. Hathaway. No. 1,079,704; Nov. 25; Gaz. vol. 196; p. 942.
- Tire, Vehicle-. A. Steinhauser. No. 1,049,937; Jan. 7; Gaz. vol. 186; p. 209.
- Tire, Vehicle-. A. B. Wetherell. No. 1,050,886; Jan. 21; Gaz. vol. 186; p. 603.
- Tire, Vehicle-. H. L. Biener. No. 1,051,307; Jan. 21; Gaz. vol. 186; p. 748.
- Tire, Vehicle-. W. F. Beasley. No. 1,051,798; Jan. 28; Gaz. vol. 186; p. 944.
- Tire, Vehicle-. F. A. Magowan. No. 1,053,101; Feb. 11; Gaz. vol. 187; p. 463.
- Tire, Vehicle-. B. H. Divine. No. 1,056,976; Mar. 25; Gaz. vol. 188; p. 887.
- Tire, Vehicle-. M. C. Overman. No. 1,057,083; Mar. 25; Gaz. vol. 188; p. 923.
- Tire, Vehicle-. G. C. Allison. No. 1,057,398; Apr. 1; Gaz. vol. 189; p. 3.
- Tire, Vehicle-. C. S. Turner. No. 1,057,467; Apr. 1; Gaz. vol. 189; p. 24.
- Tire, Vehicle-. T. L. Gunning. No. 1,060,080; Apr. 29; Gaz. vol. 189; p. 1077.
- Tire, Vehicle-. E. Williamson. No. 1,060,301; Apr. 29; Gaz. vol. 189; p. 1154.
- Tire, Vehicle-. C. F. Jenkins. No. 1,062,011; May 20; Gaz. vol. 190; p. 570.
- Tire, Vehicle-. W. E. Budd. No. 1,063,008; May 27; Gaz. vol. 190; p. 942.
- Tire, Vehicle-. J. C. Hollings. No. 1,063,972; June 10; Gaz. vol. 191; p. 308.
- Tire, Vehicle-. W. E. Anderson. No. 1,064,119; June 10; Gaz. vol. 191; p. 359.
- Tire, Vehicle-. L. S. Pfouts. No. 1,064,766; June 17; Gaz. vol. 191; p. 617.
- Tire, Vehicle-. W. A. Sawyer. No. 1,066,328; July 1; Gaz. vol. 192; p. 150.
- Tire, Vehicle-. J. Gersitz. No. 1,066,808; July 8; Gaz. vol. 192; p. 345.
- Tire, Vehicle-. J. Christy. No. 1,067,307; July 15; Gaz. vol. 192; p. 552.
- Tire, Vehicle-. W. C. Sneyd. No. 1,069,630; Aug. 5; Gaz. vol. 193; p. 186.
- Tire, Vehicle-. T. H. Grigg. No. 1,069,941; Aug. 12; Gaz. vol. 193; p. 323.
- Tire, Vehicle-. T. A. Robinson. No. 1,071,581; Aug. 26; Gaz. vol. 193; p. 950.
- Tire, Vehicle-. J. T. Clark. No. 1,074,246; Sept. 30; Gaz. vol. 194; p. 1005.
- Tire, Vehicle-. M. C. Overman. (Reissue.) No. 13,626; Oct. 7; Gaz. vol. 195; p. 259.
- Tire, Vehicle-. A. W. Savage. No. 1,075,992; Oct. 14; Gaz. vol. 195; p. 510.
- Tire, Vehicle-. A. W. Savage. No. 1,075,993; Oct. 14; Gaz. vol. 195; p. 510.
- Tire, Vehicle-. R. L. Leach. No. 1,077,085; Oct. 28; Gaz. vol. 195; p. 972.
- Tire, Vehicle-. H. J. Doughty. No. 1,077,128; Oct. 28; Gaz. vol. 195; p. 985.
- Tire, Vehicle-. J. H. Tucker. No. 1,077,176; Oct. 28; Gaz. vol. 195; p. 999.
- Tire, Vehicle-. B. C. Seaton. No. 1,077,310; Nov. 4; Gaz. vol. 196; p. 24.
- Tire, Vehicle-. J. T. Clark. No. 1,079,397; Nov. 25; Gaz. vol. 196; p. 836.
- Tire, Vehicle-. C. F. Forster. No. 1,080,821; Dec. 9; Gaz. vol. 197; p. 348.

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- Tire, Vehicle-. L. H. Ferguson. No. 1,083,245; Dec. 30; Gaz. vol. 197; p. 1262.
- Tire, Vehicle cushion-. J. Dana. No. 1,059,122; Apr. 15; Gaz. vol. 189; p. 678.
- Tire, Vehicle wheel-. A. C. Mather. No. 1,050,674; Jan. 14; Gaz. vol. 186; p. 495.
- Tire, Vehicle wheel-. H. L. Stillman. No. 1,080,385; Dec. 2; Gaz. vol. 197; p. 166.
- Tire-vulcanizer. C. I. Dodson. No. 1,056,013; Mar. 18; Gaz. vol. 188; p. 527.
- Tire-vulcanizers. Expander for. W. A. Hinds. No. 1,068,654; July 29; Gaz. vol. 192; p. 1082.
- Tire, Wheel-. D. Ronconi. No. 1,050,297; Jan. 14; Gaz. vol. 186; p. 366.
- Tire, Wheel-. T. Midgley. No. 1,067,361; July 15; Gaz. vol. 192; p. 569.
- Tire, Wheel-. C. L. Schwarz. No. 1,070,189; Aug. 12; Gaz. vol. 193; p. 409.
- Tire, Wheel-. A. A. Picard. No. 1,071,953; Sept. 2; Gaz. vol. 194; p. 97.
- Tire, Wheel-. C. L. Schwarz. No. 1,074,899; Oct. 7; Gaz. vol. 195; p. 106.
- Tire with detachable tread. J. A. Bowden. No. 1,054,820; Mar. 4; Gaz. vol. 188; p. 59.
- Tires, Adjustable shoe for automobile-. W. A. Jackson and E. L. Sherbondy. No. 1,075,917; Oct. 14; Gaz. vol. 195; p. 484.
- Tires, Automatic relief-valve for. S. P. Noe. No. 1,064,526; June 10; Gaz. vol. 191; p. 499.
- Tires, Chain mat for resilient. M. A. Carter. No. 1,065,214; June 17; Gaz. vol. 191; p. 760.
- Tires, Chain mat for wheel-. C. E. Smith. No. 1,065,084; June 17; Gaz. vol. 191; p. 719.
- Tires, Check-valve for pneumatic. C. A. Haas. No. 1,050,942; Jan. 21; Gaz. vol. 186; p. 624.
- Tires, Composition of matter for curing punctures in pneumatic. G. Fuenfstueck. No. 1,070,596; Aug. 19; Gaz. vol. 193; p. 590.
- Tires, Core for building pneumatic. M. D. Kuhlke. No. 1,060,262; Apr. 29; Gaz. vol. 189; p. 1140.
- Tires, Cushion element for resilient. C. E. Bright. No. 1,081,426; Dec. 16; Gaz. vol. 197; p. 585.
- Tires, Demountable rim for pneumatic. R. P. Scott. No. 1,075,501; Oct. 14; Gaz. vol. 195; p. 342.
- Tires, Demountable rim for pneumatic. C. R. Cantrell. No. 1,076,744; Oct. 28; Gaz. vol. 195; p. 854.
- Tires, Device for preventing excessive pressure in pneumatic. W. H. Van Winkle. No. 1,082,182; Dec. 23; Gaz. vol. 197; p. 867.
- Tires, Device for shaping the outer casings of pneumatic. G. W. Bell. No. 1,061,722; May 13; Gaz. vol. 190; p. 436.
- Tires, Grip-tread for vehicle-. C. J. Ohlsson. No. 1,080,923; Dec. 9; Gaz. vol. 197; p. 382.
- Tires, Heater for removing. A. E. Hauck. No. 1,053,913; Feb. 18; Gaz. vol. 187; p. 783.
- Tires, Heating apparatus for metallic. W. H. Walker. No. 1,066,859; July 8; Gaz. vol. 192; p. 365.
- Tires, Inclosed core for. J. M. Miller. No. 1,052,422; Feb. 4; Gaz. vol. 187; p. 197.
- Tires, Inner tube for pneumatic. A. and A. Raymond. No. 1,065,836; June 24; Gaz. vol. 191; p. 1010.
- Tires, Inner tubes for pneumatic. A. and A. Raymond. No. 1,078,515; Nov. 11; Gaz. vol. 196; p. 470.
- Tires, Liner for pneumatic. R. K. Taylor. No. 1,068,022; July 22; Gaz. vol. 192; p. 826.
- Tires, Making. A. E. Wale. No. 1,083,231; Dec. 30; Gaz. vol. 197; p. 1256.
- Tires, Manufacturing multiple-chamber inner tubes for pneumatic. A. and A. Raymond. No. 1,079,186; Nov. 18; Gaz. vol. 196; p. 735.
- Tires, Metallic belt-protector for vehicle-. W. P. Hammond. No. 1,074,085; Sept. 23; Gaz. vol. 194; p. 922.
- Tires of motor road-vehicles, &c., Apparatus for effecting repairs in. W. Hill. No. 1,057,736; Apr. 1; Gaz. vol. 189; p. 116.
- Tires of motor-vehicles, Tread-band for. J. C. Berry. No. 1,052,560; Feb. 11; Gaz. vol. 187; p. 276.
- Tires on rims, Device for building. W. C. Stevens. No. 1,080,860; Dec. 9; Gaz. vol. 197; p. 360.
- Tires, Portable vulcanizing device for. C. F. Adamson. No. 1,057,911; Apr. 1; Gaz. vol. 189; p. 177.
- Tires, Preparation for automatically sealing punctures in pneumatic. G. H. Price. No. 1,064,769; June 17; Gaz. vol. 191; p. 617.
- Tires puncture-proof, Composition of matter to be introduced into the inner tubes of pneumatic tires for rendering the. T. S. Causey. No. 1,062,535; May 20; Gaz. vol. 190; p. 744.
- Tires, &c., Repair device for pneumatic. T. C. Dobbins. No. 1,065,787; June 24; Gaz. vol. 191; p. 993.
- Tires, Rim for mounting pneumatic. E. F. Dreger and F. E. Pfister. No. 1,080,814; Dec. 9; Gaz. vol. 197; p. 345.
- Tires, Safety-valve for pneumatic. W. W. McCready and J. G. Myers. No. 1,068,798; July 29; Gaz. vol. 192; p. 1134.
- Tires, &c., Tool for repairing pneumatic. T. C. Dobbins. No. 1,051,490; Jan. 28; Gaz. vol. 186; p. 843.
- Tires, Unperforable metallic band for. G. A. V. Longue-mare. No. 1,064,661; June 10; Gaz. vol. 191; p. 544.
- Tires, Wheel-rim for pneumatic. E. K. Baker. No. 1,053,346; Feb. 18; Gaz. vol. 187; p. 591.
- Titanium, Raising the alloying qualification of. H. Goldschmidt and O. Well. No. 1,075,782; Oct. 14; Gaz. vol. 195; p. 437.
- Toaster. F. W. Sinks. No. 1,054,321; Feb. 25; Gaz. vol. 187; p. 958.
- Toaster. H. P. Knoblock. No. 1,070,263; Aug. 12; Gaz. vol. 193; p. 433.
- Toaster. F. A. Grearson. No. 1,075,144; Oct. 7; Gaz. vol. 195; p. 191.
- Toaster. W. A. Henry. No. 1,076,366; Oct. 21; Gaz. vol. 195; p. 667.
- Toaster and broiler. J. M. Brock. No. 1,073,660; Sept. 23; Gaz. vol. 194; p. 778.
- Toaster, Electric. F. E. Hewitt. No. 1,049,359; Jan. 7; Gaz. vol. 186; p. 14.
- Toaster, Electric. A. A. Warner. No. 1,080,667; Dec. 9; Gaz. vol. 197; p. 291.
- Toasting stand and fork. W. H. R. West. No. 1,061,431; May 13; Gaz. vol. 190; p. 332.
- Tobacco-bags, Discharge-regulator for. O. F. and R. P. Irrgang. No. 1,070,689; Aug. 19; Gaz. vol. 193; p. 621.
- Tobacco-box. W. Parker. No. 1,077,744; Nov. 4; Gaz. vol. 196; p. 172.
- Tobacco, Cartridge or like charge of. W. R. Comings. No. 1,072,914; Sept. 9; Gaz. vol. 194; p. 459.
- Tobacco-container. O. H. Johnson. No. 1,083,104; Dec. 30; Gaz. vol. 197; p. 1218.
- Tobacco-cutter. J. W. Arrants. No. 1,079,998; Dec. 2; Gaz. vol. 197; p. 27.
- Tobacco-cutting box. W. E. Royster, Jr. No. 1,070,988; Aug. 19; Gaz. vol. 193; p. 717.
- Tobacco elevator, Green-. S. Schmidt. No. 1,079,608; Nov. 25; Gaz. vol. 196; p. 910.
- Tobacco from nicotin, Freeing. J. Sartig. No. 1,055,360; Mar. 11; Gaz. vol. 188; p. 275.
- Tobacco-handling implement. E. Norbo. No. 1,081,460; Dec. 16; Gaz. vol. 197; p. 598.
- Tobacco-leaf counting and grading apparatus. T. B. Fearon. No. 1,059,724; Apr. 22; Gaz. vol. 189; p. 917.
- Tobacco-leaf-feeding device. G. F. Whiting and L. P. Whitaker. No. 1,058,823; Apr. 15; Gaz. vol. 189; p. 573.
- Tobacco-leaf-stemming machine. J. P. Scovill. No. 1,067,147; July 8; Gaz. vol. 192; p. 459.
- Tobacco-leaf-stemming machine. J. P. Scovill. No. 1,067,148; July 8; Gaz. vol. 192; p. 460.
- Tobacco-leaf-stemming machine. J. P. Scovill. No. 1,067,149; July 8; Gaz. vol. 192; p. 460.
- Tobacco-leaf-stringing machine. J. Merritt. No. 1,076,902; Oct. 28; Gaz. vol. 195; p. 910.
- Tobacco-leaf-stringing means. J. Merritt. No. 1,076,901; Oct. 28; Gaz. vol. 195; p. 910.
- Tobacco-leaves, Apparatus for assembling and suspending. A. Schneider. No. 1,055,664; Mar. 11; Gaz. vol. 188; p. 374.
- Tobacco-leaves, Production of artificial. L. Maier. No. 1,068,403; July 22; Gaz. vol. 192; p. 957.
- Tobacco, Packing plug-. H. Turner. No. 1,066,865; July 8; Gaz. vol. 192; p. 364.
- Tobacco-pipe. J. E. Dowling. No. 1,049,824; Jan. 7; Gaz. vol. 186; p. 173.
- Tobacco-pipe. E. R. Burke. No. 1,051,860; Feb. 4; Gaz. vol. 187; p. 5.
- Tobacco-pipe. E. G. Kothe. No. 1,052,349; Feb. 4; Gaz. vol. 187; p. 172.
- Tobacco-pipe. S. W. Gunn. No. 1,058,232; Apr. 8; Gaz. vol. 189; p. 332.
- Tobacco-pipe. P. F. Barton. No. 1,058,710; Apr. 15; Gaz. vol. 189; p. 532.
- Tobacco-pipe. C. F. Dolle. No. 1,058,734; Apr. 15; Gaz. vol. 189; p. 541.
- Tobacco-pipe. H. Froehlich. No. 1,061,234; May 6; Gaz. vol. 190; p. 230.
- Tobacco-pipe. F. J. Kieser. No. 1,065,372; June 24; Gaz. vol. 191; p. 853.
- Tobacco-pipe. C. O. Huckabay. No. 1,070,895; Aug. 19; Gaz. vol. 193; p. 687.
- Tobacco-pipe. C. Seidenberg. No. 1,071,356; Aug. 26; Gaz. vol. 193; p. 877.
- Tobacco-pipe. G. C. Rickly. No. 1,072,167; Sept. 2; Gaz. vol. 194; p. 171.
- Tobacco-pipe. T. Brož. No. 1,074,489; Sept. 30; Gaz. vol. 194; p. 1085.
- Tobacco-pipe. V. Simonin. No. 1,080,851; Dec. 9; Gaz. vol. 197; p. 357.
- Tobacco-pipe. U. L. M. Zetterstrom and C. G. Helstrom. No. 1,082,384; Dec. 23; Gaz. vol. 197; p. 939.
- Tobacco-pipe and the like cleaning device. C. H. Halg. No. 1,081,038; Dec. 9; Gaz. vol. 197; p. 418.
- Tobacco-pipe, Magazine. W. W. Warden, Jr. No. 1,055,842; Mar. 11; Gaz. vol. 188; p. 436.
- Tobacco-pipes, Absorber for use in the stems of. C. Peterson. No. 1,056,359; Mar. 18; Gaz. vol. 188; p. 642.

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- Tobacco-plug extractor. C. W. Gillham and G. B. Selbert. No. 1,064,317; June 10; Gaz. vol. 191; p. 428.
- Tobacco-plug extractor. B. T. Sublett. No. 1,081,786; Dec. 16; Gaz. vol. 197; p. 705.
- Tobacco-receptacle and pipe-filler, Combined. G. E. Robinson. No. 1,063,066; May 27; Gaz. vol. 190; p. 962.
- Tobacco-retainer. R. G. Lowman. No. 1,058,611; Apr. 8; Gaz. vol. 189; p. 461.
- Tobacco-scraper, Treating. C. F. Gloystein. No. 1,078,427; Nov. 11; Gaz. vol. 196; p. 442.
- Tobacco-setter. R. W. Ham. No. 1,083,090; Dec. 30; Gaz. vol. 197; p. 1214.
- Tobacco-sparing machine. F. T. Terry. No. 1,071,654; Aug. 26; Gaz. vol. 193; p. 975.
- Tobacco-stemming machine. H. C. Hebig. No. 1,073,853; Sept. 23; Gaz. vol. 194; p. 844.
- Tobacco-supporting lath. D. Eagleson. No. 1,077,513; Nov. 4; Gaz. vol. 196; p. 97.
- Tobacco, Treating. D. A. Gallagher. No. 1,062,093; May 20; Gaz. vol. 190; p. 598.
- Tobacco-working machine. H. P. Hill. No. 1,082,519; Dec. 30; Gaz. vol. 197; p. 1015.
- Tobacco-wrapper counter. D. Strasser. No. 1,061,931; May 13; Gaz. vol. 190; p. 501.
- Toe-binder. R. F. McFeely. No. 1,059,309; Apr. 15; Gaz. vol. 189; p. 741.
- Toe-binding apparatus. R. F. McFeely. No. 1,059,310; Apr. 15; Gaz. vol. 189; p. 741.
- Toe-calk shears. J. L. Zane. No. 1,058,134; Apr. 8; Gaz. vol. 189; p. 298.
- Toe-spreader. A. A. MacLeod. No. 1,063,271; June 3; Gaz. vol. 191; p. 34.
- Toe-spreader. W. M. Scholl. No. 1,080,304; Dec. 2; Gaz. vol. 197; p. 135.
- Toe-straightening appliance. W. M. Scholl. No. 1,080,305; Dec. 2; Gaz. vol. 197; p. 135.
- Toe-straightening device. W. M. Scholl. No. 1,055,810; Mar. 11; Gaz. vol. 188; p. 425.
- Toe-wiring device. E. Bayard. No. 1,068,843; July 29; Gaz. vol. 192; p. 1151.
- Toe-wiring tool. C. P. Holmes. No. 1,049,361; Jan. 4; Gaz. vol. 186; p. 14.
- Toggle. P. C. Stingel. No. 1,070,996; Aug. 19; Gaz. vol. 193; p. 720.
- Toggle. E. J. Fitzgerald. No. 1,082,075; Dec. 23; Gaz. vol. 197; p. 832.
- Toggle-head. A. Law. No. 1,052,731; Feb. 11; Gaz. vol. 187; p. 333.
- Toggle-joint breech mechanism. A. W. Schwarzlose. No. 1,070,633; Aug. 19; Gaz. vol. 193; p. 601.
- Toggle-making machine. H. S. Crombie. No. 1,060,168; Apr. 29; Gaz. vol. 189; p. 1107.
- Toilet article. J. Boivin. No. 1,049,441; Jan. 7; Gaz. vol. 186; p. 42.
- Toilet article. E. L. Jones. No. 1,051,415; Jan. 28; Gaz. vol. 186; p. 817.
- Toilet article. L. A. Hanson. No. 1,059,537; Apr. 22; Gaz. vol. 189; p. 856.
- Toilet articles, Combined framing and handle for. R. R. Debacher. No. 1,075,698; Oct. 14; Gaz. vol. 195; p. 409.
- Toilet-case. W. L. Deming. No. 1,069,117; Aug. 5; Gaz. vol. 193; p. 10.
- Toilet implement. S. Petrocelli. No. 1,058,689; Apr. 8; Gaz. vol. 189; p. 488.
- Toilet implement. F. O. Hilfiker. No. 1,078,283; Nov. 11; Gaz. vol. 196; p. 390.
- Toilet or like comb. F. W. Thompson. No. 1,053,754; Feb. 18; Gaz. vol. 187; p. 731.
- Toilet-pad, Sanitary. H. M. Batson and L. W. Channell. No. 1,070,575; Aug. 19; Gaz. vol. 193; p. 583.
- Toilet-receptacle. I. O. Wilkinson. No. 1,057,906; Apr. 1; Gaz. vol. 189; p. 175.
- Toilet-seat, Adjustable. M. R. D. Comins. No. 1,068,109; July 22; Gaz. vol. 192; p. 854.
- Toilet-seat and cover, Antiseptic. C. K. Pickles. No. 1,051,631; Jan. 28; Gaz. vol. 186; p. 890.
- Toilet-seat cover, Sanitary. S. N. Baruch. No. 1,063,319; June 3; Gaz. vol. 191; p. 50.
- Tombstone. D. Feldhamer and V. Livingston. No. 1,057,336; Mar. 25; Gaz. vol. 188; p. 1008.
- Tombstone-mold. N. C. Cameron. No. 1,072,309; Sept. 2; Gaz. vol. 194; p. 216.
- Tone-modifying device. W. H. Cook. No. 1,062,224; May 20; Gaz. vol. 190; p. 642.
- Tongs. N. Pearson. No. 1,070,286; Aug. 12; Gaz. vol. 193; p. 441.
- Tongs. W. Peter. No. 1,076,839; Oct. 28; Gaz. vol. 195; p. 887.
- Tongs, Adjustable casing-. W. S. Brummett. No. 1,073,661; Sept. 23; Gaz. vol. 194; p. 779.
- Tongs, Ash-. P. N. Stephanus. No. 1,051,029; Jan. 21; Gaz. vol. 186; p. 654.
- Tongs, Automatic chain. E. Green. No. 1,071,908; Sept. 2; Gaz. vol. 194; p. 83.
- Tongs, Blacksmith's. W. R. D. Hairston. No. 1,069,005; July 29; Gaz. vol. 192; p. 1204.
- Tongs, Clothes-. W. C. Dennis. No. 1,080,898; Dec. 9; Gaz. vol. 197; p. 373.
- Tongs, Food-. W. H. Wheeler. No. 1,049,956; Jan. 7; Gaz. vol. 186; p. 215.
- Tongs, Pipe-. J. T. Martin. No. 1,078,932; Nov. 18; Gaz. vol. 196; p. 645.
- Tongs, Tire-. T. Fortune. No. 1,068,997; July 29; Gaz. vol. 192; p. 1201.
- Tongue and truck, Jointed. J. D. Apmann. No. 1,064,880; June 17; Gaz. vol. 191; p. 652.
- Tongue attachment, Vehicle, implement, and wagon. W. H. Salyers. No. 1,059,219; Apr. 15; Gaz. vol. 189; p. 710.
- Tongue for farm implements. G. M. Schnell. No. 1,073,781; Sept. 23; Gaz. vol. 194; p. 821.
- Tongue hounds, Wagon-. W. J. McWilliams. No. 1,079,873; Nov. 25; Gaz. vol. 196; p. 1002.
- Tongue, Removable. P. J. Fagot. No. 1,069,609; Aug. 5; Gaz. vol. 193; p. 179.
- Tongue-support. S. A. Petterson. No. 1,049,597; Jan. 7; Gaz. vol. 186; p. 97.
- Tongue support, Cultivator-. F. C. Hron. No. 1,061,845; May 13; Gaz. vol. 190; p. 471.
- Tongue supporter, Wagon-. T. H. Shappy. No. 1,079,189; Nov. 18; Gaz. vol. 196; p. 737.
- Tongue-swing. W. L. Buckner. No. 1,080,951; Dec. 9; Gaz. vol. 197; p. 391.
- Tongue-switch. E. H. Steedman. No. 1,049,618; Jan. 7; Gaz. vol. 186; p. 104.
- Tongue-switch. E. H. Steedman. No. 1,049,936; Jan. 7; Gaz. vol. 186; p. 209.
- Tongue, Vehicle-. J. N. McOmber. No. 1,065,957; July 1; Gaz. vol. 192; p. 19.
- Tongue, Wagon-. E. Riggs. No. 1,078,956; Nov. 18; Gaz. vol. 196; p. 652.
- Tongues, Steering device for. J. A. Drury. No. 1,064,060; June 10; Gaz. vol. 191; p. 339.
- Tool. O. K. Olson. No. 1,051,754; Jan. 28; Gaz. vol. 186; p. 930.
- Tool. J. A. Schlehr. No. 1,051,921; Feb. 4; Gaz. vol. 187; p. 25.
- Tool. J. Sturtevant and J. T. Weinzierl. No. 1,052,982; Feb. 11; Gaz. vol. 187; p. 421.
- Tool. J. W. Lovering. No. 1,056,920; Mar. 25; Gaz. vol. 188; p. 867.
- Tool. H. S. Waite. No. 1,062,310; May 20; Gaz. vol. 190; p. 672.
- Tool. C. L. Wiedrich. No. 1,062,626; May 27; Gaz. vol. 190; p. 818.
- Tool. T. P. Giovanola and F. Cerrato. No. 1,065,124; June 17; Gaz. vol. 191; p. 732.
- Tool. S. Zimmerman. No. 1,076,732; Oct. 28; Gaz. vol. 195; p. 849.
- Tool. E. C. Shaw. No. 1,081,336; Dec. 16; Gaz. vol. 197; p. 556.
- Tool-adjusting mechanism. J. C. Slocum. No. 1,049,616; Jan. 7; Gaz. vol. 186; p. 103.
- Tool-chest handle. J. Neustaedter. No. 1,074,133; Sept. 30; Gaz. vol. 194; p. 968.
- Tool-clamp, Reversible. G. A. Shouldice. No. 1,050,702; Jan. 14; Gaz. vol. 186; p. 503.
- Tool, Combination-. R. A. Simonson. No. 1,050,242; Jan. 14; Gaz. vol. 186; p. 346.
- Tool, Combination-. C. A. Norberry. No. 1,054,443; Feb. 25; Gaz. vol. 187; p. 1001.
- Tool, Combination-. M. E. Greenhut. No. 1,058,049; Apr. 8; Gaz. vol. 189; p. 267.
- Tool, Combination-. G. J. Mohr. No. 1,058,453; Apr. 8; Gaz. vol. 189; p. 409.
- Tool, Combination-. P. Hawkins. No. 1,059,462; Apr. 22; Gaz. vol. 189; p. 831.
- Tool, Combination-. J. E. Lepage. No. 1,059,883; Apr. 22; Gaz. vol. 189; p. 967.
- Tool, Combination-. A. Bisko. No. 1,061,352; May 13; Gaz. vol. 190; p. 305.
- Tool, Combination-. J. W. Crossley. No. 1,062,584; May 27; Gaz. vol. 190; p. 803.
- Tool, Combination-. J. Blum. No. 1,068,731; July 29; Gaz. vol. 192; p. 1109.
- Tool, Combination-. W. M. Mackintosh. No. 1,068,792; July 29; Gaz. vol. 192; p. 1131.
- Tool, Combination-. G. W. Gilmer, Jr. No. 1,074,113; Sept. 30; Gaz. vol. 194; p. 961.
- Tool, Combination-. W. Pearson. No. 1,074,380; Sept. 30; Gaz. vol. 194; p. 1050.
- Tool, Combination-. B. J. Cook. No. 1,076,350; Oct. 21; Gaz. vol. 195; p. 661.
- Tool, Combination-. H. G. Wernimont. No. 1,079,997; Dec. 2; Gaz. vol. 197; p. 27.
- Tool, Combination pocket-. J. Bruecker. No. 1,057,525; Apr. 1; Gaz. vol. 189; p. 44.
- Tool, Compound. J. L. Scroggins. No. 1,056,594; Mar. 18; Gaz. vol. 188; p. 727.
- Tool, Compound. W. T. Long. No. 1,063,706; June 3; Gaz. vol. 191; p. 187.
- Tool, Compound. J. H. Holden. No. 1,079,243; Nov. 18; Gaz. vol. 196; p. 753.
- Tool-driver, Spiral. G. Plein. No. 1,054,142; Feb. 25; Gaz. vol. 187; p. 897.

Alphabetical list of inventions—Continued.

- Tool-drivers, Driving mechanism for spiral. J. Nahlinger. No. 1,061,773; May 13; Gaz. vol. 190; p. 450.
- Tool, Fluid-pressure-driven. A. Palmros. No. 1,072,358; Sept. 2; Gaz. vol. 194; p. 232.
- Tool, Fluid-pressure-operated. C. H. Peck. No. 1,079,662; Nov. 25; Gaz. vol. 196; p. 927.
- Tool, Hand-. B. Morgan. No. 1,050,746; Jan. 14; Gaz. vol. 186; p. 518.
- Tool, Hand-. J. H. Baldwin. No. 1,057,212; Mar. 25; Gaz. vol. 188; p. 968.
- Tool-handle. E. Kropat. No. 1,064,493; June 10; Gaz. vol. 191; p. 488.
- Tool-handle. K. H. Wollmann. No. 1,070,221; Aug. 12; Gaz. vol. 193; p. 419.
- Tool-handle. D. D. Peters. No. 1,073,817; Sept. 23; Gaz. vol. 194; p. 832.
- Tool-handle. J. L. Osgood. No. 1,074,891; Oct. 7; Gaz. vol. 195; p. 103.
- Tool-handle. C. B. Keller. No. 1,075,108; Oct. 7; Gaz. vol. 195; p. 179.
- Tool-handle. D. J. Scott. No. 1,075,732; Oct. 14; Gaz. vol. 195; p. 421.
- Tool-handle, Adjustable. W. H. Clarkson. No. 1,049,455; Jan. 7; Gaz. vol. 186; p. 47.
- Tool-handles, Means for attaching. T. J. Fegley and G. O. Leopold. No. 1,059,132; Apr. 15; Gaz. vol. 189; p. 681.
- Tool-hanger. S. C. Barrett. No. 1,081,261; Dec. 9; Gaz. vol. 197; p. 492.
- Tool-holder. M. Fried. No. 1,049,694; Jan. 7; Gaz. vol. 186; p. 128.
- Tool-holder. J. N. Anderson. No. 1,050,781; Jan. 21; Gaz. vol. 186; p. 565.
- Tool-holder. J. F. Slavik. No. 1,052,979; Feb. 11; Gaz. vol. 187; p. 420.
- Tool-holder. T. Charlton. No. 1,053,941; Feb. 18; Gaz. vol. 187; p. 792.
- Tool-holder. G. W. Conklin and P. H. Robinson. No. 1,056,089; Mar. 18; Gaz. vol. 188; p. 553.
- Tool-holder. P. Anderholm. No. 1,056,484; Mar. 18; Gaz. vol. 188; p. 687.
- Tool-holder. H. Fish. No. 1,056,653; Mar. 18; Gaz. vol. 188; p. 746.
- Tool-holder. J. H. Miller. No. 1,057,257; Mar. 25; Gaz. vol. 188; p. 984.
- Tool-holder. C. B. Crothers. No. 1,057,942; Apr. 1; Gaz. vol. 189; p. 186.
- Tool-holder. D. Howard. No. 1,060,340; Apr. 29; Gaz. vol. 189; p. 1169.
- Tool-holder. C. J. Crowley. No. 1,062,225; May 20; Gaz. vol. 190; p. 643.
- Tool-holder. H. Fish. No. 1,062,448; May 20; Gaz. vol. 190; p. 716.
- Tool-holder. H. E. Mattheus. No. 1,063,050; May 27; Gaz. vol. 190; p. 956.
- Tool-holder. H. Curtin. No. 1,068,221; July 22; Gaz. vol. 192; p. 894.
- Tool-holder. H. Haussman. No. 1,073,679; Sept. 23; Gaz. vol. 194; p. 785.
- Tool-holder. D. M. Bilby. No. 1,074,041; Sept. 23; Gaz. vol. 194; p. 908.
- Tool-holder. S. E. Green. No. 1,075,253; Oct. 7; Gaz. vol. 195; p. 229.
- Tool-holder. G. M. Henderson. No. 1,076,117; Oct. 21; Gaz. vol. 195; p. 582.
- Tool-holder. C. Geiger. No. 1,076,971; Oct. 28; Gaz. vol. 195; p. 935.
- Tool-holder. A. Cousot. No. 1,080,422; Dec. 2; Gaz. vol. 197; p. 178.
- Tool-holder. V. R. Koontz. No. 1,080,565; Dec. 9; Gaz. vol. 197; p. 257.
- Tool-holder. S. C. Barrett. No. 1,081,262; Dec. 9; Gaz. vol. 197; p. 492.
- Tool-holder. G. A. Taylor. No. 1,083,230; Dec. 30; Gaz. vol. 197; p. 1256.
- Tool-holder, Angularly-adjustable. G. A. Shouldice. No. 1,050,701; Jan. 14; Gaz. vol. 186; p. 503.
- Tool-holder, Automatic combination. C. F. Heinkel and W. G. Lueters. No. 1,069,614; Aug. 5; Gaz. vol. 193; p. 180.
- Tool-holder, Combination. W. D. Duckett. No. 1,063,863; June 3; Gaz. vol. 191; p. 237.
- Tool-holder, Detachable. E. W. Kenerson. No. 1,071,433; Aug. 26; Gaz. vol. 193; p. 902.
- Tool-holder, Expanding. J. H. Bastian and A. W. Nordgreen. No. 1,075,753; Oct. 14; Gaz. vol. 195; p. 428.
- Tool holder, Multiple. F. M. Hall. No. 1,064,725; June 17; Gaz. vol. 191; p. 603.
- Tool holder, Multiple-machine-. R. B. Craig. No. 1,061,822; May 13; Gaz. vol. 190; p. 464.
- Tool-holder, Single-service. S. S. Fuller. No. 1,073,112; Sept. 16; Gaz. vol. 194; p. 565.
- Tool-holder, Universal. P. E. Johanson. No. 1,080,560; Dec. 9; Gaz. vol. 197; p. 255.
- Tool-holding attachment. E. A. Geoffroy. No. 1,050,447; Jan. 14; Gaz. vol. 186; p. 419.
- Tool-holding device. J. Becker. No. 1,062,630; May 27; Gaz. vol. 190; p. 819.
- Tool-holding mechanism. G. Y. Courtney. No. 1,083,193; Dec. 30; Gaz. vol. 197; p. 1242.
- Tool, Household. J. C. Forster. No. 1,083,078; Dec. 30; Gaz. vol. 197; p. 1210.
- Tool, Internal-combustion. O. C. Duryea and M. C. White. No. 1,063,666; June 3; Gaz. vol. 191; p. 173.
- Tool loader, Magazine-. H. W. Owen. No. 1,054,788; Mar. 4; Gaz. vol. 188; p. 47.
- Tool, Mechanically-actuated. E. H. Thompson. No. 1,055,572; Mar. 11; Gaz. vol. 188; p. 344.
- Tool, Metal-turning. J. Hartness. No. 1,054,840; Mar. 4; Gaz. vol. 188; p. 65.
- Tool or implement, Pocket. B. Sheldon. No. 1,052,695; Feb. 11; Gaz. vol. 187; p. 323.
- Tool or tools for earthworking implements. C. P. A. Friberg. No. 1,054,404; Feb. 25; Gaz. vol. 187; p. 989.
- Tool, Percussive. C. H. Haeseler. No. 1,053,383; Feb. 18; Gaz. vol. 187; p. 603.
- Tool, Percussive. L. C. Bayles. No. 1,060,224; Apr. 29; Gaz. vol. 189; p. 1127.
- Tool, Percussive. L. C. Bayles. No. 1,060,225; Apr. 29; Gaz. vol. 189; p. 1127.
- Tool, Percussive. W. Clement. No. 1,078,188; Nov. 11; Gaz. vol. 196; p. 356.
- Tool, Percussive. L. C. Bayles. No. 1,080,095; Dec. 2; Gaz. vol. 197; p. 62.
- Tool, Percussive. L. C. Bayles. No. 1,080,096; Dec. 2; Gaz. vol. 197; p. 62.
- Tool, Percussive. L. C. Bayles. No. 1,080,880; Dec. 9; Gaz. vol. 197; p. 366.
- Tool, Percussive. L. C. Bayles. No. 1,080,881; Dec. 9; Gaz. vol. 197; p. 367.
- Tool, Percussive. L. C. Bayles. No. 1,081,653; Dec. 16; Gaz. vol. 197; p. 659.
- Tool, Pneumatic. H. E. Le Gendre. No. 1,053,304; Feb. 18; Gaz. vol. 187; p. 575.
- Tool, Pneumatic. C. A. Faessler. No. 1,054,343; Feb. 25; Gaz. vol. 187; p. 967.
- Tool, Pneumatic. I. W. Townsend. No. 1,062,749; May 27; Gaz. vol. 190; p. 857.
- Tool, Pneumatic. H. E. Le Gendre and G. Leich. No. 1,065,375; June 24; Gaz. vol. 191; p. 854.
- Tool, Pneumatic. H. E. Le Gendre and G. Leich. No. 1,066,414; July 1; Gaz. vol. 192; p. 177.
- Tool, Pneumatic. E. W. Raikes. No. 1,067,756; July 15; Gaz. vol. 192; p. 703.
- Tool, Pneumatic. A. H. Taylor. No. 1,068,711; July 29; Gaz. vol. 192; p. 1102.
- Tool, Pneumatic. A. H. Taylor. No. 1,068,712; July 29; Gaz. vol. 192; p. 1103.
- Tool, Pneumatic cleaning. C. R. Thurman. No. 1,068,713; July 29; Gaz. vol. 192; p. 1103.
- Tool, Portable electrically-operated. C. W. Miles. No. 1,057,005; Mar. 25; Gaz. vol. 188; p. 897.
- Tool-post. A. E. Bean. No. 1,058,656; Apr. 8; Gaz. vol. 189; p. 477.
- Tool, Power-actuated hand-. A. M. Irvine. No. 1,052,823; Feb. 11; Gaz. vol. 187; p. 367.
- Tool, Power-actuated hand-. A. M. Irvine. No. 1,052,824; Feb. 11; Gaz. vol. 187; p. 367.
- Tool, Pressure-actuated. G. H. Gilman. No. 1,053,093; Feb. 11; Gaz. vol. 187; p. 460.
- Tool-shanks to handles, Attaching. W. F. Hobbs. No. 1,071,618; Aug. 26; Gaz. vol. 193; p. 963.
- Tool-stock-driving mechanism. J. C. Tassey. No. 1,058,922; Apr. 15; Gaz. vol. 189; p. 608.
- Tool-stop, Automatic. H. Dreses and E. J. Spaeth. No. 1,063,665; June 3; Gaz. vol. 191; p. 172.
- Tools, Center-stop for machine-. E. P. Bullard, Jr. No. 1,059,655; Apr. 22; Gaz. vol. 189; p. 894.
- Tools, Forming. G. E. Wood. No. 1,069,215; Aug. 5; Gaz. vol. 193; p. 45.
- Tools, Micrometer-feed for. C. G. Trefethen. No. 1,066,166; July 1; Gaz. vol. 192; p. 92.
- Tools, Stroke-shortening device for percussive. C. C. Hansen. No. 1,056,170; Mar. 18; Gaz. vol. 188; p. 581.
- Tooling-machine. H. P. Townsend. No. 1,058,813; Apr. 15; Gaz. vol. 189; p. 569.
- Tooth. H. E. Dowell. No. 1,069,680; Aug. 12; Gaz. vol. 193; p. 233.
- Tooth. A. M. Kaehr. No. 1,075,979; Oct. 14; Gaz. vol. 195; p. 505.
- Tooth, Artificial. J. Kohn. No. 1,052,832; Feb. 11; Gaz. vol. 187; p. 370.
- Tooth, Artificial. J. A. Gardner. No. 1,064,635; June 10; Gaz. vol. 191; p. 536.
- Tooth, Artificial. A. W. Wimmer. No. 1,070,219; Aug. 12; Gaz. vol. 193; p. 419.
- Tooth, Artificial. E. Fogg. No. 1,070,442; Aug. 19; Gaz. vol. 193; p. 537.
- Tooth, Artificial. T. E. Dimelow. No. 1,070,785; Aug. 19; Gaz. vol. 193; p. 654.
- Tooth, Artificial. L. Perzin. No. 1,071,952; Sept. 2; Gaz. vol. 194; p. 97.
- Tooth, Artificial. H. Rutland. No. 1,073,365; Sept. 16; Gaz. vol. 194; p. 654.
- Tooth, Artificial. E. B. Fewell. No. 1,078,844; Nov. 18; Gaz. vol. 196; p. 617.
- Tooth-backings, Die for forming. H. L. Cruttenden. No. 1,076,957; Oct. 28; Gaz. vol. 195; p. 930.
- Tooth-crown. C. J. Spain. No. 1,062,048; May 20; Gaz. vol. 190; p. 581.

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- Tooth-crowns, Manufacture of artificial. M. J. Murray. No. 1,058,381; Apr. 8; Gaz. vol. 189; p. 384.
- Tooth-facing for bridge and plate work, Detachable. W. C. Lampe. No. 1,070,494; Aug. 19; Gaz. vol. 193; p. 555.
- Tooth-fronts, Manufacturing artificial. T. Steele. No. 1,082,365; Dec. 23; Gaz. vol. 197; p. 933.
- Tooth, Interchangeable. T. Steele. No. 1,082,366; Dec. 23; Gaz. vol. 197; p. 934.
- Tooth, Interchangeable artificial. J. W. Ivory. No. 1,081,307; Dec. 16; Gaz. vol. 197; p. 545.
- Tooth, Interchangeable flat-back front. H. C. Dance. No. 1,064,963; June 17; Gaz. vol. 191; p. 680.
- Tooth pad, Artificial. J. Moore. No. 1,050,561; Jan. 14; Gaz. vol. 186; p. 459.
- Tooth-powder. R. Yeganian. No. 1,073,725; Sept. 23; Gaz. vol. 194; p. 803.
- Tooth-powder. W. E. Danner. No. 1,082,681; Dec. 30; Gaz. vol. 197; p. 1075.
- Tooth-powder container. W. G. Steadman, Jr. No. 1,081,785; Dec. 16; Gaz. vol. 197; p. 704.
- Tooth-regulating appliances, Instrument for recording changes in. R. H. W. Strang. No. 1,082,052; Dec. 23; Gaz. vol. 197; p. 824.
- Tooth-rest. A. L. De Leeuw. No. 1,071,634; Aug. 26; Gaz. vol. 193; p. 968.
- Toothed wheels, milling-cutters, and the like, Grinding of. A. Aichele. No. 1,080,505; Dec. 2; Gaz. vol. 197; p. 205.
- Toothpick-dispenser, Sanitary. C. D. Lyon. No. 1,072,399; Sept. 2; Gaz. vol. 194; p. 248.
- Toothpick-holder, Single-delivery. A. B. Hughes. No. 1,077,715; Nov. 4; Gaz. vol. 196; p. 162.
- Toothpicks and matches, Holder and deliverer for. C. M. and T. Bartholomew. No. 1,069,666; Aug. 12; Gaz. vol. 193; p. 228.
- Toothpicks, &c., Machine for rounding. C. C. Freeman and W. W. Tainter. No. 1,061,063; May 6; Gaz. vol. 190; p. 175.
- Top. S. Gropper. No. 1,059,866; Apr. 22; Gaz. vol. 189; p. 962.
- Top-bow clamp. A. E. Thompson. No. 1,061,574; May 13; Gaz. vol. 190; p. 385.
- Top-comb cleaner. E. A. Rooney. No. 1,074,294; Sept. 30; Gaz. vol. 194; p. 1021.
- Top lift. S. W. Winslow. No. 1,078,652; Nov. 18; Gaz. vol. 196; p. 547.
- Top, Musical. F. W. Kent. No. 1,053,040; Feb. 11; Gaz. vol. 187; p. 440.
- Top-spinning device. E. P. Lehmann. No. 1,056,283; Mar. 18; Gaz. vol. 188; p. 619.
- Top-support. G. R. Wadsworth. No. 1,071,485; Aug. 26; Gaz. vol. 193; p. 918.
- Tops, gigs, and the like in motion, Device for setting. L. Weigand. No. 1,056,309; Mar. 18; Gaz. vol. 188; p. 627.
- Topping-knife and pick, Combined. A. L. Wilkes. No. 1,066,871; July 8; Gaz. vol. 192; p. 366.
- Torch. J. W. Edmands. No. 1,059,959; Apr. 22; Gaz. vol. 189; p. 993.
- Torch. F. E. Wright. No. 1,060,393; Apr. 29; Gaz. vol. 189; p. 1187.
- Torch. J. Unser. No. 1,061,575; May 13; Gaz. vol. 190; p. 385.
- Torch. P. F. Willis. No. 1,070,866; Aug. 19; Gaz. vol. 193; p. 678.
- Torch. J. G. Durkin. No. 1,071,405; Aug. 26; Gaz. vol. 193; p. 893.
- Torch. S. H. Tolman. No. 1,082,713; Dec. 30; Gaz. vol. 197; p. 1086.
- Torch, Blow-. L. J. Cloutier. No. 1,077,391; Nov. 4; Gaz. vol. 196; p. 53.
- Torch, Cutting-. E. A. Miller. No. 1,055,065; Mar. 4; Gaz. vol. 188; p. 141.
- Torch, Decarbonizing-. M. K. Dunham and H. H. Armstrong. No. 1,059,957; Apr. 22; Gaz. vol. 189; p. 993.
- Torch, Illuminating-. T. Toccaceli. No. 1,065,987; July 1; Gaz. vol. 192; p. 30.
- Torch, Oxyacetylene. T. Montgomery and A. Lochok. No. 1,069,455; Aug. 5; Gaz. vol. 193; p. 129.
- Torch, Sealing-. B. T. Cornett. No. 1,078,903; Nov. 18; Gaz. vol. 196; p. 636.
- Torch, Welding-. J. C. Gehring, Jr. and R. D. Conrad. No. 1,078,578; Nov. 11; Gaz. vol. 196; p. 490.
- Torch, Welding and cutting. A. V. and I. F. Fausek. No. 1,066,192; July 1; Gaz. vol. 192; p. 103.
- Torches, Wick-lifter for. L. C. Mills. No. 1,053,629; Feb. 18; Gaz. vol. 187; p. 687.
- Torpedo. L. S. Ross. No. 1,059,766; Apr. 22; Gaz. vol. 189; p. 931.
- Torpedo, Fiber-case railway signal-. F. Dutcher. No. 1,059,933; Apr. 22; Gaz. vol. 189; p. 984.
- Torpedo placer, Railway-. W. C. Beckwith. No. 1,058,532; Apr. 8; Gaz. vol. 189; p. 435.
- Torpedo placer, Railway-. R. F. Bingman and G. H. Winchell. No. 1,070,942; Aug. 19; Gaz. vol. 193; p. 702.
- Torpedo-placing machine. J. D. Bell. No. 1,057,917; Apr. 1; Gaz. vol. 189; p. 179.
- Torpedo, Railway signal-. W. C. Beckwith. No. 1,051,666; Jan. 28; Gaz. vol. 186; p. 903.
- Torpedo, Railway signal-. F. Dutcher. No. 1,080,428; Dec. 2; Gaz. vol. 197; p. 181.
- Torpedo, Self-propelling. C. Lemale. No. 1,078,687; Nov. 18; Gaz. vol. 196; p. 561.
- Torpedo, Submarine. H. W. Shonnard. No. 1,077,311; Nov. 4; Gaz. vol. 196; p. 24.
- Torpedoes, Sinking device for automobile. F. M. Leavitt. No. 1,076,295; Oct. 21; Gaz. vol. 195; p. 641.
- Torpedoes, Starting and stopping mechanism for automobile. F. M. Leavitt. No. 1,064,349; June 10; Gaz. vol. 191; p. 437.
- Torpedoes, Steering mechanism for automobile. F. M. Leavitt. No. 1,080,116; Dec. 2; Gaz. vol. 197; p. 70.
- Torsiometer. F. T. Edgecombe. No. 1,065,305; June 17; Gaz. vol. 191; p. 792.
- Towel and clothes rack. D. L. Laro. No. 1,060,193; Apr. 29; Gaz. vol. 189; p. 1115.
- Towel-delivery machine. U. E. Rohde. No. 1,070,536; Aug. 19; Gaz. vol. 193; p. 570.
- Towel-dispenser. E. D. Miller. No. 1,078,938; Nov. 18; Gaz. vol. 196; p. 647.
- Towel, garment, and napkin holding device. W. Kriz. No. 1,050,365; Jan. 14; Gaz. vol. 186; p. 390.
- Towel-holder. A. L. Stone. No. 1,055,098; Mar. 4; Gaz. vol. 188; p. 151.
- Towel-holder. H. C. McDonald. No. 1,075,047; Oct. 7; Gaz. vol. 195; p. 158.
- Towel-holder. E. A. Hood. No. 1,077,072; Oct. 28; Gaz. vol. 195; p. 969.
- Towel holder and lock, Combined. G. Reid. No. 1,067,622; July 15; Gaz. vol. 192; p. 658.
- Towel-holder, Sanitary. J. Q. Adams. No. 1,062,943; May 27; Gaz. vol. 190; p. 922.
- Towel machine, Sanitary-cloth-. U. E. Rohde. No. 1,070,737; Aug. 19; Gaz. vol. 193; p. 637.
- Towel-rack. T. K. Taylor. No. 1,052,292; Feb. 4; Gaz. vol. 187; p. 154.
- Towel-rack. A. H. Howe. No. 1,064,734; June 17; Gaz. vol. 191; p. 606.
- Towel-rack. A. Birdsley. No. 1,067,581; July 15; Gaz. vol. 192; p. 643.
- Towel-rack. M. Macpherson. No. 1,072,135; Sept. 2; Gaz. vol. 194; p. 160.
- Towel-retainer. T. Heins and E. R. Galland. No. 1,078,501; Nov. 11; Gaz. vol. 196; p. 465.
- Towel, Sanitary. A. P. Linville. No. 1,072,746; Sept. 9; Gaz. vol. 194; p. 397.
- Towels, Means for hanging. R. G. Finley. No. 1,070,593; Aug. 19; Gaz. vol. 193; p. 589.
- Towels, napkins, and the like, Apparatus for dispensing. P. G. Merritt. No. 1,057,973; Apr. 1; Gaz. vol. 189; p. 197.
- Tower, Extension-. J. L. Ackley. No. 1,076,539; Oct. 21; Gaz. vol. 195; p. 728.
- Tower or derrick coupling, Steel. L. C. Moore. No. 1,082,207; Dec. 23; Gaz. vol. 197; p. 875.
- Tower, Steel. R. L. Allen. No. 1,076,856; Oct. 28; Gaz. vol. 195; p. 893.
- Tower, Transmission-. F. M. Bowman and A. H. Bovard. No. 1,057,216; Mar. 25; Gaz. vol. 188; p. 970.
- Towing-hook for ships and the like. B. W. P. Thies. No. 1,056,308; Mar. 18; Gaz. vol. 188; p. 627.
- Toy. H. Finckh. No. 1,049,689; Jan. 7; Gaz. vol. 186; p. 127.
- Toy. J. H. Slater. No. 1,051,022; Jan. 21; Gaz. vol. 186; p. 652.
- Toy. J. K. Hamilton. No. 1,052,581; Feb. 11; Gaz. vol. 187; p. 284.
- Toy. H. A. Fergusson. No. 1,052,907; Feb. 11; Gaz. vol. 187; p. 396.
- Toy. W. S. Hendren. No. 1,053,170; Feb. 18; Gaz. vol. 187; p. 529.
- Toy. A. E. Holmberg. No. 1,053,994; Feb. 25; Gaz. vol. 187; p. 848.
- Toy. J. B. Carr. No. 1,058,150; Apr. 8; Gaz. vol. 189; p. 304.
- Toy. C. B. Mangelsdorff. No. 1,060,612; May 6; Gaz. vol. 190; p. 17.
- Toy. A. J. Nusly, Jr. No. 1,060,619; May 6; Gaz. vol. 190; p. 19.
- Toy. F. K. Rich and M. G. Marsh. No. 1,060,631; May 6; Gaz. vol. 190; p. 23.
- Toy. L. Moss. No. 1,060,998; May 6; Gaz. vol. 190; p. 152.
- Toy. E. Sweeney. No. 1,062,129; May 20; Gaz. vol. 190; p. 610.
- Toy. G. L. Brewer. No. 1,062,219; May 20; Gaz. vol. 190; p. 640.
- Toy. J. N. Whitehouse. No. 1,063,403; June 3; Gaz. vol. 191; p. 79.
- Toy. W. H. Reiff. No. 1,064,380; June 10; Gaz. vol. 191; p. 448.
- Toy. E. J. Schowalter. No. 1,071,805; Sept. 2; Gaz. vol. 194; p. 48.
- Toy. A. E. Holmberg. (Reissue.) No. 13,611; Sept. 2; Gaz. vol. 194; p. 253.
- Toy. E. J. Fraenkell. No. 1,073,111; Sept. 16; Gaz. vol. 194; p. 565.

Alphabetical list of inventions—Continued.

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- Toy, J. C. Sharp. No. 1,075,865; Oct. 14; Gaz. vol. 195; p. 465.
- Toy, F. Morinaga. No. 1,077,735; Nov. 4; Gaz. vol. 196; p. 168.
- Toy, A. E. Wilde. No. 1,079,200; Nov. 18; Gaz. vol. 196; p. 740.
- Toy, J. F. Schoepl. No. 1,080,078; Dec. 2; Gaz. vol. 197; p. 56.
- Toy, E. P. Lehmann. No. 1,080,465; Dec. 2; Gaz. vol. 197; p. 192.
- Toy, J. W. Zimmerman. No. 1,080,670; Dec. 9; Gaz. vol. 197; p. 292.
- Toy, H. H. and W. Worgan. No. 1,083,041; Dec. 30; Gaz. vol. 197; p. 1197.
- Toy, J. A. Marx. No. 1,083,117; Dec. 30; Gaz. vol. 197; p. 1222.
- Toy aeroplane, W. F. Haley. No. 1,063,536; June 3; Gaz. vol. 191; p. 123.
- Toy and advertising novelty, F. G. Fawkes. No. 1,058,357; Apr. 8; Gaz. vol. 189; p. 376.
- Toy and harmonica-demonstrator, Figure, J. W. Yelton. No. 1,059,807; Apr. 22; Gaz. vol. 189; p. 945.
- Toy balloon, W. Pfeiffer. No. 1,051,004; Jan. 21; Gaz. vol. 186; p. 646.
- Toy balloon, F. J. Creque. No. 1,070,422; Aug. 19; Gaz. vol. 193; p. 530.
- Toy bank, L. S. Schwartz. No. 1,077,165; Oct. 28; Gaz. vol. 195; p. 995.
- Toy cannon, J. D. Kilgore. No. 1,068,667; July 29; Gaz. vol. 192; p. 1087.
- Toy cannon, J. D. Kilgore. No. 1,076,125; Oct. 21; Gaz. vol. 195; p. 534.
- Toy-castle building-blocks, O. C. Schwarz. No. 1,061,637; May 13; Gaz. vol. 190; p. 405.
- Toy catapult, F. W. Pratt and B. J. Dickinson. No. 1,072,988; Sept. 9; Gaz. vol. 194; p. 487.
- Toy construction, J. L. Cowen. No. 1,065,344; June 24; Gaz. vol. 191; p. 842.
- Toy construction-blocks, A. C. Gilbert. No. 1,066,809; July 8; Gaz. vol. 192; p. 345.
- Toy effigy, M. M. Buckler. No. 1,064,051; June 10; Gaz. vol. 191; p. 336.
- Toy, Explosive, E. C. Teuscher. No. 1,057,596; Apr. 1; Gaz. vol. 189; p. 68.
- Toy fence, J. A. Smith. No. 1,049,933; Jan. 7; Gaz. vol. 186; p. 208.
- Toy, Fighting-cock, H. Boardman. No. 1,068,210; July 22; Gaz. vol. 192; p. 890.
- Toy, Figure, R. K. Montgomery. No. 1,056,570; Mar. 18; Gaz. vol. 188; p. 719.
- Toy-figure blank, F. Waddington. No. 1,057,019; Mar. 25; Gaz. vol. 188; p. 902.
- Toy figure, Cut, F. Waddington. No. 1,066,769; July 8; Gaz. vol. 192; p. 333.
- Toy gun, P. D. Zeigler. No. 1,058,931; Apr. 15; Gaz. vol. 189; p. 611.
- Toy gun, J. E. Birdsall. No. 1,060,887; May 6; Gaz. vol. 190; p. 112.
- Toy gun, O. S. Jones. No. 1,063,803; June 3; Gaz. vol. 191; p. 218.
- Toy, Magnet, W. J. Kerr. No. 1,064,972; June 17; Gaz. vol. 191; p. 683.
- Toy, Mechanical, W. S. Dolman. No. 1,049,345; Jan. 7; Gaz. vol. 186; p. 10.
- Toy, Mechanical, J. Mullen. No. 1,059,064; Apr. 15; Gaz. vol. 189; p. 657.
- Toy, Mechanical, M. Lovejoy. No. 1,068,147; July 22; Gaz. vol. 192; p. 868.
- Toy or film-burster, S. Weiss. No. 1,051,294; Jan. 21; Gaz. vol. 186; p. 743.
- Toy or film-burster, S. Weiss. No. 1,056,761; Mar. 18; Gaz. vol. 188; p. 785.
- Toy pistol, G. C. Lasares. No. 1,050,959; Jan. 21; Gaz. vol. 186; p. 630.
- Toy pistol, W. R. Atkinson. No. 1,061,257; May 13; Gaz. vol. 190; p. 273.
- Toy pistol, C. A. Bailey. No. 1,075,392; Oct. 14; Gaz. vol. 195; p. 306.
- Toy pistol, C. A. Bailey. No. 1,075,393; Oct. 14; Gaz. vol. 195; p. 306.
- Toy pistol, G. C. Lasares. No. 1,080,701; Dec. 9; Gaz. vol. 197; p. 302.
- Toy projectile, E. Hackh. No. 1,081,037; Dec. 9; Gaz. vol. 197; p. 418.
- Toy puzzle, C. E. Ashburner. No. 1,072,558; Sept. 9; Gaz. vol. 194; p. 332.
- Toy, Pyrotechnical, A. Jedel. No. 1,067,520; July 15; Gaz. vol. 192; p. 623.
- Toy, Rotary, J. P. Fuzerè. No. 1,050,269; Jan. 14; Gaz. vol. 186; p. 356.
- Toy school-room, W. P. Higgins. No. 1,069,012; July 29; Gaz. vol. 192; p. 1207.
- Toy, Spring-actuated, D. P. Clark. No. 1,063,959; June 10; Gaz. vol. 191; p. 304.
- Toy-track switch mechanism, A. E. Miller. No. 1,080,363; Dec. 2; Gaz. vol. 197; p. 157.
- Toys, Accessory for, J. C. Sproull. No. 1,078,704; Nov. 18; Gaz. vol. 196; p. 567.
- Trace attachment, G. Marsh. No. 1,054,432; Feb. 25; Gaz. vol. 187; p. 998.
- Trace-carrier, E. F. Morrell. No. 1,068,520; July 29; Gaz. vol. 192; p. 1036.
- Trace-carrier, M. H. Osborn. No. 1,079,605; Nov. 25; Gaz. vol. 196; p. 909.
- Trace-clip, Adjustable, B. F. Bradfute. No. 1,071,503; Aug. 26; Gaz. vol. 193; p. 924.
- Trace connection for vehicle-shafts, E. Beasley. No. 1,068,962; July 29; Gaz. vol. 192; p. 1192.
- Trace-end snap, R. A. Luke. No. 1,063,366; June 3; Gaz. vol. 191; p. 66.
- Trace-fastener, L. H. Jacobs. No. 1,053,820; Feb. 18; Gaz. vol. 187; p. 752.
- Trace-fastener, J. Stokes, Jr. No. 1,065,632; June 24; Gaz. vol. 191; p. 941.
- Trace-hitch, T. J. Johnson and J. C. Lucas. No. 1,051,115; Jan. 21; Gaz. vol. 186; p. 684.
- Trace-holder, T. C. Martin. No. 1,061,095; May 6; Gaz. vol. 190; p. 183.
- Trace-holder, F. Hardy. No. 1,063,437; June 3; Gaz. vol. 191; p. 90.
- Trace-hook, B. S. Kurtz. No. 1,053,833; Feb. 18; Gaz. vol. 187; p. 756.
- Trace-retainer, P. Fischer. No. 1,057,630; Apr. 1; Gaz. vol. 189; p. 79.
- Tracer, J. T. Todd. No. 1,061,643; May 13; Gaz. vol. 190; p. 407.
- Tracheal tube, C. E. Crowe. No. 1,065,920; July 1; Gaz. vol. 192; p. 5.
- Track adjuster and gage, W. C. Kliber. No. 1,053,831; Feb. 18; Gaz. vol. 187; p. 755.
- Track-adjusting device, J. Contos. No. 1,070,414; Aug. 19; Gaz. vol. 193; p. 527.
- Track, Automatic, P. Polnisch. No. 1,056,363; Mar. 18; Gaz. vol. 188; p. 644.
- Track clamp and brace, J. T. Loutzenhiser. No. 1,068,252; July 22; Gaz. vol. 192; p. 906.
- Track-cleaner, F. S. Hart. No. 1,054,543; Feb. 25; Gaz. vol. 187; p. 1035.
- Track-cleaner, I. T. Merchant. No. 1,075,927; Oct. 14; Gaz. vol. 195; p. 488.
- Track-cleaner, J. H. Haller. No. 1,081,608; Dec. 16; Gaz. vol. 197; p. 646.
- Track-cleaning machine, W. W. Lamb. No. 1,061,549; May 13; Gaz. vol. 190; p. 375.
- Track construction, C. R. Keck. No. 1,055,401; Mar. 11; Gaz. vol. 188; p. 288.
- Track construction, J. Noll. No. 1,059,752; Apr. 22; Gaz. vol. 189; p. 926.
- Track-contractor, C. W. Ward. No. 1,082,184; Dec. 23; Gaz. vol. 197; p. 867.
- Track-crossing, J. L. Branham and H. Campbell. No. 1,049,444; Jan. 7; Gaz. vol. 186; p. 43.
- Track-fastening, J. W. Stephenson. (Reissue.) No. 1,357,0; June 3; Gaz. vol. 191; p. 266.
- Track-gage, W. R. and J. T. Payne. No. 1,059,388; Apr. 22; Gaz. vol. 189; p. 804.
- Track-gage and level-board, H. F. Sutton. No. 1,076,797; Oct. 28; Gaz. vol. 195; p. 872.
- Track-gage and recorder, Combination, M. W. Downie. No. 1,066,188; July 1; Gaz. vol. 192; p. 101.
- Track-hanger, H. C. Rassmann. No. 1,049,396; Jan. 7; Gaz. vol. 186; p. 27.
- Track-jack, G. Appar and J. E. Davis. No. 1,065,765; June 24; Gaz. vol. 191; p. 987.
- Track-laying device, T. Morancy. No. 1,050,375; Jan. 14; Gaz. vol. 186; p. 393.
- Track-laying machine, J. P. Haddix. No. 1,056,096; Mar. 18; Gaz. vol. 188; p. 555.
- Track-laying machine, R. H. Simpson. No. 1,058,915; Apr. 15; Gaz. vol. 189; p. 606.
- Track-laying machine, C. M. Simpson. No. 1,062,743; May 27; Gaz. vol. 190; p. 855.
- Track-liner, C. M. Kipp. No. 1,061,243; May 6; Gaz. vol. 190; p. 233.
- Track-moving device, C. C. Jacobs. No. 1,064,333; June 10; Gaz. vol. 191; p. 432.
- Track or roadway for the use of motor-propelled vehicles, A. F. Haldeman. No. 1,070,248; Aug. 12; Gaz. vol. 193; p. 428.
- Track-plate, E. T. Lilliedale. No. 1,061,246; May 6; Gaz. vol. 190; p. 234.
- Track, Portable and adjustable, A. E. Kintner. No. 1,076,044; Oct. 21; Gaz. vol. 195; p. 556.
- Track, Portable branch, J. Kober. No. 1,069,069; July 29; Gaz. vol. 192; p. 1226.
- Track-sander, J. H. Hanlon. No. 1,065,044; June 17; Gaz. vol. 191; p. 705.
- Track-sander, W. B. Rogers. No. 1,074,207; Sept. 30; Gaz. vol. 194; p. 992.
- Track-sanding device, W. A. Mooney. No. 1,060,931; May 6; Gaz. vol. 190; p. 127.
- Track-sanding device, O. C. Newton. No. 1,068,602; July 29; Gaz. vol. 192; p. 1064.
- Track structure, C. A. Psilander. No. 1,054,613; Feb. 25; Gaz. vol. 187; p. 1058.
- Track structure, W. H. Wharran and C. T. Maxon. No. 1,071,122; Aug. 26; Gaz. vol. 193; p. 798.

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- Track-switch. M. J. Henahan. No. 1,076,982; Oct. 28; Gaz. vol. 195; p. 938.
- Track switch device, Overhead. H. C. Rassmann. No. 1,049,397; Jan. 7; Gaz. vol. 186; p. 27.
- Tracker-board. J. C. Hagey. No. 1,067,479; July 15; Gaz. vol. 192; p. 609.
- Tracker-board modifier. A. Jameson. No. 1,070,897; Aug. 19; Gaz. vol. 193; p. 688.
- Tracker-box. W. F. Bayer. No. 1,064,810; June 17; Gaz. vol. 191; p. 630.
- Tracking device. G. P. Brand. No. 1,051,073; Jan. 21; Gaz. vol. 186; p. 669.
- Trackway, Portable overhead. J. F. Reilly. No. 1,052,174; Feb. 4; Gaz. vol. 187; p. 115.
- Traction-bar with frame and cross-supports, Swivel. R. W. Peterson. No. 1,069,721; Aug. 12; Gaz. vol. 193; p. 247.
- Traction device. J. S. Hunter. No. 1,060,684; May 6; Gaz. vol. 190; p. 41.
- Traction device. B. Lindemann. No. 1,079,501; Nov. 25; Gaz. vol. 196; p. 872.
- Traction-engine. M. De Viese. No. 1,051,201; Jan. 21; Gaz. vol. 186; p. 711.
- Traction-engine. N. L. and H. Nilson. No. 1,051,624; Jan. 28; Gaz. vol. 186; p. 888.
- Traction-engine. E. M. Wheelock. No. 1,052,867; Feb. 11; Gaz. vol. 187; p. 381.
- Traction-engine. D. T. Timberlake. No. 1,053,329; Feb. 18; Gaz. vol. 187; p. 584.
- Traction-engine. H. J. Heider. No. 1,055,635; Mar. 11; Gaz. vol. 188; p. 364.
- Traction-engine. G. L. Campbell and B. K. Postlethwaite. No. 1,058,546; Apr. 8; Gaz. vol. 189; p. 441.
- Traction-engine. F. H. and F. W. Nett. No. 1,061,104; May 6; Gaz. vol. 190; p. 186.
- Traction-engine. O. M. Cox. No. 1,061,453; May 13; Gaz. vol. 190; p. 340.
- Traction-engine. N. H. Nelson. No. 1,061,684; May 13; Gaz. vol. 190; p. 422.
- Traction-engine. A. H. Welker. No. 1,063,307; June 3; Gaz. vol. 191; p. 46.
- Traction-engine. A. O. Lombard. No. 1,063,364; June 3; Gaz. vol. 191; p. 65.
- Traction-engine. R. D. Valentine. No. 1,070,362; Aug. 12; Gaz. vol. 193; p. 467.
- Traction-engine. B. Holt. No. 1,076,578; Oct. 21; Gaz. vol. 195; p. 742.
- Traction-engine and motor-wagon, Combined. A. L. Wyman. No. 1,083,044; Dec. 30; Gaz. vol. 197; p. 1198.
- Traction-engine flexible draw-bar. C. Edwards and H. H. Junkin. No. 1,080,429; Dec. 2; Gaz. vol. 197; p. 181.
- Traction-frame. A. S. Heggen. No. 1,070,467; Aug. 19; Gaz. vol. 193; p. 545.
- Traction-machine. A. I. Hovland. No. 1,063,200; June 3; Gaz. vol. 191; p. 11.
- Traction system and motor to be used therewith, Electric. K. de Kando. No. 1,050,468; Jan. 14; Gaz. vol. 186; p. 427.
- Traction system, Electric. L. B. Stillwell and F. N. Waterman. No. 1,081,342; Dec. 16; Gaz. vol. 197; p. 558.
- Traction system, Surface-contact electric. E. A. Mitchell. No. 1,050,223; Jan. 14; Gaz. vol. 186; p. 340.
- Traction-vehicle. L. S. Cushman. No. 1,080,101; Dec. 2; Gaz. vol. 197; p. 64.
- Traction-wheel. D. L. Clement. No. 1,052,317; Feb. 4; Gaz. vol. 187; p. 161.
- Traction-wheel. J. Blong. No. 1,057,405; Apr. 1; Gaz. vol. 189; p. 5.
- Traction-wheel. D. B. Husted. No. 1,062,335; May 20; Gaz. vol. 190; p. 680.
- Traction-wheel. S. M. Bower. No. 1,062,382; May 20; Gaz. vol. 190; p. 695.
- Traction-wheel. T. V. Buckwalter. No. 1,072,818; Sept. 9; Gaz. vol. 194; p. 423.
- Traction-wheel. A. Huffman. No. 1,077,076; Oct. 28; Gaz. vol. 195; p. 970.
- Traction-wheel and means for driving same. M. A. Graley. No. 1,059,147; Apr. 15; Gaz. vol. 189; p. 686.
- Tractor. E. A. Rumely. No. 1,055,085; Mar. 4; Gaz. vol. 188; p. 148.
- Tractor. W. P. Allen. No. 1,057,991; Apr. 1; Gaz. vol. 189; p. 203.
- Tractor. J. W. Romine. No. 1,064,774; June 17; Gaz. vol. 191; p. 618.
- Tractor. J. W. Maughmer and R. O. Aikman. No. 1,068,517; July 29; Gaz. vol. 192; p. 1035.
- Tractor. W. C. Martyn. No. 1,068,598; July 29; Gaz. vol. 192; p. 1063.
- Tractor. O. A. Hollis. No. 1,069,875; Aug. 12; Gaz. vol. 193; p. 301.
- Tractor. G. C. Jett. No. 1,071,427; Aug. 26; Gaz. vol. 193; p. 899.
- Tractor. G. C. Jett. (Reissue.) No. 13,634; Oct. 21; Gaz. vol. 195; p. 789.
- Tractor. C. M. Manly. No. 1,078,102; Nov. 11; Gaz. vol. 196; p. 327.
- Tractor. E. Bellemare. No. 1,078,820; Nov. 18; Gaz. vol. 196; p. 608.
- Tractor and plow, Combination. W. S. Wiley. No. 1,057,472; Apr. 1; Gaz. vol. 189; p. 26.
- Tractor connection. G. D. Munsing. No. 1,078,801; Nov. 18; Gaz. vol. 196; p. 602.
- Tractor driving mechanism. J. D. Ingram. No. 1,070,811; Aug. 19; Gaz. vol. 193; p. 661.
- Tractor, Two-wheel. J. I. Hoke. No. 1,073,490; Sept. 16; Gaz. vol. 194; p. 697.
- Tractors, Adjustable tool-hitch for. H. W. Leavitt. No. 1,078,736; Nov. 18; Gaz. vol. 196; p. 578.
- Tractors, Automatic guiding means for. J. A. Harner. No. 1,064,827; June 17; Gaz. vol. 191; p. 635.
- Traffic, Means for the regulation and control of railway and like. H. v. Kramer. No. 1,056,104; Mar. 18; Gaz. vol. 188; p. 558.
- Train-annunciator. L. W. Givan. No. 1,064,899; June 17; Gaz. vol. 191; p. 658.
- Train-coach attachment. W. E. Cook. No. 1,073,962; Sept. 23; Gaz. vol. 194; p. 882.
- Train-coaling station. C. C. Brackett. No. 1,054,272; Feb. 25; Gaz. vol. 187; p. 942.
- Train control. F. M. Raymond. No. 1,065,722; June 24; Gaz. vol. 191; p. 971.
- Train control. J. E. and W. L. Williams. No. 1,075,133; Oct. 7; Gaz. vol. 195; p. 188.
- Train-control system. J. Ames. No. 1,053,693; Feb. 18; Gaz. vol. 187; p. 709.
- Train-control system. J. L. Crouse. No. 1,075,462; Oct. 14; Gaz. vol. 195; p. 330.
- Train-controller. L. S. Mattox. No. 1,060,473; Apr. 29; Gaz. vol. 189; p. 1214.
- Train-controlling device, Despatcher's. J. Henri. No. 1,055,530; Mar. 11; Gaz. vol. 188; p. 330.
- Train-controlling means. A. J. Allard. No. 1,060,404; Apr. 29; Gaz. vol. 189; p. 1192.
- Train-controlling means, Electrical. A. J. Allard. No. 1,060,399; Apr. 29; Gaz. vol. 189; p. 1190.
- Train-controlling mechanism. R. T. and F. T. Jones. No. 1,077,937; Nov. 4; Gaz. vol. 196; p. 239.
- Train-derailer. C. F. Flemming. No. 1,079,230; Nov. 18; Gaz. vol. 196; p. 749.
- Train-order-delivering device. T. E. Dunbar. No. 1,077,816; Nov. 4; Gaz. vol. 196; p. 197.
- Train-order holder. C. J. Quay. No. 1,070,177; Aug. 12; Gaz. vol. 193; p. 404.
- Train-order holder. J. Barlow. No. 1,082,392; Dec. 23; Gaz. vol. 197; p. 942.
- Train-orders, Means for transmitting. E. W. Dean. No. 1,083,197; Dec. 30; Gaz. vol. 197; p. 1244.
- Train-protecting system. G. Carboni and C. Tironi. No. 1,054,277; Feb. 25; Gaz. vol. 187; p. 944.
- Train-signal. F. A. Casey. No. 1,066,079; July 1; Gaz. vol. 192; p. 62.
- Train-signal. A. R. Mutton. No. 1,066,748; July 8; Gaz. vol. 192; p. 326.
- Train signaling and controlling means, Electric. A. J. Allard. No. 1,060,398; Apr. 29; Gaz. vol. 189; p. 1189.
- Train signaling and controlling means, Electric. A. J. Allard. No. 1,060,400; Apr. 29; Gaz. vol. 189; p. 1190.
- Train signaling and controlling means, Electric. A. J. Allard. No. 1,060,401; Apr. 29; Gaz. vol. 189; p. 1190.
- Train signaling and controlling means, Electric. A. J. Allard. No. 1,060,402; Apr. 29; Gaz. vol. 189; p. 1191.
- Train signaling and controlling means, Electric. A. J. Allard. No. 1,060,403; Apr. 29; Gaz. vol. 189; p. 1191.
- Train signaling and controlling system, Electric. A. J. Allard. No. 1,060,405; Apr. 29; Gaz. vol. 189; p. 1192.
- Train-stop. A. R. Mutton. No. 1,077,739; Nov. 4; Gaz. vol. 196; p. 170.
- Train-stop, Automatic. H. G. Sedgwick. No. 1,082,825; Dec. 30; Gaz. vol. 197; p. 1125.
- Train-stop system. J. H. Boom. No. 1,053,899; Feb. 18; Gaz. vol. 187; p. 777.
- Train-stopping device. J. M. Kramlich. No. 1,055,762; Mar. 11; Gaz. vol. 188; p. 409.
- Train-stopping means. W. T. B. McDonald. No. 1,077,286; Nov. 4; Gaz. vol. 196; p. 15.
- Trains, Device for delivering messages to moving. C. R. Tarbet. No. 1,054,472; Feb. 25; Gaz. vol. 187; p. 1012.
- Trains, Electrically-driven railless. W. A. T. Müller. No. 1,075,595; Oct. 14; Gaz. vol. 195; p. 374.
- Trains, Electromechanical propulsion system for. H. Pieper. No. 1,056,119; Mar. 18; Gaz. vol. 188; p. 563.
- Trains or moving bodies, Apparatus for delivering articles, such as mail-bags, from. M. D. Van Lenten. No. 1,074,027; Sept. 23; Gaz. vol. 194; p. 903.
- Trains, ticket-rates, and time-tables, Schedule for. A. D. Cowden. No. 1,065,591; June 24; Gaz. vol. 191; p. 928.
- Training-machine. C. L. Hagen. No. 1,064,968; June 17; Gaz. vol. 191; p. 681.
- Tramway, Suspended-cable. C. H. Vogel and G. R. Taitt. No. 1,076,337; Oct. 21; Gaz. vol. 195; p. 657.
- Transfer-terminal. R. H. Rogers. No. 1,077,754; Nov. 4; Gaz. vol. 196; p. 176.
- Transformer. W. S. Moody. No. 1,057,077; Mar. 25; Gaz. vol. 188; p. 921.

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- Transformer. S. E. Johannesen. No. 1,069,259; Aug. 5; Gaz. vol. 193; p. 61.
- Transformer connection. K. Schmidt. No. 1,072,042; Sept. 2; Gaz. vol. 194; p. 127.
- Transformer. Electric. C. E. Campbell. No. 1,059,435; Apr. 22; Gaz. vol. 189; p. 822.
- Transformer. Oil-cooled. F. C. Green. No. 1,078,141; Nov. 11; Gaz. vol. 196; p. 340.
- Transformer. Rotary. E. M. Fraser. No. 1,052,717; Feb. 11; Gaz. vol. 187; p. 329.
- Transformers. Apparatus for regulating the pressure in step-. R. Richter. No. 1,053,110; Feb. 11; Gaz. vol. 187; p. 466.
- Transformers. Means for switching booster-. W. Zederbohm. No. 1,065,760; June 24; Gaz. vol. 191; p. 985.
- Transit. D. W. Brunton. No. 1,062,582; May 27; Gaz. vol. 190; p. 802.
- Translucent panel for signs and ornamental purposes. G. R. Meyer cord. No. 1,080,989; Dec. 9; Gaz. vol. 197; p. 403.
- Translucent panels. Producing. G. R. Meyer cord. No. 1,080,990; Dec. 9; Gaz. vol. 197; p. 403.
- Transmission device. W. H. Zachmann. No. 1,053,119; Feb. 11; Gaz. vol. 187; p. 469.
- Transmission device. T. H. Williams. No. 1,061,893; May 13; Gaz. vol. 190; p. 487.
- Transmission mechanism. N. A. Wheeler and F. S. Holley. No. 1,049,628; Jan. 7; Gaz. vol. 186; p. 107.
- Transmission mechanism. J. A. and G. S. Moore. No. 1,049,756; Jan. 7; Gaz. vol. 186; p. 148.
- Transmission mechanism. H. S. Mustin. No. 1,051,619; Jan. 28; Gaz. vol. 186; p. 887.
- Transmission mechanism. R. T. Van Valkenburg. No. 1,052,772; Feb. 11; Gaz. vol. 187; p. 347.
- Transmission mechanism. T. P. Steadman. No. 1,054,468; Feb. 28; Gaz. vol. 187; p. 1010.
- Transmission mechanism. C. E. Brooks. No. 1,058,703; Apr. 8; Gaz. vol. 189; p. 493.
- Transmission mechanism. E. J. Hall. No. 1,063,874; June 3; Gaz. vol. 191; p. 240.
- Transmission mechanism. W. Weekes and D. E. Absalom. No. 1,067,697; July 15; Gaz. vol. 192; p. 684.
- Transmission mechanism. J. A. Ricard. No. 1,069,473; Aug. 5; Gaz. vol. 193; p. 136.
- Transmission mechanism. H. B. Ross. No. 1,070,538; Aug. 19; Gaz. vol. 193; p. 571.
- Transmission mechanism. H. Devlin. No. 1,072,834; Sept. 9; Gaz. vol. 194; p. 428.
- Transmission mechanism. G. Jacobs. No. 1,076,829; Oct. 28; Gaz. vol. 195; p. 883.
- Transmission mechanism. H. Devlin. No. 1,079,477; Nov. 25; Gaz. vol. 196; p. 863.
- Transmission mechanism. J. G. Utz. No. 1,079,961; Dec. 2; Gaz. vol. 197; p. 13.
- Transmission mechanism. Controlling means for. F. Land. No. 1,050,957; Jan. 21; Gaz. vol. 186; p. 629.
- Transmission mechanism. Frictional. B. W. Davenport. No. 1,066,472; July 8; Gaz. vol. 192; p. 227.
- Transmission mechanism. Supporting means for. R. Herman. No. 1,064,213; June 10; Gaz. vol. 191; p. 392.
- Transmission system. H. Nehlsen. No. 1,079,259; Nov. 18; Gaz. vol. 196; p. 757.
- Transmitter. R. S. M. Mitchell. No. 1,056,350; Mar. 18; Gaz. vol. 188; p. 639.
- Transmitter. F. Kayser. No. 1,061,849; May 13; Gaz. vol. 190; p. 472.
- Transmitting-coupling. Flexible. W. T. Donnelly. No. 1,055,025; Mar. 4; Gaz. vol. 188; p. 127.
- Transmitting device. E. F. Davenport. No. 1,078,664; Nov. 18; Gaz. vol. 196; p. 552.
- Transom. R. Schoell. No. 1,067,146; July 8; Gaz. vol. 192; p. 459.
- Transom draft-gear. C. S. Shallenberger. No. 1,061,331; May 13; Gaz. vol. 190; p. 299.
- Transom draft-gear. H. M. Pfleger. No. 1,065,625; June 24; Gaz. vol. 191; p. 938.
- Transom-lifter. W. F. O'Rourke. No. 1,066,435; July 1; Gaz. vol. 192; p. 184.
- Transom-operating means. L. B. Smyser. No. 1,066,859; July 8; Gaz. vol. 192; p. 361.
- Transom-operator. L. B. Smyser. No. 1,065,181; June 17; Gaz. vol. 191; p. 749.
- Transom-operator. L. B. Smyser. No. 1,070,358; Aug. 12; Gaz. vol. 193; p. 465.
- Transom-operator. Concealed. H. G. Voight. No. 1,051,357; Jan. 21; Gaz. vol. 186; p. 763.
- Transoms and windows. Fluid-pressure control of. J. Hutchinson. No. 1,054,417; Feb. 25; Gaz. vol. 187; p. 993.
- Transplanter. J. S. De Long. No. 1,062,585; May 27; Gaz. vol. 190; p. 803.
- Transplanter. T. A. Cole. No. 1,071,001; Aug. 19; Gaz. vol. 193; p. 722.
- Transplanter. E. E. Engleman. No. 1,077,822; Nov. 4; Gaz. vol. 196; p. 199.
- Transplanting implement. A. C. Ballou. No. 1,058,138; Apr. 8; Gaz. vol. 189; p. 300.
- Transplanting-machine. E. E. Reavis. No. 1,059,316; Apr. 15; Gaz. vol. 189; p. 743.
- Transplanting machine. Plant-. R. L. Owens. No. 1,073,702; Sept. 23; Gaz. vol. 194; p. 794.
- Transplanting-tool. W. H. Wolff. No. 1,062,679; May 27; Gaz. vol. 190; p. 835.
- Transportation system. J. S. Williams. No. 1,050,320; Jan. 14; Gaz. vol. 186; p. 374.
- Transportation system. A. Horton. No. 1,070,472; Aug. 19; Gaz. vol. 193; p. 548.
- Transporter. G. Leue. No. 1,053,305; Feb. 18; Gaz. vol. 187; p. 576.
- Trap. See Animal-trap; Antisiphon-trap; Bath-trap; Bug and fly trap; Closet-trap; Crab-trap; Dead-fall trap; Drain-trap; Electric trap; Filter-trap; Fish-trap; Fly-trap; Game-trap; Gas-main and the like trap; Gopher-trap; Grease-trap; Hog-trap; Insect-trap; Liquid-trap; Lobster-trap; Mole-trap; Mouse-trap; Mouse or rat trap; Nest-trap; Pigeon-trap; Rabbit-trap; Radiator-trap; Rat-trap; Rodent-trap; Sand-trap; Screen-door trap; Self-acting trap; Separator-trap; Sewer-trap; Spring-trap; Steam-trap; Stench-trap; Target-trap; Vacuum separating-trap; Vermin-trap; Water-trap.
- Trap. W. B. Teeter. No. 1,049,781; Jan. 7; Gaz. vol. 186; p. 158.
- Trap. L. C. Thompson. No. 1,052,293; Feb. 4; Gaz. vol. 187; p. 154.
- Trap. L. A. Crain. No. 1,052,320; Feb. 4; Gaz. vol. 187; p. 162.
- Trap. G. K. Woods. No. 1,052,398; Feb. 4; Gaz. vol. 187; p. 189.
- Trap. G. H. Baehr. No. 1,057,401; Apr. 1; Gaz. vol. 189; p. 4.
- Trap. R. G. McAuley. No. 1,060,474; Apr. 29; Gaz. vol. 189; p. 1215.
- Trap. F. Smith. No. 1,062,126; May 20; Gaz. vol. 190; p. 609.
- Trap. E. G. McCue. No. 1,063,715; June 3; Gaz. vol. 191; p. 190.
- Trap. B. G. Cook. No. 1,063,857; June 3; Gaz. vol. 191; p. 235.
- Trap. A. H. McWhinney. No. 1,064,082; June 10; Gaz. vol. 191; p. 347.
- Trap. A. C. Force. No. 1,064,633; June 10; Gaz. vol. 191; p. 535.
- Trap. A. W. Larison. No. 1,067,526; July 15; Gaz. vol. 192; p. 625.
- Trap. G. W. K. Fisher. No. 1,067,709; July 22; Gaz. vol. 192; p. 788.
- Trap. G. J. Bohlander. No. 1,068,303; July 22; Gaz. vol. 192; p. 923.
- Trap. D. A. Shea. No. 1,069,297; Aug. 5; Gaz. vol. 193; p. 73.
- Trap. W. S. Osborne. No. 1,069,461; Aug. 5; Gaz. vol. 193; p. 131.
- Trap. F. A. Brayman. No. 1,071,025; Aug. 26; Gaz. vol. 193; p. 764.
- Trap. J. H. Maxwell. No. 1,071,678; Aug. 26; Gaz. vol. 193; p. 982.
- Trap. W. F. Hamann. No. 1,077,064; Oct. 28; Gaz. vol. 195; p. 966.
- Trap. J. G. Stoll. No. 1,077,567; Nov. 4; Gaz. vol. 196; p. 114.
- Trap. J. R. McClenahan. No. 1,079,944; Dec. 2; Gaz. vol. 197; p. 7.
- Trap-chamber cover. H. E. Reed. No. 1,069,180; Aug. 5; Gaz. vol. 193; p. 32.
- Trap-door. A. Mollenhauer. No. 1,055,939; Mar. 11; Gaz. vol. 188; p. 467.
- Trap-door. C. K. Ernst. No. 1,060,974; May 6; Gaz. vol. 190; p. 143.
- Trap-door. W. H. Mussey. No. 1,069,570; Aug. 5; Gaz. vol. 193; p. 166.
- Trap-door lifter. F. Troyer. No. 1,073,003; Sept. 9; Gaz. vol. 194; p. 491.
- Trap for rats, gophers, and similar small game. E. K. Van Curen. No. 1,078,526; Nov. 11; Gaz. vol. 196; p. 473.
- Trap-guard. F. E. Maynard. No. 1,060,993; May 6; Gaz. vol. 190; p. 150.
- Trap-holder. H. Stoffel. No. 1,062,051; May 20; Gaz. vol. 190; p. 582.
- Trap-teeth. Removable. F. Drake. No. 1,052,326; Feb. 4; Gaz. vol. 187; p. 163.
- Traps. Treadle-guard for spring-jaw. L. L. Rudrud. No. 1,074,210; Sept. 30; Gaz. vol. 194; p. 993.
- Trash-arrester and filter. W. H. Miller. No. 1,074,375; Sept. 30; Gaz. vol. 194; p. 1048.
- Trash-burner. A. L. Harris. No. 1,065,445; June 24; Gaz. vol. 191; p. 878.
- Traveler's lock and alarm. H. Grondin. No. 1,051,733; Jan. 28; Gaz. vol. 186; p. 924.
- Traveling-bag. J. Sahl. No. 1,056,218; Mar. 18; Gaz. vol. 188; p. 597.
- Traveling-bag. M. Chodorkow and R. Harvey. No. 1,079,745; Nov. 25; Gaz. vol. 196; p. 958.
- Traveling-grate furnace. S. J. Misener. No. 1,073,359; Sept. 16; Gaz. vol. 194; p. 653.
- Tray. C. A. Adams. No. 1,066,359; July 1; Gaz. vol. 192; p. 160.
- Tray. Communion-service. J. G. Thomas. No. 1,061,026; May 6; Gaz. vol. 190; p. 163.

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- Tray, Developing-. F. W. Quidas. No. 1,053,317; Feb. 18; Gaz. vol. 187; p. 580.
- Tray-elevator. L. Christensen. No. 1,057,934; Apr. 1; Gaz. vol. 189; p. 184.
- Tray, Embalmer's. F. D. Clark. No. 1,058,551; Apr. 8; Gaz. vol. 189; p. 442.
- Tray, Filing-. C. E. Wilson. No. 1,077,500; Nov. 4; Gaz. vol. 196; p. 93.
- Tray, Ring-. W. B. Dahl. No. 1,063,662; June 3; Gaz. vol. 191; p. 171.
- Tray-support, Adjustable foldable. W. L. Carter. No. 1,053,357; Feb. 18; Gaz. vol. 187; p. 595.
- Tread, Detachable. J. Mitchell. No. 1,066,305; July 1; Gaz. vol. 192; p. 144.
- Tread, Metal. R. G. Chase. No. 1,076,017; Oct. 21; Gaz. vol. 195; p. 546.
- Tread, Non-slip. A. G. Uptegraff. No. 1,068,714; July 29; Gaz. vol. 192; p. 1103.
- Tread, Resilient. P. W. Pratt. No. 1,082,096; Dec. 23; Gaz. vol. 197; p. 839.
- Treating apparatus. J. Aspinwall. No. 1,075,805; Oct. 14; Gaz. vol. 195; p. 445.
- Treating, molding and casting materials and apparatus therefor. W. H. Millsbaugh. No. 1,058,250; Apr. 8; Gaz. vol. 189; p. 337.
- Treating-table, Revolving-leaf. C. W. Albright. No. 1,076,475; Oct. 21; Gaz. vol. 195; p. 705.
- Tree: *See* Boot-tree; Doubletree; Shoe-tree; Side-expansion tree; Swingletree.
- Tree-heater. L. M. Wilson. No. 1,054,955; Mar. 4; Gaz. vol. 188; p. 101.
- Tree-prop. W. Fletcher. No. 1,051,208; Jan. 21; Gaz. vol. 186; p. 714.
- Tree-prop. W. P. Shepherd. No. 1,078,004; Nov. 11; Gaz. vol. 196; p. 293.
- Tree prop, Fruit-. S. W. Glascock. No. 1,080,758; Dec. 9; Gaz. vol. 197; p. 324.
- Tree prop, Fruit-. C. R. Thompson. No. 1,081,170; Dec. 9; Gaz. vol. 197; p. 461.
- Tree-protector. E. W. Liljegrän. No. 1,072,339; Sept. 2; Gaz. vol. 194; p. 225.
- Tree-protector. E. W. Liljegrän. No. 1,072,340; Sept. 2; Gaz. vol. 194; p. 225.
- Tree-protector. C. I. Helm. No. 1,075,255; Oct. 7; Gaz. vol. 195; p. 230.
- Tree-protector. W. Barrott. No. 1,081,482; Dec. 16; Gaz. vol. 197; p. 605.
- Tree-protector. J. J. Patterson. No. 1,082,439; Dec. 23; Gaz. vol. 197; p. 957.
- Tree-remover. J. H. Macwilliam. No. 1,061,094; May 6; Gaz. vol. 190; p. 183.
- Tree surgery. C. R. Myers. No. 1,076,441; Oct. 21; Gaz. vol. 195; p. 693.
- Tree surgery. R. B. Sherman. No. 1,080,660; Dec. 9; Gaz. vol. 197; p. 289.
- Tree-tapping apparatus. G. M. von Hassel. No. 1,070,339; Aug. 12; Gaz. vol. 193; p. 459.
- Trees, Apparatus for tapping rubber. E. W. Graves. No. 1,068,497; July 29; Gaz. vol. 192; p. 1028.
- Trees, Composition for treating diseases of. T. R. Satow. No. 1,054,796; Mar. 4; Gaz. vol. 188; p. 50.
- Trees, shrubs, and vines, Device for applying substances to. W. R. Kleckner. No. 1,080,460; Dec. 2; Gaz. vol. 197; p. 190.
- Trees, Treating. N. Longfeather. No. 1,070,499; Aug. 19; Gaz. vol. 193; p. 557.
- Trellis, Vine-. J. B. Bryan. No. 1,063,502; June 3; Gaz. vol. 191; p. 112.
- Trench-digger. M. G. Blick. No. 1,080,250; Dec. 2; Gaz. vol. 197; p. 116.
- Trestle, Carpenter's. H. D. Hallock. No. 1,067,809; July 22; Gaz. vol. 192; p. 755.
- Trial-frame. G. L. Tully. No. 1,073,879; Sept. 23; Gaz. vol. 194; p. 853.
- Trial-frame and face-gage. G. Mayerle. No. 1,052,161; Feb. 4; Gaz. vol. 187; p. 110.
- Trial or balance sheet. J. Barker. No. 1,072,417; Sept. 9; Gaz. vol. 194; p. 282.
- Trick-block. F. J. Robinson. No. 1,052,277; Feb. 4; Gaz. vol. 187; p. 149.
- Trick-box, Collapsible. S. Hechinger. No. 1,079,762; Nov. 25; Gaz. vol. 196; p. 964.
- Tricycle. M. M. Mallory. No. 1,083,115; Dec. 30; Gaz. vol. 197; p. 1221.
- Tricycle brake mechanism. P. A. McCarty. No. 1,056,705; Mar. 18; Gaz. vol. 188; p. 763.
- Tricycle, Motor-. N. C. Whiting. No. 1,055,960; Mar. 11; Gaz. vol. 188; p. 474.
- Tricycle propelling mechanism. P. A. McCarty. No. 1,078,056; Nov. 11; Gaz. vol. 196; p. 311.
- Trigger mechanism for automatic or self-loading small-arms. P. Mauser. No. 1,081,761; Dec. 16; Gaz. vol. 197; p. 696.
- Triggers of small-arms, Semi-automatic locking device for the. H. Sauer. No. 1,062,121; May 20; Gaz. vol. 190; p. 607.
- Trimmer: *See* Heel-trimmer; Hoof-trimmer; Lawn-trimmer; Pastry-cone trimmer; Wood-trimmer.
- Trimming and pruning machine. J. E. Krayner. No. 1,055,476; Mar. 11; Gaz. vol. 188; p. 313.
- Trimming-machine. B. F. Mayo. No. 1,057,071; Mar. 25; Gaz. vol. 188; p. 920.
- Trimming-machine. J. A. Robertson and G. A. Riggs. No. 1,064,009; June 10; Gaz. vol. 191; p. 322.
- Trimming-machine. E. L. Keyes. No. 1,076,431; Oct. 21; Gaz. vol. 195; p. 690.
- Trip-hook. S. O. Klefsaas. No. 1,055,281; Mar. 4; Gaz. vol. 188; p. 208.
- Tripping device, Magnetically-operated. M. R. Rodrigues. No. 1,061,326; May 13; Gaz. vol. 190; p. 297.
- Triple bar. T. Canfield. No. 1,055,876; Mar. 11; Gaz. vol. 188; p. 447.
- Tripod. J. C. Morton and A. S. Rupard. No. 1,061,102; May 6; Gaz. vol. 190; p. 186.
- Tripod. C. Walte. No. 1,064,798; June 17; Gaz. vol. 191; p. 626.
- Tripod and walking-stick, Convertible. I. A. Bell. No. 1,063,106; May 27; Gaz. vol. 190; p. 975.
- Tripod-head. J. Tessier. No. 1,082,053; Dec. 23; Gaz. vol. 197; p. 825.
- Trivet. C. Nelson. No. 1,061,319; May 13; Gaz. vol. 190; p. 295.
- Trolley. J. Kinzey. No. 1,050,143; Jan. 14; Gaz. vol. 186; p. 313.
- Trolley. E. P. Hinchberger. No. 1,050,830; Jan. 21; Gaz. vol. 186; p. 583.
- Trolley. J. Gosch. No. 1,053,805; Feb. 18; Gaz. vol. 187; p. 747.
- Trolley. A. Daszko and A. Bielech. No. 1,054,092; Feb. 25; Gaz. vol. 187; p. 880.
- Trolley. J. W. McKinney. No. 1,055,205; Mar. 4; Gaz. vol. 188; p. 184.
- Trolley. H. Habbert, B. U. Nixdorf, and A. Rupscheidt. No. 1,055,273; Mar. 4; Gaz. vol. 188; p. 205.
- Trolley. R. F. Cook. No. 1,056,630; Mar. 18; Gaz. vol. 188; p. 738.
- Trolley. E. Swinarski. No. 1,059,011; Apr. 15; Gaz. vol. 189; p. 640.
- Trolley. J. Risbriger. No. 1,060,947; May 6; Gaz. vol. 190; p. 133.
- Trolley. J. Pulit. No. 1,062,414; May 20; Gaz. vol. 190; p. 706.
- Trolley. J. Fawcett. No. 1,062,959; May 27; Gaz. vol. 190; p. 927.
- Trolley. M. A. Born. No. 1,065,771; June 24; Gaz. vol. 191; p. 989.
- Trolley. J. Eberwein. No. 1,067,510; July 15; Gaz. vol. 192; p. 620.
- Trolley. S. F. Walker and A. W. Walton. No. 1,069,208; Aug. 5; Gaz. vol. 193; p. 42.
- Trolley. S. A. Bemis. No. 1,069,519; Aug. 5; Gaz. vol. 193; p. 149.
- Trolley. J. R. Eisaman. No. 1,073,480; Sept. 16; Gaz. vol. 194; p. 695.
- Trolley. J. Gay. No. 1,075,349; Oct. 14; Gaz. vol. 195; p. 288.
- Trolley. J. J. Sabo. No. 1,076,788; Oct. 28; Gaz. vol. 195; p. 869.
- Trolley. S. G. Valles. No. 1,077,018; Oct. 28; Gaz. vol. 195; p. 951.
- Trolley. E. Reddick and J. P. Noel. No. 1,078,218; Nov. 11; Gaz. vol. 196; p. 367.
- Trolley. G. O. Burwell and C. M. Kurtz. No. 1,081,809; Dec. 16; Gaz. vol. 197; p. 713.
- Trolley. G. L. Robertson. No. 1,082,046; Dec. 23; Gaz. vol. 197; p. 822.
- Trolley. P. Johnson. No. 1,083,017; Dec. 30; Gaz. vol. 197; p. 1190.
- Trolley. M. Adamski. No. 1,083,047; Dec. 30; Gaz. vol. 197; p. 1199.
- Trolley attachment. B. F. Dewees. No. 1,065,385; July 1; Gaz. vol. 191; p. 169.
- Trolley-catcher. P. N. Van Epp. No. 1,054,061; Feb. 25; Gaz. vol. 187; p. 870.
- Trolley catcher and retriever. E. L. Jewett. No. 1,060,341; Apr. 29; Gaz. vol. 189; p. 1169.
- Trolley catcher or guard. A. W. Hart. No. 1,066,008; July 1; Gaz. vol. 192; p. 37.
- Trolley-collector shoe. W. H. Miller. No. 1,079,059; Nov. 18; Gaz. vol. 196; p. 691.
- Trolley-conductors, Supporting structure for. H. P. Davis and T. Varney. No. 1,076,630; Oct. 21; Gaz. vol. 195; p. 761.
- Trolley-contact signal or switch system. T. Cope. No. 1,050,000; Jan. 7; Gaz. vol. 186; p. 230.
- Trolley-controlling device. A. A. Grossarth and T. E. Barker. No. 1,061,471; May 13; Gaz. vol. 190; p. 346.
- Trolley, Convertible. A. L. Behner and J. Scott. No. 1,083,049; Dec. 30; Gaz. vol. 197; p. 1200.
- Trolley-finder. A. Klein and J. Poss. No. 1,058,761; Apr. 15; Gaz. vol. 189; p. 550.
- Trolley-finder. P. J. Minck. No. 1,079,946; Dec. 2; Gaz. vol. 197; p. 7.
- Trolley for fixed-tongue-switch track systems, Power-driven. N. Whicello. No. 1,064,411; June 10; Gaz. vol. 191; p. 460.
- Trolley-guard. W. M. Hard. No. 1,060,451; Apr. 29; Gaz. vol. 189; p. 1207.
- Trolley-guard. M. Szwargulski. No. 1,073,303; Sept. 16; Gaz. vol. 194; p. 633.

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- Trolley-guard. P. Dragan, C. D. George, and R. J. Palermo. No. 1,078,489; Nov. 11; Gaz. vol. 196; p. 461.
- Trolley-guard. M. Guariglia. No. 1,079,408; Nov. 25; Gaz. vol. 196; p. 839.
- Trolley-harp. G. W. Rickard and E. C. De Voe. No. 1,051,009; Jan. 21; Gaz. vol. 186; p. 648.
- Trolley-head. R. F. Henne. No. 1,050,652; Jan. 14; Gaz. vol. 186; p. 488.
- Trolley-head. C. H. Buck. No. 1,053,006; Feb. 11; Gaz. vol. 187; p. 428.
- Trolley-head. R. C. Cotton. No. 1,055,140; Mar. 4; Gaz. vol. 188; p. 164.
- Trolley insulated sections, Construction of. R. R. Miller. No. 1,075,787; Oct. 14; Gaz. vol. 195; p. 439.
- Trolley mechanism. L. R. Barker and E. C. Dietrich. No. 1,050,908; Jan. 21; Gaz. vol. 186; p. 613.
- Trolley. Overhead hoisting. B. S. Spaulding. No. 1,065,399; June 24; Gaz. vol. 191; p. 862.
- Trolley. Pantograph. F. E. Case. No. 1,075,331; Oct. 14; Gaz. vol. 195; p. 283.
- Trolley-pole. J. L. Rogers. No. 1,054,243; Feb. 25; Gaz. vol. 187; p. 933.
- Trolley-pole. A. Levesque. No. 1,065,818; June 24; Gaz. vol. 191; p. 1003.
- Trolley-pole. A. R. Christian. No. 1,083,266; Dec. 30; Gaz. vol. 197; p. 1268.
- Trolley-pole and brake control. J. E. Peck. No. 1,072,252; Sept. 2; Gaz. vol. 194; p. 197.
- Trolley pole and wheel. J. F. Ireland. No. 1,069,014; July 29; Gaz. vol. 192; p. 1207.
- Trolley-pole clamp. L. G. Bowen. No. 1,049,657; Jan. 7; Gaz. vol. 186; p. 117.
- Trolley-pole retriever. C. B. Rodgers and J. A. Brennan. No. 1,077,558; Nov. 4; Gaz. vol. 196; p. 111.
- Trolley-pole support. J. M. Andersen. No. 1,078,762; Nov. 18; Gaz. vol. 196; p. 588.
- Trolley-replacer. G. A. Spaeth. No. 1,065,851; June 24; Gaz. vol. 191; p. 1015.
- Trolley-stand. H. Holland. No. 1,052,586; Feb. 11; Gaz. vol. 187; p. 285.
- Trolley stand and pole. A. C. Kudla. No. 1,072,014; Sept. 2; Gaz. vol. 194; p. 119.
- Trolley-support. W. Hadden. No. 1,049,576; Jan. 7; Gaz. vol. 186; p. 89.
- Trolley-switch. L. E. Elwell. No. 1,059,131; Apr. 15; Gaz. vol. 189; p. 681.
- Trolley-track switch, Elevated. V. Wagner. No. 1,059,412; Apr. 22; Gaz. vol. 189; p. 813.
- Trolley-wheel. C. F. Bettmann. No. 1,050,094; Jan. 14; Gaz. vol. 186; p. 298.
- Trolley-wheel. B. H. Hawkins. No. 1,055,275; Mar. 4; Gaz. vol. 188; p. 206.
- Trolley-wheel. M. E. Drake and D. B. Barnett. No. 1,059,931; Apr. 22; Gaz. vol. 189; p. 984.
- Trolley-wheel. J. W. Anderson. No. 1,060,055; Apr. 29; Gaz. vol. 189; p. 1069.
- Trolley-wheel. J. Kress. No. 1,065,692; June 24; Gaz. vol. 191; p. 962.
- Trolley-wheel. J. S. Randolph. No. 1,078,643; Nov. 18; Gaz. vol. 196; p. 545.
- Trolley-wheel, Ball-bearing flanged. B. B. Farnham. No. 1,063,522; June 3; Gaz. vol. 191; p. 119.
- Trolley-wheel construction. H. Cutler. No. 1,061,989; May 20; Gaz. vol. 190; p. 562.
- Trolley-wheel construction. W. H. Arnold. No. 1,070,658; Aug. 19; Gaz. vol. 193; p. 610.
- Trolley wheel or sheave. A. E. Lineberg. No. 1,077,147; Oct. 28; Gaz. vol. 195; p. 990.
- Trolley-wire clamp or fastening device. G. A. Mead and F. S. Denneen. No. 1,080,712; Dec. 9; Gaz. vol. 197; p. 306.
- Trolley-wire crossing, switch, and the like. S. S. Goldman. No. 1,075,032; Oct. 7; Gaz. vol. 195; p. 153.
- Trolley-wire hanger. J. Christensen. No. 1,063,182; June 3; Gaz. vol. 191; p. 5.
- Trolley-wire hanger. W. A. McCallum. No. 1,069,800; Aug. 12; Gaz. vol. 193; p. 275.
- Trolley-wire splice. W. J. Dukro. No. 1,061,992; May 20; Gaz. vol. 190; p. 563.
- Trolleys, Bow contact-shoe for. M. Ergenzinger and H. S. Day. No. 1,070,432; Aug. 19; Gaz. vol. 193; p. 533.
- Trolleys, Sleet-scraper for. M. J. Brennan. No. 1,063,501; June 3; Gaz. vol. 191; p. 111.
- Trolling device. T. W. Jordan. No. 1,081,837; Dec. 16; Gaz. vol. 197; p. 724.
- Trolling-spoon. W. W. Lewis. No. 1,062,980; May 27; Gaz. vol. 190; p. 934.
- Trombone. J. L. De Good. No. 1,059,043; Apr. 15; Gaz. vol. 189; p. 650.
- Trombone. R. Middleton. No. 1,060,779; May 6; Gaz. vol. 190; p. 73.
- Trombone. C. J. Kiefer. No. 1,078,628; Nov. 18; Gaz. vol. 196; p. 540.
- Trombone-slide. A. W. Harthill and I. E. Stamets. No. 1,062,279; May 20; Gaz. vol. 190; p. 661.
- Trough. *See* Animal-trough; Blackboard dust-trough; Drinking-trough; Eaves-trough; Extensible trough; Feed-trough; Hog-trough; Salting-trough; Stock-trough; Watering-trough.
- Trough. W. J. Vertrees. No. 1,076,724; Oct. 28; Gaz. vol. 195; p. 847.
- Trough-driers, Rotary tubular heating-body for. R. Meister. No. 1,064,664; June 10; Gaz. vol. 191; p. 545.
- Trough or open flume. W. Lennon. (Reissue.) No. 13,586; June 24; Gaz. vol. 191; p. 1043.
- Troughing-rolls, Stand for. S. B. Peck. No. 1,072,156; Sept. 2; Gaz. vol. 194; p. 167.
- Trousers. S. Wisotzky. No. 1,070,867; Aug. 19; Gaz. vol. 193; p. 679.
- Trousers. J. A. Ludwig and J. B. Moses. No. 1,071,932; Sept. 2; Gaz. vol. 194; p. 91.
- Trousers and the like inflatable supporter. H. Leap. No. 1,080,985; Dec. 9; Gaz. vol. 197; p. 402.
- Trousers appliance or device. M. V. Hammack. No. 1,049,578; Jan. 7; Gaz. vol. 186; p. 90.
- Trousers attachment. M. Hurwitz. No. 1,076,581; Oct. 21; Gaz. vol. 195; p. 743.
- Trousers-belt. A. K. Wander and R. Dalmar. No. 1,078,974; Nov. 18; Gaz. vol. 196; p. 659.
- Trousers belt attachment. F. Baker and S. H. Baron. No. 1,052,304; Feb. 4; Gaz. vol. 187; p. 157.
- Trousers, Belt-holder for. M. Rosenberg. No. 1,050,849; Jan. 21; Gaz. vol. 186; p. 590.
- Trousers-creasing device. I. B. Macomber. No. 1,064,921; June 17; Gaz. vol. 191; p. 664.
- Trousers-creasing device. S. Ronda. No. 1,083,032; Dec. 30; Gaz. vol. 197; p. 1194.
- Trousers, Emergency. A. Solitano. No. 1,055,094; Mar. 4; Gaz. vol. 188; p. 150.
- Trousers-hook and belt-supporter. H. L. Hillegeist. No. 1,062,334; May 20; Gaz. vol. 190; p. 679.
- Trousers-pattern with hem and cuff extension. F. T. Harrington. No. 1,064,072; June 10; Gaz. vol. 191; p. 343.
- Trousers-press. W. T. Luckey. No. 1,065,260; June 17; Gaz. vol. 191; p. 776.
- Trousers-presser. W. T. Luckey. No. 1,055,930; Mar. 11; Gaz. vol. 188; p. 464.
- Trousers-shield. A. B. McCall. No. 1,075,296; Oct. 7; Gaz. vol. 195; p. 246.
- Trousers-stretcher. C. O. Schneider. No. 1,061,329; May 13; Gaz. vol. 190; p. 298.
- Trousers-stretcher. J. Wolber. No. 1,065,995; July 1; Gaz. vol. 192; p. 32.
- Trousers-stretcher. G. Van Rooijen. No. 1,072,881; Sept. 9; Gaz. vol. 194; p. 446.
- Trousers-stretcher and coat-hanger, Combined. J. Amato. No. 1,080,402; Dec. 2; Gaz. vol. 197; p. 172.
- Trousers-support. G. D. Jones. No. 1,050,277; Jan. 14; Gaz. vol. 186; p. 359.
- Trousers-supporter. A. R. Fritz. No. 1,059,603; Apr. 22; Gaz. vol. 189; p. 877.
- Trousers-waistband. L. Robinson. No. 1,066,529; July 8; Gaz. vol. 192; p. 247.
- Trowel. G. S. Bricker. No. 1,067,301; July 15; Gaz. vol. 192; p. 550.
- Trowel. J. E. Runner and I. M. Abram. No. 1,074,646; Oct. 7; Gaz. vol. 195; p. 20.
- Trowel. J. B. Runner. No. 1,080,075; Dec. 2; Gaz. vol. 197; p. 55.
- Trowel, Adjustable plastering. C. M. Howg. No. 1,083,099; Dec. 30; Gaz. vol. 197; p. 1217.
- Trowel, Plasterer's. C. Mason and R. J. McKissick. No. 1,055,406; Mar. 11; Gaz. vol. 188; p. 289.
- Trowel, Plasterer's. R. W. Linville. No. 1,063,704; June 3; Gaz. vol. 191; p. 187.
- Troweling compound, Plastic waterproof. A. C. Horn. No. 1,074,364; Sept. 30; Gaz. vol. 194; p. 1044.
- Truck. E. Bell and W. J. Wilkins. No. 1,050,602; Jan. 14; Gaz. vol. 186; p. 473.
- Truck. W. J. McCoy. No. 1,055,933; Mar. 11; Gaz. vol. 188; p. 465.
- Truck. L. Aspy. No. 1,056,729; Mar. 18; Gaz. vol. 188; p. 772.
- Truck. W. C. Carr. No. 1,062,887; May 27; Gaz. vol. 190; p. 903.
- Truck. A. McAllister and T. Logan. No. 1,064,513; June 10; Gaz. vol. 191; p. 495.
- Truck. N. E. Hirsch. No. 1,065,526; June 24; Gaz. vol. 191; p. 905.
- Truck. A. F. Hoos. No. 1,069,653; Aug. 5; Gaz. vol. 193; p. 193.
- Truck. A. Brochu. No. 1,070,323; Aug. 12; Gaz. vol. 193; p. 454.
- Truck. J. E. Muhlfeld. No. 1,073,812; Sept. 23; Gaz. vol. 194; p. 830.
- Truck. G. E. Smouse. No. 1,074,753; Oct. 7; Gaz. vol. 195; p. 58.
- Truck. H. H. Harris. No. 1,081,041; Dec. 9; Gaz. vol. 197; p. 418.
- Truck. E. M. Chapman and C. E. Cowan. No. 1,081,093; Dec. 9; Gaz. vol. 197; p. 434.
- Truck, Agricultural-implement. S. B. Hazard. No. 1,059,362; Apr. 22; Gaz. vol. 189; p. 795.
- Truck and plow, Combined motor. C. W. Clark. No. 1,080,749; Dec. 9; Gaz. vol. 197; p. 320.
- Truck attachment. W. B. Clark. No. 1,059,595; Apr. 22; Gaz. vol. 189; p. 874.

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- Truck, Auto dumping-. E. H. Vincent. No. 1,077,570; Nov. 4; Gaz. vol. 196; p. 115.
- Truck, Automobile-. D. Gerber. No. 1,075,779; Oct. 14; Gaz. vol. 195; p. 436.
- Truck, Baggage-. T. V. Buckwalter. No. 1,072,817; Sept. 9; Gaz. vol. 194; p. 422.
- Truck, Barrel-. L. Willis. No. 1,050,895; Jan. 21; Gaz. vol. 186; p. 607.
- Truck body, Auto-. J. N. Brewster. No. 1,063,115; May 27; Gaz. vol. 190; p. 978.
- Truck body, Motor-. R. S. McKeage. No. 1,082,814; Dec. 30; Gaz. vol. 197; p. 1121.
- Truck-bolster. S. S. Knight. No. 1,053,514; Feb. 18; Gaz. vol. 187; p. 648.
- Truck bolster, Car-. J. M. Rohlfing. No. 1,059,072; Apr. 15; Gaz. vol. 189; p. 660.
- Truck-bolster-damping device. W. G. Price. No. 1,073,625; Sept. 23; Gaz. vol. 194; p. 765.
- Truck-bolster-damping device. W. G. Price. No. 1,073,626; Sept. 23; Gaz. vol. 194; p. 765.
- Truck-bolster-damping device. W. G. Price. No. 1,073,627; Sept. 23; Gaz. vol. 194; p. 765.
- Truck bolster, Railway-car-. A. E. Smith. No. 1,073,178; Sept. 16; Gaz. vol. 194; p. 587.
- Truck brake, Railway-. G. Napier and H. B. Harris. No. 1,079,357; Nov. 25; Gaz. vol. 196; p. 822.
- Truck brake, Six-wheel-car-. C. F. Frede. No. 1,080,206; Dec. 2; Gaz. vol. 197; p. 101.
- Truck, Brick-. W. H. Barnes. No. 1,064,594; June 10; Gaz. vol. 191; p. 522.
- Truck, Car-. W. H. Lewis and J. A. Pilcher. No. 1,054,697; Mar. 4; Gaz. vol. 188; p. 14.
- Truck, Car-. J. Galuska. No. 1,057,818; Apr. 1; Gaz. vol. 189; p. 146.
- Truck, Car-. G. R. Henderson. No. 1,059,295; Apr. 15; Gaz. vol. 189; p. 736.
- Truck, Car-. C. H. Howard and H. M. Pfager. No. 1,060,091; Apr. 29; Gaz. vol. 189; p. 1080.
- Truck, Car-. C. S. Shallenberger and H. M. Pfager. No. 1,060,370; Apr. 29; Gaz. vol. 189; p. 1179.
- Truck, Car-. B. R. Van Kirk. No. 1,060,517; Apr. 29; Gaz. vol. 189; p. 1230.
- Truck, Car-. C. H. Howard and H. M. Pfager. No. 1,061,078; May 6; Gaz. vol. 190; p. 178.
- Truck, Car-. G. C. Towle. No. 1,061,146; May 6; Gaz. vol. 190; p. 201.
- Truck, Car-. W. C. Schade. No. 1,063,740; June 3; Gaz. vol. 191; p. 198.
- Truck, Car-. C. T. Westlake. (Reissue.) No. 13,576; June 10; Gaz. vol. 191; p. 562.
- Truck, Car-. J. C. Barber. No. 1,065,018; June 17; Gaz. vol. 191; p. 697.
- Truck, Car-. J. A. Brooks. No. 1,066,790; July 8; Gaz. vol. 192; p. 339.
- Truck, Car-. C. H. Howard and H. M. Pfager. No. 1,066,819; July 8; Gaz. vol. 192; p. 348.
- Truck, Car-. H. M. Pfager. No. 1,068,529; July 29; Gaz. vol. 192; p. 1038.
- Truck, Car-. C. J. W. Clasen. No. 1,070,325; Aug. 12; Gaz. vol. 193; p. 455.
- Truck, Car-. J. A. Brooks. No. 1,071,694; Sept. 2; Gaz. vol. 194; p. 8.
- Truck, Car-. H. M. Pfager. No. 1,072,645; Sept. 9; Gaz. vol. 194; p. 361.
- Truck, Car-. H. H. Hewitt. No. 1,072,721; Sept. 9; Gaz. vol. 194; p. 387.
- Truck, Car-. H. H. Hewitt. No. 1,072,722; Sept. 9; Gaz. vol. 194; p. 388.
- Truck, Car-. H. H. Hewitt. No. 1,072,723; Sept. 9; Gaz. vol. 194; p. 388.
- Truck, Car-. H. H. Hewitt. No. 1,072,724; Sept. 9; Gaz. vol. 194; p. 388.
- Truck, Car-. H. H. Hewitt. No. 1,072,725; Sept. 9; Gaz. vol. 194; p. 389.
- Truck, Car-. J. C. Barber. No. 1,073,654; Sept. 23; Gaz. vol. 194; p. 776.
- Truck, Car-. W. H. Heulings, Jr. No. 1,074,322; Sept. 30; Gaz. vol. 194; p. 1030.
- Truck, Car-. G. C. Towle. No. 1,074,479; Sept. 30; Gaz. vol. 194; p. 1082.
- Truck, Car-. W. H. Nunamacher. No. 1,074,811; Oct. 7; Gaz. vol. 195; p. 76.
- Truck, Car-. W. S. Adams. No. 1,076,009; Oct. 14; Gaz. vol. 195; p. 516.
- Truck, Car-. W. S. Adams. No. 1,077,026; Oct. 28; Gaz. vol. 195; p. 954.
- Truck, Car-. W. S. Adams. No. 1,077,184; Oct. 28; Gaz. vol. 195; p. 1002.
- Truck, Car-. C. T. Westlake. No. 1,078,648; Nov. 18; Gaz. vol. 196; p. 546.
- Truck, Car-. W. F. Kiesel, Jr. No. 1,079,178; Nov. 18; Gaz. vol. 196; p. 732.
- Truck, Car-. J. C. Whitridge and G. T. Johnson. No. 1,079,199; Nov. 18; Gaz. vol. 196; p. 740.
- Truck, Car-. C. T. Westlake. No. 1,079,458; Nov. 25; Gaz. vol. 196; p. 856.
- Truck, Car-. C. T. Westlake. No. 1,079,459; Nov. 25; Gaz. vol. 196; p. 857.
- Truck, Car-. E. Posson. No. 1,080,654; Dec. 9; Gaz. vol. 197; p. 286.
- Truck, Charge-receiving. S. C. Monberg. No. 1,062,492; May 20; Gaz. vol. 190; p. 731.
- Truck, Compensating. W. Ferris. No. 1,075,096; Oct. 7; Gaz. vol. 195; p. 175.
- Truck connection. E. Stevens. No. 1,079,318; Nov. 18; Gaz. vol. 196; p. 777.
- Truck construction. C. H. Howard and H. M. Pfager. No. 1,080,555; Dec. 9; Gaz. vol. 197; p. 254.
- Truck construction. C. H. Howard and H. M. Pfager. No. 1,080,556; Dec. 9; Gaz. vol. 197; p. 254.
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- Truck construction. C. H. Howard and H. M. Pfager. No. 1,080,558; Dec. 9; Gaz. vol. 197; p. 255.
- Truck construction. C. H. Howard and H. M. Pfager. No. 1,080,559; Dec. 9; Gaz. vol. 197; p. 255.
- Truck construction, Car-. W. M. Duncan. No. 1,074,317; Sept. 30; Gaz. vol. 194; p. 1029.
- Truck-counting apparatus, Loaded-. R. McGahey. No. 1,074,002; Sept. 23; Gaz. vol. 194; p. 896.
- Truck, Delivery-. W. Lytton and J. Tedford. No. 1,082,164; Dec. 23; Gaz. vol. 197; p. 860.
- Truck, Dumping-. R. H. White. No. 1,069,749; Aug. 12; Gaz. vol. 193; p. 258.
- Truck, Electric motor-. C. H. Howard and H. M. Pfager. No. 1,060,092; Apr. 29; Gaz. vol. 189; p. 1080.
- Truck, Electric motor-. C. F. Frede. No. 1,061,281; May 13; Gaz. vol. 190; p. 281.
- Truck, Electric-railway. W. L. Boyer. No. 1,079,389; Nov. 25; Gaz. vol. 196; p. 833.
- Truck, Elevating-. W. R. Metz. No. 1,065,161; June 17; Gaz. vol. 191; p. 743.
- Truck, Fire-ladder. A. D. Crossley. No. 1,076,104; Oct. 21; Gaz. vol. 195; p. 577.
- Truck for crane-trolleys, Equalizing-. C. H. Tucker. No. 1,050,499; Jan. 14; Gaz. vol. 186; p. 438.
- Truck for forming and depositing shocks. G. Marshall. No. 1,073,917; Sept. 23; Gaz. vol. 194; p. 867.
- Truck for geared locomotives, Multiple-wheeled. L. E. Feightner. No. 1,075,772; Oct. 14; Gaz. vol. 195; p. 434.
- Truck for locomotives, Rear swing-. K. Rushton and E. M. Shannon. No. 1,060,499; Apr. 29; Gaz. vol. 189; p. 1224.
- Truck for railway rolling-stock. W. E. Woodard. No. 1,060,222; Apr. 29; Gaz. vol. 189; p. 1126.
- Truck for vehicles, Elevating-. A. Thomas. No. 1,064,871; June 17; Gaz. vol. 191; p. 650.
- Truck-frame. R. B. Sheridan. No. 1,070,545; Aug. 19; Gaz. vol. 193; p. 573.
- Truck frame, Car-. C. H. Howard and H. M. Pfager. No. 1,052,483; Feb. 11; Gaz. vol. 187; p. 251.
- Truck frame, Car-. C. H. Howard and H. M. Pfager. No. 1,052,922; Feb. 11; Gaz. vol. 187; p. 401.
- Truck-frames, Producing. I. A. Randel. No. 1,076,645; Oct. 21; Gaz. vol. 195; p. 767.
- Truck, Lateral-motion car-. W. H. Wilson. No. 1,057,990; Apr. 1; Gaz. vol. 189; p. 202.
- Truck, Locomotive-. A. F. Batchelder. No. 1,060,734; May 6; Gaz. vol. 190; p. 59.
- Truck, Locomotive-. H. F. Ball. No. 1,074,154; Sept. 30; Gaz. vol. 194; p. 974.
- Truck, Locomotive-. A. F. Batchelder. No. 1,081,292; Dec. 16; Gaz. vol. 197; p. 540.
- Truck mechanism, Folding jack. E. G. and A. E. Quickel. No. 1,064,538; June 10; Gaz. vol. 191; p. 503.
- Truck, Motor-. H. S. Riddle. No. 1,054,314; Feb. 25; Gaz. vol. 187; p. 955.
- Truck, Motor-. W. W. Jones. No. 1,057,844; Apr. 1; Gaz. vol. 189; p. 154.
- Truck, Motor-. C. E. F. Ahlm and C. E. Cochran. No. 1,069,991; Aug. 12; Gaz. vol. 193; p. 339.
- Truck, Motor-. F. M. Prettyman. No. 1,083,134; Dec. 30; Gaz. vol. 197; p. 1227.
- Truck, Motor-. F. M. Prettyman. No. 1,083,135; Dec. 30; Gaz. vol. 197; p. 1227.
- Truck, Passenger-car. R. W. Burnett. No. 1,061,263; May 13; Gaz. vol. 190; p. 275.
- Truck, Radiator-. R. Irwin. No. 1,072,234; Sept. 2; Gaz. vol. 194; p. 191.
- Truck, Railway-. A. L. Hastings. No. 1,064,684; June 10; Gaz. vol. 191; p. 553.
- Truck, Railway-car. W. H. Armstrong. No. 1,059,102; Apr. 15; Gaz. vol. 189; p. 671.
- Truck, Railway-car. W. F. Richards. No. 1,081,405; Dec. 16; Gaz. vol. 197; p. 579.
- Truck, Railway-car. W. F. Richards. No. 1,081,406; Dec. 16; Gaz. vol. 197; p. 579.
- Truck, Railway-station. J. A. Murphey. No. 1,077,738; Nov. 4; Gaz. vol. 196; p. 170.
- Truck-reel for conductor-wires. T. R. Jenkins, Jr. No. 1,079,299; Nov. 18; Gaz. vol. 196; p. 770.
- Truck safety attachment. A. Russell. No. 1,060,129; Apr. 29; Gaz. vol. 189; p. 1093.
- Truck-shield. A. Manteau. No. 1,072,965; Sept. 9; Gaz. vol. 194; p. 478.
- Truck side frame. H. F. Pope. No. 1,064,003; June 10; Gaz. vol. 191; p. 320.

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- Truck side frame. A. E. Ostrander. No. 1,066,521; July 8; Gaz. vol. 192; p. 244.
- Truck side frame. G. Komarek. No. 1,068,668; July 29; Gaz. vol. 192; p. 1087.
- Truck side frame. G. Komarek. No. 1,068,669; July 29; Gaz. vol. 192; p. 1088.
- Truck side frame. G. Komarek. No. 1,068,670; July 29; Gaz. vol. 192; p. 1088.
- Truck side frame and journal-box. Car. J. M. Rohlfing. No. 1,050,848; Jan. 21; Gaz. vol. 186; p. 590.
- Truck side frame. Car. G. Komarek. No. 1,050,955; Jan. 21; Gaz. vol. 186; p. 628.
- Truck side frame. Car. A. M. Nepper. No. 1,053,856; Feb. 18; Gaz. vol. 187; p. 763.
- Truck side frame. Car. A. C. Murphy. No. 1,058,087; Apr. 8; Gaz. vol. 189; p. 281.
- Truck side frame. Car. A. L. Hastings. No. 1,061,611; May 13; Gaz. vol. 190; p. 397.
- Truck side frame. Car. C. D. Young. No. 1,071,127; Aug. 26; Gaz. vol. 193; p. 800.
- Truck side frame. Car. W. D. Forsyth. No. 1,080,523; Dec. 2; Gaz. vol. 197; p. 212.
- Truck side frame. Forged car. W. D. Forsyth. No. 1,063,867; June 3; Gaz. vol. 191; p. 238.
- Truck side frame. Railway. A. L. Hastings. No. 1,066,610; July 8; Gaz. vol. 192; p. 276.
- Truck, Six-wheel. W. C. Hedgcock. No. 1,070,466; Aug. 19; Gaz. vol. 193; p. 545.
- Truck-steering mechanism. H. H. Harris. No. 1,069,417; Aug. 5; Gaz. vol. 193; p. 116.
- Truck, Storage-battery. B. M. Smith. No. 1,067,625; July 15; Gaz. vol. 192; p. 659.
- Trucks, Apparatus for assembling car. A. C. Vauchlain. No. 1,059,789; Apr. 22; Gaz. vol. 189; p. 939.
- Trucks, Bolster-guide plate for railway-car. A. Copony. No. 1,073,333; Sept. 16; Gaz. vol. 194; p. 643.
- Trucks, Brake arrangement for six-wheel. W. H. Lewis and J. A. Pilcher. No. 1,068,674; July 29; Gaz. vol. 192; p. 1089.
- Trucks, Counterbalanced unloading device for. F. A. Cook. No. 1,061,223; May 6; Gaz. vol. 190; p. 226.
- Trucks, Dynamo-suspension bar for car. C. H. Howard and H. M. Pfleger. No. 1,068,657; July 29; Gaz. vol. 192; p. 1084.
- Trucks, Life-guard for railway. H. H. Lawrence. No. 1,065,055; June 17; Gaz. vol. 191; p. 708.
- Trunk. G. H. Wheary. No. 1,051,938; Feb. 4; Gaz. vol. 187; p. 32.
- Trunk. V. Paler. No. 1,062,496; May 20; Gaz. vol. 190; p. 733.
- Trunk. N. Goldsmith. No. 1,075,783; Oct. 14; Gaz. vol. 195; p. 437.
- Trunk and dresser, Wardrobe. H. W. Rountree. No. 1,060,497; Apr. 29; Gaz. vol. 189; p. 1223.
- Trunk and the like, Traveling. G. Brinckmann. No. 1,080,255; Dec. 2; Gaz. vol. 197; p. 118.
- Trunk attachment. J. J. Earley. No. 1,056,648; Mar. 18; Gaz. vol. 188; p. 745.
- Trunk-binder. W. I. Bray. No. 1,081,657; Dec. 16; Gaz. vol. 197; p. 661.
- Trunk, Convertible. C. M. Gordon-Glassford. No. 1,057,723; Apr. 1; Gaz. vol. 189; p. 112.
- Trunk-fastener. R. B. Ferguson. No. 1,077,195; Oct. 28; Gaz. vol. 195; p. 1006.
- Trunk-fastener. W. D. Barnes. No. 1,080,409; Dec. 2; Gaz. vol. 197; p. 174.
- Trunk fastening and lashing device. C. Foster and J. Raynor. No. 1,066,482; July 8; Gaz. vol. 192; p. 230.
- Trunk, Sectional. A. J. Gunn. No. 1,080,056; Dec. 2; Gaz. vol. 197; p. 48.
- Trunk-strap. F. C. Isitt. No. 1,077,716; Nov. 4; Gaz. vol. 196; p. 162.
- Trunk-strap and buckle. D. Goldsmith. No. 1,066,725; July 8; Gaz. vol. 192; p. 318.
- Trunk-tray support. E. F. Rose and I. E. Casteel. No. 1,061,010; May 6; Gaz. vol. 190; p. 156.
- Trunk, Wardrobe. G. H. Wheary. No. 1,051,936; Feb. 4; Gaz. vol. 187; p. 31.
- Trunk, Wardrobe. G. H. Wheary. No. 1,051,937; Feb. 4; Gaz. vol. 187; p. 31.
- Trunk, Wardrobe. G. H. Wheary. No. 1,057,195; Mar. 25; Gaz. vol. 188; p. 963.
- Trunk, Wardrobe. F. R. Bolz. No. 1,076,479; Oct. 21; Gaz. vol. 195; p. 707.
- Trunk, Wardrobe. M. Cherry, Jr. No. 1,078,715; Nov. 18; Gaz. vol. 196; p. 571.
- Trunk, Wardrobe. E. W. Hawley. No. 1,083,012; Dec. 30; Gaz. vol. 197; p. 1188.
- Trunk, &c., with lids. A. Forbes. No. 1,079,981; Dec. 2; Gaz. vol. 197; p. 21.
- Trunks and similar receptacles, Manufacture of traveling. R. Studdert. No. 1,083,154; Dec. 30; Gaz. vol. 197; p. 1232.
- Truss. F. Dassori. No. 1,049,813; Jan. 7; Gaz. vol. 186; p. 169.
- Truss. M. B. Smyth. No. 1,051,286; Jan. 21; Gaz. vol. 186; p. 740.
- Truss. J. T. Haile. No. 1,051,325; Jan. 21; Gaz. vol. 186; p. 753.
- Truss. A. M. Hurel. No. 1,062,158; May 20; Gaz. vol. 190; p. 620.
- Truss. H. V. Appley. No. 1,072,804; Sept. 9; Gaz. vol. 194; p. 417.
- Truss. C. Cluthe. No. 1,073,216; Sept. 16; Gaz. vol. 194; p. 601.
- Truss. T. Amendold. No. 1,081,189; Dec. 9; Gaz. vol. 197; p. 467.
- Truss apparatus. J. M. Dunn. No. 1,082,153; Dec. 23; Gaz. vol. 197; p. 857.
- Truss-brace. E. J. Frederick. No. 1,050,057; Jan. 7; Gaz. vol. 186; p. 251.
- Truss-pad. A. Speirs. No. 1,056,227; Mar. 18; Gaz. vol. 188; p. 600.
- Truss-pad. C. Simanek and A. Steidl. No. 1,057,464; Apr. 1; Gaz. vol. 189; p. 23.
- Truss-pad. F. L. McWethy. No. 1,072,970; Sept. 9; Gaz. vol. 194; p. 479.
- Truss-pad supporter. C. Cluthe, Sr. No. 1,063,009; May 27; Gaz. vol. 190; p. 943.
- Truss-rod anchor. J. M. Ames. No. 1,078,235; Nov. 11; Gaz. vol. 196; p. 372.
- Trusses, Holding-pad for rupture. C. Cluthe. No. 1,073,217; Sept. 16; Gaz. vol. 194; p. 602.
- Tub. See Bath-tub; Bed-tub.
- Tub-support. Detachable. H. H. Held. No. 1,058,301; Apr. 8; Gaz. vol. 189; p. 355.
- Tubs, &c., Appliance for emptying. G. W. Brown. No. 1,068,102; July 22; Gaz. vol. 192; p. 852.
- Tube. See Adjustable tube; Blasting-tube; Collapsible tube; Developing-tube; Flexible tube; Liquid-heating tube; Paper tube; Rectal tube; Tracheal tube; Vacuum-tube; Valve-tube; Wind-shield tube; X-ray tube.
- Tube-bending machine. J. Ruckstinat. No. 1,055,358; Mar. 11; Gaz. vol. 188; p. 273.
- Tube-clamp. W. E. Payne. No. 1,055,552; Mar. 11; Gaz. vol. 188; p. 337.
- Tube-cleaner. A. Ashton. No. 1,058,521; Apr. 8; Gaz. vol. 189; p. 432.
- Tube-cleaner. T. Andrews. No. 1,068,203; July 22; Gaz. vol. 192; p. 888.
- Tube-cleaner. T. Andrews. No. 1,068,292; July 22; Gaz. vol. 192; p. 920.
- Tube-cleaner. H. B. Holt. No. 1,071,157; Aug. 26; Gaz. vol. 193; p. 809.
- Tube-cleaner motor-casing. C. Manthey. No. 1,055,197; Mar. 4; Gaz. vol. 188; p. 182.
- Tube-cleaners, Rotary motor for. T. Andrews. No. 1,068,293; July 22; Gaz. vol. 192; p. 920.
- Tube cleaning and polishing apparatus. F. Crane. No. 1,056,403; Mar. 18; Gaz. vol. 188; p. 658.
- Tube-cleaning machine. K. Matheus. No. 1,082,544; Dec. 30; Gaz. vol. 197; p. 1024.
- Tube-cleansing apparatus. S. C. Laidley. No. 1,056,696; Mar. 18; Gaz. vol. 188; p. 760.
- Tube-coiling machine. J. E. Lewis. No. 1,075,045; Oct. 7; Gaz. vol. 195; p. 157.
- Tube-coupling. S. G. Forst. No. 1,081,226; Dec. 9; Gaz. vol. 197; p. 480.
- Tube-coupling, Swivel. H. Cassidy. No. 1,075,693; Oct. 14; Gaz. vol. 195; p. 407.
- Tube-cutter. O. Wiedeke. No. 1,082,984; Dec. 30; Gaz. vol. 197; p. 1179.
- Tube-cutting mechanism. W. A. Lorenz. No. 1,075,836; Oct. 14; Gaz. vol. 195; p. 456.
- Tube-cutting tool. J. Sternad. No. 1,069,986; Aug. 12; Gaz. vol. 193; p. 338.
- Tube-expander. J. C. Tassey. No. 1,055,571; Mar. 11; Gaz. vol. 188; p. 343.
- Tube-expander. J. P. Kerrigen. No. 1,077,837; Nov. 4; Gaz. vol. 196; p. 203.
- Tube-extractor. R. Jentzsch. No. 1,083,103; Dec. 30; Gaz. vol. 197; p. 1218.
- Tube-finishing machine, Collapsible. F. Knupfer. No. 1,076,985; Oct. 28; Gaz. vol. 195; p. 939.
- Tube forming and sheathing apparatus. F. N. Palmer. No. 1,080,925; Dec. 9; Gaz. vol. 197; p. 382.
- Tube-heating apparatus. C. Vallone and F. R. Rogers. No. 1,052,863; Feb. 11; Gaz. vol. 187; p. 380.
- Tube holder, Collapsible. F. A. Goppelt, Jr. No. 1,072,940; Sept. 9; Gaz. vol. 194; p. 469.
- Tube-machine. B. K. Ford. No. 1,059,045; Apr. 15; Gaz. vol. 189; p. 651.
- Tube-machine. J. R. Harbeck. No. 1,065,681; June 24; Gaz. vol. 191; p. 958.
- Tube-making machine. E. G. Dean. No. 1,054,961; Mar. 4; Gaz. vol. 188; p. 103.
- Tube-making machine. E. H. Powers. No. 1,054,984; Mar. 4; Gaz. vol. 188; p. 112.
- Tube-making machine. A. B. Starr. No. 1,077,764; Nov. 4; Gaz. vol. 196; p. 180.
- Tube-manufacturing machine. A. E. and G. Lawton. No. 1,070,268; Aug. 12; Gaz. vol. 193; p. 434.
- Tube-mill. W. B. Easton. No. 1,058,953; Apr. 15; Gaz. vol. 189; p. 619.
- Tube-mill lining. T. W. Capen. No. 1,053,084; Feb. 11; Gaz. vol. 187; p. 456.
- Tube-mill lining. W. A. White and W. F. Schmidt. No. 1,068,289; July 22; Gaz. vol. 192; p. 919.

Alphabetical list of inventions—Continued.

- Tube-pointing machine. D. L. Summey. No. 1,070,379; Aug. 12; Gaz. vol. 193; p. 474.
- Tube-pulling device. G. W. Fair. No. 1,070,124; Aug. 12; Gaz. vol. 193; p. 385.
- Tube-splicing device, Elastic-. E. A. Franklin. No. 1,081,299; Dec. 16; Gaz. vol. 197; p. 543.
- Tube-stays, Machine for applying soft-metal. S. H. Fleming and O. A. Langos. No. 1,051,095; Jan. 21; Gaz. vol. 186; p. 677.
- Tube-straightening machine. J. Rowe. No. 1,060,365; Apr. 29; Gaz. vol. 189; p. 1177.
- Tube-surfacing device. M. Piersteien. No. 1,056,212; Mar. 18; Gaz. vol. 188; p. 595.
- Tube-swage. A. J. St. Mars. No. 1,051,777; Jan. 28; Gaz. vol. 186; p. 937.
- Tube-welding machine. G. Ostermann. No. 1,076,641; Oct. 21; Gaz. vol. 195; p. 766.
- Tube-winding machine. J. Nazel. No. 1,081,510; Dec. 16; Gaz. vol. 197; p. 615.
- Tubes, &c., Automatic adjusting mechanism for reelers for. G. H. Blaxter. No. 1,059,821; Apr. 22; Gaz. vol. 189; p. 949.
- Tubes, Forming. J. R. Harbeck. No. 1,072,715; Sept. 9; Gaz. vol. 194; p. 386.
- Tubes from fibrous material, Machine for making. J. E. Lappen. No. 1,079,774; Nov. 25; Gaz. vol. 196; p. 968.
- Tubes, Holding and expelling device for collapsible. S. E. Williams and T. A. Campbell. No. 1,073,007; Sept. 9; Gaz. vol. 194; p. 493.
- Tubes, Machine for forming conical. H. R. Heyl. No. 1,060,455; Apr. 29; Gaz. vol. 189; p. 1208.
- Tubes, Machine for internally coating. J. R. Harbeck. No. 1,051,103; Jan. 21; Gaz. vol. 186; p. 680.
- Tubes, Making seamless. G. H. Blaxter. No. 1,076,545; Oct. 21; Gaz. vol. 195; p. 730.
- Tubes, Manufacture of seamless. S. E. Diescher. No. 1,056,326; Mar. 18; Gaz. vol. 188; p. 632.
- Tubes, Manufacture of seamless. S. E. Diescher. No. 1,067,806; July 22; Gaz. vol. 192; p. 753.
- Tubes, Means for loosening the tube from the mandrel in the manufacture of. K. R. Westin. No. 1,068,549; July 29; Gaz. vol. 192; p. 1045.
- Tubes out of an ingot, Hydraulic press for making. W. Astfalck. No. 1,049,641; Jan. 7; Gaz. vol. 186; p. 111.
- Tubes, Process and apparatus for cross-rolling and expanding. R. C. Stiefel. No. 1,077,013; Oct. 28; Gaz. vol. 195; p. 949.
- Tubes, Process and apparatus for piercing and rolling. R. C. Stiefel. No. 1,077,014; Oct. 28; Gaz. vol. 195; p. 949.
- Tubes, Producing. H. Ehrhardt. No. 1,059,354; Apr. 22; Gaz. vol. 189; p. 793.
- Tubes, Reeling. G. H. Blaxter. No. 1,059,955; Apr. 22; Gaz. vol. 189; p. 992.
- Tubes with lead, tin, or the like, Apparatus for lining. P. Theuerkorn. No. 1,078,387; Nov. 11; Gaz. vol. 196; p. 428.
- Tubing, Blank for making perforated. M. E. Layne. No. 1,053,614; Feb. 18; Gaz. vol. 187; p. 683.
- Tubing, Brazing. H. Higgin. No. 1,052,820; Feb. 11; Gaz. vol. 187; p. 366.
- Tubing-catcher. T. E. D. Crumpton. No. 1,066,000; July 1; Gaz. vol. 192; p. 34.
- Tubing, Flexible. H. S. Hubbell. No. 1,053,394; Feb. 18; Gaz. vol. 187; p. 606.
- Tubing, Flexible. C. Fischer. No. 1,055,262; Mar. 4; Gaz. vol. 188; p. 202.
- Tubing, Flexible. C. Fischer. No. 1,055,263; Mar. 4; Gaz. vol. 188; p. 202.
- Tubing, Flexible. R. and W. P. Abell. No. 1,068,553; July 29; Gaz. vol. 192; p. 1046.
- Tubing, Flexible metallic. W. Berryman and A. Redgrave. No. 1,064,432; June 10; Gaz. vol. 191; p. 468.
- Tubing for boring. E. Frankignoul. No. 1,052,809; Feb. 11; Gaz. vol. 187; p. 362.
- Tubing joint-forming device, Sheet-metal-. F. J. Feldt. No. 1,050,766; Jan. 14; Gaz. vol. 186; p. 525.
- Tubing, Manufacture of double helical metallic. H. J. Davies and T. A. Judge. No. 1,080,897; Dec. 9; Gaz. vol. 197; p. 372.
- Tubular body such as a pipe, hollow mast, or the like. H. Siegwart. No. 1,076,611; Oct. 21; Gaz. vol. 195; p. 754.
- Tubular carrier. F. O. Hoagland. No. 1,073,348; Sept. 16; Gaz. vol. 194; p. 649.
- Tubular devices, Mount for. J. H. Abbott. No. 1,054,160; Feb. 25; Gaz. vol. 187; p. 904.
- Tubular fabric. E. Cardot. No. 1,062,143; May 20; Gaz. vol. 190; p. 615.
- Tubular fabrics, Machine for making. A. Petersen. No. 1,072,984; Sept. 9; Gaz. vol. 194; p. 485.
- Tubular kiln, Revolving. L. Bahler. No. 1,062,946; May 27; Gaz. vol. 190; p. 923.
- Tubular structure. J. L. Moore. No. 1,061,487; May 13; Gaz. vol. 190; p. 352.
- Tuberculosis and making said substance, Substance for treatment of. B. S. Paschall. No. 1,078,873; Nov. 18; Gaz. vol. 196; p. 626.
- Tuffing-machine. B. F. Mohr. No. 1,052,503; Feb. 11; Gaz. vol. 187; p. 258.
- Tufts, Apparatus for making. A. Rosenberg. No. 1,063,288; June 3; Gaz. vol. 191; p. 41.
- Tug and trace fastener. W. E. Seelye. No. 1,082,215; Dec. 23; Gaz. vol. 197; p. 878.
- Tug-hame. J. F. Schoellkopf. No. 1,071,468; Aug. 26; Gaz. vol. 193; p. 913.
- Tug-strap connection. W. Sherard. No. 1,067,846; July 22; Gaz. vol. 192; p. 767.
- Tug, Thill-. P. Lestrade. No. 1,049,881; Jan. 7; Gaz. vol. 186; p. 191.
- Tug, Thill-. J. H. Trostel. No. 1,059,410; Apr. 22; Gaz. vol. 189; p. 812.
- Tumbler-washer. T. G. Strator, Jr. No. 1,072,528; Sept. 9; Gaz. vol. 194; p. 321.
- Tumbling-barrel. F. E. Warner. No. 1,073,945; Sept. 23; Gaz. vol. 194; p. 876.
- Tungsten and alloys thereof, Preparing. F. M. Becket. No. 1,081,567; Dec. 16; Gaz. vol. 197; p. 633.
- Tungsten and alloys thereof, Preparing. F. M. Becket. No. 1,081,568; Dec. 16; Gaz. vol. 197; p. 633.
- Tungsten and alloys thereof, Preparing. F. M. Becket. No. 1,081,570; Dec. 16; Gaz. vol. 197; p. 633.
- Tungsten and making the same for use as filaments of incandescent electric lamps and for other purposes. W. D. Coolidge. No. 1,082,933; Dec. 30; Gaz. vol. 197; p. 1162.
- Tungsten ores, Treating. F. M. Becket. No. 1,081,566; Dec. 16; Gaz. vol. 197; p. 632.
- Tungsten ores, Treating. F. M. Becket. No. 1,081,571; Dec. 16; Gaz. vol. 197; p. 633.
- Tungsten, Treating. C. T. Fuller. No. 1,077,827; Nov. 4; Gaz. vol. 196; p. 200.
- Tungsten, Working. C. T. Fuller. No. 1,077,696; Nov. 4; Gaz. vol. 196; p. 156.
- Tungstous oxids, Producing fine. K. Farkas. No. 1,061,058; May 6; Gaz. vol. 190; p. 173.
- Tuning-coil, Loose-coupled. A. C. Gowing and M. C. Spencer. No. 1,083,085; Dec. 30; Gaz. vol. 197; p. 1212.
- Tuning reeds, Device for. R. Hope-Jones. No. 1,059,365; Apr. 22; Gaz. vol. 189; p. 796.
- Tunnel construction. F. Bradley. No. 1,065,502; June 24; Gaz. vol. 191; p. 897.
- Tunnel-driving machine. G. F. Speer. No. 1,072,050; Sept. 2; Gaz. vol. 194; p. 130.
- Tunnel-form. C. D. McArthur. No. 1,082,700; Dec. 30; Gaz. vol. 197; p. 1081.
- Tunnel-furnace. A. Ramén. No. 1,051,634; Jan. 28; Gaz. vol. 186; p. 891.
- Tunnel-furnace. A. Ramén. No. 1,062,606; May 27; Gaz. vol. 190; p. 811.
- Tunnel-head. J. Christie. No. 1,058,550; Apr. 8; Gaz. vol. 189; p. 442.
- Tunnels, Building subaqueous. D. D. McBean and H. M. Chance. No. 1,060,271; Apr. 29; Gaz. vol. 189; p. 1143.
- Tunnels, Constructing subaqueous. J. S. Williams. No. 1,072,068; Sept. 2; Gaz. vol. 194; p. 136.
- Tunneling-machine. N. Ebbley. No. 1,075,027; Oct. 7; Gaz. vol. 195; p. 151.
- Tunneling-machine. H. H. Born and H. A. Recen. No. 1,081,524; Dec. 16; Gaz. vol. 197; p. 619.
- Turbine. G. H. Plaine. No. 1,050,488; Jan. 14; Gaz. vol. 186; p. 434.
- Turbine. G. B. Collier. No. 1,050,918; Jan. 21; Gaz. vol. 186; p. 616.
- Turbine. J. H., Sr., and J. H. Cortesey, Jr. No. 1,052,800; Feb. 11; Gaz. vol. 187; p. 359.
- Turbine. J. L. Moore. No. 1,054,134; Feb. 25; Gaz. vol. 187; p. 894.
- Turbine. P. P. Pierce. No. 1,058,790; Apr. 15; Gaz. vol. 189; p. 560.
- Turbine. N. Tesla. No. 1,061,206; May 6; Gaz. vol. 190; p. 221.
- Turbine. R. H. Rice. No. 1,061,688; May 13; Gaz. vol. 190; p. 424.
- Turbine. W. G. Walker. No. 1,063,089; May 27; Gaz. vol. 190; p. 970.
- Turbine. M. A. Ross. No. 1,065,317; June 17; Gaz. vol. 191; p. 796.
- Turbine. M. A. Ross. No. 1,065,318; June 17; Gaz. vol. 191; p. 796.
- Turbine. W. W. Wonner. No. 1,065,571; June 24; Gaz. vol. 191; p. 921.
- Turbine. A. Gosling. No. 1,066,106; July 1; Gaz. vol. 192; p. 71.
- Turbine. S. Z. De Ferranti. No. 1,066,478; July 8; Gaz. vol. 192; p. 229.
- Turbine. C. D. Proffitt. No. 1,066,746; July 8; Gaz. vol. 192; p. 392.
- Turbine. E. Anderson. No. 1,072,295; Sept. 2; Gaz. vol. 194; p. 211.
- Turbine. E. Josse. No. 1,072,953; Sept. 9; Gaz. vol. 194; p. 473.
- Turbine. C. T. Owens. No. 1,074,738; Oct. 7; Gaz. vol. 195; p. 52.
- Turbine. E. Anderson. No. 1,076,733; Oct. 28; Gaz. vol. 195; p. 849.
- Turbine. J. A. Groshon. No. 1,082,267; Dec. 23; Gaz. vol. 197; p. 898.

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- Turbine and governing mechanism therefor, Steam-. L. Cubellie and G. Forner. No. 1,063,511; June 3; Gaz. vol. 191; p. 115.
- Turbine, Axial-flow steam-. C. B. Rearick. No. 1,077,300; Nov. 4; Gaz. vol. 190; p. 20.
- Turbine-blade. W. B. Flanders. No. 1,050,119; Jan. 14; Gaz. vol. 186; p. 805.
- Turbine-blade. C. N. F. Knape. No. 1,061,754; May 13; Gaz. vol. 190; p. 445.
- Turbine blade, Steam-. H. J. Richter. No. 1,062,737; May 27; Gaz. vol. 190; p. 853.
- Turbine blade, Steam-. E. Imle. No. 1,072,233; Sept. 2; Gaz. vol. 194; p. 191.
- Turbine blade, Steam-. A. B. Owen and T. Hall. No. 1,073,623; Sept. 23; Gaz. vol. 194; p. 764.
- Turbine-blading. O. Banner. No. 1,068,622; July 29; Gaz. vol. 192; p. 1172.
- Turbine-buckets, Machine for milling. J. F. Lyons. No. 1,081,242; Dec. 9; Gaz. vol. 197; p. 484.
- Turbine-buckets, Mounting. W. F. Rice. No. 1,064,170; June 10; Gaz. vol. 191; p. 377.
- Turbine, Compound fluid-pressure. L. Métais. No. 1,068,000; July 22; Gaz. vol. 192; p. 818.
- Turbine-controlling mechanism. W. B. Flanders. No. 1,082,689; Dec. 30; Gaz. vol. 197; p. 1076.
- Turbine diaphragm and nozzle construction. O. Junggren. No. 1,061,675; May 13; Gaz. vol. 190; p. 419.
- Turbine, Elastic-fluid. P. Wagner. No. 1,049,784; Jan. 7; Gaz. vol. 186; p. 159.
- Turbine, Elastic-fluid. F. Hodgkinson and W. A. Bole. No. 1,050,136; Jan. 14; Gaz. vol. 186; p. 311.
- Turbine, Elastic-fluid. T. J. Loftus. No. 1,057,002; Mar. 25; Gaz. vol. 188; p. 896.
- Turbine, Elastic-fluid. G. Forner. No. 1,061,737; May 13; Gaz. vol. 190; p. 440.
- Turbine, Elastic-fluid. G. Westinghouse. No. 1,061,792; May 13; Gaz. vol. 190; p. 456.
- Turbine, Elastic-fluid. W. J. A. London. No. 1,061,856; May 13; Gaz. vol. 190; p. 474.
- Turbine, Elastic-fluid. O. Junggren. No. 1,063,692; June 3; Gaz. vol. 191; p. 182.
- Turbine, Elastic-fluid. C. E. and F. R. Long. No. 1,068,596; July 29; Gaz. vol. 192; p. 1062.
- Turbine, Elastic-fluid. C. B. Rearick. No. 1,069,177; Aug. 5; Gaz. vol. 193; p. 31.
- Turbine, Elastic-fluid. C. G. Curtis. No. 1,071,887; Sept. 2; Gaz. vol. 194; p. 75.
- Turbine, Elastic-fluid. E. Josse and P. Christlein. No. 1,073,421; Sept. 16; Gaz. vol. 194; p. 674.
- Turbine, Elastic-fluid. F. J. Wilke. No. 1,075,528; Oct. 14; Gaz. vol. 195; p. 351.
- Turbine, Elastic-fluid. S. Z. de Ferranti. No. 1,082,741; Dec. 30; Gaz. vol. 197; p. 1095.
- Turbine-engine, Gasolene. F. C. Johnson. No. 1,069,552; Aug. 5; Gaz. vol. 193; p. 160.
- Turbine-engine, Internal-combustion. W. C. Cooper. No. 1,064,962; June 17; Gaz. vol. 191; p. 679.
- Turbine, Expansible-fluid. B. S. Church and A. B. Cox. No. 1,076,952; Oct. 28; Gaz. vol. 195; p. 928.
- Turbine, Explosive-. J. F. Sandell. No. 1,067,555; July 15; Gaz. vol. 192; p. 635.
- Turbine, Fluid-. M. A. Ross. No. 1,065,316; June 17; Gaz. vol. 191; p. 795.
- Turbine, Friction-. J. A. Johnsen. No. 1,056,338; Mar. 18; Gaz. vol. 188; p. 636.
- Turbine, Gas-. S. A. Moss. No. 1,064,665; June 10; Gaz. vol. 191; p. 545.
- Turbine, Gas-. F. A. and O. M. Voiles. No. 1,065,410; June 24; Gaz. vol. 191; p. 866.
- Turbine, Gas-. J. D. Gelger. No. 1,068,495; July 29; Gaz. vol. 192; p. 1027.
- Turbine, Gas-. A. E. Stachel. No. 1,073,717; Sept. 23; Gaz. vol. 194; p. 801.
- Turbine, Gas-. N. B. Wales. No. 1,075,677; Oct. 14; Gaz. vol. 195; p. 402.
- Turbine-generator. F. Ljungström. No. 1,066,209; July 1; Gaz. vol. 192; p. 109.
- Turbine-governing mechanism. W. Kieser. No. 1,063,547; June 3; Gaz. vol. 191; p. 127.
- Turbine-governing mechanism. F. Samuelson. No. 1,063,603; June 3; Gaz. vol. 191; p. 149.
- Turbine-governing mechanism. W. L. R. Emmet. No. 1,072,929; Sept. 9; Gaz. vol. 194; p. 464.
- Turbine-governing mechanism, Elastic-fluid-. M. M. Pearson. No. 1,054,935; Mar. 4; Gaz. vol. 188; p. 95.
- Turbine-governing mechanism, Low-pressure-. L. Cubellie. No. 1,050,006; Jan. 7; Gaz. vol. 186; p. 232.
- Turbine-governing mechanism, Mixed-pressure-. M. B. Carroll. No. 1,049,809; Jan. 7; Gaz. vol. 186; p. 167.
- Turbine-governing mechanism, Mixed-pressure-. O. Junggren. No. 1,060,001; Apr. 29; Gaz. vol. 189; p. 1051.
- Turbine-governing mechanism, Mixed-pressure-. P. Mortier. No. 1,060,354; Apr. 29; Gaz. vol. 189; p. 1173.
- Turbine-governing mechanism, Mixed-pressure-. W. Pape. No. 1,064,762; June 17; Gaz. vol. 191; p. 615.
- Turbine governor, Steam-. W. Ott. No. 1,059,387; Apr. 22; Gaz. vol. 189; p. 804.
- Turbine, Hydraulic. A. B. Wood. No. 1,055,588; Mar. 11; Gaz. vol. 188; p. 349.
- Turbine, Marine. F. Hodgkinson. No. 1,061,673; May 13; Gaz. vol. 190; p. 419.
- Turbine, Marine. W. Fritz. No. 1,073,895; Sept. 23; Gaz. vol. 194; p. 859.
- Turbine, Motive-power. J. T. Wainwright. No. 1,050,410; Jan. 14; Gaz. vol. 186; p. 404.
- Turbine, Multistage. E. Josse and P. Christlein. No. 1,062,471; May 20; Gaz. vol. 190; p. 724.
- Turbine-regulating mechanism, Steam-. W. Kieser. No. 1,063,546; June 3; Gaz. vol. 191; p. 126.
- Turbine-regulating mechanism, Steam-. W. Kieser. No. 1,063,548; June 3; Gaz. vol. 191; p. 127.
- Turbine-regulating mechanism, Steam-. W. Kieser. No. 1,063,549; June 3; Gaz. vol. 191; p. 128.
- Turbine regulator, Tapped-. W. Pape. No. 1,064,763; June 17; Gaz. vol. 191; p. 616.
- Turbine, Reversible. H. A. McCulloch. No. 1,061,858; May 13; Gaz. vol. 190; p. 475.
- Turbine, Reversible steam-. W. Rohrbacher. No. 1,058,388; Apr. 8; Gaz. vol. 189; p. 386.
- Turbine, Reversible steam-. A. Bonom. No. 1,076,865; Oct. 28; Gaz. vol. 195; p. 896.
- Turbine, Reversing. H. T. Herr. No. 1,057,055; Mar. 25; Gaz. vol. 188; p. 914.
- Turbine, Steam-. J. H. Kugler. No. 1,051,336; Jan. 21; Gaz. vol. 186; p. 757.
- Turbine, Steam-. G. W. Baker. No. 1,052,786; Feb. 11; Gaz. vol. 187; p. 353.
- Turbine, Steam-. F. H. C. Coppus. No. 1,056,151; Mar. 18; Gaz. vol. 188; p. 574.
- Turbine, Steam-. H. T. Herr. No. 1,061,670; May 13; Gaz. vol. 190; p. 418.
- Turbine, Steam-. S. M. Dobson. No. 1,063,333; June 3; Gaz. vol. 191; p. 55.
- Turbine, Steam-. L. Cubellie and G. Forner. No. 1,063,510; June 3; Gaz. vol. 191; p. 115.
- Turbine, Steam-. A. H. Firey. No. 1,063,788; June 3; Gaz. vol. 191; p. 214.
- Turbine, Steam-. F. Lytle. No. 1,065,539; June 24; Gaz. vol. 191; p. 910.
- Turbine, Steam-. B. Ljungström. No. 1,067,356; July 15; Gaz. vol. 192; p. 568.
- Turbine, Steam-. J. Dianovszky. No. 1,068,987; July 29; Gaz. vol. 192; p. 1199.
- Turbine, Steam-. A. C. Vauclain. No. 1,070,309; Aug. 12; Gaz. vol. 193; p. 450.
- Turbine, Steam-. G. W. Baker. No. 1,070,659; Aug. 19; Gaz. vol. 193; p. 610.
- Turbine, Steam-. F. Ljungström. No. 1,073,916; Sept. 23; Gaz. vol. 194; p. 866.
- Turbine, Steam-. F. Ljungström. No. 1,074,370; Sept. 30; Gaz. vol. 194; p. 1046.
- Turbine, Steam-. A. Bonom. No. 1,076,810; Oct. 28; Gaz. vol. 195; p. 877.
- Turbine, Steam-. J. F. Metten. No. 1,080,573; Dec. 9; Gaz. vol. 197; p. 259.
- Turbine, Steam-. S. C. Rockman. No. 1,080,783; Dec. 9; Gaz. vol. 197; p. 332.
- Turbine, Steam-. F. Ljungström. No. 1,082,886; Dec. 30; Gaz. vol. 197; p. 1146.
- Turbine-supporting means. F. Hodgkinson. No. 1,061,672; May 13; Gaz. vol. 190; p. 418.
- Turbine system. W. Kieser. No. 1,081,387; Dec. 16; Gaz. vol. 197; p. 573.
- Turbine system. W. Kieser. No. 1,081,388; Dec. 16; Gaz. vol. 197; p. 573.
- Turbine, Tapped. L. Cubellie. No. 1,063,513; June 3; Gaz. vol. 191; p. 116.
- Turbine, Tapped. H. Treitel. No. 1,063,622; June 3; Gaz. vol. 191; p. 156.
- Turbine, Twin-cylinder reversible. H. E. Fledderjohann. No. 1,064,824; June 17; Gaz. vol. 191; p. 634.
- Turbine-washer for drinking-glasses and other vessels. F. Boesser. No. 1,051,669; Jan. 28; Gaz. vol. 186; p. 903.
- Turbine-wheel, Water. E. H. Brauer. No. 1,065,208; June 17; Gaz. vol. 191; p. 758.
- Turbine-wheel. O. F. Bruman. No. 1,074,691; Oct. 7; Gaz. vol. 195; p. 38.
- Turbines, Axial-thrust compensator for. H. Föttinger. No. 1,069,406; Aug. 5; Gaz. vol. 193; p. 112.
- Turbines, Blade-rings of radial. F. Ljungström. No. 1,068,512; July 29; Gaz. vol. 192; p. 1033.
- Turbines, Casing for steam-. P. A. Bancel. No. 1,058,936; Apr. 15; Gaz. vol. 189; p. 613.
- Turbines, Extracting steam from. J. Wilkinson. No. 1,063,487; June 3; Gaz. vol. 191; p. 106.
- Turbines for industrial purposes, Means for bleeding. F. Hodgkinson. No. 1,071,420; Aug. 26; Gaz. vol. 193; p. 898.
- Turbines, Means for securing blades in. P. Knight. No. 1,059,618; Apr. 22; Gaz. vol. 189; p. 882.
- Turbines, Preventing erosion in steam-. R. H. Rice. No. 1,060,945; May 6; Gaz. vol. 190; p. 132.
- Turbines, Regulating. W. Kieser. No. 1,063,550; June 3; Gaz. vol. 191; p. 128.
- Turbines, Regulating device for tapped. E. Überlée. No. 1,076,335; Oct. 21; Gaz. vol. 195; p. 656.
- Turbines, Safety device for tapped. L. Cubellie. No. 1,063,512; June 3; Gaz. vol. 191; p. 116.

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- Turbines, Regulating device for tapped. G. Forner. No. 1,076,413; Oct. 21; Gaz. vol. 195; p. 684.
- Turbines, Steam-regulator for. W. Pape. No. 1,076,446; Oct. 21; Gaz. vol. 195; p. 695.
- Turbines, Utilizing leakage steam in steam-. L. Cubellie. No. 1,062,892; May 27; Gaz. vol. 190; p. 905.
- Turbo-compressor-governing mechanism. J. A. Rey. No. 1,058,676; Apr. 8; Gaz. vol. 189; p. 484.
- Turn-table. R. J. McKelvey. No. 1,056,812; Mar. 25; Gaz. vol. 188; p. 830.
- Turn-table. L. D. Woodruff. No. 1,066,355; July 1; Gaz. vol. 192; p. 159.
- Turn-table. J. L. Smith. No. 1,075,230; Oct. 7; Gaz. vol. 195; p. 221.
- Turn-table, Automatic. J. H. Wittmann. No. 1,065,091; June 17; Gaz. vol. 191; p. 722.
- Turn-table, Automatic garage. R. E. Hall. No. 1,050,647; Jan. 14; Gaz. vol. 186; p. 487.
- Turn-table for couplings. L. D. Woodruff. No. 1,066,354; July 1; Gaz. vol. 192; p. 159.
- Turn-tables, Yieldable keeper for. M. Slaweckl. No. 1,050,570; Jan. 14; Gaz. vol. 186; p. 463.
- Turnbuckle. B. L. Ford. No. 1,061,060; May 6; Gaz. vol. 190; p. 174.
- Turning machine, Forepart-. A. Eppler. No. 1,058,164; Apr. 8; Gaz. vol. 189; p. 308.
- Turning-tool. J. Hartness. No. 1,056,097; Mar. 18; Gaz. vol. 188; p. 555.
- Turnstile. C. M. Brooker. No. 1,049,805; Jan. 7; Gaz. vol. 186; p. 165.
- Turnstile. J. F. Ohmer. No. 1,050,070; Jan. 7; Gaz. vol. 186; p. 255.
- Turnstile. E. C. Noe. No. 1,059,384; Apr. 22; Gaz. vol. 189; p. 803.
- Turnstile. A. W. Irwin. No. 1,077,984; Nov. 11; Gaz. vol. 196; p. 287.
- Turnstile mechanism. D. A. L. McDonald. No. 1,049,587; Jan. 7; Gaz. vol. 186; p. 93.
- Turpentine and rosin from wood, Extracting. B. F. A. Saylor. No. 1,081,276; Dec. 9; Gaz. vol. 197; p. 497.
- Turpentine-condenser. J. R. Walker. No. 1,057,788; Apr. 1; Gaz. vol. 189; p. 134.
- Turpentine-cups, Tool for installing. G. C. Pringle. No. 1,073,517; Sept. 16; Gaz. vol. 194; p. 705.
- Turret-machines, Tilting piece-magazine for automatic. J. M. Syroth. No. 1,049,777; Jan. 7; Gaz. vol. 186; p. 157.
- Tweezers, Pocket-. W. A. Atkeson. No. 1,052,878; Feb. 11; Gaz. vol. 187; p. 385.
- Tweezers, Watchmaker's. H. E. Holloway. No. 1,081,830; Dec. 16; Gaz. vol. 197; p. 721.
- Twine and cord holder. L. E. Swan. No. 1,070,999; Aug. 19; Gaz. vol. 193; p. 721.
- Twine-cutter. J. D. Hess. No. 1,055,171; Mar. 4; Gaz. vol. 188; p. 173.
- Twine-cutter. S. Litzman. No. 1,060,773; May 6; Gaz. vol. 190; p. 71.
- Twine-cutter. L. A. Carpenter and R. Middleton. No. 1,063,851; June 3; Gaz. vol. 191; p. 234.
- Twine-cutter. F. B. Stober. No. 1,063,896; June 3; Gaz. vol. 191; p. 248.
- Twine-cutter. G. L. Self. No. 1,066,957; July 8; Gaz. vol. 192; p. 396.
- Twine-cutter. T. H. Howell. No. 1,074,864; Oct. 7; Gaz. vol. 195; p. 93.
- Twine-holder. R. O. Clark. No. 1,049,672; Jan. 7; Gaz. vol. 186; p. 121.
- Twine-holder. P. P. Williams. No. 1,054,730; Mar. 4; Gaz. vol. 188; p. 26.
- Twine-holder. G. L. Self. No. 1,061,330; May 13; Gaz. vol. 190; p. 298.
- Twine-holder. J. C. Case. No. 1,077,453; Nov. 4; Gaz. vol. 196; p. 75.
- Twine-holder. C. Yorger. No. 1,079,896; Nov. 25; Gaz. vol. 196; p. 1010.
- Twine holder and fastener. W. Jourdan. No. 1,071,159; Aug. 26; Gaz. vol. 193; p. 809.
- Twisting device, Strand-. M. Palmer. No. 1,063,722; June 3; Gaz. vol. 191; p. 192.
- Twisting-die. F. H. Williams. No. 1,053,081; Feb. 11; Gaz. vol. 187; p. 455.
- Twisting-frames, Drip rail-plate for. J. Desautels and J. Lacroix. No. 1,083,005; Dec. 30; Gaz. vol. 197; p. 1186.
- Twisting-machine. S. Y. Austin and R. Dallis. No. 1,050,786; Jan. 21; Gaz. vol. 186; p. 567.
- Twisting-machine. A. G. Shideed. No. 1,057,463; Apr. 1; Gaz. vol. 189; p. 23.
- Twisting-machine. H. G. Beede. No. 1,064,280; June 10; Gaz. vol. 191; p. 414.
- Twisting-machine. G. L. Brownell. No. 1,076,096; Oct. 21; Gaz. vol. 195; p. 574.
- Twisting-machines, Thread stop-motion for gripping a broken thread in. B. Dutkiewicz. No. 1,082,016; Dec. 23; Gaz. vol. 197; p. 812.
- Twisting or spinning machines, Thread-guide for thread-boards of. H. G. Beede. No. 1,075,184; Oct. 7; Gaz. vol. 195; p. 205.
- Two-cycle engine. A. Winton and H. B. Anderson. No. 1,061,796; May 13; Gaz. vol. 190; p. 457.
- Two-cycle engine, Sleeve-type. C. D. Miller. No. 1,057,442; Apr. 1; Gaz. vol. 189; p. 16.
- Two-cycle motor, Valveless. O. Deprez and A. Richir. No. 1,061,528; May 13; Gaz. vol. 190; p. 368.
- Two members one within the other, Securing. C. P. Madson. No. 1,057,159; Mar. 25; Gaz. vol. 188; p. 950.
- Tying and untying packages, Device for. D. G. Galbraith. No. 1,054,107; Feb. 25; Gaz. vol. 187; p. 885.
- Tying device. M. J. Ward. No. 1,067,387; July 15; Gaz. vol. 192; p. 578.
- Tying-machine. L. Clark. No. 1,056,087; Mar. 18; Gaz. vol. 188; p. 552.
- Tympan-gage. G. E. Hellmich. No. 1,066,010; July 1; Gaz. vol. 192; p. 37.
- Type. W. R. Allen. No. 1,078,400; Nov. 11; Gaz. vol. 196; p. 433.
- Type. G. R. Cornwall. No. 1,079,402; Nov. 25; Gaz. vol. 196; p. 838.
- Type-bar. W. R. Allen. No. 1,078,401; Nov. 11; Gaz. vol. 196; p. 433.
- Type-bar action. C. Spiro. No. 1,072,784; Sept. 9; Gaz. vol. 194; p. 410.
- Type-bar and hanger and making same. G. F. Ballou. No. 1,059,923; Apr. 22; Gaz. vol. 189; p. 981.
- Type-bar-making-machine spacer-handling mechanism. A. W. Le Boeuf. No. 1,082,275; Dec. 23; Gaz. vol. 197; p. 901.
- Type-case. H. C. Gammeter. No. 1,052,333; Feb. 4; Gaz. vol. 187; p. 166.
- Type-case. J. E. Gagnon and A. Kaufmann. No. 1,062,392; May 20; Gaz. vol. 190; p. 699.
- Type-case. A. B. Ilsley. No. 1,067,120; July 8; Gaz. vol. 192; p. 450.
- Type-case attachment. C. W. Ludtke, Jr. No. 1,056,702; Mar. 18; Gaz. vol. 188; p. 762.
- Type casting and composing machine. J. C. Grant. No. 1,054,838; Mar. 4; Gaz. vol. 188; p. 64.
- Type casting and composing machine. P. T. Dodge. No. 1,081,025; Dec. 9; Gaz. vol. 197; p. 414.
- Type casting and composing machines, Centering or positioning mechanism for. J. S. Bancroft and M. C. Indahl. No. 1,079,321; Nov. 25; Gaz. vol. 196; p. 810.
- Type-casting and similar machine. C. Crisp. No. 1,072,917; Sept. 9; Gaz. vol. 194; p. 460.
- Type-casting machine. P. T. Dodge. No. 1,055,388; Mar. 11; Gaz. vol. 188; p. 283.
- Type-casting machine. F. H. Pierpont. No. 1,061,559; May 13; Gaz. vol. 190; p. 379.
- Type-casting machine. H. Degener. No. 1,070,876; Aug. 19; Gaz. vol. 193; p. 681.
- Type-casting machine. F. Sally. No. 1,079,366; Nov. 25; Gaz. vol. 196; p. 825.
- Type-chase. F. Kohnle. No. 1,062,283; May 20; Gaz. vol. 190; p. 662.
- Type-chase. H. S. Steege. No. 1,066,336; July 1; Gaz. vol. 192; p. 153.
- Type composing and casting apparatus. H. J. S. Gilbert-Stringer and P. W. Druitt. No. 1,074,546; Sept. 30; Gaz. vol. 194; p. 1102.
- Type-composing machine. A. Savarese. No. 1,077,759; Nov. 4; Gaz. vol. 196; p. 178.
- Type, Device for locking lines of. C. E. Gilbert. No. 1,080,275; Dec. 2; Gaz. vol. 197; p. 125.
- Type device, Settable-. G. S. Hice and J. Barnes. No. 1,073,234; Sept. 16; Gaz. vol. 194; p. 608.
- Type-distributing device. W. Mann. No. 1,051,605; Jan. 28; Gaz. vol. 186; p. 883.
- Type-distributing implement. H. C. Gammeter. No. 1,051,725; Jan. 28; Gaz. vol. 186; p. 921.
- Type-forms in a chase, Means for locking. J. E. Hewett. No. 1,061,745; May 13; Gaz. vol. 190; p. 443.
- Type-guard. W. G. MacMillan. No. 1,062,487; May 20; Gaz. vol. 190; p. 729.
- Type-holder. H. C. Gammeter. No. 1,052,236; Feb. 4; Gaz. vol. 187; p. 136.
- Type-holder. A. B. Dick. No. 1,053,364; Feb. 18; Gaz. vol. 187; p. 597.
- Type-justifying mechanism. B. M. Des Jardins. No. 1,070,235; Aug. 12; Gaz. vol. 193; p. 424.
- Type-line-casting-machine trimming apparatus. H. Degener. No. 1,055,302; Mar. 4; Gaz. vol. 188; p. 215.
- Type-line quadder. W. E. Brand. No. 1,051,385; Jan. 28; Gaz. vol. 186; p. 807.
- Type, Machine for composing and casting lines of. F. Schimmel. No. 1,055,089; Mar. 4; Gaz. vol. 188; p. 149.
- Type, Machine for feeding. H. C. Gammeter. No. 1,075,029; Oct. 7; Gaz. vol. 195; p. 152.
- Type, Means for making up and piling pages of. H. H. Hancock. No. 1,063,027; May 27; Gaz. vol. 190; p. 949.
- Type-metal-treating device. E. M. Low. No. 1,082,279; Dec. 23; Gaz. vol. 197; p. 903.
- Type-proofing gage. C. J. Taylor. No. 1,076,847; Oct. 28; Gaz. vol. 195; p. 889.
- Type setting and casting machine. J. Dorneth. No. 1,058,735; Apr. 15; Gaz. vol. 189; p. 542.
- Type setting and distributing apparatus. A. B. Dick. No. 1,053,365; Feb. 18; Gaz. vol. 187; p. 597.

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- Type setting and distributing machine. A. Smith. No. 1,050,495; Jan. 14; Gaz. vol. 186; p. 437.
- Type setting and distributing machine. H. C. Osborn. No. 1,076,640; Oct. 21; Gaz. vol. 195; p. 765.
- Type setting and distributing machine. C. Collin. No. 1,078,832; Nov. 18; Gaz. vol. 196; p. 612.
- Type setting and distributing machine. H. C. Osborn. No. 1,079,716; Nov. 25; Gaz. vol. 196; p. 946.
- Type setting and distributing machine, Printing-. B. O. Fanslow. No. 1,076,029; Oct. 21; Gaz. vol. 195; p. 551.
- Type-setting and line-casting machine. H. Degener. No. 1,055,300; Mar. 4; Gaz. vol. 188; p. 215.
- Type-setting and line-casting machine. H. Degener. No. 1,067,591; July 15; Gaz. vol. 192; p. 647.
- Type-setting and line-casting machine matrix. H. Degener. No. 1,080,330; Dec. 2; Gaz. vol. 197; p. 144.
- Type-setting and type-distributing machine. A. Smith. No. 1,077,493; Nov. 4; Gaz. vol. 196; p. 90.
- Type-setting machine. N. Mock. No. 1,052,742; Feb. 11; Gaz. vol. 187; p. 337.
- Type-setting machine. J. S. Duncan. No. 1,063,337; June 3; Gaz. vol. 191; p. 57.
- Type storing, assembling, and distributing mechanism. H. C. Osborn. No. 1,076,906; Oct. 28; Gaz. vol. 195; p. 911.
- Type-transfer device. J. J. Zeitz. No. 1,049,965; Jan. 7; Gaz. vol. 186; p. 218.
- Type-writer. C. W. and G. W. Davis. No. 1,054,093; Feb. 25; Gaz. vol. 187; p. 881.
- Type-writer. R. A. Spurgin. No. 1,055,679; Mar. 11; Gaz. vol. 188; p. 379.
- Type-writer. G. W. Dudley. (Reissue.) No. 13,543; Mar. 11; Gaz. vol. 188; p. 487.
- Type-writer. G. W. Donning. No. 1,056,644; Mar. 18; Gaz. vol. 188; p. 743.
- Type-writer. G. W. Donning. No. 1,056,646; Mar. 18; Gaz. vol. 188; p. 744.
- Type-writer. E. C. Walter. No. 1,056,721; Mar. 18; Gaz. vol. 188; p. 770.
- Type-writer. G. W. Ramsey. No. 1,062,735; May 27; Gaz. vol. 190; p. 852.
- Type-writer. J. A. Ruffin and G. G. Goings. No. 1,063,289; June 3; Gaz. vol. 191; p. 41.
- Type-writer. E. J. Goldblatt. No. 1,065,041; June 17; Gaz. vol. 191; p. 704.
- Type-writer. F. S. Rose. No. 1,065,842; June 24; Gaz. vol. 191; p. 1012.
- Type-writer. W. A. McCool. No. 1,069,275; Aug. 5; Gaz. vol. 193; p. 66.
- Type-writer. A. G. Snyder. No. 1,070,549; Aug. 19; Gaz. vol. 193; p. 574.
- Type-writer. E. C. Walter. No. 1,073,573; Sept. 16; Gaz. vol. 194; p. 725.
- Type-writer. W. J. Kauffman. No. 1,077,281; Nov. 4; Gaz. vol. 196; p. 13.
- Type-writer. M. C. Crawley. No. 1,077,675; Nov. 4; Gaz. vol. 196; p. 149.
- Type-writer. F. C. Clark. No. 1,077,804; Nov. 4; Gaz. vol. 196; p. 193.
- Type-writer. G. B. Baker. No. 1,078,081; Nov. 11; Gaz. vol. 196; p. 320.
- Type-writer. A. Van Loy. No. 1,079,812; Nov. 25; Gaz. vol. 196; p. 981.
- Type-writer. J. E. Molle. No. 1,082,038; Dec. 23; Gaz. vol. 197; p. 819.
- Type-writer. E. H. Albertson. No. 1,082,671; Dec. 30; Gaz. vol. 197; p. 1071.
- Type-writer adding attachment. J. C. Wolfe and E. W. Morton. No. 1,062,870; May 27; Gaz. vol. 190; p. 897.
- Type-writer and telegraph-transmitter, Combined. H. H. Steele. No. 1,071,819; Sept. 2; Gaz. vol. 194; p. 53.
- Type-writer attachment. E. Elliott. No. 1,052,046; Feb. 4; Gaz. vol. 187; p. 70.
- Type-writer attachment. J. R. Bowie. No. 1,066,372; July 1; Gaz. vol. 192; p. 164.
- Type-writer attachment. E. J. Barker. No. 1,072,202; Sept. 2; Gaz. vol. 194; p. 182.
- Type-writer attachment. E. J. Barker. No. 1,075,458; Oct. 14; Gaz. vol. 195; p. 328.
- Type-writer attachment. F. H. Alder. No. 1,080,506; Dec. 2; Gaz. vol. 197; p. 205.
- Type-writer attachment. M. Aaron. No. 1,081,185; Dec. 9; Gaz. vol. 197; p. 466.
- Type-writer attachment for desks. L. B. Pooler, J. M. Bainer, and N. V. Elliott. No. 1,080,019; Dec. 2; Gaz. vol. 197; p. 34.
- Type-writer cabinet. E. L. Keltz. No. 1,059,614; Apr. 22; Gaz. vol. 189; p. 880.
- Type-writer cabinet. J. E. Martin. No. 1,064,511; June 10; Gaz. vol. 191; p. 494.
- Type-writer carriage-actuating mechanism. W. J. Kauffman. No. 1,065,050; June 17; Gaz. vol. 191; p. 706.
- Type-writer carriage construction. G. W. Davis. No. 1,049,565; Jan. 7; Gaz. vol. 186; p. 85.
- Type-writer carriage mechanism. W. J. Kauffman. No. 1,063,543; June 3; Gaz. vol. 191; p. 126.
- Type-writer carriage-return mechanism. N. L. Anderson. No. 1,067,635; July 15; Gaz. vol. 192; p. 663.
- Type-writer desk. F. Wyckoff. No. 1,050,324; Jan. 14; Gaz. vol. 186; p. 375.
- Type-writer desk. J. S. Hunter. No. 1,072,121; Sept. 2; Gaz. vol. 194; p. 154.
- Type-writer-desk platforms, Latch for. J. Vaaler. No. 1,061,707; May 13; Gaz. vol. 190; p. 431.
- Type-writer holder. L. C. Fox. No. 1,059,856; Apr. 22; Gaz. vol. 189; p. 958.
- Type-writer key and type-bar movement. J. Alexander. No. 1,050,089; Jan. 14; Gaz. vol. 186; p. 297.
- Type-writer keyboard-cover. A. E. Elliott. No. 1,065,599; June 24; Gaz. vol. 191; p. 930.
- Type-writer line-spacing mechanism. J. Raber. No. 1,056,213; Mar. 18; Gaz. vol. 188; p. 595.
- Type-writer line-spacing mechanism. J. E. Molle. No. 1,081,459; Dec. 16; Gaz. vol. 197; p. 597.
- Type-writer machine. A. G. F. Kurowski. No. 1,069,619; Aug. 5; Gaz. vol. 193; p. 183.
- Type-writer paper-feed mechanism. J. J. Chapin. No. 1,067,304; July 15; Gaz. vol. 192; p. 551.
- Type-writer paper-gage. S. E. Campbell. No. 1,058,547; Apr. 8; Gaz. vol. 189; p. 441.
- Type-writer-paper-holding attachment. C. J. Swalm. No. 1,070,636; Aug. 19; Gaz. vol. 193; p. 603.
- Type-writer, Pneumatic. M. Soblik. No. 1,075,512; Oct. 14; Gaz. vol. 195; p. 346.
- Type-writer, Pneumatic. M. Soblik. No. 1,080,853; Dec. 9; Gaz. vol. 197; p. 358.
- Type-writer ribbon attachment. C. J. Paulson. No. 1,050,997; Jan. 21; Gaz. vol. 186; p. 643.
- Type-writer ribbon mechanism. B. C. Stickney. No. 1,075,996; Oct. 14; Gaz. vol. 195; p. 511.
- Type-writer roller. A. G. Hug. No. 1,053,180; Feb. 18; Gaz. vol. 187; p. 532.
- Type-writer shift mechanism. G. W. Davis. No. 1,054,396; Feb. 25; Gaz. vol. 187; p. 985.
- Type-writer shock-absorber. N. R. Stiles. No. 1,072,526; Sept. 9; Gaz. vol. 194; p. 320.
- Type-writer support. T. H. Boal. No. 1,061,896; May 13; Gaz. vol. 190; p. 488.
- Type-writer tabulator. A. Bullock. No. 1,058,721; Apr. 15; Gaz. vol. 189; p. 536.
- Type-writer, Telegraph. A. D. Cardwell. No. 1,070,407; Aug. 19; Gaz. vol. 193; p. 525.
- Type-writer type-bars, Releasing mechanism for. W. D. Fricks. No. 1,076,276; Oct. 21; Gaz. vol. 195; p. 634.
- Type-writers and adders, Retraction-lock for combined. W. L. Dench. No. 1,049,818; Jan. 7; Gaz. vol. 186; p. 170.
- Type-writers, Carriage-backsetting mechanism for. O. C. Kavle. No. 1,060,004; Apr. 29; Gaz. vol. 189; p. 1052.
- Type-writers, Electromagnetic device for operating. G. A. Wikander. No. 1,067,666; July 15; Gaz. vol. 192; p. 638.
- Type-writers, &c., Machine for perforating master-sheets for operating. J. McTammany. No. 1,063,818; June 3; Gaz. vol. 191; p. 223.
- Type-writers, Platen-roll-turning means for. P. J. Dreher. No. 1,070,237; Aug. 12; Gaz. vol. 193; p. 425.
- Type-writers, Pneumatic printing mechanism for. M. Soblik. No. 1,079,447; Nov. 25; Gaz. vol. 196; p. 852.
- Type-writers, &c., Sheet-feeding means for. P. J. Dreher. No. 1,070,021; Aug. 12; Gaz. vol. 193; p. 350.
- Type-writers, Shift mechanism for. A. W. Weeden. No. 1,071,976; Sept. 2; Gaz. vol. 194; p. 104.
- Type-writers, Temporary line-adjusting device for. G. W. Donning. No. 1,056,645; Mar. 18; Gaz. vol. 188; p. 743.
- Type-writers, Type-bar mechanism for. H. Moya. No. 1,076,602; Oct. 21; Gaz. vol. 195; p. 750.
- Type-writing and calculating machines, &c., Traveling-case for. A. B. Guricke. No. 1,062,277; May 20; Gaz. vol. 190; p. 660.
- Type-writing and computing machine. G. J. Barrett. No. 1,057,915; Apr. 1; Gaz. vol. 189; p. 178.
- Type-writing and computing machine. G. J. Barrett. No. 1,066,455; July 1; Gaz. vol. 192; p. 191.
- Type-writing and computing machine, Combined. B. C. Stickney. No. 1,071,273; Aug. 26; Gaz. vol. 193; p. 848.
- Type-writing and computing machine, Combined. G. O. Degener and H. Resch. No. 1,077,684; Nov. 4; Gaz. vol. 196; p. 152.
- Type-writing and other key-actuated machine. J. T. Schaaff. No. 1,075,944; Oct. 14; Gaz. vol. 195; p. 493.
- Type-writing machine. J. A. Ronchetti. No. 1,049,768; Jan. 7; Gaz. vol. 186; p. 153.
- Type-writing machine. A. W. Smith. No. 1,050,245; Jan. 14; Gaz. vol. 186; p. 347.
- Type-writing machine. R. H. Strother. No. 1,050,248; Jan. 14; Gaz. vol. 186; p. 348.
- Type-writing machine. S. W. Turner. No. 1,050,315; Jan. 14; Gaz. vol. 186; p. 371.
- Type-writing machine. H. N. Josleyn. No. 1,050,545; Jan. 14; Gaz. vol. 186; p. 454.
- Type-writing machine. H. H. Steele. No. 1,050,574; Jan. 14; Gaz. vol. 186; p. 464.
- Type-writing machine. B. C. Stickney. No. 1,050,754; Jan. 14; Gaz. vol. 186; p. 521.
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- Type-writing machine. J. Purdy. No. 1,052,012; Feb. 4; Gaz. vol. 187; p. 58.
- Type-writing machine. H. H. Steele. No. 1,052,020; Feb. 4; Gaz. vol. 187; p. 61.
- Type-writing machine. H. H. Steele. No. 1,052,021; Feb. 4; Gaz. vol. 187; p. 61.
- Type-writing machine. H. H. Steele. No. 1,052,022; Feb. 4; Gaz. vol. 187; p. 62.
- Type-writing machine. C. E. Smith. No. 1,052,099; Feb. 4; Gaz. vol. 187; p. 88.
- Type-writing machine. F. C. Ursbruck. No. 1,052,104; Feb. 4; Gaz. vol. 187; p. 90.
- Type-writing machine. A. D. Maury. No. 1,052,160; Feb. 4; Gaz. vol. 187; p. 110.
- Type-writing machine. H. H. Steele. No. 1,052,186; Feb. 4; Gaz. vol. 187; p. 120.
- Type-writing machine. E. M. v. Marchthal. No. 1,052,356; Feb. 4; Gaz. vol. 187; p. 173.
- Type-writing machine. F. C. Ursbruck. No. 1,052,429; Feb. 4; Gaz. vol. 187; p. 200.
- Type-writing machine. A. W. Smith. No. 1,052,524; Feb. 11; Gaz. vol. 187; p. 265.
- Type-writing machine. C. H. Shepard. No. 1,052,758; Feb. 11; Gaz. vol. 187; p. 343.
- Type-writing machine. E. F. Griffin. No. 1,053,027; Feb. 11; Gaz. vol. 187; p. 435.
- Type-writing machine. J. A. Ronchetti. No. 1,053,065; Feb. 11; Gaz. vol. 187; p. 449.
- Type-writing machine. C. H. Shepard. No. 1,053,115; Feb. 11; Gaz. vol. 187; p. 467.
- Type-writing machine. A. W. Smith. No. 1,053,139; Feb. 11; Gaz. vol. 187; p. 476.
- Type-writing machine. J. Felbel. No. 1,053,374; Feb. 18; Gaz. vol. 187; p. 600.
- Type-writing machine. J. Harris. No. 1,053,385; Feb. 18; Gaz. vol. 187; p. 604.
- Type-writing machine. H. H. Steele. No. 1,053,448; Feb. 18; Gaz. vol. 187; p. 626.
- Type-writing machine. H. H. Steele. No. 1,053,449; Feb. 18; Gaz. vol. 187; p. 626.
- Type-writing machine. W. H. Clayton. No. 1,053,480; Feb. 18; Gaz. vol. 187; p. 637.
- Type-writing machine. C. B. Corcoran. No. 1,053,575; Feb. 18; Gaz. vol. 187; p. 670.
- Type-writing machine. W. J. Neidig. No. 1,053,919; Feb. 18; Gaz. vol. 187; p. 785.
- Type-writing machine. W. J. Neidig. No. 1,053,920; Feb. 18; Gaz. vol. 187; p. 785.
- Type-writing machine. W. J. Neidig. No. 1,053,921; Feb. 18; Gaz. vol. 187; p. 786.
- Type-writing machine. W. J. Neidig. No. 1,053,922; Feb. 18; Gaz. vol. 187; p. 786.
- Type-writing machine. W. J. Neidig. No. 1,053,923; Feb. 18; Gaz. vol. 187; p. 787.
- Type-writing machine. W. J. Neidig. No. 1,053,924; Feb. 18; Gaz. vol. 187; p. 787.
- Type-writing machine. W. J. Neidig. No. 1,053,925; Feb. 18; Gaz. vol. 187; p. 787.
- Type-writing machine. W. J. Neidig. No. 1,053,926; Feb. 18; Gaz. vol. 187; p. 788.
- Type-writing machine. W. J. Neidig. No. 1,053,927; Feb. 18; Gaz. vol. 187; p. 788.
- Type-writing machine. W. J. Neidig. No. 1,053,928; Feb. 18; Gaz. vol. 187; p. 788.
- Type-writing machine. W. J. Neidig. No. 1,053,929; Feb. 18; Gaz. vol. 187; p. 789.
- Type-writing machine. W. J. Neidig. No. 1,053,930; Feb. 18; Gaz. vol. 187; p. 789.
- Type-writing machine. F. A. Young. No. 1,054,327; Feb. 25; Gaz. vol. 187; p. 960.
- Type-writing machine. F. A. Young. No. 1,054,328; Feb. 25; Gaz. vol. 187; p. 961.
- Type-writing machine. B. C. Stickney. No. 1,054,470; Feb. 25; Gaz. vol. 187; p. 1011.
- Type-writing machine. J. Felbel. No. 1,054,682; Mar. 4; Gaz. vol. 188; p. 10.
- Type-writing machine. J. Waldheim. No. 1,054,725; Mar. 4; Gaz. vol. 188; p. 24.
- Type-writing machine. F. A. Young. No. 1,054,739; Mar. 4; Gaz. vol. 188; p. 29.
- Type-writing machine. H. N. Josleyn. No. 1,054,847; Mar. 4; Gaz. vol. 188; p. 67.
- Type-writing machine. A. W. Smith. No. 1,054,874; Mar. 4; Gaz. vol. 188; p. 76.
- Type-writing machine. C. E. Smith. No. 1,054,875; Mar. 4; Gaz. vol. 188; p. 77.
- Type-writing machine. F. A. Young. No. 1,054,956; Mar. 4; Gaz. vol. 188; p. 102.
- Type-writing machine. B. C. Stickney. No. 1,054,998; Mar. 4; Gaz. vol. 188; p. 117.
- Type-writing machine. J. Felbel. No. 1,055,027; Mar. 4; Gaz. vol. 188; p. 127.
- Type-writing machine. H. S. McCormack. No. 1,055,344; Mar. 11; Gaz. vol. 188; p. 269.
- Type-writing machine. B. C. Stickney. No. 1,055,367; Mar. 11; Gaz. vol. 188; p. 277.
- Type-writing machine. F. F. Main. No. 1,055,480; Mar. 11; Gaz. vol. 188; p. 314.
- Type-writing machine. F. A. Cook. No. 1,055,520; Mar. 11; Gaz. vol. 188; p. 327.
- Type-writing machine. C. W. Sponsel. No. 1,055,566; Mar. 11; Gaz. vol. 188; p. 342.
- Type-writing machine. G. Emeliantzeff. No. 1,056,159; Mar. 18; Gaz. vol. 188; p. 577.
- Type-writing machine. L. H. Friedman. No. 1,056,657; Mar. 18; Gaz. vol. 188; p. 747.
- Type-writing machine. J. K. Lux. No. 1,056,703; Mar. 18; Gaz. vol. 188; p. 762.
- Type-writing machine. C. E. Smith. No. 1,057,013; Mar. 25; Gaz. vol. 188; p. 900.
- Type-writing machine. F. C. Ursbruck. No. 1,057,365; Mar. 25; Gaz. vol. 188; p. 1018.
- Type-writing machine. D. A. Carpenter. No. 1,057,802; Apr. 1; Gaz. vol. 189; p. 139.
- Type-writing machine. D. A. Carpenter. No. 1,057,996; Apr. 1; Gaz. vol. 189; p. 205.
- Type-writing machine. M. H. Lockwood. No. 1,058,446; Apr. 8; Gaz. vol. 189; p. 407.
- Type-writing machine. M. Schiesari. No. 1,058,630; Apr. 8; Gaz. vol. 189; p. 467.
- Type-writing machine. W. F. Helmond. No. 1,058,672; Apr. 8; Gaz. vol. 189; p. 482.
- Type-writing machine. F. C. Ursbruck. No. 1,058,678; Apr. 8; Gaz. vol. 189; p. 484.
- Type-writing machine. S. W. Turner. No. 1,058,815; Apr. 15; Gaz. vol. 189; p. 570.
- Type-writing machine. A. Schneeloch. No. 1,058,907; Apr. 15; Gaz. vol. 189; p. 603.
- Type-writing machine. G. E. Griffin. No. 1,058,965; Apr. 15; Gaz. vol. 189; p. 623.
- Type-writing machine. W. F. Helmond. No. 1,058,971; Apr. 15; Gaz. vol. 189; p. 625.
- Type-writing machine. V. Stern. No. 1,059,782; Apr. 22; Gaz. vol. 189; p. 936.
- Type-writing machine. W. J. Barron. No. 1,059,924; Apr. 22; Gaz. vol. 189; p. 981.
- Type-writing machine. W. E. Burnett. No. 1,059,926; Apr. 22; Gaz. vol. 189; p. 982.
- Type-writing machine. A. Schneeloch. No. 1,060,135; Apr. 29; Gaz. vol. 189; p. 1095.
- Type-writing machine. A. W. Smith. No. 1,060,292; Apr. 29; Gaz. vol. 189; p. 1151.
- Type-writing machine. C. B. Corcoran. No. 1,060,321; Apr. 29; Gaz. vol. 189; p. 1162.
- Type-writing machine. L. S. Burridge. No. 1,060,582; May 6; Gaz. vol. 190; p. 6.
- Type-writing machine. W. L. Gale. No. 1,060,592; May 6; Gaz. vol. 190; p. 10.
- Type-writing machine. H. H. Steele. No. 1,060,646; May 6; Gaz. vol. 190; p. 28.
- Type-writing machine. F. A. Young. No. 1,060,806; May 6; Gaz. vol. 190; p. 82.
- Type-writing machine. B. F. Frizzell. No. 1,061,464; May 13; Gaz. vol. 190; p. 344.
- Type-writing machine. C. B. Corcoran. No. 1,061,600; May 13; Gaz. vol. 190; p. 393.
- Type-writing machine. A. G. F. Kurowski. No. 1,061,618; May 13; Gaz. vol. 190; p. 399.
- Type-writing machine. R. W. Peery. No. 1,061,631; May 13; Gaz. vol. 190; p. 403.
- Type-writing machine. A. W. Smith. No. 1,061,639; May 13; Gaz. vol. 190; p. 406.
- Type-writing machine. J. Felbel. No. 1,061,957; May 13; Gaz. vol. 190; p. 510.
- Type-writing machine. B. F. Hutches, Jr. No. 1,062,009; May 20; Gaz. vol. 190; p. 569.
- Type-writing machine. C. F. Lundeborg. No. 1,062,019; May 20; Gaz. vol. 190; p. 572.
- Type-writing machine. W. E. Barnard. No. 1,062,076; May 20; Gaz. vol. 190; p. 592.
- Type-writing machine. J. Sokolov. No. 1,062,194; May 20; Gaz. vol. 190; p. 632.
- Type-writing machine. C. B. Yaw. No. 1,062,265; May 20; Gaz. vol. 190; p. 656.
- Type-writing machine. F. A. Young. No. 1,062,266; May 20; Gaz. vol. 190; p. 657.
- Type-writing machine. H. H. Steele. No. 1,062,371; May 20; Gaz. vol. 190; p. 692.
- Type-writing machine. C. B. Corcoran. No. 1,062,386; May 20; Gaz. vol. 190; p. 697.
- Type-writing machine. J. C. McLaughlin. No. 1,062,569; May 20; Gaz. vol. 190; p. 756.
- Type-writing machine. F. A. Young. No. 1,062,681; May 27; Gaz. vol. 190; p. 835.
- Type-writing machine. M. W. Pool. No. 1,062,729; May 27; Gaz. vol. 190; p. 850.
- Type-writing machine. J. C. McLaughlin. No. 1,062,835; May 27; Gaz. vol. 190; p. 885.
- Type-writing machine. J. C. McLaughlin. No. 1,063,165; May 27; Gaz. vol. 190; p. 995.
- Type-writing machine. C. H. Vogel. No. 1,063,624; June 3; Gaz. vol. 191; p. 157.
- Type-writing machine. W. J. Kauffman. No. 1,063,693; June 3; Gaz. vol. 191; p. 182.
- Type-writing machine. J. C. McLaughlin. No. 1,063,815; June 3; Gaz. vol. 191; p. 222.
- Type-writing machine. J. C. McLaughlin. No. 1,063,817; June 3; Gaz. vol. 191; p. 223.

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- Type-writing machine. J. C. McLaughlin. No. 1,063,924; June 3; Gaz. vol. 191; p. 258.
- Type-writing machine. J. C. McLaughlin. No. 1,064,081; June 10; Gaz. vol. 191; p. 346.
- Type-writing machine. O. Petermann. No. 1,064,372; June 10; Gaz. vol. 191; p. 445.
- Type-writing machine. H. H. Steele. No. 1,064,392; June 10; Gaz. vol. 191; p. 453.
- Type-writing machine. J. Waldheim. No. 1,064,403; June 10; Gaz. vol. 191; p. 457.
- Type-writing machine. E. E. Barney. No. 1,064,421; June 10; Gaz. vol. 191; p. 464.
- Type-writing machine. F. A. Young. No. 1,064,586; June 10; Gaz. vol. 191; p. 519.
- Type-writing machine. F. C. Ursbruck. No. 1,064,674; June 10; Gaz. vol. 191; p. 549.
- Type-writing machine. J. C. McLaughlin. No. 1,065,826; June 24; Gaz. vol. 191; p. 1006.
- Type-writing machine. G. A. Seib. No. 1,065,970; July 1; Gaz. vol. 192; p. 23.
- Type-writing machine. H. H. Steele. No. 1,065,980; July 1; Gaz. vol. 192; p. 27.
- Type-writing machine. J. C. McLaughlin. No. 1,066,029; July 1; Gaz. vol. 192; p. 44.
- Type-writing machine. F. C. Roberts. No. 1,066,053; July 1; Gaz. vol. 192; p. 53.
- Type-writing machine. A. T. Brown. No. 1,066,075; July 1; Gaz. vol. 192; p. 60.
- Type-writing machine. F. A. Cook. No. 1,066,083; July 1; Gaz. vol. 192; p. 63.
- Type-writing machine. F. C. Roberts. No. 1,066,224; July 1; Gaz. vol. 192; p. 115.
- Type-writing machine. W. F. Helmond. No. 1,066,275; July 1; Gaz. vol. 192; p. 133.
- Type-writing machine. C. H. Vogel. No. 1,066,442; July 1; Gaz. vol. 192; p. 186.
- Type-writing machine. J. Waldheim. No. 1,066,443; July 1; Gaz. vol. 192; p. 186.
- Type-writing machine. F. C. Roberts. No. 1,066,657; July 8; Gaz. vol. 192; p. 292.
- Type-writing machine. C. B. Corcoran. No. 1,067,318; July 15; Gaz. vol. 192; p. 555.
- Type-writing machine. J. H. Barr. No. 1,067,392; July 15; Gaz. vol. 192; p. 579.
- Type-writing machine. L. D. Broughton. No. 1,067,401; July 15; Gaz. vol. 192; p. 583.
- Type-writing machine. L. D. Broughton. No. 1,067,402; July 15; Gaz. vol. 192; p. 583.
- Type-writing machine. H. Crutchley. No. 1,067,645; July 15; Gaz. vol. 192; p. 666.
- Type-writing machine. A. G. F. Kurowski. No. 1,067,664; July 15; Gaz. vol. 192; p. 673.
- Type-writing machine. E. C. Lawrence. No. 1,067,746; July 15; Gaz. vol. 192; p. 700.
- Type-writing machine. J. M. Shelton. No. 1,067,764; July 15; Gaz. vol. 192; p. 705.
- Type-writing machine. A. G. F. Kurowski and H. N. McKay. No. 1,067,992; July 22; Gaz. vol. 192; p. 815.
- Type-writing machine. J. J. Cooper. No. 1,068,325; July 22; Gaz. vol. 192; p. 931.
- Type-writing machine. A. G. F. Kurowski. No. 1,068,787; July 29; Gaz. vol. 192; p. 1129.
- Type-writing machine. J. C. McLaughlin. No. 1,069,020; July 29; Gaz. vol. 192; p. 1209.
- Type-writing machine. A. G. F. Kurowski. No. 1,069,149; Aug. 5; Gaz. vol. 193; p. 20.
- Type-writing machine. C. Orbell. No. 1,069,167; Aug. 5; Gaz. vol. 193; p. 27.
- Type-writing machine. R. W. Uhlig. No. 1,069,359; Aug. 5; Gaz. vol. 193; p. 95.
- Type-writing machine. W. J. Roche. No. 1,069,726; Aug. 12; Gaz. vol. 193; p. 249.
- Type-writing machine. L. D. Broughton. No. 1,069,847; Aug. 12; Gaz. vol. 193; p. 291.
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- Type-writing machine. B. C. Stickney. No. 1,070,747; Aug. 19; Gaz. vol. 193; p. 641.
- Type-writing machine. C. B. Yaw. No. 1,071,126; Aug. 26; Gaz. vol. 193; p. 799.
- Type-writing machine. F. L. Morgan. No. 1,071,170; Aug. 26; Gaz. vol. 193; p. 813.
- Type-writing machine. J. McRaven. No. 1,071,254; Aug. 26; Gaz. vol. 193; p. 842.
- Type-writing machine. J. H. Barr. No. 1,071,383; Aug. 26; Gaz. vol. 193; p. 886.
- Type-writing machine. A. G. F. Kurowski. No. 1,071,439; Aug. 26; Gaz. vol. 193; p. 903.
- Type-writing machine. C. B. Yaw. No. 1,071,495; Aug. 26; Gaz. vol. 193; p. 922.
- Type-writing machine. S. H. Farnham, A. W. Smith, and J. Phelps. No. 1,071,612; Aug. 26; Gaz. vol. 193; p. 961.
- Type-writing machine. W. J. Neidig and C. B. Stewart. No. 1,071,780; Sept. 2; Gaz. vol. 194; p. 39.
- Type-writing machine. W. E. Barnard. No. 1,071,860; Sept. 2; Gaz. vol. 194; p. 66.
- Type-writing machine. J. J. Cooper. No. 1,071,885; Sept. 2; Gaz. vol. 194; p. 75.
- Type-writing machine. P. Stern. No. 1,072,191; Sept. 2; Gaz. vol. 194; p. 178.
- Type-writing machine. A. G. F. Kurowski. No. 1,072,386; Sept. 2; Gaz. vol. 194; p. 243.
- Type-writing machine. J. H. Barr. No. 1,072,899; Sept. 9; Gaz. vol. 194; p. 453.
- Type-writing machine. W. E. Barnard. No. 1,073,068; Sept. 9; Gaz. vol. 194; p. 513.
- Type-writing machine. W. E. Barnard. No. 1,073,083; Sept. 16; Gaz. vol. 194; p. 555.
- Type-writing machine. S. H. Farnham, A. W. Smith, and J. Phelps. No. 1,073,577; Sept. 16; Gaz. vol. 194; p. 727.
- Type-writing machine. J. Purdy. No. 1,073,818; Sept. 23; Gaz. vol. 194; p. 832.
- Type-writing machine. E. B. Hess. No. 1,074,093; Sept. 23; Gaz. vol. 194; p. 925.
- Type-writing machine. F. A. Robinson. No. 1,075,496; Oct. 14; Gaz. vol. 195; p. 341.
- Type-writing machine. S. J. Beaudry. No. 1,076,013; Oct. 21; Gaz. vol. 195; p. 545.
- Type-writing machine. J. F. Smathers. No. 1,077,005; Oct. 23; Gaz. vol. 195; p. 946.
- Type-writing machine. H. H. Steele. No. 1,077,495; Nov. 4; Gaz. vol. 196; p. 91.
- Type-writing machine. J. A. Ronchetti. No. 1,077,941; Nov. 4; Gaz. vol. 196; p. 241.
- Type-writing machine. G. A. Seib. No. 1,078,066; Nov. 11; Gaz. vol. 196; p. 315.
- Type-writing machine. C. B. Corcoran. No. 1,078,537; Nov. 11; Gaz. vol. 196; p. 477.
- Type-writing machine. J. A. Hagerstrom. (Reissue.) No. 13,649; Nov. 18; Gaz. vol. 196; p. 778.
- Type-writing machine. C. H. Vogel. No. 1,079,526; Nov. 25; Gaz. vol. 196; p. 879.
- Type-writing machine. H. V. Fengler and V. B. Rouillot. No. 1,079,548; Nov. 25; Gaz. vol. 196; p. 887.
- Type-writing machine. C. H. Vogel. No. 1,079,731; Nov. 25; Gaz. vol. 196; p. 951.
- Type-writing machine. G. A. Seib. No. 1,079,957; Dec. 2; Gaz. vol. 197; p. 12.
- Type-writing machine. C. H. Vogel. No. 1,079,963; Dec. 2; Gaz. vol. 197; p. 14.
- Type-writing machine. C. H. Vogel. No. 1,080,028; Dec. 2; Gaz. vol. 197; p. 38.
- Type-writing machine. J. C. McLaughlin. No. 1,080,117; Dec. 2; Gaz. vol. 197; p. 70.
- Type-writing machine. H. H. Steele. No. 1,080,239; Dec. 2; Gaz. vol. 197; p. 112.
- Type-writing machine. A. J. Briggs. No. 1,080,254; Dec. 2; Gaz. vol. 197; p. 118.
- Type-writing machine. A. G. F. Kurowski. No. 1,080,285; Dec. 2; Gaz. vol. 197; p. 128.
- Type-writing machine. L. H. Friedman. No. 1,081,108; Dec. 9; Gaz. vol. 197; p. 439.
- Type-writing machine. O. Petermann. No. 1,081,145; Dec. 9; Gaz. vol. 197; p. 452.
- Type-writing machine. M. H. Lockwood. No. 1,082,033; Dec. 23; Gaz. vol. 197; p. 818.
- Type-writing machine. A. T. Brown. No. 1,082,262; Dec. 23; Gaz. vol. 197; p. 897.
- Type-writing machine. E. H. Lorenz. No. 1,082,535; Dec. 30; Gaz. vol. 197; p. 1021.
- Type-writing machine. E. H. Lorenz. No. 1,082,536; Dec. 30; Gaz. vol. 197; p. 1021.
- Type-writing machine. E. H. Lorenz. No. 1,082,537; Dec. 30; Gaz. vol. 197; p. 1022.
- Type-writing machine. W. A. Lorenz. No. 1,082,538; Dec. 30; Gaz. vol. 197; p. 1022.
- Type-writing machine. H. W. Merritt. No. 1,082,546; Dec. 30; Gaz. vol. 197; p. 1025.
- Type-writing machine. J. A. Ronchetti. No. 1,082,556; Dec. 30; Gaz. vol. 197; p. 1030.
- Type-writing machine. O. Fischer. No. 1,083,076; Dec. 30; Gaz. vol. 197; p. 1209.
- Type-writing-machine action. J. Alexander. No. 1,077,112; Oct. 28; Gaz. vol. 195; p. 980.
- Type-writing-machine adding attachment. M. C. Crawley. No. 1,050,347; Jan. 14; Gaz. vol. 186; p. 383.
- Type-writing-machine alinement device. R. E. Naumburg. No. 1,066,749; July 8; Gaz. vol. 192; p. 327.
- Type-writing-machine back-spacing mechanism. J. A. Smith. No. 1,052,526; Feb. 11; Gaz. vol. 187; p. 266.
- Type-writing-machine bar mechanism. O. Petermann. No. 1,081,141; Dec. 9; Gaz. vol. 197; p. 451.

Alphabetical list of inventions—Continued.

- Type-writing-machine bar mechanism. O. Petermann. No. 1,081,143; Dec. 9; Gaz. vol. 197; p. 452.
- Type-writing machine, &c., Coin and time controlled. H. Bates. No. 1,063,948; June 10; Gaz. vol. 191; p. 800.
- Type-writing-machine construction. O. Petermann. No. 1,062,027; May 20; Gaz. vol. 190; p. 575.
- Type-writing-machine desk-clamp. J. C. McLaughlin. No. 1,063,716; June 3; Gaz. vol. 191; p. 190.
- Type-writing-machine desk-clamp. L. L. Pritzl. No. 1,064,005; June 10; Gaz. vol. 191; p. 321.
- Type-writing-machine desk-clamp. C. B. Corcoran. No. 1,064,712; June 17; Gaz. vol. 191; p. 598.
- Type-writing machine, Electrically-operated duplicate. B. Kelley. No. 1,078,626; Nov. 18; Gaz. vol. 196; p. 539.
- Type-writing-machine escapement mechanism. J. A. Ronchetti. No. 1,049,767; Jan. 7; Gaz. vol. 186; p. 153.
- Type-writing-machine escapement mechanism. E. B. Hess. No. 1,072,118; Sept. 2; Gaz. vol. 194; p. 154.
- Type-writing machine for printing notes. F. Groyen. No. 1,074,858; Oct. 7; Gaz. vol. 195; p. 91.
- Type-writing-machine keyboard. O. Petermann. No. 1,081,140; Dec. 9; Gaz. vol. 197; p. 451.
- Type-writing machine, Music. L. Fortoni. No. 1,073,976; Sept. 23; Gaz. vol. 194; p. 887.
- Type-writing-machine paper-feed mechanism. O. C. Kavle. No. 1,050,547; Jan. 14; Gaz. vol. 186; p. 455.
- Type-writing-machine paper-guide. E. W. Bache. No. 1,055,853; Mar. 11; Gaz. vol. 188; p. 439.
- Type-writing-machine platen. G. S. Anderson. No. 1,062,428; May 20; Gaz. vol. 190; p. 710.
- Type-writing-machine ribbon feeding and operating mechanism. J. Alexander. No. 1,077,238; Oct. 28; Gaz. vol. 195; p. 1020.
- Type-writing-machine ribbon guiding and lifting attachment. A. Lopez. No. 1,049,742; Jan. 7; Gaz. vol. 186; p. 144.
- Type-writing-machine ribbon mechanism. O. C. Kavle. No. 1,065,531; June 24; Gaz. vol. 191; p. 907.
- Type-writing-machine ribbon mechanism. L. C. Myers. No. 1,072,148; Sept. 2; Gaz. vol. 194; p. 164.
- Type-writing-machine ribbon mechanism. J. A. Ziegler. No. 1,082,104; Dec. 23; Gaz. vol. 197; p. 842.
- Type-writing-machine spring-barrel mechanism. L. C. Myers. No. 1,072,149; Sept. 2; Gaz. vol. 194; p. 165.
- Type-writing-machine stand. F. A. Hart. No. 1,063,878; June 3; Gaz. vol. 191; p. 241.
- Type-writing-machine stand. H. Bates. No. 1,081,198; Dec. 9; Gaz. vol. 197; p. 470.
- Type-writing machine, &c., stands, Caster raising and lowering device for. A. G. F. Kurowski. No. 1,082,160; Dec. 23; Gaz. vol. 197; p. 859.
- Type-writing-machine stop mechanism. C. H. Gill. No. 1,066,099; July 1; Gaz. vol. 192; p. 69.
- Type-writing-machine tabulating mechanism. O. C. Kavle. No. 1,050,548; Jan. 14; Gaz. vol. 186; p. 455.
- Type-writing-machine tabulating mechanism. C. Gabrielson. No. 1,058,230; Apr. 8; Gaz. vol. 189; p. 331.
- Type-writing-machine tally attachment. G. F. Watt. No. 1,082,057; Dec. 23; Gaz. vol. 197; p. 826.
- Type-writing-machine type-bar. A. Schneeloch and J. L. Smith. No. 1,061,018; May 6; Gaz. vol. 190; p. 159.
- Type-writing-machine type-bar guide. L. Myers. No. 1,058,688; Apr. 8; Gaz. vol. 189; p. 488.
- Type-writing-machine type-bars, Ball-bearing for. O. C. Kavle. No. 1,060,003; Apr. 29; Gaz. vol. 189; p. 1052.
- Type-writing-machine type-lock. G. W. Davis and J. S. Dumas. No. 1,054,397; Feb. 25; Gaz. vol. 187; p. 986.
- Type-writing machines and the like, Silencing and anti-collision support for. H. H. Yelf. No. 1,079,037; Nov. 18; Gaz. vol. 196; p. 684.
- Type-writing machines, Dead-key mechanism for. T. L. Knapp. No. 1,063,977; June 10; Gaz. vol. 191; p. 310.
- Type-writing machines, &c., Stand for. F. A. Hart. No. 1,063,877; June 3; Gaz. vol. 191; p. 241.
- Type-writing machines, Type-bar-bearing support for. O. C. Kavle. No. 1,055,756; Mar. 11; Gaz. vol. 188; p. 406.
- Type-writing musical signs and indications. Machine for. J. S. Rivera. No. 1,063,470; June 3; Gaz. vol. 191; p. 101.
- Type-writing paper, Line-indicator for. J. A. G. Harton. No. 1,064,475; June 10; Gaz. vol. 191; p. 483.
- Types in Semitic languages, Machine for the casting and composing of single. F. H. Pierpont. No. 1,061,560; May 13; Gaz. vol. 190; p. 380.
- Types, Printing. C. T. Libby. No. 1,051,243; Jan. 21; Gaz. vol. 186; p. 726.
- Typograph. U. G. Lee. No. 1,051,239; Jan. 21; Gaz. vol. 186; p. 724.
- Typograph. U. G. Lee. No. 1,051,240; Jan. 21; Gaz. vol. 186; p. 724.
- Typograph. W. A. Reade. No. 1,069,176; Aug. 5; Gaz. vol. 193; p. 30.
- Typograph, Keyboard. U. G. Lee. No. 1,051,241; Jan. 21; Gaz. vol. 186; p. 725.
- Typographic machine. E. B. Barber. No. 1,054,384; Feb. 25; Gaz. vol. 187; p. 981.
- Typographic machine. E. B. Barber. No. 1,054,489; Feb. 25; Gaz. vol. 187; p. 1017.
- Typographic machine. J. D. Morgan. No. 1,056,042; Mar. 18; Gaz. vol. 188; p. 536.
- Typographic machine. F. C. L. D'Aix. No. 1,062,770; May 27; Gaz. vol. 190; p. 864.
- Typographic machine. R. M. Bedell. No. 1,076,184; Oct. 21; Gaz. vol. 195; p. 603.
- Typographic machine. F. C. L. D'Aix. No. 1,083,195; Dec. 30; Gaz. vol. 197; p. 1243.
- Typographic surfaces, Means for positioning. A. L. Saltzman and J. D. Morgan. No. 1,056,839; Mar. 25; Gaz. vol. 188; p. 839.
- Typographical casting-machine. A. A. Ball, Jr. No. 1,076,343; Oct. 21; Gaz. vol. 195; p. 659.
- Typographical line-casting machine. C. Muehleisen. No. 1,058,321; Apr. 8; Gaz. vol. 189; p. 363.
- Typographical line-casting machine. H. Degener. No. 1,076,487; Oct. 21; Gaz. vol. 195; p. 709.
- Typographical machine. J. R. Rogers. No. 1,053,440; Feb. 18; Gaz. vol. 187; p. 623.
- Typographical machine. P. T. Dodge. No. 1,056,267; Mar. 18; Gaz. vol. 188; p. 614.
- Typographical machine. J. R. Rogers. No. 1,057,455; Apr. 1; Gaz. vol. 189; p. 21.
- Typographical machine. G. Laemmer. No. 1,063,979; June 10; Gaz. vol. 191; p. 311.
- Typographical machine. C. C. Burdine. No. 1,067,503; July 15; Gaz. vol. 192; p. 618.
- Typographical machine. D. S. Kennedy. No. 1,072,737; Sept. 9; Gaz. vol. 194; p. 394.
- Typographical machine. L. E. Morrison. No. 1,072,763; Sept. 9; Gaz. vol. 194; p. 402.
- Typographical machine. J. R. Rogers. No. 1,073,170; Sept. 16; Gaz. vol. 194; p. 585.
- Typographical machine. P. T. Dodge. No. 1,074,848; Oct. 7; Gaz. vol. 195; p. 88.
- Typographical machine. D. S. Kennedy. No. 1,074,956; Oct. 7; Gaz. vol. 195; p. 124.
- Typographical machine. R. O. Boardman. No. 1,075,138; Oct. 7; Gaz. vol. 195; p. 189.
- Typographical machine. J. McNamara. No. 1,076,140; Oct. 21; Gaz. vol. 195; p. 588.
- Typographical machine. R. O. Boardman. No. 1,076,187; Oct. 21; Gaz. vol. 195; p. 604.
- Typographical machine. P. T. Dodge. No. 1,076,409; Oct. 21; Gaz. vol. 195; p. 682.
- Typographical machine. N. Dodge. No. 1,077,397; Nov. 4; Gaz. vol. 196; p. 55.
- Typographical machine. S. D. Handlin. No. 1,077,604; Nov. 4; Gaz. vol. 196; p. 125.
- Typographical machine. D. S. Kennedy. No. 1,077,721; Nov. 4; Gaz. vol. 196; p. 164.
- Typographical machine. P. T. Dodge. No. 1,079,478; Nov. 25; Gaz. vol. 196; p. 863.
- Typographical machine. D. S. Kennedy. No. 1,079,498; Nov. 25; Gaz. vol. 196; p. 871.
- Typographical machine. L. L. Kennedy. No. 1,080,349; Dec. 2; Gaz. vol. 197; p. 152.
- Typographical machine. G. P. Kingsbury. No. 1,080,351; Dec. 2; Gaz. vol. 197; p. 153.
- Typographical machine. D. S. Kennedy. No. 1,081,754; Dec. 16; Gaz. vol. 197; p. 693.
- Typographical machine. N. Dodge. No. 1,082,114; Dec. 23; Gaz. vol. 197; p. 844.
- Typographical machines, Pi-stacking device for. N. Dodge. No. 1,078,612; Nov. 18; Gaz. vol. 196; p. 534.
- Udder-clamp for cows. H. E. Knudson. No. 1,059,168; Apr. 15; Gaz. vol. 189; p. 692.
- Umbrella. F. D. Philp. No. 1,049,764; Jan. 7; Gaz. vol. 186; p. 152.
- Umbrella. H. E. Daggett. No. 1,051,698; Jan. 28; Gaz. vol. 186; p. 912.
- Umbrella. H. Miller. No. 1,052,684; Feb. 11; Gaz. vol. 187; p. 319.
- Umbrella. C. E. Waterworth. No. 1,053,762; Feb. 18; Gaz. vol. 187; p. 734.
- Umbrella. J. Orlowski. No. 1,054,445; Feb. 25; Gaz. vol. 187; p. 1002.
- Umbrella. F. P. Anello. No. 1,055,694; Mar. 11; Gaz. vol. 188; p. 385.
- Umbrella. O. Tatro. No. 1,057,897; Apr. 1; Gaz. vol. 189; p. 172.
- Umbrella. W. H. Taylor. No. 1,066,061; July 1; Gaz. vol. 192; p. 55.
- Umbrella. J. A. McNamara. No. 1,067,435; July 15; Gaz. vol. 192; p. 594.
- Umbrella. C. D. Roberts. No. 1,068,275; July 22; Gaz. vol. 192; p. 913.
- Umbrella. J. R. Hopkins. No. 1,070,894; Aug. 19; Gaz. vol. 193; p. 687.
- Umbrella. M. Carrau. No. 1,078,414; Nov. 11; Gaz. vol. 196; p. 437.
- Umbrella. J. W. Lewis. No. 1,081,126; Dec. 9; Gaz. vol. 197; p. 445.
- Umbrella and parasol attachment. O. N. Hall. No. 1,068,428; July 29; Gaz. vol. 192; p. 1005.
- Umbrella and parasol rib and stretcher, Butt of an. J. Lutz. No. 1,053,617; Feb. 18; Gaz. vol. 187; p. 683.
- Umbrella attachment. O. W. Walter. No. 1,062,206; May 20; Gaz. vol. 190; p. 636.

Alphabetical list of inventions—Continued.

- Umbrella, Automatic folding. B. J. McCabe. No. 1,063,989; June 10; Gaz. vol. 191; p. 314.
- Umbrella, Book-. J. Sweeney. No. 1,080,025; Dec. 2; Gaz. vol. 197; p. 37.
- Umbrella, Collapsible. W. M. Craig. No. 1,050,346; Jan. 14; Gaz. vol. 186; p. 383.
- Umbrella, Collapsible. H. G. Hanson. No. 1,056,022; Mar. 18; Gaz. vol. 188; p. 530.
- Umbrella construction. H. E. Schultz, Jr., and F. Weteroth. No. 1,060,712; May 6; Gaz. vol. 190; p. 52.
- Umbrella-cover. A. E. Myers. No. 1,082,645; Dec. 30; Gaz. vol. 197; p. 1061.
- Umbrella-covers, Fabric for. D. R. Houser. No. 1,074,053; Sept. 23; Gaz. vol. 194; p. 912.
- Umbrella drip-cup. F. H. Chavarria. No. 1,068,566; July 29; Gaz. vol. 192; p. 1051.
- Umbrella, Folding. W. G. Hoffman. No. 1,049,360; Jan. 7; Gaz. vol. 186; p. 14.
- Umbrella, Folding. F. A. Lundquist. No. 1,049,743; Jan. 7; Gaz. vol. 186; p. 144.
- Umbrella, Folding. F. Podmaniczky. No. 1,052,954; Feb. 11; Gaz. vol. 187; p. 412.
- Umbrella, Folding. L. Larsen. No. 1,055,924; Mar. 11; Gaz. vol. 188; p. 461.
- Umbrella, Folding. J. H. Allen. No. 1,058,213; Apr. 8; Gaz. vol. 189; p. 325.
- Umbrella, Folding. W. H. R. Umstead. No. 1,058,928; Apr. 15; Gaz. vol. 189; p. 610.
- Umbrella, Folding. J. Peterson. No. 1,060,555; Apr. 29; Gaz. vol. 189; p. 1243.
- Umbrella, Folding. F. F. Hilditch. No. 1,061,075; May 6; Gaz. vol. 190; p. 178.
- Umbrella, Folding. J. F. McAllister. No. 1,061,305; May 13; Gaz. vol. 190; p. 289.
- Umbrella, Folding. J. W. Olsson. No. 1,063,378; June 3; Gaz. vol. 191; p. 71.
- Umbrella, Folding. D. A. Cavallar. No. 1,063,931; June 3; Gaz. vol. 191; p. 261.
- Umbrella, Folding. G. W. Allen. No. 1,064,588; June 10; Gaz. vol. 191; p. 520.
- Umbrella, Folding. A. A. Gabrielson. No. 1,065,123; June 17; Gaz. vol. 191; p. 732.
- Umbrella, Folding. A. Salof. No. 1,065,729; June 24; Gaz. vol. 191; p. 973.
- Umbrella, Folding. C. J. Thim. No. 1,066,864; July 8; Gaz. vol. 192; p. 364.
- Umbrella, Folding. A. Weber. No. 1,068,376; July 22; Gaz. vol. 192; p. 948.
- Umbrella, Folding. C. P. Carrington, T. and R. L. Susemihl. No. 1,068,564; July 29; Gaz. vol. 192; p. 1050.
- Umbrella, Folding. J. H. Long. No. 1,071,762; Sept. 2; Gaz. vol. 194; p. 32.
- Umbrella, Folding. J. M. Beaver. No. 1,073,562; Sept. 16; Gaz. vol. 194; p. 721.
- Umbrella, Folding. J. Bialozyt. No. 1,083,050; Dec. 30; Gaz. vol. 197; p. 1200.
- Umbrella, Folding. L. Messinger. No. 1,083,123; Dec. 30; Gaz. vol. 197; p. 1224.
- Umbrella-holder. J. Henry. No. 1,066,205; July 1; Gaz. vol. 192; p. 108.
- Umbrella or other rods, Device for attaching handles to. J. Forsheim and J. Konigsberg. No. 1,062,903; May 27; Gaz. vol. 190; p. 909.
- Umbrella or parasol. E. E. Tschudy. No. 1,079,198; Nov. 18; Gaz. vol. 196; p. 739.
- Umbrella, &c., rack. S. J. Cox. No. 1,050,519; Jan. 14; Gaz. vol. 186; p. 444.
- Umbrella-rib. J. Rose. No. 1,064,994; June 17; Gaz. vol. 191; p. 689.
- Umbrella rib and socket. F. W. Simons. No. 1,078,069; Nov. 11; Gaz. vol. 196; p. 316.
- Umbrella-rib-holding device. A. W. Lawnin. No. 1,057,156; Mar. 25; Gaz. vol. 188; p. 949.
- Umbrella-runner lock. C. H. Reid. No. 1,055,654; Mar. 11; Gaz. vol. 188; p. 371.
- Umbrella-runner-locking device. J. Bosnyákovits. No. 1,051,191; Jan. 21; Gaz. vol. 186; p. 708.
- Umbrella-steamer. S. I. Goldstein. No. 1,069,123; Aug. 5; Gaz. vol. 193; p. 12.
- Umbrella-stick. F. Person. No. 1,054,026; Feb. 25; Gaz. vol. 187; p. 859.
- Umbrella-suspending device. C. H. Reed. No. 1,068,273; July 22; Gaz. vol. 192; p. 912.
- Umbrellas and the like in closed position, Means for retaining the ends of the ribs of. A. A. Revel. No. 1,073,631; Sept. 23; Gaz. vol. 194; p. 766.
- Umbrellas, &c., Attachment for. M. J. Whitehead. No. 1,061,029; May 6; Gaz. vol. 190; p. 164.
- Umbrellas, Geat for folding. M. F. Marean. No. 1,059,181; Apr. 15; Gaz. vol. 189; p. 697.
- Umbrellas, &c., Locking device for. L. Williams. No. 1,065,858; June 24; Gaz. vol. 191; p. 1017.
- Unbuttoning device. J. F. Schwery. No. 1,074,649; Oct. 7; Gaz. vol. 195; p. 22.
- Uncoupling device. C. A. Carscadin and G. A. Woodman. No. 1,079,395; Nov. 25; Gaz. vol. 196; p. 835.
- Uncoupling-machine. W. and J. Kelso. No. 1,066,282; July 1; Gaz. vol. 192; p. 135.
- Uncoupling mechanism. H. F. Woernley. No. 1,071,849; Sept. 2; Gaz. vol. 194; p. 62.
- Underframe. J. M. Rohlfing. No. 1,066,532; July 8; Gaz. vol. 192; p. 248.
- Underframe. V. M. Summa. No. 1,066,548; July 8; Gaz. vol. 192; p. 254.
- Underframe. J. M. Ames. No. 1,066,568; July 8; Gaz. vol. 192; p. 261.
- Underframe. J. M. Rohlfing. No. 1,078,309; Nov. 11; Gaz. vol. 196; p. 401.
- Underframe. J. M. Rohlfing. No. 1,078,310; Nov. 11; Gaz. vol. 196; p. 401.
- Undergarment. W. S. Elder. No. 1,050,931; Jan. 21; Gaz. vol. 186; p. 621.
- Undergarment. B. L. Heacock. No. 1,062,398; May 20; Gaz. vol. 190; p. 701.
- Undergarment. H. J. Page. No. 1,069,073; July 29; Gaz. vol. 192; p. 1227.
- Undergarment. J. F. Nichols. No. 1,071,077; Aug. 26; Gaz. vol. 193; p. 783.
- Undergarment. C. F. Schultz. No. 1,073,782; Sept. 23; Gaz. vol. 194; p. 821.
- Undergarment. C. J. Baker. No. 1,081,196; Dec. 9; Gaz. vol. 197; p. 469.
- Undergarment. W. S. Elder. No. 1,083,069; Dec. 30; Gaz. vol. 197; p. 1206.
- Undergarment, Infant's. L. K. Fanta. No. 1,050,934; Jan. 21; Gaz. vol. 186; p. 622.
- Undergarment, Lady's negligée. V. Whittington. No. 1,073,724; Sept. 23; Gaz. vol. 194; p. 802.
- Undergarment, Union. F. C. Rickert. No. 1,081,866; Dec. 16; Gaz. vol. 197; p. 733.
- Undergarment, Woman's. E. Emmers. No. 1,058,954; Apr. 15; Gaz. vol. 189; p. 619.
- Underreamer. W. W. Wilson. No. 1,078,568; Nov. 11; Gaz. vol. 196; p. 487.
- Underreamer. R. E. Bole. No. 1,080,135; Dec. 2; Gaz. vol. 197; p. 76.
- Underreamer. W. Wagner. No. 1,080,666; Dec. 9; Gaz. vol. 197; p. 290.
- Underreamer, Rotary. A. J. Snow and A. M. Kidd. No. 1,049,774; Jan. 7; Gaz. vol. 186; p. 156.
- Undershirt and similar article. H. H. Condit. No. 1,077,188; Oct. 28; Gaz. vol. 195; p. 1003.
- Undertaker's fixture. W. P. Henn. No. 1,065,364; June 24; Gaz. vol. 191; p. 850.
- Underwaist. I. Miller. No. 1,068,689; July 29; Gaz. vol. 192; p. 1095.
- Underwaist. I. Miller. No. 1,068,690; July 29; Gaz. vol. 192; p. 1095.
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- Underwear, Lady's. H. G. G. Querns. No. 1,078,217; Nov. 11; Gaz. vol. 196; p. 367.
- Uniform, Protective. A. M. Blackwell. No. 1,061,808; May 13; Gaz. vol. 190; p. 460.
- Union. C. H. Windsor. No. 1,069,916; Aug. 12; Gaz. vol. 193; p. 315.
- Union-head machine. H. O. Evans. No. 1,070,590; Aug. 19; Gaz. vol. 193; p. 588.
- Union suit. K. H. White. No. 1,057,602; Apr. 1; Gaz. vol. 189; p. 71.
- Union suit. W. S. Elder. No. 1,061,732; May 13; Gaz. vol. 190; p. 438.
- Union suit. M. M. Henderson. No. 1,070,340; Aug. 12; Gaz. vol. 193; p. 460.
- Union suit. F. L. Barnes and J. McGoey. No. 1,074,309; Sept. 30; Gaz. vol. 194; p. 1026.
- Union suit, Separable. W. W. Wyer. No. 1,073,833; Sept. 23; Gaz. vol. 194; p. 837.
- Universal joint. R. H. Lowndes. No. 1,058,878; Apr. 15; Gaz. vol. 189; p. 593.
- Universal joint. E. Betts. No. 1,066,425; July 1; Gaz. vol. 192; p. 180.
- Universal joint. J. F. Wilkinson. No. 1,071,377; Aug. 26; Gaz. vol. 193; p. 884.
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- Universal joint. R. Huff. No. 1,080,111; Dec. 2; Gaz. vol. 197; p. 68.
- Universal joint and casing thereof, Incased. C. W. Spicer. No. 1,051,025; Jan. 21; Gaz. vol. 186; p. 653.
- Universal motor. J. Burke. No. 1,053,940; Feb. 18; Gaz. vol. 187; p. 792.
- Unloading apparatus. O. O. Mortenson. No. 1,051,748; Jan. 28; Gaz. vol. 186; p. 928.
- Unloading apparatus. F. H. Kindl. No. 1,058,306; Apr. 8; Gaz. vol. 189; p. 357.
- Unloading device. I. B. Libbey. No. 1,054,576; Feb. 25; Gaz. vol. 187; p. 1047.
- Upholstery, Spring. F. Zingg. No. 1,052,706; Feb. 11; Gaz. vol. 187; p. 326.
- Upholstery-spring construction. L. A. Young. No. 1,058,285; Apr. 8; Gaz. vol. 189; p. 349.
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- Urinal. C. Weelans. No. 1,070,643; Aug. 19; Gaz. vol. 193; p. 605.
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- Vacuum-box. C. L. Orsborn. No. 1,051,439; Jan. 28; Gaz. vol. 186; p. 825.
- Vacuum-brake. J. T. Dickson. No. 1,076,198; Oct. 21; Gaz. vol. 195; p. 607.
- Vacuum-cleaner. G. Schuele and E. E. Ilgenfritz. No. 1,053,653; Feb. 18; Gaz. vol. 187; p. 695.
- Vacuum-cleaner. G. H. King. No. 1,054,354; Feb. 25; Gaz. vol. 187; p. 971.
- Vacuum-cleaner. J. J. Duffie. No. 1,057,812; Apr. 1; Gaz. vol. 189; p. 143.
- Vacuum-cleaner. J. T. Atwood. No. 1,060,964; May 6; Gaz. vol. 190; p. 140.
- Vacuum-cleaner. W. T. White. No. 1,064,412; June 10; Gaz. vol. 191; p. 461.
- Vacuum-cleaner. T. R. Sigafos. No. 1,067,446; July 15; Gaz. vol. 192; p. 598.
- Vacuum-cleaner. H. H. Harrold. No. 1,067,813; July 22; Gaz. vol. 192; p. 756.
- Vacuum-cleaner. H. T. Rodden. No. 1,074,744; Oct. 7; Gaz. vol. 195; p. 55.
- Vacuum-cleaner. J. B. Young. No. 1,075,957; Oct. 14; Gaz. vol. 195; p. 497.
- Vacuum-cleaner. J. W. Smith. No. 1,077,008; Oct. 28; Gaz. vol. 195; p. 947.
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- Vacuum-cleaner bellows attachment. G. Clements. No. 1,060,742; May 6; Gaz. vol. 190; p. 62.
- Vacuum-cleaner discharging device. J. H. Templin. No. 1,080,789; Dec. 9; Gaz. vol. 197; p. 334.
- Vacuum-cleaner handle-clips. G. Clements. No. 1,082,069; Dec. 23; Gaz. vol. 197; p. 830.
- Vacuum-cleaner nozzle. G. B. Stewart. No. 1,054,052; Feb. 25; Gaz. vol. 187; p. 867.
- Vacuum-cleaners, Pumping means for. C. W. Stewart. No. 1,073,539; Sept. 16; Gaz. vol. 194; p. 712.
- Vacuum cleaning apparatus. E. B. and A. F. Dunn. No. 1,068,635; July 29; Gaz. vol. 192; p. 1076.
- Vacuum cleaning apparatus. C. Swann. No. 1,078,469; Nov. 11; Gaz. vol. 196; p. 455.
- Vacuum cleaning apparatus. T. J. and D. M. Winans. No. 1,078,651; Nov. 18; Gaz. vol. 196; p. 547.
- Vacuum cleaning apparatus. J. P. Clifton. No. 1,080,420; Dec. 2; Gaz. vol. 197; p. 177.
- Vacuum cleaning device. H. B. Mertz. No. 1,062,837; May 27; Gaz. vol. 190; p. 886.
- Vacuum cleaning device. A. Best. No. 1,078,185; Nov. 11; Gaz. vol. 196; p. 355.
- Vacuum cleaning-tool. F. W. Van Ness. No. 1,053,683; Feb. 18; Gaz. vol. 187; p. 706.
- Vacuum cleaning-tool. E. M. Kent. No. 1,060,191; Apr. 29; Gaz. vol. 189; p. 1115.
- Vacuum-creating apparatus. C. G. Campbell and M. Benbrook. No. 1,053,155; Feb. 18; Gaz. vol. 187; p. 524.
- Vacuum-creator. E. Hearing. No. 1,067,653; July 15; Gaz. vol. 192; p. 669.
- Vacuum-drier. O. S. Sleeper. No. 1,074,903; Oct. 7; Gaz. vol. 195; p. 107.
- Vacuum-driers, Feeding material to and from. F. J. Stokes. No. 1,080,602; Dec. 9; Gaz. vol. 197; p. 269.
- Vacuum-governor, Automatic. F. J. Matchette. No. 1,071,936; Sept. 2; Gaz. vol. 194; p. 92.
- Vacuum-hood. J. F. Jennings. No. 1,054,208; Feb. 25; Gaz. vol. 187; p. 921.
- Vacuum or pressure gage. J. F. Semniance and J. Abady. No. 1,064,555; June 10; Gaz. vol. 191; p. 508.
- Vacuum-package and means for sealing same. G. Staunton. No. 1,079,450; Nov. 25; Gaz. vol. 196; p. 853.
- Vacuum-pot. F. B. Miller. No. 1,057,655; Apr. 1; Gaz. vol. 189; p. 88.
- Vacuum-producers, Air-circulating system for. C. G. Campbell and M. Benbrook. No. 1,053,156; Feb. 18; Gaz. vol. 187; p. 525.
- Vacuum-producing device. W. and J. Birrell. No. 1,073,467; Sept. 16; Gaz. vol. 194; p. 691.
- Vacuum-producing device. H. Taylor. No. 1,082,568; Dec. 30; Gaz. vol. 197; p. 1034.
- Vacuum separating-trap. W. F. Coakley and J. S. Levene. No. 1,079,398; Nov. 25; Gaz. vol. 196; p. 837.
- Vacuum sticker or attaching device. J. P. Everetts. No. 1,065,307; June 17; Gaz. vol. 191; p. 792.
- Vacuum-sweeper. F. J. Quist and M. Blanch. (Reissue.) No. 13,508; Jan. 7; Gaz. vol. 186; p. 267.
- Vacuum-tube. H. Green. No. 1,068,426; July 29; Gaz. vol. 192; p. 1004.
- Vacuum-tubes, Mechanical joint for. D. M. Moore. No. 1,063,996; June 10; Gaz. vol. 191; p. 318.
- Vacuums, Method and apparatus for producing high. W. Gaede. No. 1,069,408; Aug. 5; Gaz. vol. 193; p. 112.
- Valve. C. G. Woods. No. 1,049,793; Jan. 7; Gaz. vol. 186; p. 162.
- Valve. T. A. Nelson. No. 1,050,225; Jan. 14; Gaz. vol. 186; p. 341.
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- Valve. E. L. Emory. No. 1,050,724; Jan. 14; Gaz. vol. 186; p. 511.
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- Valve. M. J. Walsh. No. 1,052,536; Feb. 11; Gaz. vol. 187; p. 268.
- Valve. J. J. Meyer. No. 1,052,939; Feb. 11; Gaz. vol. 187; p. 408.
- Valve. A. Rabitaille. No. 1,053,434; Feb. 18; Gaz. vol. 187; p. 621.
- Valve. J. Hewitt. No. 1,053,992; Feb. 25; Gaz. vol. 187; p. 847.
- Valve. A. W. Schramm. No. 1,054,457; Feb. 25; Gaz. vol. 187; p. 1006.
- Valve. J. W. Smith. No. 1,055,092; Mar. 4; Gaz. vol. 188; p. 150.
- Valve. J. B. Woodworth. No. 1,055,117; Mar. 4; Gaz. vol. 188; p. 156.
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- Valve. N. B. Mitchell and J. W. Taggart, Sr. No. 1,055,781; Mar. 11; Gaz. vol. 188; p. 415.
- Valve. G. P. Aborn. No. 1,055,995; Mar. 18; Gaz. vol. 188; p. 521.
- Valve. G. P. Aborn. No. 1,055,996; Mar. 18; Gaz. vol. 188; p. 521.
- Valve. R. T. Mullen and J. W. McKelvey. No. 1,056,114; Mar. 18; Gaz. vol. 188; p. 561.
- Valve. M. J. McCloud. No. 1,056,432; Mar. 18; Gaz. vol. 188; p. 669.
- Valve. J. Melio. No. 1,056,925; Mar. 25; Gaz. vol. 188; p. 869.
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- Valve. P. H. Delano. No. 1,057,226; Mar. 25; Gaz. vol. 188; p. 974.
- Valve. A. Watson. No. 1,057,308; Mar. 25; Gaz. vol. 188; p. 1000.
- Valve. L. Lavergne dit Renaud. No. 1,057,435; Apr. 1; Gaz. vol. 189; p. 15.
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- Valve. F. L. Cross. No. 1,057,621; Apr. 1; Gaz. vol. 189; p. 77.
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- Valve. J. W. Calhoun. No. 1,061,044; May 6; Gaz. vol. 190; p. 169.
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- Valve. C. Spillan. No. 1,061,698; May 13; Gaz. vol. 190; p. 427.
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- Valve. A. L. Delvaux. No. 1,062,144; May 20; Gaz. vol. 190; p. 615.
- Valve. R. Delaunay-Belleville. No. 1,062,213; May 20; Gaz. vol. 190; p. 638.
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- Valve. N. W. Race. No. 1,064,376; June 10; Gaz. vol. 191; p. 447.
- Valve. L. L. Ole. No. 1,065,466; June 24; Gaz. vol. 191; p. 885.
- Valve. J. Kelly. No. 1,066,820; July 8; Gaz. vol. 192; p. 348.
- Valve. A. J. Adams. No. 1,067,232; July 15; Gaz. vol. 192; p. 525.
- Valve. A. R. Pribil. No. 1,068,927; July 29; Gaz. vol. 192; p. 1179.
- Valve. W. M. Saefke. No. 1,069,188; Aug. 5; Gaz. vol. 193; p. 35.
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- Valve. M. J. Rosenstein. No. 1,069,648; Aug. 5; Gaz. vol. 193; p. 191.
- Valve. B. Puskás. No. 1,069,725; Aug. 12; Gaz. vol. 193; p. 249.
- Valve. T. F. Payne. No. 1,070,624; Aug. 19; Gaz. vol. 193; p. 599.
- Valve. W. L. Osborne. No. 1,070,720; Aug. 19; Gaz. vol. 193; p. 630.
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- Valve. G. L. Reenstierna. No. 1,071,627; Aug. 26; Gaz. vol. 193; p. 966.
- Valve. F. F. Landis. No. 1,071,759; Sept. 2; Gaz. vol. 194; p. 31.
- Valve. W. S. Fairhurst. No. 1,073,338; Sept. 16; Gaz. vol. 194; p. 645.
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- Valve. T. White. No. 1,076,802; Oct. 28; Gaz. vol. 195; p. 874.
- Valve. F. Leadbeater. No. 1,076,895; Oct. 28; Gaz. vol. 195; p. 908.
- Valve. A. A. Bowser. No. 1,079,104; Nov. 18; Gaz. vol. 196; p. 706.
- Valve. D. Dennehy. No. 1,079,222; Nov. 18; Gaz. vol. 196; p. 746.
- Valve. C. E. Trinder. No. 1,080,791; Dec. 9; Gaz. vol. 197; p. 335.
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- Valve. F. Nielsen. No. 1,082,232; Dec. 23; Gaz. vol. 197; p. 885.
- Valve, Acid-. R. T. Evans and W. G. Nord. No. 1,057,717; Apr. 1; Gaz. vol. 189; p. 110.
- Valve-actuating gear for steam tramping-presses. W. B. Christopher. No. 1,071,701; Sept. 2; Gaz. vol. 194; p. 10.
- Valve-actuating means, Automatic. I. Cowles. No. 1,069,604; Aug. 5; Gaz. vol. 193; p. 177.
- Valve-actuating means for internal-combustion engines. J. Scheitler. No. 1,065,001; June 17; Gaz. vol. 191; p. 691.
- Valve-actuating mechanism for internal-combustion engines. K. Steinbecker. No. 1,067,671; July 8; Gaz. vol. 192; p. 297.
- Valve, Adjustable fluid-tight packingless. G. T. Huxford. No. 1,069,067; July 29; Gaz. vol. 192; p. 1225.
- Valve, Admission-. C. Rorabeck. No. 1,066,755; July 8; Gaz. vol. 192; p. 329.
- Valve, Air-. J. H. Reece. No. 1,052,173; Feb. 4; Gaz. vol. 187; p. 115.
- Valve, Air-. H. M. Stillman. No. 1,054,651; Feb. 25; Gaz. vol. 187; p. 1072.
- Valve, Air-. F. H. Sauer. No. 1,062,802; May 27; Gaz. vol. 190; p. 875.
- Valve, Air-. L. A. Vidy. No. 1,066,066; July 1; Gaz. vol. 192; p. 57.
- Valve, Air-. J. M. Chambers. No. 1,075,332; Oct. 14; Gaz. vol. 195; p. 283.
- Valve, Alarm-. A. C. Rowley. No. 1,082,447; Dec. 23; Gaz. vol. 197; p. 959.
- Valve and emergency-switch, Combined conductor's. F. Hedley and J. S. Doyle. No. 1,082,951; Dec. 30; Gaz. vol. 197; p. 1168.
- Valve and gooseneck, Combined locomotive tank-. M. J. McGee. No. 1,067,186; July 8; Gaz. vol. 192; p. 472.
- Valve and governor, Combined. S. R. Adams and L. H. Jackson. No. 1,079,626; Nov. 25; Gaz. vol. 196; p. 915.
- Valve and lighter, Gas-burner. J. Holtzman. No. 1,072,615; Sept. 9; Gaz. vol. 194; p. 352.
- Valve and pressure-governor, Combined tire-. D. C. McMillion. No. 1,053,623; Feb. 18; Gaz. vol. 187; p. 685.
- Valve, Antiscalding-bath shower-. C. H. Moore. No. 1,066,213; July 1; Gaz. vol. 192; p. 111.
- Valve apparatus. E. P. Noyes. No. 1,069,166; Aug. 5; Gaz. vol. 193; p. 26.
- Valve, Atomizing and mixing. W. D. C. Wright. No. 1,078,816; Nov. 18; Gaz. vol. 196; p. 607.
- Valve, Automatic. L. L. Rowe. No. 1,053,956; Feb. 18; Gaz. vol. 187; p. 797.
- Valve, Automatic. H. J. Long. No. 1,055,478; Mar. 11; Gaz. vol. 188; p. 314.
- Valve, Automatic. J. B. Morgan. No. 1,068,154; July 22; Gaz. vol. 192; p. 871.
- Valve, Automatic. J. H. Lamont. No. 1,070,820; Aug. 19; Gaz. vol. 193; p. 664.
- Valve, Automatic. E. V. Anderson. No. 1,077,503; Nov. 4; Gaz. vol. 196; p. 94.
- Valve, Automatic air-. B. Catchings. No. 1,049,992; Jan. 7; Gaz. vol. 186; p. 227.
- Valve, Automatic air-escape. C. Lauterbach. No. 1,073,354; Sept. 16; Gaz. vol. 194; p. 651.
- Valve, Automatic controlling-. E. K. McKinley. No. 1,075,662; Oct. 14; Gaz. vol. 195; p. 397.
- Valve, Automatic cut-off. W. B. Ford. No. 1,081,822; Dec. 16; Gaz. vol. 197; p. 718.
- Valve, Automatic equalizing-. A. M. Starkey. No. 1,053,666; Feb. 18; Gaz. vol. 187; p. 700.
- Valve, Automatic gas-. C. R. Diehl. No. 1,057,625; Apr. 1; Gaz. vol. 189; p. 78.
- Valve, Automatic gas-. W. O. Garber. No. 1,058,046; Apr. 8; Gaz. vol. 189; p. 266.
- Valve, Automatic gas-. E. E. Miller. No. 1,062,178; May 20; Gaz. vol. 190; p. 626.
- Valve, Automatic gas-shut-off. I. Glanschnig. No. 1,072,603; Sept. 9; Gaz. vol. 194; p. 347.
- Valve, Automatic oil-relief. H. Brauntun. No. 1,066,179; July 1; Gaz. vol. 192; p. 98.
- Valve, Automatic pressure-operated. M. P. Stevens. No. 1,060,142; Apr. 29; Gaz. vol. 189; p. 1098.
- Valve, Automatic regulating-. I. Defoy. No. 1,060,067; Apr. 29; Gaz. vol. 189; p. 1073.
- Valve, Automatic safety-. W. Wafer. No. 1,071,972; Sept. 2; Gaz. vol. 194; p. 103.
- Valve, Automatically-closing. O. Schmachtenberger. No. 1,082,708; Dec. 30; Gaz. vol. 197; p. 1084.
- Valve, Automatically-operating. J. A. and L. F. Mustee. No. 1,059,197; Apr. 15; Gaz. vol. 189; p. 703.
- Valve, Auxiliary air-inlet. J. A. Miller. No. 1,064,360; June 10; Gaz. vol. 191; p. 441.
- Valve, Back-pressure and exhaust relief-. A. Rosen. No. 1,054,034; Feb. 25; Gaz. vol. 187; p. 861.
- Valve, Balanced slide-. J. Dockings. No. 1,066,427; July 1; Gaz. vol. 192; p. 181.
- Valve between cylinder and saddle, Locomotive gate-. H. A. Hoke. No. 1,050,024; Jan. 7; Gaz. vol. 186; p. 239.
- Valve, Blow-off. A. C. Yerkey. No. 1,067,959; July 22; Gaz. vol. 192; p. 804.
- Valve, Blow-off. C. E. Vance. No. 1,072,796; Sept. 9; Gaz. vol. 194; p. 415.
- Valve, Bottle-. H. Heinemeyer. No. 1,068,052; July 22; Gaz. vol. 192; p. 836.
- Valve, Bottle-. C. F. Leng. No. 1,069,443; Aug. 5; Gaz. vol. 193; p. 125.
- Valve, Brake-. A. E. Kirkley. No. 1,075,357; Oct. 14; Gaz. vol. 195; p. 292.
- Valve-cap. C. R. Bailey. No. 1,051,057; Jan. 21; Gaz. vol. 186; p. 664.
- Valve-cap. C. R. Bailey. No. 1,051,058; Jan. 21; Gaz. vol. 186; p. 664.
- Valve, Carbid-feed. J. S. Ballard. No. 1,050,597; Jan. 14; Gaz. vol. 186; p. 472.
- Valve, Check-. J. F. Robertson. No. 1,049,922; Jan. 7; Gaz. vol. 186; p. 204.
- Valve, Check-. O. L. Whiteman. No. 1,052,633; Feb. 11; Gaz. vol. 187; p. 302.
- Valve, Check-. M. Maximilian. No. 1,063,131; May 27; Gaz. vol. 190; p. 983.
- Valve, Check-. J. J. Thelen. No. 1,072,673; Sept. 9; Gaz. vol. 194; p. 371.
- Valve, Check-. H. W. Massey. No. 1,077,415; Nov. 4; Gaz. vol. 196; p. 62.
- Valve-closure. G. Eirich. No. 1,051,872; Feb. 4; Gaz. vol. 187; p. 9.
- Valve, Combination check and stop. M. Makowsky. No. 1,072,245; Sept. 2; Gaz. vol. 194; p. 195.
- Valve, Combined check and stop. E. Celie and H. C. Ayerst. No. 1,066,426; July 1; Gaz. vol. 192; p. 180.
- Valve, Combined stop and drain. C. Walker. No. 1,053,075; Feb. 11; Gaz. vol. 187; p. 453.
- Valve, Combined trip and throttle. P. W. Knauf. No. 1,069,434; Aug. 5; Gaz. vol. 193; p. 122.
- Valve, Compound. W. J. Bergens. No. 1,051,539; Jan. 28; Gaz. vol. 186; p. 860.
- Valve, Compressor-. W. A. Zimmer. No. 1,050,048; Jan. 7; Gaz. vol. 186; p. 248.
- Valve construction. C. A. Booth. No. 1,050,775; Jan. 14; Gaz. vol. 186; p. 528.
- Valve construction. C. A. Booth. No. 1,052,561; Feb. 11; Gaz. vol. 187; p. 276.
- Valve, Control-. B. R. Van Valkenburg. No. 1,053,936; Feb. 18; Gaz. vol. 187; p. 791.
- Valve control, Engine-. I. Baker. No. 1,077,581; Nov. 4; Gaz. vol. 196; p. 118.
- Valve, Controlling-. C. B. King and C. B. Weston. No. 1,063,975; June 10; Gaz. vol. 191; p. 309.
- Valve, Controlling-. S. S. Smith. No. 1,071,474; Aug. 26; Gaz. vol. 193; p. 915.
- Valve-controlling apparatus, Automatic thermic. F. A. Pollard. No. 1,082,212; Dec. 23; Gaz. vol. 197; p. 877.
- Valve-controlling appliance. L. B. Jackson. No. 1,053,916; Feb. 18; Gaz. vol. 187; p. 784.

Alphabetical list of inventions—Continued.

- Valve-controlling appliance. G. A. Weld. No. 1,056,867; Mar. 25; Gaz. vol. 188; p. 848.
- Valve-controlling means, Automatic. R. W. Preston. No. 1,062,553; May 20; Gaz. vol. 190; p. 750.
- Valve-controlling mechanism. J. L. Edland. No. 1,056,518; Mar. 18; Gaz. vol. 188; p. 701.
- Valve-controlling mechanism for air-brakes. U. R. Hatfield. No. 1,049,853; Jan. 7; Gaz. vol. 186; p. 182.
- Valve-controlling mechanism for steam-engines. E. F. Williams. No. 1,070,932; Aug. 19; Gaz. vol. 193; p. 699.
- Valve, Convertible blow-off cock and check-. R. W. Erskine. No. 1,066,891; July 8; Gaz. vol. 192; p. 373.
- Valve, Cushion-. E. V. Anderson. No. 1,077,502; Nov. 4; Gaz. vol. 196; p. 94.
- Valve device. E. J. Thurber. No. 1,064,565; June 10; Gaz. vol. 191; p. 512.
- Valve device, Emergency and release. W. V. Turner. No. 1,057,510; Apr. 1; Gaz. vol. 189; p. 39.
- Valve device for internal-combustion engines. A. C. Dam and A. Marshall. No. 1,068,632; July 29; Gaz. vol. 192; p. 1075.
- Valve device, Pressure-retaining-. W. V. Turner. No. 1,081,347; Dec. 16; Gaz. vol. 197; p. 559.
- Valve device, Retaining-. W. V. Turner. No. 1,075,797; Oct. 14; Gaz. vol. 195; p. 443.
- Valve device, Triple-. E. D. Peerstone. No. 1,051,000; Jan. 21; Gaz. vol. 186; p. 644.
- Valve device, Triple-. W. V. Turner. No. 1,053,247; Feb. 18; Gaz. vol. 187; p. 555.
- Valve device, Triple-. W. V. Turner. No. 1,071,831; Sept. 2; Gaz. vol. 194; p. 56.
- Valve device, Triple-. W. V. Turner. No. 1,073,186; Sept. 16; Gaz. vol. 194; p. 590.
- Valve device, Uniform-release triple-. W. V. Turner. No. 1,055,373; Mar. 11; Gaz. vol. 188; p. 279.
- Valve, Discharge-. A. L. Brown. No. 1,080,322; Dec. 2; Gaz. vol. 197; p. 141.
- Valve, Disk. C. F. Henry and L. E. Branning. No. 1,055,531; Mar. 11; Gaz. vol. 188; p. 330.
- Valve-disk. G. Hart. No. 1,072,004; Sept. 2; Gaz. vol. 194; p. 115.
- Valve-dressing tool. M. B. Skinner. No. 1,061,694; May 13; Gaz. vol. 190; p. 426.
- Valve, Electromagnetic. H. G. Geissinger. No. 1,049,845; Jan. 7; Gaz. vol. 186; p. 179.
- Valve, Emergency release-. J. O. Bohannon and D. P. Page. No. 1,065,659; June 24; Gaz. vol. 191; p. 951.
- Valve, Engine-. G. P. Aborn. No. 1,055,994; Mar. 18; Gaz. vol. 188; p. 521.
- Valve, Engine-. G. P. Aborn. No. 1,055,997; Mar. 18; Gaz. vol. 188; p. 522.
- Valve, Engine-. W. Johnson. No. 1,056,339; Mar. 18; Gaz. vol. 188; p. 636.
- Valve, Engine-. P. M. Orlopp. No. 1,059,485; Apr. 22; Gaz. vol. 189; p. 839.
- Valve, Engine-. J. P. Walsh. No. 1,063,482; June 3; Gaz. vol. 191; p. 105.
- Valve, Engine-. R. W. Mewes. No. 1,070,829; Aug. 19; Gaz. vol. 193; p. 667.
- Valve, Engine-. A. M. Gilbert. No. 1,076,972; Oct. 28; Gaz. vol. 195; p. 935.
- Valve, Engine-. T. B. Farrington. No. 1,079,643; Nov. 25; Gaz. vol. 196; p. 920.
- Valve, Engineer's. B. S. Aikman. No. 1,065,650; June 24; Gaz. vol. 191; p. 947.
- Valve, Engineer's. B. S. Aikman. No. 1,079,909; Nov. 25; Gaz. vol. 196; p. 1015.
- Valve, Explosive-engine. A. Levedahl. No. 1,062,285; May 20; Gaz. vol. 190; p. 663.
- Valve, Explosive-engine. A. J. Ray. No. 1,071,958; Sept. 2; Gaz. vol. 194; p. 98.
- Valve, Faucet-. V. L. Emerson. No. 1,068,636; July 29; Gaz. vol. 192; p. 1076.
- Valve, Float-. W. A. Day. No. 1,055,143; Mar. 4; Gaz. vol. 188; p. 165.
- Valve, Float-. W. H. Schulte. No. 1,059,490; Apr. 22; Gaz. vol. 189; p. 841.
- Valve, Float-. F. Schuh. No. 1,064,386; June 10; Gaz. vol. 191; p. 450.
- Valve, Float-. F. Rodehaver. No. 1,065,841; June 24; Gaz. vol. 191; p. 1011.
- Valve, Float-. P. Mueller. No. 1,078,943; Nov. 18; Gaz. vol. 196; p. 648.
- Valve, Float-controlled. W. F. Kullberg. No. 1,063,807; June 3; Gaz. vol. 191; p. 220.
- Valve-float for closet-tanks. C. M. Brenner. No. 1,076,546; Oct. 21; Gaz. vol. 195; p. 730.
- Valve, Fluid-pressure. H. Walker, Jr. No. 1,065,285; June 17; Gaz. vol. 191; p. 785.
- Valve, Fluid-pressure-operated. H. G. Geissinger. No. 1,055,161; Mar. 4; Gaz. vol. 188; p. 170.
- Valve, Fluid-pressure-reducing. H. M. P. Murphy. No. 1,071,777; Sept. 2; Gaz. vol. 194; p. 38.
- Valve, Flush-. F. F. Rob. No. 1,060,288; Apr. 29; Gaz. vol. 189; p. 1150.
- Valve, Flush-. A. N. Pasman. No. 1,074,379; Sept. 30; Gaz. vol. 194; p. 1049.
- Valve, Flush-. A. N. Pasman. No. 1,077,745; Nov. 4; Gaz. vol. 196; p. 172.
- Valve, Flush-. W. R. Willetts. (Reissue.) No. 13,658; Dec. 16; Gaz. vol. 197; p. 757.
- Valve, Flush-out. A. Tosco and P. Salina. No. 1,079,036; Nov. 18; Gaz. vol. 196; p. 683.
- Valve, Flushing-. A. S. Rea. No. 1,054,940; Mar. 4; Gaz. vol. 188; p. 97.
- Valve, Flushing-. A. H. Johnson. No. 1,055,538; Mar. 11; Gaz. vol. 188; p. 333.
- Valve, Flushing-. J. L. Beck. No. 1,063,639; June 3; Gaz. vol. 191; p. 163.
- Valve, Flushing-. E. G. Watrous. No. 1,066,350; July 1; Gaz. vol. 192; p. 157.
- Valve, Flushing-. T. W. Twyford. No. 1,066,960; July 8; Gaz. vol. 192; p. 396.
- Valve, Flushing-. J. L. Williams. No. 1,078,113; Nov. 11; Gaz. vol. 196; p. 331.
- Valve, Foot-operated. V. D. Renwick, Jr. No. 1,071,261; Aug. 26; Gaz. vol. 193; p. 844.
- Valve for acetylene-tanks, Distributing-. L. L. Oie. No. 1,070,062; Aug. 12; Gaz. vol. 193; p. 363.
- Valve for air-brake systems, Automatic release-. C. W. Hurl. No. 1,067,738; July 15; Gaz. vol. 192; p. 697.
- Valve for air-brake systems, Triple. C. H. Atkins. No. 1,053,696; Feb. 18; Gaz. vol. 187; p. 710.
- Valve for air-brakes, Tripie. S. G. Neal. No. 1,078,303; Nov. 11; Gaz. vol. 196; p. 398.
- Valve for air-brakes, Tripie. S. G. Neal. No. 1,082,758; Dec. 30; Gaz. vol. 197; p. 1102.
- Valve for automatic hydraulic air-compressor-operating systems. A. Grandjean. No. 1,065,042; June 17; Gaz. vol. 191; p. 704.
- Valve for blast-furnace stoves, Chimney-. K. Lindgrebe and M. W. Johnson, Jr. No. 1,056,106; Mar. 18; Gaz. vol. 188; p. 559.
- Valve for bubbling fountains. E. L. Kellan. No. 1,071,753; Sept. 2; Gaz. vol. 194; p. 28.
- Valve for centrifugal compressors, Float-. F. E. Norton. No. 1,060,012; Apr. 29; Gaz. vol. 189; p. 1055.
- Valve for closet-tanks. G. De Rosa. No. 1,064,621; June 10; Gaz. vol. 191; p. 530.
- Valve for controlling compressed air. A. J. Gates. No. 1,077,697; Nov. 4; Gaz. vol. 196; p. 156.
- Valve for controlling the flow of thick pulpy material and the like. E. H. Nutter. No. 1,071,784; Sept. 2; Gaz. vol. 194; p. 41.
- Valve for Corliss engines and the like. C. G. Burton. No. 1,072,308; Sept. 2; Gaz. vol. 194; p. 215.
- Valve for drill-bit-sharpening machines, Triple-purpose. J. G. Leyner. No. 1,065,062; June 17; Gaz. vol. 191; p. 712.
- Valve for elevated water-tanks, Flushing-. J. Lane and J. Rolston. No. 1,068,349; July 22; Gaz. vol. 192; p. 939.
- Valve for exhaust-pipes. H. G. Conrad. No. 1,064,291; June 10; Gaz. vol. 191; p. 418.
- Valve for explosion-engines, Rotary. C. H. Taylor and H. E. Coffin. No. 1,052,530; Feb. 11; Gaz. vol. 187; p. 267.
- Valve for explosion-engines, Rotary. F. G. Schehr. No. 1,078,699; Nov. 18; Gaz. vol. 196; p. 565.
- Valve for explosive-engines, Rotary. R. S. Trott. No. 1,067,286; July 15; Gaz. vol. 192; p. 545.
- Valve for explosive-engines, Rotary. C. E. Mead. No. 1,075,432; Oct. 14; Gaz. vol. 195; p. 318.
- Valve for fireless cookers. M. Murphy. No. 1,054,599; Feb. 25; Gaz. vol. 187; p. 1054.
- Valve for fluid-impelling apparatus, Automatic relief-. A. C. E. Rateau. No. 1,052,172; Feb. 4; Gaz. vol. 187; p. 114.
- Valve for fluid-pressure-operated fenders, Controlling-. F. A. Nelson and H. E. Gilham. No. 1,068,919; July 29; Gaz. vol. 192; p. 1177.
- Valve for flush-tanks. E. L. Delany. No. 1,077,457; Nov. 4; Gaz. vol. 196; p. 77.
- Valve for flush-tanks, Fluid-control supply-. E. G. Cook. No. 1,059,038; Apr. 15; Gaz. vol. 189; p. 649.
- Valve for flush-tanks, Inlet-. P. E. Govey. No. 1,063,125; May 27; Gaz. vol. 190; p. 981.
- Valve for gas, Automatic check-. J. Zander. No. 1,067,633; July 15; Gaz. vol. 192; p. 662.
- Valve for gas-burners. E. S. Allen. No. 1,079,684; Nov. 25; Gaz. vol. 196; p. 934.
- Valve for gas compressors and pumps. A. J. West. No. 1,052,540; Feb. 11; Gaz. vol. 187; p. 269.
- Valve for hot-blast furnaces. P. L. Keiser. No. 1,070,693; Aug. 19; Gaz. vol. 193; p. 622.
- Valve for hydrants. G. S. Walker. No. 1,056,860; Mar. 25; Gaz. vol. 188; p. 846.
- Valve for hydraulic elevators, Automatic stop-. K. E. O. Jansson. No. 1,060,601; May 6; Gaz. vol. 190; p. 13.
- Valve for hydrocarbons. J. R. Donnelly. No. 1,063,334; June 3; Gaz. vol. 191; p. 56.
- Valve for instantaneous water-heaters, Water-. J. Ellis. No. 1,049,829; Jan. 7; Gaz. vol. 186; p. 174.
- Valve for internal-combustion engines. C. B. Redrup. No. 1,059,210; Apr. 15; Gaz. vol. 189; p. 707.
- Valve for internal-combustion engines. W. Z. Flower. No. 1,066,593; July 8; Gaz. vol. 192; p. 270.

Alphabetical list of inventions—Continued.

- Valve for internal-combustion engines, Auxillary air-. L. R. Saunders. No. 1,081,776; Dec. 16; Gaz. vol. 197; p. 701.
- Valve for internal-combustion engines, Check-. J. D. Russ. No. 1,065,552; June 24; Gaz. vol. 191; p. 914.
- Valve for internal-combustion engines, Combined air and oil. C. W. Jackson. No. 1,068,056; July 22; Gaz. vol. 192; p. 838.
- Valve for internal-combustion engines, Combined intake and exhaust. G. W. Moser. No. 1,075,594; Oct. 14; Gaz. vol. 195; p. 374.
- Valve for internal-combustion engines, Exhaust-. J. F. Knowlton. No. 1,055,403; Mar. 11; Gaz. vol. 188; p. 289.
- Valve for internal-combustion engines, Rotary. C. L. Cookson. No. 1,061,599; May 13; Gaz. vol. 190; p. 393.
- Valve for internal-combustion engines, Rotary. M. G. Chandler. No. 1,080,892; Dec. 9; Gaz. vol. 197; p. 371.
- Valve for internal-combustion engines, Starting-. H. T. Bruns. No. 1,077,795; Nov. 4; Gaz. vol. 196; p. 190.
- Valve for jarring-machines. R. F. Ringle. No. 1,060,127; Apr. 29; Gaz. vol. 189; p. 1092.
- Valve for locomotive-engines, By-pass. C. J. Mellin. No. 1,066,211; July 1; Gaz. vol. 192; p. 110.
- Valve for locomotives, Drifting-. F. J. Cole. No. 1,058,352; Apr. 8; Gaz. vol. 189; p. 374.
- Valve for locomotives, Drifting-. J. Sandy. No. 1,078,065; Nov. 11; Gaz. vol. 196; p. 315.
- Valve for locomotives, Drifting-. R. Rennie and H. R. Stafford. No. 1,079,514; Nov. 25; Gaz. vol. 196; p. 875.
- Valve for percussive tools. L. C. Bayles. No. 1,056,250; Mar. 18; Gaz. vol. 188; p. 608.
- Valve for percussive tools. L. C. Bayles. No. 1,056,251; Mar. 18; Gaz. vol. 188; p. 609.
- Valve for percussive tools. C. C. Hansen. No. 1,068,649; July 29; Gaz. vol. 192; p. 1081.
- Valve for pneumatic-despatch-tube apparatus. W. H. Ames. No. 1,052,554; Feb. 11; Gaz. vol. 187; p. 274.
- Valve for radiators, Air-. T. S. Smith. No. 1,051,970; Feb. 4; Gaz. vol. 187; p. 43.
- Valve for radiators, Air-. F. W. Leuthesser. No. 1,062,407; May 20; Gaz. vol. 190; p. 703.
- Valve for radiators, Air-. F. W. Leuthesser. No. 1,075,294; Oct. 7; Gaz. vol. 195; p. 245.
- Valve for radiators and the like, Diaphragm exhaust-. J. McAlear. No. 1,077,731; Nov. 4; Gaz. vol. 196; p. 167.
- Valve for reversing-furnaces, Air and stack. F. Tschudy. No. 1,069,206; Aug. 5; Gaz. vol. 193; p. 42.
- Valve for spraying purposes, Relief-. R. L. Aldridge. No. 1,055,437; Mar. 11; Gaz. vol. 188; p. 301.
- Valve for steam and other fluids, Stop-. W. H. Greatorex. No. 1,067,604; July 15; Gaz. vol. 192; p. 651.
- Valve for steam-heated apparatus and the like, Blow-off. F. Raffensdorfer. No. 1,079,663; Nov. 25; Gaz. vol. 196; p. 927.
- Valve for steam-pump engines. C. M. and F. B. Stoner. No. 1,058,919; Apr. 15; Gaz. vol. 189; p. 607.
- Valve for therapeutic apparatus. J. B. Fey. No. 1,069,685; Aug. 12; Gaz. vol. 193; p. 234.
- Valve for toilet-basins. R. W. Kelley. No. 1,050,661; Jan. 14; Gaz. vol. 186; p. 491.
- Valve for vessels, Hydraulic and automatic waste-. J. Allingham. No. 1,049,328; Jan. 7; Gaz. vol. 186; p. 3.
- Valve for water-closets, Flush-. H. P. Hansen. No. 1,073,603; Sept. 23; Gaz. vol. 194; p. 757.
- Valve for water, Equalizing-. J. J. Lawler. No. 1,065,615; June 24; Gaz. vol. 191; p. 935.
- Valve for water, Equalizing-. J. J. Lawler. No. 1,076,293; Oct. 21; Gaz. vol. 195; p. 640.
- Valve for water-gages, Automatic safety-. C. F. Mattingly and M. L. Graves. No. 1,060,472; Apr. 29; Gaz. vol. 189; p. 1214.
- Valve for water-gages, Safety-. J. Geisinger. No. 1,061,832; May 13; Gaz. vol. 190; p. 467.
- Valve for water-heaters, Automatic. J. C. Spotts. No. 1,050,705; Jan. 14; Gaz. vol. 186; p. 505.
- Valve for water-heaters, Automatic control-. J. M. Appleton. No. 1,051,979; Feb. 4; Gaz. vol. 187; p. 45.
- Valve for water-heaters, Gas-control. H. Eisenach and W. F. Smith. No. 1,078,089; Nov. 11; Gaz. vol. 196; p. 322.
- Valve for wind instruments. E. S. Conrad and C. P. Shepherd. No. 1,055,445; Mar. 11; Gaz. vol. 188; p. 303.
- Valve, Fuel-oil-controlling. W. Sneddon. No. 1,062,614; May 27; Gaz. vol. 190; p. 814.
- Valve, Gas-. J. A. Herrick. No. 1,057,833; Apr. 1; Gaz. vol. 189; p. 149.
- Valve, Gas-. E. E. Miller. No. 1,062,179; May 20; Gaz. vol. 190; p. 627.
- Valve, Gas-. E. W. Havers. No. 1,079,337; Nov. 25; Gaz. vol. 196; p. 816.
- Valve, Gas-engine. F. C. Gonzales. No. 1,082,320; Dec. 23; Gaz. vol. 197; p. 918.
- Valve, Gas-regulating. A. W. Bice. No. 1,065,913; July 1; Gaz. vol. 192; p. 3.
- Valve, Gas-tight coal-. S. Glover and J. West. No. 1,054,195; Feb. 25; Gaz. vol. 187; p. 916.
- Valve, Gasolene-tank. P. Turner. No. 1,050,181; Jan. 14; Gaz. vol. 186; p. 326.
- Valve, Gate-. H. C. Earle. No. 1,067,011; July 8; Gaz. vol. 192; p. 413.
- Valve, Gate-. E. F. Poland. No. 1,074,199; Sept. 30; Gaz. vol. 194; p. 989.
- Valve-gate for coal-washers. J. Hawk. No. 1,051,809; Jan. 28; Gaz. vol. 186; p. 948.
- Valve-gear. T. Hall. No. 1,050,213; Jan. 14; Gaz. vol. 186; p. 337.
- Valve-gear. S. Rosenzweig. No. 1,059,567; Apr. 22; Gaz. vol. 189; p. 866.
- Valve-gear. W. R. McKeen, Jr. No. 1,061,098; May 6; Gaz. vol. 190; p. 184.
- Valve-gear. E. Schweter. No. 1,061,130; May 6; Gaz. vol. 190; p. 196.
- Valve-gear. C. B. Redrup. No. 1,061,868; May 13; Gaz. vol. 190; p. 479.
- Valve-gear. A. Bollée, Fils. No. 1,062,580; May 27; Gaz. vol. 190; p. 801.
- Valve-gear. J. P. Ramsey. No. 1,071,793; Sept. 2; Gaz. vol. 194; p. 44.
- Valve-gear. O. A. Donath. No. 1,073,576; Sept. 16; Gaz. vol. 194; p. 726.
- Valve-gear. C. B. Pirie. No. 1,075,269; Oct. 7; Gaz. vol. 195; p. 236.
- Valve-gear. J. H. Gentry. No. 1,075,778; Oct. 14; Gaz. vol. 195; p. 436.
- Valve-gear. F. J. Cole. No. 1,076,099; Oct. 21; Gaz. vol. 195; p. 575.
- Valve-gear. A. E. Hall. No. 1,078,277; Nov. 11; Gaz. vol. 196; p. 387.
- Valve-gear, Combustion-engine. P. R. C. Lawrenz. No. 1,076,294; Oct. 21; Gaz. vol. 195; p. 641.
- Valve-gear, Engine. R. Murauer. No. 1,062,843; May 27; Gaz. vol. 190; p. 888.
- Valve-gear, Engine. R. C. Stevens. No. 1,072,786; Sept. 9; Gaz. vol. 194; p. 411.
- Valve gear for blowing-engines, Discharge-. C. G. Sprado. No. 1,079,374; Nov. 25; Gaz. vol. 196; p. 828.
- Valve-gear for explosion-motors. L. Renault. No. 1,054,714; Mar. 4; Gaz. vol. 188; p. 20.
- Valve-gear for explosion-motors. M. B. Crist. No. 1,063,330; June 3; Gaz. vol. 191; p. 54.
- Valve-gear for fluid-pressure engines. A. G. Mumford and A. Anthony. No. 1,056,115; Mar. 18; Gaz. vol. 188; p. 562.
- Valve-gear for gas-engines. J. M. Jenckes. No. 1,063,162; May 27; Gaz. vol. 190; p. 994.
- Valve-gear for gas-engines. M. A. Thiel. No. 1,070,558; Aug. 19; Gaz. vol. 193; p. 578.
- Valve-gear for internal-combustion engines. D. Appel. No. 1,057,399; Apr. 1; Gaz. vol. 189; p. 3.
- Valve-gear for internal-combustion engines. J. A. Prestwich. No. 1,073,284; Sept. 16; Gaz. vol. 194; p. 625.
- Valve-gear for internal-combustion motors, Starting. J. Romeyn. No. 1,073,633; Sept. 23; Gaz. vol. 194; p. 767.
- Valve-gear for multicylinder internal-combustion engines. J. V. Laviolette. No. 1,067,666; July 15; Gaz. vol. 192; p. 673.
- Valve-gear for reciprocating steam and other engines. S. Kolomyjski. No. 1,066,289; July 1; Gaz. vol. 192; p. 138.
- Valve-gear for revolving-cylinder internal-combustion motors. B. D. and W. E. Scott and W. W. Peet. No. 1,058,472; Apr. 8; Gaz. vol. 189; p. 415.
- Valve-gear for steam-engines. J. Davidson. No. 1,050,618; Jan. 14; Gaz. vol. 186; p. 478.
- Valve-gear for steam-engines. H. K. Bente. No. 1,069,224; Aug. 5; Gaz. vol. 193; p. 48.
- Valve-gear for steam-engines. R. Wetherill. No. 1,077,898; Nov. 4; Gaz. vol. 196; p. 225.
- Valve-gear for steam-engines, Eccentricless. G. W. Chitwood and R. T. Poplin. No. 1,058,152; Apr. 8; Gaz. vol. 189; p. 304.
- Valve-gear for two-stage combustion-engines. K. Feilner. No. 1,061,681; May 13; Gaz. vol. 190; p. 422.
- Valve-gear, Internal-combustion-engine. K. Steinbecker. No. 1,080,495; Dec. 2; Gaz. vol. 197; p. 202.
- Valve-gear, Internal-combustion-engine. F. Lamplough. No. 1,081,051; Dec. 9; Gaz. vol. 197; p. 422.
- Valve gear, Locomotive reversing-. J. Henderson. No. 1,074,548; Sept. 30; Gaz. vol. 194; p. 1103.
- Valve-gear, Steam-engine. O. W. Young. No. 1,071,854; Sept. 2; Gaz. vol. 194; p. 64.
- Valve-gear, Steam-engine. W. S. Brown. No. 1,076,406; Oct. 21; Gaz. vol. 195; p. 681.
- Valve, Globe. A. O. Levick. No. 1,072,744; Sept. 9; Gaz. vol. 194; p. 396.
- Valve governing and operating apparatus. D. A. Willshaw. No. 1,066,069; July 1; Gaz. vol. 192; p. 58.
- Valve-grinder. S. S. Livezey. No. 1,059,175; Apr. 15; Gaz. vol. 189; p. 694.
- Valve-grinder. C. C. Frank. No. 1,079,292; Nov. 18; Gaz. vol. 196; p. 767.
- Valve-grinding tool. H. Metcalf. No. 1,063,717; June 3; Gaz. vol. 191; p. 190.
- Valve-grinding tool. H. B. and P. Horn. No. 1,073,686; Sept. 23; Gaz. vol. 194; p. 788.
- Valve, High-pressure. J. Langsdorff and L. Krug. No. 1,068,909; July 29; Gaz. vol. 192; p. 1173.

Alphabetical list of inventions—Continued.

- Valve, High-pressure gate. S. S. Caskey. No. 1,049,450; Jan. 7; Gaz. vol. 186; p. 45.
- Valve, Hydropneumatic. L. D. Berg. No. 1,072,562; Sept. 9; Gaz. vol. 194; p. 334.
- Valve, Impulse. J. D. Clay. No. 1,065,220; June 17; Gaz. vol. 191; p. 762.
- Valve, Inner-tube. J. S. Harber. No. 1,061,069; May 6; Gaz. vol. 190; p. 176.
- Valve, Internal-combustion-engine. P. C. Kreetz. No. 1,052,005; Feb. 4; Gaz. vol. 187; p. 55.
- Valve, Internal-combustion-engine. L. J. R. Holst. No. 1,052,339; Feb. 4; Gaz. vol. 187; p. 168.
- Valve, Internal-combustion-engine. L. J. R. Holst. No. 1,052,340; Feb. 4; Gaz. vol. 187; p. 169.
- Valve, Internal-combustion-engine. L. J. R. Holst. No. 1,052,436; Feb. 4; Gaz. vol. 187; p. 202.
- Valve, Internal-combustion-engine. R. H. Adams. No. 1,053,894; Feb. 18; Gaz. vol. 187; p. 775.
- Valve, Internal-combustion-engine. F. W. Coen. No. 1,068,567; July 29; Gaz. vol. 192; p. 1051.
- Valve, Internal-combustion-engine. C. E. Swenson. No. 1,077,017; Nov. 4; Gaz. vol. 196; p. 27.
- Valve, Internal-combustion-engine. O. A. Morris. No. 1,081,689; Dec. 16; Gaz. vol. 197; p. 670.
- Valve lever for locomotives. Throttle. H. Perry. No. 1,060,625; May 6; Gaz. vol. 190; p. 21.
- Valve-lifter, Automobile. C. Price. No. 1,051,633; Jan. 28; Gaz. vol. 186; p. 891.
- Valve, Lock. F. M. Ulmer. No. 1,069,744; Aug. 12; Gaz. vol. 193; p. 256.
- Valve-lock. G. W. Cross. No. 1,082,935; Dec. 30; Gaz. vol. 197; p. 1162.
- Valve-locking attachment. J. T. Baker. No. 1,068,961; July 29; Gaz. vol. 192; p. 1192.
- Valve, Locomotive steam-throttle. C. Mehlhoff. No. 1,070,157; Aug. 12; Gaz. vol. 193; p. 397.
- Valve mechanism. S. S. Caskey. No. 1,049,451; Jan. 7; Gaz. vol. 186; p. 45.
- Valve mechanism. T. Galvin and E. F. Dupart. No. 1,058,960; Apr. 15; Gaz. vol. 189; p. 621.
- Valve mechanism. F. Kittlitschko. No. 1,060,101; Apr. 29; Gaz. vol. 189; p. 1083.
- Valve mechanism. J. Cevasco, N. J. Cavagnaro, and C. Ambrette. No. 1,072,822; Sept. 9; Gaz. vol. 194; p. 424.
- Valve mechanism, Automatic. J. S. Goldberg. No. 1,082,744; Dec. 30; Gaz. vol. 197; p. 1096.
- Valve mechanism, Electropneumatic control. W. V. Turner. No. 1,082,295; Dec. 23; Gaz. vol. 197; p. 909.
- Valve mechanism, Engine. O. Treier. No. 1,063,477; June 3; Gaz. vol. 191; p. 103.
- Valve mechanism, Engine. O. Treier. No. 1,063,897; June 3; Gaz. vol. 191; p. 248.
- Valve mechanism, Float. A. S. Failing. No. 1,067,102; July 8; Gaz. vol. 192; p. 443.
- Valve mechanism for air-compressors. W. S. Fairhurst. No. 1,073,337; Sept. 16; Gaz. vol. 194; p. 645.
- Valve mechanism for cars, Automatic brake. J. Judge. No. 1,059,876; Apr. 22; Gaz. vol. 189; p. 965.
- Valve mechanism for compound locomotives. E. L. Ragonet. No. 1,059,762; Apr. 22; Gaz. vol. 189; p. 929.
- Valve mechanism for engines. E. Thomson. No. 1,080,733; Dec. 9; Gaz. vol. 197; p. 313.
- Valve mechanism for explosion-engines. W. D. Kelly. No. 1,074,121; Sept. 30; Gaz. vol. 194; p. 964.
- Valve mechanism for fluid-compressors. W. Prellwitz. No. 1,057,089; Mar. 25; Gaz. vol. 188; p. 927.
- Valve mechanism for gas-engines, Rotary. E. P. Batzel. No. 1,071,686; Sept. 2; Gaz. vol. 194; p. 5.
- Valve mechanism for internal-combustion engines. W. R. Sr. and W. R. Thomas, Jr. No. 1,063,082; May 27; Gaz. vol. 190; p. 967.
- Valve mechanism for internal-combustion engines. C. T. Cleve. No. 1,067,865; July 22; Gaz. vol. 192; p. 773.
- Valve mechanism for internal-combustion engines. J. Burgh. No. 1,070,583; Aug. 19; Gaz. vol. 193; p. 586.
- Valve mechanism for internal-combustion engines. V. P. Coffin. No. 1,076,551; Oct. 21; Gaz. vol. 195; p. 732.
- Valve mechanism for internal-combustion engines, Fuel-supply. J. Haug. No. 1,070,032; Aug. 12; Gaz. vol. 193; p. 354.
- Valve mechanism for internal-combustion motors, Concentric. W. J. Leighty. No. 1,054,970; Mar. 4; Gaz. vol. 188; p. 108.
- Valve mechanism for internal-combustion motors, Rotary. J. Bayer. No. 1,059,516; Apr. 22; Gaz. vol. 189; p. 849.
- Valve mechanism for locomotive-engines, Drifting. W. H. Foster. No. 1,077,695; Nov. 4; Gaz. vol. 196; p. 156.
- Valve mechanism for pneumatic scrubbing appliances. A. E. Moorhead. No. 1,069,628; Aug. 5; Gaz. vol. 193; p. 186.
- Valve mechanism for rock-drilling engines. J. G. Leyner. No. 1,058,074; Apr. 8; Gaz. vol. 189; p. 277.
- Valve mechanism, Gas-engine. M. A. Thiel. No. 1,066,062; July 1; Gaz. vol. 192; p. 56.
- Valve mechanism, Reversing. J. E. Arnold. No. 1,049,640; Jan. 7; Gaz. vol. 186; p. 111.
- Valve mechanism, Trap. J. B. Armstrong. No. 1,080,507; Dec. 2; Gaz. vol. 197; p. 205.
- Valve, Mixing. E. F. Niedecken. No. 1,054,023; Feb. 25; Gaz. vol. 187; p. 858.
- Valve, Mixing. W. J. Bergens. No. 1,061,725; May 13; Gaz. vol. 190; p. 436.
- Valve, Mixing. W. G. Newton. No. 1,071,454; Aug. 26; Gaz. vol. 193; p. 908.
- Valve, Mixing. R. C. A. Holzhausen. No. 1,083,015; Dec. 30; Gaz. vol. 197; p. 1189.
- Valve-motion for percussive tools. L. C. Bayles. No. 1,057,700; Apr. 1; Gaz. vol. 189; p. 104.
- Valve-motion for percussive tools. L. C. Bayles. No. 1,057,701; Apr. 1; Gaz. vol. 189; p. 104.
- Valve, Multiple-function controlling throttle. J. G. Leyner. No. 1,065,061; June 17; Gaz. vol. 191; p. 711.
- Valve, Needle. A. Wait. No. 1,075,798; Oct. 14; Gaz. vol. 195; p. 443.
- Valve-operating apparatus for flushing-tanks. F. W. Bamford. No. 1,075,681; Oct. 14; Gaz. vol. 195; p. 404.
- Valve-operating device. O. H. Erickson. No. 1,055,152; Mar. 4; Gaz. vol. 188; p. 167.
- Valve-operating device. G. B. Porsch. No. 1,059,315; Apr. 15; Gaz. vol. 189; p. 743.
- Valve-operating mechanism. T. W. Keen. No. 1,053,733; Feb. 18; Gaz. vol. 187; p. 725.
- Valve-operating mechanism. W. Heap. No. 1,063,444; June 3; Gaz. vol. 191; p. 92.
- Valve-operating mechanism. O. H. Theleen. No. 1,066,863; July 8; Gaz. vol. 192; p. 363.
- Valve-operating mechanism. M. E. Bertram. No. 1,072,812; Sept. 9; Gaz. vol. 194; p. 421.
- Valve-operating mechanism for engines. H. B. Briggs. No. 1,072,566; Sept. 9; Gaz. vol. 194; p. 335.
- Valve-operating mechanism for internal-combustion engines. J. M. White. No. 1,078,882; Sept. 23; Gaz. vol. 194; p. 854.
- Valve-operating mechanism for tanks. A. G. Hurdman. No. 1,056,421; Mar. 18; Gaz. vol. 188; p. 664.
- Valve-operating mechanism, Slide. H. L. McDonald. No. 1,076,047; Oct. 21; Gaz. vol. 195; p. 556.
- Valve or controlling device. T. J. and E. Rorke. No. 1,060,028; Apr. 29; Gaz. vol. 189; p. 1060.
- Valve or disk form, Automatic. S. E. Alley and R. McGregor. No. 1,081,803; Dec. 16; Gaz. vol. 197; p. 710.
- Valve or strainer. Sand. A. Hamill. No. 1,078,674; Nov. 18; Gaz. vol. 196; p. 556.
- Valve or the like. O. A. Ross. No. 1,072,507; Sept. 9; Gaz. vol. 194; p. 313.
- Valve, Oscillating. F. A. Goodness. No. 1,083,208; Dec. 30; Gaz. vol. 197; p. 1248.
- Valve, Packless. F. Schreidt. No. 1,054,623; Feb. 25; Gaz. vol. 187; p. 1062.
- Valve, Packless. H. M. Artz. No. 1,066,340; July 1; Gaz. vol. 192; p. 121.
- Valve, Piston. J. B. Kingan and H. F. Ripken. No. 1,051,371; Jan. 21; Gaz. vol. 186; p. 768.
- Valve, Piston. D. F. Stayman. No. 1,054,625; Feb. 25; Gaz. vol. 187; p. 1062.
- Valve, Piston. J. T. Wilson. No. 1,072,681; Sept. 9; Gaz. vol. 194; p. 374.
- Valve, Piston. J. T. Wilson. No. 1,072,682; Sept. 9; Gaz. vol. 194; p. 375.
- Valve, Piston. C. J. Barley. No. 1,080,945; Dec. 9; Gaz. vol. 197; p. 389.
- Valve, Plug. J. McCarthy. No. 1,079,254; Nov. 18; Gaz. vol. 196; p. 756.
- Valve, Pneumatic. A. F. Dixon. No. 1,065,924; July 1; Gaz. vol. 192; p. 6.
- Valve, Pneumatically-operated gas. A. N. Edwards. No. 1,067,414; July 15; Gaz. vol. 192; p. 588.
- Valve, Pressure-controlled. H. W. O'Dowd. No. 1,053,315; Feb. 18; Gaz. vol. 187; p. 580.
- Valve-protecting device. H. B. Tesh. No. 1,076,465; Oct. 21; Gaz. vol. 195; p. 702.
- Valve, Puppet. G. R. Rich. No. 1,051,845; Jan. 28; Gaz. vol. 186; p. 961.
- Valve, Radiator. F. L. Watson. No. 1,053,763; Feb. 18; Gaz. vol. 187; p. 734.
- Valve, Radiator. F. L. Shell. No. 1,075,068; Oct. 7; Gaz. vol. 195; p. 166.
- Valve, Radiator. E. E. Gibbons. No. 1,075,780; Oct. 14; Gaz. vol. 195; p. 437.
- Valve, Radiator. T. H. Schutt. No. 1,076,159; Oct. 21; Gaz. vol. 195; p. 594.
- Valve, Radiator. W. Staby. No. 1,080,858; Dec. 9; Gaz. vol. 197; p. 360.
- Valve, Radiator vent. A. Jackson. No. 1,074,624; Oct. 7; Gaz. vol. 195; p. 13.
- Valve, Reducing. J. and A. Graham, Jr. No. 1,082,321; Dec. 23; Gaz. vol. 197; p. 918.
- Valve, Reducing or regulating. W. J. Lester. No. 1,056,344; Mar. 18; Gaz. vol. 188; p. 637.
- Valve, Regulating. G. W. Collin. No. 1,050,808; Jan. 21; Gaz. vol. 186; p. 574.
- Valve, Regulating. J. C. Kitton. No. 1,071,241; Aug. 26; Gaz. vol. 193; p. 838.
- Valve, Regulating. G. W. Collin. No. 1,076,665; Oct. 28; Gaz. vol. 195; p. 825.
- Valve, Relief. R. O. Murphy. No. 1,076,512; Oct. 21; Gaz. vol. 195; p. 718.

Alphabetical list of inventions—Continued.

- Valve-remover. A. E. Stoker. No. 1,082,917; Dec. 30; Gaz. vol. 197; p. 1157.
- Valve-removing apparatus. H. C. Rush. No. 1,069,028; July 29; Gaz. vol. 192; p. 1212.
- Valve, Retaining-. T. E. Martin. No. 1,076,135; Oct. 21; Gaz. vol. 195; p. 587.
- Valve, Reversible flush-. J. B. Williams. No. 1,062,868; May 27; Gaz. vol. 190; p. 896.
- Valve, Reversing-. J. A. Herrick. No. 1,069,136; Aug. 5; Gaz. vol. 193; p. 16.
- Valve, Reversing-. W. O. Amsler. No. 1,080,134; Dec. 2; Gaz. vol. 197; p. 75.
- Valve-reversing gear, Steam-engine. W. Dalton. No. 1,073,403; Sept. 16; Gaz. vol. 194; p. 668.
- Valve-reversing gear, Steam-engine. H. R. Stafford and R. Rennie. No. 1,077,862; Nov. 4; Gaz. vol. 196; p. 212.
- Valve-reversing gear, Steam-engine. W. Dalton. No. 1,078,774; Nov. 18; Gaz. vol. 196; p. 593.
- Valve, Rotary. G. Von Rottweiler. No. 1,049,607; Jan. 7; Gaz. vol. 186; p. 100.
- Valve, Rotary. J. Shaw. No. 1,066,762; July 8; Gaz. vol. 192; p. 330.
- Valve, Rotary. M. Jaeger. No. 1,072,949; Sept. 9; Gaz. vol. 194; p. 471.
- Valve, Safety-. J. F. Brown and S. Cusenza. No. 1,049,662; Jan. 7; Gaz. vol. 186; p. 118.
- Valve, Safety-. R. Cockburn and D. MacNicol. No. 1,056,005; Mar. 18; Gaz. vol. 188; p. 524.
- Valve, Safety-. J. Lombard. No. 1,056,562; Mar. 18; Gaz. vol. 188; p. 716.
- Valve, Safety-. G. W. Keller. No. 1,071,431; Aug. 26; Gaz. vol. 193; p. 901.
- Valve, Safety-. M. J. Kulla. No. 1,072,334; Sept. 2; Gaz. vol. 194; p. 223.
- Valve safety device, Gas-. W. Schoeler. No. 1,070,187; Aug. 12; Gaz. vol. 193; p. 408.
- Valve-seat. J. Thompson. No. 1,067,284; July 15; Gaz. vol. 192; p. 544.
- Valve-seat. J. H. Mixer. No. 1,074,191; Sept. 30; Gaz. vol. 194; p. 987.
- Valve-seats and for like purposes, Machine for facing and refacing. W. Crockatt. No. 1,075,198; Oct. 7; Gaz. vol. 195; p. 210.
- Valve-seats, Tool for making spherical. M. Mintz. No. 1,063,995; June 10; Gaz. vol. 191; p. 317.
- Valve, Self-cleaning washstand-. H. M. Spangler. No. 1,071,271; Aug. 26; Gaz. vol. 193; p. 848.
- Valve, Self-closing. J. H. Ashton. No. 1,068,556; July 29; Gaz. vol. 192; p. 1047.
- Valve, Sewer-. F. Barker. No. 1,063,637; June 3; Gaz. vol. 191; p. 162.
- Valve shut-off, Gas-. J. Dub. No. 1,069,681; Aug. 12; Gaz. vol. 193; p. 233.
- Valve-spigot. C. E. Fisher. No. 1,064,305; June 10; Gaz. vol. 191; p. 423.
- Valve-spring lifter. W. M. Hallbauer. No. 1,064,640; June 10; Gaz. vol. 191; p. 537.
- Valve-springs, Tool for compressing. C. Nyberg. No. 1,052,941; Feb. 11; Gaz. vol. 187; p. 408.
- Valve, Steam-actuated. W. H. Blake. No. 1,052,452; Feb. 11; Gaz. vol. 187; p. 241.
- Valve, Steam-chest relief-. S. S. Riegel. No. 1,054,794; Mar. 4; Gaz. vol. 188; p. 49.
- Valve, Steam-engine. F. H. and F. O. Ball. No. 1,059,922; Apr. 22; Gaz. vol. 189; p. 980.
- Valve, Steam-engine. E. F. Williams. No. 1,076,256; Oct. 21; Gaz. vol. 195; p. 627.
- Valve, Steam-engine exhaust-. H. O. Hem. No. 1,050,537; Jan. 14; Gaz. vol. 186; p. 451.
- Valve, Steam-engine throttle-. E. E. Adams. No. 1,067,233; July 15; Gaz. vol. 192; p. 525.
- Valve, Steam-trap. S. V. Sharood. No. 1,066,057; July 1; Gaz. vol. 192; p. 54.
- Valve-stem and check-valve. C. A. Haas. No. 1,078,347; Nov. 11; Gaz. vol. 196; p. 413.
- Valve-stems, Fluid-tight joint for rotary. C. F. Tebbets. No. 1,054,149; Feb. 25; Gaz. vol. 187; p. 900.
- Valve, Straightway. F. H. Ordner. No. 1,055,215; Mar. 4; Gaz. vol. 188; p. 187.
- Valve structure. M. E. Morel. No. 1,058,996; Apr. 15; Gaz. vol. 189; p. 634.
- Valve structure. O. W. Bailey. No. 1,059,104; Apr. 15; Gaz. vol. 189; p. 672.
- Valve structure. J. Schwertner. No. 1,060,030; Apr. 29; Gaz. vol. 189; p. 1061.
- Valve structure for internal-combustion engines. M. E. Morel. No. 1,078,942; Nov. 18; Gaz. vol. 196; p. 648.
- Valve structure, Needle-. E. E. Frederick. No. 1,064,894; June 17; Gaz. vol. 191; p. 658.
- Valve, Supply-. J. J. Meyer. No. 1,072,971; Sept. 9; Gaz. vol. 194; p. 480.
- Valve, Thermally-released check-. A. W. Carlson. No. 1,082,107; Dec. 23; Gaz. vol. 197; p. 842.
- Valve, Thermostatic. J. W. Barton. No. 1,055,307; Mar. 11; Gaz. vol. 188; p. 255.
- Valve, Thermostatic. R. S. Mayer. No. 1,063,564; June 3; Gaz. vol. 191; p. 134.
- Valve, Thermostatic. R. T. Parisen. No. 1,075,934; Oct. 14; Gaz. vol. 195; p. 490.
- Valve, Three-way. T. Stebbins. No. 1,053,327; Feb. 18; Gaz. vol. 187; p. 584.
- Valve, Triple. E. K. Hutchison. No. 1,052,342; Feb. 4; Gaz. vol. 187; p. 170.
- Valve, Triple. J. R. Snyder. No. 1,080,662; Dec. 9; Gaz. vol. 197; p. 289.
- Valve-tube. E. W. Caldwell. No. 1,076,949; Oct. 28; Gaz. vol. 195; p. 927.
- Valve, Turbine-. R. H. Rice. No. 1,061,690; May 13; Gaz. vol. 190; p. 425.
- Valve, Vacuum-. J. H. Lindsay. No. 1,060,345; Apr. 29; Gaz. vol. 189; p. 1170.
- Valve, Vacuum-. O. S. Sleeper. No. 1,079,150; Nov. 18; Gaz. vol. 196; p. 722.
- Valve, Vaporizing-. W. C. Westaway. No. 1,068,830; July 29; Gaz. vol. 192; p. 1146.
- Valve, Ventilating-. M. Murphy. No. 1,069,022; July 29; Gaz. vol. 192; p. 1210.
- Valve, Volumetric. W. K. Richardson. No. 1,055,291; Mar. 4; Gaz. vol. 188; p. 211.
- Valves, Device for automatically closing locomotive-. T. W. Griffin and C. J. Rathern. No. 1,067,106; July 8; Gaz. vol. 192; p. 444.
- Valves, Device for manipulating explosive-engine. J. H. Wall. No. 1,065,749; June 24; Gaz. vol. 191; p. 980.
- Valves, Handle or lever for air-brake. C. J. Daly. No. 1,064,888; June 17; Gaz. vol. 191; p. 655.
- Valves, Locking device for fuel-supply. A. K. Harnly. No. 1,062,154; May 20; Gaz. vol. 190; p. 619.
- Valves, Means for lubricating. E. H. Tartrais. No. 1,071,112; Aug. 26; Gaz. vol. 193; p. 795.
- Valves, Means for operating train-pipe air-brake. A. G. Olson. No. 1,070,838; Aug. 19; Gaz. vol. 193; p. 669.
- Valves, Mechanism for controlling the operation of. M. Ergenzinger. No. 1,071,993; Sept. 2; Gaz. vol. 194; p. 111.
- Valves of gas-burners, Device for controlling. A. B. Shaw. No. 1,074,090; Sept. 23; Gaz. vol. 194; p. 924.
- Valves, Packing for piston-. J. T. Wilson. No. 1,072,683; Sept. 9; Gaz. vol. 194; p. 375.
- Valves, Tag for water-pipe. J. A. Cole. No. 1,061,730; May 13; Gaz. vol. 190; p. 438.
- Valves, Thermostatic attachment for steam-. W. E. Tillinghast. No. 1,054,805; Mar. 4; Gaz. vol. 188; p. 52.
- Valved coupling. J. N. Timmer. No. 1,073,719; Sept. 23; Gaz. vol. 194; p. 801.
- Valved stopper for siphon and other bottles. T. F. Garrett. No. 1,074,616; Oct. 7; Gaz. vol. 195; p. 10.
- Vamp-snipping machine. G. F. Dunn. No. 1,057,378; Mar. 25; Gaz. vol. 188; p. 1022.
- Vanadium from carnotite concentrates, Extracting. S. Fischer. No. 1,054,102; Feb. 25; Gaz. vol. 187; p. 884.
- Vanadium from uranium, Separating. W. F. Blecker. No. 1,050,796; Jan. 21; Gaz. vol. 186; p. 570.
- Vanadium, Purifying. W. F. Blecker. No. 1,065,582; June 24; Gaz. vol. 191; p. 925.
- Vanity-box. L. Morse. No. 1,077,093; Oct. 28; Gaz. vol. 195; p. 975.
- Vanner. G. F. De Wein. No. 1,081,894; Dec. 16; Gaz. vol. 197; p. 741.
- Vapor-absorber, smoke and soot preventer, and heat-retainer. G. H. Backmire. No. 1,076,942; Oct. 28; Gaz. vol. 195; p. 924.
- Vapor apparatus, Electric. C. O. Bastian. No. 1,079,926; Nov. 25; Gaz. vol. 196; p. 1021.
- Vapor apparatus, Mercury-. J. C. Pole. No. 1,078,641; Nov. 18; Gaz. vol. 196; p. 544.
- Vapor apparatus, Mercury-. F. G. Keyes. No. 1,078,859; Nov. 18; Gaz. vol. 196; p. 622.
- Vapor apparatus, Protecting device for. P. C. Hewitt. No. 1,052,583; Feb. 11; Gaz. vol. 187; p. 284.
- Vapor apparatus, Protecting mercury-. O. O. Kruh. No. 1,076,212; Oct. 21; Gaz. vol. 195; p. 612.
- Vapor apparatus starting device. P. C. Hewitt. No. 1,069,696; Aug. 12; Gaz. vol. 193; p. 238.
- Vapor-burner. J. C. Thompson. No. 1,060,867; May 6; Gaz. vol. 190; p. 105.
- Vapor-burner. H. S. Thornton. No. 1,076,718; Oct. 28; Gaz. vol. 195; p. 845.
- Vapor-engine. W. F. Stone. No. 1,063,475; June 3; Gaz. vol. 191; p. 103.
- Vapor-engine. W. G. Johnston. No. 1,064,656; June 10; Gaz. vol. 191; p. 542.
- Vapor-generator. E. Seitz. No. 1,081,255; Dec. 9; Gaz. vol. 197; p. 489.
- Vapor generator and burner. J. W. Barner and B. W. Marshall. No. 1,051,828; Jan. 28; Gaz. vol. 186; p. 955.
- Vapor generator and burner. L. S. Lawson. No. 1,059,739; Apr. 22; Gaz. vol. 189; p. 921.
- Vapor generator and mixer. E. R. Huber. No. 1,061,382; May 13; Gaz. vol. 190; p. 315.
- Vapor, Producing a fuel. A. T. Porter and H. E. Rider. No. 1,064,086; June 10; Gaz. vol. 191; p. 348.
- Vapor rectifier, Mercury-. J. W. Lewis. No. 1,078,629; Nov. 18; Gaz. vol. 196; p. 540.
- Vapors, Attachment for distributing. E. E. Siefert. No. 1,066,851; July 8; Gaz. vol. 192; p. 358.

Alphabetical list of inventions—Continued.

- Vaporizer. O. H. Ensign. No. 1,064,627; June 10; Gaz. vol. 191; p. 533.
- Vaporizer. R. E. Sherman. No. 1,064,782; June 17; Gaz. vol. 191; p. 622.
- Vaporizer. A. D. Jones. No. 1,065,138; June 17; Gaz. vol. 191; p. 736.
- Vaporizer. T. Beucus. No. 1,065,580; June 24; Gaz. vol. 191; p. 924.
- Vaporizer. G. A. Arnold. No. 1,072,685; Sept. 9; Gaz. vol. 194; p. 376.
- Vaporizer. J. T. Freestone. No. 1,080,432; Dec. 2; Gaz. vol. 197; p. 182.
- Vaporizer and burner. P. H. Williams. No. 1,052,635; Feb. 11; Gaz. vol. 187; p. 303.
- Vaporizer and inhaler. J. W. Blosser. No. 1,071,387; Aug. 26; Gaz. vol. 193; p. 888.
- Vaporizer and vapor-burner. A. C. and A. J. Behnke. No. 1,061,518; May 13; Gaz. vol. 190; p. 364.
- Vaporizer attachment. E. M. Norton. No. 1,079,950; Dec. 2; Gaz. vol. 197; p. 9.
- Vaporizer for fumigating, perfuming, and the like. W. L. Oddey. No. 1,075,267; Oct. 7; Gaz. vol. 195; p. 236.
- Vaporizing and carbureting device. M. B. B. Boyd and J. Rickard. No. 1,067,582; July 15; Gaz. vol. 192; p. 644.
- Vaporizing apparatus. C. A. Waldeck. No. 1,068,288; July 22; Gaz. vol. 192; p. 919.
- Vaporizing apparatus. G. Constantinescu. (Reissue.) No. 1,3635; Oct. 28; Gaz. vol. 195; p. 1023.
- Varnish. A. Kuegel. No. 1,080,461; Dec. 2; Gaz. vol. 197; p. 191.
- Varnish and making the same. H. Rosenberg. No. 1,062,419; May 20; Gaz. vol. 190; p. 707.
- Varnish and paint remover. J. W. Alexander. No. 1,051,978; Feb. 4; Gaz. vol. 187; p. 45.
- Varnish, Manufacture of. H. Schlueter and C. Zimmermann, Jr. No. 1,053,652; Feb. 18; Gaz. vol. 187; p. 695.
- Varnishes, Manufacture of. L. Meunier. No. 1,067,536; July 15; Gaz. vol. 192; p. 629.
- Vase, Fountain-. W. F. Glassco. No. 1,081,825; Dec. 16; Gaz. vol. 197; p. 719.
- Vase, Vehicle-. J. E. Marsden. No. 1,063,709; June 3; Gaz. vol. 191; p. 188.
- Vat: *See* Bark-softening vat; Tempering-vat.
- Vault. W. H. Hollar. No. 1,053,815; Feb. 18; Gaz. vol. 187; p. 750.
- Vault, Burglar-proof. J. D. Banker. No. 1,050,907; Jan. 21; Gaz. vol. 186; p. 612.
- Vault, Burial-. J. Bermel. No. 1,050,717; Jan. 14; Gaz. vol. 186; p. 508.
- Vault, Burial-. J. C. Snyder. No. 1,055,825; Mar. 11; Gaz. vol. 188; p. 430.
- Vault, Burial-. C. A. Mason. No. 1,060,849; May 6; Gaz. vol. 190; p. 99.
- Vault, Burial-. I. H. Ryan. No. 1,063,393; June 3; Gaz. vol. 191; p. 76.
- Vault, Burial-. J. Rector. No. 1,069,470; Aug. 5; Gaz. vol. 193; p. 135.
- Vault, Burial-. A. D. Cook. No. 1,079,217; Nov. 18; Gaz. vol. 196; p. 745.
- Vault, Cement grave-. H. Johnson. No. 1,056,027; Mar. 18; Gaz. vol. 188; p. 532.
- Vault-door. G. W. Kennington. No. 1,082,340; Dec. 23; Gaz. vol. 197; p. 924.
- Vault-head. A. W. Kurz. No. 1,056,801; Mar. 25; Gaz. vol. 188; p. 826.
- Vault-head. A. W. Kurz. No. 1,056,802; Mar. 25; Gaz. vol. 188; p. 826.
- Vault-head. J. G. Kurz. No. 1,066,736; July 8; Gaz. vol. 192; p. 322.
- Vault-light. W. M. Prather. No. 1,049,530; Jan. 7; Gaz. vol. 186; p. 71.
- Vault-light construction. L. W. Mulford. No. 1,052,085; Feb. 4; Gaz. vol. 187; p. 83.
- Vault, Waterproof burial-. C. H. Stamm. No. 1,056,955; Mar. 25; Gaz. vol. 188; p. 880.
- Vaulting-horse buck. A. J. Thornley. No. 1,052,189; Feb. 4; Gaz. vol. 187; p. 120.
- Vaulting-horses, Caster mechanism for. P. S. Medart. No. 1,076,778; Oct. 28; Gaz. vol. 195; p. 866.
- Vegetable and animal extracts, Peptonized. N. Sulzberger. No. 1,060,296; Apr. 29; Gaz. vol. 189; p. 1153.
- Vegetable-cutter. D. C. Thompson. No. 1,058,116; Apr. 8; Gaz. vol. 189; p. 291.
- Vegetable-cutter. H. Plager. No. 1,061,867; May 13; Gaz. vol. 190; p. 479.
- Vegetable-cutter, Combination. A. B. Stoler and A. W. Hewson. No. 1,070,854; Aug. 19; Gaz. vol. 193; p. 675.
- Vegetable cutting and fashioning machine. E. and F. Hager. No. 1,068,123; July 22; Gaz. vol. 192; p. 859.
- Vegetable-fork. G. B. N. Dow and J. F. Cavanaugh. No. 1,065,433; June 24; Gaz. vol. 191; p. 874.
- Vegetable-picker. R. White. No. 1,072,065; Sept. 2; Gaz. vol. 194; p. 135.
- Vehicle. P. Forschler. No. 1,052,231; Feb. 4; Gaz. vol. 187; p. 134.
- Vehicle. J. Charter. No. 1,057,479; Apr. 1; Gaz. vol. 189; p. 29.
- Vehicle. G. P. Henderson and J. F. Parrott. No. 1,058,864; Apr. 15; Gaz. vol. 189; p. 587.
- Vehicle. C. Grotnes. No. 1,059,149; Apr. 15; Gaz. vol. 189; p. 686.
- Vehicle. L. Kennard. No. 1,065,876; June 24; Gaz. vol. 191; p. 1024.
- Vehicle. H. C. Priebe. No. 1,066,146; July 1; Gaz. vol. 192; p. 85.
- Vehicle. T. A. Klenke and F. N. Roehrich. No. 1,066,919; July 8; Gaz. vol. 192; p. 383.
- Vehicle. L. Clark. No. 1,069,228; Aug. 5; Gaz. vol. 193; p. 50.
- Vehicle. R. S. Blair. No. 1,070,765; Aug. 19; Gaz. vol. 193; p. 647.
- Vehicle. R. H. Rice. No. 1,071,348; Aug. 26; Gaz. vol. 193; p. 874.
- Vehicle. L. E. Bushby. No. 1,073,330; Sept. 16; Gaz. vol. 194; p. 642.
- Vehicle. J. E. Wright. No. 1,074,078; Sept. 23; Gaz. vol. 194; p. 920.
- Vehicle. J. A. Becher. No. 1,074,596; Oct. 7; Gaz. vol. 195; p. 3.
- Vehicle. J. W. Drew. No. 1,081,372; Dec. 16; Gaz. vol. 197; p. 568.
- Vehicle advancing by means of artificial legs. A. Ehrlich. No. 1,079,695; Nov. 25; Gaz. vol. 196; p. 938.
- Vehicle air-cushion device. J. G. Funk. No. 1,055,734; Mar. 11; Gaz. vol. 188; p. 397.
- Vehicle and like wheel. G. F. Godley. No. 1,074,187; Oct. 7; Gaz. vol. 195; p. 69.
- Vehicle antivibration device. E. V. Hartford. No. 1,080,630; Dec. 9; Gaz. vol. 197; p. 278.
- Vehicle, Ash and refuse. C. Putzel. No. 1,072,651; Sept. 9; Gaz. vol. 194; p. 364.
- Vehicle-apron. G. F. Schulze. No. 1,068,938; July 29; Gaz. vol. 192; p. 1183.
- Vehicle attachment. W. Welsh, Jr. No. 1,064,797; June 17; Gaz. vol. 191; p. 626.
- Vehicle attachment. W. T. Pickering. No. 1,071,084; Aug. 26; Gaz. vol. 193; p. 785.
- Vehicle automatic steering device, Motor-. E. M. Wheelock. No. 1,052,868; Feb. 11; Gaz. vol. 187; p. 382.
- Vehicle axle-upsetting machine. C. W. Green. No. 1,080,338; Dec. 2; Gaz. vol. 197; p. 147.
- Vehicle back-stop. J. H. Adams. No. 1,067,707; July 15; Gaz. vol. 192; p. 687.
- Vehicle-body. P. A. Ellis. No. 1,053,795; Feb. 18; Gaz. vol. 187; p. 745.
- Vehicle-body. T. H. Parry. No. 1,054,711; Mar. 4; Gaz. vol. 188; p. 19.
- Vehicle-body. B. L. Craig. No. 1,055,713; Mar. 11; Gaz. vol. 188; p. 391.
- Vehicle-body. B. L. Craig. No. 1,055,714; Mar. 11; Gaz. vol. 188; p. 391.
- Vehicle-body. G. B. Radford. No. 1,055,794; Mar. 11; Gaz. vol. 188; p. 420.
- Vehicle-body. C. D. Orcutt. No. 1,081,056; Dec. 9; Gaz. vol. 197; p. 423.
- Vehicle-body, Convertible. G. C. Plummer. No. 1,072,394; Sept. 2; Gaz. vol. 194; p. 246.
- Vehicle-brake. W. R. Robinson. No. 1,049,534; Jan. 7; Gaz. vol. 186; p. 73.
- Vehicle-brake. W. W. Denton. No. 1,057,042; Mar. 25; Gaz. vol. 188; p. 911.
- Vehicle-brake. G. H. Kanke. No. 1,063,266; June 3; Gaz. vol. 191; p. 33.
- Vehicle-brake. D. W. Hostetler. No. 1,070,686; Aug. 19; Gaz. vol. 193; p. 620.
- Vehicle-brake. W. J. McDougal. No. 1,073,266; Sept. 16; Gaz. vol. 194; p. 619.
- Vehicle-brake. H. C. Washburn. No. 1,074,482; Sept. 30; Gaz. vol. 194; p. 1083.
- Vehicle-brake. S. E. O'Brien. No. 1,077,546; Nov. 4; Gaz. vol. 196; p. 107.
- Vehicle-brake. R. H. Maxfield. No. 1,081,850; Dec. 16; Gaz. vol. 197; p. 728.
- Vehicle-brake. N. Blanchet. No. 1,082,396; Dec. 23; Gaz. vol. 197; p. 943.
- Vehicle-brake, Automatic. C. C. Cox. No. 1,082,410; Dec. 23; Gaz. vol. 197; p. 947.
- Vehicle-brakes, Windlass attachment for. G. P. Crutchfield. No. 1,075,902; Oct. 14; Gaz. vol. 195; p. 478.
- Vehicle braking mechanism. T. V. Buckwalter. (Reissue.) No. 13,620; Sept. 30; Gaz. vol. 194; p. 1120.
- Vehicle-buffer. K. E. Stuart. No. 1,059,646; Apr. 22; Gaz. vol. 189; p. 891.
- Vehicle-buffer. J. V. Rowan. No. 1,071,586; Aug. 26; Gaz. vol. 193; p. 952.
- Vehicle chassis or frame. S. Babcock. No. 1,071,498; Aug. 26; Gaz. vol. 193; p. 923.
- Vehicle-check. A. Gammelin. No. 1,065,518; June 24; Gaz. vol. 191; p. 902.
- Vehicle-check. F. Rode. No. 1,076,152; Oct. 21; Gaz. vol. 195; p. 593.
- Vehicle-check. W. E. Perrine. No. 1,079,020; Nov. 18; Gaz. vol. 196; p. 678.
- Vehicle, Coaster-. H. F. Henley. No. 1,070,468; Aug. 19; Gaz. vol. 193; p. 546.
- Vehicle control mechanism, Motor-. E. A. Nelson. No. 1,050,984; Jan. 21; Gaz. vol. 186; p. 638.

Alphabetical list of inventions—Continued.

- Vehicle control system. J. T. Cade. No. 1,059,828; Apr. 22; Gaz. vol. 189; p. 950.
- Vehicle control system. J. T. Cade. No. 1,064,441; June 10; Gaz. vol. 191; p. 471.
- Vehicle controlling mechanism, Motor-. M. Tibbetts. No. 1,055,834; Mar. 11; Gaz. vol. 188; p. 433.
- Vehicle, Convertible. J. G. Raltheil. No. 1,056,939; Mar. 25; Gaz. vol. 188; p. 875.
- Vehicle, Convertible. G. M. Custer. No. 1,075,336; Oct. 14; Gaz. vol. 195; p. 285.
- Vehicle-coupling. O. Johnson. No. 1,065,688; June 24; Gaz. vol. 191; p. 961.
- Vehicle-coupling. W. Forthmann. No. 1,073,339; Sept. 16; Gaz. vol. 194; p. 646.
- Vehicle coupling means. W. A. T. Müller. No. 1,071,453; Aug. 26; Gaz. vol. 193; p. 908.
- Vehicle-curtain. W. H. Goodfellow. No. 1,066,269; July 1; Gaz. vol. 192; p. 130.
- Vehicle door-fastener. R. H. Willcox. No. 1,079,969; Dec. 2; Gaz. vol. 197; p. 17.
- Vehicle-door, Sliding. W. W. Ellis. No. 1,055,969; Mar. 11; Gaz. vol. 188; p. 477.
- Vehicle-doors, Means for operating. W. M. Simmons. No. 1,076,165; Oct. 21; Gaz. vol. 195; p. 596.
- Vehicle, Double-decked. L. Spängler. No. 1,083,225; Dec. 30; Gaz. vol. 197; p. 1254.
- Vehicle draft attachments, Connecting device for. J. E. Loughridge. No. 1,051,138; Jan. 21; Gaz. vol. 186; p. 691.
- Vehicle draft-reducing device. W. E. and R. Murbarger. No. 1,053,059; Feb. 11; Gaz. vol. 187; p. 447.
- Vehicle drive-gear, Motor-. E. Baker. No. 1,060,416; Apr. 29; Gaz. vol. 189; p. 1197.
- Vehicle drive-wheel mounting. J. S. Booth. No. 1,077,926; Nov. 4; Gaz. vol. 196; p. 235.
- Vehicle driving and braking mechanism. J. S. Copeland. No. 1,069,603; Aug. 5; Gaz. vol. 193; p. 177.
- Vehicle driving-gear, Motor-. E. V. Varcoe. No. 1,072,797; Sept. 9; Gaz. vol. 194; p. 415.
- Vehicle driving-gear, Motor-road-. G. Agnelli. No. 1,050,049; Jan. 7; Gaz. vol. 186; p. 248.
- Vehicle driving mechanism. E. M. Heylman. No. 1,070,890; Aug. 19; Gaz. vol. 193; p. 686.
- Vehicle driving mechanism. R. C. Mangum. No. 1,076,132; Oct. 21; Gaz. vol. 195; p. 585.
- Vehicle driving mechanism. E. G. Hoffmann. No. 1,076,652; Oct. 21; Gaz. vol. 195; p. 769.
- Vehicle driving mechanism, Motor-. J. D. Rowland. No. 1,059,216; Apr. 15; Gaz. vol. 189; p. 709.
- Vehicle driving-wheel, Motor-. W. G. Miller. No. 1,082,434; Dec. 23; Gaz. vol. 197; p. 955.
- Vehicle, Dumping-. J. W. King. No. 1,062,477; May 20; Gaz. vol. 190; p. 726.
- Vehicle, Dumping-. J. H. Ursbruck. No. 1,064,574; June 10; Gaz. vol. 191; p. 515.
- Vehicle, Dumping-. J. T. Gilman. No. 1,066,100; July 1; Gaz. vol. 192; p. 69.
- Vehicle, Dumping-. J. T. Gilman. No. 1,066,101; July 1; Gaz. vol. 192; p. 70.
- Vehicle, Dumping-. J. T. Gilman. No. 1,066,102; July 1; Gaz. vol. 192; p. 70.
- Vehicle, Dumping-. J. T. Gilman. No. 1,066,103; July 1; Gaz. vol. 192; p. 70.
- Vehicle, Dumping-. L. Bruder. No. 1,078,246; Nov. 11; Gaz. vol. 196; p. 376.
- Vehicle, Dumping-. W. B. and P. S. Longest. No. 1,079,780; Nov. 25; Gaz. vol. 196; p. 971.
- Vehicle extension side-board. M. L. Moreland. No. 1,060,353; Apr. 29; Gaz. vol. 189; p. 1173.
- Vehicle-fender. O. H. Frank. No. 1,058,359; Apr. 8; Gaz. vol. 189; p. 377.
- Vehicle-fender. S. Fleischmann. No. 1,072,108; Sept. 2; Gaz. vol. 194; p. 150.
- Vehicle-fender. J. Mascari. No. 1,079,872; Nov. 25; Gaz. vol. 196; p. 1002.
- Vehicle folding top. C. Wolfermann. No. 1,065,092; June 17; Gaz. vol. 191; p. 722.
- Vehicle folding tops, Appliance for adjusting. W. J. Hutchinson. No. 1,073,900; Sept. 23; Gaz. vol. 194; p. 861.
- Vehicle foot-rest. D. A. Maanum. No. 1,059,887; Apr. 22; Gaz. vol. 189; p. 968.
- Vehicle for transport and tractive purposes, Self-propelled. H. P. Saunderson. No. 1,066,954; July 8; Gaz. vol. 192; p. 394.
- Vehicle-frame. G. H. Jones. No. 1,053,824; Feb. 18; Gaz. vol. 187; p. 753.
- Vehicle-frame. A. W. Wall. No. 1,056,073; Mar. 18; Gaz. vol. 188; p. 547.
- Vehicle-frame. G. H. Humphrey. No. 1,069,334; Aug. 5; Gaz. vol. 193; p. 86.
- Vehicle-frame. C. J. Pembroke. No. 1,071,335; Aug. 26; Gaz. vol. 193; p. 869.
- Vehicle frame, Motor-. W. S. Morton. No. 1,062,789; May 27; Gaz. vol. 190; p. 870.
- Vehicle-frames, Cushioning apparatus for. R. Herman. No. 1,064,215; June 10; Gaz. vol. 191; p. 393.
- Vehicle-gear. C. A. Behlen. No. 1,051,667; Jan. 28; Gaz. vol. 186; p. 903.
- Vehicle-gear. I. E. Hickok. No. 1,081,910; Dec. 16; Gaz. vol. 197; p. 746.
- Vehicle-gear, Double-reach. R. M. Arnold. No. 1,066,693; July 8; Gaz. vol. 192; p. 306.
- Vehicle-gear, Short-turn. T. Sandstrom. No. 1,069,190; Aug. 5; Gaz. vol. 193; p. 35.
- Vehicle-hood. C. E. Jones. No. 1,060,260; Apr. 29; Gaz. vol. 189; p. 1139.
- Vehicle-hood. A. Hennessy. No. 1,064,969; June 17; Gaz. vol. 191; p. 682.
- Vehicle indicating device. M. Felix. No. 1,075,555; Oct. 14; Gaz. vol. 195; p. 361.
- Vehicle-indicator. J. L. Day. No. 1,054,511; Feb. 25; Gaz. vol. 187; p. 1025.
- Vehicle-jack. W. T. Adams. No. 1,057,315; Mar. 25; Gaz. vol. 188; p. 1002.
- Vehicle-jack. M. Stewart. No. 1,078,111; Nov. 11; Gaz. vol. 196; p. 330.
- Vehicle jack apparatus. M. Simpson. No. 1,072,183; Sept. 2; Gaz. vol. 194; p. 176.
- Vehicle lamp-support. A. E. Dobbs. No. 1,064,454; June 10; Gaz. vol. 191; p. 476.
- Vehicle lighting system. C. A. Dean. No. 1,072,096; Sept. 2; Gaz. vol. 194; p. 145.
- Vehicle luggage-box. J. H. Waite. No. 1,049,951; Jan. 7; Gaz. vol. 186; p. 214.
- Vehicle, Manually-propelled. C. L. Hall. No. 1,050,454; Jan. 14; Gaz. vol. 186; p. 421.
- Vehicle, Motor-. E. P. Cowles. No. 1,050,810; Jan. 21; Gaz. vol. 186; p. 576.
- Vehicle, Motor-. A. H. Knight. No. 1,052,485; Feb. 11; Gaz. vol. 187; p. 252.
- Vehicle, Motor-. P. T. Dodge. No. 1,057,127; Mar. 25; Gaz. vol. 188; p. 940.
- Vehicle, Motor-. C. H. Kuyper. No. 1,058,605; Apr. 8; Gaz. vol. 189; p. 459.
- Vehicle, Motor-. H. Pieper. No. 1,058,899; Apr. 15; Gaz. vol. 189; p. 600.
- Vehicle, Motor-. L. S. Pfouts. No. 1,059,562; Apr. 22; Gaz. vol. 189; p. 864.
- Vehicle, Motor-. C. J. Pembroke. No. 1,060,701; May 6; Gaz. vol. 190; p. 48.
- Vehicle, Motor-. N. D. Levin. No. 1,062,172; May 20; Gaz. vol. 190; p. 624.
- Vehicle, Motor-. E. B. Gallaher. No. 1,062,452; May 20; Gaz. vol. 190; p. 718.
- Vehicle, Motor-. W. P. Rayner. No. 1,064,089; June 10; Gaz. vol. 191; p. 349.
- Vehicle, Motor-. P. Synnestvedt. No. 1,064,259; June 10; Gaz. vol. 191; p. 408.
- Vehicle, Motor-. O. B. Whippl. No. 1,064,582; June 10; Gaz. vol. 191; p. 518.
- Vehicle, Motor-. E. R. Whitney. No. 1,065,413; June 24; Gaz. vol. 191; p. 867.
- Vehicle, Motor-. A. Bouas. No. 1,066,072; July 1; Gaz. vol. 192; p. 59.
- Vehicle, Motor-. M. Moskowitz. No. 1,069,279; Aug. 5; Gaz. vol. 193; p. 67.
- Vehicle, Motor-. H. Zielinski. No. 1,072,557; Sept. 9; Gaz. vol. 194; p. 332.
- Vehicle, Motor-. R. Huff. No. 1,072,851; Sept. 9; Gaz. vol. 194; p. 435.
- Vehicle, Motor-. R. Huff. No. 1,073,073; Sept. 9; Gaz. vol. 194; p. 515.
- Vehicle, Motor-. J. W. Bruce. No. 1,075,088; Oct. 7; Gaz. vol. 195; p. 172.
- Vehicle, Motor-. J. W. Hamm. No. 1,076,033; Oct. 21; Gaz. vol. 195; p. 552.
- Vehicle, Motor-. T. F. McCallister. No. 1,080,361; Dec. 2; Gaz. vol. 197; p. 157.
- Vehicle, Motor-. R. Huff. No. 1,082,026; Dec. 23; Gaz. vol. 197; p. 815.
- Vehicle, Motor-. L. S. Ross. No. 1,082,047; Dec. 23; Gaz. vol. 197; p. 823.
- Vehicle, Motor-. J. Dain. No. 1,082,504; Dec. 30; Gaz. vol. 197; p. 1011.
- Vehicle, Motor road-. G. Fornaca. No. 1,054,104; Feb. 25; Gaz. vol. 187; p. 884.
- Vehicle-mounting. A. A. Pratt. No. 1,057,979; Apr. 1; Gaz. vol. 189; p. 199.
- Vehicle-mounting. A. A. Pratt. No. 1,080,847; Dec. 9; Gaz. vol. 197; p. 356.
- Vehicle on a track, Device for placing a. W. C. Carney. No. 1,051,082; Jan. 21; Gaz. vol. 186; p. 672.
- Vehicle, Pedal-propelled. P. J. Widera. No. 1,072,284; Sept. 2; Gaz. vol. 194; p. 207.
- Vehicle platform-gear. J. Errett. No. 1,076,202; Oct. 21; Gaz. vol. 195; p. 608.
- Vehicle pneumatic cushioning device. C. L. Sutton. No. 1,064,395; June 10; Gaz. vol. 191; p. 454.
- Vehicle pneumatic wheel. T. Pendell. No. 1,071,571; Aug. 26; Gaz. vol. 193; p. 946.
- Vehicle propelled by a combination of electrical and mechanical power. W. N. Stewart. No. 1,065,982; July 1; Gaz. vol. 192; p. 28.
- Vehicle propelling means, Child's-. J. Horanszky. No. 1,069,258; Aug. 5; Gaz. vol. 193; p. 60.
- Vehicle propelling mechanism. A. Plagman. No. 1,053,867; Feb. 18; Gaz. vol. 187; p. 767.

Alphabetical list of inventions—Continued.

- Vehicle propelling mechanism. J. E. Cress. No. 1,072,093; Sept. 2; Gaz. vol. 194; p. 144.
- Vehicle radiator-support, Motor-. R. Huff. No. 1,067,737; July 15; Gaz. vol. 192; p. 697.
- Vehicle-raiser. R. Bean. No. 1,083,182; Dec. 30; Gaz. vol. 197; p. 1239.
- Vehicle recording device. S. T. Park and J. E. Phillips. No. 1,054,601; Feb. 25; Gaz. vol. 187; p. 1054.
- Vehicle resilient wheel, Road-. J., Sr., and J. O'Reilly, Jr. No. 1,065,713; June 24; Gaz. vol. 191; p. 969.
- Vehicle-rim. Auxiliary raising and centering. A. J. A. Bruet. No. 1,078,825; Nov. 18; Gaz. vol. 196; p. 610.
- Vehicle-rim. Demountable. P. B. Bosworth. No. 1,063,500; June 3; Gaz. vol. 191; p. 111.
- Vehicle-rims. Clamping device for demountable. F. H. Moyer. No. 1,059,382; Apr. 22; Gaz. vol. 189; p. 802.
- Vehicle rub-iron. G. Schubert. No. 1,074,213; Sept. 30; Gaz. vol. 194; p. 994.
- Vehicle-runner. A. B. Longenecker. No. 1,053,616; Feb. 18; Gaz. vol. 187; p. 683.
- Vehicle runner attachment. H. G. Frank. No. 1,068,883; July 29; Gaz. vol. 192; p. 1164.
- Vehicle running-gear. P. Kiltz. No. 1,058,600; Apr. 8; Gaz. vol. 189; p. 457.
- Vehicle running-gear. S. F. Douglass. No. 1,068,044; July 22; Gaz. vol. 192; p. 834.
- Vehicle running-gear. P. K. Olechna. No. 1,069,806; Aug. 12; Gaz. vol. 193; p. 277.
- Vehicle running-gear. L. Mayer. No. 1,073,265; Sept. 16; Gaz. vol. 194; p. 619.
- Vehicle running-gear, Convertible sliding and wheeled. G. S. Raymond. No. 1,060,123; Apr. 29; Gaz. vol. 189; p. 1091.
- Vehicle running-gear, Resilient. W. H. Browning. No. 1,066,378; July 1; Gaz. vol. 192; p. 166.
- Vehicle running-gear, Motor-. H. G. Carr. No. 1,061,981; May 20; Gaz. vol. 190; p. 559.
- Vehicle safety appliance. C. Brunswick. No. 1,077,217; Oct. 28; Gaz. vol. 195; p. 1013.
- Vehicle-seat. O. F. Lawson. No. 1,063,809; June 3; Gaz. vol. 191; p. 220.
- Vehicle-seat. A. F. Draper. No. 1,067,008; July 8; Gaz. vol. 192; p. 411.
- Vehicle seat-fastening means. F. Stewart. No. 1,056,956; Mar. 25; Gaz. vol. 188; p. 881.
- Vehicle-seats. Detachable spring-back for. J. W. Taft. No. 1,064,181; June 10; Gaz. vol. 191; p. 382.
- Vehicle, Self-propelled. C. W. Coleman. No. 1,077,598; Nov. 4; Gaz. vol. 196; p. 123.
- Vehicle, Self-propelled. F. de Alba B. No. 1,082,457; Dec. 23; Gaz. vol. 197; p. 961.
- Vehicle shock-absorber. M. M. Brophy. No. 1,052,795; Feb. 11; Gaz. vol. 187; p. 357.
- Vehicle shock-absorber. A. Decker. No. 1,056,639; Mar. 18; Gaz. vol. 188; p. 741.
- Vehicle shock-absorber. J. Wolpert. No. 1,057,105; Mar. 25; Gaz. vol. 188; p. 932.
- Vehicle shock-absorber. J. F. Mamet. No. 1,066,933; July 8; Gaz. vol. 192; p. 388.
- Vehicle shock-absorber. M. Derihon. No. 1,068,329; July 22; Gaz. vol. 192; p. 933.
- Vehicle shock-absorber. M. Derihon. No. 1,068,330; July 22; Gaz. vol. 192; p. 933.
- Vehicle shock-absorber. C. H. Staub. No. 1,069,587; Aug. 5; Gaz. vol. 193; p. 171.
- Vehicle shock-absorber. R. Tjader. No. 1,069,589; Aug. 5; Gaz. vol. 193; p. 172.
- Vehicle shock-absorbing device. G. V. Barnes. No. 1,053,771; Feb. 18; Gaz. vol. 187; p. 736.
- Vehicle shock-absorbing device. K. J. Steiner. No. 1,068,182; July 22; Gaz. vol. 192; p. 880.
- Vehicle shock-absorbing device. J. F. O'Connor. No. 1,073,161; Sept. 16; Gaz. vol. 194; p. 581.
- Vehicle shock-absorbing wheel. C. E. Moser. No. 1,073,508; Sept. 16; Gaz. vol. 194; p. 702.
- Vehicle-signal. E. B. and G. E. Roedding. No. 1,080,589; Dec. 9; Gaz. vol. 197; p. 265.
- Vehicle signal device. C. F. Marston. No. 1,049,749; Jan. 7; Gaz. vol. 186; p. 146.
- Vehicle signal device. E. E. Savage. No. 1,068,278; July 22; Gaz. vol. 192; p. 914.
- Vehicle-spring. W. O. Smith. No. 1,050,863; Jan. 21; Gaz. vol. 186; p. 595.
- Vehicle-spring. P. M. Freer. No. 1,052,233; Feb. 4; Gaz. vol. 187; p. 135.
- Vehicle-spring. J. A. McNulty. No. 1,060,778; May 6; Gaz. vol. 190; p. 73.
- Vehicle-spring. J. W. Moore. No. 1,061,310; May 13; Gaz. vol. 190; p. 292.
- Vehicle-spring. C. M. Waltz. No. 1,061,342; May 13; Gaz. vol. 190; p. 302.
- Vehicle-spring. L. L. Abbot. No. 1,062,872; May 27; Gaz. vol. 190; p. 898.
- Vehicle-spring. E. L. Devore. No. 1,064,057; June 10; Gaz. vol. 191; p. 338.
- Vehicle-spring. W. B. Thompson. No. 1,066,164; July 1; Gaz. vol. 192; p. 92.
- Vehicle-spring. C. S. Green and A. Connors. No. 1,066,602; July 8; Gaz. vol. 192; p. 273.
- Vehicle-spring. T. A. Hoover. No. 1,067,480; July 15; Gaz. vol. 192; p. 610.
- Vehicle-spring. L. A. Huston. No. 1,074,178; Sept. 30; Gaz. vol. 194; p. 983.
- Vehicle-spring. J. Frosig and L. W. Walstrom. No. 1,076,414; Oct. 21; Gaz. vol. 195; p. 684.
- Vehicle-spring. H. J. Mitchell. No. 1,078,057; Nov. 11; Gaz. vol. 196; p. 312.
- Vehicle-spring. C. A. Boreham. No. 1,082,794; Dec. 30; Gaz. vol. 197; p. 1114.
- Vehicle-spring. M. M. McIntyre. No. 1,083,022; Dec. 30; Gaz. vol. 197; p. 1191.
- Vehicle spring device. R. W. L. Donlan. No. 1,072,586; Sept. 9; Gaz. vol. 194; p. 342.
- Vehicle spring-equalizer. G. M. Huston. No. 1,073,804; Sept. 23; Gaz. vol. 194; p. 828.
- Vehicle spring-governor. W. E. Trufant. No. 1,054,057; Feb. 25; Gaz. vol. 187; p. 869.
- Vehicle-spring, Pneumatic. T. L. de Bejar and B. Lanza-gorta. No. 1,073,840; Sept. 23; Gaz. vol. 194; p. 840.
- Vehicle spring-support. R. H. Smith. No. 1,070,548; Aug. 19; Gaz. vol. 193; p. 574.
- Vehicle spring suspension. J. J. Charley and F. Lamp-lough. No. 1,049,452; Jan. 7; Gaz. vol. 186; p. 46.
- Vehicle spring suspension. E. Bugatti. No. 1,055,314; Mar. 11; Gaz. vol. 188; p. 257.
- Vehicle spring suspension. H. L. Hubbard. No. 1,058,588; Apr. 8; Gaz. vol. 189; p. 453.
- Vehicle spring suspension. R. F. Grant and H. E. Wether-bee. No. 1,071,517; Aug. 26; Gaz. vol. 193; p. 928.
- Vehicle spring-suspension mechanism. A. B. Ferguson. No. 1,070,675; Aug. 19; Gaz. vol. 193; p. 616.
- Vehicle-springs and the like, Connecting means for. J. M. de Saint-Martin. No. 1,075,498; Oct. 14; Gaz. vol. 195; p. 341.
- Vehicle starting and lighting apparatus, Motor-. M. Mos-kowitz. No. 1,065,959; July 1; Gaz. vol. 192; p. 19.
- Vehicle starting mechanism, Motor-. R. Huff. No. 1,081,382; Dec. 16; Gaz. vol. 197; p. 571.
- Vehicle steering-fork. J. A. Hill. No. 1,082,122; Dec. 23; Gaz. vol. 197; p. 847.
- Vehicle steering-gear. D. E. Ross. No. 1,059,568; Apr. 22; Gaz. vol. 189; p. 866.
- Vehicle steering-gear. D. E. Ross. No. 1,059,951; Apr. 22; Gaz. vol. 189; p. 991.
- Vehicle steering-gear and controlling mechanism, Com-bined. F. B. Rae. No. 1,073,439; Sept. 16; Gaz. vol. 194; p. 680.
- Vehicle steering-gear, Auxiliary. J. D. Maxfield. No. 1,054,975; Mar. 4; Gaz. vol. 188; p. 109.
- Vehicle steering mechanism. S. H. Kennedy. No. 1,058,758; Apr. 15; Gaz. vol. 189; p. 549.
- Vehicle steering mechanism, Motor-. J. H. Venners. No. 1,049,421; Jan. 7; Gaz. vol. 186; p. 35.
- Vehicle stop-block. H. Carduck and J. Mattes. No. 1,081,208; Dec. 9; Gaz. vol. 197; p. 473.
- Vehicle storm-curtain. C. Sedlacek. No. 1,074,297; Sept. 30; Gaz. vol. 194; p. 1022.
- Vehicle storm-front. J. B. Cretors. No. 1,080,812; Dec. 9; Gaz. vol. 197; p. 344.
- Vehicle storm-shield. C. F. Wensinger. No. 1,080,033; Dec. 2; Gaz. vol. 197; p. 40.
- Vehicle storm-top. W. H. Romer, H. Wimmers, and S. Ranley. No. 1,051,916; Feb. 4; Gaz. vol. 187; p. 23.
- Vehicle street-indicator. G. M. and H. S. Bradshaw. No. 1,055,441; Mar. 11; Gaz. vol. 188; p. 302.
- Vehicle supplementary spring. G. Sumner. No. 1,068,020; July 22; Gaz. vol. 192; p. 825.
- Vehicle-support. G. C. Hill. No. 1,054,545; Feb. 25; Gaz. vol. 187; p. 1035.
- Vehicle-support. A. E. and J. W. Blair. No. 1,068,964; July 29; Gaz. vol. 192; p. 1193.
- Vehicle-support. L. Wand. No. 1,077,445; Nov. 4; Gaz. vol. 196; p. 72.
- Vehicle supporting device, Two-wheeled-. C. W. Smith. No. 1,054,045; Feb. 25; Gaz. vol. 187; p. 865.
- Vehicle suspension. W. R. Blystone. No. 1,052,648; Feb. 11; Gaz. vol. 187; p. 307.
- Vehicle suspension. T. A. Klenke and F. N. Roehrich. No. 1,066,920; July 8; Gaz. vol. 192; p. 383.
- Vehicle suspension. A. J. P. Bertschy. No. 1,071,547; Aug. 26; Gaz. vol. 193; p. 939.
- Vehicle suspension. R. F. Cordero. No. 1,073,797; Sept. 23; Gaz. vol. 194; p. 825.
- Vehicle suspension, Compensation device for. R. Guillery. No. 1,075,415; Oct. 14; Gaz. vol. 195; p. 313.
- Vehicle suspension, Front. R. F. Cordero. No. 1,073,796; Sept. 23; Gaz. vol. 194; p. 825.
- Vehicle suspension-spring. A. Vermersch. No. 1,082,217; Dec. 23; Gaz. vol. 197; p. 879.
- Vehicle-swing. O. Zimmermann. No. 1,051,796; Jan. 28; Gaz. vol. 186; p. 943.
- Vehicle top-bow. H. R. Schnarr and M. Wolf. No. 1,053,230; Feb. 18; Gaz. vol. 187; p. 550.
- Vehicle top-bow. W. M. Kallbon. No. 1,053,828; Feb. 18; Gaz. vol. 187; p. 755.
- Vehicle top-brace. J. Teppert. No. 1,059,504; Apr. 22; Gaz. vol. 189; p. 845.

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- Vehicle top-fastening. W. W. Scott. No. 1,072,044; Sept. 2; Gaz. vol. 194; p. 128.
- Vehicle-top, Foldable. H. Smith. No. 1,066,230; July 1; Gaz. vol. 192; p. 117.
- Vehicle-top, Folding. E. M. Staples. No. 1,061,641; May 13; Gaz. vol. 190; p. 407.
- Vehicle top-raising device. R. Sato. No. 1,082,706; Dec. 30; Gaz. vol. 197; p. 1083.
- Vehicle top-securing device. D. B. Wasson. No. 1,054,475; Feb. 25; Gaz. vol. 187; p. 1013.
- Vehicle top-shifting bow. C. E. Titchener. No. 1,065,189; June 17; Gaz. vol. 191; p. 752.
- Vehicle top-support. R. H. Pfaff. No. 1,050,167; Jan. 14; Gaz. vol. 186; p. 322.
- Vehicle top-support. R. H. Pfaff. No. 1,050,168; Jan. 14; Gaz. vol. 186; p. 322.
- Vehicle top-support. B. C. Smith and D. Horvitz. No. 1,077,007; Oct. 28; Gaz. vol. 195; p. 947.
- Vehicle-track and curbstone, Combination. F. F. Fargo. No. 1,073,669; Sept. 23; Gaz. vol. 194; p. 782.
- Vehicle, Traction-. R. E. Zager. No. 1,055,010; Mar. 4; Gaz. vol. 188; p. 121.
- Vehicle tractor system, Motor-. A. H. Hoadley. No. 1,080,447; Dec. 2; Gaz. vol. 197; p. 186.
- Vehicle transmission and steering mechanism, Motor-driven-. H. H. Schieler. No. 1,079,607; Nov. 25; Gaz. vol. 196; p. 910.
- Vehicle valve-operating mechanism, Motor-. J. W. Packard. No. 1,050,288; Jan. 14; Gaz. vol. 186; p. 362.
- Vehicle-ventilator. J. Fergusson and J. R. Way. No. 1,078,340; Nov. 11; Gaz. vol. 196; p. 410.
- Vehicle-wheel. J. Brittell. No. 1,049,335; Jan. 7; Gaz. vol. 186; p. 6.
- Vehicle-wheel. H. E. Stratton. No. 1,049,418; Jan. 7; Gaz. vol. 186; p. 34.
- Vehicle-wheel. A. H. Harris. No. 1,049,579; Jan. 7; Gaz. vol. 186; p. 90.
- Vehicle-wheel. A. Haller. No. 1,050,128; Jan. 14; Gaz. vol. 186; p. 308.
- Vehicle-wheel. O. Zarth. No. 1,050,506; Jan. 14; Gaz. vol. 186; p. 441.
- Vehicle-wheel. C. Altman. No. 1,051,053; Jan. 21; Gaz. vol. 186; p. 663.
- Vehicle-wheel. B. H. SeEVERS. No. 1,051,457; Jan. 28; Gaz. vol. 186; p. 831.
- Vehicle-wheel. L. L. Rogers. No. 1,051,517; Jan. 28; Gaz. vol. 186; p. 853.
- Vehicle-wheel. R. H. Stevenson. No. 1,051,774; Jan. 28; Gaz. vol. 186; p. 936.
- Vehicle-wheel. T. Thomas. No. 1,051,927; Feb. 4; Gaz. vol. 187; p. 27.
- Vehicle-wheel. E. F. Krell. No. 1,052,064; Feb. 4; Gaz. vol. 187; p. 76.
- Vehicle-wheel. J. S. Hines. No. 1,052,250; Feb. 4; Gaz. vol. 187; p. 141.
- Vehicle-wheel. J. T. Shea. No. 1,052,757; Feb. 11; Gaz. vol. 187; p. 342.
- Vehicle-wheel. H. A. Bjorklund. No. 1,053,000; Feb. 11; Gaz. vol. 187; p. 427.
- Vehicle-wheel. A. R. Weaver. No. 1,053,332; Feb. 18; Gaz. vol. 187; p. 586.
- Vehicle-wheel. C. J. Ohlsson. No. 1,053,636; Feb. 18; Gaz. vol. 187; p. 690.
- Vehicle-wheel. J. F. Starbuck. No. 1,053,889; Feb. 18; Gaz. vol. 187; p. 774.
- Vehicle-wheel. W. M. Rank. No. 1,054,614; Feb. 25; Gaz. vol. 187; p. 1058.
- Vehicle-wheel. G. J. and H. C. Garrett. No. 1,055,029; Mar. 4; Gaz. vol. 188; p. 128.
- Vehicle-wheel. C. Pütz. No. 1,056,055; Mar. 18; Gaz. vol. 188; p. 541.
- Vehicle-wheel. W. B. McFadden. No. 1,056,109; Mar. 18; Gaz. vol. 188; p. 561.
- Vehicle-wheel. T. B. Jeffery. No. 1,056,278; Mar. 18; Gaz. vol. 188; p. 617.
- Vehicle-wheel. D. J. Jennings and H. White. No. 1,056,550; Mar. 18; Gaz. vol. 188; p. 711.
- Vehicle-wheel. W. E. Schilling. No. 1,056,591; Mar. 18; Gaz. vol. 188; p. 726.
- Vehicle-wheel. V. J. Hultquist. No. 1,056,994; Mar. 25; Gaz. vol. 188; p. 893.
- Vehicle-wheel. G. J. Engert. No. 1,057,047; Mar. 25; Gaz. vol. 188; p. 912.
- Vehicle-wheel. C. P. Burgess. No. 1,057,115; Mar. 25; Gaz. vol. 188; p. 936.
- Vehicle-wheel. F. Barta, Jr. No. 1,057,916; Apr. 1; Gaz. vol. 189; p. 179.
- Vehicle-wheel. O. K. Sletto and W. J. Shannon. No. 1,058,006; Apr. 1; Gaz. vol. 189; p. 209.
- Vehicle-wheel. L. Anderson. No. 1,058,518; Apr. 8; Gaz. vol. 189; p. 430.
- Vehicle-wheel. G. D. Bulmer. No. 1,059,026; Apr. 15; Gaz. vol. 189; p. 645.
- Vehicle-wheel. B. B. Moss. No. 1,059,194; Apr. 15; Gaz. vol. 189; p. 702.
- Vehicle-wheel. C. Sjögren. No. 1,059,401; Apr. 22; Gaz. vol. 189; p. 809.
- Vehicle-wheel. L. Hoskins. No. 1,060,256; Apr. 29; Gaz. vol. 189; p. 1138.
- Vehicle-wheel. A. Scott. No. 1,060,505; Apr. 29; Gaz. vol. 189; p. 1226.
- Vehicle-wheel. M. S. Weist. No. 1,061,344; May 13; Gaz. vol. 190; p. 303.
- Vehicle-wheel. W. Downham, Jr. No. 1,061,458; May 13; Gaz. vol. 190; p. 342.
- Vehicle-wheel. L. R. Gruss. No. 1,061,537; May 13; Gaz. vol. 190; p. 371.
- Vehicle-wheel. C. C. Sill. No. 1,062,260; May 20; Gaz. vol. 190; p. 655.
- Vehicle-wheel. W. T. Thorp. No. 1,062,519; May 20; Gaz. vol. 190; p. 739.
- Vehicle-wheel. F. Holdman. No. 1,063,881; June 3; Gaz. vol. 191; p. 243.
- Vehicle-wheel. T. Poss. No. 1,063,892; June 3; Gaz. vol. 191; p. 247.
- Vehicle-wheel. J. Callan. No. 1,064,128; June 10; Gaz. vol. 191; p. 362.
- Vehicle-wheel. M. Bernardini and M. G. De Simone. No. 1,064,189; June 10; Gaz. vol. 191; p. 385.
- Vehicle-wheel. A. W. Livingston. No. 1,065,537; June 24; Gaz. vol. 191; p. 909.
- Vehicle-wheel. E. Hopkinson. No. 1,065,942; July 1; Gaz. vol. 192; p. 13.
- Vehicle-wheel. A. Gerlelt. No. 1,066,267; July 1; Gaz. vol. 192; p. 130.
- Vehicle-wheel. H. G. Sarbach. No. 1,066,953; July 8; Gaz. vol. 192; p. 394.
- Vehicle-wheel. J. J. Van Iderstine. No. 1,067,386; July 15; Gaz. vol. 192; p. 578.
- Vehicle-wheel. W. G. Kruke. No. 1,067,525; July 15; Gaz. vol. 192; p. 625.
- Vehicle-wheel. M. M. Bailey. No. 1,067,960; July 22; Gaz. vol. 192; p. 804.
- Vehicle-wheel. C. C. Harbridge. No. 1,067,982; July 22; Gaz. vol. 192; p. 812.
- Vehicle-wheel. R. E. Cole. No. 1,068,107; July 22; Gaz. vol. 192; p. 854.
- Vehicle-wheel. E. De Journo. No. 1,068,224; July 22; Gaz. vol. 192; p. 895.
- Vehicle-wheel. E. C. Graves. No. 1,068,582; July 29; Gaz. vol. 192; p. 1057.
- Vehicle-wheel. J. D. Ingram. No. 1,068,660; July 29; Gaz. vol. 192; p. 1085.
- Vehicle-wheel. A. N. Simmerly. No. 1,068,826; July 29; Gaz. vol. 192; p. 1145.
- Vehicle-wheel. J. W. Catta. No. 1,069,525; Aug. 5; Gaz. vol. 193; p. 151.
- Vehicle-wheel. F. Szabo. No. 1,070,077; Aug. 12; Gaz. vol. 193; p. 368.
- Vehicle-wheel. J. L. Wolf. No. 1,070,570; Aug. 19; Gaz. vol. 193; p. 582.
- Vehicle-wheel. C. Lampre. No. 1,070,821; Aug. 19; Gaz. vol. 193; p. 664.
- Vehicle-wheel. C. W. Cramer. No. 1,071,032; Aug. 26; Gaz. vol. 193; p. 767.
- Vehicle-wheel. W. D. Morris. No. 1,072,348; Sept. 2; Gaz. vol. 194; p. 228.
- Vehicle-wheel. C. L. Schwarz. No. 1,072,515; Sept. 9; Gaz. vol. 194; p. 316.
- Vehicle-wheel. G. J. and H. C. Garrett. No. 1,072,597; Sept. 9; Gaz. vol. 194; p. 345.
- Vehicle-wheel. F. O'Neill. No. 1,072,979; Sept. 9; Gaz. vol. 194; p. 483.
- Vehicle-wheel. J. Guerrero. No. 1,073,040; Sept. 9; Gaz. vol. 194; p. 503.
- Vehicle-wheel. C. G. Johanson. No. 1,073,049; Sept. 9; Gaz. vol. 194; p. 506.
- Vehicle-wheel. J. F. Mitchell. No. 1,073,697; Sept. 23; Gaz. vol. 194; p. 793.
- Vehicle-wheel. A. H. Miller. No. 1,075,664; Oct. 14; Gaz. vol. 195; p. 397.
- Vehicle-wheel. A. Schick. No. 1,076,239; Oct. 21; Gaz. vol. 195; p. 621.
- Vehicle-wheel. E. H. Whiting. No. 1,076,255; Oct. 21; Gaz. vol. 195; p. 626.
- Vehicle-wheel. M. D. Krespach and J. R. Hazeley. No. 1,076,678; Oct. 28; Gaz. vol. 195; p. 830.
- Vehicle-wheel. J. Bray. No. 1,077,388; Nov. 4; Gaz. vol. 196; p. 51.
- Vehicle-wheel. A. R. Burkett. No. 1,077,799; Nov. 4; Gaz. vol. 196; p. 191.
- Vehicle-wheel. W. A. Milam. No. 1,077,994; Nov. 11; Gaz. vol. 196; p. 290.
- Vehicle-wheel. T. Poss. No. 1,078,164; Nov. 11; Gaz. vol. 196; p. 348.
- Vehicle-wheel. J. P. Champion. No. 1,078,256; Nov. 11; Gaz. vol. 196; p. 380.
- Vehicle-wheel. H. W. Alden. No. 1,078,760; Nov. 18; Gaz. vol. 196; p. 587.
- Vehicle-wheel. F. S. Ellis. No. 1,078,907; Nov. 18; Gaz. vol. 196; p. 637.
- Vehicle-wheel. J. R. Gerard. No. 1,078,916; Nov. 18; Gaz. vol. 196; p. 640.
- Vehicle-wheel. R. K. Gratigny. No. 1,079,644; Nov. 25; Gaz. vol. 196; p. 921.
- Vehicle-wheel. J. J. Van Iderstine. No. 1,080,128; Dec. 2; Gaz. vol. 197; p. 74.
- Vehicle-wheel. S. A. Currin. No. 1,081,216; Dec. 9; Gaz. vol. 197; p. 476.

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- Vehicle-wheel. S. T. Kronenberg. No. 1,081,757; Dec. 16; Gaz. vol. 197; p. 694.
- Vehicle-wheel. F. E. Glasser. No. 1,083,009; Dec. 30; Gaz. vol. 197; p. 1187.
- Vehicle-wheel and tire member therefor. F. W. Ofeldt. No. 1,056,294; Mar. 18; Gaz. vol. 188; p. 622.
- Vehicle-wheel, Automatic pneumatic. G. Kanter. No. 1,057,846; Apr. 1; Gaz. vol. 189; p. 155.
- Vehicle wheel, Motor and other. R. W. Sewell. No. 1,058,005; Apr. 1; Gaz. vol. 189; p. 208.
- Vehicle wheel, Motor and other. F. W. Brampton. No. 1,070,396; Aug. 19; Gaz. vol. 193; p. 521.
- Vehicle-wheel, Pneumatic. J. U. Wells. No. 1,079,082; Nov. 18; Gaz. vol. 196; p. 699.
- Vehicle-wheel, Resilient. A. Zimprich. No. 1,050,197; Jan. 14; Gaz. vol. 186; p. 331.
- Vehicle-wheel, Resilient. W. M. Reese. No. 1,063,594; June 3; Gaz. vol. 191; p. 145.
- Vehicle-wheel, Resilient. H. S. Grace. No. 1,072,604; Sept. 9; Gaz. vol. 194; p. 348.
- Vehicle-wheel, Resilient. H. S. Grace. No. 1,072,605; Sept. 9; Gaz. vol. 194; p. 348.
- Vehicle-wheel, Resilient. L. H. Schoonover. No. 1,080,720; Dec. 9; Gaz. vol. 197; p. 309.
- Vehicle-wheel, Resilient. F. A. Pearl. No. 1,081,551; Dec. 16; Gaz. vol. 197; p. 628.
- Vehicle wheel, Road-. W. Wright. No. 1,070,653; Aug. 19; Gaz. vol. 193; p. 608.
- Vehicle wheel, Road-. C. K. Welch. No. 1,076,178; Oct. 21; Gaz. vol. 195; p. 601.
- Vehicle wheel, Road-. W. D. Douglas-Jones. No. 1,080,004; Dec. 2; Gaz. vol. 197; p. 30.
- Vehicle wheel, Road-. H. A. Pryor. No. 1,082,170; Dec. 23; Gaz. vol. 197; p. 862.
- Vehicle-wheel, Spring. W. H. Fahrney. No. 1,056,521; Mar. 18; Gaz. vol. 188; p. 702.
- Vehicle-wheel, Spring. J. Gibson. No. 1,064,636; June 10; Gaz. vol. 191; p. 536.
- Vehicle-wheel, Spring. W. H. Fahrney. No. 1,066,191; July 1; Gaz. vol. 192; p. 103.
- Vehicle-wheel, Spring. K. A. Kendrick. No. 1,071,926; Sept. 2; Gaz. vol. 194; p. 89.
- Vehicle-wheel, Spring. W. H. Fahrney. No. 1,075,637; Oct. 14; Gaz. vol. 195; p. 390.
- Vehicle-wheel, Spring. J. F. and H. E. Sipe. No. 1,080,377; Dec. 2; Gaz. vol. 197; p. 163.
- Vehicle-wheel, Spring. J. F. and H. E. Sipe. No. 1,080,378; Dec. 2; Gaz. vol. 197; p. 163.
- Vehicle-wheel, Spring. J. F. and H. E. Sipe. No. 1,080,379; Dec. 2; Gaz. vol. 197; p. 164.
- Vehicle-wheel, Spring. C. Warwick. No. 1,081,415; Dec. 16; Gaz. vol. 197; p. 582.
- Vehicle-wheel, Spring-mounted. S. M. Cowan and E. W. Barnum. No. 1,067,800; July 22; Gaz. vol. 192; p. 751.
- Vehicle wind-shield. C. O. Doan. No. 1,050,524; Jan. 14; Gaz. vol. 186; p. 447.
- Vehicle wind-shield. G. J. Capewell, Jr. No. 1,060,971; May 6; Gaz. vol. 190; p. 142.
- Vehicle with cellular partitions, boxes, or drawers which are let separately for the conveyance of goods. C. Isidor. No. 1,072,948; Sept. 9; Gaz. vol. 194; p. 471.
- Vehicle with portable rails. W. Meier. No. 1,069,159; Aug. 5; Gaz. vol. 193; p. 24.
- Vehicles, Adjustable wind-screen joint for motor and other. G. R. Inshaw. No. 1,050,944; Jan. 21; Gaz. vol. 186; p. 625.
- Vehicles and similar motor plants, Driving of motor-. R. Diesel. No. 1,080,624; Dec. 9; Gaz. vol. 197; p. 277.
- Vehicles, Battery-supporting cradle for. S. G. Thompson. No. 1,081,706; Dec. 16; Gaz. vol. 197; p. 676.
- Vehicles, Chain-case and cooperating parts for motor-. P. H. Breed. No. 1,049,660; Jan. 7; Gaz. vol. 186; p. 118.
- Vehicles, Coin control for motor-. A. P. Browne. No. 1,056,147; Mar. 18; Gaz. vol. 188; p. 573.
- Vehicles, Control-lever lock for motor-. H. P. Maxim. No. 1,057,865; Apr. 1; Gaz. vol. 189; p. 161.
- Vehicles, Curtain-attaching clip for. T. Swan. No. 1,054,254; Feb. 25; Gaz. vol. 187; p. 936.
- Vehicles, Curtain-mounting for. J. N. Collins. No. 1,066,448; July 1; Gaz. vol. 192; p. 188.
- Vehicles, Cushioning means for. J. L. La Driere. No. 1,054,569; Feb. 25; Gaz. vol. 187; p. 1043.
- Vehicles, Cushioning means for. B. P. Cooper. No. 1,066,712; July 8; Gaz. vol. 192; p. 312.
- Vehicles, Fifth-wheel connection for. M. Davis. No. 1,079,475; Nov. 25; Gaz. vol. 196; p. 862.
- Vehicles, Fluid transmission for motor-. E. E. Vaughan and F. T. Klasgye. No. 1,056,606; Mar. 18; Gaz. vol. 188; p. 730.
- Vehicles, Folding starting-crank for motor-. V. Link. No. 1,059,675; Apr. 22; Gaz. vol. 189; p. 901.
- Vehicles for collecting horse-dung, Apparatus on. C. Uhlich. No. 1,059,506; Apr. 22; Gaz. vol. 189; p. 846.
- Vehicles, Front-wheel drive and steer for motor-. J. S. Rutkowski and W. T. Hutchison. No. 1,080,591; Dec. 9; Gaz. vol. 197; p. 266.
- Vehicles, Gas-tank holder for motor-. G. W. Dunham. No. 1,074,107; Sept. 30; Gaz. vol. 194; p. 959.
- Vehicles, Gearing for motor-. E. H. Avery. No. 1,074,341; Sept. 30; Gaz. vol. 194; p. 1036.
- Vehicles, Illuminated number-plate for motor-. W. H. Seaser. No. 1,055,813; Mar. 11; Gaz. vol. 188; p. 426.
- Vehicles in fluids, Means for reducing the resistance to the passage of. L. Constantin. No. 1,065,506; June 24; Gaz. vol. 191; p. 899.
- Vehicles, Indication of the speed of moving. S. M. Colman. No. 1,057,938; Apr. 1; Gaz. vol. 189; p. 185.
- Vehicles, Lever-control mechanism for motor-. R. A. McEwen. No. 1,058,883; Apr. 15; Gaz. vol. 189; p. 595.
- Vehicles, Means for issuing directions concerning care of motor-. G. S. Van Voorhis. No. 1,077,657; Nov. 4; Gaz. vol. 196; p. 143.
- Vehicles, Means for supporting engines in self-propelled. W. E. Ver Planck. No. 1,080,736; Dec. 9; Gaz. vol. 197; p. 315.
- Vehicles, Passenger-driver telephone signal system for. H. G. Pape. No. 1,060,851; May 6; Gaz. vol. 190; p. 99.
- Vehicles, Propeller means for self-propelled. W. A. Sorg. No. 1,062,422; May 20; Gaz. vol. 190; p. 708.
- Vehicles, Recorder for use on. J. H. Torney. No. 1,050,872; Jan. 21; Gaz. vol. 186; p. 598.
- Vehicles, Removable ridge-floor for. A. J. Ronan. No. 1,066,054; July 1; Gaz. vol. 192; p. 53.
- Vehicles, Shield for driving-gear of motor-. J. W. Thompson. No. 1,055,101; Mar. 4; Gaz. vol. 188; p. 152.
- Vehicles, Sled-runner attachment for. W. Passarella. No. 1,065,832; June 24; Gaz. vol. 191; p. 1008.
- Vehicles, Spring and cushioning means for. J. L. La Driere. No. 1,072,241; Sept. 2; Gaz. vol. 194; p. 194.
- Vehicles, Tail, number, and safety signal for. C. F. Hamilton. No. 1,066,900; July 8; Gaz. vol. 192; p. 376.
- Vehicles, Testing device for motor-. C. J. Cooke. No. 1,064,615; June 10; Gaz. vol. 191; p. 529.
- Vehicles, Throttle-controlling means for motor-. A. Loomis. No. 1,053,188; Feb. 18; Gaz. vol. 187; p. 535.
- Vehicles, Tractable means for motor-driven. J. B. Smay, Jr. No. 1,077,101; Oct. 28; Gaz. vol. 195; p. 977.
- Vehicles, Transmission in motor-. H. Mayer. No. 1,072,389; Sept. 2; Gaz. vol. 194; p. 244.
- Vehicles, vessels, or the like, Means for propelling. M. Drexel. No. 1,069,238; Aug. 5; Gaz. vol. 193; p. 54.
- Vehicles, Wheel-mount for. W. Hart. No. 1,072,716; Sept. 9; Gaz. vol. 194; p. 386.
- Vehicles, Worm-drive for motor-. W. S. Morton. No. 1,076,052; Oct. 21; Gaz. vol. 195; p. 558.
- Veil, Automobile. M. Saltz. No. 1,081,154; Dec. 9; Gaz. vol. 197; p. 456.
- Veil-coupling. R. J. Leupold. No. 1,050,771; Jan. 14; Gaz. vol. 186; p. 527.
- Veil-holder. S. E. Ballard. No. 1,057,111; Mar. 25; Gaz. vol. 188; p. 935.
- Veil-holder, Lady's. E. H. Leonard. No. 1,078,362; Nov. 11; Gaz. vol. 196; p. 419.
- Veil, Stormproof. A. L. Boher. No. 1,076,809; Oct. 28; Gaz. vol. 195; p. 877.
- Veils, Appliance for securing ladies'. A. Barnett. No. 1,058,527; Apr. 8; Gaz. vol. 189; p. 434.
- Veils in position, Device for securing ladies'. A. Barnett. No. 1,058,528; Apr. 8; Gaz. vol. 189; p. 434.
- Veiling. S. Hollander. No. 1,056,792; Mar. 25; Gaz. vol. 188; p. 823.
- Velocipede handle-bar. B. Noack. No. 1,068,158; July 22; Gaz. vol. 192; p. 872.
- Velocipede, Snow-. C. B. Mercer. No. 1,070,159; Aug. 12; Gaz. vol. 193; p. 398.
- Velocipede-support. M. Zetschok. No. 1,077,183; Oct. 28; Gaz. vol. 195; p. 1002.
- Velocipedes, Safety wheel or support for. B. Phelan. No. 1,054,237; Feb. 25; Gaz. vol. 187; p. 932.
- Vender, Water-. M. P. Hervis. No. 1,082,327; Dec. 23; Gaz. vol. 197; p. 920.
- Vending and advertising machine. G. L. Richards. No. 1,058,101; Apr. 8; Gaz. vol. 189; p. 286.
- Vending and affixing machine, Postage-stamp. W. H. Peters. No. 1,073,515; Sept. 16; Gaz. vol. 194; p. 705.
- Vending and affixing machine, Stamp. G. L. Reichhelm. No. 1,076,517; Oct. 21; Gaz. vol. 195; p. 720.
- Vending and registering machine, Ticket. J. W. Small. No. 1,060,291; Apr. 29; Gaz. vol. 189; p. 1151.
- Vending apparatus or machine. F. G. Axt and B. B. Goodrich. No. 1,053,897; Feb. 18; Gaz. vol. 187; p. 777.
- Vending apparatus, Selective mechanism for automatic. E. Lissauer. No. 1,053,187; Feb. 18; Gaz. vol. 187; p. 534.
- Vending-machine. C. Forth. No. 1,050,267; Jan. 14; Gaz. vol. 186; p. 355.
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- Vending-machine. J. V. Vandagriff. No. 1,051,786; Jan. 28; Gaz. vol. 186; p. 940.
- Vending-machine. M. Elzas. No. 1,052,229; Feb. 4; Gaz. vol. 187; p. 133.
- Vending-machine. F. Fanning. No. 1,052,331; Feb. 4; Gaz. vol. 187; p. 165.
- Vending-machine. J. E. Reese. No. 1,053,138; Feb. 11; Gaz. vol. 187; p. 475.
- Vending-machine. A. S. Carnell. No. 1,054,671; Mar. 4; Gaz. vol. 188; p. 7.
- Vending-machine. H. H. Daniels. No. 1,056,508; Mar. 18; Gaz. vol. 188; p. 697.
- Vending-machine. H. H. Daniels. No. 1,056,509; Mar. 18; Gaz. vol. 188; p. 697.
- Vending-machine. C. B. West. No. 1,056,960; Mar. 25; Gaz. vol. 188; p. 881.
- Vending-machine. C. A. Bryant and C. H. Rounds. No. 1,057,327; Mar. 25; Gaz. vol. 188; p. 1005.
- Vending-machine. J. J. Marrs. No. 1,057,971; Apr. 1; Gaz. vol. 189; p. 197.
- Vending-machine. F. H. R. Blank. No. 1,058,144; Apr. 8; Gaz. vol. 189; p. 301.
- Vending-machine. I. Robbins. No. 1,060,363; Apr. 29; Gaz. vol. 189; p. 1177.
- Vending-machine. C. E. Fanning. No. 1,062,231; May 20; Gaz. vol. 190; p. 645.
- Vending-machine. J. W. Thompson. No. 1,064,941; June 17; Gaz. vol. 191; p. 671.
- Vending-machine. E. C. Angell. No. 1,065,098; June 17; Gaz. vol. 191; p. 724.
- Vending-machine. E. C. Angell. No. 1,065,999; June 17; Gaz. vol. 191; p. 724.
- Vending-machine. E. C. Angell. No. 1,065,100; June 17; Gaz. vol. 191; p. 724.
- Vending-machine. F. L. Straight. No. 1,066,162; July 1; Gaz. vol. 192; p. 90.
- Vending-machine. F. A. Johnson. No. 1,066,621; July 8; Gaz. vol. 192; p. 280.
- Vending-machine. F. Q. Rast. No. 1,066,753; July 8; Gaz. vol. 192; p. 328.
- Vending-machine. J. A. Birsfield. No. 1,067,211; July 8; Gaz. vol. 192; p. 482.
- Vending-machine. G. W. Miller. No. 1,067,669; July 15; Gaz. vol. 192; p. 674.
- Vending-machine. E. W. Flint. No. 1,067,870; July 22; Gaz. vol. 192; p. 775.
- Vending-machine. H. W. Schilling. No. 1,067,942; July 22; Gaz. vol. 192; p. 798.
- Vending-machine. I. F. Harris. No. 1,069,132; Aug. 5; Gaz. vol. 193; p. 15.
- Vending-machine. R. Genovese. No. 1,071,732; Sept. 2; Gaz. vol. 194; p. 21.
- Vending-machine. J. Staziak. No. 1,072,051; Sept. 2; Gaz. vol. 194; p. 130.
- Vending-machine. N. N. Neher. No. 1,072,150; Sept. 2; Gaz. vol. 194; p. 165.
- Vending-machine. G. W. Miller. No. 1,072,758; Sept. 9; Gaz. vol. 194; p. 400.
- Vending-machine. O. J. Hotaling. No. 1,072,947; Sept. 9; Gaz. vol. 194; p. 471.
- Vending-machine. S. L. W. Coe, H. T. and E. W. Werden. No. 1,074,607; Oct. 7; Gaz. vol. 195; p. 6.
- Vending-machine. H. B. Cooley. No. 1,074,696; Oct. 7; Gaz. vol. 195; p. 39.
- Vending-machine. F. C. Whitmore. No. 1,075,527; Oct. 14; Gaz. vol. 195; p. 351.
- Vending-machine. J. W. Patterson. No. 1,078,372; Nov. 11; Gaz. vol. 196; p. 422.
- Vending-machine. S. C. Jones. No. 1,080,833; Dec. 9; Gaz. vol. 197; p. 352.
- Vending-machine. J. A. Webster. No. 1,080,873; Dec. 9; Gaz. vol. 197; p. 364.
- Vending-machine. A. K. Collins. No. 1,081,212; Dec. 9; Gaz. vol. 197; p. 474.
- Vending-machine. C. Mettler and R. E. Fudge. No. 1,082,817; Dec. 30; Gaz. vol. 197; p. 1122.
- Vending-machine, Automatic. W. L. Hamilton. No. 1,053,912; Feb. 18; Gaz. vol. 187; p. 782.
- Vending-machine, Automatic. R. B. Craig and A. Coffman. No. 1,055,614; Mar. 11; Gaz. vol. 188; p. 357.
- Vending-machine, Automatic. A. Coffman and R. B. Craig. No. 1,055,966; Mar. 11; Gaz. vol. 188; p. 476.
- Vending-machine, Automatic. A. Moses. No. 1,061,197; May 6; Gaz. vol. 190; p. 217.
- Vending-machine, Automatic. R. B. Craig and A. L. Coffman. No. 1,065,029; June 17; Gaz. vol. 191; p. 700.
- Vending-machine, Automatic. J. W. Tatum. No. 1,066,451; July 1; Gaz. vol. 192; p. 189.
- Vending-machine, Check-controlled. N. P. Fraser. No. 1,074,426; Sept. 30; Gaz. vol. 194; p. 1065.
- Vending-machine, Coin-controlled. G. G. Feigl and A. R. Grossman. No. 1,053,950; Feb. 18; Gaz. vol. 187; p. 796.
- Vending-machine, Coin-controlled. F. W. Tucker. No. 1,054,153; Feb. 25; Gaz. vol. 187; p. 901.
- Vending-machine, Coin-controlled. F. A. Bowers. No. 1,072,905; Sept. 9; Gaz. vol. 194; p. 456.
- Vending-machine, Coin-controlled. W. T. Foster. No. 1,080,754; Dec. 9; Gaz. vol. 197; p. 322.
- Vending machine, Coin-controlled pencil. C. T. McGill. No. 1,058,317; Apr. 8; Gaz. vol. 189; p. 361.
- Vending-machine coin mechanism. H. Pein. No. 1,081,401; Dec. 16; Gaz. vol. 197; p. 577.
- Vending-machine, Coin-operated. R. S. Shepherd. No. 1,049,414; Jan. 7; Gaz. vol. 186; p. 33.
- Vending machine, Envelop-. J. T. Stewart. No. 1,061,880; May 13; Gaz. vol. 190; p. 483.
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- Vending machine, Merchandise-. J. C. McBride and T. A. Blair. No. 1,052,607; Feb. 11; Gaz. vol. 187; p. 293.
- Vending machine, Multiple-. G. W. Miller. No. 1,050,675; Jan. 14; Gaz. vol. 186; p. 495.
- Vending machine, Post-card-. J. W. Thompson. No. 1,064,940; June 17; Gaz. vol. 191; p. 671.
- Vending machine, Stamp-. C. E. Morrison. No. 1,060,204; Apr. 29; Gaz. vol. 189; p. 1119.
- Vending machine, Stamp-. L. C. Peck. No. 1,061,865; May 13; Gaz. vol. 190; p. 478.
- Vending machine, Stamp-. G. L. Reichhelm. No. 1,071,178; Aug. 26; Gaz. vol. 193; p. 817.
- Vending-machine, Two-compartment coin-controlled. S. J. Kelly and J. A. Webster. No. 1,076,769; Oct. 28; Gaz. vol. 195; p. 861.
- Vending-machines, Coin-selecting mechanism for coin-operated. M. C. Bailey. No. 1,060,307; Apr. 29; Gaz. vol. 189; p. 1157.
- Vending-meter. E. Mattson. No. 1,054,012; Feb. 25; Gaz. vol. 187; p. 854.
- Vending-receptacle. H. H. Goldstein. No. 1,078,346; Nov. 11; Gaz. vol. 196; p. 412.
- Veneer branding or printing press. O. C. Fenlason. No. 1,078,490; Nov. 11; Gaz. vol. 196; p. 461.
- Veneer, Building-. W. J. La Francis. No. 1,052,670; Feb. 11; Gaz. vol. 187; p. 314.
- Veneer-drying device. M. R. Ritter. No. 1,055,993; Mar. 11; Gaz. vol. 188; p. 486.
- Veneer-press for manufacturers of woodworking material. C. E. Francis. No. 1,073,414; Sept. 16; Gaz. vol. 194; p. 672.
- Veneer structure. K. Mutter. No. 1,058,701; Apr. 8; Gaz. vol. 189; p. 493.
- Veneering process. F. V. Tischer. No. 1,064,789; June 17; Gaz. vol. 191; p. 623.
- Vent for liquid-receptacles. C. P. Ross. No. 1,070,918; Aug. 19; Gaz. vol. 193; p. 695.
- Ventilated box or carton. L. D. Morton. No. 1,050,977; Jan. 21; Gaz. vol. 186; p. 636.
- Ventilating and for moistening the atmosphere of premises, Arrangement for. J. F. P. Kestner and H. J. E. Neu. No. 1,073,609; Sept. 23; Gaz. vol. 194; p. 759.
- Ventilating device for cisterns. W. L. Carter. No. 1,080,137; Dec. 2; Gaz. vol. 197; p. 77.
- Ventilating-register. F. A. Wilson. No. 1,070,312; Aug. 12; Gaz. vol. 193; p. 451.
- Ventilating system for buildings. A. M. Berglund. No. 1,052,450; Feb. 11; Gaz. vol. 187; p. 240.
- Ventilating system for buildings. H. J. Wagner. No. 1,057,599; Apr. 1; Gaz. vol. 189; p. 69.
- Ventilator. See Brooder-house ventilator; Building-ventilator; Car-ventilator; Feed-bag, &c., ventilator; Hat-ventilator; Locomotive-cab ventilator; Revolving ventilator; Shoe-ventilator; Vehicle-ventilator; Window-ventilator.
- Ventilator. J. T. Mercier. No. 1,050,067; Jan. 7; Gaz. vol. 186; p. 254.
- Ventilator. D. J. T. Hiett. No. 1,053,507; Feb. 18; Gaz. vol. 187; p. 646.
- Ventilator. D. J. T. Hiett. No. 1,053,508; Feb. 18; Gaz. vol. 187; p. 646.
- Ventilator. D. K. Swartwout. No. 1,059,010; Apr. 15; Gaz. vol. 189; p. 639.
- Ventilator. J. T. Mercier. No. 1,061,623; May 13; Gaz. vol. 190; p. 401.
- Ventilator. A. Joch. No. 1,062,012; May 20; Gaz. vol. 190; p. 570.
- Ventilator. J. M. Rose. No. 1,063,068; May 27; Gaz. vol. 190; p. 963.
- Ventilator. R. T. Senter and L. A. Kling. No. 1,065,083; June 17; Gaz. vol. 191; p. 719.
- Ventilator. C. J. Wolkarte. No. 1,065,420; June 24; Gaz. vol. 191; p. 870.
- Ventilator. B. A. Ruegnitz. No. 1,066,055; July 1; Gaz. vol. 192; p. 54.
- Ventilator. E. Hamilton. No. 1,069,129; Aug. 5; Gaz. vol. 193; p. 13.
- Ventilator. J. G. France. No. 1,070,242; Aug. 12; Gaz. vol. 193; p. 426.
- Ventilator. C. M. Lafquist and J. Dahl. No. 1,070,616; Aug. 19; Gaz. vol. 193; p. 596.
- Ventilator. J. W. Ferneau. No. 1,070,792; Aug. 19; Gaz. vol. 193; p. 656.
- Ventilator. T. H. Garland. No. 1,071,729; Sept. 2; Gaz. vol. 194; p. 20.
- Ventilator. J. Christie. No. 1,073,079; Sept. 9; Gaz. vol. 194; p. 517.

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- Ventilator. L. P. Hynes. No. 1,077,078; Oct. 28; Gaz. vol. 195; p. 971.
- Ventilator. F. A. McLane, E. H. Friedrich, and R. B. Warner. No. 1,077,847; Nov. 4; Gaz. vol. 196; p. 207.
- Ventilator. E. O. Janeck. No. 1,080,453; Dec. 2; Gaz. vol. 197; p. 188.
- Ventilator and advertising device, Combined. R. E. Carswell. No. 1,072,821; Sept. 9; Gaz. vol. 194; p. 424.
- Ventilator and screen for windows, Combined. T. H. Garland. No. 1,052,812; Feb. 11; Gaz. vol. 187; p. 363.
- Ventilator-control apparatus. J. Pronovost and R. E. Duncan. No. 1,073,285; Sept. 16; Gaz. vol. 194; p. 626.
- Ventilator-frame, Adjustable. M. G. Bunnell. No. 1,078,033; Nov. 11; Gaz. vol. 196; p. 303.
- Vermin on hogs, Device for exterminating. A. W. Applegate. No. 1,050,712; Jan. 14; Gaz. vol. 186; p. 507.
- Vermin-trap. C. Celene. No. 1,081,363; Dec. 16; Gaz. vol. 197; p. 565.
- Vessel. A. Dingwall. No. 1,066,087; July 1; Gaz. vol. 192; p. 65.
- Vessel. C. R. Seaquist. No. 1,075,160; Oct. 7; Gaz. vol. 195; p. 196.
- Vessel-brake. A. F. Angelicola. No. 1,069,996; Aug. 12; Gaz. vol. 193; p. 341.
- Vessel-cleaning machine. D. S. Runnels. No. 1,076,066; Oct. 21; Gaz. vol. 195; p. 563.
- Vessel-closure. R. E. Meyer. No. 1,054,230; Feb. 25; Gaz. vol. 187; p. 929.
- Vessel construction. G. W. Watts. No. 1,081,876; Dec. 16; Gaz. vol. 197; p. 736.
- Vessel, Convertible tank. C. P. M. Jack. No. 1,049,490; Jan. 7; Gaz. vol. 186; p. 58.
- Vessel, Dispensing. A. Heldrich. No. 1,066,813; July 8; Gaz. vol. 192; p. 346.
- Vessel emergency-brake. S. S. Centofant. No. 1,078,902; Nov. 18; Gaz. vol. 196; p. 636.
- Vessel-hull. P. J. J. Saupe. No. 1,074,897; Oct. 7; Gaz. vol. 195; p. 105.
- Vessel, Ice-breaking marine. B. T. Haagensohn. No. 1,071,735; Sept. 2; Gaz. vol. 194; p. 22.
- Vessel loading and unloading apparatus. J. Murphy. No. 1,064,157; June 10; Gaz. vol. 191; p. 373.
- Vessel-raiser. A. E. Luzzi. No. 1,058,188; Apr. 8; Gaz. vol. 189; p. 317.
- Vessel-releaser. A. E. Luzzi. No. 1,058,246; Apr. 8; Gaz. vol. 189; p. 336.
- Vessel, Submarine. H. G. Cady. No. 1,072,569; Sept. 9; Gaz. vol. 194; p. 336.
- Vessel-unloading apparatus. G. C. Chadwick. No. 1,064,443; June 10; Gaz. vol. 191; p. 471.
- Vessel with metallic end closure, Double-walled. J. W. Harrison. No. 1,073,983; Sept. 23; Gaz. vol. 194; p. 889.
- Vessels, Apparatus for indicating and recording the course of navigable. V. Rozié. No. 1,062,929; May 27; Gaz. vol. 190; p. 917.
- Vessels, Apparatus for raising sunken. T. H. Gawley. No. 1,062,963; May 27; Gaz. vol. 190; p. 928.
- Vessels, Apparatus for the salvage of. M. L. Johnson. No. 1,073,990; Sept. 23; Gaz. vol. 194; p. 892.
- Vessels, Device for locating and raising sunken. F. B. Loucks. No. 1,059,548; Apr. 22; Gaz. vol. 189; p. 960.
- Vessels, Making vacuum-jacketed. C. J. Coleman. No. 1,056,971; Mar. 25; Gaz. vol. 188; p. 885.
- Vessels, Means for raising sunken. J. Arbuckle. No. 1,061,213; May 6; Gaz. vol. 190; p. 223.
- Vessels, Protecting-cover for funnels of war. W. Herzfeldt. No. 1,072,117; Sept. 2; Gaz. vol. 194; p. 153.
- Vessels, Signaling and passenger-carrying device for. A. Grossich. No. 1,076,496; Oct. 21; Gaz. vol. 195; p. 712.
- Vestibule and door post, Combined cast-metal. C. S. Shellenberger. No. 1,069,984; Aug. 12; Gaz. vol. 193; p. 337.
- Vestibule-diaphragm. H. H. Schroyer. No. 1,056,127; Mar. 18; Gaz. vol. 188; p. 566.
- Vestibule-diaphragm and support therefor. J. E. Muhlfield. No. 1,074,731; Oct. 7; Gaz. vol. 195; p. 50.
- Vestibule-diaphragm, Sectional. H. H. Schroyer. No. 1,060,639; May 6; Gaz. vol. 190; p. 26.
- Vestibule end frame. B. V. H. Johnson. No. 1,056,905; Mar. 25; Gaz. vol. 188; p. 862.
- Vestibule-hood. A. E. Ostrander. No. 1,078,306; Nov. 11; Gaz. vol. 196; p. 400.
- Veterinary-file holder. S. B. Dunn. No. 1,081,495; Dec. 16; Gaz. vol. 197; p. 609.
- Veterinary instrument. F. F. Ogier. No. 1,067,368; July 13; Gaz. vol. 192; p. 572.
- Veterinary medicine. J. T. Slusher. No. 1,074,655; Oct. 7; Gaz. vol. 195; p. 24.
- Veterinary obstetrical instrument. I. Foote. No. 1,059,449; Apr. 22; Gaz. vol. 189; p. 827.
- Veterinary operating-table. L. L. Conkey. No. 1,059,712; Apr. 22; Gaz. vol. 189; p. 913.
- Veterinary surgical instrument. R. M. Butner. No. 1,054,960; Mar. 4; Gaz. vol. 188; p. 103.
- Vial-bottoming machine. E. E. Kimble. No. 1,055,402; Mar. 11; Gaz. vol. 188; p. 288.
- Vibration measuring, indicating, and recording means. W. P. Digby, P. W. Beatty, and A. C. Huskinson. No. 1,082,014; Dec. 23; Gaz. vol. 197; p. 811.
- Vibration-recorder. W. E. McGraw. No. 1,078,867; Nov. 18; Gaz. vol. 196; p. 624.
- Vibrator. F. C. Dormont. No. 1,064,716; June 17; Gaz. vol. 191; p. 599.
- Vibrator. I. C. Orswell. No. 1,082,475; Dec. 23; Gaz. vol. 197; p. 967.
- Vibrator driving mechanism. J. Vieson. No. 1,080,609; Dec. 9; Gaz. vol. 197; p. 272.
- Vibrator, Electric. M. K. Golden. No. 1,061,065; May 6; Gaz. vol. 190; p. 175.
- Vibratory device. C. A. Peterson. No. 1,082,285; Dec. 23; Gaz. vol. 197; p. 905.
- View-changing device. W. C. Upp. No. 1,064,944; June 17; Gaz. vol. 191; p. 673.
- View-finder. A. A. Ruttan and C. E. Hutchings. No. 1,060,636; May 6; Gaz. vol. 190; p. 25.
- View-finder. J. A. Robertson. No. 1,060,709; May 6; Gaz. vol. 190; p. 51.
- View-finder. A. A. Ruttan and C. E. Hutchings. No. 1,066,848; July 8; Gaz. vol. 192; p. 357.
- Vine arranger, Potato. J. P. Manson. No. 1,062,021; May 20; Gaz. vol. 190; p. 573.
- Vine-cutter. J. McClellan. No. 1,060,108; Apr. 29; Gaz. vol. 189; p. 1085.
- Vine cutter and gatherer, Pea. W. M. Proctor. No. 1,055,224; Mar. 4; Gaz. vol. 188; p. 190.
- Vine gatherer, Pea. J. A. Moore. No. 1,059,898; Apr. 22; Gaz. vol. 189; p. 972.
- Vine-grasper. G. E. Miller. No. 1,054,360; Feb. 25; Gaz. vol. 187; p. 973.
- Vine-hulling machine, Green-pea. R. P. Scott. No. 1,082,609; Dec. 30; Gaz. vol. 197; p. 1049.
- Vine-supports, Device for holding. I. J. Green. No. 1,060,593; May 6; Gaz. vol. 190; p. 10.
- Violet tetrachlorindigo and making same. A. Stock. No. 1,050,179; Jan. 14; Gaz. vol. 186; p. 326.
- Violin-bow. J. Dandás. No. 1,068,985; July 29; Gaz. vol. 192; p. 1198.
- Violin-players, Attachment for. C. F. Fredrikson. No. 1,074,939; Oct. 7; Gaz. vol. 195; p. 119.
- Viscose in a granular, soluble, and stable condition and preparing the same. Dry. H. Lyncke. No. 1,074,881; Oct. 7; Gaz. vol. 195; p. 99.
- Viscosimeter. F. Kahrs. No. 1,062,159; May 20; Gaz. vol. 190; p. 621.
- Viscous, stringy, adhesive substance, Making a. J. Göpper and O. Geiger. No. 1,063,870; June 3; Gaz. vol. 191; p. 239.
- Vise. J. M. Conley. No. 1,050,919; Jan. 21; Gaz. vol. 186; p. 617.
- Vise. L. S. Whitehead. No. 1,055,959; Mar. 11; Gaz. vol. 188; p. 474.
- Vise. C. W. Nailor and G. J. South. No. 1,059,749; Apr. 22; Gaz. vol. 189; p. 925.
- Vise. J. T. Carter. No. 1,059,830; Apr. 22; Gaz. vol. 189; p. 951.
- Vise. J. L. Fisher. No. 1,061,461; May 13; Gaz. vol. 190; p. 343.
- Vise. J. J. Angus. No. 1,068,294; July 22; Gaz. vol. 192; p. 920.
- Vise. J. M. Conley. No. 1,069,678; Aug. 12; Gaz. vol. 193; p. 232.
- Vise. F. Machava. No. 1,070,049; Aug. 12; Gaz. vol. 193; p. 359.
- Vise. G. W. Smith. No. 1,075,506; Oct. 14; Gaz. vol. 195; p. 344.
- Vise. J. Sayer and G. G. Dent. No. 1,079,883; Nov. 25; Gaz. vol. 196; p. 1005.
- Vise attachment. A. D. Bach. No. 1,054,740; Mar. 4; Gaz. vol. 188; p. 30.
- Vise, Bench. M. Fage. No. 1,063,379; June 3; Gaz. vol. 191; p. 71.
- Vise, Chain pipe. G. Amborn. No. 1,054,661; Mar. 4; Gaz. vol. 188; p. 3.
- Vise, Jeweler's. E. C. Wilcoxson and E. Swanson. No. 1,077,661; Nov. 4; Gaz. vol. 196; p. 145.
- Vise, Machine. J. Hammann. No. 1,060,980; May 6; Gaz. vol. 190; p. 145.
- Vise or the like, Chain pipe. G. Amborn. No. 1,054,662; Mar. 4; Gaz. vol. 188; p. 3.
- Vise or the like, Chain pipe. G. Amborn. No. 1,054,664; Mar. 4; Gaz. vol. 188; p. 4.
- Vise or the like, Chain pipe. G. Amborn. No. 1,054,665; Mar. 4; Gaz. vol. 188; p. 4.
- Vise or the like, Chain pipe. G. Amborn. No. 1,054,958; Mar. 4; Gaz. vol. 188; p. 103.
- Vise, Pipe. J. H. Pepper. No. 1,058,625; Apr. 8; Gaz. vol. 189; p. 466.
- Vise, Pipe. T. Pearson. No. 1,068,924; July 29; Gaz. vol. 192; p. 1179.
- Vise, Pipe. C. O. Bergman. No. 1,073,731; Sept. 23; Gaz. vol. 194; p. 804.
- Vise, Pipe. F. W. Hedden. No. 1,081,279; Dec. 9; Gaz. vol. 197; p. 498.
- Vise, Quick-acting. G. G. Hunt. No. 1,055,278; Mar. 4; Gaz. vol. 188; p. 207.

Alphabetical list of inventions—Continued.

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- Vise, Saw-. C. A. Dorr, Jr. No. 1,064,622; June 10; Gaz. vol. 191; p. 531.
- Visual indicator, Auxiliary. H. R. Elliott. No. 1,065,672; June 24; Gaz. vol. 191; p. 955.
- Visual signal. S. J. Kübel. No. 1,050,551; Jan. 14; Gaz. vol. 186; p. 456.
- Visual signal for submarines. S. Danenhower. No. 1,057,223; Mar. 25; Gaz. vol. 188; p. 973.
- Volatile matter from vegetable products, Expelling. D. M. Balch. No. 1,058,137; Apr. 8; Gaz. vol. 189; p. 299.
- Voltage-regulator. M. Pfeffer. No. 1,054,937; Mar. 4; Gaz. vol. 188; p. 96.
- Voltage-regulator. W. S. Bralley. No. 1,077,792; Nov. 4; Gaz. vol. 196; p. 189.
- Voltmeter-switch. C. H. Bissell. No. 1,051,542; Jan. 28; Gaz. vol. 186; p. 861.
- Voting-booth. E. J. Douglas. No. 1,070,879; Aug. 19; Gaz. vol. 193; p. 682.
- Voting-machine. J. H. McElroy. No. 1,049,382; Jan. 7; Gaz. vol. 186; p. 22.
- Voting-machine. J. H. Dean. No. 1,055,449; Mar. 11; Gaz. vol. 188; p. 305.
- Voting-machine. J. H. Dean. No. 1,055,450; Mar. 11; Gaz. vol. 188; p. 305.
- Voting-machine. J. H. Dean. No. 1,055,451; Mar. 11; Gaz. vol. 188; p. 305.
- Voting-machine. J. H. Dean. No. 1,055,452; Mar. 11; Gaz. vol. 188; p. 306.
- Voting-machine. J. A. Butler. No. 1,056,086; Mar. 18; Gaz. vol. 188; p. 552.
- Voting-machine. G. C. Claypoole. No. 1,058,723; Apr. 15; Gaz. vol. 189; p. 536.
- Voting-machine. C. H. Ocumpaugh. No. 1,061,944; May 13; Gaz. vol. 190; p. 505.
- Voting-machine. W. H. Dana. No. 1,062,893; May 27; Gaz. vol. 190; p. 905.
- Voting-machine. J. McTammany. No. 1,065,703; June 24; Gaz. vol. 191; p. 965.
- Voting-machine. A. McKenzie. No. 1,066,514; July 8; Gaz. vol. 192; p. 242.
- Voting-machine. J. H. Dean. No. 1,066,588; July 8; Gaz. vol. 192; p. 268.
- Voting-machine. J. H. Dean. No. 1,066,589; July 8; Gaz. vol. 192; p. 269.
- Voting-machine. J. H. McElroy. No. 1,066,639; July 8; Gaz. vol. 192; p. 286.
- Voting-machine. J. E. Ransom. No. 1,067,679; July 15; Gaz. vol. 192; p. 678.
- Voting-machine. J. Nolan. No. 1,068,921; July 29; Gaz. vol. 192; p. 1178.
- Voting-machine. J. H. Dean. No. 1,069,322; Aug. 5; Gaz. vol. 193; p. 81.
- Voting-machine. W. J. Lausterer. No. 1,069,338; Aug. 5; Gaz. vol. 193; p. 87.
- Voting-machine. A. McKenzie. No. 1,069,343; Aug. 5; Gaz. vol. 193; p. 90.
- Voting-machine. L. R. Winslow. No. 1,070,090; Aug. 12; Gaz. vol. 193; p. 374.
- Voting-machine. J. H. Dean. No. 1,072,922; Sept. 9; Gaz. vol. 194; p. 461.
- Voting-machine. A. J. Gillespie. No. 1,072,939; Sept. 9; Gaz. vol. 194; p. 468.
- Voting-machine. J. H. Dean. No. 1,073,407; Sept. 16; Gaz. vol. 194; p. 670.
- Voting-machine. J. H. Dean. No. 1,074,314; Sept. 30; Gaz. vol. 194; p. 1028.
- Voting-machine. J. H. McElroy. No. 1,075,718; Oct. 14; Gaz. vol. 195; p. 416.
- Voting-machine. I. Waterman. No. 1,076,088; Oct. 21; Gaz. vol. 195; p. 570.
- Voting-machine. F. W. Godfrey. No. 1,080,006; Dec. 2; Gaz. vol. 197; p. 30.
- Voting-machine. W. J. Lausterer. No. 1,080,014; Dec. 2; Gaz. vol. 197; p. 32.
- Voting-machine. G. W. Henning. No. 1,080,444; Dec. 2; Gaz. vol. 197; p. 185.
- Voting-machine counter-carrier. C. C. Abbott. No. 1,082,061; Dec. 23; Gaz. vol. 197; p. 827.
- Voting-machine voting mechanism. C. C. Abbott. No. 1,081,288; Dec. 16; Gaz. vol. 197; p. 539.
- Voting-machines, Counter-actuator and voter-counter for. C. Christensen. No. 1,074,311; Sept. 30; Gaz. vol. 194; p. 1027.
- Voting-machines, Cumulative-voting mechanism for. W. J. Lausterer. No. 1,072,962; Sept. 9; Gaz. vol. 194; p. 476.
- Voting-machines, Interlocking mechanism for. J. H. Dean. No. 1,080,003; Dec. 2; Gaz. vol. 197; p. 29.
- Voting-machines, Interlocking mechanism for. C. H. Ocumpaugh. No. 1,080,157; Dec. 2; Gaz. vol. 197; p. 84.
- Voting-machines, Multi-indorsement-restricting device for. C. C. Abbott. No. 1,054,074; Feb. 25; Gaz. vol. 187; p. 874.
- Voting-machines, Operating-lever lock for. C. C. Abbott. No. 1,059,808; Apr. 22; Gaz. vol. 189; p. 945.
- Voucher-sheet. G. J. Fitzpatrick. No. 1,068,118; July 22; Gaz. vol. 192; p. 857.
- Vulcanized froth, Manufacturing. F. Pfeumer. (Reissue.) No. 13,667; Dec. 30; Gaz. vol. 197; p. 1270.
- Vulcanizer. B. M. Allen. No. 1,059,587; Apr. 22; Gaz. vol. 189; p. 872.
- Vulcanizer, Electrical. W. H. Welch. No. 1,057,904; Apr. 1; Gaz. vol. 189; p. 174.
- Vulcanizer, Portable. C. E. Marshall. No. 1,058,316; Apr. 8; Gaz. vol. 189; p. 361.
- Vulcanizing device. H. Giusti. No. 1,081,824; Dec. 16; Gaz. vol. 197; p. 719.
- Vulcanizing device. J. E. Bancroft. No. 1,082,258; Dec. 23; Gaz. vol. 197; p. 895.
- Vulcanizing-mold. P. D. Thropp. No. 1,082,373; Dec. 23; Gaz. vol. 197; p. 936.
- Vulcanizing-press. J. R. Gammeter. No. 1,064,721; June 17; Gaz. vol. 191; p. 601.
- Waffle-cutter. G. T. Thompson. No. 1,053,755; Feb. 18; Gaz. vol. 187; p. 731.
- Wagon. F. Meyer. No. 1,050,973; Jan. 21; Gaz. vol. 186; p. 634.
- Wagon. N. L. and H. Nilson. No. 1,051,623; Jan. 28; Gaz. vol. 186; p. 888.
- Wagon. A. C. Huss. No. 1,052,059; Feb. 4; Gaz. vol. 187; p. 74.
- Wagon. G. Streich. No. 1,052,388; Feb. 4; Gaz. vol. 187; p. 185.
- Wagon. E. M. Leonhardt. No. 1,055,059; Mar. 4; Gaz. vol. 188; p. 138.
- Wagon. J. B. Bartholomew. No. 1,058,693; Apr. 8; Gaz. vol. 189; p. 489.
- Wagon. E. W. Knapp. No. 1,067,988; July 22; Gaz. vol. 192; p. 814.
- Wagon. E. G. Thomas. No. 1,071,971; Sept. 2; Gaz. vol. 194; p. 102.
- Wagon. J. B. Bartholomew. No. 1,073,837; Sept. 23; Gaz. vol. 194; p. 839.
- Wagon. G. W. Myers. No. 1,074,971; Oct. 7; Gaz. vol. 195; p. 129.
- Wagon. J. C. and J. J. Raum. No. 1,075,378; Oct. 14; Gaz. vol. 195; p. 300.
- Wagon. E. M. Wheelock. No. 1,080,035; Dec. 2; Gaz. vol. 197; p. 41.
- Wagon. J. C. and J. J. Raum. No. 1,083,031; Dec. 30; Gaz. vol. 197; p. 1194.
- Wagon, Ammunition-. W. Mayer. No. 1,055,772; Mar. 11; Gaz. vol. 188; p. 412.
- Wagon attachment. F. C. Doody. No. 1,055,968; Mar. 11; Gaz. vol. 188; p. 477.
- Wagon attachment. J. D. Hammond. No. 1,059,152; Apr. 15; Gaz. vol. 189; p. 687.
- Wagon attachment. M. C. Sharpneck and J. H. Lee. No. 1,065,177; June 17; Gaz. vol. 191; p. 748.
- Wagon attachment, Farm-. W. L. Kohler. No. 1,079,248; Nov. 18; Gaz. vol. 196; p. 755.
- Wagon, Automobile farm-. W. Lawrence. No. 1,050,147; Jan. 14; Gaz. vol. 186; p. 315.
- Wagon-bed. J. L. Sweeney. No. 1,074,535; Sept. 30; Gaz. vol. 194; p. 1099.
- Wagon-bed hoist. B. Bennett. No. 1,063,906; June 3; Gaz. vol. 191; p. 252.
- Wagon-body. W. A. Melrose and J. M. Overshiner. No. 1,066,937; July 8; Gaz. vol. 192; p. 389.
- Wagon-body lining. W. R. McDonald. No. 1,059,058; Apr. 15; Gaz. vol. 189; p. 655.
- Wagon-bolster. C. Tramel. No. 1,081,346; Dec. 16; Gaz. vol. 197; p. 559.
- Wagon-box. A. B. Clippinger. No. 1,082,584; Dec. 30; Gaz. vol. 197; p. 1040.
- Wagon-box and hay-rack, Convertible. O. F. and L. W. Beach. No. 1,060,418; Apr. 29; Gaz. vol. 189; p. 1197.
- Wagon-box, Convertible. L. F. Bonaly. No. 1,062,761; May 27; Gaz. vol. 190; p. 861.
- Wagon-box, Metallic knockdown. W. Milner. No. 1,066,303; July 1; Gaz. vol. 192; p. 143.
- Wagon-brake. D. B. Garner. No. 1,050,014; Jan. 7; Gaz. vol. 186; p. 235.
- Wagon-brake. P. Kesler. No. 1,063,545; June 3; Gaz. vol. 191; p. 126.
- Wagon-brake. W. Siverd. No. 1,066,854; July 8; Gaz. vol. 192; p. 359.
- Wagon-brake. C. Smith. No. 1,068,458; July 29; Gaz. vol. 192; p. 1015.
- Wagon-brake. H. R. McKissick. No. 1,073,267; Sept. 16; Gaz. vol. 194; p. 620.
- Wagon-brake. B. Gussett. No. 1,073,752; Sept. 23; Gaz. vol. 194; p. 812.
- Wagon-brake. J. Gibbs. No. 1,081,109; Dec. 9; Gaz. vol. 197; p. 440.
- Wagon-brake, Automatic. A. J. Mathews. No. 1,051,506; Jan. 28; Gaz. vol. 186; p. 848.
- Wagon-brake, Automatic. T. M. Campbell. No. 1,058,218; Apr. 8; Gaz. vol. 189; p. 327.
- Wagon, Coal-. W. H. Hunt. No. 1,071,052; Aug. 26; Gaz. vol. 193; p. 775.
- Wagon, Coke and coal. M. L. Senderling. No. 1,061,201; May 6; Gaz. vol. 190; p. 219.
- Wagon, Collapsible. A. Peterson. No. 1,054,364; Feb. 25; Gaz. vol. 187; p. 974.
- Wagon-cover. N. Nicolai. No. 1,064,083; June 10; Gaz. vol. 191; p. 347.

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- Wagon-cover, Removable. C. H. Bigbie and F. G. Tanner. No. 1,080,948; Dec. 9; Gaz. vol. 197; p. 390.
- Wagon-cover, Sanitary. C. W. Carter. No. 1,065,588; June 24; Gaz. vol. 191; p. 927.
- Wagon door-operating mechanism, Dump-. W. Atkins. No. 1,050,713; Jan. 14; Gaz. vol. 186; p. 507.
- Wagon, Dump-. C. D. Heile and E. G. Snyder. No. 1,061,743; May 13; Gaz. vol. 190; p. 442.
- Wagon, Dump-. A. F. Abigt. No. 1,063,945; June 10; Gaz. vol. 191; p. 299.
- Wagon, Dump-. H. C. Daniels. No. 1,064,448; June 10; Gaz. vol. 191; p. 473.
- Wagon, Dump-. L. F. Chrestenson. No. 1,068,737; July 29; Gaz. vol. 192; p. 1111.
- Wagon-dump. J. H. Gilman. No. 1,078,670; Nov. 18; Gaz. vol. 196; p. 554.
- Wagon-dump. J. H. Gilman. No. 1,078,672; Nov. 18; Gaz. vol. 196; p. 555.
- Wagon, Dumping-. J. R. Steele, Jr. No. 1,081,167; Dec. 9; Gaz. vol. 197; p. 460.
- Wagon, Duplex dirt-. N. B. McGhee and R. K. Acuff. No. 1,075,926; Oct. 14; Gaz. vol. 195; p. 487.
- Wagon-gear. J. H. Cruse, Jr., and R. Coleman. No. 1,065,431; June 24; Gaz. vol. 191; p. 873.
- Wagon-gear reach, Direct-draft and holdup. O. Linke. No. 1,051,603; Jan. 28; Gaz. vol. 186; p. 882.
- Wagon, Harrow-truck. F. N. Sundberg. No. 1,074,991; Oct. 7; Gaz. vol. 195; p. 137.
- Wagon-hoist. H. W. Steege. No. 1,080,083; Dec. 2; Gaz. vol. 197; p. 58.
- Wagon-hounds. R. F. Clifton. No. 1,073,958; Sept. 23; Gaz. vol. 194; p. 881.
- Wagon-jack. W. M. Lewis. No. 1,074,184; Sept. 30; Gaz. vol. 194; p. 984.
- Wagon-jack. G. L. Chitwood. No. 1,078,610; Nov. 18; Gaz. vol. 196; p. 533.
- Wagon-jack. B. Schrader. No. 1,079,802; Nov. 25; Gaz. vol. 196; p. 978.
- Wagon, Lamp-trimmer's. E. R. Whitney and E. S. Hare. No. 1,053,080; Feb. 11; Gaz. vol. 187; p. 455.
- Wagon-lifting device, Dumping-. C. Pay. No. 1,050,998; Jan. 21; Gaz. vol. 186; p. 643.
- Wagon-loader. C. E. Sipe. No. 1,051,020; Jan. 21; Gaz. vol. 186; p. 651.
- Wagon, Log-. J. A. Whittington. No. 1,053,261; Feb. 18; Gaz. vol. 187; p. 561.
- Wagon-pole, Extension. C. J. Hosek. No. 1,049,717; Jan. 7; Gaz. vol. 186; p. 137.
- Wagon, Power dumping-. J. P. Powers. No. 1,065,271; June 17; Gaz. vol. 191; p. 779.
- Wagon-rack. H. C. Sarvis. No. 1,050,854; Jan. 21; Gaz. vol. 186; p. 592.
- Wagon, Rack-. S. Little. No. 1,051,137; Jan. 21; Gaz. vol. 186; p. 690.
- Wagon-reach safety attachment. A. C. Stopp. No. 1,062,558; May 20; Gaz. vol. 190; p. 752.
- Wagon-seat. L. A. Larson. No. 1,074,960; Oct. 7; Gaz. vol. 195; p. 126.
- Wagon-seat clamp. J. Kiefer. No. 1,072,858; Sept. 9; Gaz. vol. 194; p. 437.
- Wagon-skein. W. J., Jr., and H. B. Shelton. No. 1,078,518; Nov. 11; Gaz. vol. 196; p. 471.
- Wagon-standard. S. A. Cowart. No. 1,061,224; May 6; Gaz. vol. 190; p. 226.
- Wagon winding mechanism, Dumping-. W. E. Sherwood. No. 1,050,753; Jan. 14; Gaz. vol. 186; p. 520.
- Wagons, Apparatus for filling starch-drying. F. L. Jeffries. No. 1,071,237; Aug. 26; Gaz. vol. 193; p. 836.
- Wagons, Bumper for log-. W. F. Jones. No. 1,079,859; Nov. 25; Gaz. vol. 196; p. 997.
- Wagons, &c., Means for tipping rail-supported. W. L. Hamilton. No. 1,049,709; Jan. 7; Gaz. vol. 186; p. 134.
- Wagons of the end-dump type, Locking device for dump-. C. J. Fienhold. No. 1,060,976; May 6; Gaz. vol. 190; p. 144.
- Waist adjuster, Garment-. A. K. Hurst. No. 1,076,370; Oct. 21; Gaz. vol. 195; p. 668.
- Waist-grip. G. H. Crawford. No. 1,065,297; June 17; Gaz. vol. 191; p. 788.
- Waist, Maternity-. M. A. Kniseley. No. 1,059,167; Apr. 15; Gaz. vol. 189; p. 692.
- Waistband-closure, Convertible. R. W. Graham. No. 1,054,686; Mar. 4; Gaz. vol. 188; p. 11.
- Waistband for garments. T. R. Gaines. No. 1,056,160; Mar. 18; Gaz. vol. 188; p. 578.
- Waistband for garments. A. G. Peine. No. 1,078,950; Nov. 18; Gaz. vol. 196; p. 651.
- Waistband, Tubular. A. E. Allum. No. 1,077,250; Nov. 4; Gaz. vol. 196; p. 3.
- Walk, Portable. H. Wilkens. No. 1,050,584; Jan. 14; Gaz. vol. 186; p. 467.
- Walker, Adjustable. S. L. Arnold. No. 1,054,077; Feb. 25; Gaz. vol. 187; p. 876.
- Walking-stick and pennant-holder, Combined. W. A. Schmelz. No. 1,060,133; Apr. 29; Gaz. vol. 189; p. 1095.
- Wall and like plug or socket. J. J. Rawlings. No. 1,059,209; Apr. 15; Gaz. vol. 189; p. 707.
- Wall-block with flashing. R. R. Mabie. No. 1,064,733; June 17; Gaz. vol. 191; p. 613.
- Wall-bracket, Electric. C. L. Bailey and L. E. Hale. No. 1,054,081; Feb. 25; Gaz. vol. 187; p. 877.
- Wall-clamp and post, Combined. C. W. Miles and W. Chinter. No. 1,055,413; Mar. 11; Gaz. vol. 188; p. 292.
- Wall-coating, Manufacture of material for. A. Bertram. No. 1,051,857; Feb. 4; Gaz. vol. 187; p. 4.
- Wall construction. H. H. Hahn. No. 1,054,199; Feb. 25; Gaz. vol. 187; p. 918.
- Wall construction. A. F. Meyer. No. 1,061,918; May 13; Gaz. vol. 190; p. 495.
- Wall construction. M. H. Jester. No. 1,073,134; Sept. 16; Gaz. vol. 194; p. 572.
- Wall construction. J. Conzelman. No. 1,079,112; Nov. 18; Gaz. vol. 196; p. 709.
- Wall construction. L. J. Dare. No. 1,080,002; Dec. 2; Gaz. vol. 197; p. 29.
- Wall construction and tile or block therefor. A. Hardoncourt, Jr. No. 1,068,338; July 22; Gaz. vol. 192; p. 936.
- Wall construction, Bond and reinforcement for hollow-. C. B. Harp. No. 1,063,439; June 3; Gaz. vol. 191; p. 90.
- Wall construction, Double-. J. E. Conzelman. No. 1,079,111; Nov. 18; Gaz. vol. 196; p. 709.
- Wall construction, Double-. J. E. Conzelman. No. 1,079,113; Nov. 18; Gaz. vol. 196; p. 710.
- Wall construction, Metallic-studding metal-clip plaster-board partition-. M. H. Jester. No. 1,082,336; Dec. 23; Gaz. vol. 197; p. 923.
- Wall-covering in imitation of real tapestry. R. W. Newcombe. No. 1,053,429; Feb. 18; Gaz. vol. 187; p. 620.
- Wall mold, Silo-. A. F. Reichert. No. 1,071,177; Aug. 26; Gaz. vol. 193; p. 816.
- Wall-plug. W. O. Wicks. No. 1,056,387; Mar. 18; Gaz. vol. 188; p. 652.
- Wall, Reinforced block. J. S. Banks. No. 1,061,441; May 13; Gaz. vol. 190; p. 335.
- Wall-seat. A. A. Hoy. No. 1,059,467; Apr. 22; Gaz. vol. 189; p. 833.
- Wall-socket. J. Kennedy. No. 1,052,830; Feb. 11; Gaz. vol. 187; p. 369.
- Wall structure. G. A. Wieland and W. F. Aldrich. No. 1,073,829; Sept. 23; Gaz. vol. 194; p. 836.
- Wall-tie. O. F. Merwin. No. 1,076,836; Oct. 28; Gaz. vol. 195; p. 886.
- Wall-tying device. G. W. Denison. No. 1,079,115; Nov. 18; Gaz. vol. 196; p. 710.
- Walls and ceilings, Key-base for side. R. D. Weakley. No. 1,076,725; Oct. 28; Gaz. vol. 195; p. 847.
- Walls and partitions of buildings, Construction of. H. H. Vought, Jr. No. 1,052,775; Feb. 11; Gaz. vol. 187; p. 349.
- Walls, Attaching marble and other slabs to. J. Carlberg. No. 1,054,744; Mar. 4; Gaz. vol. 188; p. 31.
- Walls, Construction of building-. H. J. Schubert. No. 1,056,948; Mar. 25; Gaz. vol. 188; p. 878.
- Walls, &c., Construction of supports for building-. J. Breuchaud. (Reissue.) No. 13,532; Feb. 18; Gaz. vol. 187; p. 799.
- Walls, &c., Machine for erecting. U. Cagnassi. No. 1,054,635; Feb. 25; Gaz. vol. 187; p. 1066.
- Walls, partitions, &c., Composite construction of. E. T. Bates. No. 1,052,788; Feb. 11; Gaz. vol. 187; p. 354.
- Walls, Reinforcing means for building-. H. J. Wagner. No. 1,055,242; Mar. 4; Gaz. vol. 188; p. 196.
- Walls, Waterproofing construction for building-. B. Foster. No. 1,062,091; May 20; Gaz. vol. 190; p. 598.
- War-ships, Powder or explosive magazine for. J. E. Starr. No. 1,079,069; Nov. 18; Gaz. vol. 196; p. 695.
- War-ships, Powder or explosive magazine for. C. C. Palmer. No. 1,079,070; Nov. 18; Gaz. vol. 196; p. 695.
- Wardrobe. B. L. Pape. No. 1,064,928; June 17; Gaz. vol. 191; p. 666.
- Wardrobe. J. A. Kindberg. No. 1,072,473; Sept. 9; Gaz. vol. 194; p. 303.
- Wardrobe. O. Herrmann. No. 1,078,502; Nov. 11; Gaz. vol. 196; p. 465.
- Wardrobe, chest, &c., Collapsible. L. Geschickter. No. 1,082,857; Dec. 30; Gaz. vol. 197; p. 1135.
- Wardrobe, Collapsible. M. O. Berry. No. 1,059,023; Apr. 15; Gaz. vol. 189; p. 644.
- Wardrobe, Collapsible. J. Nielsen. No. 1,070,717; Aug. 19; Gaz. vol. 193; p. 629.
- Wardrobe, Collapsible. J. M. Connelly. No. 1,072,089; Sept. 2; Gaz. vol. 194; p. 143.
- Wardrobe, Collapsible. J. A. Hazzard and A. B. Jones. No. 1,081,112; Dec. 9; Gaz. vol. 197; p. 441.
- Wardrobe, Hanging. C. McConnell. No. 1,071,624; Aug. 26; Gaz. vol. 193; p. 965.
- Wardrobe, Knockdown. E. N. Johnson. No. 1,075,478; Oct. 14; Gaz. vol. 195; p. 335.
- Wardrobe, Portable. F. F. McGuire. No. 1,075,298; Oct. 7; Gaz. vol. 195; p. 247.
- Wardrobe, Portable foldable. J. Neilsen. No. 1,062,845; May 27; Gaz. vol. 190; p. 889.

Alphabetical list of inventions—Continued.

- Wardrobe, Reversible. E. H. Wilson. No. 1,067,291; July 15; Gaz. vol. 192; p. 546.
- Warning apparatus for the protection of valuable objects. A. L. Pucel. No. 1,068,928; July 29; Gaz. vol. 192; p. 1180.
- Warp-drawing machine. E. D. Colman. No. 1,062,271; May 20; Gaz. vol. 190; p. 659.
- Warp-end-supporting means. H. D. Colman. No. 1,069,082; July 29; Gaz. vol. 192; p. 1231.
- Warp stop-motion. E. H. Ryon. No. 1,079,025; Nov. 18; Gaz. vol. 196; p. 680.
- Warp stop-motion. H. Koch and J. J. Müller. No. 1,082,428; Dec. 23; Gaz. vol. 197; p. 952.
- Warp-stop-motion attachment. G. Patterson. No. 1,078,215; Nov. 11; Gaz. vol. 196; p. 366.
- Warp stop-motion, Electric. J. Hancq. No. 1,065,937; July 1; Gaz. vol. 192; p. 10.
- Warp stop-motion, Electric. J. Hancq. No. 1,065,938; July 1; Gaz. vol. 192; p. 11.
- Warp stop-motion, Electric. J. Hancq. No. 1,071,313; Aug. 26; Gaz. vol. 193; p. 862.
- Warp-threads, Apparatus for applying stop-motion detectors to. J. F. Dustin. No. 1,072,103; Sept. 2; Gaz. vol. 194; p. 147.
- Warp-threads into the heddles, Device for the purpose of threading the. O. von Meyenburg. No. 1,076,598; Oct. 21; Gaz. vol. 195; p. 749.
- Warp-tying apparatus. H. D. Colman. No. 1,082,474; Dec. 23; Gaz. vol. 197; p. 966.
- Warp-tying machine. O. and O. Fischer. No. 1,069,405; Aug. 5; Gaz. vol. 193; p. 111.
- Warp-tying machine. H. D. Colman. No. 1,079,470; Nov. 25; Gaz. vol. 196; p. 861.
- Warp-uniting machine. H. D. Colman. No. 1,069,081; July 29; Gaz. vol. 192; p. 1231.
- Warps, Machine for operating upon. T. E. Bingham. No. 1,064,044; June 10; Gaz. vol. 191; p. 333.
- Warper. E. H. Ryon. No. 1,061,012; May 6; Gaz. vol. 190; p. 157.
- Washer: See Air-washer; Bottle-washer; Clothes-washer; Coal-washer; Coal and ore washer; Demijohn-washer; Dish-washer; Fruit and vegetable washer; Gas-washer; Gas-generator washer; Nut-washer; Ore and coal washer; Photographic-print washer; Photographic print and plate washer; Stay-washer; Stone-washer; Tumbler-washer; Turbine-washer; Window-washer.
- Washer. W. P. and S. G. Thomson. No. 1,057,686; Apr. 1; Gaz. vol. 189; p. 99.
- Washer. J. F. Butler. No. 1,075,760; Oct. 14; Gaz. vol. 195; p. 430.
- Washer-forming machine and punch-press. C. F. Menning. No. 1,062,490; May 20; Gaz. vol. 190; p. 730.
- Washer-stringer. D. T. Vance. No. 1,060,515; Apr. 29; Gaz. vol. 189; p. 1229.
- Washing and rinsing machine, Portable. J. W. Schwoerer. No. 1,054,990; Mar. 4; Gaz. vol. 188; p. 114.
- Washing and wringing machines, Operating mechanism for. R. B. Goodrich. No. 1,075,413; Oct. 14; Gaz. vol. 195; p. 312.
- Washing apparatus. J. R. Smith. No. 1,075,734; Oct. 14; Gaz. vol. 195; p. 422.
- Washing-boiler. J. E. Rowan and L. F. Bauman. No. 1,074,528; Sept. 30; Gaz. vol. 194; p. 1096.
- Washing device. W. M. Elias. No. 1,051,493; Jan. 28; Gaz. vol. 186; p. 844.
- Washing device. M. P. Freiborg. No. 1,082,313; Dec. 23; Gaz. vol. 197; p. 916.
- Washing, dyeing, and softening machine. W. G. Gibbins. No. 1,052,911; Feb. 11; Gaz. vol. 187; p. 397.
- Washing fibrous substances, Apparatus for. W. R. Kay. No. 1,065,947; July 1; Gaz. vol. 192; p. 15.
- Washing-machine. J. W. Pippin. No. 1,050,083; Jan. 7; Gaz. vol. 186; p. 260.
- Washing-machine. H. Neumann. No. 1,051,622; Jan. 28; Gaz. vol. 186; p. 888.
- Washing-machine. F. J. Cramer. No. 1,052,131; Feb. 4; Gaz. vol. 187; p. 99.
- Washing-machine. G. W. Nelson. No. 1,053,208; Feb. 18; Gaz. vol. 187; p. 542.
- Washing-machine. J. H. Glasener. No. 1,053,379; Feb. 18; Gaz. vol. 187; p. 602.
- Washing-machine. W. M. Johnston. No. 1,053,607; Feb. 18; Gaz. vol. 187; p. 681.
- Washing-machine. A. T. Loftsgaarden. No. 1,054,428; Feb. 25; Gaz. vol. 187; p. 997.
- Washing-machine. J. C. Shirer. No. 1,055,670; Mar. 11; Gaz. vol. 188; p. 376.
- Washing-machine. J. Davies. No. 1,056,634; Mar. 18; Gaz. vol. 188; p. 740.
- Washing-machine. C. W. Blakeslee and W. B. Wicker. No. 1,058,715; Apr. 15; Gaz. vol. 189; p. 534.
- Washing-machine. D. Cameron. No. 1,059,029; Apr. 15; Gaz. vol. 189; p. 645.
- Washing-machine. W. E. Thompson. No. 1,062,130; May 20; Gaz. vol. 190; p. 610.
- Washing-machine. W. M. Kincaid. No. 1,066,019; July 1; Gaz. vol. 192; p. 40.
- Washing-machine. A. C. Kenworthy. No. 1,067,176; July 8; Gaz. vol. 192; p. 469.
- Washing-machine. B. J. Reid. No. 1,074,740; Oct. 7; Gaz. vol. 195; p. 53.
- Washing-machine. W. H. Stahl. No. 1,076,247; Oct. 21; Gaz. vol. 195; p. 624.
- Washing-machine. D. E. G. Clarke. No. 1,077,330; Nov. 4; Gaz. vol. 196; p. 31.
- Washing-machine. H. F. Kuhlmann. No. 1,077,534; Nov. 4; Gaz. vol. 196; p. 104.
- Washing-machine. L. A. Curtis and E. H. Hall. No. 1,078,486; Nov. 11; Gaz. vol. 196; p. 460.
- Washing-machine. A. Bowers. No. 1,082,066; Dec. 23; Gaz. vol. 197; p. 829.
- Washing-machine-actuating mechanism. C. M. Dumond. No. 1,081,726; Dec. 16; Gaz. vol. 197; p. 683.
- Washing-machine agitator. E. L. Watrous. No. 1,069,504; Aug. 5; Gaz. vol. 193; p. 145.
- Washing machine, Clothes-. C. P. Smith. No. 1,065,473; June 24; Gaz. vol. 191; p. 888.
- Washing-machine cylinder. H. Budd. No. 1,066,705; July 8; Gaz. vol. 192; p. 310.
- Washing-machine, Cylinder. H. W. Darrow. No. 1,077,043; Oct. 28; Gaz. vol. 195; p. 960.
- Washing-machine-driving mechanism. O. H. Watkins. No. 1,074,073; Sept. 23; Gaz. vol. 194; p. 919.
- Washing-machine-driving mechanism. O. H. Watkins. No. 1,075,175; Oct. 7; Gaz. vol. 195; p. 202.
- Washing-machine, Electric. R. D. Robinson. No. 1,059,071; Apr. 15; Gaz. vol. 189; p. 660.
- Washing-machine gearing. T. O. H. Herzog. No. 1,064,323; June 10; Gaz. vol. 191; p. 429.
- Washing-machine gearing. J. I. Woodruff. No. 1,076,089; Oct. 21; Gaz. vol. 195; p. 571.
- Washing-machine harrows, Claw attachment for. F. G. Sargent. No. 1,054,036; Feb. 25; Gaz. vol. 187; p. 862.
- Washing-machine-operating mechanism. W. V. Frank. No. 1,072,109; Sept. 2; Gaz. vol. 194; p. 150.
- Washing-machine support. G. N. Hedrick. No. 1,051,107; Jan. 21; Gaz. vol. 186; p. 681.
- Washing-machine wringer-gearing. O. G. Pfeiffer. No. 1,082,551; Dec. 30; Gaz. vol. 197; p. 1028.
- Washing-machines and wringers, Gearing device for. W. J. Schoonover. No. 1,079,582; Nov. 25; Gaz. vol. 196; p. 900.
- Washing-machines, Mechanical movement for. S. T. White. No. 1,056,872; Mar. 25; Gaz. vol. 188; p. 851.
- Washing-machines, Mechanical movement for. W. H. Voss. No. 1,079,456; Nov. 25; Gaz. vol. 196; p. 856.
- Washing-machines, Mechanical movement for. S. T. White. No. 1,079,460; Nov. 25; Gaz. vol. 196; p. 857.
- Washing-machines, Suction-pounder for. A. E. Cobb and H. L. Parker. No. 1,072,312; Sept. 2; Gaz. vol. 194; p. 216.
- Washing or cooking boiler. B. F. Cornelius. No. 1,051,558; Jan. 28; Gaz. vol. 186; p. 867.
- Washing-out and refining machine. H. Paatz. No. 1,083,128; Dec. 30; Gaz. vol. 197; p. 1225.
- Washbasin. I. A. Moore. No. 1,056,352; Mar. 18; Gaz. vol. 188; p. 640.
- Washbench and ironing-board support, Folding combined. C. Danielson. No. 1,080,956; Dec. 9; Gaz. vol. 197; p. 392.
- Washboard. W. O. Daly. No. 1,055,142; Mar. 4; Gaz. vol. 188; p. 165.
- Washboard. L. W. Geer. No. 1,060,564; Apr. 29; Gaz. vol. 189; p. 1246.
- Washboard. M. B. Feinen. No. 1,062,447; May 20; Gaz. vol. 190; p. 716.
- Washboard. C. Lasky and S. M. Kreisman. No. 1,066,022; July 1; Gaz. vol. 192; p. 41.
- Washboard. T. T. Hosack. No. 1,067,919; July 22; Gaz. vol. 192; p. 791.
- Washboard rubbing implement. M. Seessle. No. 1,059,643; Apr. 22; Gaz. vol. 189; p. 890.
- Washboards, Liquid-soap feeder for. J. Cohen. No. 1,067,585; July 15; Gaz. vol. 192; p. 645.
- Washboiler. E. J. Simmons. No. 1,049,928; Jan. 7; Gaz. vol. 186; p. 206.
- Washboiler. A. Tonkiewitz. No. 1,060,298; Apr. 29; Gaz. vol. 189; p. 1154.
- Washboiler. K. Borovski. No. 1,065,902; June 24; Gaz. vol. 191; p. 1033.
- Washline-hanger. E. Haupt. No. 1,074,321; Sept. 30; Gaz. vol. 194; p. 1030.
- Washstand. C. T. Maillette and D. A. McGregor. No. 1,060,106; Apr. 29; Gaz. vol. 189; p. 1085.
- Wash tub. J. H. Gibbs. No. 1,053,168; Feb. 18; Gaz. vol. 187; p. 528.
- Waste and overflow, Combined. P. Mueller and A. C. Schuermann. No. 1,059,748; Apr. 22; Gaz. vol. 189; p. 925.
- Waste and overflow fixture. W. Cantlon. No. 1,072,911; Sept. 9; Gaz. vol. 194; p. 458.
- Waste and overflow mechanism. J. Allingham. No. 1,049,795; Jan. 7; Gaz. vol. 186; p. 162.
- Waste burner and incinerator. C. A. Raggio. No. 1,081,773; Dec. 16; Gaz. vol. 197; p. 701.
- Waste-detector and water-meter, Combined. F. W. Hanks. No. 1,063,255; June 3; Gaz. vol. 191; p. 29.
- Waste-shield. C. Jenkins and C. H. Kneпка. No. 1,071,319; Aug. 26; Gaz. vol. 193; p. 864.

Alphabetical list of inventions—Continued.

- Waste, Treating oil-soaked. I. Jones. No. 1,051,116; Jan. 21; Gaz. vol. 186; p. 684.
- Watch. W. E. Porter. No. 1,054,446; Feb. 25; Gaz. vol. 187; p. 1002.
- Watch. M. Sporleder. No. 1,069,348; Aug. 5; Gaz. vol. 193; p. 91.
- Watch. W. E. Porter. No. 1,074,976; Oct. 7; Gaz. vol. 195; p. 131.
- Watch. M. Sporleder. No. 1,076,072; Oct. 21; Gaz. vol. 195; p. 564.
- Watch balance-staff. A. E. Hurwitz and C. W. Goodman. No. 1,080,449; Dec. 2; Gaz. vol. 197; p. 187.
- Watch-bow fastener. J. H. Brown. No. 1,049,446; Jan. 7; Gaz. vol. 186; p. 44.
- Watch, Bracelet-. H. W. Matalene. No. 1,050,221; Jan. 14; Gaz. vol. 186; p. 339.
- Watch-dial-fastening device. W. B. Miller. No. 1,074,130; Sept. 30; Gaz. vol. 194; p. 967.
- Watch-dials, &c., Fastener for. E. A. Marsh. No. 1,065,952; July 1; Gaz. vol. 192; p. 17.
- Watch-fob. R. B. Whitehead. No. 1,077,025; Oct. 28; Gaz. vol. 195; p. 954.
- Watch-gage. T. J. Juzek. No. 1,058,755; Apr. 15; Gaz. vol. 189; p. 548.
- Watch-guard, Safety. R. Fischer. No. 1,074,543; Sept. 30; Gaz. vol. 194; p. 1101.
- Watch, Impulse and rotary stem winding and setting. A. Plean. No. 1,080,474; Dec. 2; Gaz. vol. 197; p. 194.
- Watch-movement. J. A. Freund. No. 1,063,251; June 3; Gaz. vol. 191; p. 28.
- Watch-repairer's tool. I. T. Maddocks. No. 1,070,150; Aug. 12; Gaz. vol. 193; p. 395.
- Watch screw-driver. L. E. F. Wachter. No. 1,057,101; Mar. 25; Gaz. vol. 188; p. 931.
- Watch, Stem winding and setting. W. E. Porter. No. 1,054,447; Feb. 25; Gaz. vol. 187; p. 1002.
- Watch-support. A. Bannatyne. No. 1,074,767; Oct. 7; Gaz. vol. 195; p. 62.
- Watch winding-indicator. J. P. Schell. No. 1,056,126; Mar. 18; Gaz. vol. 188; p. 566.
- Watches and the like, Pendant and bow construction for. H. W. Matalene. No. 1,050,965; Jan. 21; Gaz. vol. 186; p. 632.
- Watches, Balance-staff for. T. Sokolowski. No. 1,075,387; Oct. 14; Gaz. vol. 195; p. 304.
- Watches, medallions, pendants, and the like, Shutter for. E. Jaeger. No. 1,063,449; June 3; Gaz. vol. 191; p. 94.
- Watches, Record means for. R. E. Allen and L. G. Bollman. No. 1,056,875; Mar. 25; Gaz. vol. 188; p. 852.
- Watches, &c., Strap for wrist-. L. E. F. Wachter. No. 1,055,579; Mar. 11; Gaz. vol. 188; p. 346.
- Watchcase-bows, Producing. H. L. Jeffery. No. 1,061,080; May 6; Gaz. vol. 190; p. 179.
- Watchcase-box. S. B. Allen. No. 1,053,896; Feb. 18; Gaz. vol. 187; p. 776.
- Watchmakers' lathes, Screw-feed attachment for tailstocks of. W. M. Moseley. No. 1,068,693; July 29; Gaz. vol. 192; p. 1096.
- Watchmakers' lathes, Tool-rest for. L. A. Holman. No. 1,059,731; Apr. 22; Gaz. vol. 189; p. 919.
- Watchmaker's loupe. G. H. Day. No. 1,065,346; June 24; Gaz. vol. 191; p. 843.
- Water-agitator. T. F. Pharo. No. 1,055,980; Mar. 11; Gaz. vol. 188; p. 481.
- Water and purifying it from germs, Clarifying. R. Gans. No. 1,082,315; Dec. 23; Gaz. vol. 197; p. 916.
- Water and sloop carrier. H. J. Hofer. No. 1,051,110; Jan. 21; Gaz. vol. 186; p. 682.
- Water, &c., Apparatus for the purification of. M. D. Avery. No. 1,066,570; July 8; Gaz. vol. 192; p. 261.
- Water applicator, Hot and cold. T. Michael. No. 1,078,207; Nov. 11; Gaz. vol. 196; p. 363.
- Water-bag. C. J. O'riely. No. 1,068,362; July 22; Gaz. vol. 192; p. 944.
- Water-bag fixture. M. C. Schweinert and H. P. Kraft. No. 1,050,492; Jan. 14; Gaz. vol. 186; p. 436.
- Water cinder-mill. J. H. Sellers. No. 1,053,444; Feb. 18; Gaz. vol. 187; p. 625.
- Water-circulating-system heater. R. M. Dixon. No. 1,055,725; Mar. 11; Gaz. vol. 188; p. 395.
- Water-closet. O. C. G. Brettell. No. 1,050,099; Jan. 14; Gaz. vol. 186; p. 300.
- Water-closet. A. J. Podmore. No. 1,056,361; Mar. 18; Gaz. vol. 188; p. 643.
- Water-closet. A. A. and A. J. Bruder. No. 1,061,522; May 13; Gaz. vol. 190; p. 365.
- Water-closet. T. F. Payne. No. 1,062,413; May 20; Gaz. vol. 190; p. 706.
- Water-closet. C. Glenon. No. 1,070,245; Aug. 12; Gaz. vol. 193; p. 427.
- Water-closet. J. P. Cowan. No. 1,077,221; Oct. 28; Gaz. vol. 195; p. 1014.
- Water-closet and water-closet outlet connection. C. H. Moore. No. 1,060,570; Apr. 29; Gaz. vol. 189; p. 1248.
- Water-closet attachment. J. G. Cary. No. 1,051,985; Feb. 4; Gaz. vol. 187; p. 47.
- Water-closet connection. J. Podolsky. No. 1,061,632; May 13; Gaz. vol. 190; p. 404.
- Water-closet seat. G. W. Pilkington. No. 1,055,219; Mar. 4; Gaz. vol. 188; p. 189.
- Water-closet seat. H. M. Hoelscher. No. 1,079,007; Nov. 18; Gaz. vol. 196; p. 673.
- Water-closet-seat-actuating mechanism. A. L. Walten-sperger. No. 1,079,732; Nov. 25; Gaz. vol. 196; p. 952.
- Water-closet seat, Sanitary. F. J. Graves. No. 1,063,431; June 3; Gaz. vol. 191; p. 88.
- Water-closet, Siphon. A. Cochran. No. 1,067,095; July 8; Gaz. vol. 192; p. 440.
- Water-closet, Siphon. A. Cochran. No. 1,067,096; July 8; Gaz. vol. 192; p. 441.
- Water-closet valve. M. Marino. No. 1,069,559; Aug. 5; Gaz. vol. 193; p. 162.
- Water-closet valve, Frost-proof. T. F. Payne. No. 1,062,412; May 20; Gaz. vol. 190; p. 705.
- Water-coil. R. F. Reed. No. 1,081,332; Dec. 16; Gaz. vol. 197; p. 554.
- Water connection. L. J. Holzapfel. No. 1,074,174; Sept. 30; Gaz. vol. 194; p. 981.
- Water-cooler. H. G. Cordley. No. 1,054,677; Mar. 4; Gaz. vol. 188; p. 9.
- Water-cooler. W. E. Patnaude. No. 1,078,214; Nov. 11; Gaz. vol. 196; p. 366.
- Water-cooler. P. P. Adolph. No. 1,082,841; Dec. 30; Gaz. vol. 197; p. 1130.
- Water-cooling apparatus. L. L. Wilson. No. 1,079,087; Nov. 18; Gaz. vol. 196; p. 700.
- Water cut-off. W. H. Daniel. No. 1,067,409; July 15; Gaz. vol. 192; p. 586.
- Water cut-off, Automatic. S. O. Thompson. No. 1,075,675; Oct. 14; Gaz. vol. 195; p. 402.
- Water-distributor for urinal-slabs. O. P. Cadmus. No. 1,059,343; Apr. 22; Gaz. vol. 189; p. 789.
- Water-distributing device. J. H. Glauber. No. 1,066,104; July 1; Gaz. vol. 192; p. 71.
- Water-distributing system. T. H. Hollis. No. 1,059,609; Apr. 22; Gaz. vol. 189; p. 879.
- Water-elevating apparatus. J. L. Wray. No. 1,068,197; July 22; Gaz. vol. 192; p. 886.
- Water-elevating apparatus. L. Stowe. No. 1,072,787; Sept. 9; Gaz. vol. 194; p. 411.
- Water-elevator. H. Cole. No. 1,072,430; Sept. 9; Gaz. vol. 194; p. 287.
- Water-escape or scupper. G. W. Schodde. No. 1,078,700; Nov. 18; Gaz. vol. 196; p. 565.
- Water-feeding attachment. D. F. Leone. No. 1,079,869; Nov. 25; Gaz. vol. 196; p. 1001.
- Water-flow, Apparatus for measuring and registering. W. F. Englebright. No. 1,080,052; Dec. 2; Gaz. vol. 197; p. 46.
- Water-gage. G. J. Hatz. No. 1,051,105; Jan. 21; Gaz. vol. 186; p. 680.
- Water-gage. W. H. Hill and A. M. Patch. No. 1,057,834; Apr. 1; Gaz. vol. 189; p. 150.
- Water-gage. G. L. Huntress, Jr. No. 1,059,733; Apr. 22; Gaz. vol. 189; p. 919.
- Water-gage. S. Fukutome. No. 1,066,807; July 8; Gaz. vol. 192; p. 344.
- Water-gage. H. C. Manchester. No. 1,070,620; Aug. 19; Gaz. vol. 193; p. 597.
- Water-gage. G. J. Hatz. No. 1,072,608; Sept. 9; Gaz. vol. 194; p. 349.
- Water-gage. F. W. Walraven and C. E. Calkins. No. 1,075,881; Oct. 14; Gaz. vol. 195; p. 471.
- Water-gage, Automatic-shut-off. K. Pap. No. 1,072,642; Sept. 9; Gaz. vol. 194; p. 361.
- Water-gage for steam-boilers, Bull's-eye. A. Miller. No. 1,058,452; Apr. 8; Gaz. vol. 189; p. 409.
- Water-gage-glass column. W. M. Paul. No. 1,082,441; Dec. 23; Gaz. vol. 197; p. 957.
- Water-gage-glass shield. T. F. Carbery. No. 1,080,952; Dec. 9; Gaz. vol. 197; p. 391.
- Water gage or meter. L. C. Humphrey. No. 1,056,178; Mar. 18; Gaz. vol. 188; p. 583.
- Water-gap gate. A. Sattler. No. 1,072,778; Sept. 9; Gaz. vol. 194; p. 408.
- Water-gate, Double-seat. H. W. Luncford. No. 1,056,563; Mar. 18; Gaz. vol. 188; p. 716.
- Water-gate for ditches and canals. P. E. Burnham. No. 1,059,656; Apr. 22; Gaz. vol. 189; p. 894.
- Water-gate, Irrigation. U. Serviss. No. 1,062,042; May 20; Gaz. vol. 190; p. 580.
- Water-heater. M. B. Diskin. No. 1,049,461; Jan. 7; Gaz. vol. 186; p. 48.
- Water-heater. J. W. Gamble. No. 1,050,209; Jan. 14; Gaz. vol. 186; p. 335.
- Water-heater. J. Johnson. No. 1,050,542; Jan. 14; Gaz. vol. 186; p. 454.
- Water-heater. E. Ruud. No. 1,050,564; Jan. 14; Gaz. vol. 186; p. 460.
- Water-heater. W. J. Boland. No. 1,050,911; Jan. 21; Gaz. vol. 186; p. 614.
- Water-heater. C. A. Borein. No. 1,052,792; Feb. 11; Gaz. vol. 187; p. 356.
- Water-heater. J. Ellis. No. 1,053,370; Feb. 18; Gaz. vol. 187; p. 599.
- Water-heater. F. C. Grimm. No. 1,053,491; Feb. 18; Gaz. vol. 187; p. 641.

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- Water-heater. W. C. Gurney. No. 1,054,406; Feb. 25; Gaz. vol. 187; p. 989.
- Water-heater. L. P. Silverman. No. 1,055,363; Mar. 11; Gaz. vol. 188; p. 275.
- Water-heater. D. Whiteford. No. 1,060,148; Apr. 29; Gaz. vol. 189; p. 1100.
- Water-heater. B. A. Schroder. No. 1,060,638; May 6; Gaz. vol. 190; p. 25.
- Water-heater. G. E. Toepper. No. 1,060,959; May 6; Gaz. vol. 190; p. 138.
- Water-heater. C. S. Folsom. No. 1,062,574; May 20; Gaz. vol. 190; p. 758.
- Water-heater. J. P. Reinecke. No. 1,063,733; June 3; Gaz. vol. 191; p. 196.
- Water-heater. L. R. Mendelson. No. 1,063,994; June 10; Gaz. vol. 191; p. 317.
- Water-heater. H. W. O'Dowd. No. 1,064,001; June 10; Gaz. vol. 191; p. 319.
- Water-heater. C. D. Allan. No. 1,064,418; June 10; Gaz. vol. 191; p. 463.
- Water-heater. H. O. Breaker. No. 1,067,861; July 22; Gaz. vol. 192; p. 772.
- Water-heater. C. F. Newport. No. 1,068,810; July 29; Gaz. vol. 192; p. 1138.
- Water-heater. J. Altmos. No. 1,069,841; Aug. 12; Gaz. vol. 193; p. 289.
- Water-heater. J. A. McSalley. No. 1,070,052; Aug. 12; Gaz. vol. 193; p. 360.
- Water-heater. T. J. Radke. No. 1,070,529; Aug. 19; Gaz. vol. 193; p. 567.
- Water-heater. H. Anderson. No. 1,070,574; Aug. 19; Gaz. vol. 193; p. 583.
- Water-heater. H. G. Rucker and W. P. Dambaugh. No. 1,070,846; Aug. 19; Gaz. vol. 193; p. 672.
- Water-heater. B. T. Williston. No. 1,072,197; Sept. 2; Gaz. vol. 194; p. 180.
- Water-heater. J. A. Dillon. No. 1,073,222; Sept. 16; Gaz. vol. 194; p. 604.
- Water-heater. I. Jensen. No. 1,073,687; Sept. 23; Gaz. vol. 194; p. 788.
- Water-heater. S. Ellis. No. 1,076,274; Oct. 21; Gaz. vol. 195; p. 633.
- Water-heater. F. W. Reese. No. 1,077,160; Oct. 28; Gaz. vol. 195; p. 994.
- Water-heater. J. Antonuccio. No. 1,077,579; Nov. 4; Gaz. vol. 196; p. 117.
- Water-heater. J. F. Jones. No. 1,077,609; Nov. 4; Gaz. vol. 196; p. 127.
- Water-heater. S. Soeda. No. 1,077,648; Nov. 4; Gaz. vol. 196; p. 141.
- Water-heater. J. E. Gillespie. No. 1,077,828; Nov. 4; Gaz. vol. 196; p. 201.
- Water-heater. L. Ramsey. No. 1,078,694; Nov. 18; Gaz. vol. 196; p. 563.
- Water-heater. C. A. Haas. No. 1,079,005; Nov. 18; Gaz. vol. 196; p. 672.
- Water-heater. J. O. Van Buskor and E. Meier. No. 1,079,811; Nov. 25; Gaz. vol. 196; p. 981.
- Water-heater. J. B. Malen. No. 1,082,089; Dec. 23; Gaz. vol. 197; p. 837.
- Water-heater and garbage-burner, Combined. H. Sims. No. 1,081,337; Dec. 16; Gaz. vol. 197; p. 556.
- Water-heater and sprinkler system, Combined. W. B. Hammond. No. 1,058,968; Apr. 15; Gaz. vol. 189; p. 624.
- Water-heater and steam-generator, Combined. J. J. Rohan. No. 1,072,874; Sept. 9; Gaz. vol. 194; p. 444.
- Water-heater, Automatic. B. E. Meacham. No. 1,082,131; Dec. 23; Gaz. vol. 197; p. 850.
- Water-heater, Automatic electric. L. Miles. No. 1,057,760; Apr. 1; Gaz. vol. 189; p. 123.
- Water-heater construction. F. L. O. Wadsworth. No. 1,069,046; July 29; Gaz. vol. 192; p. 1219.
- Water-heater, Convertible gas and hot-flue. C. A. McGinnis. No. 1,058,190; Apr. 8; Gaz. vol. 189; p. 318.
- Water-heater, Electric. E. M. Wright and R. W. Hall. No. 1,053,550; Feb. 18; Gaz. vol. 187; p. 661.
- Water-heater, Electric. H. De Wallace. No. 1,069,679; Aug. 12; Gaz. vol. 193; p. 233.
- Water-heater, Electric. R. C. Boyer. No. 1,077,035; Oct. 28; Gaz. vol. 195; p. 956.
- Water-heater, Electric. J. Polák. No. 1,079,185; Nov. 18; Gaz. vol. 196; p. 735.
- Water-heater, Electrical. F. Walker. No. 1,053,076; Feb. 11; Gaz. vol. 187; p. 453.
- Water-heater, Electrical. A. P. Nichols. No. 1,056,205; Mar. 18; Gaz. vol. 188; p. 592.
- Water-heater, Gas. C. Munzner. No. 1,065,165; June 17; Gaz. vol. 191; p. 744.
- Water-heater, Gas. W. B. Bastian. No. 1,072,072; Sept. 2; Gaz. vol. 194; p. 137.
- Water-heater, Instantaneous. R. C. Frampton. No. 1,053,906; Feb. 18; Gaz. vol. 187; p. 780.
- Water-heater, Instantaneous. J. J. Lisch. No. 1,069,273; Aug. 5; Gaz. vol. 193; p. 65.
- Water heater or boiler. C. F. Newport. No. 1,068,694; July 29; Gaz. vol. 192; p. 1096.
- Water-heater, Portable. O. W. Tucker. No. 1,067,157; July 8; Gaz. vol. 192; p. 463.
- Water-heater, Safety instantaneous. G. P. Carroll and F. N. Roehrich. No. 1,059,977; Apr. 29; Gaz. vol. 189; p. 1043.
- Water-heater, Solar. D. A. Harrison. No. 1,068,650; July 29; Gaz. vol. 192; p. 1081.
- Water-heaters, Automatic cut-off for electric. C. C., R. C., and J. W. Fine. No. 1,051,991; Feb. 4; Gaz. vol. 187; p. 49.
- Water-heaters, Gas-controlling mechanism for instantaneous. J. Ellis. No. 1,053,369; Feb. 18; Gaz. vol. 187; p. 598.
- Water-heaters, Gas-supply regulator for. S. Bondy. No. 1,067,458; July 15; Gaz. vol. 192; p. 602.
- Water-heating and measuring apparatus. D. R. Yarnall. No. 1,064,806; June 17; Gaz. vol. 191; p. 628.
- Water-heating and measuring apparatus. E. G. Jay, Jr. No. 1,077,350; Nov. 4; Gaz. vol. 196; p. 38.
- Water, Heating and purifying. G. H. Gibson. No. 1,080,826; Dec. 9; Gaz. vol. 197; p. 349.
- Water-heating apparatus. W. M. Partridge. No. 1,049,388; Jan. 7; Gaz. vol. 186; p. 24.
- Water-heating apparatus. W. M. Partridge. No. 1,049,524; Jan. 7; Gaz. vol. 186; p. 69.
- Water-heating apparatus. W. Hawks. No. 1,054,202; Feb. 25; Gaz. vol. 187; p. 919.
- Water-heating apparatus. J. Hickey. No. 1,058,586; Apr. 8; Gaz. vol. 189; p. 452.
- Water-heating apparatus. W. Hawks. No. 1,072,609; Sept. 9; Gaz. vol. 194; p. 349.
- Water-heating apparatus. J. C. Jones, J. W. Gamble, and H. E. Sibson. No. 1,078,623; Nov. 18; Gaz. vol. 196; p. 538.
- Water-heating apparatus. J. B. Beauvais. No. 1,083,237; Dec. 30; Gaz. vol. 197; p. 1259.
- Water-heating attachment. W. B. Wertz. No. 1,059,796; Apr. 22; Gaz. vol. 189; p. 941.
- Water-heating device. G. B. Stewart. No. 1,056,467; Mar. 18; Gaz. vol. 188; p. 682.
- Water-heating device. V. J. Touchard. No. 1,072,274; Sept. 2; Gaz. vol. 194; p. 204.
- Water-heating device. J. C. Reissling. No. 1,074,741; Oct. 7; Gaz. vol. 195; p. 53.
- Water-heating device. H. K. Bealer. No. 1,079,826; Nov. 25; Gaz. vol. 196; p. 986.
- Water-jacket. W. A. Beinke. No. 1,050,600; Jan. 14; Gaz. vol. 186; p. 473.
- Water-jacket furnace. J. A. Waddell, Jr. No. 1,063,088; May 27; Gaz. vol. 190; p. 969.
- Water-jet ejector. D. B. Morison. No. 1,076,600; Oct. 21; Gaz. vol. 195; p. 750.
- Water-level alarm, Automatic. S. Q. Saunders. No. 1,056,946; Mar. 25; Gaz. vol. 188; p. 877.
- Water-level-indicating system. A. B. Walton. No. 1,049,952; Jan. 7; Gaz. vol. 186; p. 214.
- Water-meter. F. Bangerter. No. 1,049,329; Jan. 7; Gaz. vol. 186; p. 4.
- Water-meter. D. A. Munroe. No. 1,056,438; Mar. 18; Gaz. vol. 188; p. 671.
- Water-meter. J. R. Freeman. No. 1,057,721; Apr. 1; Gaz. vol. 189; p. 111.
- Water-meter. W. H. Larrabee. No. 1,057,854; Apr. 1; Gaz. vol. 189; p. 158.
- Water-meter. G. L. Weller. No. 1,058,121; Apr. 8; Gaz. vol. 189; p. 293.
- Water-meter. F. W. Hanks. No. 1,065,939; July 1; Gaz. vol. 192; p. 11.
- Water-meter. J. F. Simmance and J. Abady. No. 1,067,491; July 15; Gaz. vol. 192; p. 614.
- Water-meter. E. Hixon and C. J. Stauber. No. 1,070,470; Aug. 19; Gaz. vol. 193; p. 546.
- Water-meter. H. C. Turner and G. W. Hamm. No. 1,071,828; Sept. 2; Gaz. vol. 194; p. 55.
- Water-meter. G. B. Bassett. No. 1,073,386; Sept. 16; Gaz. vol. 194; p. 662.
- Water-meter. G. B. Bassett. No. 1,073,387; Sept. 16; Gaz. vol. 194; p. 662.
- Water-meter. G. B. Bassett. No. 1,077,116; Oct. 28; Gaz. vol. 195; p. 981.
- Water-motor. C. Olson. No. 1,054,710; Mar. 4; Gaz. vol. 188; p. 18.
- Water-motor. G. W. Mickel. No. 1,058,776; Apr. 15; Gaz. vol. 189; p. 556.
- Water-motor. K. K. Schulz. No. 1,059,079; Apr. 15; Gaz. vol. 189; p. 663.
- Water-motor. G. S. Gillett. No. 1,061,605; May 13; Gaz. vol. 190; p. 395.
- Water-motor. H. J. Wheaton. No. 1,064,410; June 10; Gaz. vol. 191; p. 460.
- Water-motor. I. Yassenoff. No. 1,082,477; Dec. 23; Gaz. vol. 197; p. 967.
- Water-motor. H. R. Irwin. No. 1,082,634; Dec. 30; Gaz. vol. 197; p. 1058.
- Water-motor. H. R. Irwin. No. 1,082,635; Dec. 30; Gaz. vol. 197; p. 1058.
- Water of condensation, Apparatus for drawing off. K. Müller. No. 1,061,314; May 13; Gaz. vol. 190; p. 293.
- Water or gas main stop-boxes, Locking lid for. W. O. B. Matthews. No. 1,054,782; Mar. 4; Gaz. vol. 188; p. 45.

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- Water-pipe system. A. W. Lewis. No. 1,056,698; Mar. 18; Gaz. vol. 188; p. 761.
- Water-power. J. T. Ross. No. 1,049,606; Jan. 7; Gaz. vol. 186; p. 99.
- Water-power wheel. W. B. Lefler. No. 1,082,883; Dec. 30; Gaz. vol. 197; p. 1145.
- Water-pressure and fuel control, Automatic. C. E. and I. J. Bishop. No. 1,082,728; Dec. 30; Gaz. vol. 197; p. 1091.
- Water, Process and apparatus for automatically raising. G. Tiedtke. No. 1,064,567; June 10; Gaz. vol. 191; p. 513.
- Water purification. J. W. Hammett. No. 1,077,065; Oct. 28; Gaz. vol. 195; p. 967.
- Water purification. W. T. Alliger, J. W. Gamble, and G. H. Gibson. No. 1,078,655; Nov. 18; Gaz. vol. 196; p. 549.
- Water purification, Thermal. H. F. Hodges. No. 1,060,901; May 6; Gaz. vol. 190; p. 117.
- Water-purifier. V. B. Hagg. No. 1,052,440; Feb. 4; Gaz. vol. 187; p. 204.
- Water-purifier. J. Lohrmann. No. 1,063,047; May 27; Gaz. vol. 190; p. 955.
- Water-purifier, Electric. A. H. Van Pelt. No. 1,057,367; Mar. 25; Gaz. vol. 188; p. 1019.
- Water-purifier, Electric. L. A. Fitzer. No. 1,080,005; Dec. 2; Gaz. vol. 197; p. 30.
- Water-purifying apparatus. C. R. Darnall. No. 1,060,669; May 6; Gaz. vol. 190; p. 35.
- Water-purifying apparatus. S. Held. No. 1,065,246; June 17; Gaz. vol. 191; p. 772.
- Water-purifying plant. E. Steuer. No. 1,069,040; July 29; Gaz. vol. 192; p. 1216.
- Water-purifying plant. J. C. Barr. No. 1,069,368; Aug. 5; Gaz. vol. 193; p. 98.
- Water-raising wheel. J. O. McIntosh. No. 1,078,103; Nov. 11; Gaz. vol. 196; p. 328.
- Water-saving system. J. G. MacDonald and W. F. C. MacKay. No. 1,073,862; Sept. 23; Gaz. vol. 194; p. 846.
- Water-sterilizer, Automatic. L. Viger. No. 1,067,695; July 15; Gaz. vol. 192; p. 683.
- Water-supplies to taps and other fittings, Apparatus for closing. A. Barnes. No. 1,070,100; Aug. 12; Gaz. vol. 193; p. 378.
- Water-supply apparatus. T. Smith. No. 1,051,168; Jan. 21; Gaz. vol. 186; p. 702.
- Water-supply or flush tank. F. G. Wangelin. No. 1,082,056; Dec. 23; Gaz. vol. 197; p. 826.
- Water-supply system. J. O. and W. D. Gray. No. 1,070,246; Aug. 12; Gaz. vol. 193; p. 428.
- Water-supply system. T. F. Hornung. No. 1,077,473; Nov. 4; Gaz. vol. 196; p. 83.
- Water-supply system, Non-freezing. P. Hardy. No. 1,079,982; Dec. 2; Gaz. vol. 197; p. 22.
- Water tasteless and odorless, Rendering sterilized. R. Grüter. No. 1,078,918; Nov. 18; Gaz. vol. 196; p. 641.
- Water-trap. W. I. Staaf. No. 1,076,324; Oct. 21; Gaz. vol. 195; p. 652.
- Water-trap for carbid light systems. J. B. McDevitt. No. 1,077,358; Nov. 4; Gaz. vol. 196; p. 41.
- Water treating and storing apparatus. H. Giessel and C. A. Schroyer. No. 1,065,442; June 24; Gaz. vol. 191; p. 877.
- Water-treating apparatus. E. Hixon and E. S. Parker. No. 1,077,406; Nov. 4; Gaz. vol. 196; p. 59.
- Water-tube boiler. D. S. Jacobus. No. 1,051,890; Feb. 4; Gaz. vol. 187; p. 14.
- Water-tube boiler. D. S. Jacobus. No. 1,051,891; Feb. 4; Gaz. vol. 187; p. 15.
- Water-tube boiler. A. D. Pratt. No. 1,051,912; Feb. 4; Gaz. vol. 187; p. 22.
- Water-tube boiler. A. D. Pratt. No. 1,051,913; Feb. 4; Gaz. vol. 187; p. 22.
- Water-tube boiler. B. Warren. No. 1,054,726; Mar. 4; Gaz. vol. 188; p. 25.
- Water-tube boiler. J. P. Davies. No. 1,058,733; Apr. 15; Gaz. vol. 189; p. 541.
- Water-tube boiler. P. Kestner. No. 1,064,973; June 17; Gaz. vol. 191; p. 683.
- Water-tube boiler. H. B. Bradford. No. 1,069,105; Aug. 5; Gaz. vol. 193; p. 6.
- Water-tube boiler. J. E. Bell. No. 1,070,391; Aug. 19; Gaz. vol. 193; p. 519.
- Water-tube boiler. W. Schmidt. No. 1,072,174; Sept. 2; Gaz. vol. 194; p. 173.
- Water-tube boiler. E. H. Wells. No. 1,080,613; Dec. 9; Gaz. vol. 197; p. 273.
- Water-tube boiler. R. Delaunay-Belleville. No. 1,083,199; Dec. 30; Gaz. vol. 197; p. 1245.
- Water-tube boiler, Sectional. P. F. Dundon. No. 1,058,293; Apr. 8; Gaz. vol. 189; p. 352.
- Water-wheel. J. D. Ripson. No. 1,067,064; July 8; Gaz. vol. 192; p. 430.
- Water-wheel. M. A. Anderson. No. 1,067,858; July 22; Gaz. vol. 192; p. 771.
- Water-wheel. K. D. Smith. No. 1,073,824; Sept. 23; Gaz. vol. 194; p. 834.
- Water-wheel, Current. T. Symmonds. No. 1,077,318; Nov. 4; Gaz. vol. 196; p. 27.
- Watering-can. S. C. Skanks. No. 1,078,005; Nov. 11; Gaz. vol. 196; p. 294.
- Watering-tank. J. W. Nelson. No. 1,062,792; May 27; Gaz. vol. 190; p. 872.
- Watering tank, Stock-. T. B. Weller. No. 1,073,195; Sept. 16; Gaz. vol. 194; p. 593.
- Watering-trough. E. A. Backus. No. 1,065,767; June 24; Gaz. vol. 191; p. 987.
- Watering-trough. M. and B. Greenberg. No. 1,080,107; Dec. 2; Gaz. vol. 197; p. 67.
- Waterproof blanketing, felt, and the like. J. Wiesner. No. 1,058,827; Apr. 15; Gaz. vol. 189; p. 575.
- Waterproof composition. N. Fornl. No. 1,075,097; Oct. 7; Gaz. vol. 195; p. 175.
- Waterproof garments, Reinforcing seams of. S. Kaufman. No. 1,073,858; Sept. 23; Gaz. vol. 194; p. 845.
- Waterproof surfacing composition, Liquid. G. W. Magnus. No. 1,079,782; Nov. 25; Gaz. vol. 196; p. 972.
- Waterproofing, Transparent. A. C. Horn. No. 1,073,129; Sept. 16; Gaz. vol. 194; p. 571.
- Waterway, Pleasure-. J. A. Miller. No. 1,062,838; May 27; Gaz. vol. 190; p. 887.
- Wattmeter. F. Conrad. No. 1,067,311; July 15; Gaz. vol. 192; p. 553.
- Wattmeter, Induction-. G. A. Scheeffer. No. 1,082,653; Dec. 30; Gaz. vol. 197; p. 1063.
- Wattmeter, Recording-. F. F. Kinney. No. 1,060,984; May 6; Gaz. vol. 190; p. 147.
- Wattmeter, Recording-. F. F. Kinney. No. 1,061,182; May 6; Gaz. vol. 190; p. 212.
- Wave-actuated motive apparatus. T. Kurrell. H. Schneider, and L. Bukowski. No. 1,062,832; May 27; Gaz. vol. 190; p. 884.
- Wave and current motor. E. W. Fairbanks. No. 1,067,722; July 15; Gaz. vol. 192; p. 692.
- Wave-detector. J. H. Cuntz. No. 1,080,681; Dec. 9; Gaz. vol. 197; p. 295.
- Wave-meter. R. Hirsch. No. 1,064,325; June 10; Gaz. vol. 191; p. 430.
- Wave-motion motor. L. A. Trull. No. 1,078,323; Nov. 11; Gaz. vol. 196; p. 404.
- Wave-motor. S. L. Stribling. No. 1,051,974; Feb. 4; Gaz. vol. 187; p. 44.
- Wave-motor. J. Willy. No. 1,055,378; Mar. 11; Gaz. vol. 188; p. 280.
- Wave-motor. C. S. Burling. No. 1,056,319; Mar. 18; Gaz. vol. 188; p. 630.
- Wave-motor. B. C. Shipman. No. 1,057,287; Mar. 25; Gaz. vol. 188; p. 993.
- Wave-motor. J. Frame. No. 1,061,061; May 6; Gaz. vol. 190; p. 174.
- Wave-motor. J. C. Lewis. No. 1,061,091; May 6; Gaz. vol. 190; p. 182.
- Wave-motor. L. R. Agostini. No. 1,064,417; June 10; Gaz. vol. 191; p. 462.
- Wave-motor. J. Frame. No. 1,066,396; July 1; Gaz. vol. 192; p. 172.
- Wave-motor. J. Frame. No. 1,066,896; July 8; Gaz. vol. 192; p. 374.
- Wave-motor. C. E. Benson. No. 1,068,846; July 29; Gaz. vol. 192; p. 1152.
- Wave-motor. E. R. Giffhorn. No. 1,071,225; Aug. 26; Gaz. vol. 193; p. 833.
- Wave-motor. R. Tattu. No. 1,071,533; Aug. 26; Gaz. vol. 193; p. 934.
- Wave-motor. W. H. Thomas. No. 1,072,272; Sept. 2; Gaz. vol. 194; p. 203.
- Wave-motor. J. H. Henderson. No. 1,073,682; Sept. 23; Gaz. vol. 194; p. 786.
- Wave-motor. B. C. Shipman. No. 1,076,844; Oct. 28; Gaz. vol. 195; p. 888.
- Wave-motor. D. R. Olmsted. No. 1,077,156; Oct. 28; Gaz. vol. 195; p. 993.
- Wave-motor. R. A. Bemis. No. 1,077,509; Nov. 4; Gaz. vol. 196; p. 96.
- Wave-motor. L. A. Trull. No. 1,078,324; Nov. 11; Gaz. vol. 196; p. 405.
- Wave-motor. E. S. Hemmenway. No. 1,082,746; Dec. 30; Gaz. vol. 197; p. 1097.
- Wave-power, Apparatus for utilizing. A. W. Melander. No. 1,074,060; Sept. 23; Gaz. vol. 194; p. 914.
- Wave-power mechanism. J. H. Carr. No. 1,073,214; Sept. 16; Gaz. vol. 194; p. 601.
- Wax and the like, Electric heater for sealing-. H. P. Ball. No. 1,064,042; June 10; Gaz. vol. 191; p. 332.
- Wax-extracting apparatus. W. S. Watson. No. 1,058,648; Apr. 8; Gaz. vol. 189; p. 473.
- Wax from plants, Apparatus for extracting. F. Thatcher. No. 1,056,378; Mar. 18; Gaz. vol. 188; p. 649.
- Wax melting and sealing device. M. Fournier and G. H. Jackson. No. 1,075,775; Oct. 14; Gaz. vol. 195; p. 435.
- Wax-melting device. B. Bryan. No. 1,056,497; Mar. 18; Gaz. vol. 188; p. 693.
- Wax of all kinds, Purifying and bleaching. F. Richter and L. von Orth. No. 1,072,035; Sept. 2; Gaz. vol. 194; p. 125.
- Wax or like mixtures of substances which melt at different temperatures, Apparatus for sweating crude paraffin-. D. Pijzel. No. 1,070,730; Aug. 19; Gaz. vol. 193; p. 634.

Alphabetical list of inventions—Continued.

- Wax package or candle. J. F. Craven. No. 1,053,577; Feb. 18; Gaz. vol. 187; p. 671.
- Wax, Tree-. J. M. Cordray. No. 1,054,751; Mar. 4; Gaz. vol. 188; p. 34.
- Weaner, Calif.- H. James. No. 1,051,235; Jan. 21; Gaz. vol. 186; p. 723.
- Weaner, Calif.- W. P. Ellison. No. 1,072,591; Sept. 9; Gaz. vol. 194; p. 344.
- Weaner, Colt or calf. C. H. Patterson. No. 1,061,113; May 6; Gaz. vol. 190; p. 190.
- Weather-screen for motor and similar vehicles. H. S. Samuel. (Reissue.) No. 13,574; June 10; Gaz. vol. 191; p. 561.
- Weather-stop for doors, &c. I. H. Athey. No. 1,063,635; June 3; Gaz. vol. 191; p. 161.
- Weather-strip. J. D. Pierce. No. 1,049,392; Jan. 7; Gaz. vol. 186; p. 26.
- Weather-strip. L. Knott. No. 1,052,728; Feb. 11; Gaz. vol. 187; p. 332.
- Weather-strip. T. Lee. No. 1,054,218; Feb. 25; Gaz. vol. 187; p. 926.
- Weather-strip. J. Kammerer. No. 1,059,612; Apr. 22; Gaz. vol. 189; p. 880.
- Weather-strip. F. W. Baxendale. No. 1,078,531; Nov. 11; Gaz. vol. 196; p. 475.
- Weather-strip. G. C. Vachon. No. 1,082,375; Dec. 23; Gaz. vol. 197; p. 936.
- Weather-strip. F. S. Bloom. No. 1,082,675; Dec. 30; Gaz. vol. 197; p. 1073.
- Weather-strip and door-jamb, Combined. H. W. Ostrom. No. 1,053,638; Feb. 18; Gaz. vol. 187; p. 691.
- Weather-strip, Antithreshold automatic. P. M. Wickstrum. No. 1,054,158; Feb. 25; Gaz. vol. 187; p. 903.
- Weather-strip for metal window constructions. A. M. Lane. No. 1,049,373; Jan. 7; Gaz. vol. 186; p. 19.
- Weather-strip-forming machine. C. Engdahl and T. Matson. No. 1,060,897; May 6; Gaz. vol. 190; p. 116.
- Weather-strip, Metal. F. A. Wentz and A. L. Curtis. No. 1,065,569; June 24; Gaz. vol. 191; p. 920.
- Weather strip or seal for sliding window-sashes. R. W. Cross. No. 1,059,280; Apr. 15; Gaz. vol. 189; p. 731.
- Weaving. M. J. Whittall. No. 1,066,689; July 8; Gaz. vol. 192; p. 304.
- Weaving apparatus, Fabric-. E. Prein. No. 1,080,298; Dec. 2; Gaz. vol. 197; p. 133.
- Weaving-frame. F. Thomason. No. 1,071,277; Aug. 26; Gaz. vol. 193; p. 850.
- Weaving-machines, Matching device for. C. H. Collins. No. 1,053,279; Feb. 18; Gaz. vol. 187; p. 567.
- Weaving-shuttles, Mechanism for forming thread-guiding slots in. C. B. Webster. No. 1,072,196; Sept. 2; Gaz. vol. 194; p. 180.
- Web cutting and folding machine. C. T. Cundall. No. 1,072,094; Sept. 2; Gaz. vol. 194; p. 144.
- Web cutting and folding machine. C. T. Cundall. No. 1,072,316; Sept. 2; Gaz. vol. 194; p. 217.
- Web-cutting board. L. R. Roberts. No. 1,056,453; Mar. 18; Gaz. vol. 188; p. 676.
- Web-cutting machine. A. J. Cumnock. No. 1,072,829; Sept. 9; Gaz. vol. 194; p. 427.
- Web-folding machine. H. M. Barber. No. 1,059,701; Apr. 22; Gaz. vol. 189; p. 909.
- Web-replenishing machine. E. F. Hathaway and C. Lea. No. 1,075,712; Oct. 14; Gaz. vol. 195; p. 413.
- Webbing. R. A. Moore. No. 1,067,830; July 22; Gaz. vol. 192; p. 762.
- Webbing attachment. A. V. Brown. No. 1,067,302; July 15; Gaz. vol. 192; p. 550.
- Webbing-holder. A. S. Howard. No. 1,076,635; Oct. 21; Gaz. vol. 195; p. 763.
- Wedge. J. A. McDonald. No. 1,063,460; June 3; Gaz. vol. 191; p. 97.
- Wedge. H. E. Frasher. No. 1,065,122; June 17; Gaz. vol. 191; p. 731.
- Weed-cutter. A. Taylor. No. 1,054,256; Feb. 25; Gaz. vol. 187; p. 937.
- Weed-cutter. W. M. Broady. No. 1,081,658; Dec. 16; Gaz. vol. 197; p. 661.
- Weed-cutter. C. E. Jones. No. 1,081,746; Dec. 16; Gaz. vol. 197; p. 689.
- Weed-cutter. W. C. Pence. No. 1,081,985; Dec. 23; Gaz. vol. 197; p. 800.
- Weed-cutting machine. E. O. Marshall. No. 1,059,889; Apr. 22; Gaz. vol. 189; p. 969.
- Weed-destroying machine. J. R. Roe. No. 1,073,780; Sept. 23; Gaz. vol. 194; p. 820.
- Weed-exterminating device. L. H. Archard. No. 1,054,485; Feb. 25; Gaz. vol. 187; p. 1016.
- Weed-exterminator. C. Felt. No. 1,063,250; June 3; Gaz. vol. 191; p. 28.
- Weed-extracting tool. S. L. Lowrey. No. 1,065,456; June 24; Gaz. vol. 191; p. 882.
- Weed-extractor. J. D. Ellis. No. 1,061,361; May 13; Gaz. vol. 190; p. 308.
- Weed-killing train. I. F. Orton. No. 1,080,158; Dec. 2; Gaz. vol. 197; p. 84.
- Weed-puller. M. C. Hayes. No. 1,065,606; June 24; Gaz. vol. 191; p. 933.
- Weed-puller. C. N. Walton. No. 1,079,619; Nov. 25; Gaz. vol. 196; p. 913.
- Weed-puller. D. E. Nuttall. No. 1,082,547; Dec. 30; Gaz. vol. 197; p. 1026.
- Weed-pulling device. J. F. Guy and J. H. Blom. No. 1,061,175; May 6; Gaz. vol. 190; p. 210.
- Weeder. F. M. Oliver. No. 1,049,905; Jan. 7; Gaz. vol. 186; p. 199.
- Weeder. G. A. Billow. No. 1,053,148; Feb. 18; Gaz. vol. 187; p. 523.
- Weeder. W. W. Turner and J. R. Woods. No. 1,056,473; Mar. 18; Gaz. vol. 188; p. 683.
- Weeder. I. Kilborn. No. 1,068,346; July 22; Gaz. vol. 192; p. 938.
- Weeder. R. L. Benge. No. 1,082,222; Dec. 23; Gaz. vol. 197; p. 881.
- Weeder and cultivator, Combined. R. J. Manderfield. No. 1,064,149; June 10; Gaz. vol. 191; p. 370.
- Weeder and cultivator, Rotary. A. E. and H. F. Vrooman. No. 1,076,398; Oct. 21; Gaz. vol. 195; p. 678.
- Weeder and soil-pulverizer. J. S. De Long. No. 1,081,437; Dec. 16; Gaz. vol. 197; p. 589.
- Weeder, Garden-. L. Gedney. No. 1,061,237; May 6; Gaz. vol. 190; p. 231.
- Weeder, Rotary. J. K. Downie. No. 1,078,338; Nov. 11; Gaz. vol. 196; p. 409.
- Weeding implement. F. E. Van Houten. No. 1,073,188; Sept. 16; Gaz. vol. 194; p. 591.
- Weeding-machine. J. M. Shafer. No. 1,074,217; Sept. 30; Gaz. vol. 194; p. 995.
- Weeding-tool. E. Weikert. No. 1,056,614; Mar. 18; Gaz. vol. 188; p. 732.
- Weevil catcher, Boll-. E. O. Hubbard. No. 1,053,036; Feb. 11; Gaz. vol. 187; p. 438.
- Weevil cotton-squares, Machine for gathering boll-. R. E. Shaw. No. 1,068,941; July 29; Gaz. vol. 192; p. 1185.
- Weevils, Device for exterminating boll-. B. R. Richardson. No. 1,050,847; Jan. 21; Gaz. vol. 186; p. 589.
- Weft-end-controlling means for weft-replenishing mechanism. J. C. Diederichs. No. 1,053,123; Feb. 11; Gaz. vol. 187; p. 470.
- Weft grooving and beveling machine. H. Lyon. No. 1,074,726; Oct. 7; Gaz. vol. 195; p. 48.
- Weighing and feeding machine for textile fibers, Automatic. D. C. Fisher. No. 1,055,391; Mar. 11; Gaz. vol. 188; p. 284.
- Weighing and recording mechanism. G. Moore. No. 1,082,967; Dec. 30; Gaz. vol. 197; p. 1174.
- Weighing and slicing machine attachment. W. Werth. No. 1,062,065; May 20; Gaz. vol. 190; p. 587.
- Weighing and vending machine, Coin-operated. F. R. Chase and A. L. Siebenthaler. No. 1,049,342; Jan. 7; Gaz. vol. 186; p. 8.
- Weighing apparatus, Automatic. W. E. Hipkins. No. 1,066,614; July 8; Gaz. vol. 192; p. 277.
- Weighing apparatus, Automatic. E. G. Tremaine. No. 1,070,306; Aug. 12; Gaz. vol. 193; p. 449.
- Weighing apparatus, Automatic. E. G. Hedman. (Re-issue.) No. 13,609; Aug. 26; Gaz. vol. 193; p. 982.
- Weighing apparatus, Automatic. P. Edtbauer. No. 1,074,611; Oct. 7; Gaz. vol. 195; p. 8.
- Weighing apparatus for granular irregularly-running material, Counting device of automatic. M. E. Reisert. No. 1,075,379; Oct. 14; Gaz. vol. 195; p. 301.
- Weighing apparatus, Liquid-. J. Meyer. No. 1,059,553; Apr. 22; Gaz. vol. 189; p. 862.
- Weighing apparatus, Liquid-. H. B. Manby and F. H. Meunier. No. 1,069,449; Aug. 5; Gaz. vol. 193; p. 126.
- Weighing determined adjustable quantities of materials, Automatic apparatus for. I. Steiner. No. 1,075,872; Oct. 14; Gaz. vol. 195; p. 468.
- Weighing device, Automatic. J. Grimes. No. 1,079,407; Nov. 25; Gaz. vol. 196; p. 839.
- Weighing device, Automatic. A. A. Pile. No. 1,079,877; Nov. 25; Gaz. vol. 196; p. 1003.
- Weighing liquids, Mechanism for. W. I. Staaf. No. 1,082,614; Dec. 30; Gaz. vol. 197; p. 1051.
- Weighing-machine. W. W. Rosenfield. No. 1,049,535; Jan. 7; Gaz. vol. 186; p. 74.
- Weighing-machine. A. Smith and C. Southall. No. 1,059,226; Apr. 15; Gaz. vol. 189; p. 712.
- Weighing-machine. J. Dobson. No. 1,061,229; May 6; Gaz. vol. 190; p. 228.
- Weighing-machine. S. D. Kinne. No. 1,074,123; Sept. 30; Gaz. vol. 194; p. 965.
- Weighing-machine, Automatic. L. J. Suddarth. No. 1,061,338; May 13; Gaz. vol. 190; p. 301.
- Weighing-machine, Automatic. W. Clothier. No. 1,061,983; May 20; Gaz. vol. 190; p. 560.
- Weighing-machine, Automatic. H. W. Welsh. No. 1,072,541; Sept. 9; Gaz. vol. 194; p. 326.
- Weighing-machine, Automatic. E. G. Thomas. No. 1,078,971; Nov. 18; Gaz. vol. 196; p. 658.
- Weighing-machine, Automatic. B. P. Mulloy. No. 1,082,354; Dec. 23; Gaz. vol. 197; p. 930.
- Weighing machine, Can-. J. F. Perkins. No. 1,064,668; June 10; Gaz. vol. 191; p. 547.
- Weighing-machine delivery mechanism. E. S. Kneeland. No. 1,080,514; Dec. 2; Gaz. vol. 197; p. 208.
- Weighing-machine feeder, Automatic. C. D. Scott. No. 1,060,792; May 6; Gaz. vol. 190; p. 77.

Alphabetical list of inventions—Continued.

- Weighing material on conveyer-belts, Means for automatically. H. Comstock. No. 1,067,972; July 22; Gaz. vol. 192; p. 809.
- Weighing mechanism, Automatic. E. S. Anderson. No. 1,053,769; Feb. 18; Gaz. vol. 187; p. 735.
- Weight, Door-. E. Walbridge. No. 1,057,306; Mar. 25; Gaz. vol. 188; p. 999.
- Weight, Garment-. T. Kahn. No. 1,062,403; May 20; Gaz. vol. 190; p. 702.
- Weight-motor. F. Pfeifer. No. 1,050,231; Jan. 14; Gaz. vol. 186; p. 343.
- Weight-regulating apparatus, Automatic. J. P. Curry. No. 1,081,723; Dec. 16; Gaz. vol. 197; p. 682.
- Weights on molds, Means for placing. H. E. Asbury. No. 1,051,663; Jan. 28; Gaz. vol. 186; p. 902.
- Weir, Automatic. C. T. Sackett. No. 1,073,174; Sept. 16; Gaz. vol. 194; p. 586.
- Weir-gage, Automatic. G. Barzee and C. J. Wahlquist. No. 1,072,901; Sept. 9; Gaz. vol. 194; p. 454.
- Welding. D. Arkwright, Jr. No. 1,051,980; Feb. 4; Gaz. vol. 187; p. 46.
- Welding. E. Thomson. No. 1,076,467; Oct. 21; Gaz. vol. 195; p. 702.
- Welding. R. D. Thomson. No. 1,078,226; Nov. 11; Gaz. vol. 196; p. 369.
- Welding apparatus, Acetylene. G. C. Schemmel. No. 1,072,655; Sept. 9; Gaz. vol. 194; p. 365.
- Welding apparatus, Electric. C. R. Murray, L. R. Brink, and W. K. Malmstrom. No. 1,063,999; June 10; Gaz. vol. 191; p. 319.
- Welding apparatus, Electric. L. W. Chubb. No. 1,066,468; July 8; Gaz. vol. 192; p. 225.
- Welding apparatus, Electrical. J. A. Heany. No. 1,078,675; Nov. 18; Gaz. vol. 196; p. 556.
- Welding barrels, Device for. S. B. Eckert. No. 1,076,106; Oct. 21; Gaz. vol. 195; p. 577.
- Welding chain-links, Electrically. W. H. Hodges. No. 1,072,614; Sept. 9; Gaz. vol. 194; p. 351.
- Welding dissimilar metals. F. W. Rogers. No. 1,056,061; Mar. 18; Gaz. vol. 188; p. 543.
- Welding, Electric. J. O. Ellinger. No. 1,055,261; Mar. 4; Gaz. vol. 188; p. 202.
- Welding, Electric. M. Lachman. No. 1,058,243; Apr. 8; Gaz. vol. 189; p. 335.
- Welding, Electric. J. A. Heany. No. 1,061,375; May 13; Gaz. vol. 190; p. 312.
- Welding, Electric. C. R. Murray, L. R. Brink, and W. K. Malmstrom. No. 1,062,571; May 20; Gaz. vol. 190; p. 756.
- Welding, Electric. M. Lachman. No. 1,063,357; June 3; Gaz. vol. 191; p. 63.
- Welding, Electric. E. Katzinger. No. 1,064,338; June 10; Gaz. vol. 191; p. 434.
- Welding, Electric. C. H. Kicklighter. No. 1,070,966; Aug. 19; Gaz. vol. 193; p. 710.
- Welding-machine. F. A. Stevens and S. E. Bouchard. No. 1,056,850; Mar. 25; Gaz. vol. 188; p. 842.
- Welding-machine. W. R. Burrows. No. 1,063,504; June 3; Gaz. vol. 191; p. 113.
- Welding-machine. J. H. Gravell. No. 1,066,726; July 8; Gaz. vol. 192; p. 318.
- Welding-machine. J. H. Gravell. No. 1,067,478; July 15; Gaz. vol. 192; p. 609.
- Welding-machine. J. H. Gravell. No. 1,075,209; Oct. 7; Gaz. vol. 195; p. 214.
- Welding-machine. T. E. Crecelius. No. 1,076,271; Oct. 21; Gaz. vol. 195; p. 631.
- Welding-machine, Electric. C. A. Linden and C. A. Carlson. No. 1,052,491; Feb. 11; Gaz. vol. 187; p. 254.
- Welding-machine, Electric. F. Warren. (Reissue.) No. 1,3530; Feb. 11; Gaz. vol. 187; p. 480.
- Welding-machine, Electric. R. C. Pierce. No. 1,059,390; Apr. 22; Gaz. vol. 189; p. 805.
- Welding-machine, Electric. J. A. Heany. No. 1,061,378; May 13; Gaz. vol. 190; p. 313.
- Welding-machine, Electric. L. E. McKinnon and A. W. Southall. No. 1,064,078; June 10; Gaz. vol. 191; p. 345.
- Welding-machine, Electric. L. E. McKinnon. No. 1,064,079; June 10; Gaz. vol. 191; p. 345.
- Welding-machine, Electric. A. C. Taylor. No. 1,066,682; July 8; Gaz. vol. 192; p. 301.
- Welding-machine, Electric. W. C. Winfield and A. C. Taylor. No. 1,068,473; July 29; Gaz. vol. 192; p. 1020.
- Welding-machine, Electric. J. C. Swanson, C. A. Linden, and C. A. Carlson. No. 1,079,073; Nov. 18; Gaz. vol. 196; p. 696.
- Welding machine, Electric spot-. W. C. Winfield and A. C. Taylor. No. 1,063,097; May 27; Gaz. vol. 190; p. 972.
- Welding-machine timer, Electric-. J. A. Heany. No. 1,050,827; Jan. 21; Gaz. vol. 186; p. 582.
- Welding-machine work-table, Electric-. R. C. Pierce. No. 1,078,639; Nov. 18; Gaz. vol. 196; p. 544.
- Welding, Method of and apparatus for electric. E. A. Faller. No. 1,077,953; Nov. 4; Gaz. vol. 196; p. 245.
- Welding of sheet metal, Electrical. E. Thomson. No. 1,078,225; Nov. 11; Gaz. vol. 196; p. 369.
- Welding-protuberances on sheet metal and the like, Apparatus for forming. E. Katzinger. No. 1,064,339; June 10; Gaz. vol. 191; p. 434.
- Welding system, Electric. J. Beckmann. No. 1,052,030; Feb. 4; Gaz. vol. 187; p. 64.
- Welding system, Electric. J. A. Heany. No. 1,061,377; May 13; Gaz. vol. 190; p. 313.
- Welding-tool, Electric. C. A. Linden and C. A. Carlson. No. 1,052,490; Feb. 11; Gaz. vol. 187; p. 254.
- Welding wire fabrics, Machine for electrically. H. L. Smith. No. 1,069,197; Aug. 5; Gaz. vol. 193; p. 38.
- Well air-pump, Deep-. W. L. Morrow. No. 1,080,843; Dec. 9; Gaz. vol. 197; p. 355.
- Well and drainage casings, Making plates for. A. Smith. No. 1,055,675; Mar. 11; Gaz. vol. 188; p. 378.
- Well-boring apparatus. A. G. Willard and C. E. Wilcox. No. 1,064,270; June 10; Gaz. vol. 191; p. 411.
- Well-boring apparatus. R. H. Canfield. No. 1,079,836; Nov. 25; Gaz. vol. 196; p. 989.
- Well-boring apparatus, Deep-. J. H. Herman and B. J. Weger. No. 1,049,481; Jan. 7; Gaz. vol. 186; p. 55.
- Well boring, Deep-. R. Van Sickle. No. 1,065,409; June 24; Gaz. vol. 191; p. 866.
- Well-boring drill. M. T. McKee. No. 1,075,843; Oct. 14; Gaz. vol. 195; p. 459.
- Well-boring tool. A. G. Collins. No. 1,065,294; June 17; Gaz. vol. 191; p. 788.
- Well-boring tool, Contractile. A. G. Collins. No. 1,065,590; June 24; Gaz. vol. 191; p. 928.
- Well capper, Oil-. A. C. Mortensen. No. 1,050,976; Jan. 21; Gaz. vol. 186; p. 635.
- Well-casing hanger. W. M. Keck. No. 1,051,501; Jan. 28; Gaz. vol. 186; p. 847.
- Well casing-head, Oil and gas. J. T. Callanan. No. 1,072,910; Sept. 9; Gaz. vol. 194; p. 458.
- Well casing or tube perforator. P. F. Yüngling. No. 1,080,313; Dec. 2; Gaz. vol. 197; p. 138.
- Well-casing perforator. A. C. Graham. No. 1,070,336; Aug. 12; Gaz. vol. 193; p. 458.
- Well-casing plug. R. C. Baker. No. 1,078,895; Nov. 18; Gaz. vol. 196; p. 633.
- Well-casing shoe. S. A. Guiberson, Jr., and H. Mead. No. 1,062,647; May 27; Gaz. vol. 190; p. 825.
- Well-casing shoe. R. C. Baker. No. 1,078,530; Nov. 11; Gaz. vol. 196; p. 474.
- Well-casings, Driving-ring for. H. H. Maddren. No. 1,059,624; Apr. 22; Gaz. vol. 189; p. 884.
- Well-cleaning device. J. F. Kilburn. No. 1,075,261; Oct. 7; Gaz. vol. 195; p. 234.
- Well-cylinder. A. L. Ligon. No. 1,073,257; Sept. 16; Gaz. vol. 194; p. 616.
- Well-digger's cage. S. Pepper. No. 1,049,528; Jan. 7; Gaz. vol. 186; p. 71.
- Well-digger's tool. P. D. Bundy. No. 1,079,162; Nov. 18; Gaz. vol. 196; p. 727.
- Well-drill. J. M. Currell. No. 1,065,298; June 17; Gaz. vol. 191; p. 789.
- Well-drill. F. C. Baker. No. 1,071,499; Aug. 26; Gaz. vol. 193; p. 923.
- Well-drill, Electric. H. E. Diehl. No. 1,083,200; Dec. 30; Gaz. vol. 197; p. 1245.
- Well-drill wrench. W. R. Osborne and G. F. Lebus. No. 1,053,931; Feb. 18; Gaz. vol. 187; p. 789.
- Well-drill wrench. G. F. Lebus. No. 1,076,379; Oct. 21; Gaz. vol. 195; p. 671.
- Well-drilling apparatus. M. Repp. No. 1,052,847; Feb. 11; Gaz. vol. 187; p. 375.
- Well-drilling apparatus. A. C. Stewart. No. 1,062,050; May 20; Gaz. vol. 190; p. 582.
- Well-drilling apparatus. J. and M. M. Maher and T. Terry. No. 1,072,964; Sept. 9; Gaz. vol. 194; p. 477.
- Well-drilling apparatus. W. J. Travers. No. 1,076,469; Oct. 21; Gaz. vol. 195; p. 703.
- Well-drilling bit. M. A. Byron and H. W. English. No. 1,052,567; Feb. 11; Gaz. vol. 187; p. 279.
- Well-drilling gear. S. J. Mathews. No. 1,077,620; Nov. 4; Gaz. vol. 196; p. 131.
- Well-drilling machine. E. Rand. No. 1,078,064; Nov. 11; Gaz. vol. 196; p. 314.
- Well-drilling mechanism. S. N. Hall. No. 1,050,533; Jan. 14; Gaz. vol. 186; p. 450.
- Well-drilling rigs, Sand-reel for. J. A. McDonald. No. 1,055,408; Mar. 11; Gaz. vol. 188; p. 290.
- Well-drilling tool. R. Craig. No. 1,064,618; June 10; Gaz. vol. 191; p. 530.
- Well-driving apparatus. C. Le Duc. No. 1,050,668; Jan. 14; Gaz. vol. 186; p. 493.
- Well-lining. H. R. Foote. No. 1,055,264; Mar. 4; Gaz. vol. 188; p. 202.
- Well machinery. M. Hall. No. 1,083,089; Dec. 30; Gaz. vol. 197; p. 1214.
- Well mechanism. J. A. Wintroath. No. 1,079,679; Nov. 25; Gaz. vol. 196; p. 932.
- Well mechanism. P. D. Bowler and W. D. Dutton. No. 1,079,689; Nov. 25; Gaz. vol. 196; p. 936.
- Well mechanism. P. D. Bowler and W. D. Dutton. No. 1,079,690; Nov. 25; Gaz. vol. 196; p. 936.
- Well-packing. W. S. Pierce. No. 1,050,689; Jan. 14; Gaz. vol. 186; p. 499.
- Well-point, Drive. O. W. Andrews. No. 1,073,835; Sept. 23; Gaz. vol. 194; p. 838.
- Well-rod hook. W. P. Herrig. No. 1,059,608; Apr. 22; Gaz. vol. 189; p. 878.

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- Well-screen. M. E. Layne. No. 1,062,717; May 27; Gaz. vol. 190; p. 847.
- Well-sinking apparatus. M. T. Chapman. No. 1,079,396; Nov. 25; Gaz. vol. 196; p. 836.
- Well-sinking apparatus. M. T. Chapman. No. 1,079,539; Nov. 25; Gaz. vol. 196; p. 884.
- Well strainer, Driven-. A. D. Cook. No. 1,079,216; Nov. 18; Gaz. vol. 196; p. 745.
- Well, Tube-. T. A. M. Brownlie. No. 1,075,326; Oct. 14; Gaz. vol. 195; p. 281.
- Well tubes or casings, Elevator for. P. F. Yüngling. No. 1,082,786; Dec. 30; Gaz. vol. 197; p. 1112.
- Well-tubing. Automatic stop for. C. Ochs. No. 1,079,659; Nov. 25; Gaz. vol. 196; p. 926.
- Well tubing, Safety appliance for oil-. S. A. Gulberson, Jr. No. 1,050,127; Jan. 14; Gaz. vol. 186; p. 308.
- Well walking-beam, Oil-. R. Labudde. No. 1,058,987; Apr. 15; Gaz. vol. 189; p. 631.
- Wells, Apparatus for hoisting liquids from. D. D. McCall. No. 1,077,088; Oct. 28; Gaz. vol. 195; p. 973.
- Wells, Constructing and cementing. A. Smith. No. 1,050,244; Jan. 14; Gaz. vol. 186; p. 347.
- Wells, Device for removing casings from drilled. N. Beaumont. No. 1,073,839; Sept. 23; Gaz. vol. 194; p. 839.
- Wells, Increasing the productiveness of oil-. I. L. Dunn. No. 1,067,868; July 22; Gaz. vol. 192; p. 775.
- Wells, Packing-head for deep. J. E. and J. Shlery. No. 1,071,360; Aug. 26; Gaz. vol. 193; p. 878.
- Wells, Plug for oil and gas. H. L. McLaughlin. No. 1,050,557; Jan. 14; Gaz. vol. 186; p. 458.
- Wells, Removing heavy liquids and other liquidable matter from. A. S. Cooper. No. 1,057,121; Mar. 25; Gaz. vol. 188; p. 937.
- Wells, Suction device for. A. E. Putnam. No. 1,069,466; Aug. 5; Gaz. vol. 193; p. 133.
- Wells, Top packer for oil or gas. J. C. Stinson. No. 1,077,566; Nov. 4; Gaz. vol. 196; p. 114.
- Welt-attaching machine. L. A. Casgrain. No. 1,053,571; Feb. 18; Gaz. vol. 187; p. 669.
- Welt-attaching machine. J. V. Allen and F. E. Bertrand. No. 1,069,992; Aug. 12; Gaz. vol. 193; p. 340.
- Welt, Box for holding rolls of. C. P. Stanbon. No. 1,076,073; Oct. 21; Gaz. vol. 195; p. 565.
- Welt-butt-tacking machine. E. L. Keyes. No. 1,066,916; July 8; Gaz. vol. 192; p. 382.
- Welt-butt-tacking machine. E. L. Keyes. No. 1,066,917; July 8; Gaz. vol. 192; p. 382.
- Welt-controlling mechanism. W. B. King. No. 1,071,435; Aug. 26; Gaz. vol. 193; p. 902.
- Welt for footwear. J. G. Gerber. No. 1,078,043; Nov. 11; Gaz. vol. 196; p. 307.
- Welt-preparing machine. C. P. Stanbon. No. 1,060,716; May 6; Gaz. vol. 190; p. 53.
- Welt-strip. J. N. Moulton. No. 1,064,980; June 17; Gaz. vol. 191; p. 685.
- Welts or rands to stock, Machine for attaching. J. Gouldbourn and H. Hallam. No. 1,081,953; Dec. 23; Gaz. vol. 197; p. 789.
- Welting, Forming. W. B. Arnold. No. 1,059,698; Apr. 22; Gaz. vol. 189; p. 908.
- Wheat-cleaner. J. J. Ramsaur. No. 1,063,139; May 27; Gaz. vol. 190; p. 986.
- Wheat-beater, grain-drier, and conditioner. F. F. Turner. No. 1,052,390; Feb. 4; Gaz. vol. 187; p. 186.
- Wheat-tempering device. F. F. Bond. No. 1,070,872; Aug. 19; Gaz. vol. 193; p. 680.
- Wheel: See Abrading-wheel; Abrasive wheel; Automobile-wheel; Automobile and other vehicle wheel; Auxiliary wheel; Banding-wheel; Blower-wheel; Car-wheel; Car and other vehicle wheel; Caster-wheel; Counting-wheel; Cushion-wheel; Cushion-tired wheel; Cushioned wheel; Demountable wheel; Driving-wheel; Elastic wheel; Fifth-wheel; Fly-wheel; Gear-wheel; Grinding-wheel; Hand-wheel; Knockdown wheel; Locomotive driving-wheel; Magnetic wheel; Measuring-wheel; Metal wheel; Metallic wheel; Meter-wheel; Motor-wheel; Platform-wheel; Plow-wheel; Plow-motor guide-wheel; Pneumatic wheel; Polishing-wheel; Power-wheel; Power-transmission wheel; Resilient wheel; Resilient and suspension wheel; Road-wheel; Self-lubricating wheel; Sheet-metal wheel; Spring-wheel; Spring and pneumatic wheel; Spring-hub wheel; Sprocket-wheel; Steering-wheel; Traction-wheel; Trolley-wheel; Turbine-wheel; Vehicle-wheel; Vehicle and like wheel; Vehicle driving-wheel; Vehicle pneumatic wheel; Vehicle resilient wheel; Water-wheel; Water-power wheel; Water-raising wheel; Wind-wheel.
- Wheel. J. L. La Driere. No. 1,049,497; Jan. 7; Gaz. vol. 186; p. 60.
- Wheel. H. O. Shockley. No. 1,050,858; Jan. 21; Gaz. vol. 186; p. 594.
- Wheel. L. H. Perlman. No. 1,052,270; Feb. 4; Gaz. vol. 187; p. 147.
- Wheel. B. Smartt. No. 1,052,290; Feb. 4; Gaz. vol. 187; p. 153.
- Wheel. G. L. Bourquin. No. 1,053,778; Feb. 18; Gaz. vol. 187; p. 738.
- Wheel. J. A. Lowe. No. 1,056,107; Mar. 18; Gaz. vol. 188; p. 560.
- Wheel. T. B. Jeffery. No. 1,056,279; Mar. 18; Gaz. vol. 188; p. 617.
- Wheel. C. L. Tomlinson. No. 1,057,300; Mar. 25; Gaz. vol. 188; p. 997.
- Wheel. C. E. Wade and C. J. Lagerwall. No. 1,057,902; Apr. 1; Gaz. vol. 189; p. 173.
- Wheel. J. Rabbers. No. 1,058,332; Apr. 8; Gaz. vol. 189; p. 367.
- Wheel. A. C. Lambe. No. 1,058,764; Apr. 15; Gaz. vol. 189; p. 551.
- Wheel. M. B. Okun. No. 1,058,998; Apr. 15; Gaz. vol. 189; p. 634.
- Wheel. J. E. Strietelmeier. No. 1,059,009; Apr. 15; Gaz. vol. 189; p. 639.
- Wheel. F. T. Kerns. No. 1,060,460; Apr. 29; Gaz. vol. 189; p. 1210.
- Wheel. W. C. Fownes, Jr., and F. Hofwing. No. 1,060,835; May 6; Gaz. vol. 190; p. 93.
- Wheel. C. E. Foust. No. 1,061,603; May 13; Gaz. vol. 190; p. 394.
- Wheel. S. Kaye. No. 1,062,472; May 20; Gaz. vol. 190; p. 724.
- Wheel. S. Brown. No. 1,063,771; June 3; Gaz. vol. 191; p. 208.
- Wheel. J. E. Muhlfeld. No. 1,064,156; June 10; Gaz. vol. 191; p. 373.
- Wheel. T. B. Jeffery. No. 1,067,430; July 15; Gaz. vol. 192; p. 593.
- Wheel. W. H. Dean. No. 1,068,572; July 29; Gaz. vol. 192; p. 1053.
- Wheel. K. Jasiecki. No. 1,068,590; July 29; Gaz. vol. 192; p. 1060.
- Wheel. B. B. Hardin. No. 1,071,314; Aug. 26; Gaz. vol. 193; p. 862.
- Wheel. S. Brown. No. 1,072,305; Sept. 2; Gaz. vol. 194; p. 214.
- Wheel. T. L. Cook. No. 1,075,241; Oct. 7; Gaz. vol. 195; p. 225.
- Wheel. K. Knudsen. No. 1,075,655; Oct. 14; Gaz. vol. 195; p. 395.
- Wheel. W. E. Babbitt. No. 1,076,735; Oct. 28; Gaz. vol. 195; p. 850.
- Wheel. M. D. Price. No. 1,078,461; Nov. 11; Gaz. vol. 196; p. 452.
- Wheel. C. W. Bell and S. P. Hillwig. No. 1,079,828; Nov. 25; Gaz. vol. 196; p. 986.
- Wheel. J. W. Collinworth. No. 1,082,151; Dec. 23; Gaz. vol. 197; p. 856.
- Wheel. F. W. Leib. No. 1,082,600; Dec. 30; Gaz. vol. 197; p. 1045.
- Wheel. C. D. Wines. No. 1,082,668; Dec. 30; Gaz. vol. 197; p. 1070.
- Wheel and method of and apparatus for making the same. J. Slattery. No. 1,079,030; Nov. 18; Gaz. vol. 196; p. 682.
- Wheel attachment. T. Townend. No. 1,062,618; May 27; Gaz. vol. 190; p. 815.
- Wheel attachment. J. Newhouse. No. 1,082,897; Dec. 30; Gaz. vol. 197; p. 1150.
- Wheel-brake, Automobile. R. H. White. No. 1,078,976; Nov. 18; Gaz. vol. 196; p. 660.
- Wheel brake, Vehicle front-. J. H. Campbell. No. 1,073,590; Sept. 23; Gaz. vol. 194; p. 753.
- Wheel-changing apparatus. E. M. Moller. No. 1,058,251; Apr. 8; Gaz. vol. 189; p. 337.
- Wheel-fender. M. Van Gelder. No. 1,050,405; Jan. 14; Gaz. vol. 186; p. 403.
- Wheel-flange-lubricating apparatus, Vehicle. J. E. Feeney. No. 1,060,174; Apr. 29; Gaz. vol. 189; p. 1109.
- Wheel-flange lubricator. J. H. Miner. No. 1,050,159; Jan. 14; Gaz. vol. 186; p. 319.
- Wheel-flange lubricator. W. L. Day and B. F. Williams. No. 1,069,926; Aug. 12; Gaz. vol. 193; p. 319.
- Wheel-guard. R. C. Eulberg. No. 1,069,934; Aug. 12; Gaz. vol. 193; p. 321.
- Wheel-guard for deflecting objects from the track. W. C. Curran. No. 1,073,743; Sept. 23; Gaz. vol. 194; p. 808.
- Wheel-locking device. C. L. Bowers. No. 1,049,984; Jan. 7; Gaz. vol. 186; p. 224.
- Wheel-lubricator, Vehicle. L. D'amours. No. 1,075,551; Oct. 14; Gaz. vol. 195; p. 360.
- Wheel mounting, Traction-. A. Kuehn. No. 1,063,978; June 10; Gaz. vol. 191; p. 310.
- Wheel-press. H. A. Jensenius. No. 1,054,557; Feb. 25; Gaz. vol. 187; p. 1039.
- Wheel rail-clamp. W. Bodette. No. 1,060,529; Apr. 29; Gaz. vol. 189; p. 1234.
- Wheel-rim. G. A. Distelhorst. No. 1,050,624; Jan. 14; Gaz. vol. 186; p. 480.
- Wheel-rim. F. R. Barker. No. 1,055,696; Mar. 11; Gaz. vol. 188; p. 386.
- Wheel rim and tire, Vehicle. J. A. Cooper. No. 1,053,141; Feb. 11; Gaz. vol. 187; p. 476.
- Wheel-rim, Detachable vehicle. A. Schick. No. 1,076,238; Oct. 21; Gaz. vol. 195; p. 621.
- Wheel-rim for pneumatic tires. E. K. Baker. No. 1,053,347; Feb. 18; Gaz. vol. 187; p. 591.

Alphabetical list of inventions—Continued.

- Wheel-rim sections, Die for forming. L. M. and S. D. Chancellor. No. 1,069,919; Aug. 12; Gaz. vol. 193; p. 316.
- Wheel-rim, Vehicle. A. W. Livingston. No. 1,049,378; Jan. 7; Gaz. vol. 186; p. 20.
- Wheel-rim, Vehicle. E. C. Shaw. No. 1,055,496; Mar. 11; Gaz. vol. 188; p. 320.
- Wheel-rim, Vehicle. E. C. Shaw. No. 1,059,575; Apr. 22; Gaz. vol. 189; p. 869.
- Wheel-rim, Vehicle. E. C. Shaw. No. 1,060,290; Apr. 29; Gaz. vol. 189; p. 1151.
- Wheel-rim, Vehicle. J. H. Wagenhorst. No. 1,063,480; June 3; Gaz. vol. 191; p. 104.
- Wheel-rim, Vehicle. R. W. Funk. No. 1,064,066; June 10; Gaz. vol. 191; p. 341.
- Wheel-rim, Vehicle. E. C. Shaw. No. 1,077,233; Oct. 28; Gaz. vol. 195; p. 1019.
- Wheel-rim, Vehicle demountable. J. Rosenbaum. No. 1,059,765; Apr. 22; Gaz. vol. 189; p. 930.
- Wheel-rim, Vehicle demountable. J. W. Broderick. No. 1,063,648; June 3; Gaz. vol. 191; p. 166.
- Wheel-runner. G. E. Heiney. No. 1,066,009; July 1; Gaz. vol. 192; p. 37.
- Wheel-runner, Vehicle. E. Rogers. No. 1,062,360; May 20; Gaz. vol. 190; p. 688.
- Wheel-scotch. H. F. Holworthy. No. 1,082,807; Dec. 30; Gaz. vol. 197; p. 1118.
- Wheel scraper, Four-. B. A. Watt. No. 1,056,611; Mar. 18; Gaz. vol. 188; p. 731.
- Wheel-stand. J. D. Smith. No. 1,069,824; Aug. 12; Gaz. vol. 193; p. 283.
- Wheel structure. R. Macrae. No. 1,075,717; Oct. 14; Gaz. vol. 195; p. 415.
- Wheel traction device, Vehicle-. G. J. Walter. No. 1,053,893; Feb. 18; Gaz. vol. 187; p. 775.
- Wheel-tread. W. S. Morton. No. 1,056,571; Mar. 18; Gaz. vol. 188; p. 719.
- Wheel-truing device. W. Heller. No. 1,073,042; Sept. 9; Gaz. vol. 194; p. 503.
- Wheel with multiple and balanced rims. H. Lotte. No. 1,076,591; Oct. 21; Gaz. vol. 195; p. 747.
- Wheel-wrench, Vehicle. F. Mingus. No. 1,049,897; Jan. 7; Gaz. vol. 186; p. 196.
- Wheels, Cutting helical gear-. E. J. Lees. No. 1,082,533; Dec. 30; Gaz. vol. 197; p. 1020.
- Wheels, Demountable rim and tire-fastener for. C. F. Burkhardt. No. 1,051,079; Jan. 21; Gaz. vol. 186; p. 671.
- Wheels, Demountable rim for resilient. S. A. Currin. No. 1,054,679; Mar. 4; Gaz. vol. 188; p. 9.
- Wheels from holes, Device for extracting traction-. S., F., and L. H. F. Rohe. No. 1,067,940; July 22; Gaz. vol. 192; p. 798.
- Wheels from sliding, Safety device to keep. J. A. Gruber. No. 1,061,369; May 13; Gaz. vol. 190; p. 311.
- Wheels, Lock for motor-vehicle steering-. L. E. Landes. No. 1,055,923; Mar. 11; Gaz. vol. 188; p. 461.
- Wheels, Making. W. C. and J. W. Johnson. No. 1,066,431; July 1; Gaz. vol. 192; p. 182.
- Wheels, Mud-lug for traction-. R. Schwesinger. No. 1,066,956; July 8; Gaz. vol. 192; p. 395.
- Wheels, Resilient mounting for. H. W. Bowman. No. 1,065,207; June 17; Gaz. vol. 191; p. 758.
- Wheels, Separable rim for automobile-. W. M. Wirth. No. 1,076,730; Oct. 28; Gaz. vol. 195; p. 849.
- Wheels, Spring-rim for. W. A. Langjahr. No. 1,063,359; June 3; Gaz. vol. 191; p. 64.
- Wheels, tires, and the like, Stand or support for spare. C. G. and G. T. Hilton and T. Main. No. 1,071,553; Aug. 26; Gaz. vol. 193; p. 941.
- Wheels to shafts, Means for attaching. J. Whipp. No. 1,050,190; Jan. 14; Gaz. vol. 186; p. 329.
- Wheels, Tread-band for pneumatic-tire. J. McLeod. No. 1,053,847; Feb. 18; Gaz. vol. 187; p. 760.
- Wheeled chair, Gardener's. I. M. Peter. No. 1,061,114; May 6; Gaz. vol. 190; p. 190.
- Wheeling and edge-setting machine. L. W. G. Flynt. No. 1,080,961; Dec. 9; Gaz. vol. 197; p. 394.
- Wheelbarrow. E. B. Peirce. No. 1,052,953; Feb. 11; Gaz. vol. 187; p. 412.
- Wheelbarrow. D. H. Brand. No. 1,063,112; May 27; Gaz. vol. 190; p. 977.
- Wheelbarrow. G. A. Tyler. No. 1,070,308; Aug. 12; Gaz. vol. 193; p. 450.
- Wheelbarrow, Self-dumping. T. L. Dirksen. No. 1,071,717; Sept. 2; Gaz. vol. 194; p. 16.
- Whiffletree. T. F. Cody. No. 1,053,011; Feb. 11; Gaz. vol. 187; p. 430.
- Whiffletree. I. L. Bennet. No. 1,053,773; Feb. 18; Gaz. vol. 187; p. 736.
- Whiffletree. C. M. Harris. No. 1,057,148; Mar. 25; Gaz. vol. 188; p. 947.
- Whiffletree. G. Culli. No. 1,061,166; May 6; Gaz. vol. 190; p. 206.
- Whiffletree. B. F. Cummings. No. 1,076,352; Oct. 21; Gaz. vol. 195; p. 662.
- Whiffletree. F. W. Webster. No. 1,081,353; Dec. 16; Gaz. vol. 197; p. 562.
- Whiffletree and coupling therefor. D. M. Smith. No. 1,066,441; July 1; Gaz. vol. 192; p. 186.
- Whiffletree and trace-fastener, Combined. P. M. Lossing. No. 1,066,634; July 8; Gaz. vol. 192; p. 285.
- Whiffletree-guard. M. E. Bates and D. H. Nothdurft. No. 1,052,305; Feb. 4; Gaz. vol. 187; p. 157.
- Whiffletree-hook. A. L. Sessions. No. 1,053,541; Feb. 18; Gaz. vol. 187; p. 658.
- Whiffletree-hook. P. Johnson. No. 1,061,545; May 13; Gaz. vol. 190; p. 374.
- Whiffletree-hook. H. C. Colglazier. No. 1,078,418; Nov. 11; Gaz. vol. 196; p. 439.
- Whiffletree-hook. O. B. Haga. No. 1,078,434; Nov. 11; Gaz. vol. 196; p. 444.
- Whiffletree hook and ferrule, Combined. M. E. Gross. No. 1,079,236; Nov. 18; Gaz. vol. 196; p. 751.
- Whip-lock. J. E. Griswold. No. 1,051,732; Jan. 28; Gaz. vol. 186; p. 924.
- Whip-operating device. F. C. Speer. No. 1,059,779; Apr. 22; Gaz. vol. 189; p. 935.
- Whip, rein, and lap-robe lock for vehicles, Combined. O. W. Wilde. No. 1,079,530; Nov. 25; Gaz. vol. 196; p. 881.
- Whip-socket. S. A. Lesko. No. 1,057,858; Apr. 1; Gaz. vol. 189; p. 159.
- Whip-socket. C. T. Funk. No. 1,066,485; July 8; Gaz. vol. 192; p. 231.
- Whip-socket. W. F. Skeen and H. L. McNicol. No. 1,078,006; Nov. 11; Gaz. vol. 196; p. 294.
- Whip-socket. C. Mann. No. 1,082,888; Dec. 30; Gaz. vol. 197; p. 1147.
- Whip-socket lock. J. M. Conway. No. 1,054,340; Feb. 25; Gaz. vol. 187; p. 966.
- Whip-socket, Locking. G. O. Wood. No. 1,051,532; Jan. 28; Gaz. vol. 186; p. 858.
- Whip-socket, Self-locking. C. R. Dinges. No. 1,073,967; Sept. 23; Gaz. vol. 194; p. 884.
- Whipping device. W. M. Shearer. No. 1,050,241; Jan. 14; Gaz. vol. 186; p. 346.
- Whirligig. F. A. S. Money. No. 1,051,966; Feb. 4; Gaz. vol. 187; p. 42.
- Whirligig. J. T. Loomis. No. 1,059,886; Apr. 22; Gaz. vol. 189; p. 968.
- Whisk, Two-part. S. G. Wilson. No. 1,067,292; July 15; Gaz. vol. 192; p. 546.
- Whistle. J. J. Rieder. No. 1,054,793; Mar. 4; Gaz. vol. 188; p. 48.
- Whistle. H. Ellison. No. 1,056,782; Mar. 25; Gaz. vol. 188; p. 821.
- Whistle-blowing apparatus. F. W. Cole. No. 1,050,053; Jan. 7; Gaz. vol. 186; p. 249.
- Whistle, Chime-. A. Cameron. No. 1,053,275; Feb. 18; Gaz. vol. 187; p. 566.
- Wick, Lamp-. W. R. Arnold. No. 1,073,015; Sept. 9; Gaz. vol. 194; p. 495.
- Wick raising and lowering device. H. Jungjohann. No. 1,074,868; Oct. 7; Gaz. vol. 195; p. 95.
- Wick-trimming device, Lamp-. A. G. Duncan. No. 1,050,928; Jan. 21; Gaz. vol. 186; p. 620.
- Winch. D. Jacques. No. 1,059,998; Apr. 29; Gaz. vol. 189; p. 1050.
- Wind and stringed instrument, Combined. M. H. Mattes. No. 1,070,974; Aug. 19; Gaz. vol. 193; p. 713.
- Wind-deflector. H. L. Van Zile. No. 1,071,280; Aug. 26; Gaz. vol. 193; p. 850.
- Wind-gage. J. Lamant. No. 1,060,463; Apr. 29; Gaz. vol. 189; p. 1211.
- Wind-indicator. G. W. Ricketts. No. 1,068,169; July 22; Gaz. vol. 192; p. 876.
- Wind-motor. J. M. Cull. No. 1,059,929; Apr. 22; Gaz. vol. 189; p. 983.
- Wind-screen, particularly for motor-vehicles. R. E. Rothe. No. 1,070,539; Aug. 19; Gaz. vol. 193; p. 571.
- Wind-shield. J. M. McQuillan. No. 1,052,078; Feb. 4; Gaz. vol. 187; p. 81.
- Wind-shield. I. G. McQuillan. No. 1,055,346; Mar. 11; Gaz. vol. 188; p. 369.
- Wind-shield. I. G. McQuillan. No. 1,057,570; Apr. 1; Gaz. vol. 189; p. 60.
- Wind-shield. H. H. White. No. 1,059,017; Apr. 15; Gaz. vol. 189; p. 642.
- Wind-shield. E. J. Beseman. No. 1,064,043; June 10; Gaz. vol. 191; p. 333.
- Wind-shield. P. J. Bernard and J. Boyle. No. 1,075,754; Oct. 14; Gaz. vol. 195; p. 428.
- Wind-shield. F. A. Lawton. No. 1,083,108; Dec. 30; Gaz. vol. 197; p. 1219.
- Wind-shield for mowing-machines. P. M. Norquest. No. 1,065,963; July 1; Gaz. vol. 192; p. 21.
- Wind-shield lock-joint. J. F. Curry. No. 1,074,839; Oct. 7; Gaz. vol. 195; p. 85.
- Wind-shield lock-joint. A. Krah. No. 1,074,958; Oct. 7; Gaz. vol. 195; p. 125.
- Wind-shield, Portable. P. J. Bernard. No. 1,064,430; June 10; Gaz. vol. 191; p. 467.
- Wind-shield tube. D. B. Lee. No. 1,082,031; Dec. 23; Gaz. vol. 197; p. 817.
- Wind-wheel. J. H. Engberg. No. 1,066,803; July 8; Gaz. vol. 192; p. 343.
- Wind-wheel or propeller. W. R. Martin. No. 1,078,157; Nov. 11; Gaz. vol. 196; p. 345.

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- Windmill. J. W. Bennett. No. 1,055,858; Mar. 11; Gaz. vol. 188; p. 440.
- Windmill. R. L. Neal and R. A. Roberson. No. 1,055,942; Mar. 11; Gaz. vol. 188; p. 468.
- Windmill. J. J. Houston. No. 1,063,973; June 10; Gaz. vol. 191; p. 308.
- Windmill. W. P. Brett. No. 1,067,970; July 22; Gaz. vol. 192; p. 808.
- Windmill. J. Partain. No. 1,074,011; Sept. 23; Gaz. vol. 194; p. 898.
- Windmill. J. O'Toole. No. 1,075,060; Oct. 7; Gaz. vol. 195; p. 163.
- Windmill. J. Serramoglia and E. Middleton. No. 1,075,994; Oct. 14; Gaz. vol. 195; p. 511.
- Windmill attachment. H. P. Kay. No. 1,054,921; Mar. 4; Gaz. vol. 188; p. 91.
- Windmill attachment. L. R. Burleson. No. 1,066,249; July 1; Gaz. vol. 192; p. 124.
- Windmill attachment. S. W. Vaught. No. 1,076,251; Oct. 21; Gaz. vol. 195; p. 625.
- Windmill-controlling mechanism. J. F. Smith. No. 1,056,598; Mar. 18; Gaz. vol. 188; p. 728.
- Windmill-coupling. A. A. Yates. No. 1,064,584; June 10; Gaz. vol. 191; p. 519.
- Windmill-coupling. A. B. Swift. No. 1,070,205; Aug. 12; Gaz. vol. 193; p. 414.
- Windmill-lubricator. S. E. Burke. No. 1,058,544; Apr. 8; Gaz. vol. 189; p. 440.
- Windmill-regulator. A. Ugstad. No. 1,062,621; May 27; Gaz. vol. 190; p. 816.
- Windmill transmission mechanism. S. Harrell. No. 1,055,037; Mar. 4; Gaz. vol. 188; p. 131.
- Winding apparatus. J. G. P. Thomas. No. 1,076,614; Oct. 21; Gaz. vol. 195; p. 755.
- Winding drum, Thread-. E. Boos. No. 1,052,125; Feb. 4; Gaz. vol. 187; p. 97.
- Winding drum, Thread-. E. Boos. No. 1,052,212; Feb. 4; Gaz. vol. 187; p. 128.
- Winding-machine. E. R. Phillips. No. 1,061,947; May 13; Gaz. vol. 190; p. 507.
- Winding-machine. C. Ryden. No. 1,062,420; May 20; Gaz. vol. 190; p. 707.
- Winding-machine. C. Ryden and F. D. Babcock. No. 1,062,930; May 27; Gaz. vol. 190; p. 918.
- Winding-machine. J. O. McKean. No. 1,063,992; June 10; Gaz. vol. 191; p. 316.
- Winding-machine. W. J. Barrett. No. 1,067,235; July 15; Gaz. vol. 192; p. 526.
- Winding-machine. A. D. Scott. No. 1,068,825; July 29; Gaz. vol. 192; p. 1144.
- Winding-machine. J. Mackie. No. 1,071,248; Aug. 26; Gaz. vol. 193; p. 840.
- Winding-machine. M. Pepling. No. 1,072,157; Sept. 2; Gaz. vol. 194; p. 168.
- Winding-machine. A. I. Harvey and C. Ryden. No. 1,076,574; Oct. 21; Gaz. vol. 195; p. 741.
- Winding-machine. H. M. Sprecher. No. 1,076,920; Oct. 28; Gaz. vol. 195; p. 916.
- Winding-machine. A. Petersen. No. 1,081,986; Dec. 23; Gaz. vol. 197; p. 800.
- Winding machine, Automatic magnet-. E. R. Phillips. No. 1,057,008; Mar. 25; Gaz. vol. 188; p. 898.
- Winding machine, Cloth-. D. Gessner. No. 1,051,399; Jan. 28; Gaz. vol. 186; p. 812.
- Winding machine, Cloth-. E. A. McMillin. No. 1,055,409; Mar. 11; Gaz. vol. 188; p. 290.
- Winding machine, Cop-. J. Hunz. No. 1,061,542; May 13; Gaz. vol. 190; p. 373.
- Winding machine, Cop-. J. Hunz. No. 1,061,543; May 13; Gaz. vol. 190; p. 374.
- Winding machine, Cop or bobbin. E. H. Ryon. No. 1,061,013; May 6; Gaz. vol. 190; p. 157.
- Winding-machine driving mechanism. G. Sipp. No. 1,066,853; July 8; Gaz. vol. 192; p. 359.
- Winding machine, Fabric-. O. I. Judelson. No. 1,064,337; June 10; Gaz. vol. 191; p. 433.
- Winding machine, Fabric-. D. Bain. No. 1,073,946; Sept. 23; Gaz. vol. 194; p. 877.
- Winding-machine for artificial threads. J. Manquat. No. 1,067,534; July 15; Gaz. vol. 192; p. 628.
- Winding-machine for cotton and other textile threads. E. Fougereol. No. 1,056,899; Mar. 25; Gaz. vol. 188; p. 860.
- Winding-machine for yarn and thread. T. A. Boyd. No. 1,062,562; May 20; Gaz. vol. 190; p. 753.
- Winding machine, Thread-. G. E. Allen. No. 1,067,574; July 15; Gaz. vol. 192; p. 641.
- Winding machines, Automatic brake mechanism for spool-. A. Sundh. No. 1,077,375; Nov. 4; Gaz. vol. 196; p. 47.
- Winding-machines, &c., Traverse mechanism for. G. W. Foster. No. 1,075,286; Oct. 7; Gaz. vol. 195; p. 243.
- Winding mechanism. F. W. Hempelmann. No. 1,055,276; Mar. 4; Gaz. vol. 188; p. 206.
- Winding mechanism. H. F. Whalton and J. R. Stowers. No. 1,066,237; July 1; Gaz. vol. 192; p. 119.
- Winding mechanism, Sheet-. P. J. Dreher. No. 1,072,411; Sept. 2; Gaz. vol. 194; p. 253.
- Winding yarn on bobbins, Traverse-motion for. E. H. Ryon. No. 1,051,919; Feb. 4; Gaz. vol. 187; p. 25.
- Windlass. W. A. Samuell. No. 1,051,272; Jan. 21; Gaz. vol. 186; p. 735.
- Window. F. J. Gruhl. No. 1,052,335; Feb. 4; Gaz. vol. 187; p. 167.
- Window. R. Henderson. No. 1,054,116; Feb. 25; Gaz. vol. 187; p. 888.
- Window. E. J. Morgan. No. 1,055,209; Mar. 4; Gaz. vol. 188; p. 185.
- Window. W. R. Phillips. No. 1,062,794; May 27; Gaz. vol. 190; p. 872.
- Window. A. H. Newpher. No. 1,067,265; July 15; Gaz. vol. 192; p. 536.
- Window. H. A. and F. M. Banger. No. 1,072,071; Sept. 2; Gaz. vol. 194; p. 137.
- Window. A. C. Soule. No. 1,072,669; Sept. 9; Gaz. vol. 194; p. 370.
- Window. C. F. Schneider and J. Hayman. No. 1,073,637; Sept. 23; Gaz. vol. 194; p. 769.
- Window. T. Schulz. No. 1,073,638; Sept. 23; Gaz. vol. 194; p. 770.
- Window. J. M. Campana. No. 1,073,956; Sept. 23; Gaz. vol. 194; p. 880.
- Window. A. R. Le Grue. No. 1,075,833; Oct. 14; Gaz. vol. 195; p. 456.
- Window. C. A. Johnson. No. 1,076,767; Oct. 28; Gaz. vol. 195; p. 861.
- Window. E. F. Chaffee. No. 1,077,039; Oct. 28; Gaz. vol. 195; p. 958.
- Window. O. M. Edwards. No. 1,077,875; Nov. 4; Gaz. vol. 196; p. 217.
- Window. H. Veiser. No. 1,079,525; Nov. 25; Gaz. vol. 196; p. 879.
- Window. D. A. Davison. No. 1,081,893; Dec. 16; Gaz. vol. 197; p. 740.
- Window-adjuster. W. B. Griffin. No. 1,058,050; Apr. 8; Gaz. vol. 189; p. 267.
- Window and door, Metallic. A. L. Lambert. No. 1,074,631; Oct. 7; Gaz. vol. 195; p. 15.
- Window and door screen. C. H. Zimmerman. No. 1,074,153; Sept. 30; Gaz. vol. 194; p. 974.
- Window attachment, Storm-. F. W. Shupert and W. J. Leighty. No. 1,063,610; June 3; Gaz. vol. 191; p. 152.
- Window-box, Removable. H. Greene. No. 1,069,412; Aug. 5; Gaz. vol. 193; p. 114.
- Window-catch. M. C. Stover. No. 1,065,743; June 24; Gaz. vol. 191; p. 979.
- Window chair and step. A. Richter. No. 1,070,181; Aug. 12; Gaz. vol. 193; p. 406.
- Window-chair, Safety. C. E. Brown. No. 1,068,974; July 29; Gaz. vol. 192; p. 1195.
- Window-cleaner. C. G. Talbot and H. Cupples, Jr. No. 1,054,053; Feb. 25; Gaz. vol. 187; p. 868.
- Window-cleaner. A. J. Adams. No. 1,054,481; Feb. 25; Gaz. vol. 187; p. 1015.
- Window-cleaner. W. Jones. No. 1,055,918; Mar. 11; Gaz. vol. 188; p. 459.
- Window-cleaner. T. K. Berntson. No. 1,060,310; Apr. 29; Gaz. vol. 189; p. 1158.
- Window-cleaner. H. K. Parke. No. 1,061,112; May 6; Gaz. vol. 190; p. 189.
- Window-cleaner. C. F. Conant. No. 1,062,322; May 20; Gaz. vol. 190; p. 676.
- Window-cleaner. S. J. Jones. No. 1,065,812; June 24; Gaz. vol. 191; p. 1001.
- Window-cleaner. W. H. Ford. No. 1,077,402; Nov. 4; Gaz. vol. 196; p. 58.
- Window-cleaner. F. J. Steinhauser. No. 1,081,004; Dec. 9; Gaz. vol. 197; p. 408.
- Window cleaner, Car-. J. W. Ruben. No. 1,081,000; Dec. 9; Gaz. vol. 197; p. 406.
- Window-cleaning attachment for automobile wind-shields and the like. V. T. Houghton. No. 1,075,915; Oct. 14; Gaz. vol. 195; p. 484.
- Window-cleaning device. H. C. Woodstrom and C. T. Hastedt. No. 1,052,637; Feb. 11; Gaz. vol. 187; p. 303.
- Window-cleaning device. C. L. Robinson. No. 1,054,621; Feb. 25; Gaz. vol. 187; p. 1061.
- Window-cleaning device. G. H. Henkel. No. 1,065,525; June 24; Gaz. vol. 191; p. 905.
- Window-cleaning device. P. Alsberg. No. 1,068,202; July 22; Gaz. vol. 192; p. 887.
- Window-cleaning device. A. Frankhauser. No. 1,070,676; Aug. 19; Gaz. vol. 193; p. 617.
- Window-cleaning device. E. U. Daines. No. 1,072,832; Sept. 9; Gaz. vol. 194; p. 428.
- Window-cleaning device. H. F. Stubenrauch. No. 1,077,651; Nov. 4; Gaz. vol. 196; p. 142.
- Window construction. B. S. McClellan. No. 1,051,146; Jan. 21; Gaz. vol. 186; p. 694.
- Window construction. G. H. Forsyth. No. 1,063,346; June 3; Gaz. vol. 191; p. 60.
- Window construction, Metal. G. H. Forsyth. No. 1,053,589; Feb. 18; Gaz. vol. 187; p. 675.
- Window, Counterbalanced. J. S. Doyle. No. 1,076,753; Oct. 28; Gaz. vol. 195; p. 857.
- Window-fastener. C. G. Mayer, Jr., and C. E. Stilwell. No. 1,066,415; July 1; Gaz. vol. 192; p. 178.
- Window-fastener. W. A. Ray. No. 1,071,574; Aug. 26; Gaz. vol. 193; p. 948.
- Window fastener, Casement-. C. L. Jackson and L. G. Lienhard. No. 1,069,429; Aug. 5; Gaz. vol. 193; p. 120.

Alphabetical list of inventions—Continued.

- Window-fitting for canvas-covered buildings, &c., Flexible. R. L. Kenyon. No. 1,068,503; July 29; Gaz. vol. 192; p. 1030.
- Window-frame. R. W. Holland. No. 1,053,129; Feb. 11; Gaz. vol. 187; p. 472.
- Window-frame. G. L. Gearing. No. 1,066,486; July 8; Gaz. vol. 192; p. 232.
- Window-frame. S. L. Markham. No. 1,068,149; July 22; Gaz. vol. 192; p. 869.
- Window-frame. F. E. Frisbee. No. 1,076,567; Oct. 21; Gaz. vol. 195; p. 738.
- Window frame and sash. Metal. A. J. Connell and J. W. Rapp. No. 1,056,973; Mar. 25; Gaz. vol. 188; p. 886.
- Window frame, Shop-. M. Freud. No. 1,066,806; July 8; Gaz. vol. 192; p. 344.
- Window-furnishing. C. C. Vosburgh. No. 1,076,086; Oct. 21; Gaz. vol. 195; p. 570.
- Window-glass fastener. G. W. Jones. No. 1,053,825; Feb. 18; Gaz. vol. 187; p. 754.
- Window-glass, Means for fastening. O. E. Boucher. No. 1,068,407; July 29; Gaz. vol. 192; p. 998.
- Window-guard. G. H. Camp. No. 1,051,486; Jan. 28; Gaz. vol. 186; p. 842.
- Window-guard. O. H. Boger. No. 1,055,127; Mar. 4; Gaz. vol. 188; p. 160.
- Window-guard. J. S. Van Deventer and E. M. Brown. No. 1,065,193; June 17; Gaz. vol. 191; p. 753.
- Window-guard. A. H. Newpher. No. 1,067,267; July 15; Gaz. vol. 192; p. 537.
- Window-hook. H. Kocourek. No. 1,067,524; July 15; Gaz. vol. 192; p. 624.
- Window-jamb machine. J. E. Eisele. No. 1,074,355; Sept. 30; Gaz. vol. 194; p. 1041.
- Window-lock. F. C. Guptill. No. 1,049,707; Jan. 7; Gaz. vol. 186; p. 133.
- Window-lock. L. Vogenreiter. No. 1,066,347; July 1; Gaz. vol. 192; p. 156.
- Window-lock. A. Carrette. No. 1,074,162; Sept. 30; Gaz. vol. 194; p. 977.
- Window-lock. C. F. Hanington. No. 1,077,605; Nov. 4; Gaz. vol. 196; p. 126.
- Window-lock. N. B. Denison. No. 1,082,013; Dec. 23; Gaz. vol. 197; p. 811.
- Window-lock, Automatic. F. Grimshaw. No. 1,062,234; May 20; Gaz. vol. 190; p. 646.
- Window-lock, Pivoted. F. McLaughlin. No. 1,073,268; Sept. 16; Gaz. vol. 194; p. 620.
- Window-locking device. F. B. Rullman. No. 1,061,569; May 13; Gaz. vol. 190; p. 383.
- Window, Metallic. C. H. Hopmann. No. 1,067,608; July 15; Gaz. vol. 192; p. 653.
- Window, Metallic pivoted-sash. J. F. Ruth. No. 1,055,493; Mar. 11; Gaz. vol. 188; p. 319.
- Window-operating apparatus. H. C. Desbecker. No. 1,062,085; May 20; Gaz. vol. 190; p. 595.
- Window-operating device. R. R. West. No. 1,050,073; Jan. 7; Gaz. vol. 186; p. 256.
- Window-operating device. A. S. Stanish. No. 1,062,997; May 27; Gaz. vol. 190; p. 939.
- Window-operating mechanism. H. L. Eichhorn. No. 1,069,682; Aug. 12; Gaz. vol. 193; p. 233.
- Window-operating mechanism. W. von Wolfardt. No. 1,072,893; Sept. 9; Gaz. vol. 194; p. 451.
- Window-operating mechanism. H. L. Eichhorn. No. 1,077,907; Nov. 4; Gaz. vol. 196; p. 228.
- Window or screen frame, Metallic. E. J. Lund. No. 1,059,677; Apr. 22; Gaz. vol. 189; p. 902.
- Window-pane-holding device. E. A. Miller. No. 1,065,958; July 1; Gaz. vol. 192; p. 19.
- Window-pane support and fastener. W. E. Clarin. No. 1,071,394; Aug. 26; Gaz. vol. 193; p. 889.
- Window-pivot. B. F. White. No. 1,055,110; Mar. 4; Gaz. vol. 188; p. 154.
- Window-platform. J. Dybeck. No. 1,059,287; Apr. 15; Gaz. vol. 189; p. 734.
- Window-positioning device. J. B. Glowacki. No. 1,068,888; July 29; Gaz. vol. 192; p. 1166.
- Window-railling and fire-ladder, Combined. D. Momo. No. 1,072,024; Sept. 2; Gaz. vol. 194; p. 122.
- Window rain-shield. C. P. Orth. No. 1,075,058; Oct. 7; Gaz. vol. 195; p. 163.
- Window, Reversible. S. Viragh. No. 1,082,663; Dec. 30; Gaz. vol. 197; p. 1067.
- Window safety-barrier. B. B. Swanson. No. 1,082,368; Dec. 23; Gaz. vol. 197; p. 934.
- Window-screen. F. J. Schock. No. 1,052,284; Feb. 4; Gaz. vol. 187; p. 151.
- Window-screen. V. Casazza. No. 1,053,010; Feb. 11; Gaz. vol. 187; p. 429.
- Window-screen. D. P. Moore. No. 1,053,199; Feb. 18; Gaz. vol. 187; p. 540.
- Window-screen. O. Karlss. No. 1,053,294; Feb. 18; Gaz. vol. 187; p. 572.
- Window-screen. A. Talbot. No. 1,054,255; Feb. 25; Gaz. vol. 187; p. 936.
- Window-screen. G. F. Born. No. 1,055,381; Mar. 11; Gaz. vol. 188; p. 281.
- Window-screen. E. W. Pendery. No. 1,055,489; Mar. 11; Gaz. vol. 188; p. 317.
- Window-screen. F. P. Edler. No. 1,057,813; Apr. 1; Gaz. vol. 189; p. 144.
- Window-screen. F. Klousnitzer. No. 1,058,985; Apr. 15; Gaz. vol. 189; p. 630.
- Window-screen. F. G. Hoegner. No. 1,059,872; Apr. 22; Gaz. vol. 189; p. 964.
- Window-screen. Z. Talbot. No. 1,061,425; May 13; Gaz. vol. 190; p. 330.
- Window-screen. J. Dyer and G. H. Leonard. No. 1,065,303; June 17; Gaz. vol. 191; p. 791.
- Window-screen. C. Rochon. No. 1,066,420; July 1; Gaz. vol. 192; p. 179.
- Window-screen. A. H. Mix. No. 1,066,834; July 8; Gaz. vol. 192; p. 352.
- Window-screen. F. A. Swanson. No. 1,067,075; July 8; Gaz. vol. 192; p. 433.
- Window-screen. G. D. Hartlett and W. A. Wheeler. No. 1,069,251; Aug. 5; Gaz. vol. 193; p. 58.
- Window-screen. W. B. Phillips. No. 1,071,339; Aug. 26; Gaz. vol. 193; p. 870.
- Window-screen. J. M. Landfair. No. 1,073,426; Sept. 16; Gaz. vol. 194; p. 675.
- Window-screen. B. C. Hurford. No. 1,073,492; Sept. 16; Gaz. vol. 194; p. 698.
- Window-screen. F. McLaughlin. No. 1,074,571; Sept. 30; Gaz. vol. 194; p. 1111.
- Window-screen. R. S. Foster. No. 1,074,938; Oct. 7; Gaz. vol. 195; p. 119.
- Window-screen. P. Illes. No. 1,074,952; Oct. 7; Gaz. vol. 195; p. 123.
- Window-screen. G. W. Norton. No. 1,076,693; Oct. 28; Gaz. vol. 195; p. 836.
- Window-screen. P. A. Roselle. No. 1,077,917; Nov. 4; Gaz. vol. 196; p. 232.
- Window-screen. M. G. Bunnell. No. 1,078,827; Nov. 18; Gaz. vol. 196; p. 610.
- Window-screen. C. L. Kelly. No. 1,082,339; Dec. 23; Gaz. vol. 197; p. 924.
- Window-screen, Adjustable. E. Carlson. No. 1,052,314; Feb. 4; Gaz. vol. 187; p. 159.
- Window-screen, Adjustable. H. F. Rau and H. M. Olsen. No. 1,053,644; Feb. 18; Gaz. vol. 187; p. 693.
- Window screen, curtain, and the like. W. B. Knapp. No. 1,068,780; July 29; Gaz. vol. 192; p. 1126.
- Window-securing device. J. Wichers. No. 1,063,404; June 3; Gaz. vol. 191; p. 80.
- Window, Service-. E. Meckert. No. 1,066,297; July 1; Gaz. vol. 192; p. 141.
- Window, Sheet-metal. O. H. Iman. No. 1,056,102; Mar. 18; Gaz. vol. 188; p. 557.
- Window, Sheet-metal. A. W. Eckberg and C. Stohlberg. No. 1,074,702; Oct. 7; Gaz. vol. 195; p. 41.
- Window-shield. J. T. McMillan. No. 1,057,651; Apr. 1; Gaz. vol. 189; p. 87.
- Window-shield. D. O. N. Baldwin. No. 1,078,765; Nov. 18; Gaz. vol. 196; p. 589.
- Window shield, Car-. W. B. Hanlon. (Reissue.) No. 13,653; Dec. 2; Gaz. vol. 197; p. 213.
- Window-sill construction and tile therefor. E. E. Nickson. No. 1,071,782; Sept. 2; Gaz. vol. 194; p. 40.
- Window-sills, Adjustable receptacle for. H. Greene. No. 1,069,411; Aug. 5; Gaz. vol. 193; p. 114.
- Window, Sliding. H. Nikolaus. No. 1,078,369; Nov. 11; Gaz. vol. 196; p. 421.
- Window structure. D. J. Murnane. No. 1,050,161; Jan. 14; Gaz. vol. 186; p. 319.
- Window structure. C. Hatzfield. No. 1,052,721; Feb. 11; Gaz. vol. 187; p. 330.
- Window support and holder. J. W. Pennewill. No. 1,060,490; Apr. 29; Gaz. vol. 189; p. 1221.
- Window-ventilator. G. A. Fair. No. 1,054,523; Feb. 25; Gaz. vol. 187; p. 1028.
- Window-ventilator. B. W. Mott. No. 1,057,871; Apr. 1; Gaz. vol. 189; p. 164.
- Window-ventilator. F. McLaughlin. No. 1,060,348; Apr. 29; Gaz. vol. 189; p. 1171.
- Window-ventilator. C. S. Winn. No. 1,060,727; May 6; Gaz. vol. 190; p. 56.
- Window-ventilator. A. N. Olander. No. 1,063,464; June 3; Gaz. vol. 191; p. 99.
- Window-ventilator. H. Higgin. No. 1,064,730; June 17; Gaz. vol. 191; p. 605.
- Window-ventilator. W. J. Dixon. No. 1,075,967; Oct. 14; Gaz. vol. 195; p. 501.
- Window-ventilator. A. B. Moon. No. 1,078,453; Nov. 11; Gaz. vol. 196; p. 450.
- Window-ventilator. J. S. Kinkead. No. 1,078,860; Nov. 18; Gaz. vol. 196; p. 622.
- Window-ventilator. F. Austin. No. 1,081,195; Dec. 9; Gaz. vol. 197; p. 468.
- Window-ventilator. J. B. Sheridan. No. 1,081,256; Dec. 9; Gaz. vol. 197; p. 490.
- Window-ventilator, Adjustable. H. Crawford. No. 1,070,421; Aug. 19; Gaz. vol. 193; p. 530.
- Window-washer. G. Di Giovanni. No. 1,081,100; Dec. 9; Gaz. vol. 197; p. 436.
- Window weather-guard. A. H. Newpher. No. 1,081,692; Dec. 16; Gaz. vol. 197; p. 672.
- Window-weight, Interchangeable. J. Atlas. No. 1,077,924; Nov. 4; Gaz. vol. 196; p. 234.
- Windows and the like, Hanger for storm-. A. J. Paddock. No. 1,071,950; Sept. 2; Gaz. vol. 194; p. 96.

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- Windows and the like, Stay for casement-. G. F. Norton. No. 1,066,139; July 1; Gaz. vol. 192; p. 83.
- Windows, Automatic self-closing attachment for. E. Van Noorden. No. 1,073,307; Sept. 16; Gaz. vol. 194; p. 634.
- Windows in series, Mechanism for operating. J. Whitehead. No. 1,075,618; Oct. 14; Gaz. vol. 195; p. 382.
- Windows, Means to prevent condensation of water on glass. T. Carence. No. 1,073,091; Sept. 16; Gaz. vol. 194; p. 557.
- Windows, Metal case for sash-. M. Descommunaux. No. 1,052,465; Feb. 11; Gaz. vol. 187; p. 246.
- Windows, Rain-shield for. C. E. Martin. No. 1,077,730; Nov. 4; Gaz. vol. 196; p. 167.
- Windows, Resilient positioning device for. J. B. Glowacki. No. 1,065,234; June 17; Gaz. vol. 191; p. 767.
- Wine, Clarifying. A. Ornstein. No. 1,081,623; Dec. 16; Gaz. vol. 197; p. 650.
- Wine-clearing apparatus. M. M. Wheeler. No. 1,082,297; Dec. 23; Gaz. vol. 197; p. 910.
- Wing attachment. J. M. Oglesby. No. 1,078,371; Nov. 11; Gaz. vol. 196; p. 422.
- Wing-carrier. W. F. Brown. No. 1,056,734; Mar. 18; Gaz. vol. 188; p. 774.
- Wire and cable coating method and apparatus. L. W. Chubb. No. 1,068,413; July 29; Gaz. vol. 192; p. 1000.
- Wire and cable treating apparatus. L. W. Chubb and H. R. Edgecomb. No. 1,068,412; July 29; Gaz. vol. 192; p. 999.
- Wire bed-bottom fabric. J. F. Gail. No. 1,065,935; July 1; Gaz. vol. 192; p. 10.
- Wire-bending machine. W. W. Shirley. No. 1,079,890; Nov. 25; Gaz. vol. 196; p. 1008.
- Wire cap. C. J. Carroll. No. 1,055,515; Mar. 11; Gaz. vol. 188; p. 326.
- Wire-clamp. D. E. Rowland. No. 1,052,969; Feb. 11; Gaz. vol. 187; p. 417.
- Wire-clamp. J. M. Conley. No. 1,065,222; June 17; Gaz. vol. 191; p. 762.
- Wire-clamp. J. A. Fossum. No. 1,082,742; Dec. 30; Gaz. vol. 197; p. 1095.
- Wire-clamping tool. R. W. Hamann. No. 1,071,154; Aug. 26; Gaz. vol. 193; p. 808.
- Wire clip. H. Lea. No. 1,079,989; Dec. 2; Gaz. vol. 197; p. 24.
- Wire cloth or screen machine. O. W. Childs. No. 1,077,040; Oct. 28; Gaz. vol. 195; p. 958.
- Wire-cloth, Sales-rack for. A. H. C. Hornbostel. No. 1,059,160; Apr. 15; Gaz. vol. 189; p. 690.
- Wire coating and spooling machine. M. D. Shiverick. No. 1,076,526; Oct. 21; Gaz. vol. 195; p. 723.
- Wire-coating method and apparatus. L. W. Chubb. No. 1,068,411; July 29; Gaz. vol. 192; p. 999.
- Wire connector, Ground-. F. E. McKenna. No. 1,054,227; Feb. 25; Gaz. vol. 187; p. 929.
- Wire-covering machines, Rotary compressor for. H. L. Owen. No. 1,053,061; Feb. 11; Gaz. vol. 187; p. 448.
- Wire-distributing device. J. B. Hoard. No. 1,054,919; Mar. 4; Gaz. vol. 188; p. 90.
- Wire, Doffing-. P. J. Hinds and E. S. Ferris. No. 1,067,815; July 22; Gaz. vol. 192; p. 756.
- Wire-drawing die. F. Krause. No. 1,056,555; Mar. 18; Gaz. vol. 188; p. 713.
- Wire-drawing dies, Method and apparatus for making. F. Krause. No. 1,056,694; Mar. 18; Gaz. vol. 188; p. 759.
- Wire-drawing machine. E. H. Carroll. No. 1,072,085; Sept. 2; Gaz. vol. 194; p. 142.
- Wire-drawing machine, Continuous-. M. Rooke. No. 1,062,036; May 20; Gaz. vol. 190; p. 578.
- Wire electrolytically, Apparatus and process for making. W. E. Gibbs. No. 1,058,047; Apr. 8; Gaz. vol. 189; p. 268.
- Wire fabric. S. N. Pond. No. 1,069,172; Aug. 5; Gaz. vol. 193; p. 29.
- Wire fabric. F. P. Dooley. No. 1,081,438; Dec. 16; Gaz. vol. 197; p. 590.
- Wire fabric, Corrugated link for. G. B. Smith. No. 1,079,806; Nov. 25; Gaz. vol. 196; p. 980.
- Wire-fabric machine. G. W. Whittington. No. 1,061,432; May 13; Gaz. vol. 190; p. 332.
- Wire-fabric machine. J. W. Sommer. No. 1,078,702; Nov. 18; Gaz. vol. 196; p. 566.
- Wire-fabric-making machine. G. H. Smith. No. 1,050,246; Jan. 14; Gaz. vol. 186; p. 348.
- Wire-fabric-making machine. W. J. Pine. No. 1,068,075; July 22; Gaz. vol. 192; p. 844.
- Wire-fabric-making machine. W. A. Killmer. No. 1,076,831; Oct. 28; Gaz. vol. 195; p. 884.
- Wire fabrics, Forming woven-. M. P. Reynolds. No. 1,078,380; Nov. 11; Gaz. vol. 196; p. 425.
- Wire fastener, Line-. A. W. Morgan. No. 1,061,311; May 13; Gaz. vol. 190; p. 292.
- Wire-fastening device. J. N. Moore. No. 1,068,916; July 29; Gaz. vol. 192; p. 1176.
- Wire-feed device. G. W. Perkins. No. 1,056,444; Mar. 18; Gaz. vol. 188; p. 673.
- Wire-feeding device. O. Anchell. No. 1,055,852; Mar. 11; Gaz. vol. 188; p. 438.
- Wire-feeding mechanism. G. A. Ambler. No. 1,072,803; Sept. 9; Gaz. vol. 194; p. 417.
- Wire-gripper. P. Bammer. No. 1,059,338; Apr. 22; Gaz. vol. 189; p. 787.
- Wire-guide. J. J. Warren. No. 1,066,687; July 8; Gaz. vol. 192; p. 304.
- Wire-handling apparatus. W. W. Steiner. No. 1,078,510; Nov. 11; Gaz. vol. 196; p. 471.
- Wire-hoop-forming apparatus. E. I. Braddock. No. 1,081,359; Dec. 16; Gaz. vol. 197; p. 564.
- Wire-line rope-socket. J. Burns. No. 1,073,469; Sept. 16; Gaz. vol. 194; p. 691.
- Wire-line rope-socket. J. Burns. No. 1,073,470; Sept. 16; Gaz. vol. 194; p. 691.
- Wire link fabric. C. H. Frederick. No. 1,051,397; Jan. 28; Gaz. vol. 186; p. 811.
- Wire-locking device. L. K. Slaback and G. G. McGlaughlin. No. 1,067,847; July 22; Gaz. vol. 192; p. 767.
- Wire-mattress fabric. L. E. Pittoni. No. 1,060,556; Apr. 29; Gaz. vol. 189; p. 1244.
- Wire-mesh fabric. C. A. Kulenkampff. No. 1,055,764; Mar. 11; Gaz. vol. 188; p. 409.
- Wire-mesh fabric. E. Fuller. No. 1,079,293; Nov. 18; Gaz. vol. 196; p. 768.
- Wire-mesh screen, Electrified. G. R. Wimblish. No. 1,059,253; Apr. 15; Gaz. vol. 189; p. 722.
- Wire, Method of and apparatus for producing copper. W. E. Gibbs. No. 1,058,048; Apr. 8; Gaz. vol. 189; p. 267.
- Wire-netting, Production of stencils of. A. Pindikowsky. No. 1,064,166; June 10; Gaz. vol. 191; p. 376.
- Wire pin, Headed. K. Oertel. No. 1,063,057; May 27; Gaz. vol. 190; p. 959.
- Wire-puller. M. E. Johnson. No. 1,068,059; July 22; Gaz. vol. 192; p. 838.
- Wire-puller and fish-tape guide, Combined. O. F. Dubruiel. No. 1,049,825; Jan. 7; Gaz. vol. 186; p. 173.
- Wire-reel. J. Gochik. No. 1,056,410; Mar. 18; Gaz. vol. 188; p. 660.
- Wire-reel. M. A. Wuebbenherst. No. 1,068,291; July 22; Gaz. vol. 192; p. 919.
- Wire-rod-transporting device. E. Ayers. No. 1,058,707; Apr. 15; Gaz. vol. 189; p. 531.
- Wire rods, Apparatus for coiling, coating, and cooling. V. E. Edwards. No. 1,075,702; Oct. 14; Gaz. vol. 195; p. 410.
- Wire seam, Fourdrinier-. A. B. Weissenborn. No. 1,065,991; July 1; Gaz. vol. 192; p. 31.
- Wire-splicer. L. C. Steele. No. 1,050,401; Jan. 14; Gaz. vol. 186; p. 402.
- Wire-splicer. W. E. Hougas and F. W. Rauch. No. 1,072,332; Sept. 2; Gaz. vol. 194; p. 223.
- Wire-splicer. H. J. Pennington. No. 1,073,514; Sept. 16; Gaz. vol. 194; p. 705.
- Wire-splicer. E. Martin. No. 1,074,884; Oct. 7; Gaz. vol. 195; p. 100.
- Wire-splicer. F. R. Clark. No. 1,075,333; Oct. 14; Gaz. vol. 195; p. 283.
- Wire-splicer, Rotary. H. Dubbels. No. 1,058,565; Apr. 8; Gaz. vol. 189; p. 446.
- Wire-stitcher. H. Weber. No. 1,074,564; Sept. 30; Gaz. vol. 194; p. 1108.
- Wire-straightener. A. H. Neller. No. 1,054,022; Feb. 25; Gaz. vol. 187; p. 857.
- Wire-straightener, Rotary. J. J. Conlon. No. 1,075,282; Oct. 7; Gaz. vol. 195; p. 241.
- Wire straightening and cutting-off machine. F. B. Shuster. No. 1,070,195; Aug. 12; Gaz. vol. 193; p. 411.
- Wire-stranding machine. W. O. Larmuth. No. 1,073,052; Sept. 9; Gaz. vol. 194; p. 508.
- Wire-stretcher. J. C. Anderson. No. 1,051,185; Jan. 21; Gaz. vol. 186; p. 707.
- Wire-stretcher. W. L. Holladay and R. L. Stewart. No. 1,053,814; Feb. 18; Gaz. vol. 187; p. 750.
- Wire-stretcher. A. B. Dowell. No. 1,054,283; Feb. 25; Gaz. vol. 187; p. 945.
- Wire-stretcher. M. V. Harris. No. 1,054,542; Feb. 25; Gaz. vol. 187; p. 1034.
- Wire-stretcher. F. R. Richards. No. 1,055,354; Mar. 11; Gaz. vol. 188; p. 272.
- Wire-stretcher. J. W. Poindexter. No. 1,056,120; Mar. 18; Gaz. vol. 188; p. 564.
- Wire-stretcher. G. F. Griffith. No. 1,056,169; Mar. 18; Gaz. vol. 188; p. 580.
- Wire-stretcher. S. L. Riley. No. 1,056,303; Mar. 18; Gaz. vol. 188; p. 626.
- Wire-stretcher. E. Young. No. 1,056,481; Mar. 18; Gaz. vol. 188; p. 686.
- Wire-stretcher. F. Colley. No. 1,056,777; Mar. 25; Gaz. vol. 188; p. 819.
- Wire-stretcher. J. C. Temple. No. 1,057,508; Apr. 1; Gaz. vol. 189; p. 39.
- Wire-stretcher. C. S. Ethridge. No. 1,057,534; Apr. 1; Gaz. vol. 189; p. 47.
- Wire-stretcher. C. J. Turner. No. 1,057,901; Apr. 1; Gaz. vol. 189; p. 173.
- Wire-stretcher. W. C. Hudson. No. 1,058,239; Apr. 8; Gaz. vol. 189; p. 334.
- Wire-stretcher. J. Harrison. No. 1,062,331; May 20; Gaz. vol. 190; p. 678.
- Wire-stretcher. J. A. White. No. 1,062,939; May 27; Gaz. vol. 190; p. 921.

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- Wire-stretcher. C. H. Rains. No. 1,063,063; May 27; Gaz. vol. 190; p. 961.
- Wire-stretcher. C. F. Hurd. No. 1,065,366; June 24; Gaz. vol. 191; p. 851.
- Wire-stretcher. R. A. Lyerla. No. 1,067,123; July 8; Gaz. vol. 192; p. 451.
- Wire-stretcher. J. H. Lewis. No. 1,069,556; Aug. 5; Gaz. vol. 193; p. 161.
- Wire-stretcher. P. Filliez. No. 1,074,084; Sept. 23; Gaz. vol. 194; p. 922.
- Wire-stretcher. P. C. Dean. No. 1,075,337; Oct. 14; Gaz. vol. 195; p. 285.
- Wire-stretcher. I. W. Holland. No. 1,079,127; Nov. 18; Gaz. vol. 196; p. 714.
- Wire-stretcher. G. A. Cole. No. 1,079,214; Nov. 18; Gaz. vol. 196; p. 744.
- Wire-stretcher. F. Gibson. No. 1,079,700; Nov. 25; Gaz. vol. 196; p. 940.
- Wire-stretcher. J. E. Miller. No. 1,081,250; Dec. 9; Gaz. vol. 197; p. 488.
- Wire-stretcher and jack. F. L. Shelor and K. P. Morgan. No. 1,068,704; July 29; Gaz. vol. 192; p. 1100.
- Wire stretcher and repairer. J. F. Butler. No. 1,067,641; July 15; Gaz. vol. 192; p. 664.
- Wire-stretcher attachment. H. M. Kyle. No. 1,074,507; Sept. 30; Gaz. vol. 194; p. 1090.
- Wire-stretcher clamp. S. R. Lockridge. No. 1,056,287; Mar. 18; Gaz. vol. 188; p. 620.
- Wire-stretcher clamping-bar. C. H. Townsend, G. E. Colling, and D. W. Ligon. No. 1,055,102; Mar. 4; Gaz. vol. 188; p. 152.
- Wire-stretcher for fences, &c. D. J. Winn. No. 1,064,413; June 10; Gaz. vol. 191; p. 461.
- Wire-stretcher pawl mechanism. H. Cunningham. No. 1,052,655; Feb. 11; Gaz. vol. 187; p. 309.
- Wire-stretchers, Anchoring device for. P. McMillan. No. 1,064,238; June 10; Gaz. vol. 191; p. 401.
- Wire stretching and reeling machine. R. Richardson. No. 1,054,313; Feb. 25; Gaz. vol. 187; p. 955.
- Wire-stretching device. H. A. Crandell. No. 1,050,429; Jan. 14; Gaz. vol. 186; p. 412.
- Wire-stretching device. A. D. Scott. No. 1,064,936; June 17; Gaz. vol. 191; p. 670.
- Wire-stripper. T. L. Gregson and J. I. Payette. No. 1,065,679; June 24; Gaz. vol. 191; p. 958.
- Wire-stripping machine. M. Pessin. No. 1,052,271; Feb. 4; Gaz. vol. 187; p. 148.
- Wire, Terminal for metal-sheathed. C. N. Moore. No. 1,077,734; Nov. 4; Gaz. vol. 196; p. 168.
- Wire-tester. F. Aronson. No. 1,057,210; Mar. 25; Gaz. vol. 188; p. 968.
- Wire tie for bags, bales, bundles, and packages. J. S. Slosson. No. 1,076,245; Oct. 21; Gaz. vol. 195; p. 623.
- Wire-tying tool, Hand. D. B. Williams. No. 1,067,790; July 15; Gaz. vol. 192; p. 714.
- Wire-twister. B. F. Davis. No. 1,059,281; Apr. 15; Gaz. vol. 189; p. 732.
- Wire-twisting tool. B. T. Lawson. No. 1,058,376; Apr. 8; Gaz. vol. 189; p. 383.
- Wire-winding machine. C. E. Anderson. No. 1,054,891; Mar. 4; Gaz. vol. 188; p. 82.
- Wire-wiping apparatus. L. C. Steele. No. 1,078,176; Nov. 11; Gaz. vol. 196; p. 352.
- Wire-wiping machine. A. S. Smelser. No. 1,073,297; Sept. 16; Gaz. vol. 194; p. 630.
- Wires, Drawing refractory. A. J. Liebmann. No. 1,076,590; Oct. 21; Gaz. vol. 195; p. 746.
- Wires in conduits and analogous purposes, Jointed rod for inserting. J. J. Hess. No. 1,066,816; July 8; Gaz. vol. 192; p. 347.
- Wires, Machine for making loops in. W. K. Voorhees and J. H. Osgood. No. 1,073,189; Sept. 16; Gaz. vol. 194; p. 591.
- Wires, Means for applying coverings to. H. L. Owen. No. 1,053,108; Feb. 11; Gaz. vol. 187; p. 465.
- Wires to metallic studs, Machine for attaching. H. H. Cummings and A. M. English. No. 1,070,327; Aug. 12; Gaz. vol. 193; p. 456.
- Wireless apparatus for preventing collisions. J. Bonhomme. No. 1,073,088; Sept. 16; Gaz. vol. 194; p. 556.
- Wireless duplex system. R. Pfund. No. 1,076,312; Oct. 21; Gaz. vol. 195; p. 648.
- Wireless transmission of signals, Receiver for. V. Poulsen. No. 1,059,391; Apr. 22; Gaz. vol. 189; p. 805.
- Wood and other fibrous materials, Method and apparatus for digesting. J. C. W. Stanley. No. 1,075,795; Oct. 14; Gaz. vol. 195; p. 442.
- Wood and preparing the same, Impregnated. L. H. Baekeland. No. 1,057,319; Mar. 25; Gaz. vol. 188; p. 1003.
- Wood and product of such process, Process of treating and coloring. L. S. Bache. No. 1,077,252; Nov. 4; Gaz. vol. 196; p. 4.
- Wood and products thereof, Preserving. C. Ellis. No. 1,054,756; Mar. 4; Gaz. vol. 188; p. 35.
- Wood, Apparatus for, preserving. G. B. Shipley. No. 1,081,153; Dec. 9; Gaz. vol. 197; p. 457.
- Wood, Bending. J. T. Bruce. No. 1,052,405; Feb. 4; Gaz. vol. 187; p. 191.
- Wood-chipping machine. F. E. Hemings. No. 1,064,829; June 17; Gaz. vol. 191; p. 636.
- Wood-chopper's foot-board. J. R. Andrus. No. 1,062,685; May 27; Gaz. vol. 190; p. 837.
- Wood, Drying and seasoning. B. Loomis. No. 1,050,151; Jan. 14; Gaz. vol. 186; p. 316.
- Wood-fastener machine. S. E. Dunham. No. 1,068,990; July 29; Gaz. vol. 192; p. 1200.
- Wood from decay and fire, Preserving. H. J. Livingston. No. 1,062,286; May 20; Gaz. vol. 190; p. 663.
- Wood, Impregnating. L. Dautreppe. No. 1,076,553; Oct. 21; Gaz. vol. 195; p. 733.
- Wood or the like, Apparatus for raising sunken. C. J. Naclér. No. 1,060,696; May 6; Gaz. vol. 190; p. 46.
- Wood-polish. A. R. McMullen. No. 1,067,359; July 15; Gaz. vol. 192; p. 569.
- Wood, Preserving. W. Schoeller and W. Schrauth. No. 1,076,322; Oct. 21; Gaz. vol. 195; p. 651.
- Wood, Preserving. E. E. Sommermeier. No. 1,082,658; Dec. 30; Gaz. vol. 197; p. 1065.
- Wood product. J. A. De Cew. No. 1,075,552; Oct. 14; Gaz. vol. 195; p. 360.
- Wood scraper or surfer. A. Malek. No. 1,068,683; July 29; Gaz. vol. 192; p. 1093.
- Wood-treating apparatus. F. A. Palen. No. 1,062,184; May 20; Gaz. vol. 190; p. 629.
- Wood-treating apparatus. J. Petschauer. No. 1,062,550; May 20; Gaz. vol. 190; p. 748.
- Wood, Treatment of. J. W. Illingworth. No. 1,051,596; Jan. 28; Gaz. vol. 186; p. 880.
- Wood-trimmer. J. S. Pickles. No. 1,080,122; Dec. 2; Gaz. vol. 197; p. 72.
- Wood-turning machines, Steady-rest for. C. E. La Pointe. No. 1,052,596; Feb. 11; Gaz. vol. 187; p. 288.
- Woods, Artificially staining. K. K. Schmidt and M. Kleinstück. No. 1,057,284; Mar. 25; Gaz. vol. 188; p. 993.
- Woods, Scientific curing of. F. A. Palen. No. 1,066,523; July 8; Gaz. vol. 192; p. 245.
- Woodworking-clamp. E. K. F. Seidel. No. 1,075,384; Oct. 14; Gaz. vol. 195; p. 303.
- Woodworking-machine. I. Skeels. No. 1,056,758; Mar. 18; Gaz. vol. 188; p. 784.
- Woodworking-machine. W. D. Kelly. No. 1,058,441; Apr. 8; Gaz. vol. 189; p. 405.
- Woodworking-machine. F. A. Redner. No. 1,059,069; Apr. 15; Gaz. vol. 189; p. 659.
- Woodworking-machine. G. A. Turner. No. 1,066,684; July 8; Gaz. vol. 192; p. 302.
- Woodworking-machine. G. A. Turner. No. 1,066,685; July 8; Gaz. vol. 192; p. 303.
- Woodworking machinery. L. F. Parks. No. 1,063,210; June 3; Gaz. vol. 191; p. 14.
- Woodworking machinery. J. C. Casey. No. 1,081,578; Dec. 16; Gaz. vol. 197; p. 635.
- Woodworking or furniture, Instrument for. E. Lobo. No. 1,061,855; May 13; Gaz. vol. 190; p. 474.
- Woodworking-tool. M. J. Berg. No. 1,051,190; Jan. 21; Gaz. vol. 186; p. 708.
- Woodworking-tool. A. C. Thomas. No. 1,051,526; Jan. 28; Gaz. vol. 186; p. 856.
- Wool and other textile fibers, Mechanism for drawing rovings of. F. Casablancas. No. 1,079,837; Nov. 25; Gaz. vol. 196; p. 989.
- Wool washing and degreasing machine. J. Baudot. No. 1,051,944; Feb. 4; Gaz. vol. 187; p. 34.
- Wool-washing machines, Siphon-overflow for. F. G. Sargent. No. 1,053,537; Feb. 18; Gaz. vol. 187; p. 656.
- Work-bag and reticule, Combined. H. H. Terry. No. 1,081,788; Dec. 16; Gaz. vol. 197; p. 705.
- Work-bench. F. S. Lathrop. No. 1,063,046; May 27; Gaz. vol. 190; p. 955.
- Work-bench. J. P. Mackay. No. 1,069,448; Aug. 5; Gaz. vol. 193; p. 126.
- Work-feeding mechanism. L. H. Vold. No. 1,080,793; Dec. 9; Gaz. vol. 197; p. 336.
- Work-holder. A. P. Boyer. No. 1,049,803; Jan. 7; Gaz. vol. 186; p. 165.
- Work-holder. T. F. Morrissey. No. 1,062,547; May 20; Gaz. vol. 190; p. 748.
- Work-holder. O. B. Gross. No. 1,082,588; Dec. 30; Gaz. vol. 197; p. 1041.
- Work-holding block. G. A. Bader. No. 1,071,289; Aug. 26; Gaz. vol. 193; p. 853.
- Work-pieces, Inserting. C. Sandoz-Moritz. No. 1,066,154; July 1; Gaz. vol. 192; p. 88.
- Work-support. H. Hill. No. 1,056,100; Mar. 18; Gaz. vol. 188; p. 556.
- Work-support. A. Bates and E. A. Cridland. No. 1,060,735; May 6; Gaz. vol. 190; p. 59.
- Work-support. A. A. Macleod. No. 1,078,511; Nov. 11; Gaz. vol. 196; p. 468.
- Work support or holder. L. D. Rowell. No. 1,066,951; July 8; Gaz. vol. 192; p. 393.
- Work-supporting device, Adjustable. C. C. Roberts. No. 1,072,363; Sept. 2; Gaz. vol. 194; p. 235.
- Work-tables, Collapsible support for. O. Maier and G. J. Metz. No. 1,075,115; Oct. 7; Gaz. vol. 195; p. 180.
- Woven fabric. V. H. Jennings. No. 1,054,556; Feb. 25; Gaz. vol. 187; p. 1039.

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- Woven fabric. J. T. Bolton. No. 1,059,521; Apr. 22; Gaz. vol. 189; p. 850.
- Woven fabric. A. J. Cumnock. No. 1,071,143; Aug. 26; Gaz. vol. 193; p. 804.
- Woven fabric. H. Le Doux and J. K. Dalkranian. No. 1,077,227; Oct. 28; Gaz. vol. 195; p. 1016.
- Woven strap. P. R. Batchelder. No. 1,065,020; June 17; Gaz. vol. 191; p. 697.
- Woven tubular tie. J. C. Gaynor. No. 1,075,249; Oct. 7; Gaz. vol. 195; p. 228.
- Wrapped articles to enable the wrapper ends to be twisted, Machine for rotating. M. Wertheimer. No. 1,057,194; Mar. 25; Gaz. vol. 188; p. 963.
- Wrapper-feeder. W. P. Sargent. No. 1,054,795; Mar. 4; Gaz. vol. 188; p. 49.
- Wrapper-feeding mechanism. R. F. Stewart. No. 1,066,058; July 1; Gaz. vol. 192; p. 55.
- Wrapper-folder. L. Fischer. No. 1,069,119; Aug. 5; Gaz. vol. 193; p. 10.
- Wrapper-folding mechanism. L. Fischer. No. 1,050,822; Jan. 21; Gaz. vol. 186; p. 580.
- Wrapper for antiseptic cotton and the like. I. Kornblüh. No. 1,068,435; July 29; Gaz. vol. 192; p. 1007.
- Wrapper forming and labeling machine. A. W. Livingston. No. 1,059,621; Apr. 22; Gaz. vol. 189; p. 883.
- Wrapper, Merchandise-. R. C. Constantine. No. 1,068,859; July 29; Gaz. vol. 192; p. 1155.
- Wrappers around rectangular tablets, Machine for folding. F. Grover. No. 1,075,033; Oct. 7; Gaz. vol. 195; p. 153.
- Wrapping and other machines, Feed mechanism for. H. Y. Armstrong. No. 1,053,963; Feb. 25; Gaz. vol. 187; p. 837.
- Wrapping and unwrapping machine. C. Kuentzel. No. 1,079,601; Nov. 25; Gaz. vol. 196; p. 908.
- Wrapping-machine. J. A. Keyes. No. 1,052,063; Feb. 4; Gaz. vol. 187; p. 75.
- Wrapping-machine. J. A. Keyes. No. 1,055,049; Mar. 4; Gaz. vol. 188; p. 135.
- Wrapping-machine. G. I. Hohl. No. 1,055,461; Mar. 11; Gaz. vol. 188; p. 309.
- Wrapping-machine. M. D. Gibson. No. 1,056,164; Mar. 18; Gaz. vol. 188; p. 578.
- Wrapping-machine. A. Rosenkranz and J. L. Langner. No. 1,057,091; Mar. 25; Gaz. vol. 188; p. 927.
- Wrapping-machine. M. Wertheimer. No. 1,057,193; Mar. 25; Gaz. vol. 188; p. 962.
- Wrapping-machine. H. R. Evans. No. 1,059,664; Apr. 22; Gaz. vol. 189; p. 897.
- Wrapping-machine. R. F. Stewart. No. 1,062,262; May 20; Gaz. vol. 190; p. 655.
- Wrapping-machine. F. H. Merrell and W. S. Amidon. No. 1,062,410; May 20; Gaz. vol. 190; p. 704.
- Wrapping-machine. S. I. Prescott. No. 1,075,224; Oct. 7; Gaz. vol. 195; p. 219.
- Wrapping-machine. P. J. Baur. No. 1,075,684; Oct. 14; Gaz. vol. 195; p. 405.
- Wrapping-machine. H. J. Kempf. No. 1,079,012; Nov. 18; Gaz. vol. 196; p. 675.
- Wrapping-machine. A. E. Hopkins and O. S. Fellows. No. 1,082,463; Dec. 23; Gaz. vol. 197; p. 963.
- Wrapping machine, Box-. J. P. Markert and R. S. Bolger. No. 1,053,519; Feb. 18; Gaz. vol. 187; p. 650.
- Wrapping machine, Gum-. H. J. Kempf. No. 1,060,983; May 6; Gaz. vol. 190; p. 147.
- Wrapping machine, Package-. P. S. Smith. No. 1,068,460; July 29; Gaz. vol. 192; p. 1016.
- Wrapping-machines, Wrapper-feed mechanism for. H. Y. Armstrong. No. 1,051,477; Jan. 28; Gaz. vol. 186; p. 838.
- Wrench: See Adjustable wrench; Automatic wrench; Automatic combination-wrench; Brace-socket wrench; Buggy-wrench; Chain wrench; Compression-wrench; Cutter-head-knife-adjusting wrench; Double-acting wrench; End wrench; Monkey-wrench; Nut-wrench; Nut and pipe wrench; Nut-lock wrench; Packing-wrench; Pipe-wrench; Quick-adjusting wrench; Ratchet-wrench; Screw-wrench; Socket-wrench; Spanner-wrench; Well-drill wrench; Wheel-wrench.
- Wrench. F. Intihar. No. 1,049,720; Jan. 7; Gaz. vol. 186; p. 137.
- Wrench. J. C. Hawes. No. 1,050,131; Jan. 14; Gaz. vol. 186; p. 309.
- Wrench. O. Hesse. No. 1,050,215; Jan. 14; Gaz. vol. 186; p. 337.
- Wrench. B. T. Gough. No. 1,050,645; Jan. 14; Gaz. vol. 186; p. 486.
- Wrench. H. W. Simms. No. 1,051,459; Jan. 28; Gaz. vol. 186; p. 832.
- Wrench. P. J. Crolla and P. J. Schmitz. No. 1,051,562; Jan. 28; Gaz. vol. 186; p. 868.
- Wrench. P. L. Gardner. No. 1,051,727; Jan. 28; Gaz. vol. 186; p. 922.
- Wrench. J. E. Lackey. No. 1,052,669; Feb. 11; Gaz. vol. 187; p. 314.
- Wrench. L. S. Whitehead. No. 1,053,079; Feb. 11; Gaz. vol. 187; p. 454.
- Wrench. W. Iring. No. 1,053,181; Feb. 18; Gaz. vol. 187; p. 533.
- Wrench. G. Steinke. No. 1,053,891; Feb. 18; Gaz. vol. 187; p. 774.
- Wrench. G. Grinnen. No. 1,053,986; Feb. 25; Gaz. vol. 187; p. 845.
- Wrench. T. H. Grigg. No. 1,054,687; Mar. 4; Gaz. vol. 188; p. 11.
- Wrench. R. C. King. No. 1,055,757; Mar. 11; Gaz. vol. 188; p. 406.
- Wrench. F. E. Glover. No. 1,055,899; Mar. 11; Gaz. vol. 188; p. 454.
- Wrench. J. H. Jenner. No. 1,055,916; Mar. 11; Gaz. vol. 188; p. 459.
- Wrench. G. C. Ferguson. No. 1,055,971; Mar. 11; Gaz. vol. 188; p. 478.
- Wrench. C. Roubinek. No. 1,056,587; Mar. 18; Gaz. vol. 188; p. 724.
- Wrench. C. P. Clark. No. 1,056,628; Mar. 18; Gaz. vol. 188; p. 738.
- Wrench. J. and M. M. Maher. No. 1,057,250; Mar. 25; Gaz. vol. 188; p. 981.
- Wrench. J. H. Stroope. No. 1,057,593; Apr. 1; Gaz. vol. 189; p. 67.
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- Wrench. W. S. Allyn. No. 1,058,838; Apr. 15; Gaz. vol. 189; p. 579.
- Wrench. J. W. Tyrrell. No. 1,059,091; Apr. 15; Gaz. vol. 189; p. 668.
- Wrench. K. Linerth. No. 1,059,173; Apr. 15; Gaz. vol. 189; p. 694.
- Wrench. A. J. Schoenborn. No. 1,060,138; Apr. 29; Gaz. vol. 189; p. 1096.
- Wrench. J. D. Wilson. No. 1,060,391; Apr. 29; Gaz. vol. 189; p. 1187.
- Wrench. W. I. Reynolds. No. 1,060,494; Apr. 29; Gaz. vol. 189; p. 1222.
- Wrench. C. Goelz. No. 1,060,752; May 6; Gaz. vol. 190; p. 65.
- Wrench. J. W. Seale. No. 1,060,862; May 6; Gaz. vol. 190; p. 104.
- Wrench. A. B. Caril. No. 1,060,891; May 6; Gaz. vol. 190; p. 114.
- Wrench. W. S. Thomson. No. 1,061,339; May 13; Gaz. vol. 190; p. 301.
- Wrench. C. C. Guernsey. No. 1,061,609; May 13; Gaz. vol. 190; p. 396.
- Wrench. M. E. Crandall. No. 1,061,662; May 13; Gaz. vol. 190; p. 414.
- Wrench. E. K. Righter. No. 1,061,691; May 13; Gaz. vol. 190; p. 425.
- Wrench. R. C. Showalter. No. 1,061,876; May 13; Gaz. vol. 190; p. 481.
- Wrench. W. E. Post. No. 1,061,925; May 13; Gaz. vol. 190; p. 499.
- Wrench. J. H. and R. C. Brown. No. 1,061,978; May 20; Gaz. vol. 190; p. 558.
- Wrench. G. J. White. No. 1,062,207; May 20; Gaz. vol. 190; p. 637.
- Wrench. J. F. Anderson. No. 1,063,314; June 3; Gaz. vol. 191; p. 48.
- Wrench. W. W. Bowen. No. 1,063,848; June 3; Gaz. vol. 191; p. 233.
- Wrench. H. W. Moak. No. 1,064,361; June 10; Gaz. vol. 191; p. 441.
- Wrench. J. S. Schugart. No. 1,064,551; June 10; Gaz. vol. 191; p. 507.
- Wrench. J. M. Kindt. No. 1,064,744; June 17; Gaz. vol. 191; p. 609.
- Wrench. R. W. Brittsan and A. L. Van Horn. No. 1,065,209; June 17; Gaz. vol. 191; p. 758.
- Wrench. H. C. Teuton. No. 1,065,480; June 24; Gaz. vol. 191; p. 890.
- Wrench. R. C. Friend. No. 1,065,796; June 24; Gaz. vol. 191; p. 996.
- Wrench. L. S. Dunn and E. Guelff. No. 1,066,003; July 1; Gaz. vol. 192; p. 35.
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- Wrench. J. Jackson. No. 1,067,739; July 15; Gaz. vol. 192; p. 698.
- Wrench. F. Macewicz. No. 1,068,254; July 22; Gaz. vol. 192; p. 907.
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- Wrench. W. McGill. No. 1,068,686; July 29; Gaz. vol. 192; p. 1093.
- Wrench. T. Holmes. No. 1,068,771; July 29; Gaz. vol. 192; p. 1123.
- Wrench. A. Malczyński. No. 1,068,911; July 29; Gaz. vol. 192; p. 1174.
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- Wrench. C. Cotton. No. 1,069,858; Aug. 12; Gaz. vol. 193; p. 295.
- Wrench. F. O. Guesdon. No. 1,069,872; Aug. 12; Gaz. vol. 193; p. 301.
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- Wrench. H. T. Willson. No. 1,070,569; Aug. 19; Gaz. vol. 193; p. 582.
- Wrench. J. M. and L. M. Wootan. No. 1,070,571; Aug. 19; Gaz. vol. 193; p. 582.
- Wrench. J. Anderson. No. 1,070,656; Aug. 19; Gaz. vol. 193; p. 609.
- Wrench. F. H. Kanning. No. 1,071,556; Aug. 26; Gaz. vol. 193; p. 942.
- Wrench. C. Hansen and C. Heberer. No. 1,071,666; Aug. 26; Gaz. vol. 193; p. 978.
- Wrench. J. M. Cochran. No. 1,071,703; Sept. 2; Gaz. vol. 194; p. 11.
- Wrench. W. H. Cook. No. 1,072,090; Sept. 2; Gaz. vol. 194; p. 143.
- Wrench. K. Dobrowolski. No. 1,072,101; Sept. 2; Gaz. vol. 194; p. 147.
- Wrench. R. H. Waters. No. 1,072,283; Sept. 2; Gaz. vol. 194; p. 207.
- Wrench. F. N. Martindale. No. 1,072,479; Sept. 9; Gaz. vol. 194; p. 305.
- Wrench. F. Waldner. No. 1,072,535; Sept. 9; Gaz. vol. 194; p. 324.
- Wrench. O. A. Nordlund. No. 1,072,767; Sept. 9; Gaz. vol. 194; p. 404.
- Wrench. P. Balko. No. 1,073,019; Sept. 9; Gaz. vol. 194; p. 496.
- Wrench. J. J. Aeschlimann. No. 1,073,557; Sept. 16; Gaz. vol. 194; p. 720.
- Wrench. I. M. Waldron. No. 1,074,394; Sept. 30; Gaz. vol. 194; p. 1055.
- Wrench. D. Dahlberg. No. 1,074,412; Sept. 30; Gaz. vol. 194; p. 1061.
- Wrench. E. P. Gummo. No. 1,074,547; Sept. 30; Gaz. vol. 194; p. 1102.
- Wrench. C. Andersen. No. 1,074,594; Oct. 7; Gaz. vol. 195; p. 3.
- Wrench. R. P. Habel. No. 1,075,100; Oct. 7; Gaz. vol. 195; p. 176.
- Wrench. H. Moon. No. 1,075,434; Oct. 14; Gaz. vol. 195; p. 319.
- Wrench. R. W. Sturdy. No. 1,075,516; Oct. 14; Gaz. vol. 195; p. 348.
- Wrench. G. B. Perkins. No. 1,075,850; Oct. 14; Gaz. vol. 195; p. 461.
- Wrench. J. A. Schlehr. No. 1,075,945; Oct. 14; Gaz. vol. 195; p. 493.
- Wrench. C. Rush. No. 1,076,319; Oct. 21; Gaz. vol. 195; p. 650.
- Wrench. O. W. Seipel. No. 1,076,793; Oct. 28; Gaz. vol. 195; p. 871.
- Wrench. G. A. Rienks. No. 1,077,303; Nov. 4; Gaz. vol. 196; p. 21.
- Wrench. H. H. Hayward. No. 1,077,343; Nov. 4; Gaz. vol. 196; p. 36.
- Wrench. S. Moss. No. 1,077,543; Nov. 4; Gaz. vol. 196; p. 106.
- Wrench. F. C. Wutke. No. 1,077,575; Nov. 4; Gaz. vol. 196; p. 116.
- Wrench. F. Mossberg. No. 1,078,059; Nov. 11; Gaz. vol. 196; p. 313.
- Wrench. J. E. Cartmill. No. 1,078,901; Nov. 18; Gaz. vol. 196; p. 636.
- Wrench. O. Weston. No. 1,080,132; Dec. 2; Gaz. vol. 197; p. 75.
- Wrench. A. Laitinen. No. 1,080,463; Dec. 2; Gaz. vol. 197; p. 191.
- Wrench. O. P. Case. No. 1,080,536; Dec. 9; Gaz. vol. 197; p. 248.
- Wrench. S. R. Audibert. No. 1,081,193; Dec. 9; Gaz. vol. 197; p. 468.
- Wrench. A. W. Peterson. No. 1,081,626; Dec. 16; Gaz. vol. 197; p. 650.
- Wrench. F. W. Riesenbergs. No. 1,081,700; Dec. 16; Gaz. vol. 197; p. 674.
- Wrench. L. Cutler. No. 1,082,112; Dec. 23; Gaz. vol. 197; p. 844.
- Wrench. J. Dolan. No. 1,082,851; Dec. 30; Gaz. vol. 197; p. 1134.
- Wrench and pipe-cutter, Combination. A Hill. No. 1,075,649; Oct. 14; Gaz. vol. 195; p. 394.
- Wrench and tool, Combined and convertible. V. A. Fagerstrom. No. 1,049,349; Jan. 7; Gaz. vol. 186; p. 11.
- Wrench and vise, Combination. H. A. Anderson. No. 1,065,016; June 17; Gaz. vol. 191; p. 696.
- Wrench attachment. F. Thompson, F. J. Ludlow, and R. A. McDonald. No. 1,064,399; June 10; Gaz. vol. 191; p. 455.
- Wrench for demountable rims and the like. J. H. Wagenhorst. No. 1,078,567; Nov. 11; Gaz. vol. 196; p. 486.
- Wrench of the adjustable alligator type. H. A. Smith. No. 1,062,047; May 20; Gaz. vol. 190; p. 581.
- Wrenches, Pipe-wrench attachment for monkey-. W. Esterberg. No. 1,055,729; Mar. 11; Gaz. vol. 188; p. 396.
- Wringer: *See* Clothes-wringer; Mop-wringer.
- Wringer attachment. F. T. Johnson. No. 1,071,923; Sept. 2; Gaz. vol. 194; p. 88.
- Wringer safety device. F. T. Johnson. No. 1,058,700; Apr. 8; Gaz. vol. 189; p. 492.
- Wringer-support. E. A. Eustice. No. 1,053,371; Feb. 18; Gaz. vol. 187; p. 599.
- Wringer support and fastener. W. P. Bancroft. No. 1,073,947; Sept. 23; Gaz. vol. 194; p. 878.
- Wringers, Gearing device for. C. E. Greenlief. No. 1,082,745; Dec. 30; Gaz. vol. 197; p. 1097.
- Wringers, Reversible power-transmission mechanism for. R. L. Wearne. No. 1,071,119; Aug. 26; Gaz. vol. 193; p. 797.
- Wrinkle-preventer. C. J. McDonald. No. 1,062,600; May 27; Gaz. vol. 190; p. 805.
- Wrinkle-remover. A. M. Hess and A. L. Tibbals. No. 1,062,399; May 20; Gaz. vol. 190; p. 701.
- Wrist and sleeve protector. P. J. Nichols. No. 1,061,686; May 13; Gaz. vol. 190; p. 423.
- Wrist-strap and coin-holder, Combined. W. L. Tidd. No. 1,080,240; Dec. 2; Gaz. vol. 197; p. 113.
- Writing a plurality of signatures, Machine for. F. A. Johnson. No. 1,066,116; July 1; Gaz. vol. 192; p. 74.
- Writing a plurality of signatures, Machine for. F. A. Johnson. No. 1,066,117; July 1; Gaz. vol. 192; p. 75.
- Writing a plurality of signatures, Machine for. F. A. Johnson. No. 1,080,346; Dec. 2; Gaz. vol. 197; p. 151.
- Writing device. C. A. Neiswender. No. 1,064,160; June 10; Gaz. vol. 191; p. 374.
- Writing device. C. J. Becker. No. 1,070,321; Aug. 12; Gaz. vol. 193; p. 454.
- Writing habit, Means for producing a correct. M. M. Hughes. No. 1,061,913; May 13; Gaz. vol. 190; p. 493.
- Writing-machine. L. C. Myers. No. 1,053,207; Feb. 18; Gaz. vol. 187; p. 542.
- Writing-machine. P. de Carsalade du Pont. No. 1,056,321; Mar. 18; Gaz. vol. 188; p. 631.
- Writing-machine. F. A. Johnson. No. 1,066,118; July 1; Gaz. vol. 192; p. 75.
- Writing machine, Multiple-. F. A. Johnson. No. 1,080,347; Dec. 2; Gaz. vol. 197; p. 151.
- Writing-machine sound-deadening and attaching device. H. M. Hay. No. 1,069,693; Aug. 12; Gaz. vol. 193; p. 237.
- Writing machines, Document-binder for multiple-. W. H. Remick. No. 1,082,554; Dec. 30; Gaz. vol. 197; p. 1029.
- Writing machines, Pen-clamp for multiple-. F. A. Johnson. No. 1,073,240; Sept. 16; Gaz. vol. 194; p. 609.
- Writing means, Stenographic-. W. S. Ireland. No. 1,057,964; Apr. 1; Gaz. vol. 189; p. 194.
- X-ray system. H. F. Waite. No. 1,061,428; May 13; Gaz. vol. 190; p. 331.
- X-ray tube. E. W. Caldwell. No. 1,056,401; Mar. 18; Gaz. vol. 188; p. 656.
- Yarn carrier, Tuft-. G. F. Hutchins. No. 1,065,871; June 24; Gaz. vol. 191; p. 1022.
- Yarn-guide. F. D. Babcock and F. S. Rand. No. 1,049,798; Jan. 7; Gaz. vol. 186; p. 163.
- Yarn-guide. C. Ryden. No. 1,050,850; Jan. 21; Gaz. vol. 186; p. 590.
- Yarn in skeins, Machine for mercerizing. P. Hahn. No. 1,053,911; Feb. 18; Gaz. vol. 187; p. 782.
- Yarn-releasing device for spools. W. Boulais. No. 1,081,716; Dec. 16; Gaz. vol. 197; p. 680.
- Yarn residues from bobbins, spools, and the like, Means for removing. P. Jeanmaire. No. 1,072,468; Sept. 9; Gaz. vol. 194; p. 301.
- Yarn-scraper. W. W. Burke. No. 1,071,698; Sept. 2; Gaz. vol. 194; p. 9.
- Yarn-stripper. J. W. Mullikin. No. 1,057,356; Mar. 25; Gaz. vol. 188; p. 1015.
- Yarn, Treating cotton. S. Shimizu. No. 1,058,338; Apr. 8; Gaz. vol. 189; p. 369.
- Yarn-twisting mechanism. D. Porter and S. K. Oliver. No. 1,081,328; Dec. 16; Gaz. vol. 197; p. 553.
- Yarns and warps, Apparatus for drying sized. A. N. Marr. No. 1,052,074; Feb. 4; Gaz. vol. 187; p. 79.
- Yeast and an accelerating mixture, Apparatus for the mixture in predetermined proportions of. J. A. Stevenson. No. 1,060,143; Apr. 29; Gaz. vol. 189; p. 1098.
- Yeast, Bleaching and conserving. O. Hentschel. No. 1,056,540; Mar. 18; Gaz. vol. 188; p. 709.
- Yeast, Increasing the fermentation property of. A. Polak. No. 1,061,494; May 13; Gaz. vol. 190; p. 354.
- Yeast, Treating. E. Jacoby. No. 1,078,288; Nov. 11; Gaz. vol. 196; p. 392.
- Yoke. J. Llobet and J. Gimenez. No. 1,051,841; Jan. 28; Gaz. vol. 186; p. 959.
- Yoke attachment, Neck-. C. H. Spencer. No. 1,056,846; Mar. 25; Gaz. vol. 188; p. 841.
- Yoke, Cow-. A. S. Parker. No. 1,070,519; Aug. 19; Gaz. vol. 193; p. 564.
- Yoke, Draft-gear. C. J. Nash. No. 1,074,733; Oct. 7; Gaz. vol. 195; p. 51.
- Yoke fastener, Neck-. E. Q. Maxey. No. 1,053,620; Feb. 18; Gaz. vol. 187; p. 684.
- Yoke for draft-gear. C. A. Carscadin and G. A. Woodman. No. 1,076,663; Oct. 28; Gaz. vol. 195; p. 824.
- Yoke for draft-gear. C. A. Carscadin and G. A. Woodman. No. 1,076,866; Oct. 28; Gaz. vol. 195; p. 897.
- Yoke keeper, Neck-. F. Tripp. No. 1,052,699; Feb. 11; Gaz. vol. 187; p. 324.

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- Yoke, Neck-. J. A. Koyen. No. 1,073,766; Sept. 23; Gaz. vol. 194; p. 817.
- Yoke, Neck-. O. Towner. No. 1,073,943; Sept. 23; Gaz. vol. 194; p. 876.
- Yoke, Neck-. E., A., and J. Schruth. No. 1,077,645; Nov. 4; Gaz. vol. 196; p. 140.
- Yoke or whiffletree coupling, Neck-. O. M. Purcell. No. 1,066,947; July 8; Gaz. vol. 192; p. 392.
- Yoke, Safety neck-. B. A. Watt. No. 1,056,612; Mar. 18; Gaz. vol. 188; p. 732.
- Zinc and manganese, Electrolytic recovery of. A. G. French. No. 1,055,157; Mar. 4; Gaz. vol. 188; p. 169.
- Zinc and manganese, Electrolytic recovery of. A. G. French. No. 1,055,158; Mar. 4; Gaz. vol. 188; p. 169.
- Zinc and other volatile metals, Recovering. T. Huntington and F. Heberlein. No. 1,069,085; July 29; Gaz. vol. 192; p. 1233.
- Zinc and the like, Production of. A. B. Pescatore. No. 1,057,878; Apr. 1; Gaz. vol. 189; p. 166.
- Zinc, Apparatus for the manufacture of metallic. R. D. Lance. No. 1,059,307; Apr. 15; Gaz. vol. 189; p. 740.
- Zinc compounds, Reducing. E. B. Cutten. No. 1,080,102; Dec. 2; Gaz. vol. 197; p. 64.
- Zinc, Condensation of. A. L. J. Queneau. No. 1,082,765; Dec. 30; Gaz. vol. 197; p. 1104.
- Zinc, Electrodeposition and refining of. U. C. Tainton and J. N. Pring. No. 1,059,233; Apr. 15; Gaz. vol. 189; p. 715.
- Zinc from blue powder, Producing. W. F. Bleeker. No. 1,066,787; July 8; Gaz. vol. 192; p. 338.
- Zinc from residues containing zinc, especially slags, in reverberatory furnaces, Extracting. A. H. Desgraz. No. 1,072,209; Sept. 2; Gaz. vol. 194; p. 184.
- Zinc-furnace. A. Folliet. No. 1,049,570; Jan. 7; Gaz. vol. 186; p. 88.
- Zinc-furnace with integral compound condenser, Electric. J. Thomson. No. 1,080,864; Dec. 9; Gaz. vol. 197; p. 361.
- Zinc-furnace with integral condenser, Electric. J. Thomson. No. 1,080,862; Dec. 9; Gaz. vol. 197; p. 361.
- Zinc-furnace with integral condenser, Electric. J. Thomson. No. 1,080,863; Dec. 9; Gaz. vol. 197; p. 361.
- Zinc-furnace with integral condenser, Electric. J. Thomson. No. 1,080,865; Dec. 9; Gaz. vol. 197; p. 362.
- Zinc-furnace with integral condenser, Electric. J. Thomson. No. 1,080,866; Dec. 9; Gaz. vol. 197; p. 362.
- Zinc, Manufacture of sulfid of. J. Koetschet and J. C. A. Meyer. No. 1,063,356; June 3; Gaz. vol. 191; p. 63.
- Zinc, Metallurgy of. A. L. J. Queneau. No. 1,064,992; June 17; Gaz. vol. 191; p. 689.
- Zinc oxid and sinter from alloys containing zinc, Obtaining. H. M. Burkey. No. 1,061,447; May 13; Gaz. vol. 190; p. 337.
- Zinc oxids, Reducing. C. F. Burgess. No. 1,059,342; Apr. 22; Gaz. vol. 189; p. 789.
- Zinc, Recovering. C. J. Reed. No. 1,069,178; Aug. 5; Gaz. vol. 193; p. 32.
- Zinc-shaving machine. F. W. Braun and O. C. Beach. No. 1,064,284; June 10; Gaz. vol. 191; p. 416.
- Zinc-sodium hydrosulfite, Manufacture of. G. Münch. No. 1,068,522; July 29; Gaz. vol. 192; p. 1036.
- Zinc sulfate, Production of. A. G. Betts. No. 1,066,245; July 1; Gaz. vol. 192; p. 122.



ALPHABETICAL LIST OF DESIGNS.

- Advertising device for displaying oil. C. N. Scott. No. 44,692; Sept. 23; Gaz. vol. 194; p. 932.
- Air-rifle. E. H. Searle. Nos. 44,034-5; May 13; Gaz. vol. 190; p. 525.
- Andiron. W. M. Buchnau. No. 43,863; Apr. 22; Gaz. vol. 189; p. 999.
- Antiskid device for dual-tired motor-trucks. M. H. Cleaver and W. R. Corbin. No. 43,455; Jan. 21; Gaz. vol. 186; p. 775.
- Applicator-handle. H. Weder, Sr., and C. H. Wolff. No. 44,390; July 22; Gaz. vol. 192; p. 971.
- Apron. M. Volke. No. 44,046; May 13; Gaz. vol. 190; p. 527.
- Armband. R. A. Moore. No. 44,716; Oct. 7; Gaz. vol. 195; p. 260.
- Article of manufacture. E. Fulda. No. 44,674; Sept. 16; Gaz. vol. 194; p. 734.
- Article of manufacture. J. E. Grant. No. 45,061; Dec. 23; Gaz. vol. 197; p. 975.
- Ash-tray. Combination. F. W. Goerdes. No. 44,956; Dec. 2; Gaz. vol. 197; p. 215.
- Asparagus-holder. A. Hepner. No. 44,103; May 27; Gaz. vol. 190; p. 1005.
- Automobile-body. M. J. Rothschild. No. 43,679; Mar. 4; Gaz. vol. 188; p. 222.
- Automobile-body. G. W. Dunham. No. 43,731; Mar. 18; Gaz. vol. 188; p. 791.
- Automobile-body. T. A. Kováts. No. 44,067; May 20; Gaz. vol. 190; p. 768.
- Automobile-body. G. R. Wadsworth. Nos. 44,156-7; June 3; Gaz. vol. 191; p. 271.
- Automobile-body. L. E. French. No. 44,760; Oct. 21; Gaz. vol. 195; p. 795.
- Automobile-body. E. H. Binns. No. 44,835; Nov. 4; Gaz. vol. 196; p. 254.
- Automobile-body. T. H. Millington. No. 44,851; Nov. 4; Gaz. vol. 196; p. 257.
- Automobile body and hood. G. R. Wadsworth. Nos. 44,647-8; Sept. 9; Gaz. vol. 194; p. 529.
- Automobile-bumper. R. B. Fageol. No. 43,740; Mar. 25; Gaz. vol. 188; p. 1032.
- Automobile-engines, Hood for. J. G. Perrin. No. 44,382; July 22; Gaz. vol. 192; p. 969.
- Automobile-horn. R. H. Manson. No. 43,505; Feb. 4; Gaz. vol. 187; p. 212.
- Automobile-horn. E. Aufero. No. 43,732; Mar. 25; Gaz. vol. 188; p. 1030.
- Automobile-horn. J. J. Cohn. Nos. 43,735-7; Mar. 25; Gaz. vol. 188; p. 1031.
- Automobile-horn. V. E. Tollefson. No. 43,806; Apr. 1; Gaz. vol. 189; p. 229.
- Automobile-horn. S. Scognamillo. No. 44,452; Aug. 5; Gaz. vol. 193; p. 204.
- Automobile-horn. S. Scognamillo. No. 44,548; Aug. 19; Gaz. vol. 193; p. 734.
- Automobile horn and motor-casing. S. Scognamillo. Nos. 44,589-91; Aug. 26; Gaz. vol. 193; pp. 992-3.
- Automobile motor-casing. R. E. Carswell. No. 44,234; June 24; Gaz. vol. 191; p. 1048.
- Automobile pry-bar. L. V. Walkley. No. 44,327; July 8; Gaz. vol. 192; p. 498.
- Automobile radiator-indicators. Casing for. H. H. Boyce. No. 43,987; May 13; Gaz. vol. 190; p. 516.
- Automobile rear fender. A. L. Garford. No. 43,997; May 13; Gaz. vol. 190; p. 518.
- Badge. B. E. Hayes. No. 43,501; Feb. 4; Gaz. vol. 187; p. 211.
- Badge. G. Pomeroy. No. 43,557; Feb. 11; Gaz. vol. 187; p. 490.
- Badge. D. Stewart. No. 44,039; May 13; Gaz. vol. 190; p. 526.
- Badge. W. Atkinson. No. 44,161; June 10; Gaz. vol. 191; p. 563.
- Badge. C. V. Gulick. No. 44,271; July 1; Gaz. vol. 192; p. 196.
- Badge. C. J. Dieges. No. 44,363; July 22; Gaz. vol. 192; p. 966.
- Badge. C. J. Dieges. No. 44,630; Sept. 9; Gaz. vol. 194; p. 525.
- Badge. A. A. Dix. No. 44,659; Sept. 16; Gaz. vol. 194; p. 732.
- Badge. M. C. Fairfield. No. 44,919; Nov. 25; Gaz. vol. 196; p. 1025.
- Badge, brooch, pin, button, buckle, watch-charm, emblem, insignia, &c. J. T. Bailey. No. 44,509; Aug. 19; Gaz. vol. 193; p. 727.
- Badge, brooch, pin, button, buckle, watch-charm, emblem, insignia, or similar article. J. T. Bailey. No. 44,464; Aug. 12; Gaz. vol. 193; p. 478.
- Badge or emblem. P. Dormey. No. 44,364; July 22; Gaz. vol. 192; p. 966.
- Badge or similar article. L. K. Mathews. No. 44,689; Sept. 23; Gaz. vol. 194; p. 931.
- Badge or similar article. J. V. Buckle. No. 44,913; Nov. 25; Gaz. vol. 196; p. 1023.
- Badge or similar article. A. Brill. No. 45,084; Dec. 30; Gaz. vol. 197; p. 1270.
- Badge, pin, button, emblem, insignia, or similar article. W. Wisniewski. No. 44,949; Nov. 25; Gaz. vol. 196; p. 1030.
- Badge, pin, or similar article. J. F. B. Ferry. No. 44,402; July 29; Gaz. vol. 192; p. 1238.
- Bag, Chatelaine-. J. V. and E. A. Cunniff. No. 43,670; Mar. 4; Gaz. vol. 188; p. 220.
- Ball, Playing-. G. C. Worthington. No. 45,082; Dec. 23; Gaz. vol. 197; p. 978.
- Bank and stand. Savings-. C. De Yoos. No. 44,625; Sept. 2; Gaz. vol. 194; p. 259.
- Barrel-rim. H. E. Whitney. No. 44,392; July 22; Gaz. vol. 192; p. 971.
- Basket. G. E. Chatillon. No. 44,123; June 3; Gaz. vol. 191; p. 267.
- Basket, Woven palm-leaf. B. M. Chester. No. 44,747; Oct. 21; Gaz. vol. 195; p. 792.
- Bath body, Shower-. F. Bockelman. No. 43,664; Mar. 4; Gaz. vol. 188; p. 219.
- Bath cabinet, Vapor-. J. F. Kruse. No. 44,767; Oct. 21; Gaz. vol. 195; p. 796.
- Bath-stand, Baby. I. R. Merry. No. 44,486; Aug. 12; Gaz. vol. 193; p. 483.
- Bath tub, Vapor-. A. M. Medaris and R. F. Powell. No. 44,378; July 22; Gaz. vol. 192; p. 969.
- Bathing-cap. E. A. Guinzburg. No. 44,783; Oct. 28; Gaz. vol. 195; p. 1025.
- Bathing-cap. E. A. Guinzburg. No. 44,840; Nov. 4; Gaz. vol. 196; p. 255.
- Bed and couch, Combined folding. D. M. Pimes. No. 43,851; Apr. 15; Gaz. vol. 189; p. 755.
- Bed-pan. A. H. Thiele. No. 43,834; Apr. 8; Gaz. vol. 189; p. 499.
- Bed-spring frames, Corner member for. J. M. Adams. No. 44,229; June 24; Gaz. vol. 191; p. 1044.
- Bedsread. F. Lloyd. No. 44,010; May 13; Gaz. vol. 190; p. 521.
- Bedstead-fitting. J. W. Vail. No. 45,052; Dec. 16; Gaz. vol. 197; p. 760.
- Bench. L. G. Haase. No. 44,562; Aug. 26; Gaz. vol. 193; p. 987.
- Beverage-heater. C. Gentle. No. 43,958; May 6; Gaz. vol. 190; p. 238.
- Bicycle-frame. E. J. Lonn. Nos. 44,248-50; June 24; Gaz. vol. 191; p. 1047.
- Bicycle-frame. E. J. Lonn. No. 44,950; Nov. 25; Gaz. vol. 196; p. 1030.
- Billiard-table. J. G. Lobstein, Jr. No. 43,462; Jan. 21; Gaz. vol. 186; p. 776.
- Billiard-table. R. F. Maher. Nos. 43,464-6; Jan. 21; Gaz. vol. 186; p. 776.
- Billiard-table. R. F. Maher. No. 43,541; Feb. 11; Gaz. vol. 187; p. 486.
- Binding. A. E. Neff. No. 44,071; May 20; Gaz. vol. 190; p. 769.
- Bird-cage. N. W. Hendryx. No. 45,005; Dec. 9; Gaz. vol. 197; p. 505.
- Blanket or couch-cover. A. R. Jacobs. No. 44,725; Oct. 14; Gaz. vol. 195; p. 519.
- Block side. F. B. Mallory. No. 44,016; May 13; Gaz. vol. 190; p. 522.
- Block side. F. B. Mallory. No. 44,068; May 20; Gaz. vol. 190; p. 768.
- Block side. F. B. Mallory. No. 44,612; Sept. 2; Gaz. vol. 194; p. 257.
- Blouse, Child's. L. D. Zell. No. 44,718; Oct. 7; Gaz. vol. 195; p. 260.
- Boat. A. W. Crouch. No. 44,998; Dec. 9; Gaz. vol. 197; p. 503.
- Bonnet, Child's Quaker. A. Schwenke. No. 45,076; Dec. 23; Gaz. vol. 197; p. 977.
- Bookcase. H. E. Bryant. No. 43,588; Feb. 25; Gaz. vol. 187; p. 1081.
- Border-section. G. A. Henckel. No. 45,045; Dec. 16; Gaz. vol. 197; p. 759.
- Bottle. E. H. Nelson. No. 43,507; Feb. 4; Gaz. vol. 187; p. 212.
- Bottle. C. M. Schofield. No. 43,782; Apr. 1; Gaz. vol. 189; p. 224.
- Bottle. G. T. Brown. No. 43,814; Apr. 8; Gaz. vol. 189; p. 496.

Alphabetical list of designs—Continued.

- Bottle. A. E. Redlich. No. 43,827; Apr. 8; Gaz. vol. 189; p. 498.
- Bottle. J. Steele. No. 44,188; June 10; Gaz. vol. 191; p. 568.
- Bottle. E. H. Nelson. No. 44,217; June 17; Gaz. vol. 191; p. 808.
- Bottle. A. Alexander and A. M. Steinberg. No. 44,867; Nov. 11; Gaz. vol. 196; p. 505.
- Bottle. A. Alexander and A. M. Steinberg. Nos. 44,881-3; Nov. 18; Gaz. vol. 196; p. 783.
- Bottle, Hot-water. A. C. Becker. No. 43,895; Apr. 22; Gaz. vol. 189; p. 1004.
- Bottle-opener. H. L. Vaughan. No. 44,226; June 17; Gaz. vol. 191; p. 810.
- Bottle-opener. H. L. Vaughan. No. 44,945; Nov. 25; Gaz. vol. 196; p. 1029.
- Bottle-opener and button-hook. R. H. Foster. No. 44,839; Nov. 4; Gaz. vol. 196; p. 255.
- Bottle, Perfumery-. G. Dralle. No. 44,365; July 22; Gaz. vol. 192; p. 966.
- Bottle, Poison-. J. Wunder. No. 44,228; June 17; Gaz. vol. 191; p. 810.
- Bottle, syringe-bag, or similar article, Water-. F. O. Williams. Nos. 45,037-8; Dec. 9; Gaz. vol. 197; p. 511.
- Bow. J. W. Berwick. No. 44,431; Aug. 5; Gaz. vol. 193; p. 200.
- Bow-clasp. H. F. Juergens. No. 43,536; Feb. 11; Gaz. vol. 187; p. 486.
- Bow-clasp. W. F. Hicks. No. 43,926; Apr. 29; Gaz. vol. 189; p. 1256.
- Bowl or nappy. A. J. Sanford. Nos. 44,938-9; Nov. 25; Gaz. vol. 196; p. 1028.
- Bowl or tureen. D. W. Simmons. No. 44,595; Aug. 26; Gaz. vol. 193; p. 993.
- Box. V. Bogert. No. 44,432; Aug. 5; Gaz. vol. 193; p. 200.
- Box, Candy, perfumery, soap, or toilet-article. S. A. Vail. No. 43,583; Feb. 18; Gaz. vol. 187; p. 805.
- Box, Metal. S. J. Lebach. No. 44,928; Nov. 25; Gaz. vol. 196; p. 1026.
- Box or similar article. J. R. Foster. No. 44,058; May 20; Gaz. vol. 190; p. 766.
- Box-strip. R. Gair. Nos. 44,870-1; Nov. 11; Gaz. vol. 196; p. 506.
- Bracelet. S. O. Bigney. No. 43,985; May 13; Gaz. vol. 190; p. 516.
- Bracelet. R. Worms. Nos. 44,047-8; May 13; Gaz. vol. 190; p. 528.
- Bracelet. M. L. Robbins. Nos. 44,542-5; Aug. 19; Gaz. vol. 193; p. 733.
- Bracelet. A. Y. Cunningham. No. 44,556; Aug. 26; Gaz. vol. 193; p. 986.
- Bracelet-guard. F. A. Bagnall. No. 44,265; July 1; Gaz. vol. 192; p. 196.
- Bracelet or similar article. T. A. Tobiasson. No. 43,560; Feb. 11; Gaz. vol. 187; p. 490.
- Bracket. C. Metcalf. No. 44,132; June 3; Gaz. vol. 191; p. 268.
- Braid or trimming. R. H. Averns. Nos. 43,977-83; May 13; Gaz. vol. 190; pp. 515-16.
- Brassiere, Bust-reducer. M. Perillat. No. 44,411; July 29; Gaz. vol. 192; p. 1240.
- Bridle-check. F. C. Monier. No. 44,771; Oct. 21; Gaz. vol. 195; p. 797.
- Brooch, badge, or scarf-pin. A. E. Keller. No. 44,064; May 20; Gaz. vol. 190; p. 768.
- Brooch, button, or similar article. L. Bentz. No. 43,810; Apr. 1; Gaz. vol. 189; p. 230.
- Brooch, button, pin, buckle, or watch-charm. W. L. Westlake. No. 43,859; Apr. 15; Gaz. vol. 189; p. 757.
- Brush handle, Shaving-. J. L. Erskine. No. 43,693; Mar. 11; Gaz. vol. 188; p. 490.
- Brush spray-head, Air-. N. M. Hansen. No. 43,801; Apr. 1; Gaz. vol. 189; p. 228.
- Brush, Toilet-. J. H. Scheuer. Nos. 44,415-19; July 29; Gaz. vol. 192; p. 1241.
- Brush, Tooth-. C. E. Carroll. No. 44,997; Dec. 9; Gaz. vol. 197; p. 503.
- Buckle. C. W. Warner. No. 43,584; Feb. 18; Gaz. vol. 187; p. 806.
- Buckle. W. A. Schleicher. No. 44,075; May 20; Gaz. vol. 190; p. 770.
- Buckle-plate for uniform-belts. A. J. Stobbart. No. 44,596; Aug. 26; Gaz. vol. 193; p. 993.
- Buckle-shield. E. A. Pfueger. No. 44,412; July 29; Gaz. vol. 192; p. 1240.
- Buckle, Shield-. R. A. Schwahn. No. 44,941; Nov. 25; Gaz. vol. 196; p. 1029.
- Buggy-body. J. Kern. No. 44,446; Aug. 5; Gaz. vol. 193; p. 203.
- Button. W. Frenz. No. 43,719; Mar. 18; Gaz. vol. 188; p. 789.
- Button. W. L. Rothschild. No. 43,970; May 6; Gaz. vol. 190; p. 240.
- Button. G. L. Phillips. No. 44,024; May 13; Gaz. vol. 190; p. 523.
- Button. R. Gorton. No. 44,098; May 27; Gaz. vol. 190; p. 1004.
- Button. A. Henderson. No. 44,239; June 24; Gaz. vol. 191; p. 1045.
- Button. P. Director. Nos. 44,302-3; July 8; Gaz. vol. 192; p. 494.
- Button. W. L. Rothschild. No. 44,413; July 29; Gaz. vol. 192; p. 1241.
- Button. A. J. Stobbart. No. 44,597; Aug. 26; Gaz. vol. 193; p. 994.
- Button. C. J. Smith. No. 44,693; Sept. 23; Gaz. vol. 194; p. 932.
- Button. J. H. Hawley. Nos. 44,841-2; Nov. 4; Gaz. vol. 196; p. 255.
- Button. J. H. Hawley. Nos. 45,003-4; Dec. 9; Gaz. vol. 197; pp. 504-5.
- Button. J. H. Hawley. Nos. 45,062-3; Dec. 23; Gaz. vol. 197; p. 975.
- Button, fob, or similar article of jewelry. F. H. Brigham. No. 43,838; Apr. 15; Gaz. vol. 189; p. 753.
- Cabinet. J. Rubino. No. 43,896; Apr. 22; Gaz. vol. 189; p. 1004.
- Cabinet. N. H. Holland. No. 44,638; Sept. 9; Gaz. vol. 194; p. 527.
- Cabinet. H. B. Bertine. No. 44,650; Sept. 16; Gaz. vol. 194; p. 730.
- Cabinet. K. F. G. Goetting. No. 45,043; Dec. 16; Gaz. vol. 197; p. 758.
- Cabinet. F. D. Lewis. No. 45,048; Dec. 16; Gaz. vol. 197; p. 759.
- Cabinet, Advertising-. C. F. Garniss. No. 44,559; Aug. 26; Gaz. vol. 193; p. 986.
- Cabinet for sound recording and reproducing machines and the like. J. M. Wintrob. No. 44,624; Sept. 2; Gaz. vol. 194; p. 259.
- Cabinet for sound-reproducing machines. M. Keen. Nos. 43,961-4; May 6; Gaz. vol. 190; pp. 238-9.
- Cabinet, Metallic storage-. C. A. Ellis. No. 44,093; May 27; Gaz. vol. 190; p. 1003.
- Cabinet, Spool-. W. A. Leonard. No. 44,611; Sept. 2; Gaz. vol. 194; p. 256.
- Calculator. E. E. Sauze. No. 43,451; Jan. 14; Gaz. vol. 186; p. 537.
- Calendar, Memorandum-pad. F. A. Weeks. No. 43,708; Mar. 11; Gaz. vol. 188; p. 492.
- Can. G. Ackermann. No. 44,463; Aug. 12; Gaz. vol. 193; p. 478.
- Can, jar, or similar article. W. A. Lorenz. No. 44,131; June 3; Gaz. vol. 191; p. 268.
- Can, jar, or similar article. W. A. Lorenz. Nos. 44,929-31; Nov. 25; Gaz. vol. 196; p. 1027.
- Can or container. M. V. Tessier. No. 43,445; Jan. 7; Gaz. vol. 186; p. 274.
- Can or container. M. V. Tessier. Nos. 43,486-7; Jan. 21; Gaz. vol. 186; p. 780.
- Candelabrum. R. P. Newton and T. W. O'Keefe. No. 44,252; June 24; Gaz. vol. 191; p. 1048.
- Candelabrum. F. and W. L. Wagner. No. 44,947; Nov. 25; Gaz. vol. 196; p. 1030.
- Candelabrum-base. C. H. Guenther. No. 44,170; June 10; Gaz. vol. 191; p. 564.
- Candle. E. J. Knapp. No. 44,480; Aug. 12; Gaz. vol. 193; p. 482.
- Candlestick. A. J. Berggren. No. 44,397; July 29; Gaz. vol. 192; p. 1238.
- Candlestick. H. E. Shumway. No. 44,943; Nov. 25; Gaz. vol. 196; p. 1029.
- Candy-box. J. E. Leikauf. No. 44,009; May 13; Gaz. vol. 190; p. 521.
- Canopy. E. L. White. Nos. 44,551-2; Aug. 19; Gaz. vol. 193; pp. 734-5.
- Canopy or reflector for artificial light. R. V. Owen. No. 43,967; May 6; Gaz. vol. 190; p. 239.
- Canteen, Miner's. J. Kopecky. No. 44,371; July 22; Gaz. vol. 192; p. 967.
- Cap, Bathing-. J. R. Parker. No. 43,849; Apr. 15; Gaz. vol. 189; p. 755.
- Cap, Bathing-. T. W. Miller. No. 45,015; Dec. 9; Gaz. vol. 197; p. 506.
- Cap-covering, Waterproof. P. G. Tilton. No. 44,042; May 13; Gaz. vol. 190; p. 527.
- Cap, Dusting-. J. Twinem. No. 44,347; July 15; Gaz. vol. 192; p. 721.
- Cap, Dusting-. J. Twinem. No. 44,458; Aug. 5; Gaz. vol. 193; p. 205.
- Cap-front ornament. E. F. Durand. No. 44,091; May 27; Gaz. vol. 190; p. 1003.
- Capital and arch. A. A. Cantin. No. 44,083; May 27; Gaz. vol. 190; p. 1001.
- Capital and architrave. A. A. Cantin. No. 44,084; May 27; Gaz. vol. 190; p. 1002.
- Car body, Funeral-. A. La Bell. No. 43,821; Apr. 8; Gaz. vol. 189; p. 497.
- Car-seat pedestal. R. B. Liddell. Nos. 43,460-1; Jan. 21; Gaz. vol. 186; p. 776.
- Cars, Footboard-register for motor-. E. H. Bickford. No. 43,663; Mar. 4; Gaz. vol. 188; p. 219.
- Carafe. W. D. Scott. No. 44,982; Dec. 2; Gaz. vol. 197; p. 219.
- Card-case. O. Valasek. No. 45,034; Dec. 9; Gaz. vol. 197; p. 510.
- Card, Christmas. E. D. Chase. No. 43,757; Apr. 1; Gaz. vol. 189; p. 219.

Alphabetical list of designs—Continued.

- Card, Playing-. W. C. Major. No. 43,543; Feb. 11; Gaz. vol. 187; p. 487.
- Card, Playing-. W. C. Major. Nos. 44,274-83; July 1; Gaz. vol. 192; pp. 197-8.
- Card, Souvenir-. G. V. Hugo. No. 43,820; Apr. 8; Gaz. vol. 189; p. 497.
- Cards, Back for. E. Sweet. No. 43,857; Apr. 15; Gaz. vol. 189; p. 756.
- Cards, Pack of playing-. J. C. Wilson. No. 44,430; July 29; Gaz. vol. 192; p. 1243.
- Cards, Suit of playing-. H. C. Jensen. No. 44,004; May 13; Gaz. vol. 190; p. 520.
- Cards, Suit of playing-. J. W. Armstrong. No. 44,395; July 29; Gaz. vol. 192; p. 1237.
- Carpet. J. Merry. Nos. 43,467-71; Jan. 21; Gaz. vol. 186; p. 777.
- Carpet. J. B. Moffat. Nos. 43,472-3; Jan. 21; Gaz. vol. 186; p. 777.
- Carpet. E. G. Sauer. No. 43,481; Jan. 21; Gaz. vol. 186; p. 779.
- Carpet. E. G. Sauer. No. 43,648; Feb. 25; Gaz. vol. 187; p. 1091.
- Carpet. W. A. Elliot. Nos. 43,760-1; Apr. 1; Gaz. vol. 189; p. 220.
- Carpet. R. F. Riddell. No. 43,780; Apr. 1; Gaz. vol. 189; p. 224.
- Carpet. W. A. Elliot. No. 43,872; Apr. 22; Gaz. vol. 189; p. 1000.
- Carpet. H. C. Lacouture. No. 43,876; Apr. 22; Gaz. vol. 189; p. 1001.
- Carpet. J. Merry. Nos. 43,878-81; Apr. 22; Gaz. vol. 189; pp. 1001-2.
- Carpet. J. Merry. Nos. 43,883-4; Apr. 22; Gaz. vol. 189; p. 1002.
- Carpet. W. A. Spring. Nos. 43,909-10; Apr. 22; Gaz. vol. 189; p. 1007.
- Carpet. J. Spring. Nos. 43,911-12; Apr. 22; Gaz. vol. 189; p. 1008.
- Carpet. W. A. Elliot. Nos. 43,993-4; May 13; Gaz. vol. 190; pp. 517-18.
- Carpet. M. R. Loudon. Nos. 44,012-14; May 13; Gaz. vol. 190; pp. 521-2.
- Carpet. J. B. Moffat. No. 44,020; May 13; Gaz. vol. 190; p. 523.
- Carpet. E. G. Sauer. No. 44,028; May 13; Gaz. vol. 190; p. 524.
- Carpet. E. G. Sauer. No. 44,030; May 13; Gaz. vol. 190; p. 524.
- Carpet. J. Spring. Nos. 44,037-8; May 13; Gaz. vol. 190; p. 526.
- Carpet. J. Merry. Nos. 44,212-15; June 17; Gaz. vol. 191; p. 807.
- Carpet. R. F. Riddell. No. 44,219; June 17; Gaz. vol. 191; p. 808.
- Carpet. W. A. Spring. No. 44,223; June 17; Gaz. vol. 191; p. 809.
- Carpet. W. A. Elliot. Nos. 44,268-70; July 1; Gaz. vol. 192; p. 196.
- Carpet. E. G. Sauer. Nos. 44,289-90; July 1; Gaz. vol. 192; p. 199.
- Carpet. E. G. Sauer. No. 44,295; July 1; Gaz. vol. 192; p. 200.
- Carpet. W. A. Elliot. No. 44,678; Sept. 23; Gaz. vol. 194; p. 929.
- Carpet. W. A. Elliot. Nos. 44,781-2; Oct. 28; Gaz. vol. 195; p. 1025.
- Carpet. H. C. Lacouture. No. 44,784; Oct. 28; Gaz. vol. 195; p. 1025.
- Carpet. J. Merry. Nos. 44,791-2; Oct. 28; Gaz. vol. 195; pp. 1026-7.
- Carpet. R. F. Riddell. No. 44,806; Oct. 28; Gaz. vol. 195; p. 1029.
- Carpet. F. Schindler. No. 44,819; Oct. 28; Gaz. vol. 195; p. 1032.
- Carpet. W. A. Spring. Nos. 44,824-5; Oct. 28; Gaz. vol. 195; p. 1033.
- Carpet. J. Merry. Nos. 44,848-9; Nov. 4; Gaz. vol. 196; p. 257.
- Carpet. J. B. Moffat. No. 44,852; Nov. 4; Gaz. vol. 196; p. 257.
- Carpet. W. A. Elliot. No. 44,888; Nov. 18; Gaz. vol. 196; p. 784.
- Carpet. J. Merry. No. 44,891; Nov. 18; Gaz. vol. 196; p. 785.
- Carpet. E. G. Sauer. No. 44,897; Nov. 18; Gaz. vol. 196; p. 786.
- Carpet. F. Schindler. No. 44,905; Nov. 18; Gaz. vol. 196; p. 788.
- Carpet. W. A. Elliot. Nos. 44,954-5; Dec. 2; Gaz. vol. 197; p. 214.
- Carpet. J. Merry. Nos. 44,960-1; Dec. 2; Gaz. vol. 197; p. 215.
- Carpet. J. Merry. Nos. 44,963-4; Dec. 2; Gaz. vol. 197; p. 216.
- Carpet. R. F. Riddell. Nos. 44,968-70; Dec. 2; Gaz. vol. 197; p. 217.
- Carpet. E. G. Sauer. Nos. 44,973-6; Dec. 2; Gaz. vol. 197; p. 218.
- Carpet. E. G. Sauer. No. 44,978; Dec. 2; Gaz. vol. 197; p. 218.
- Carpet. F. Schindler. Nos. 44,980-1; Dec. 2; Gaz. vol. 197; p. 219.
- Carpet. J. Spring. No. 44,986; Dec. 2; Gaz. vol. 197; p. 220.
- Carpet. W. A. Spring. Nos. 44,987-8; Dec. 2; Gaz. vol. 197; p. 220.
- Carpet. I. J. Vetter. No. 44,991; Dec. 2; Gaz. vol. 197; p. 221.
- Carpet. W. A. Elliot. Nos. 45,057-60; Dec. 23; Gaz. vol. 197; p. 974.
- Carpet. E. G. Sauer. Nos. 45,072-5; Dec. 23; Gaz. vol. 197; p. 977.
- Carpet. J. Spring. No. 45,077; Dec. 23; Gaz. vol. 197; p. 978.
- Carpet. I. J. Vetter. No. 45,079; Dec. 23; Gaz. vol. 197; p. 978.
- Carpet or rug. W. O. Dewsbury. No. 43,758; Apr. 1; Gaz. vol. 189; p. 220.
- Carpet or rug. J. G. Pegel. Nos. 43,775-8; Apr. 1; Gaz. vol. 189; p. 223.
- Carpet or rug. W. E. Sayers. No. 43,809; Apr. 1; Gaz. vol. 189; p. 230.
- Carpet or rug. J. L. Folsom. No. 43,920; Apr. 29; Gaz. vol. 189; p. 1255.
- Carpet or rug. H. A. Howe. No. 43,929; Apr. 29; Gaz. vol. 189; p. 1257.
- Carpet or rug. J. G. Pegal. No. 43,937; Apr. 29; Gaz. vol. 189; p. 1258.
- Carpet or rug. W. E. Sayers. Nos. 43,945-7; Apr. 29; Gaz. vol. 189; p. 1260.
- Carpet or rug. J. G. Pegel. No. 44,023; May 13; Gaz. vol. 190; p. 523.
- Carpet or rug. W. E. Sayers. Nos. 44,032-3; May 13; Gaz. vol. 190; p. 525.
- Carpet or rug. H. A. Howe. No. 44,242; June 24; Gaz. vol. 191; p. 1046.
- Carpet or rug. W. E. Sayers. Nos. 44,260-1; June 24; Gaz. vol. 191; p. 1049.
- Carpet or rug. H. A. Howe. No. 44,273; July 1; Gaz. vol. 192; p. 197.
- Carpet or rug. E. W. Trik. No. 44,502; Aug. 12; Gaz. vol. 193; p. 485.
- Carpet or rug. H. A. Howe. No. 44,639; Sept. 9; Gaz. vol. 194; p. 527.
- Carpet or rug. J. G. Pegel. Nos. 44,641-3; Sept. 9; Gaz. vol. 194; pp. 527-8.
- Carpet or rug. W. E. Sayers. No. 44,644; Sept. 9; Gaz. vol. 194; p. 528.
- Carpet or rug. J. G. Pegel. Nos. 44,893-6; Nov. 18; Gaz. vol. 196; pp. 785-6.
- Carpet or rug. W. E. Sayers. Nos. 44,901-4; Nov. 18; Gaz. vol. 196; pp. 787-8.
- Carton. L. Hirschfeld. Nos. 43,927-8; Apr. 29; Gaz. vol. 189; p. 1256.
- Cash-register casing. H. A. Dodge. No. 44,470; Aug. 12; Gaz. vol. 193; p. 479.
- Casing and stand for liquid-agitators. C. N. Ecklyn. No. 43,991; May 13; Gaz. vol. 190; p. 517.
- Casket, Burial-. J. Martinsak. No. 44,769; Oct. 21; Gaz. vol. 195; p. 796.
- Casket-handle. C. H. Hiser. No. 44,203; June 17; Gaz. vol. 191; p. 805.
- Casket handle, Burial-. C. Blesch. No. 44,189; June 17; Gaz. vol. 191; p. 803.
- Casket handle, Burial-. C. Blesch. No. 44,701; Sept. 30; Gaz. vol. 194; p. 1122.
- Casket handle-plate. W. M. Reese. No. 44,936; Nov. 25; Gaz. vol. 196; p. 1028.
- Casket plate, Burial-. C. Blesch. No. 44,626; Sept. 9; Gaz. vol. 194; p. 524.
- Casserole-holder. C. J. Travers. No. 43,915; Apr. 22; Gaz. vol. 189; p. 1008.
- Ceiling or shower plate. E. L. White. No. 44,550; Aug. 19; Gaz. vol. 193; p. 734.
- Chafing-dish. M. E. Johnson. No. 43,721; Mar. 18; Gaz. vol. 188; p. 789.
- Chain, Expansible. M. L. Robbins. Nos. 43,940-4; Apr. 29; Gaz. vol. 189; pp. 1259-60.
- Chair. V. A. Taylor. Nos. 43,440-4; Jan. 7; Gaz. vol. 186; pp. 273-4.
- Chair. W. F. Koken. No. 44,006; May 13; Gaz. vol. 190; p. 520.
- Chair. H. Eckerson. No. 44,752; Oct. 21; Gaz. vol. 195; p. 793.
- Chair-base. P. A. Selig. Nos. 44,498-9; Aug. 12; Gaz. vol. 193; p. 485.
- Chair, Reclining-. P. V. Martino. No. 44,728; Oct. 14; Gaz. vol. 195; p. 520.
- Chair-seat. P. A. Selig. No. 44,262; June 24; Gaz. vol. 191; p. 1050.
- Chairs or similar articles, Bottom for. L. Stickley. No. 44,776; Oct. 21; Gaz. vol. 195; p. 798.
- Chalk-holder. J. W. Johnson. No. 44,005; May 13; Gaz. vol. 190; p. 520.
- Chamber vessel. A. W. Jansen. No. 44,314; July 8; Gaz. vol. 192; p. 496.
- Change-receptacle. J. L. Krauss. No. 44,535; Aug. 19; Gaz. vol. 193; p. 732.
- Check-holder or indicator. J. R. Stanton. No. 44,500; Aug. 12; Gaz. vol. 193; p. 485.

Alphabetical list of designs—Continued.

- Chisel, Cold-. W. S. Thomson. No. 44,646; Sept. 9; Gaz. vol. 194; p. 528.
- Christmas tree. J. Sveda. No. 44,878; Nov. 11; Gaz. vol. 196; p. 507.
- Church for home devotion, Miniature. J. D. Arnold. No. 44,912; Nov. 25; Gaz. vol. 196; p. 1023.
- Churn-frame. E. A. Bye. No. 44,628; Sept. 9; Gaz. vol. 194; p. 525.
- Churn-frame. R. B. Disbrow and C. M. Carlson. No. 44,750; Oct. 21; Gaz. vol. 195; p. 793.
- Churn-stand. W. M. Bates. No. 44,331; July 15; Gaz. vol. 192; p. 718.
- Cigar and ash receiver. O. C. Dennis. No. 44,918; Nov. 25; Gaz. vol. 196; p. 1024.
- Cigar and cigarette case. G. A. Henckel. No. 44,128; June 3; Gaz. vol. 191; p. 268.
- Cigar-cutter. B. W. McClymont. No. 45,013; Dec. 9; Gaz. vol. 197; p. 506.
- Cigar-lighter. J. Berg. No. 44,995; Dec. 9; Gaz. vol. 197; p. 503.
- Cigar-lighter casing. P. A. Adamian and A. Dahan. No. 44,080; May 27; Gaz. vol. 190; p. 1001.
- Cigars, Box of. N. Weiss. No. 44,673; Sept. 16; Gaz. vol. 194; p. 734.
- Clasp. F. Hirsh. No. 44,063; May 20; Gaz. vol. 190; p. 767.
- Clip. G. Clements. No. 44,433; Aug. 5; Gaz. vol. 193; p. 200.
- Clock. E. S. Buckland. No. 43,733; Mar. 25; Gaz. vol. 188; p. 1030.
- Clock. C. F. Chouffet. No. 44,399; July 29; Gaz. vol. 192; p. 1238.
- Clock-case. P. J. McNerney. No. 43,544; Feb. 11; Gaz. vol. 187; p. 487.
- Clock-case. A. J. Flauder. No. 44,557; Aug. 26; Gaz. vol. 193; p. 986.
- Clock-case. A. J. Flauder. Nos. 44,607-8; Sept. 2; Gaz. vol. 194; p. 256.
- Clock-case. W. B. Rikard. No. 44,670; Sept. 16; Gaz. vol. 194; p. 733.
- Clock-case. M. Daving. No. 44,917; Nov. 25; Gaz. vol. 196; p. 1024.
- Clock-case. E. J. Smith. No. 45,095; Dec. 30; Gaz. vol. 197; p. 1272.
- Clock case, Alarm-. H. W. Wachtelhausen. No. 44,946; Nov. 25; Gaz. vol. 196; p. 1029.
- Closet-bowl. T. F. Payne. No. 43,850; Apr. 15; Gaz. vol. 189; p. 755.
- Closet-bowl. T. F. Payne. No. 44,489; Aug. 12; Gaz. vol. 193; p. 483.
- Clothes-line fastener. J. Murphy. No. 44,730; Oct. 14; Gaz. vol. 195; p. 520.
- Coat and hat rack. G. L. Leslie. No. 44,373; July 22; Gaz. vol. 192; p. 968.
- Coffee-mills and the like, Hopper for. E. E. Edgar. No. 43,865; Apr. 22; Gaz. vol. 189; p. 999.
- Coffee or tea pot. W. Luttringhaus. No. 44,210; June 17; Gaz. vol. 191; p. 807.
- Coffee-pot. A. H. S. Swan. No. 43,792; Apr. 1; Gaz. vol. 189; p. 226.
- Coffee-roaster frame. J. C. Prims. No. 44,540; Aug. 19; Gaz. vol. 193; p. 733.
- Coffin-handle. H. W. Hodgetts. No. 43,960; May 6; Gaz. vol. 190; p. 238.
- Collar. H. Schwarber. No. 44,547; Aug. 19; Gaz. vol. 193; p. 734.
- Collar attachment. J. I. Van Tochine. No. 44,115; May 27; Gaz. vol. 190; p. 1008.
- Collar, Bead. G. Kaylor. No. 44,708; Sept. 30; Gaz. vol. 194; p. 1124.
- Collar, Embroidered. N. Naja. No. 44,876; Nov. 11; Gaz. vol. 196; p. 507.
- Collar ornament, Emblematic. E. F. Durand. No. 44,089; May 27; Gaz. vol. 190; p. 1002.
- Collar-support. J. L. Murphy. No. 44,319; July 8; Gaz. vol. 192; p. 497.
- Comb. F. W. Crell. No. 43,567; Feb. 18; Gaz. vol. 187; p. 802.
- Comb. C. M. Proctor. No. 44,072; May 20; Gaz. vol. 190; p. 769.
- Combs or similar articles, Ornamental stock for. S. H. Schreiber. No. 43,906; Apr. 22; Gaz. vol. 189; p. 1007.
- Concrete house, Portable. C. F. Massey. No. 44,017; May 13; Gaz. vol. 190; p. 522.
- Condiment-holder. P. Ebeling. No. 43,759; Apr. 1; Gaz. vol. 189; p. 220.
- Confectionery-container. C. Cotton. No. 44,360; July 22; Gaz. vol. 192; p. 965.
- Container or jar. A. Baxter, Jr., and A. Marcher. No. 44,163; June 10; Gaz. vol. 191; p. 563.
- Cooking vessel. A. H. S. Swan. Nos. 43,855-6; Apr. 15; Gaz. vol. 189; p. 756.
- Cornet. F. W. Clement. No. 43,815; Apr. 8; Gaz. vol. 189; p. 496.
- Cornet. W. A. French. No. 44,095; May 27; Gaz. vol. 190; p. 1003.
- Cornet. A. J. Johnson. No. 45,091; Dec. 30; Gaz. vol. 197; p. 1272.
- Cornice, Openwork. A. A. Cantin. No. 43,839; Apr. 15; Gaz. vol. 189; p. 753.
- Corset. D. Grotta. No. 43,531; Feb. 11; Gaz. vol. 187; p. 485.
- Corset. T. F. Somers. No. 44,695; Sept. 23; Gaz. vol. 194; p. 932.
- Cruet. A. J. Sanford. No. 43,853; Apr. 15; Gaz. vol. 189; p. 755.
- Cup. V. F. Richter. No. 44,541; Aug. 19; Gaz. vol. 193; p. 733.
- Cup, bowl, or similar article. H. W. Hirschfeld. Nos. 43,844-5; Apr. 15; Gaz. vol. 189; p. 754.
- Cupboard and folding writing-table, Combined. H. Romanoff. No. 44,617; Sept. 2; Gaz. vol. 194; p. 258.
- Curtain and shade bracket. R. O. Williams. No. 45,081; Dec. 23; Gaz. vol. 197; p. 978.
- Curtain, Lace. J. Waterfield. Nos. 44,879-80; Nov. 11; Gaz. vol. 196; p. 508.
- Cutter-bar guard. R. J. Suhr. No. 44,224; June 17; Gaz. vol. 191; p. 809.
- Cycle carriage-body, Motor-. R. F. Rogers. No. 43,678; Mar. 4; Gaz. vol. 188; p. 222.
- Cycle frame, Motor-. G. H. Meiser. No. 43,625; Feb. 25; Gaz. vol. 187; p. 1087.
- Darner, Stocking-. N. A. Amster. No. 43,710; Mar. 18; Gaz. vol. 188; p. 787.
- Desk. G. L. Carruthers. No. 44,676; Sept. 23; Gaz. vol. 194; p. 929.
- Desk. H. J. Merle. No. 44,770; Oct. 21; Gaz. vol. 195; p. 797.
- Desk-pad holder. W. Y. Dear. No. 43,497; Feb. 4; Gaz. vol. 187; p. 210.
- Die. J. Merrill. No. 44,874; Nov. 11; Gaz. vol. 196; p. 507.
- Dish. M. Herbert. No. 43,720; Mar. 18; Gaz. vol. 188; p. 789.
- Dish. G. A. Henckel. No. 45,089; Dec. 30; Gaz. vol. 197; p. 1271.
- Dish, Covered. W. P. Graham. No. 45,002; Dec. 9; Gaz. vol. 197; p. 504.
- Dish, Dry-cereal. M. L. Van De Verg. No. 43,656; Feb. 25; Gaz. vol. 187; p. 1092.
- Dish, Glass. P. Ebeling. No. 43,800; Apr. 1; Gaz. vol. 189; p. 228.
- Dish-pan. G. E. Mittinger, Jr. No. 44,932; Nov. 25; Gaz. vol. 196; p. 1027.
- Display-card of hooks and eyes. E. Hafner. No. 43,742; Mar. 25; Gaz. vol. 188; p. 1032.
- Display-fixture. J. La Gatta. No. 44,560; Aug. 26; Gaz. vol. 193; p. 987.
- Display-fixture. O. F. Onken. No. 44,585; Aug. 26; Gaz. vol. 193; p. 991.
- Display-fixture with display of hosiery. M. A. Skall. No. 43,832; Apr. 8; Gaz. vol. 189; p. 499.
- Display-rack. M. C. Treadway. No. 44,078; May 20; Gaz. vol. 190; p. 770.
- Display-rack. C. A. Correll. No. 44,400; July 29; Gaz. vol. 192; p. 1238.
- Display-rack. J. J. Nenno. No. 44,539; Aug. 19; Gaz. vol. 193; p. 732.
- Display-rack. J. M. Perry. No. 44,666; Sept. 16; Gaz. vol. 194; p. 733.
- Display-rack support. J. Spieles. No. 44,619; Sept. 2; Gaz. vol. 194; p. 258.
- Display-stand. H. I. Hallett. No. 44,476; Aug. 12; Gaz. vol. 193; p. 481.
- Display-stand for jewelry. J. C. Wacha. No. 43,836; Apr. 8; Gaz. vol. 189; p. 479.
- Doll. R. O. Wilson. No. 43,680; Mar. 4; Gaz. vol. 188; p. 222.
- Doll. J. Eisenmann. Nos. 43,868-70; Apr. 22; Gaz. vol. 189; p. 1000.
- Doll. R. O. Wilson. No. 44,393; July 22; Gaz. vol. 192; p. 971.
- Doll, Bunny-. G. G. Drayton. No. 44,885; Nov. 18; Gaz. vol. 196; p. 784.
- Doll-head. J. Eisenmann. No. 43,867; Apr. 22; Gaz. vol. 189; p. 999.
- Doll-head. J. G. Kaempfer. No. 45,093; Dec. 30; Gaz. vol. 197; p. 1272.
- Doll, Sailor-boy. J. Eisenmann. No. 43,992; May 13; Gaz. vol. 190; p. 517.
- Dolls, One-piece stamped cape and hood for. R. Gross. No. 44,761; Oct. 21; Gaz. vol. 195; p. 795.
- Dolly. P. Emrich. No. 43,692; Mar. 11; Gaz. vol. 188; p. 490.
- Drain-pipe. J. Friedman. No. 44,609; Sept. 2; Gaz. vol. 194; p. 256.
- Drawer and cabinet pull. A. G. Weiser. No. 43,974; May 6; Gaz. vol. 190; p. 241.
- Dress. J. J. Goldman. No. 44,097; May 27; Gaz. vol. 190; p. 1004.
- Dresser, chiffonnier, or similar article. S. L. Bond. No. 44,745; Oct. 21; Gaz. vol. 195; p. 792.
- Drill frame, Bench-. G. O. Leopold. No. 43,803; Apr. 1; Gaz. vol. 189; p. 228.
- Drinking-straws, Receptacle for dispensing. R. P. Wilton. No. 43,730; Mar. 18; Gaz. vol. 188; p. 791.
- Drinking vessel or similar article. G. Truog, Jr. No. 44,043; May 13; Gaz. vol. 190; p. 527.
- Drinking vessel or similar article. P. Ebeling. No. 44,337; July 15; Gaz. vol. 192; p. 719.

Alphabetical list of designs—Continued.

- Drum-base for stoves. W. R. Jeavons. No. 45,008; Dec. 9; Gaz. vol. 197; p. 505.
- Drum, Stove-. W. R. Jeavons. No. 45,007; Dec. 9; Gaz. vol. 197; p. 505.
- Electric bracket. F. N. Olcott. Nos. 43,888-91; Apr. 22; Gaz. vol. 189; pp. 1003-4.
- Electric bracket. F. N. Olcott. No. 44,181; June 10; Gaz. vol. 191; p. 566.
- Electric cabinet, High-frequency. C. O. Nelson. No. 44,892; Nov. 18; Gaz. vol. 196; p. 785.
- Electric circuits, Attachment-plug for. F. H. Chapman and O. E. Kenney. No. 44,704; Sept. 30; Gaz. vol. 194; p. 1123.
- Electric fixture. E. E. Allbee. No. 44,349; July 22; Gaz. vol. 192; p. 963.
- Electric heater. W. S. Sheppard. No. 44,942; Nov. 25; Gaz. vol. 196; p. 1029.
- Electric illuminator. S. J. Stewart. No. 43,914; Apr. 22; Gaz. vol. 189; p. 1008.
- Electric-starter casing. E. V. Hartford. No. 44,369; July 22; Gaz. vol. 192; p. 967.
- Electric-switch face plate or trimming. H. Small. Nos. 44,454-5; Aug. 5; Gaz. vol. 193; p. 204.
- Electric-switch handle. J. G. Peterson. No. 44,935; Nov. 25; Gaz. vol. 196; p. 1027.
- Electric-switch terminal. M. Tibbetts. No. 44,155; June 3; Gaz. vol. 191; p. 271.
- Electrical conductors, Outlet-fitting for pipe-conduits for. W. G. Campbell. No. 43,713; Mar. 18; Gaz. vol. 188; p. 788.
- Electrolier. H. T. Howell. No. 43,535; Feb. 11; Gaz. vol. 187; p. 485.
- Electrolier. O. S. Strom. No. 43,972; May 6; Gaz. vol. 190; p. 240.
- Electrolier. H. Plaut. Nos. 45,018-20; Dec. 9; Gaz. vol. 197; p. 507.
- Electrolier, Street-. T. Wight. No. 43,488; Jan. 21; Gaz. vol. 186; p. 780.
- Elephant, Rocking or hobby. H. W. St. Denis and W. St. Dennis. No. 43,948; Apr. 29; Gaz. vol. 189; p. 1260.
- Emblem. J. H. Langrock. No. 43,698; Mar. 11; Gaz. vol. 188; p. 491.
- Emblem. K. Beetar. No. 44,350; July 22; Gaz. vol. 192; p. 963.
- Emblem. G. E. Nerney. No. 44,487; Aug. 12; Gaz. vol. 193; p. 483.
- Emblem, Fraternity-. W. E. Clarke. Nos. 44,052-3; May 20; Gaz. vol. 190; p. 765.
- Embroidery-alphabet. A. Luchinger. No. 44,727; Oct. 14; Gaz. vol. 195; p. 519.
- Embroidery foundation. J. M. Reis. Nos. 43,938-9; Apr. 29; Gaz. vol. 189; p. 1259.
- Embroidery foundation. J. M. Reis. Nos. 44,133-50; June 3; Gaz. vol. 191; pp. 268-70.
- Engine casing, Internal-combustion-. C. A. Neracher. No. 44,614; Sept. 2; Gaz. vol. 194; p. 257.
- Engine casting, Multicylinder-. W. Kelly. No. 44,726; Oct. 14; Gaz. vol. 195; p. 519.
- Engine, gear-case, and starter-frame. J. B. Peters. No. 43,826; Apr. 8; Gaz. vol. 189; p. 498.
- Engine-spark-plug-cleaning device, Gas-. K. C. Wells. No. 44,600; Aug. 26; Gaz. vol. 193; p. 994.
- Envelop. N. J. Pauly. No. 45,017; Dec. 9; Gaz. vol. 197; p. 507.
- Envelop, writing-paper, card, or similar article of stationery. C. Clements. No. 44,124; June 3; Gaz. vol. 191; p. 267.
- Escutcheon. S. A. Keller. No. 44,445; Aug. 5; Gaz. vol. 193; p. 203.
- Escutcheon-plate and knob. B. A. Hawley. No. 43,534; Feb. 11; Gaz. vol. 187; p. 485.
- Eyeglass-guard. F. A. Stevens. No. 43,913; Apr. 22; Gaz. vol. 189; p. 1008.
- Eyeglass-guard. F. A. Stevens. No. 44,423; July 29; Gaz. vol. 192; p. 1242.
- Eyeglass-mounting, Nose-guard for. C. N. Quimby. No. 44,322; July 8; Gaz. vol. 192; p. 497.
- Eyeglasses and lorgnettes, Handle for. J. C. Wells. No. 44,504; Aug. 12; Gaz. vol. 193; p. 485.
- Fabric-covering, Patchwork. A. Thaler. No. 44,501; Aug. 12; Gaz. vol. 193; p. 485.
- Fabric, Metallic. A. A. McRae. No. 44,729; Oct. 14; Gaz. vol. 195; p. 520.
- Fabric or wall-paper, Textile. G. Forestier. Nos. 43,594-5; Feb. 25; Gaz. vol. 187; p. 1082.
- Fabric or wall-paper, Textile. W. C. Foster. Nos. 43,596-608; Feb. 25; Gaz. vol. 187; pp. 1082-4.
- Fabric or wall-paper, Textile. E. Hartman. Nos. 43,611-12; Feb. 25; Gaz. vol. 187; p. 1085.
- Fabric or wall-paper, Textile. E. Hoch. Nos. 43,614-19; Feb. 25; Gaz. vol. 187; pp. 1085-6.
- Fabric or wall-paper, Textile. W. C. Korzinek. No. 43,621; Feb. 25; Gaz. vol. 187; p. 1086.
- Fabric or wall-paper, Textile. E. Munier. Nos. 43,633-8; Feb. 25; Gaz. vol. 187; p. 1089.
- Fabric or wall-paper, Textile. F. J. Schaetzel. Nos. 43,649-51; Feb. 25; Gaz. vol. 187; pp. 1091-2.
- Fabric, Printed textile. E. Hartman. No. 44,565; Aug. 26; Gaz. vol. 193; p. 987.
- Fabric, Printed textile. E. Hoch. Nos. 44,567-71; Aug. 26; Gaz. vol. 193; p. 988.
- Fabric, Printed textile. E. Munier. Nos. 44,576-83; Aug. 26; Gaz. vol. 193; pp. 990-1.
- Fabric, Printed textile. E. Hoch. No. 44,685; Sept. 23; Gaz. vol. 194; p. 930.
- Fabric, Textile. M. G. Curtis. No. 43,496; Feb. 4; Gaz. vol. 187; p. 210.
- Fabric, Textile. H. A. Hoffman. No. 43,571; Feb. 18; Gaz. vol. 187; p. 803.
- Fabric, Textile. R. Casaretto. Nos. 43,714-16; Mar. 18; Gaz. vol. 188; p. 788.
- Fabric, Textile. K. Nonaka. No. 43,773; Apr. 1; Gaz. vol. 189; p. 222.
- Fabric, Textile. H. Schroff and C. J. Cronk. No. 43,831; Apr. 8; Gaz. vol. 189; p. 498.
- Fabric, Textile. H. Maisch-Bitschenauer. No. 43,986; May 13; Gaz. vol. 190; p. 516.
- Fabric, Textile. H. Frank. No. 43,996; May 13; Gaz. vol. 190; p. 518.
- Fabric, Textile. G. George. Nos. 43,998-44,001; May 13; Gaz. vol. 190; pp. 518-19.
- Fabric, Textile. A. H. Kursheedt. No. 44,007; May 13; Gaz. vol. 190; p. 520.
- Fabric, Textile. J. J. Lambert. No. 44,008; May 13; Gaz. vol. 190; p. 521.
- Fabric, Textile. H. T. Loomis. No. 44,011; May 13; Gaz. vol. 190; p. 521.
- Fabric, Textile. R. Ruepp. No. 44,025; May 13; Gaz. vol. 190; p. 524.
- Fabric, Textile. E. Sins. No. 44,036; May 13; Gaz. vol. 190; p. 526.
- Fabric, Textile. E. W. Doughty. Nos. 44,266-7; July 1; Gaz. vol. 192; p. 196.
- Fabric, Textile. E. Hoch. No. 44,272; July 1; Gaz. vol. 192; p. 196.
- Fabric, Textile. J. Dornbusch. Nos. 44,335-6; July 15; Gaz. vol. 192; p. 719.
- Fabric, Textile. M. G. Curtis. No. 44,434; Aug. 5; Gaz. vol. 193; p. 200.
- Fabric, Textile. F. E. Frier. Nos. 44,438-9; Aug. 5; Gaz. vol. 193; p. 201.
- Fabric, Textile. A. A. Hasler. No. 44,531; Aug. 19; Gaz. vol. 193; p. 731.
- Fabric, Textile. G. George. Nos. 44,679-82; Sept. 23; Gaz. vol. 194; pp. 929-30.
- Fabric, Textile. H. Maisch-Bitschenauer. Nos. 44,687-8; Sept. 23; Gaz. vol. 194; p. 931.
- Fabric, Textile. P. Mouton. No. 44,691; Sept. 23; Gaz. vol. 194; p. 931.
- Fabric, Textile. E. Sins. No. 44,944; Nov. 25; Gaz. vol. 196; p. 1029.
- Fabric, Woven. W. T. Smith. No. 44,386; July 22; Gaz. vol. 192; p. 970.
- Fan, Rotary. W. Sparks. No. 43,510; Feb. 4; Gaz. vol. 187; p. 213.
- Faucet. W. G. Newton. No. 44,107; May 27; Gaz. vol. 190; p. 1006.
- Filing-cabinet. J. C. Dando. No. 44,748; Oct. 21; Gaz. vol. 195; p. 792.
- Filters, Globe for water-. L. H. C. Toedt. No. 43,835; Apr. 8; Gaz. vol. 189; p. 499.
- Fire-extinguishers, Bracket for holding. P. G. MacGregor. No. 44,015; May 13; Gaz. vol. 190; p. 522.
- Fire-screen. M. Steinhardter. Nos. 43,512-13; Feb. 4; Gaz. vol. 187; p. 213.
- Flat-iron, Electric. W. N. Pelouze. No. 43,508; Feb. 4; Gaz. vol. 187; p. 212.
- Floor-covering. P. O. Judson. No. 44,171; June 10; Gaz. vol. 191; p. 565.
- Floor-scraper. F. M. Layton. No. 44,927; Nov. 25; Gaz. vol. 196; p. 1026.
- Flower-pot. L. G. Haase. No. 44,563; Aug. 26; Gaz. vol. 193; p. 987.
- Flower-stand. F. E. Carlson. No. 44,915; Nov. 25; Gaz. vol. 196; p. 1024.
- Fly-killing device. H. Somers. No. 44,549; Aug. 19; Gaz. vol. 193; p. 734.
- Fly-trap. W. M. Murphy and J. J. Redner. No. 44,344; July 15; Gaz. vol. 192; p. 721.
- Fly-trap. G. Shikaku. No. 44,645; Sept. 9; Gaz. vol. 194; p. 528.
- Font, Holy-water. T. Lloyd. No. 44,374; July 22; Gaz. vol. 192; p. 968.
- Fork or analogous article. H. C. Quincy. No. 44,112; May 27; Gaz. vol. 190; p. 1007.
- Fountain, Drinking-. G. M. Page. Nos. 44,320-1; July 8; Gaz. vol. 192; p. 497.
- Fountain, Liquid-dispensing. F. W. Calvert. No. 44,555; Aug. 26; Gaz. vol. 193; p. 985.
- Fruit-stand. A. Nidermajer. No. 43,675; Mar. 4; Gaz. vol. 188; p. 221.
- Furniture-foot. S. M. Lawson. No. 43,822; Apr. 8; Gaz. vol. 189; p. 497.
- Furniture-leg shoe or protecting-tip. J. J. Buser. No. 44,952; Dec. 2; Gaz. vol. 197; p. 214.
- Furniture-leg shoe or protecting-tip. J. J. Buser. No. 44,996; Dec. 9; Gaz. vol. 197; p. 503.
- Game-board. J. L. Lake. No. 43,622; Feb. 25; Gaz. vol. 187; p. 1086.
- Game-board. W. R. Lockhart. No. 43,764; Apr. 1; Gaz. vol. 189; p. 221.

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- Game-board. W. C. Jaeger. No. 43,846; Apr. 15; Gaz. vol. 189; p. 754.
- Game-board. G. P. Guerin. No. 43,874; Apr. 22; Gaz. vol. 189; p. 1001.
- Game-board. P. Gallagher. No. 44,196; June 17; Gaz. vol. 191; p. 804.
- Game-board. J. H. Sargent. No. 44,588; Aug. 26; Gaz. vol. 193; p. 992.
- Garbage-receptacle. P. Persson. No. 44,110; May 27; Gaz. vol. 190; p. 1006.
- Garment for children. Outdoor winter play-. L. Van Slyke. No. 45,035; Dec. 9; Gaz. vol. 197; p. 510.
- Garment-protector for nursing mothers. S. Luttinger. No. 45,012; Dec. 9; Gaz. vol. 197; p. 506.
- Gas-burner, Inverted. C. A. Peterson. No. 43,677; Mar. 4; Gaz. vol. 188; p. 221.
- Gas-iron burner. R. Joyce. No. 44,208; June 17; Gaz. vol. 191; p. 806.
- Gas-log. J. A. Williams. No. 44,264; June 24; Gaz. vol. 191; p. 1050.
- Gas-mantles, Braided fabric for incandescent. W. Hoble. No. 43,744; Mar. 25; Gaz. vol. 188; p. 1032.
- Gem. Cut. M. L. Robbins. No. 44,937; Nov. 25; Gaz. vol. 196; p. 1028.
- Gem-setting. H. Ackerman. No. 44,160; June 10; Gaz. vol. 191; p. 563.
- Gem-settings, Base for. T. Mountford. No. 44,796; Oct. 28; Gaz. vol. 195; p. 1027.
- Gems, Setting for. T. Mountford. No. 44,797; Oct. 28; Gaz. vol. 195; p. 1027.
- Glass article, Cut-. W. B. Eick. No. 45,087; Dec. 30; Gaz. vol. 197; p. 1271.
- Glass dish, Cut-. F. R. Smith. No. 44,421; July 29; Gaz. vol. 192; p. 1242.
- Glass dish or similar article, Cut-. W. P. Feeney. Nos. 44,753-4; Oct. 21; Gaz. vol. 195; pp. 793-4.
- Glass dish or similar article, Cut-. H. H. Buckley. No. 44,914; Nov. 25; Gaz. vol. 196; p. 1024.
- Glass dome for ceiling-lights. K. Booth. No. 45,041; Dec. 16; Gaz. vol. 197; p. 758.
- Glass, Drinking-. C. Greer. No. 43,500; Feb. 4; Gaz. vol. 187; p. 211.
- Glass, Drinking-. C. Greer. No. 44,059; May 20; Gaz. vol. 190; p. 767.
- Glass, Drinking-. H. Pick. No. 44,616; Sept. 2; Gaz. vol. 194; p. 257.
- Glass drinking vessel or similar article. P. Ebeling. Nos. 44,338-9; July 15; Gaz. vol. 192; p. 720.
- Glass goblet or similar article. A. J. Bennett. No. 44,868; Nov. 11; Gaz. vol. 196; p. 506.
- Glass-holder. G. E. Curtiss. No. 44,301; July 8; Gaz. vol. 192; p. 494.
- Glass jar. J. C. Puetz. No. 44,495; Aug. 12; Gaz. vol. 193; p. 484.
- Glass jar. R. Haley. Nos. 44,762-5; Oct. 21; Gaz. vol. 195; pp. 795-6.
- Glass, Plate-. E. J. Dobbins. No. 44,435; Aug. 5; Gaz. vol. 193; p. 201.
- Glass representing glass panels, Decorative sheet. E. Offenbacher. No. 44,933; Nov. 25; Gaz. vol. 196; p. 1027.
- Glass shade. N. Kopp. No. 44,342; July 15; Gaz. vol. 192; p. 721.
- Glass shade. O. A. Mygatt. No. 44,613; Sept. 2; Gaz. vol. 194; p. 257.
- Glass shade for lights. K. Booth. Nos. 44,720-2; Oct. 14; Gaz. vol. 195; pp. 518-19.
- Glass, Sheet-. E. Brennecke. No. 44,296; July 8; Gaz. vol. 192; p. 493.
- Glass, Sheet-. E. J. Walsh. No. 44,425; July 29; Gaz. vol. 192; p. 1242.
- Glass, Sheet-. E. J. Walsh. No. 44,460; Aug. 5; Gaz. vol. 193; p. 205.
- Glass, Sheet-. J. S. Walsh. No. 44,622; Sept. 2; Gaz. vol. 194; p. 259.
- Glass, Sheet-. J. S. Walsh. Nos. 44,739-40; Oct. 14; Gaz. vol. 195; p. 522.
- Glass, Sheet-. E. J. Walsh. No. 44,948; Nov. 25; Gaz. vol. 196; p. 1030.
- Glass, Sheet-. E. J. Walsh. No. 45,036; Dec. 9; Gaz. vol. 197; p. 510.
- Glass vessel. D. J. Branning. Nos. 43,665-6; Mar. 4; Gaz. vol. 188; pp. 219-20.
- Glass vessel. P. Ebeling. No. 43,799; Apr. 1; Gaz. vol. 189; p. 228.
- Glass vessel. E. M. Bottome. Nos. 44,351-6; July 22; Gaz. vol. 192; pp. 964-5.
- Glass vessel. F. D. Greenan. No. 44,367; July 22; Gaz. vol. 192; p. 967.
- Glass vessel. W. T. Owen. No. 44,381; July 22; Gaz. vol. 192; p. 969.
- Glass vessel. R. Haley. Nos. 44,474-5; Aug. 12; Gaz. vol. 193; pp. 480-1.
- Glass vessel. G. Truog, Jr. No. 44,717; Oct. 7; Gaz. vol. 195; p. 260.
- Glass vessel. E. W. Heisey. No. 45,044; Dec. 16; Gaz. vol. 197; p. 758.
- Glass vessel, Cut-. W. Allen. No. 44,330; July 15; Gaz. vol. 192; p. 718.
- Glass vessel, Cut-. F. L. Morecroft. No. 44,875; Nov. 11; Gaz. vol. 196; p. 507.
- Glass vessel or similar article, Cut-. T. A. Shanley. No. 44,114; May 27; Gaz. vol. 190; p. 1007.
- Glass vessel, Pressed-. I. M. Clarke. No. 44,629; Sept. 9; Gaz. vol. 194; p. 525.
- Glassware vessel. W. H. Hawken. No. 44,003; May 13; Gaz. vol. 190; p. 519.
- Globe. E. Rhader. No. 43,969; May 6; Gaz. vol. 190; p. 240.
- Goblet. W. E. Hunter. No. 44,204; June 17; Gaz. vol. 191; p. 806.
- Goblet. W. E. Hunter. No. 44,661; Sept. 16; Gaz. vol. 194; p. 732.
- Goblet, Drinking-. M. L. Brede. No. 44,605; Sept. 2; Gaz. vol. 194; p. 255.
- Goblet or similar article. A. B. Gunthel. No. 43,533; Feb. 11; Gaz. vol. 187; p. 485.
- Goggle-frame. W. J. Bachmann. No. 43,514; Feb. 11; Gaz. vol. 187; p. 482.
- Golf-ball. A. Johnston. No. 43,673; Mar. 4; Gaz. vol. 188; p. 221.
- Golf-ball. H. D. Penney. No. 44,109; May 27; Gaz. vol. 190; p. 1006.
- Golf-ball. P. A. Martin and J. Stanley. Nos. 44,175-7; June 10; Gaz. vol. 191; pp. 565-6.
- Golf-ball. A. C. Wood. No. 44,227; June 17; Gaz. vol. 191; p. 810.
- Golf-ball. P. A. Martin and J. Stanley. No. 44,408; July 29; Gaz. vol. 192; p. 1240.
- Golf-club head. W. Mills. No. 43,885; Apr. 22; Gaz. vol. 189; p. 1003.
- Golf-club head. T. Taylor, Jr. No. 44,457; Aug. 5; Gaz. vol. 193; p. 205.
- Gown, Ceremonial. M. F. Lanier. No. 45,010; Dec. 9; Gaz. vol. 197; p. 506.
- Grave-inclosure. H. H. Althoff. No. 44,884; Nov. 18; Gaz. vol. 196; p. 783.
- Grave-marker. H. T. Brockman. No. 44,746; Oct. 21; Gaz. vol. 195; p. 792.
- Hair-pin. D. A. McCarthy. No. 44,447; Aug. 5; Gaz. vol. 193; p. 203.
- Hair-pin. J. A. Fleischmann. No. 44,635; Sept. 9; Gaz. vol. 194; p. 526.
- Hame-body, Sheet-metal. C. L. Wiedrich. No. 44,623; Sept. 2; Gaz. vol. 194; p. 259.
- Hammer. J. H. Nolan. No. 43,639; Feb. 25; Gaz. vol. 187; p. 1090.
- Hammer. H. B. Wilson and H. O. Gephart. Nos. 43,659-60; Feb. 25; Gaz. vol. 187; p. 1093.
- Hammer-head. P. Andersen. No. 44,649; Sept. 16; Gaz. vol. 194; p. 730.
- Harness-ring. W. Wakley. No. 44,503; Aug. 12; Gaz. vol. 193; p. 485.
- Harp sounding-board. M. A. Clark. No. 43,734; Mar. 25; Gaz. vol. 188; p. 1031.
- Hat. L. Alden. No. 44,910; Nov. 25; Gaz. vol. 196; p. 1023.
- Hat, cap, or similar article. J. E. Smith and W. F. Sult. No. 43,908; Apr. 22; Gaz. vol. 189; p. 1007.
- Hat-rack and umbrella-stand, Combined. F. C. Roberts. No. 44,711; Sept. 30; Gaz. vol. 194; p. 1125.
- Headlight. C. W. Dake. No. 44,469; Aug. 12; Gaz. vol. 193; p. 479.
- Headlight. H. M. Dawley. No. 44,606; Sept. 2; Gaz. vol. 194; p. 255.
- Hedge-trimmer frame. E. T. Bullock. No. 43,518; Feb. 11; Gaz. vol. 187; p. 483.
- Helmet-shield. E. F. Durand. No. 44,090; May 27; Gaz. vol. 190; p. 1002.
- Hinge. F. C. Grosskopf. No. 43,419; Jan. 7; Gaz. vol. 186; p. 269.
- Hinge-knuckles, Pair of. O. C. Rixson. No. 44,346; July 15; Gaz. vol. 192; p. 721.
- Hoof-pad. J. H. Curley. No. 43,738; Mar. 25; Gaz. vol. 188; p. 1031.
- Hook, Back-band. J. H. Estes. No. 43,739; Mar. 25; Gaz. vol. 188; p. 1031.
- Hopper disk or head. A. E. Rhoades. No. 44,151; June 3; Gaz. vol. 191; p. 270.
- Hopper, Feed-. S. Lieberknecht. No. 43,427; Jan. 7; Gaz. vol. 186; p. 270.
- Horn. P. C. Burns. No. 43,416; Jan. 7; Gaz. vol. 186; p. 268.
- Horn. P. C. Burns. No. 43,590; Feb. 25; Gaz. vol. 187; p. 1081.
- Horn, Automobile-. R. H. Manson. No. 43,574; Feb. 18; Gaz. vol. 187; p. 803.
- Hose connection, Fire-. A. Michak. No. 44,380; July 22; Gaz. vol. 192; p. 969.
- Hydroaeroplane-body. E. F. Gallaudet. No. 44,168; June 10; Gaz. vol. 191; p. 564.
- Ice-cream freezer support or stand. L. S. Pfouts. No. 43,578; Feb. 18; Gaz. vol. 187; p. 804.
- Ice-cream freezer support or stand. L. S. Pfouts. No. 43,580; Feb. 18; Gaz. vol. 187; p. 805.
- Igniters, Case for pocket-. F. W. Goerdes. No. 43,818; Apr. 8; Gaz. vol. 189; p. 496.
- Image. O. M. Simpson. No. 43,907; Apr. 22; Gaz. vol. 189; p. 1007.
- Ink-well. R. B. Head. No. 43,613; Feb. 25; Gaz. vol. 187; p. 1085.

Alphabetical list of designs—Continued.

- Inkstand. F. A. Weeks. No. 43,706; Mar. 11; Gaz. vol. 188; p. 492.
- Insulator. T. C. White. No. 44,118; May 27; Gaz. vol. 190; p. 1008.
- Iron. W. W. Shoe. No. 45,023; Dec. 9; Gaz. vol. 197; p. 508.
- Jar. A. J. Sanford. No. 43,437; Jan. 7; Gaz. vol. 186; p. 272.
- Jar. D. C. Ripley. No. 43,509; Feb. 4; Gaz. vol. 187; p. 212.
- Jar. D. A. Ripley. Nos. 44,182-3; June 10; Gaz. vol. 191; pp. 566-7.
- Jar. D. C. Jenkins. No. 44,243; June 24; Gaz. vol. 191; p. 1046.
- Jar or receptacle. J. C. Eichhorn. No. 43,566; Feb. 18; Gaz. vol. 187; p. 802.
- Jewel-case. L. Weidlich. Nos. 44,426-7; July 29; Gaz. vol. 192; pp. 1242-3.
- Jewel-case. L. Weidlich. No. 44,461; Aug. 5; Gaz. vol. 193; p. 206.
- Jewel-case. A. J. Flauder. No. 44,558; Aug. 26; Gaz. vol. 193; p. 986.
- Jewel-case. A. J. Flauder. Nos. 44,632-3; Sept. 9; Gaz. vol. 194; p. 526.
- Jewel-case. A. J. Flauder. No. 44,715; Oct. 7; Gaz. vol. 195; p. 260.
- Jewel-case. A. J. Flauder. No. 44,755; Oct. 21; Gaz. vol. 195; p. 794.
- Jewel-case. L. Weidlich. Nos. 44,777-9; Oct. 21; Gaz. vol. 195; p. 798.
- Jewel-mounting. H. Ackerman. Nos. 44,328-9; July 15; Gaz. vol. 192; p. 717.
- Jug, Molasses-. A. J. Sanford. No. 44,026; May 13; Gaz. vol. 190; p. 524.
- Jug or similar article. E. R. Thieler. No. 44,672; Sept. 16; Gaz. vol. 194; p. 734.
- Jug or similar article. W. H. Redington. No. 44,732; Oct. 14; Gaz. vol. 195; p. 520.
- Kite. H. E. Wilson. No. 43,562; Feb. 11; Gaz. vol. 187; p. 491.
- Knife, Fruit-. E. B. Lydick. No. 44,211; June 17; Gaz. vol. 191; p. 807.
- Knife, Kitchen-. R. K. Teller. No. 43,729; Mar. 18; Gaz. vol. 188; p. 791.
- Knives, forks, or similar articles, Handle for. J. R. Grabach. No. 44,526; Aug. 19; Gaz. vol. 193; p. 730.
- Knitted neck tie or scarf. J. Kellner and S. Worms. No. 44,370; July 22; Gaz. vol. 192; p. 967.
- Knitted necktie. J. Kellner and S. Worms. No. 43,459; Jan. 21; Gaz. vol. 186; p. 776.
- Knitted necktie or scarf. J. Kellner and S. Worms. No. 43,537; Feb. 11; Gaz. vol. 187; p. 486.
- Knitted necktie or scarf. J. Kellner and S. Worms. No. 43,572; Feb. 18; Gaz. vol. 187; p. 803.
- Knitted or crocheted tie. E. T. Church. No. 43,519; Feb. 11; Gaz. vol. 187; p. 483.
- Knitted sachet-bag with ornamental border. W. H. Carter. No. 43,417; Jan. 7; Gaz. vol. 186; p. 269.
- Knob, Door-. A. Gribko. No. 44,099; May 27; Gaz. vol. 190; p. 1004.
- Label-blank. A. J. Leck. No. 43,426; Jan. 7; Gaz. vol. 186; p. 270.
- Laboratory apparatus, Base for physical-. E. Cate. Nos. 44,333-4; July 15; Gaz. vol. 192; pp. 718-19.
- Lace-edging border. S. N. Goodman. No. 44,527; Aug. 19; Gaz. vol. 193; p. 730.
- Lace fabric. C. J. Watters. Nos. 43,585-6; Feb. 18; Gaz. vol. 187; p. 806.
- Lace, Levers. C. W. Birkin. Nos. 43,750-5; Apr. 1; Gaz. vol. 189; pp. 218-19.
- Lace, Levers. C. W. Birkin. Nos. 44,651-6; Sept. 16; Gaz. vol. 194; pp. 730-1.
- Lamp. E. A. Hawthorne. No. 43,696; Mar. 11; Gaz. vol. 188; p. 490.
- Lamp. E. A. Hawthorne. No. 44,238; June 24; Gaz. vol. 191; p. 1045.
- Lamp. G. Maiella. No. 44,316; July 8; Gaz. vol. 192; p. 496.
- Lamp. G. R. Wadsworth. No. 44,424; July 29; Gaz. vol. 192; p. 1242.
- Lamp. G. R. Wadsworth. No. 44,621; Sept. 2; Gaz. vol. 194; p. 258.
- Lamp. E. A. Hawthorne. No. 44,706; Sept. 30; Gaz. vol. 194; p. 1124.
- Lamp. M. Stein. No. 45,028; Dec. 9; Gaz. vol. 197; p. 509.
- Lamp. W. F. Anklam. Nos. 45,039-40; Dec. 16; Gaz. vol. 197; p. 757.
- Lamp, Automobile-. G. R. Wadsworth. Nos. 44,158-9; June 3; Gaz. vol. 191; p. 272.
- Lamp, Automobile-. W. S. Hamm and H. A. Douglas. No. 44,306; July 8; Gaz. vol. 192; p. 495.
- Lamp, Automobile-. R. M. Newbold. No. 44,449; Aug. 5; Gaz. vol. 193; p. 203.
- Lamp-base, Automobile. W. S. Hamm. Nos. 44,200-1; June 17; Gaz. vol. 191; p. 805.
- Lamp, Berth-. L. Schepmoes. Nos. 44,185-6; June 10; Gaz. vol. 191; p. 567.
- Lamp-body. F. Van Gelderen. No. 44,459; Aug. 5; Gaz. vol. 193; p. 205.
- Lamp-bracket. T. Wight. No. 43,975; May 6; Gaz. vol. 190; p. 241.
- Lamp-bracket. E. A. Hawthorne. No. 44,477; Aug. 12; Gaz. vol. 193; p. 481.
- Lamp-bracket. E. A. Hawthorne. Nos. 44,683-4; Sept. 23; Gaz. vol. 194; p. 930.
- Lamp-fixture. W. D. Ryan. No. 43,646; Feb. 25; Gaz. vol. 187; p. 1091.
- Lamp front, Berth-. W. S. Hamm. No. 44,564; Aug. 26; Gaz. vol. 193; p. 987.
- Lamp-globe. L. W. Young. No. 43,575; Feb. 18; Gaz. vol. 187; p. 804.
- Lamp-hood. E. A. Hawthorne. No. 44,308; July 8; Gaz. vol. 192; p. 495.
- Lamp, Miner's. C. Vistard. No. 44,079; May 20; Gaz. vol. 190; p. 770.
- Lamp-post. A. C. Raleigh. No. 43,968; May 6; Gaz. vol. 190; p. 240.
- Lamp-shade. L. W. Young. No. 43,448; Jan. 7; Gaz. vol. 186; p. 275.
- Lamp-shade. H. S. Evans. No. 43,526; Feb. 11; Gaz. vol. 187; p. 484.
- Lamp-shade. J. Scott. No. 43,726; Mar. 18; Gaz. vol. 188; p. 790.
- Lamp-shade. W. F. M. Hawe. No. 44,102; May 27; Gaz. vol. 190; p. 1005.
- Lamp-shade. E. W. Huttig. No. 44,104; May 27; Gaz. vol. 190; p. 1005.
- Lamp-shade. M. H. Sloan. No. 44,115; May 27; Gaz. vol. 190; p. 1007.
- Lamp-shade. E. H. Peck. Nos. 44,255-6; June 24; Gaz. vol. 191; p. 1048.
- Lamp-shade. W. F. M. Hawe. No. 44,307; July 8; Gaz. vol. 192; p. 495.
- Lamp-shade. E. W. Huttig. Nos. 44,442-3; Aug. 5; Gaz. vol. 193; p. 202.
- Lamp-shade. E. W. Huttig. No. 44,478; Aug. 12; Gaz. vol. 193; p. 481.
- Lamp-shade. W. C. Leasure. No. 44,610; Sept. 2; Gaz. vol. 194; p. 256.
- Lamp-shade. E. B. Brown. Nos. 44,702-3; Sept. 30; Gaz. vol. 194; p. 1123.
- Lamp-shade. W. C. Leasure. No. 44,709; Sept. 30; Gaz. vol. 194; p. 1124.
- Lamp-shade. L. H. Nash. No. 44,731; Oct. 14; Gaz. vol. 195; p. 520.
- Lamp-shade. E. W. Huttig. No. 45,006; Dec. 9; Gaz. vol. 197; p. 505.
- Lamp-shade. K. Booth. No. 45,054; Dec. 23; Gaz. vol. 197; p. 973.
- Lamp shade or casing panel. E. R. Estep. No. 43,694; Mar. 11; Gaz. vol. 188; p. 490.
- Lamp shade or reflector. F. L. Grant. No. 43,418; Jan. 7; Gaz. vol. 186; p. 269.
- Lamp shade or reflector. C. W. Heck. No. 43,421; Jan. 7; Gaz. vol. 186; p. 269.
- Lamp shades, domes, and the like, Panel for. F. P. Schoenhardt. No. 44,671; Sept. 16; Gaz. vol. 194; p. 734.
- Lamp-shades, &c., Glass panel for. H. O. Schmidt. No. 43,582; Feb. 18; Gaz. vol. 187; p. 805.
- Lamp, Signal-. O. F. Carr. No. 44,332; July 15; Gaz. vol. 192; p. 718.
- Lamp sockets, Covering for electric-. N. D. Bishop. No. 43,515; Feb. 11; Gaz. vol. 187; p. 482.
- Lamp-standard. P. S. Villmont. No. 44,325; July 8; Gaz. vol. 192; p. 498.
- Lamp-standard. M. Daving. No. 44,749; Oct. 21; Gaz. vol. 195; p. 793.
- Lamp-standard head. H. O. Rastetter. No. 44,860; Nov. 4; Gaz. vol. 196; p. 259.
- Lamp, Street-. E. S. Newbold. No. 44,450; Aug. 5; Gaz. vol. 193; p. 204.
- Lamp, Street-. J. M. Pitbaldo. No. 44,494; Aug. 12; Gaz. vol. 193; p. 484.
- Lamp, Vapor-. C. Nelson. No. 44,106; May 27; Gaz. vol. 190; p. 1006.
- Lantern. A. L. Edwards. No. 44,523; Aug. 19; Gaz. vol. 193; p. 730.
- Lantern. R. Thamm. No. 44,598; Aug. 26; Gaz. vol. 193; p. 994.
- Lantern-dome. J. H. Hill. No. 44,240; June 24; Gaz. vol. 191; p. 1046.
- Lantern, Tubular. C. L. Betts. No. 43,415; Jan. 7; Gaz. vol. 186; p. 268.
- Lantern, Tubular. J. H. Hill. No. 44,340; July 15; Gaz. vol. 192; p. 720.
- Latch, Door-. A. G. Weiser. No. 43,561; Feb. 11; Gaz. vol. 187; p. 491.
- Lather-rubber. G. W. Gill. No. 44,872; Nov. 11; Gaz. vol. 196; p. 506.
- Leather or like material. R. W. Owen. No. 44,772; Oct. 21; Gaz. vol. 195; p. 797.
- Lever. S. L. Allen. No. 43,953; May 6; Gaz. vol. 190; p. 237.
- License-tag bracket. W. A. Schleicher. Nos. 43,681-3; Mar. 4; Gaz. vol. 188; p. 222.
- Lifting-jack frame. I. E. Hindman. No. 43,502; Feb. 4; Gaz. vol. 187; p. 211.

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- Lifting-jack standard. J. H. Burkholder. No. 44,837; Nov. 4; Gaz. vol. 196; p. 255.
- Light-cluster for street lamps or posts. G. Schumacher. No. 43,482; Jan. 21; Gaz. vol. 186; p. 779.
- Light-fixture. L. Schepmoes. No. 43,652; Feb. 25; Gaz. vol. 187; p. 1092.
- Light-fixtures, Canopy or canopy-ring for. H. E. Gothberg, Jr. No. 43,609; Feb. 25; Gaz. vol. 187; p. 1084.
- Light-reflecting bowls, Hanger for. C. E. Jones. Nos. 44,843-5; Nov. 4; Gaz. vol. 196; p. 256.
- Light standard, Street. S. M. Colburn. Nos. 43,796-7; Apr. 1; Gaz. vol. 189; p. 227.
- Light standard, Street. J. M. Pettyjohn. No. 43,893; Apr. 22; Gaz. vol. 189; p. 1004.
- Light standard, Street. S. M. Colburn. Nos. 44,054-7; May 20; Gaz. vol. 190; p. 766.
- Lighting-fixture. R. V. Owen. No. 43,676; Mar. 4; Gaz. vol. 188; p. 221.
- Lighting-fixture. O. H. Mohr. No. 43,886; Apr. 22; Gaz. vol. 189; p. 1003.
- Lighting-fixture. L. W. Young. No. 44,120; May 27; Gaz. vol. 190; p. 1008.
- Lighting-fixture. O. H. Mohr. No. 44,216; June 17; Gaz. vol. 191; p. 808.
- Lighting-fixture. E. F. Guth. No. 44,403; July 29; Gaz. vol. 192; p. 1239.
- Lighting-fixture. O. H. Mohr. No. 44,409; July 29; Gaz. vol. 192; p. 1250.
- Lighting-fixture. A. Magui. Nos. 44,482-4; Aug. 12; Gaz. vol. 193; p. 482.
- Lighting-fixtures or similar articles, Shell for. R. S. Aspinwall. Nos. 44,699-700; Sept. 30; Gaz. vol. 194; p. 1122.
- Lighting-fixtures, Reflector-holder bowl for. A. D. Curtis. No. 43,864; Apr. 22; Gaz. vol. 189; p. 999.
- Linoleum, oil-cloth, or floor-covering. C. F. Humphreys. Nos. 43,422-3; Jan. 7; Gaz. vol. 186; pp. 269-70.
- Linoleum, oil-cloth, or floor-covering. H. Humphreys. Nos. 43,930-1; Apr. 29; Gaz. vol. 189; p. 1257.
- Linoleum, oil-cloth, or floor-covering. C. F. Humphreys. Nos. 43,932-4; Apr. 29; Gaz. vol. 189; pp. 1258-9.
- Linoleum, oil-cloth, or floor-covering. H. Wilde. Nos. 43,950-1; Apr. 29; Gaz. vol. 189; p. 1261.
- Linoleum, oil-cloth, or floor-covering. A. W. Drew. No. 43,990; May 13; Gaz. vol. 190; p. 517.
- Liquid-dispensing apparatus, Draft-arm for. H. S. Cornish. No. 43,669; Mar. 4; Gaz. vol. 188; p. 220.
- Liquid-dispensing apparatus, Receptacle for. H. S. Cornish. No. 43,591; Feb. 25; Gaz. vol. 187; p. 1081.
- Liquid dropper and pourer. J. J. O'Brien. No. 43,474; Jan. 21; Gaz. vol. 186; p. 777.
- Liquid-treating apparatus, Base for. L. S. Pfouts. No. 43,579; Feb. 18; Gaz. vol. 187; p. 805.
- Locket. J. R. Feeley. No. 44,401; July 29; Gaz. vol. 192; p. 1238.
- Locket. J. R. Feeley. Nos. 44,524-5; Aug. 19; Gaz. vol. 193; p. 730.
- Looking-glass and rack. J. Raff. No. 44,669; Sept. 16; Gaz. vol. 194; p. 733.
- Lorgnette. C. F. Bayer. No. 44,554; Aug. 26; Gaz. vol. 193; p. 985.
- Lorgnette. M. C. Foster. Nos. 44,756-9; Oct. 21; Gaz. vol. 195; pp. 794-5.
- Luffa sponge. E. H. Pusey. No. 44,218; June 17; Gaz. vol. 191; p. 808.
- Lunch-box. J. F. Lamb. No. 43,540; Feb. 11; Gaz. vol. 187; p. 486.
- Macaroni or other edible paste product. F. Becker. No. 43,813; Apr. 8; Gaz. vol. 189; p. 495.
- Mallet. A. C. Laws. No. 43,877; Apr. 22; Gaz. vol. 189; p. 1001.
- Mandolin-body. D. L. Day. No. 44,838; Nov. 4; Gaz. vol. 196; p. 255.
- Mandolite. H. W. Weymann. No. 43,684; Mar. 4; Gaz. vol. 188; p. 222.
- Massage device, Vacuum. F. O. Parker. No. 43,892; Apr. 22; Gaz. vol. 189; p. 1004.
- Massage-vibrators, Casing for. J. C. Safar. No. 43,807; Apr. 1; Gaz. vol. 189; p. 229.
- Match and cigarette holder. C. W. Hopkins. No. 43,802; Apr. 1; Gaz. vol. 189; p. 228.
- Match-box holder. J. L. Gaffney. No. 44,096; May 27; Gaz. vol. 190; p. 1003.
- Match-holder. F. L. Vernon. No. 44,326; July 8; Gaz. vol. 192; p. 498.
- Match-safe. A. Meyer. No. 44,379; July 22; Gaz. vol. 192; p. 969.
- Match-safe. L. T. Savage. No. 44,451; Aug. 5; Gaz. vol. 193; p. 204.
- Mattress. O. M. Burton. No. 43,449; Jan. 14; Gaz. vol. 186; p. 537.
- Medal. J. E. Dixon. No. 43,498; Feb. 4; Gaz. vol. 187; p. 211.
- Medallion. P. D. Sullivan. No. 44,456; Aug. 5; Gaz. vol. 193; p. 205.
- Medicinal tablet. M. K. Schinkal. No. 43,829; Apr. 8; Gaz. vol. 189; p. 498.
- Medicine-holder. D. S. Austin. No. 44,675; Sept. 23; Gaz. vol. 194; p. 928.
- Mirror and support, Shaving. D. J. McIsaac. No. 44,537; Aug. 19; Gaz. vol. 193; p. 732.
- Mirror-plateau. J. E. Rohrbeck. No. 44,113; May 27; Gaz. vol. 190; p. 1007.
- Mirrors, brushes, or similar articles, Back for. G. E. Fahys. No. 43,954; May 6; Gaz. vol. 190; p. 237.
- Monument. J. H. Steiner. No. 43,511; Feb. 4; Gaz. vol. 187; p. 213.
- Monument. L. M. Elwell. No. 43,662; Feb. 25; Gaz. vol. 187; p. 1093.
- Monument. F. J. Davis. No. 44,362; July 22; Gaz. vol. 192; p. 966.
- Monument. J. L. McBee. Nos. 44,375-6; July 22; Gaz. vol. 192; p. 968.
- Monument. A. Leonoff. No. 44,481; Aug. 12; Gaz. vol. 193; p. 482.
- Monument. F. J. Hanold. No. 44,530; Aug. 19; Gaz. vol. 193; p. 731.
- Monument, Memorial. F. J. Hanold. No. 43,610; Feb. 25; Gaz. vol. 187; p. 1084.
- Monument, Memorial. E. O. Townsend. No. 43,655; Feb. 25; Gaz. vol. 187; p. 1092.
- Motor-cycle side-car body. B. F. Koch. No. 44,572; Aug. 26; Gaz. vol. 193; p. 989.
- Motor-housing and gear-case, Combined. J. C. Steiner. No. 44,775; Oct. 21; Gaz. vol. 195; p. 797.
- Musical instrument. A. J. Bateman. No. 44,162; June 10; Gaz. vol. 191; p. 563.
- Nail-set. E. A. Bardwell. No. 44,834; Nov. 4; Gaz. vol. 196; p. 254.
- Nail set, Square-head. C. F. Mueller. No. 45,049; Dec. 16; Gaz. vol. 197; p. 760.
- Nappy. A. J. Sanford. No. 43,852; Apr. 15; Gaz. vol. 189; p. 755.
- Nebulizer. O. C. Stackhouse. No. 43,971; May 6; Gaz. vol. 190; p. 240.
- Necktie-holder. F. J. Hellborn. No. 45,064; Dec. 23; Gaz. vol. 197; p. 975.
- Needle and pin case. L. Adams. No. 43,918; Apr. 29; Gaz. vol. 189; p. 1255.
- Nose-guard. N. M. Baker. Nos. 44,230-1; June 24; Gaz. vol. 191; p. 1044.
- Nose-guard. W. G. King. No. 44,534; Aug. 19; Gaz. vol. 193; p. 731.
- Nozzle, Vacuum-cleaner. M. S. Wright. No. 43,794; Apr. 1; Gaz. vol. 189; p. 227.
- Number-display casing. S. Gee. No. 44,237; June 24; Gaz. vol. 191; p. 1045.
- Oil-can, Safety. A. L. Hansen. No. 44,405; July 29; Gaz. vol. 192; p. 1239.
- Orchestrion-case. J. P. Seeburg. Nos. 44,592-3; Aug. 26; Gaz. vol. 193; p. 993.
- Package, Sample. J. M. Bullock. No. 43,795; Apr. 1; Gaz. vol. 189; p. 227.
- Paper-clip. H. E. Grizzard. No. 44,957; Dec. 2; Gaz. vol. 197; p. 215.
- Paper, Crimped. J. D. Tompkins and F. H. Fuller. No. 44,387; July 22; Gaz. vol. 192; p. 970.
- Paper-knife. A. Peterson. No. 44,934; Nov. 25; Gaz. vol. 196; p. 1027.
- Paper, Wall. F. E. Leitch. No. 43,623; Feb. 25; Gaz. vol. 187; p. 1087.
- Paper-weight or statuette. E. Donnell. No. 44,953; Dec. 2; Gaz. vol. 197; p. 214.
- Pedal, Foot. S. S. Waldman. No. 43,657; Feb. 25; Gaz. vol. 187; p. 1093.
- Pedestal. H. O. Rastetter. No. 44,859; Nov. 4; Gaz. vol. 196; p. 259.
- Pen, Animal. H. J. Ferris. Nos. 43,457-8; Jan. 21; Gaz. vol. 186; p. 775.
- Penholder-rack. J. H. Foote. No. 43,873; Apr. 22; Gaz. vol. 189; p. 1001.
- Penwork-record. L. W. Gamble. No. 44,920; Nov. 25; Gaz. vol. 196; p. 1025.
- Pencil-tip. J. Scharl. No. 44,818; Oct. 28; Gaz. vol. 195; p. 1032.
- Pendant. G. W. Goodridge. No. 43,924; Apr. 29; Gaz. vol. 189; p. 1256.
- Phonograph sound-amplifier. W. F. P. Davis. No. 44,361; July 22; Gaz. vol. 192; p. 966.
- Photograph-holder. F. A. Johnson. No. 43,490; Jan. 28; Gaz. vol. 186; p. 966.
- Pianos and player-pianos, Case for. N. M. Crosby. Nos. 43,841-2; Apr. 15; Gaz. vol. 189; p. 753.
- Picture. M. E. Chapman. No. 43,667; Mar. 4; Gaz. vol. 188; p. 220.
- Picture-frame. A. Jacobson. No. 44,312; July 8; Gaz. vol. 192; p. 496.
- Picture-frame. A. J. Flauder. No. 44,869; Nov. 11; Gaz. vol. 196; p. 506.
- Picture or other article displaying stand. J. R. Foster. No. 45,000; Dec. 9; Gaz. vol. 197; p. 504.
- Pictures, mirrors, and similar articles, Frame for. J. R. Foster. Nos. 43,921-2; Apr. 29; Gaz. vol. 189; pp. 1255-6.
- Pillow-cover. H. Weil. No. 44,462; Aug. 5; Gaz. vol. 193; p. 206.
- Pillow-top or similar article. P. E. Goodrich. No. 44,921; Nov. 25; Gaz. vol. 196; p. 1025.

Alphabetical list of designs—Continued.

- Pin, brooch, charm, fob, or similar article of jewelry. O. C. Lamphear. No. 43,503; Feb. 4; Gaz. vol. 187; p. 211.
- Pincushion. J. Jirousek and E. Holan. No. 45,009; Dec. 9; Gaz. vol. 197; p. 505.
- Pince-nez, Mount for. A. Gance. No. 44,169; June 10; Gaz. vol. 191; p. 564.
- Pipe-bit. M. Mayer. No. 43,700; Mar. 11; Gaz. vol. 188; p. 491.
- Pipe coupling, Exposed-. D. M. Ireland. No. 44,311; July 8; Gaz. vol. 192; p. 495.
- Pipe coupling or nipple. A. McMurtrie. No. 43,804; Apr. 1; Gaz. vol. 189; p. 229.
- Pipe coupling or nipple. A. McMurtrie. No. 44,178; June 10; Gaz. vol. 191; p. 566.
- Pipe, Drinking-. A. S. Hills. No. 43,743; Mar. 25; Gaz. vol. 188; p. 1032.
- Pipe stem and mouthpiece, Smoking-. A. J. Jackson. No. 44,205; June 17; Gaz. vol. 191; p. 806.
- Pitcher. A. J. Sanford. No. 43,854; Apr. 15; Gaz. vol. 189; p. 756.
- Pitcher, Syrup-. R. Haley. No. 43,819; Apr. 8; Gaz. vol. 189; p. 496.
- Pitchers, Casing for vacuum-insulated. G. P. Altenberg. Nos. 44,601-2; Sept. 2; Gaz. vol. 194; pp. 254-5.
- Plate. C. J. Noke. No. 43,555; Feb. 11; Gaz. vol. 187; p. 490.
- Plate. E. E. Walter. No. 43,705; Mar. 11; Gaz. vol. 188; p. 492.
- Plate. W. S. Wagner. No. 43,973; May 6; Gaz. vol. 190; p. 241.
- Plate. J. T. Wigley. No. 43,976; May 6; Gaz. vol. 190; p. 241.
- Plate. E. R. Thieler. Nos. 44,153-4; June 3; Gaz. vol. 191; p. 271.
- Plate. A. W. Jansen. No. 44,315; July 8; Gaz. vol. 192; p. 496.
- Plate. J. T. Wigley. Nos. 44,505-8; Aug. 12; Gaz. vol. 193; p. 486.
- Plate. W. P. Graham. Nos. 44,528-9; Aug. 19; Gaz. vol. 193; pp. 730-1.
- Plate. T. Haviland. No. 44,566; Aug. 26; Gaz. vol. 193; p. 988.
- Plate. F. Pfaff. No. 44,586; Aug. 26; Gaz. vol. 193; p. 991.
- Plate, Cut and engraved transparent. H. P. Sinclair. No. 44,774; Oct. 21; Gaz. vol. 195; p. 797.
- Plate, dish, or similar article. E. and J. B. Boote. No. 43,516; Feb. 11; Gaz. vol. 187; p. 482.
- Plate, Extension-. E. L. White. No. 44,429; July 29; Gaz. vol. 192; p. 1243.
- Plate or similar article. J. W. Wadsworth. No. 43,793; Apr. 1; Gaz. vol. 189; p. 227.
- Plate or similar article. J. E. Goodwin. No. 43,843; Apr. 15; Gaz. vol. 189; p. 754.
- Plate or similar article. P. T. Frost. No. 43,923; Apr. 29; Gaz. vol. 189; p. 1256.
- Plate or similar article. C. A. May. Nos. 44,018-19; May 13; Gaz. vol. 190; p. 522.
- Plate or similar article. W. T. Rawlins. Nos. 44,073-4; May 20; Gaz. vol. 190; p. 769.
- Plate or similar article. E. Boote. No. 44,232; June 24; Gaz. vol. 191; p. 1044.
- Plate or similar article. P. T. Frost. Nos. 44,471-3; Aug. 12; Gaz. vol. 193; p. 480.
- Plate or similar article. P. W. Partridge. No. 44,488; Aug. 12; Gaz. vol. 193; p. 483.
- Plate or similar article. C. A. May. No. 44,690; Sept. 23; Gaz. vol. 194; p. 931.
- Plate or similar article. D. Hoyt. No. 44,707; Sept. 30; Gaz. vol. 194; p. 1124.
- Plate-rack. G. Schick. No. 45,022; Dec. 9; Gaz. vol. 197; p. 508.
- Playhouse, Folding. E. R. L. Thayer and E. H. Cassard. No. 43,949; Apr. 29; Gaz. vol. 189; p. 1261.
- Playhouse, Folding. E. R. L. Thayer and E. H. Cassard. No. 44,041; May 13; Gaz. vol. 190; p. 526.
- Plume. I. Bassett. No. 43,748; Apr. 1; Gaz. vol. 189; p. 218.
- Pneumatic-cleaner casing. L. L. Ferguson. No. 43,528; Feb. 11; Gaz. vol. 187; p. 484.
- Pneumatic-cleaner casing. J. B. Kirby. No. 43,674; Mar. 4; Gaz. vol. 188; p. 221.
- Pneumatic cleaning devices, Casing for. S. L. Casella. No. 43,717; Mar. 18; Gaz. vol. 188; p. 789.
- Portière. J. Hoye. No. 44,925; Nov. 25; Gaz. vol. 196; p. 1026.
- Post-card, Pictorial. A. Kirilow. No. 43,620; Feb. 25; Gaz. vol. 187; p. 1086.
- Powder can, Dome-top toilet-. A. J. Guidry. No. 44,100; May 27; Gaz. vol. 190; p. 1004.
- Printing apparatus, Casing for check-. C. H. Sampson. No. 44,587; Aug. 26; Gaz. vol. 193; p. 992.
- Printing-press stand. F. H. Quade, Jr. No. 44,773; Oct. 21; Gaz. vol. 195; p. 797.
- Protection-board bracket. E. E. Schmid. No. 44,979; Dec. 2; Gaz. vol. 197; p. 219.
- Pulley holder, Tension-. A. E. Rhoades. No. 43,581; Feb. 18; Gaz. vol. 187; p. 805.
- Pump and motor connecting piece. K. Kiefer. No. 43,723; Mar. 18; Gaz. vol. 188; p. 790.
- Pump-body. J. B. Garber. No. 44,724; Oct. 14; Gaz. vol. 195; p. 519.
- Pump-casing. C. D. Hill. No. 44,637; Sept. 9; Gaz. vol. 194; p. 526.
- Pump-casing. W. Sparks. No. 45,026; Dec. 9; Gaz. vol. 197; p. 509.
- Pump casing, Beer-. G. A. Knaak. No. 44,479; Aug. 12; Gaz. vol. 193; p. 481.
- Pumps, Casing for automobile tire-. W. W. Sloane and N. S. Richmond. No. 44,453; Aug. 5; Gaz. vol. 193; p. 204.
- Puzzle. C. Kalla. No. 44,172; June 10; Gaz. vol. 191; p. 565.
- Puzzle-board. E. C. Wilson. No. 43,452; Jan. 14; Gaz. vol. 186; p. 537.
- Rack. F. P. Lamphare. No. 44,372; July 22; Gaz. vol. 192; p. 968.
- Radiator. J. S. Booth. No. 44,233; June 24; Gaz. vol. 191; p. 1044.
- Radiator, Automobile-. C. A. Neracher. No. 44,179; June 10; Gaz. vol. 191; p. 566.
- Radiator-casing, Automobile. G. E. Wheeler. Nos. 43,685-8; Mar. 4; Gaz. vol. 188; p. 223.
- Range, Electric. J. I. Ayer. No. 44,719; Oct. 14; Gaz. vol. 195; p. 518.
- Range, Gas-. J. S. Van Buren. No. 44,599; Aug. 26; Gaz. vol. 193; p. 994.
- Range, Gas-. J. A. Alexander and F. K. Berry. No. 44,951; Dec. 2; Gaz. vol. 197; p. 214.
- Rattle. J. Solony. No. 43,833; Apr. 8; Gaz. vol. 189; p. 499.
- Razor-blade. H. J. Gaisman. No. 43,817; Apr. 8; Gaz. vol. 189; p. 496.
- Receptacle, Wall-. F. Herold. No. 44,922; Nov. 25; Gaz. vol. 196; p. 1025.
- Reflector. J. R. Cravath. No. 43,840; Apr. 15; Gaz. vol. 189; p. 753.
- Reflector. J. R. Cravath. No. 44,086; May 27; Gaz. vol. 190; p. 1002.
- Reflector. A. C. Einstein. No. 44,092; May 27; Gaz. vol. 190; p. 1003.
- Reflector-shade. J. H. Strong. No. 44,620; Sept. 2; Gaz. vol. 194; p. 258.
- Refrigerator. A. S. Klein. No. 43,697; Mar. 11; Gaz. vol. 188; p. 491.
- Refrigerator. L. S. Chadwick. No. 44,467; Aug. 12; Gaz. vol. 193; p. 479.
- Relay-casing. O. A. Ross. No. 44,323; July 8; Gaz. vol. 192; p. 498.
- Ring. C. V. Gulick. No. 43,925; Apr. 29; Gaz. vol. 189; p. 1256.
- Ring. E. La Vine. No. 44,926; Nov. 25; Gaz. vol. 196; p. 1026.
- Ring, Finger-. W. L. Larned. No. 45,011; Dec. 9; Gaz. vol. 197; p. 506.
- Ring or similar article. M. L. and M. L. Bowden, Jr. Nos. 44,513-16; Aug. 19; Gaz. vol. 193; p. 728.
- Ring, Wedding-. J. Simmons and P. Abrahams. No. 44,420; July 29; Gaz. vol. 192; p. 1241.
- Roofing-cleat. H. R. Wardell. No. 43,658; Feb. 25; Gaz. vol. 187; p. 1093.
- Rubber bathing-cap. R. Parker. No. 43,556; Feb. 11; Gaz. vol. 187; p. 490.
- Rubber brush. O. Eick. Nos. 44,436-7; Aug. 5; Gaz. vol. 193; p. 201.
- Rubber cushion. W. A. Force. No. 43,499; Feb. 4; Gaz. vol. 187; p. 211.
- Rubber, Lady's. W. C. Mohr. No. 44,574; Aug. 26; Gaz. vol. 193; p. 989.
- Rubber mat. E. Hutchens. No. 44,890; Nov. 18; Gaz. vol. 196; p. 784.
- Rug. A. Petzold. Nos. 43,428-35; Jan. 7; Gaz. vol. 186; pp. 271-2.
- Rug. W. A. Elliot. No. 43,456; Jan. 21; Gaz. vol. 186; p. 775.
- Rug. A. Petzold. No. 43,476; Jan. 21; Gaz. vol. 186; p. 778.
- Rug. R. F. Riddell. No. 43,477; Jan. 21; Gaz. vol. 186; p. 778.
- Rug. E. G. Sauer. Nos. 43,478-80; Jan. 21; Gaz. vol. 186; pp. 778-9.
- Rug. J. Spring. Nos. 43,483-4; Jan. 21; Gaz. vol. 186; p. 779.
- Rug. J. Merry. Nos. 43,626-31; Feb. 25; Gaz. vol. 187; pp. 1087-8.
- Rug. J. B. Moffat. No. 43,632; Feb. 25; Gaz. vol. 187; p. 1088.
- Rug. A. Petzold. Nos. 43,640-2; Feb. 25; Gaz. vol. 187; p. 1090.
- Rug. R. F. Riddell. No. 43,643; Feb. 25; Gaz. vol. 187; p. 1090.
- Rug. E. G. Sauer. No. 43,647; Feb. 25; Gaz. vol. 187; p. 1091.
- Rug. F. Schindler. No. 43,653; Feb. 25; Gaz. vol. 187; p. 1092.
- Rug. J. H. Chadwick. No. 43,756; Apr. 1; Gaz. vol. 189; p. 219.
- Rug. D. F. Gledhill. No. 43,762; Apr. 1; Gaz. vol. 189; p. 220.

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- Rug. J. Merry. Nos. 43,767-71; Apr. 1; Gaz. vol. 189; pp. 221-2.
- Rug. J. B. Moffat. No. 43,772; Apr. 1; Gaz. vol. 189; p. 222.
- Rug. R. F. Riddell. No. 43,779; Apr. 1; Gaz. vol. 189; p. 223.
- Rug. W. A. Spring. Nos. 43,789-90; Apr. 1; Gaz. vol. 189; p. 226.
- Rug. W. F. Brown. Nos. 43,861-2; Apr. 22; Gaz. vol. 189; pp. 998-9.
- Rug. W. A. Elliot. No. 43,871; Apr. 22; Gaz. vol. 189; p. 1000.
- Rug. H. H. Hunt. No. 43,875; Apr. 22; Gaz. vol. 189; p. 1001.
- Rug. J. Merry. No. 43,882; Apr. 22; Gaz. vol. 189; p. 1002.
- Rug. E. G. Sauer. Nos. 43,897-904; Apr. 22; Gaz. vol. 189; pp. 1005-6.
- Rug. I. J. Vetter. No. 43,916; Apr. 22; Gaz. vol. 189; p. 1009.
- Rug. W. A. Elliot. No. 43,995; May 13; Gaz. vol. 190; p. 518.
- Rug. E. G. Sauer. No. 44,027; May 13; Gaz. vol. 190; p. 524.
- Rug. E. G. Sauer. No. 44,029; May 13; Gaz. vol. 190; p. 524.
- Rug. E. G. Sauer. No. 44,031; May 13; Gaz. vol. 190; p. 525.
- Rug. I. J. Vetter. No. 44,045; May 13; Gaz. vol. 190; p. 527.
- Rug. E. G. Sauer. No. 44,220; June 17; Gaz. vol. 191; p. 809.
- Rug. J. Spring. No. 44,222; June 17; Gaz. vol. 191; p. 809.
- Rug. A. Petzold. Nos. 44,257-9; June 24; Gaz. vol. 191; p. 1049.
- Rug. A. Petzold. Nos. 44,284-7; July 1; Gaz. vol. 192; pp. 198-9.
- Rug. E. G. Sauer. Nos. 44,291-4; July 1; Gaz. vol. 192; pp. 199-200.
- Rug. C. Bastow. No. 44,465; Aug. 12; Gaz. vol. 193; p. 478.
- Rug. A. Petzold. Nos. 44,490-3; Aug. 12; Gaz. vol. 193; pp. 483-4.
- Rug. A. Petzold. No. 44,667; Sept. 16; Gaz. vol. 194; p. 733.
- Rug. W. A. Elliot. No. 44,780; Oct. 28; Gaz. vol. 195; p. 1024.
- Rug. J. Merry. Nos. 44,785-90; Oct. 28; Gaz. vol. 195; pp. 1025-6.
- Rug. J. Merry. Nos. 44,793-5; Oct. 28; Gaz. vol. 195; p. 1027.
- Rug. R. F. Riddell. Nos. 44,798-805; Oct. 28; Gaz. vol. 195; pp. 1028-9.
- Rug. R. F. Riddell. No. 44,807; Oct. 28; Gaz. vol. 195; p. 1030.
- Rug. E. G. Sauer. Nos. 44,808-17; Oct. 28; Gaz. vol. 195; pp. 1030-1.
- Rug. F. Schindler. No. 44,820; Oct. 28; Gaz. vol. 195; p. 1032.
- Rug. J. Spring. No. 44,821; Oct. 28; Gaz. vol. 195; p. 1032.
- Rug. W. Spring. Nos. 44,822-3; Oct. 28; Gaz. vol. 195; pp. 1032-3.
- Rug. I. J. Vetter. Nos. 44,826-30; Oct. 28; Gaz. vol. 195; pp. 1033-4.
- Rug. J. Merry. No. 44,847; Nov. 4; Gaz. vol. 196; p. 257.
- Rug. J. Merry. No. 44,850; Nov. 4; Gaz. vol. 196; p. 257.
- Rug. J. B. Moffat. No. 44,853; Nov. 4; Gaz. vol. 196; p. 258.
- Rug. A. Petzold. Nos. 44,856-8; Nov. 4; Gaz. vol. 196; p. 258.
- Rug. R. F. Riddell. Nos. 44,861-3; Nov. 4; Gaz. vol. 196; p. 259.
- Rug. W. A. Spring. Nos. 44,864-5; Nov. 4; Gaz. vol. 196; pp. 259-60.
- Rug. W. A. Elliot. Nos. 44,886-7; Nov. 18; Gaz. vol. 196; p. 784.
- Rug. W. A. Elliot. No. 44,889; Nov. 18; Gaz. vol. 196; p. 784.
- Rug. E. G. Sauer. Nos. 44,898-900; Nov. 18; Gaz. vol. 196; pp. 786-7.
- Rug. F. Schindler. Nos. 44,906-7; Nov. 18; Gaz. vol. 196; p. 788.
- Rug. J. Spring. No. 44,908; Nov. 18; Gaz. vol. 196; p. 788.
- Rug. I. J. Vetter. No. 44,909; Nov. 18; Gaz. vol. 196; p. 788.
- Rug. J. Merry. No. 44,962; Dec. 2; Gaz. vol. 197; p. 216.
- Rug. A. Petzold. Nos. 44,965-7; Dec. 2; Gaz. vol. 197; pp. 216-17.
- Rug. E. G. Sauer. Nos. 44,971-2; Dec. 2; Gaz. vol. 197; p. 217.
- Rug. E. G. Sauer. No. 44,977; Dec. 2; Gaz. vol. 197; p. 218.
- Rug. J. Spring. Nos. 44,983-5; Dec. 2; Gaz. vol. 197; pp. 219-20.
- Rug. I. J. Vetter. No. 44,992; Dec. 2; Gaz. vol. 197; p. 221.
- Rug. P. H. Starr. No. 45,027; Dec. 9; Gaz. vol. 197; p. 509.
- Rug. A. Petzold. Nos. 45,067-70; Dec. 23; Gaz. vol. 197; p. 976.
- Rug. Bath-. E. L. Carney. No. 44,398; July 29; Gaz. vol. 192; p. 1238.
- Rug-border. J. Spring. No. 43,485; Jan. 21; Gaz. vol. 186; p. 780.
- Rug-border. E. G. Sauer. No. 43,905; Apr. 22; Gaz. vol. 189; p. 1007.
- Rules, Attachment for. G. F. Hall. No. 44,305; July 8; Gaz. vol. 192; p. 494.
- Sad-iron. G. E. Curtiss. No. 43,592; Feb. 25; Gaz. vol. 187; p. 1081.
- Sad-iron. L. Rosenbaum. No. 44,546; Aug. 19; Gaz. vol. 193; p. 734.
- Sad-iron grate. H. Abramson. No. 43,492; Feb. 4; Gaz. vol. 187; p. 210.
- Sad-iron top. H. Abramson. No. 43,493; Feb. 4; Gaz. vol. 187; p. 210.
- Saddle, Harness-. R. Miller. No. 44,069; May 20; Gaz. vol. 190; p. 768.
- Salt-shaker. A. J. Sanford. No. 43,781; Apr. 1; Gaz. vol. 189; p. 224.
- Sash-lift, Recess. T. Scullin. No. 43,727; Mar. 18; Gaz. vol. 188; p. 790.
- Saw. J. A. Gouck. No. 44,561; Aug. 26; Gaz. vol. 193; p. 987.
- Saw-blades, Lever for tightening. A. O. Schaefer. No. 44,414; July 29; Gaz. vol. 192; p. 1241.
- Saw guard, Band-. E. Harrold. No. 44,126; June 3; Gaz. vol. 191; p. 267.
- Scale-beam. R. F. Chatillon. No. 44,517; Aug. 19; Gaz. vol. 193; p. 728.
- Scissors and shears, Handle for. F. Karsitz. No. 44,533; Aug. 19; Gaz. vol. 193; p. 731.
- Score-board, Bowling. W. R. Kirk. No. 44,066; May 20; Gaz. vol. 190; p. 768.
- Screw-driver. G. O. Leopold. No. 44,573; Aug. 26; Gaz. vol. 193; p. 989.
- Seal. A. D. Lenz. No. 44,247; June 24; Gaz. vol. 191; p. 1047.
- Seal-press body, Hand-. J. A. Ryan. No. 43,702; Mar. 11; Gaz. vol. 188; p. 491.
- Seals, Male die for. H. W. Congdon. No. 44,085; May 27; Gaz. vol. 190; p. 1002.
- Seat end. J. E. Kilburn. No. 44,209; June 17; Gaz. vol. 191; p. 806.
- Sewer-trap. T. Smith. No. 44,422; July 29; Gaz. vol. 192; p. 1242.
- Sewing-machine table and stand. H. E. Bryant. No. 44,081; May 27; Gaz. vol. 190; p. 1001.
- Sewing-rack. A. Ness. No. 44,538; Aug. 19; Gaz. vol. 193; p. 732.
- Shackle, swivel, and cross-head for blocks, Combined. F. B. Mallory. No. 43,847; Apr. 15; Gaz. vol. 189; p. 754.
- Shade. N. Kopp. No. 43,539; Feb. 11; Gaz. vol. 187; p. 486.
- Shade. N. Kopp. Nos. 44,245-6; June 24; Gaz. vol. 191; pp. 1046-7.
- Shade-bowl. J. H. Strong. No. 45,030; Dec. 9; Gaz. vol. 197; p. 509.
- Shade or reflector holder. H. D'Olier, Jr. No. 43,989; May 13; Gaz. vol. 190; p. 517.
- Shade, reflector, or the like. O. A. Mygatt. No. 43,965; May 6; Gaz. vol. 190; p. 239.
- Shaker, Condiment-. C. A. Conger. No. 43,668; Mar. 4; Gaz. vol. 188; p. 220.
- Shaving-outfit holder. W. A. Conrad. No. 44,468; Aug. 12; Gaz. vol. 193; p. 479.
- Shear-blade. D. C. Wheeler. No. 43,447; Jan. 7; Gaz. vol. 186; p. 275.
- Shears, Member of a pair of. W. M. Bowes. No. 43,712; Mar. 18; Gaz. vol. 188; p. 788.
- Shelf-bracket. C. W. Warner. No. 43,446; Jan. 7; Gaz. vol. 186; p. 275.
- Shelf, Clock-. G. Schlick. No. 44,496; Aug. 12; Gaz. vol. 193; p. 484.
- Shirt. V. E. Hanny. No. 43,763; Apr. 1; Gaz. vol. 189; p. 220.
- Shirt, Athletic. W. F. Lott. No. 43,765; Apr. 1; Gaz. vol. 189; p. 221.
- Shoe. S. Wass. No. 45,080; Dec. 23; Gaz. vol. 197; p. 978.
- Shoe-conformer. C. O. Quimby. No. 44,111; May 27; Gaz. vol. 190; p. 1007.
- Shoe-horn. J. E. Meginn. No. 45,014; Dec. 9; Gaz. vol. 197; p. 506.
- Shoe ornament. M. J. and S. Parrott. No. 43,824; Apr. 8; Gaz. vol. 189; p. 497.
- Show-case. J. A. Nones. No. 43,887; Apr. 22; Gaz. vol. 189; p. 1003.
- Show-stand. A. Copeland. No. 43,816; Apr. 8; Gaz. vol. 189; p. 496.
- Show-stands, Clamp-lever for telescopic. E. Marson. No. 43,848; Apr. 15; Gaz. vol. 189; p. 755.
- Shower-head. A. C. Recker. No. 43,894; Apr. 22; Gaz. vol. 189; p. 1004.

Alphabetical list of designs—Continued.

- Shutter, Drop-. R. M. De Vignier. No. 43,524; Feb. 11; Gaz. vol. 187; p. 484.
- Sign. C. C. Wortley. No. 44,394; July 22; Gaz. vol. 192; p. 971.
- Sign, Electric. M. Norden. No. 44,254; June 24; Gaz. vol. 191; p. 1048.
- Sign, Electric. W. P. Curwen and A. M. Potter. No. 44,658; Sept. 16; Gaz. vol. 194; p. 731.
- Sign, Hotel-. A. S. Landis. No. 44,343; July 15; Gaz. vol. 192; p. 721.
- Sign-projector. J. T. Roffy. Nos. 43,644-5; Feb. 25; Gaz. vol. 187; pp. 1090-1.
- Sign, Road-. C. A. Geers. No. 45,001; Dec. 9; Gaz. vol. 197; p. 504.
- Signal. W. Sparks. Nos. 45,024-5; Dec. 9; Gaz. vol. 197; p. 508.
- Signal casing and terminal, Warning-. E. and M. A. Aufiero. No. 43,952; Apr. 29; Gaz. vol. 189; p. 1261.
- Signal casing, Light-. W. K. Howe. No. 44,341; July 15; Gaz. vol. 192; p. 720.
- Signal-device casing. E. Aufiero. No. 44,744; Oct. 21; Gaz. vol. 195; p. 791.
- Signal, Warning-. C. F. Sendall. Nos. 44,712-13; Sept. 30; Gaz. vol. 194; p. 1125.
- Skate. G. A. Meagher. No. 43,766; Apr. 1; Gaz. vol. 189; p. 221.
- Skirt-gage. C. H. Everhard. No. 43,527; Feb. 11; Gaz. vol. 187; p. 484.
- Snap-hook body. S. W. Reynolds. No. 44,288; July 1; Gaz. vol. 192; p. 199.
- Soap and glass holder, Combined. M. Gersh. No. 43,530; Feb. 11; Gaz. vol. 187; p. 485.
- Soap, Cake of. G. C. Beckwith. No. 44,396; July 29; Gaz. vol. 192; p. 1237.
- Soda-dispensing apparatus. J. M. Travis. No. 45,096; Dec. 30; Gaz. vol. 197; p. 1273.
- Soda-fountain. F. H. Lippincott. Nos. 44,662-5; Sept. 16; Gaz. vol. 194; p. 732.
- Speculum. H. Weder, Sr., and C. H. Wolff. No. 44,389; July 22; Gaz. vol. 192; p. 970.
- Speedometer or odometer casing. R. H. Manson. No. 44,768; Oct. 21; Gaz. vol. 195; p. 796.
- Spoon. S. H. Ashton. No. 43,812; Apr. 8; Gaz. vol. 189; p. 495.
- Spoon. A. F. Saunders. No. 44,184; June 10; Gaz. vol. 191; p. 567.
- Spoon, Baby-. H. Taylor. No. 45,031; Dec. 9; Gaz. vol. 197; p. 509.
- Spoon, fork, &c., handle. W. C. Codman. Nos. 43,564-5; Feb. 18; Gaz. vol. 187; p. 801.
- Spoon, fork, or similar article. W. A. Jameson. Nos. 43,424-5; Jan. 7; Gaz. vol. 186; p. 270.
- Spoon, fork, or similar article. A. G. Kintz. No. 43,538; Feb. 11; Gaz. vol. 187; p. 486.
- Spoon, fork, or similar article. G. Strohaker. No. 43,559; Feb. 11; Gaz. vol. 187; p. 490.
- Spoon, fork, or similar article. S. J. Large. No. 43,573; Feb. 18; Gaz. vol. 187; p. 803.
- Spoon, fork, or similar article. G. B. Lewis. No. 43,624; Feb. 25; Gaz. vol. 187; p. 1087.
- Spoon, fork, or similar article. F. E. Pretat. No. 43,745; Mar. 25; Gaz. vol. 188; p. 1032.
- Spoon, fork, or similar article. B. D. Myers. No. 43,805; Apr. 1; Gaz. vol. 189; p. 229.
- Spoon, fork, or similar article. G. E. Nerney. No. 43,936; Apr. 29; Gaz. vol. 189; p. 1259.
- Spoon, fork, or similar article. S. Stohrer. No. 44,040; May 13; Gaz. vol. 190; p. 526.
- Spoon, fork, or similar article. B. D. Myers. No. 44,070; May 20; Gaz. vol. 190; p. 769.
- Spoon, fork, or similar article. A. G. Kintz. No. 44,244; June 24; Gaz. vol. 191; p. 1046.
- Spoon, fork, or similar article. G. L. Crowell, Jr. No. 44,520; Aug. 19; Gaz. vol. 193; p. 729.
- Spoon, fork, or similar article handle. J. Aranyi. No. 45,053; Dec. 23; Gaz. vol. 197; p. 973.
- Spoon, fork, or similar article handle. W. A. Jameson. No. 45,065; Dec. 23; Gaz. vol. 197; p. 975.
- Spoon, fork, or similar article handle. S. J. Large. No. 45,066; Dec. 23; Gaz. vol. 197; p. 975.
- Spoon, fork, or similar article handle. F. E. Pretat. No. 45,071; Dec. 23; Gaz. vol. 197; p. 977.
- Spoon, fork, or similar article handle, Pierced. R. C. Thompson. No. 45,078; Dec. 23; Gaz. vol. 197; p. 978.
- Spoon-holder. E. N. McNair. No. 44,485; Aug. 12; Gaz. vol. 193; p. 482.
- Spoon-knife, Fruit. E. M. Stubbs. No. 44,737; Oct. 14; Gaz. vol. 195; p. 521.
- Spoon, Souvenir-. M. and H. A. Avera. No. 43,494; Feb. 4; Gaz. vol. 187; p. 210.
- Spoons, forks, and similar articles, Handle for. J. L. Kimball. No. 44,065; May 20; Gaz. vol. 190; p. 768.
- Spoons, forks, or similar articles, Handle for. H. C. Wright. No. 43,661; Feb. 25; Gaz. vol. 187; p. 1093.
- Spoons, forks, or similar articles, Handle for. G. E. Fahys. No. 43,718; Mar. 13; Gaz. vol. 188; p. 789.
- Spoons, forks, or similar articles, Handle for. G. N. Allen. No. 43,811; Apr. 8; Gaz. vol. 189; p. 495.
- Spoons, forks, or similar articles, Handle for. L. A. Littlefield. No. 43,823; Apr. 8; Gaz. vol. 189; p. 497.
- Spoons, forks, or similar articles, Handle for. W. C. Codman. No. 43,988; May 13; Gaz. vol. 190; p. 516.
- Spoons, forks, or similar articles, Handle for. C. W. Harman. Nos. 44,060-1; May 20; Gaz. vol. 190; p. 767.
- Spoons, forks, or similar articles, Handle for. W. C. Codman. Nos. 44,193-4; June 17; Gaz. vol. 191; p. 804.
- Spoons, forks, or similar articles, Handle for. B. P. Jenks. No. 44,207; June 17; Gaz. vol. 191; p. 806.
- Spoons, forks, or similar articles, Handle for. C. Selkirk. No. 44,263; June 24; Gaz. vol. 191; p. 1050.
- Spoons, forks, or similar articles, Handle for. W. A. Jameson. No. 44,313; July 8; Gaz. vol. 192; p. 496.
- Spoons, forks, or similar articles, Handle for. W. C. Codman. Nos. 44,358-9; July 22; Gaz. vol. 192; p. 965.
- Spoons, forks, or similar articles, Handle for. W. A. Jameson. No. 44,532; Aug. 19; Gaz. vol. 193; p. 731.
- Spoons, forks, or similar articles, Handle for. R. L. Snow. No. 44,694; Sept. 23; Gaz. vol. 194; p. 932.
- Spoons, forks, or similar articles, Handle for. W. H. Wilke. No. 44,714; Sept. 30; Gaz. vol. 194; p. 1125.
- Spoons, forks, or similar articles, Handle for pierced. G. E. Nerney. Nos. 43,545-54; Feb. 11; Gaz. vol. 187; pp. 487-9.
- Spoons, forks, or similar articles, Handle for pierced. G. E. Nerney. No. 43,576; Feb. 18; Gaz. vol. 187; p. 804.
- Spoons, forks, or similar articles, Handle for pierced. G. E. Nerney. No. 44,022; May 13; Gaz. vol. 190; p. 523.
- Spoons or analogous articles, Handle for. P. J. Cheron. No. 44,916; Nov. 25; Gaz. vol. 196; p. 1024.
- Stamp-mill frame. E. H. Moyle. No. 44,575; Aug. 26; Gaz. vol. 193; p. 989.
- Stand. M. Crisafi. No. 44,705; Sept. 30; Gaz. vol. 194; p. 1123.
- Stand. J. E. Stenberg. No. 44,989; Dec. 2; Gaz. vol. 197; p. 220.
- Stand and rack, Combined. C. De Yoos. No. 44,236; June 24; Gaz. vol. 191; p. 1045.
- Stand, Machine-. M. Taigman. No. 44,152; June 3; Gaz. vol. 191; p. 270.
- Stand, Sewing-. C. Shank. No. 44,076; May 20; Gaz. vol. 190; p. 770.
- Statuette. O. E. S. Azzoni. No. 43,984; May 13; Gaz. vol. 190; p. 516.
- Statuette. G. G. Drayton. No. 45,086; Dec. 30; Gaz. vol. 197; p. 1271.
- Statuette or effigy of a dog. H. T. Orr. No. 43,577; Feb. 18; Gaz. vol. 187; p. 804.
- Sterilizer. S. Blickman. No. 43,689; Mar. 11; Gaz. vol. 188; p. 489.
- Stone, Cut. E. G. H. Schenck. No. 43,724; Mar. 18; Gaz. vol. 188; p. 790.
- Stove. G. B. Carter and W. L. Bertram. No. 43,563; Feb. 18; Gaz. vol. 187; p. 801.
- Stove. W. A. Griswold. Nos. 44,197-9; June 17; Gaz. vol. 191; p. 805.
- Stove. C. A. Bailey. Nos. 44,831-3; Nov. 4; Gaz. vol. 196; p. 254.
- Stove-base. J. J. Stewart. No. 45,029; Dec. 9; Gaz. vol. 197; p. 509.
- Stove-drums, Window-frame for. W. R. Jeavons. No. 44,206; June 17; Gaz. vol. 191; p. 806.
- Stove fire-pot section and base. A. A. Specht. No. 44,733; Oct. 14; Gaz. vol. 195; p. 520.
- Stove, Gas-. L. Lebovitz. No. 43,504; Feb. 4; Gaz. vol. 187; p. 212.
- Stove, Gas heating-. M. A. Possons. No. 43,436; Jan. 7; Gaz. vol. 186; p. 272.
- Stove-top plate. H. Waterman. No. 43,917; Apr. 22; Gaz. vol. 189; p. 1009.
- Structure, Portable. W. W. Taylor. No. 44,738; Oct. 14; Gaz. vol. 195; p. 521.
- Suit, Woman's. S. Ottinger. No. 43,774; Apr. 1; Gaz. vol. 189; p. 223.
- Surgeons' operating-pans, Flexible frame-cover for. F. R. Lintleman. No. 44,174; June 10; Gaz. vol. 191; p. 565.
- Surgical basin. C. W. Meinecke. No. 44,448; Aug. 5; Gaz. vol. 193; p. 203.
- Surgical retractor. H. Weder, Sr., and C. H. Wolff. No. 44,388; July 22; Gaz. vol. 192; p. 970.
- Sweat-band. W. P. Schaefer. No. 44,940; Nov. 25; Gaz. vol. 196; p. 1028.
- Switch casing, Electrical-. B. D. Horton. No. 44,130; June 3; Gaz. vol. 191; p. 268.
- Switchboard. A. W. Schramm and E. B. Wilford. No. 43,830; Apr. 8; Gaz. vol. 189; p. 498.
- Switchboard-mounting. A. W. Schramm and E. B. Wilford. No. 43,725; Mar. 18; Gaz. vol. 188; p. 790.
- Swivel for trace and harness chains. F. A. Bond. No. 43,691; Mar. 11; Gaz. vol. 188; p. 490.
- Syrup-dispensing apparatus. J. M. Travis. Nos. 45,032-3; Dec. 9; Gaz. vol. 197; p. 510.
- Table. C. W. Coffin. No. 44,297; July 8; Gaz. vol. 192; p. 493.
- Table. H. J. Riley. No. 44,710; Sept. 30; Gaz. vol. 194; p. 1124.

Alphabetical list of designs—Continued.

- Table-cloth or serviette. F. W. Campbell. No. 44,357; July 22; Gaz. vol. 192; p. 965.
- Table decoration, illuminated. L. Gudeman. No. 43,420; Jan. 7; Gaz. vol. 186; p. 269.
- Table decoration, illuminated. L. Gudeman. No. 43,532; Feb. 11; Gaz. vol. 187; p. 485.
- Table, Serving-. C. A. Fassole. No. 43,741; Mar. 25; Gaz. vol. 188; p. 1032.
- Table, Sewing-. W. Brander. No. 44,051; May 20; Gaz. vol. 190; p. 765.
- Table, Smoking-. C. A. Frazer. No. 44,441; Aug. 5; Gaz. vol. 193; p. 202.
- Table-top frame. S. L. Murphy. No. 44,584; Aug. 26; Gaz. vol. 193; p. 991.
- Tablet or similar article. J. Fischer. No. 43,593; Feb. 25; Gaz. vol. 187; p. 1082.
- Tag. C. C. Fletcher. Nos. 43,956-7; May 6; Gaz. vol. 190; pp. 237-8.
- Tag, Key-. F. C. Howard. No. 44,406; July 29; Gaz. vol. 192; p. 1239.
- Tag, Key-. F. C. Howard. No. 44,924; Nov. 25; Gaz. vol. 196; p. 1026.
- Tag, Key-. F. C. Howard. No. 44,959; Dec. 2; Gaz. vol. 197; p. 215.
- Talking-machine cabinet. E. T. Kieffer. No. 43,722; Mar. 18; Gaz. vol. 188; p. 789.
- Talking-machine cabinet. E. R. Johnson. No. 44,105; May 27; Gaz. vol. 190; p. 1005.
- Talking-machine cabinet. C. E. Woods. No. 44,553; Aug. 19; Gaz. vol. 193; p. 735.
- Talking-machine cabinet. S. M. Wirts. No. 44,993; Dec. 2; Gaz. vol. 197; p. 221.
- Talking-machine frame. C. E. Woods. No. 44,866; Nov. 4; Gaz. vol. 196; p. 260.
- Tank, Flush-. A. Cochran. No. 45,085; Dec. 30; Gaz. vol. 197; p. 1271.
- Tea or coffee pot. G. E. Curtis. Nos. 43,520-3; Feb. 11; Gaz. vol. 187; p. 483.
- Tea or coffee pot. G. E. Curtiss. No. 43,671; Mar. 4; Gaz. vol. 188; p. 220.
- Tea or coffee pot. G. E. Curtiss. Nos. 44,521-2; Aug. 19; Gaz. vol. 193; p. 729.
- Teapot. A. H. S. Swan. No. 43,791; Apr. 1; Gaz. vol. 189; p. 226.
- Teapot or similar article. C. A. Bennett. No. 44,603; Sept. 2; Gaz. vol. 194; p. 255.
- Temperature-indicator. H. H. Boyce. No. 44,627; Sept. 9; Gaz. vol. 194; p. 525.
- Temperature-indicator. H. H. Boyce. No. 45,042; Dec. 16; Gaz. vol. 197; p. 758.
- Tent. W. H. Miller. No. 45,016; Dec. 9; Gaz. vol. 197; p. 507.
- Theatrical appliance. M. E. Moore. No. 44,317; July 8; Gaz. vol. 192; p. 497.
- Thermometer, Clinical. F. Cooper. No. 44,300; July 8; Gaz. vol. 192; p. 494.
- Thermopile. F. Twyman. No. 44,225; June 17; Gaz. vol. 191; p. 810.
- Thermostat. J. Swartzenburg. No. 44,077; May 20; Gaz. vol. 190; p. 770.
- Thimble, Sewing-. M. L. Robbins. No. 43,828; Apr. 8; Gaz. vol. 189; p. 498.
- Ticket-dispensing-machine casing. F. Magidson. No. 43,542; Feb. 11; Gaz. vol. 187; p. 487.
- Ticket or label holder and match-striker, Combined. W. D. Hoover. No. 44,958; Dec. 2; Gaz. vol. 197; p. 215.
- Tie-clasp. A. J. Nelson. No. 44,410; July 29; Gaz. vol. 192; p. 1250.
- Tile. E. Parkinson. No. 44,108; May 27; Gaz. vol. 190; p. 1006.
- Tire. T. B. Carlisle. Nos. 43,453-4; Jan. 21; Gaz. vol. 186; pp. 774-5.
- Tire. H. E. Boyd and J. H. Neal. No. 44,050; May 20; Gaz. vol. 190; p. 765.
- Tire. W. R. Blowers. No. 44,164; June 10; Gaz. vol. 191; p. 563.
- Tire. F. Nolte. No. 44,253; June 24; Gaz. vol. 191; p. 1048.
- Tire. H. K. Raymond. Nos. 44,383-5; July 22; Gaz. vol. 192; p. 970.
- Tire. L. M. Barkhurst. No. 44,510; Aug. 19; Gaz. vol. 193; p. 727.
- Tire. J. E. Lee. No. 44,640; Sept. 9; Gaz. vol. 194; p. 527.
- Tire. G. E. Starr. Nos. 44,734-6; Oct. 14; Gaz. vol. 195; p. 521.
- Tire, Automobile-. C. A. Daniel. No. 44,087; May 27; Gaz. vol. 190; p. 1002.
- Tire, Automobile-. J. Christy. No. 44,235; June 24; Gaz. vol. 191; p. 1045.
- Tire, Automobile-. A. K. Allen. No. 45,083; Dec. 30; Gaz. vol. 197; p. 1270.
- Tire casing, Pneumatic-. F. E. Holcomb. No. 44,241; June 24; Gaz. vol. 191; p. 1046.
- Tire, Resilient. C. H. Semple. Nos. 43,438-9; Jan. 7; Gaz. vol. 186; p. 273.
- Tire, Resilient. H. H. Hewitt. No. 44,062; May 20; Gaz. vol. 190; p. 767.
- Tire, Rubber vehicle-. J. Connelly. No. 44,298; July 8; Gaz. vol. 192; p. 493.
- Tire, Rubber vehicle-. W. C. Hendrie. No. 45,090; Dec. 30; Gaz. vol. 197; p. 1271.
- Tire-support, Automobile. G. F. Discher. No. 44,751; Oct. 21; Gaz. vol. 195; p. 793.
- Tire-tread. A. H. Marks. No. 44,407; July 29; Gaz. vol. 192; p. 1240.
- Tire-tread. H. K. Raymond. No. 45,050; Dec. 16; Gaz. vol. 197; p. 760.
- Tire-tread. E. C. Shaw. No. 45,051; Dec. 16; Gaz. vol. 197; p. 760.
- Tire-tread. A. Johnston. No. 45,092; Dec. 30; Gaz. vol. 197; p. 1272.
- Tire-valve cap. W. B. Burke. No. 44,082; May 27; Gaz. vol. 190; p. 1001.
- Tire, Vehicle-. H. J. Richards. No. 43,701; Mar. 11; Gaz. vol. 188; p. 491.
- Tire, Vehicle-. W. W. Duncan. No. 44,723; Oct. 14; Gaz. vol. 195; p. 519.
- Tire, Vehicle-. W. D. Morris. Nos. 44,854-5; Nov. 4; Gaz. vol. 196; p. 258.
- Tire, Wheel-. J. Christy. No. 43,495; Feb. 4; Gaz. vol. 187; p. 210.
- Toaster and heater, Electric. H. E. Bandlow. No. 44,049; May 20; Gaz. vol. 190; p. 765.
- Tobacco in pipe-bowls, Device for tamping. W. L. Robertshaw. No. 43,450; Jan. 14; Gaz. vol. 186; p. 537.
- Tongue-depressor. H. Weder, Sr., and C. H. Wolff. No. 44,391; July 22; Gaz. vol. 192; p. 971.
- Toothpick-holder. L. Jordan. No. 44,444; Aug. 5; Gaz. vol. 193; p. 202.
- Towel-rack. A. H. Howe. No. 44,686; Sept. 23; Gaz. vol. 194; p. 930.
- Toy. H. E. Bryant. No. 43,589; Feb. 25; Gaz. vol. 187; p. 1081.
- Toy. G. H. Hilder. No. 43,707; Mar. 11; Gaz. vol. 188; p. 492.
- Toy. W. J. B. Terry. No. 43,858; Apr. 15; Gaz. vol. 189; p. 757.
- Toy candy-box. E. J. Rowland. No. 45,094; Dec. 30; Gaz. vol. 197; p. 1272.
- Toy castle. O. C. Schwarz. No. 44,877; Nov. 11; Gaz. vol. 196; p. 507.
- Toy dog. J. Elsenmann. No. 43,866; Apr. 22; Gaz. vol. 189; p. 999.
- Toy figure. R. H. Whitcomb. No. 44,742; Oct. 14; Gaz. vol. 195; p. 522.
- Toy pedestal. N. Shure. No. 44,187; June 10; Gaz. vol. 191; p. 568.
- Toy receptacle for confections. G. R. West. No. 44,741; Oct. 14; Gaz. vol. 195; p. 522.
- Toy, Rocking. W. R. Newton. No. 44,345; July 15; Gaz. vol. 192; p. 721.
- Toy, Teething. J. S. Bridges. No. 43,919; Apr. 29; Gaz. vol. 189; p. 1255.
- Toy-vehicle body. A. C. Cooke. No. 44,299; July 8; Gaz. vol. 192; p. 494.
- Trace-carrier. R. A. Schwahn. No. 43,558; Feb. 11; Gaz. vol. 187; p. 490.
- Trace-hook. J. Gelinas. No. 43,529; Feb. 11; Gaz. vol. 187; p. 484.
- Trap-fixture, Antisiphon. R. Hadden. No. 44,404; July 29; Gaz. vol. 192; p. 1239.
- Tray. J. H. Astruck. Nos. 44,121-2; June 3; Gaz. vol. 191; pp. 266-7.
- Tray, Advertising change-. H. F. Dunn. No. 43,525; Feb. 11; Gaz. vol. 187; p. 484.
- Tray, Change-. E. Brunhoff. No. 43,517; Feb. 11; Gaz. vol. 187; p. 482.
- Tray, Change-. E. Brunhoff. No. 44,466; Aug. 12; Gaz. vol. 193; p. 479.
- Tray, Change-. E. Brunhoff. No. 44,657; Sept. 16; Gaz. vol. 194; p. 731.
- Tray, Change-. E. Brunhoff. No. 44,836; Nov. 4; Gaz. vol. 196; p. 254.
- Tray, Desk-. J. A. Fraser. No. 44,999; Dec. 9; Gaz. vol. 197; p. 504.
- Trough, Feed-. C. E. Fisher. No. 44,440; Aug. 5; Gaz. vol. 193; p. 202.
- Truck-body. E. Hoiby. No. 44,923; Nov. 25; Gaz. vol. 196; p. 1026.
- Truck body, Auto-. J. C. Doyle. No. 44,088; May 27; Gaz. vol. 190; p. 1002.
- Truck-wheel, Automobile. G. Walther. No. 45,097; Dec. 30; Gaz. vol. 197; p. 1273.
- Trunk. C. O. Freeman. No. 44,366; July 22; Gaz. vol. 192; p. 966.
- Tub. J. G. Seelig and J. B. Barlow, Jr. No. 43,728; Mar. 18; Gaz. vol. 188; p. 791.
- Tumbler. S. Heinzelman. Nos. 43,568-70; Feb. 18; Gaz. vol. 187; p. 802.
- Tumbler. A. J. Sanford. No. 43,703; Mar. 11; Gaz. vol. 188; p. 492.
- Tumbler. W. E. Hunter. No. 43,808; Apr. 1; Gaz. vol. 189; p. 229.
- Tumbler-holder. E. A. Farr. No. 44,631; Sept. 9; Gaz. vol. 194; p. 525.
- Type font. S. M. Weatherly. No. 43,587; Feb. 18; Gaz. vol. 187; p. 806.
- Type, Font of. F. S. Guild. No. 44,101; May 27; Gaz. vol. 190; p. 1004.

Alphabetical list of designs—Continued.

- Type-writing-machine frame. J. Alexander. No. 43,860; Apr. 22; Gaz. vol. 189; p. 998.
- Type-writing-machine frame. W. A. Lorenz. No. 43,935; Apr. 29; Gaz. vol. 189; p. 1258.
- Type-writing-machine frame. J. Alexander. No. 44,348; July 22; Gaz. vol. 192; p. 963.
- Type-writing-machine frame. J. Alexander. No. 44,743; Oct. 21; Gaz. vol. 195; p. 791.
- Umbrella-rack. W. G. Fawcett. No. 43,955; May 6; Gaz. vol. 190; p. 237.
- Undergarment. W. L. Siewers. Nos. 43,783-8; Apr. 1; Gaz. vol. 189; pp. 224-5.
- Undergarment. V. Guinzburg. No. 44,873; Nov. 11; Gaz. vol. 196; p. 506.
- Union suit. W. R. Blain. No. 44,604; Sept. 2; Gaz. vol. 194; p. 255.
- Vacuum-cleaner casing. R. Straschnow. No. 43,654; Feb. 25; Gaz. vol. 187; p. 1092.
- Vacuum-cleaner casing. L. A. Alexander. No. 43,837; Apr. 15; Gaz. vol. 189; p. 753.
- Vacuum-cleaner casing. T. Wiedemann and J. H. Templin. No. 44,119; May 27; Gaz. vol. 190; p. 1008.
- Vacuum-cleaner casing. E. M. Barnes. No. 44,511; Aug. 19; Gaz. vol. 193; p. 727.
- Vacuum-cleaner casing. C. H. Beach. No. 44,512; Aug. 19; Gaz. vol. 193; p. 728.
- Vacuum-cleaner casing. C. S. Davis. No. 44,677; Sept. 23; Gaz. vol. 194; p. 929.
- Vacuum-cleaner casing. J. B. Kirby. No. 44,846; Nov. 4; Gaz. vol. 196; p. 256.
- Vacuum-cleaner handle. J. B. Kirby. No. 44,173; June 10; Gaz. vol. 191; p. 565.
- Valve casing, Radiator-air-. G. D. Hoffman. No. 44,129; June 3; Gaz. vol. 191; p. 268.
- Vanity-box. J. S. Wallenstein. No. 44,697; Sept. 23; Gaz. vol. 194; p. 933.
- Vase. A. A. Gedig. No. 44,660; Sept. 16; Gaz. vol. 194; p. 732.
- Vault, Burial-. G. A. Glendenning. No. 44,636; Sept. 9; Gaz. vol. 194; p. 526.
- Vault-front. W. E. Arnold. No. 43,711; Mar. 18; Gaz. vol. 188; p. 787.
- Vehicle-body. S. D. Waldon. No. 43,491; Jan. 28; Gaz. vol. 186; p. 966.
- Vehicle-body. W. H. Douglas. No. 43,672; Mar. 4; Gaz. vol. 188; p. 221.
- Vehicle-body. A. J. Neerken. No. 43,966; May 6; Gaz. vol. 190; p. 239.
- Vehicle-body. O. E. Hunt. Nos. 44,309-10; July 8; Gaz. vol. 192; p. 495.
- Vehicle-body. C. E. J. Lang. No. 44,536; Aug. 19; Gaz. vol. 193; p. 732.
- Vehicle-body. F. K. Stone. No. 44,696; Sept. 23; Gaz. vol. 194; p. 933.
- Vehicle-body. W. C. Anderson. No. 44,698; Sept. 30; Gaz. vol. 194; p. 1122.
- Vehicle-body. E. H. Remde. No. 45,021; Dec. 9; Gaz. vol. 197; p. 507.
- Vehicle seat-back. J. M. Meyer, Jr. No. 43,506; Feb. 4; Gaz. vol. 187; p. 212.
- Vehicle-top. F. J. Shaw. No. 44,221; June 17; Gaz. vol. 191; p. 809.
- Vehicle-wheel. J. Morat. No. 44,021; May 13; Gaz. vol. 190; p. 523.
- Vehicle-wheel. F. Schraivogel. No. 44,497; Aug. 12; Gaz. vol. 193; p. 484.
- Vehicles, Casing for travel-indicators for. F. A. Ross. No. 44,618; Sept. 2; Gaz. vol. 194; p. 258.
- Vell. R. Hacker. No. 44,368; July 22; Gaz. vol. 192; p. 967.
- Veiling, Net. Z. Van Raalte. No. 44,668; Sept. 16; Gaz. vol. 194; p. 733.
- Velling, Net. Z. Van Raalte. No. 44,990; Dec. 2; Gaz. vol. 197; p. 221.
- Vending-machine case. W. J. Paul. No. 44,615; Sept. 2; Gaz. vol. 194; p. 257.
- Vending-machine casing. E. A. Bolen. No. 43,690; Mar. 11; Gaz. vol. 188; p. 489.
- Vending-machine casing. F. P. McCoig. No. 44,377; July 22; Gaz. vol. 192; p. 968.
- Vest. G. Kohner. No. 45,047; Dec. 16; Gaz. vol. 197; p. 759.
- Vestette. S. Frankston. No. 45,088; Dec. 30; Gaz. vol. 197; p. 1271.
- Waist, Mother's nursing-dress. A. Shortle. No. 44,594; Aug. 26; Gaz. vol. 193; p. 993.
- Wall-covering. R. B. Griffin. No. 44,002; May 13; Gaz. vol. 190; p. 519.
- Wall-covering. G. A. Haslup. No. 44,127; June 3; Gaz. vol. 191; p. 267.
- Wall-covering. R. Euler. No. 44,195; June 17; Gaz. vol. 191; p. 804.
- Wall or table ornament. W. Mahloch. No. 43,699; Mar. 11; Gaz. vol. 188; p. 491.
- Wall-panel. E. L. White. No. 44,428; July 29; Gaz. vol. 192; p. 1243.
- Warning-signals, Handle for hand-actuated. E. Aufero. No. 44,994; Dec. 9; Gaz. vol. 197; p. 503.
- Watch-fob, emblem, or similar article. H. Green. No. 43,695; Mar. 11; Gaz. vol. 188; p. 490.
- Watch-fob or badge. W. L. Van Ness. No. 44,044; May 13; Gaz. vol. 190; p. 527.
- Watch-fob or badge. W. L. Van Ness. No. 44,324; July 8; Gaz. vol. 192; p. 498.
- Watch-holder. C. H. Frasar. No. 44,094; May 27; Gaz. vol. 190; p. 1003.
- Watch-shaped receptacle. J. Paull and J. L. Fusner. No. 43,825; Apr. 8; Gaz. vol. 189; p. 497.
- Watchcase-bow. C. W. Harman. No. 44,202; June 17; Gaz. vol. 191; p. 805.
- Water-closet bowl. W. A. Ratcliffe. No. 43,746; Mar. 25; Gaz. vol. 188; p. 1033.
- Water-closet bowl. A. Cochran. Nos. 44,165-7; June 10; Gaz. vol. 191; p. 564.
- Water-closet bowl. W. G. Newton. No. 44,180; June 10; Gaz. vol. 191; p. 566.
- Water-closet bowl. A. Cochran. Nos. 44,518-19; Aug. 19; Gaz. vol. 193; pp. 728-9.
- Water-closet bowl. S. P. Alpaugh. No. 44,911; Nov. 25; Gaz. vol. 196; p. 1023.
- Water-closet bowl. A. Cochran. Nos. 45,055-6; Dec. 23; Gaz. vol. 197; p. 974.
- Water-receptacle, Air-humidifying. H. Bentz. No. 43,749; Apr. 1; Gaz. vol. 189; p. 218.
- Weighing-machine casing. W. E. Johnson. No. 45,046; Dec. 16; Gaz. vol. 197; p. 759.
- Wheel. V. M. Moore. No. 44,318; July 8; Gaz. vol. 192; p. 497.
- Wind-shield. J. G. Perrin. No. 43,475; Jan. 21; Gaz. vol. 186; p. 778.
- Wind-shield. W. H. Douglas. No. 43,798; Apr. 1; Gaz. vol. 189; p. 227.
- Wind-shield. C. R. Clark. Nos. 44,190-2; June 17; Gaz. vol. 191; pp. 803-4.
- Wind-shield for motor-vehicles and the like. J. M. McQuillan. No. 44,251; June 24; Gaz. vol. 191; p. 1047.
- Window-ventilator. A. V. Keyrouse. No. 44,766; Oct. 21; Gaz. vol. 195; p. 796.
- Wire stretcher and cutter, Combination. J. A. Schertz. No. 43,747; Mar. 25; Gaz. vol. 188; p. 1033.
- Wiring-cleat. C. H. Waterman. No. 44,117; May 27; Gaz. vol. 190; p. 1008.
- Wrench-bar. H. C. Earle. No. 44,125; June 3; Gaz. vol. 191; p. 267.



ALPHABETICAL LIST OF TRADE-MARKS.

- Abrasive, detergent, and polishing materials, Certain. The Wizard Mfg. Co. No. 93,226; Aug. 26; Gaz. vol. 193; p. 1013.
- Abrasive materials for grinding valves, &c. Diamant-Gesellschaft m. b. H. No. 91,559; May 13; Gaz. vol. 190; p. 543.
- Abrasive substances for removing stains, &c., from clothing. J. De Groot & Co. No. 94,717; Dec. 30; Gaz. vol. 197; p. 1287.
- Accordions, concertinas, and mouth-harmonicas. O. Weidlich. No. 90,607; Mar. 4; Gaz. vol. 188; p. 240.
- Acetylene-purifying compound. P. J. Granjon. No. 90,880; Apr. 1; Gaz. vol. 189; p. 247.
- Acid and aqua-ammonia, Hydrochloric, nitric, and sulfuric. The Western Chemical Manufacturing Company. No. 89,968; Jan. 21; Gaz. vol. 186; p. 795.
- Acid. Carbolic. The Roessler & Hasslacher Chemical Co. No. 93,025; Aug. 12; Gaz. vol. 193; p. 505.
- Acid for pharmaceutical use. E. Merck. No. 91,680; May 20; Gaz. vol. 190; p. 788.
- Acids, sodium bisulfate, potash, &c. Saccharin-Fabrik, Aktien-Gesellschaft, vorm. Fahlberg, List & Co. No. 93,467; Sept. 16; Gaz. vol. 194; p. 740.
- Addressing-machines, Stencil. Wallace Addressing Machine Company. No. 94,039; Oct. 28; Gaz. vol. 195; p. 1047.
- Adhesive materials to fasten machines to floors, walls, and ceilings. Euböolith-Werke A. G. in Olten. No. 91,332; Apr. 29; Gaz. vol. 189; p. 1276.
- Adhesive paste, Corn-product. American Hominy Company. No. 90,619; Mar. 11; Gaz. vol. 188; p. 509.
- Adhesive sizing, gums, and pastes. W. E. Kriel. No. 92,234; June 24; Gaz. vol. 191; p. 1063.
- Adhesive sizings. The Gum Tragacoll Supply Company. Nos. 90,805-6; Mar. 25; Gaz. vol. 188; p. 1048.
- Adhesives, Certain. C. L. Gane. No. 93,528; Sept. 23; Gaz. vol. 194; p. 947.
- Aerials and aerial structures, transformers, &c. Gesellschaft für drahtlose Telegraphie m. b. H. No. 93,710; Oct. 14; Gaz. vol. 195; p. 534.
- Aeroplanes, hydroaeroplanes, &c. G. R. Eddelbuettel-Reimers. No. 91,328; Apr. 29; Gaz. vol. 189; p. 1275.
- Air-moisteners. H. Bentz. No. 91,639; May 20; Gaz. vol. 190; p. 787.
- Alcohol, Denatured. David Berg Distilling Company. No. 94,592; Dec. 23; Gaz. vol. 197; p. 991.
- Alcohol, Denatured. Jefferson Distilling and Denaturing Company. No. 94,787; Dec. 30; Gaz. vol. 197; p. 1289.
- Alcohol, Wood-. Berry Brothers. No. 93,628; Oct. 7; Gaz. vol. 195; p. 271.
- Alcoholic liquor, Aromatic. A. Fernandez. No. 91,184; Apr. 22; Gaz. vol. 189; p. 1026.
- Alcoholic liquors, Certain named. I. Goldberg. No. 89,919; Jan. 21; Gaz. vol. 186; p. 793.
- Alcoholic liquors, Certain named distilled. P. Pastene & Co. No. 90,910; Apr. 1; Gaz. vol. 189; p. 248.
- Alcoholic liquors, Certain named distilled. I. Goldberg. No. 92,067; June 17; Gaz. vol. 191; p. 826.
- Ale, Providence Brewing Co. No. 93,463; Sept. 16; Gaz. vol. 194; p. 740.
- Ale, Ginger-. Caproni Bros. Co. No. 93,262; Sept. 2; Gaz. vol. 194; p. 269.
- Ale, stout, and beer. W. Bovill & Co. No. 90,866; Apr. 1; Gaz. vol. 189; p. 247.
- Alfalfa. The Albert Dickinson Company. No. 94,430; Dec. 9; Gaz. vol. 197; p. 527.
- Alimentary paste. P. Pastene & Co. No. 91,025; Apr. 8; Gaz. vol. 189; p. 519.
- Alimentary paste. L. Nunziato Son & Co. No. 92,707; July 22; Gaz. vol. 192; p. 985.
- Alimentary paste and olive-oil. A. Magnano. No. 94,387; Dec. 2; Gaz. vol. 197; p. 236.
- Alimentary paste products. Atlantic Macaroni Co. Nos. 92,502-6; July 15; Gaz. vol. 192; p. 737.
- Alimentary paste products. The Atlantic Macaroni Co. Nos. 94,153-6; Nov. 11; Gaz. vol. 196; p. 521.
- Alimentary paste products. Arthur S. Hoyt Co. No. 94,182; Nov. 11; Gaz. vol. 196; p. 522.
- Alimentary paste products. Atlantic Macaroni Co. No. 94,344; Dec. 2; Gaz. vol. 197; p. 235.
- Alloys containing titanium. The Titanium Alloy Manufacturing Company. No. 92,286; June 24; Gaz. vol. 191; p. 1065.
- Alternative and restorative. R. M. Scott. No. 90,750; Mar. 18; Gaz. vol. 188; p. 805.
- Alternative, disinfectant, tonic, &c. W. T. Kendrick. No. 94,001; Oct. 28; Gaz. vol. 195; p. 1046.
- Aluminum and tin ware and metal trays. Geo. Borgfeldt & Co. No. 91,755; May 27; Gaz. vol. 190; p. 1023.
- Aluminum and tin ware and metal trays. Geo. Borgfeldt & Co. No. 91,843; June 3; Gaz. vol. 191; p. 287.
- Aluminum-cleanser. F. J. Brady. No. 93,517; Sept. 23; Gaz. vol. 194; p. 947.
- Aluminum ware. Geo. Borgfeldt & Co. No. 91,066; Apr. 15; Gaz. vol. 189; p. 775.
- Aluminum ware. Geo. Borgfeldt & Co. Nos. 93,674-5; Oct. 14; Gaz. vol. 195; p. 533.
- Ammonia. Badger Oil Specialty Co. No. 94,264; Nov. 25; Gaz. vol. 196; p. 1047.
- Ammonia, tooth-powder, writing fluid, and bluing. The Frederick H. Fox Company. No. 94,279; Nov. 25; Gaz. vol. 196; p. 1047.
- Ammonia-water. Robinson Bros. No. 91,699; May 20; Gaz. vol. 190; p. 789.
- Ammonium valerianate, formates compound, &c. H. S. Wellcome. No. 91,053; Apr. 8; Gaz. vol. 189; p. 520.
- Anesthetic. J. C. Wise. No. 91,733; May 20; Gaz. vol. 190; p. 790.
- Anesthetic. Novocol Chemical Mfg. Co. No. 93,014; Aug. 12; Gaz. vol. 193; p. 505.
- Antacid. The To-Kalon Manufacturing Company. No. 90,598; Mar. 4; Gaz. vol. 188; p. 240.
- Antacid. The International Druggists' and Chemists' Laboratories. No. 92,676; July 22; Gaz. vol. 192; p. 984.
- Anti-asthmatic cigarettes. S. A. Grau. No. 89,954; Jan. 21; Gaz. vol. 186; p. 794.
- Anti-asthmatic cigarettes. S. A. Grau. No. 91,201; Apr. 22; Gaz. vol. 189; p. 1026.
- Anti-asthmatic fumigating-paper. S. A. Grau. No. 90,195; Feb. 11; Gaz. vol. 187; p. 508.
- Anti-asthmatic fumigating-paper. S. A. Grau. No. 91,202; Apr. 22; Gaz. vol. 189; p. 1026.
- Antifermentative and neutralizing wafer. The To-Kalon Manufacturing Company. No. 90,760; Mar. 18; Gaz. vol. 188; p. 805.
- Antiseptic. Chattanooga Medicine Co. No. 93,521; Sept. 23; Gaz. vol. 194; p. 947.
- Antiseptic. F. Schwerz. No. 93,646; Oct. 7; Gaz. vol. 195; p. 271.
- Antiseptic, Alkaline. Voigt & Co. No. 90,860; Mar. 25; Gaz. vol. 188; p. 1049.
- Antiseptic foot-powder. C. W. Nelms and D. L. Harrell. No. 91,232; Apr. 22; Gaz. vol. 189; p. 1027.
- Antiseptic, Internal. Farbwerke vorm. Meister Lucius & Brüning. No. 89,917; Jan. 21; Gaz. vol. 186; p. 793.
- Antiseptic preparations. The Upjohn Company. No. 91,820; May 27; Gaz. vol. 190; p. 1025.
- Antiseptic prescription. P. N. Whitney. No. 90,609; Mar. 4; Gaz. vol. 188; p. 240.
- Antiseptic solution. Schubert Gebrüder. No. 89,957; Jan. 21; Gaz. vol. 186; p. 794.
- Antiseptic solution. H. W. Morse. No. 90,564; Mar. 4; Gaz. vol. 188; p. 239.
- Antiseptic solution. The M. Niven Co. No. 92,352; July 1; Gaz. vol. 192; p. 212.
- Antiseptic tablets. E. P. Teague. No. 91,043; Apr. 8; Gaz. vol. 189; p. 520.
- Antiseptic wash for cattle and sheep. Samuel Cabot, Inc. No. 92,632; July 22; Gaz. vol. 192; p. 983.
- Antiseptics. W. S. Godwin. No. 94,628; Dec. 23; Gaz. vol. 197; p. 992.
- Antiseptics and germicides. New York and London Drug Co. No. 91,684; May 20; Gaz. vol. 190; p. 788.
- Antisyphilitic. C. Schindler. No. 93,383; Sept. 9; Gaz. vol. 194; p. 547.
- Anvils. Illinois Iron & Bolt Co. No. 93,095; Aug. 19; Gaz. vol. 193; p. 750.
- Apparel, Certain named wearing-. Burberrys. No. 93,819; Oct. 21; Gaz. vol. 195; p. 811.
- Apple-juice. R. H. Woodrum. No. 90,080; Jan. 28; Gaz. vol. 186; p. 984.
- Apple-juice, cider, soda and mineral waters, &c. C. C. Truax Company. No. 94,130; Nov. 4; Gaz. vol. 196; p. 271.
- Apples and peaches, Fresh. Potomac Fruit Growers Club. No. 93,906; Oct. 21; Gaz. vol. 195; p. 814.
- Apples, cherries, plums, &c. Mackintosh Manor. No. 92,087; June 17; Gaz. vol. 191; p. 826.
- Apples, Evaporated. Hartmann & Co. No. 92,772; July 29; Gaz. vol. 192; p. 1255.
- Apples, Fresh. Hood River Apple Growers' Union. No. 90,992; Apr. 8; Gaz. vol. 189; p. 518.
- Apples, Fresh. Rothwell & Company. No. 91,035; Apr. 8; Gaz. vol. 189; p. 519.
- Apples, Fresh. Luscious Fruit Company. No. 91,779; May 27; Gaz. vol. 190; p. 1024.
- Aprons, bath-robos, bibs, blouses, &c. F. A. Patrick & Company. No. 89,946; Jan. 21; Gaz. vol. 186; p. 794.

Alphabetical list of trade-marks—Continued.

- Aprons, rubber aprons, slip-covers, and cooler-frocks. Weissfeld Bros. No. 91,626; May 13; Gaz. vol. 190; p. 545.
- Armor-plates and iron and steel. Società Anonima Italiana Gio. Ansaldo Armstrong & Co. No. 94,495; Dec. 9; Gaz. vol. 197; p. 529.
- Art-needlework literature. A. Mayer-Weismann. No. 92,439; July 8; Gaz. vol. 192; p. 512.
- Asbestos shingles, fireproof flooring and roofing. Wyoming Asbestos Producing Co. No. 92,494; July 8; Gaz. vol. 192; p. 514.
- Ash-receivers and match-holders. J. H. Astruck. No. 93,807; Oct. 21; Gaz. vol. 195; p. 811.
- Ash-sifters. Rice and Company. No. 94,322; Nov. 25; Gaz. vol. 196; p. 1048.
- Asphalt. Central Commercial Co. No. 91,169; Apr. 22; Gaz. vol. 189; p. 1025.
- Asphalt. Warren Chemical & Manufacturing Company. No. 91,401; Apr. 29; Gaz. vol. 189; p. 1278.
- Asphalt. Standard Oil Company. No. 93,566; Sept. 23; Gaz. vol. 194; p. 948.
- Asphalt-mastic. Warren Chemical & Manufacturing Company. No. 94,135; Nov. 4; Gaz. vol. 196; p. 271.
- Asphaltum. Warner-Quinlan Asphalt Company. No. 93,055; Aug. 12; Gaz. vol. 193; p. 506.
- Astrakhans, imitation. Joseph Benn & Sons. No. 94,050; Nov. 4; Gaz. vol. 196; p. 269.
- Automobile accessories. Auto Parts Mfg. Co. No. 94,345; Dec. 2; Gaz. vol. 197; p. 235.
- Automobile and horse-drawn-vehicle springs. J. H. Graham. No. 93,712; Oct. 14; Gaz. vol. 195; p. 534.
- Automobile and motor-cycle horns, Electric. The Dean Electric Co. No. 94,608; Dec. 23; Gaz. vol. 197; p. 992.
- Automobile-horns and circuit-controllers for same, Electric. The Dean Electric Company. No. 94,547; Dec. 16; Gaz. vol. 197; p. 777.
- Automobile jacks and tire-savers. The Ashland Manufacturing Company. No. 91,835; June 3; Gaz. vol. 191; p. 287.
- Automobile-polish. R. Greenwald. No. 94,445; Dec. 9; Gaz. vol. 197; p. 528.
- Automobile, &c., polishes. Russia Cement Company. No. 94,672; Dec. 23; Gaz. vol. 197; p. 994.
- Automobile-radiators. English & Mersick Co. No. 94,623; Dec. 23; Gaz. vol. 197; p. 992.
- Automobile runabouts and touring-cars. A. Ward. No. 91,827; May 27; Gaz. vol. 190; p. 1025.
- Automobile shock-absorbers. R. R. Lacey. No. 92,235; June 24; Gaz. vol. 191; p. 1063.
- Automobile-springs. T. B. Jenkins. No. 91,666; May 20; Gaz. vol. 190; p. 788.
- Automobile-springs. Acme Torsion Spring Co. No. 94,043; Nov. 4; Gaz. vol. 196; p. 269.
- Automobile springs and shock-absorbers. Universal Shock Eliminator. No. 93,397; Sept. 9; Gaz. vol. 194; p. 547.
- Automobile-trucks. Federal Motor Truck Co. No. 93,837; Oct. 21; Gaz. vol. 195; p. 812.
- Automobile-trucks, Motor. National Motor Truck Company. No. 91,229; Apr. 22; Gaz. vol. 189; p. 1027.
- Automobile-wheels. The Spare Motor Wheel of America. No. 91,136; Apr. 15; Gaz. vol. 189; p. 777.
- Automobiles. Universal Motor Co. No. 90,679; Mar. 18; Gaz. vol. 188; p. 803.
- Automobiles. G. J. G. Motor Car Co. No. 91,009; Apr. 8; Gaz. vol. 189; p. 519.
- Automobiles. Lancia & Co. No. 91,974; June 10; Gaz. vol. 191; p. 582.
- Automobiles. American Motor Car Co. No. 92,162; June 24; Gaz. vol. 191; p. 1061.
- Automobiles. A. T. Schlater. No. 93,209; Aug. 26; Gaz. vol. 193; p. 1013.
- Automobiles. Commercial Truck Company of America. No. 93,592; Sept. 30; Gaz. vol. 194; p. 1137.
- Automobiles. W. A. De Schaum. No. 94,239; Nov. 18; Gaz. vol. 196; p. 801.
- Automobiles. W. K. Shelley. No. 94,330; Nov. 25; Gaz. vol. 196; p. 1049.
- Automobiles. Empire Automobile Co. No. 94,357; Dec. 2; Gaz. vol. 197; p. 235.
- Automobiles. Société Anonyme Constructions Industrielles Dijonnaises. No. 94,679; Dec. 23; Gaz. vol. 197; p. 994.
- Automobiles and motor-trucks. The Marquette Company. No. 93,191; Aug. 26; Gaz. vol. 193; p. 1012.
- Automobiles and parts of same. The Toledo Carriage Woodwork Co. No. 92,287; June 24; Gaz. vol. 191; p. 1065.
- Automobiles, motor cycles, trucks, and wagons, and bicycles. Chipman Limited. No. 93,689; Oct. 14; Gaz. vol. 195; p. 534.
- Automobiles, trucks, and autotrucks. Falls Machine Company. No. 94,073; Nov. 4; Gaz. vol. 196; p. 270.
- Autoplovers. Hackney Manufacturing Company. No. 92,671; July 22; Gaz. vol. 192; p. 984.
- Axles, Vehicle-. Sheldon Axle Company. No. 91,386; Apr. 29; Gaz. vol. 189; p. 1277.
- Bacilli, Culture of lactic. E. I. Harrington. No. 90,535; Mar. 4; Gaz. vol. 188; p. 238.
- Bacon. The Rath Packing Company. No. 93,464; Sept. 16; Gaz. vol. 194; p. 740.
- Bacteriological preparation. W. M. Bates. No. 90,499; Mar. 4; Gaz. vol. 188; p. 237.
- Bacteriological preparation. W. M. Bates. No. 91,411; Apr. 29; Gaz. vol. 189; p. 1278.
- Bacteriological products. The Ferment Company. No. 94,278; Nov. 25; Gaz. vol. 196; p. 1047.
- Badges and buttons. A. Jarvis. No. 90,708; Mar. 18; Gaz. vol. 188; p. 804.
- Baggage, horse equipments, portfolios, and pocket-books, Certain named. John Boyle & Co. No. 91,067; Apr. 15; Gaz. vol. 189; p. 775.
- Bagging, Jute. Ludlow Manufacturing Associates. No. 91,295; Apr. 22; Gaz. vol. 189; p. 1029.
- Bags and cases, Fancy. S. Mortenson & Co. No. 91,682; May 20; Gaz. vol. 190; p. 788.
- Bags, Traveling-. R. M. Colgate. No. 93,690; Oct. 14; Gaz. vol. 195; p. 534.
- Baking-powder. J. C. Grant Chemical Company. No. 90,111; Feb. 4; Gaz. vol. 187; p. 228.
- Baking-powder. Pure Products Company. No. 90,738; Mar. 18; Gaz. vol. 188; p. 805.
- Baking-powder. John Sexton & Company. No. 90,749; Mar. 18; Gaz. vol. 188; p. 805.
- Baking-powder. The Morey Mercantile Company. No. 90,857; Mar. 25; Gaz. vol. 188; p. 1049.
- Baking-powder. Pacific Commercial Company. No. 91,425; Apr. 29; Gaz. vol. 189; p. 1278.
- Baking-powder. Producers Co. No. 91,426; Apr. 29; Gaz. vol. 189; p. 1278.
- Baking-powder. The Heekin Spice Company. No. 91,483; May 6; Gaz. vol. 190; p. 260.
- Baking-powder. Goldberg, Bowen & Co. No. 91,766; May 27; Gaz. vol. 190; p. 1024.
- Baking-powder. Dwight Edwards Company. No. 92,050; June 17; Gaz. vol. 191; p. 825.
- Baking-powder. Alfred Bird and Sons. No. 92,315; July 1; Gaz. vol. 192; p. 211.
- Baking-powder. Humphreys, Cannon & Co. No. 92,558; July 15; Gaz. vol. 194; p. 739.
- Baking-powder. Wabash Baking Powder Co. No. 92,605; July 15; Gaz. vol. 192; p. 740.
- Baking-powder. E. F. Lomelino. No. 93,875; Oct. 21; Gaz. vol. 195; p. 813.
- Baking-powder. D. & L. Slade Company. No. 94,211; Nov. 11; Gaz. vol. 196; p. 523.
- Baking-powder. M. Warren. No. 94,230; Nov. 11; Gaz. vol. 196; p. 523.
- Baking-powder. L. W. Hahn. No. 94,786; Dec. 30; Gaz. vol. 197; p. 1289.
- Baking-powder, ammonia, and bluing. The Morey Mercantile Company. No. 91,591; May 13; Gaz. vol. 190; p. 544.
- Baking-powder and baking-soda. Layton Pure Food Company. No. 90,352; Feb. 18; Gaz. vol. 187; p. 825.
- Baking powder and soda. Layton Pure Food Company. No. 91,221; Apr. 22; Gaz. vol. 189; p. 1027.
- Baking powder and soda. Layton Pure Food Company. No. 91,975; June 10; Gaz. vol. 191; p. 582.
- Baking powder and soda. The Joannes-Splane Co. No. 93,603; Sept. 30; Gaz. vol. 194; p. 1137.
- Baking powder and soda and gloss-starch. Klauber Wangerheim Co. No. 94,089; Nov. 4; Gaz. vol. 196; p. 270.
- Balances and scales. Landers, Frary & Clark. No. 90,029; Jan. 28; Gaz. vol. 186; p. 982.
- Baling-presses. Economy Baler Company. No. 92,411; July 8; Gaz. vol. 192; p. 512.
- Ball bats, Base-. J. F. Hillerich & Son Company. No. 93,722; Oct. 14; Gaz. vol. 195; p. 535.
- Balls. "Semperit" Oesterreichisch-Amerikanische Gummwerke Aktiengesellschaft. No. 94,120; Nov. 4; Gaz. vol. 196; p. 271.
- Balls, ball-players' gloves and mitts, Base-. Rawlings Mfg. Co. No. 91,374; Apr. 29; Gaz. vol. 189; p. 1277.
- Balls, Base-. A. J. Reach Company. No. 91,248; Apr. 22; Gaz. vol. 189; p. 1028.
- Balls, Base, basket, push, &c. Oliver's Sporting Goods House. No. 90,236; Feb. 11; Gaz. vol. 187; p. 509.
- Barometers, Recording-. Taylor Instrument Companies. No. 92,598; July 15; Gaz. vol. 192; p. 740.
- Barrel-fillers. Pennsylvania Flexible Metallic Tubing Co. No. 94,664; Dec. 23; Gaz. vol. 197; p. 993.
- Barrels and boxes made of compound sheets of wood. Venesta Limited. No. 93,053; Aug. 12; Gaz. vol. 193; p. 506.
- Barrels, covers therefor, &c., Metal ash-. Dover Stamping and Manufacturing Company. No. 89,995; Jan. 28; Gaz. vol. 186; p. 981.
- Bath-tablets, Perfumed. Fabrik chemischer und pharmazeutischer Präparate Dr. Franz Stohr Gesellschaft mit beschränkter Haftung. No. 89,742; Jan. 7; Gaz. vol. 186; p. 285.
- Bath-tub, basin, and closet fittings, supply-pipes, and metallic valves. Detroit Sanitary Supply Company. No. 94,167; Nov. 11; Gaz. vol. 196; p. 521.
- Bathing-suits. The Ocean Bathing Suit Co. No. 90,650; Mar. 11; Gaz. vol. 188; p. 510.
- Bats, tenpins, croquet sets, &c., Base-ball. Saginaw Wood Products Co. No. 92,471; July 8; Gaz. vol. 192; p. 513.

Alphabetical list of trade-marks—Continued.

- Batteries. T. B. Jones. No. 94,086; Nov. 4; Gaz. vol. 196; p. 270.
- Battery-cells. The Nungesser Carbon & Battery Co. No. 91,509; May 6; Gaz. vol. 190; p. 261.
- Battery-cells. The Nungesser Carbon & Battery Co. No. 91,893; June 3; Gaz. vol. 191; p. 289.
- Beans and peas, Dried. The Albert Dickinson Company. No. 91,079; Apr. 15; Gaz. vol. 189; p. 775.
- Bed frames, springs, mattresses, and pillows. De Witt-Seitz Company. No. 89,822; Jan. 14; Gaz. vol. 186; p. 552.
- Beds, Folding. Murphy Wall Bed Co. of California. No. 94,655; Dec. 23; Gaz. vol. 197; p. 993.
- Beds, Sofa-. Pullman Couch Company. No. 93,507; Sept. 16; Gaz. vol. 194; p. 742.
- Bedsprings and counterpanes. Monument Mills. Nos. 93,741-2; Oct. 14; Gaz. vol. 195; p. 535.
- Beef, Sliced. Newark Packing Company. No. 90,831; Mar. 25; Gaz. vol. 188; p. 1048.
- Beer. Birk Bros. Brewing Co. No. 89,907; Jan. 21; Gaz. vol. 186; p. 793.
- Beer. The George J. Renner Brewing Company. No. 90,243; Feb. 11; Gaz. vol. 187; p. 509.
- Beer. Golden West Brewing Company. No. 90,322; Feb. 18; Gaz. vol. 187; p. 824.
- Beer. Burkhardt Brewing Company. No. 90,676; Mar. 18; Gaz. vol. 188; p. 803.
- Beer. Providence Brewing Company. No. 91,692; May 20; Gaz. vol. 190; p. 789.
- Beer. H. Koehler & Co. No. 92,802; July 29; Gaz. vol. 192; p. 1256.
- Beer. The Christian Moerlein Brewing Co. No. 92,875; Aug. 5; Gaz. vol. 193; p. 215.
- Beer. Blood, Wolfe & Co. No. 92,942; Aug. 12; Gaz. vol. 193; p. 503.
- Beer. P. Doelger. No. 92,964; Aug. 12; Gaz. vol. 193; p. 504.
- Beer. The Henry Elias Brewing Company. No. 93,086; Aug. 19; Gaz. vol. 193; p. 749.
- Beer. The Terre Haute Brewing Company. No. 93,133; Aug. 19; Gaz. vol. 193; p. 751.
- Beer. The Deppen Brewing Co. No. 93,166; Aug. 26; Gaz. vol. 193; p. 1011.
- Beer. M. L. Eppstein. No. 93,268; Sept. 2; Gaz. vol. 194; p. 269.
- Beer. Obermeyer and Liebmann. No. 93,288; Sept. 2; Gaz. vol. 194; p. 270.
- Beer. W. McEwan & Co. No. 94,295; Nov. 25; Gaz. vol. 196; p. 1048.
- Beer. Obermeyer & Liebmann. Nos. 94,314-16; Nov. 25; Gaz. vol. 196; p. 1048.
- Beer. Jacob Ruppert, Inc. No. 94,325; Nov. 25; Gaz. vol. 196; p. 1048.
- Beer. The Akron Brewing Company. No. 94,537; Dec. 16; Gaz. vol. 197; p. 777.
- Beer. Pittsburgh Brewing Company. Nos. 94,749-60; Dec. 30; Gaz. vol. 197; p. 1288.
- Beer. Schalk Brewery. No. 94,764; Dec. 30; Gaz. vol. 197; p. 1288.
- Beer, ale, stout, and malt tonic, Lager-. Clausen-Flanagan Brewery. No. 93,502; Sept. 16; Gaz. vol. 194; p. 741.
- Beer and ale, Lager-. Geo. Zett Brewery. No. 94,779; Dec. 30; Gaz. vol. 197; p. 1289.
- Beer and malt extract. The Goebel Brewing Co. No. 92,334; July 1; Gaz. vol. 192; p. 211.
- Beer and porter. Minneapolis Brewing Company. No. 94,249; Nov. 18; Gaz. vol. 196; p. 801.
- Beer-coloring. Emken Chemical Co. No. 94,518; Dec. 9; Gaz. vol. 197; p. 530.
- Beer, Lager-. Jos. Schlitz Brewing Company. No. 90,587; Mar. 4; Gaz. vol. 188; p. 239.
- Beer, Lager-. Kaiserbrauerei Beck & Co. Kommanditgesellschaft auf Aktien. No. 91,877; June 3; Gaz. vol. 191; p. 288.
- Beer, Lager-. The Peter Schoenhofen Brewing Company. No. 92,371; July 1; Gaz. vol. 192; p. 213.
- Beer, Lager-. Jung Brewing Company. No. 92,679; July 22; Gaz. vol. 192; p. 985.
- Beer, lager-beer, ale, and porter. Harvard Brewing Company. No. 92,336; July 1; Gaz. vol. 192; p. 211.
- Beer, Prepared skins for racking. W. Maegerlein. No. 93,368; Sept. 9; Gaz. vol. 194; p. 546.
- Beers, ales, and porters. Flower City Brewing Co. No. 90,009; Jan. 28; Gaz. vol. 186; p. 982.
- Belt-dressing. W. S. Langford. No. 91,355; Apr. 29; Gaz. vol. 189; p. 1276.
- Belt-dressings. Animoll Manufacturing Company. No. 94,151; Nov. 11; Gaz. vol. 196; p. 521.
- Belts. H. P. Cole. No. 92,401; July 8; Gaz. vol. 192; p. 511.
- Belts, Apparel-. Strauss Bros. & Company. No. 92,140; June 17; Gaz. vol. 191; p. 828.
- Belts, Catamenial. A. P. Coolbroth. No. 94,356; Dec. 2; Gaz. vol. 197; p. 235.
- Belts for personal wear. C. G. Bluh. No. 93,157; Aug. 26; Gaz. vol. 193; p. 1011.
- Belts for personal wear, suspenders, and garters. Sidney Suspender Company. No. 94,121; Nov. 4; Gaz. vol. 196; p. 271.
- Belting, Canvas stitched. Fort Wayne Oil and Supply Company. No. 91,189; Apr. 22; Gaz. vol. 189; p. 1026.
- Belting, Fabric. Transportation Utilities Company. No. 92,289; June 24; Gaz. vol. 191; p. 1065.
- Belting, hose, and machinery packing. The Philip Carey Manufacturing Company. No. 91,168; Apr. 22; Gaz. vol. 189; p. 1025.
- Belting, hose, and machinery packing, Certain. Imperial Rubber Co. No. 92,080; June 17; Gaz. vol. 191; p. 826.
- Belting, hose, and packing. New York Belting & Packing Co. No. 91,013; Apr. 8; Gaz. vol. 189; p. 519.
- Belting, hose, and packing. Revere Rubber Company. No. 93,293; Sept. 2; Gaz. vol. 194; p. 270.
- Belting, hose, machinery packing, and non-metallic tires, Certain. "Semperit" Oesterreichisch-Amerikanische Gummiwerke Aktiengesellschaft. No. 93,565; Sept. 23; Gaz. vol. 194; p. 948.
- Belting, Leather. Chicago Belting Co. No. 90,968; Apr. 8; Gaz. vol. 189; p. 517.
- Belting, Leather. J. F. & W. H. Warren Co. No. 91,402; Apr. 29; Gaz. vol. 189; p. 1278.
- Belting, Leather. The J. F. & W. H. Warren Co. No. 91,535; May 6; Gaz. vol. 190; p. 262.
- Belting, leather fillet, and rubber hose, steam and sheet packing, Certain named. Page Belting Company. No. 94,111; Nov. 4; Gaz. vol. 196; p. 271.
- Belting, Machine-. Main Belting Company. No. 92,695; July 22; Gaz. vol. 192; p. 985.
- Belting, Rawhide. Missouri Belting Company. No. 90,825; Mar. 25; Gaz. vol. 188; p. 1048.
- Belting, Textile. Boston Belting Company. No. 89,983; Jan. 28; Gaz. vol. 186; p. 981.
- Belting, Waterproof leather. The Fisher Leather Belting Co. No. 91,565; May 13; Gaz. vol. 190; p. 543.
- Belting, Woven machine-. The Russell Manufacturing Co. No. 93,497; Sept. 16; Gaz. vol. 194; p. 741.
- Benches, stools, cabinets, tables, and chairs. Tonk Manufacturing Company. No. 94,128; Nov. 4; Gaz. vol. 196; p. 271.
- Beverage, Alcoholic. Ve h de R. de la Mora. No. 94,718; Dec. 30; Gaz. vol. 197; p. 1287.
- Beverage and nerve-tonic. G. F. W. Wohler. No. 90,942; Apr. 1; Gaz. vol. 189; p. 249.
- Beverage and syrup for making the same, Non-alcoholic. C. J. Howel. No. 91,347; Apr. 29; Gaz. vol. 189; p. 1276.
- Beverage, Certain non-alcoholic. H. L. Herring. No. 92,982; Aug. 12; Gaz. vol. 193; p. 504.
- Beverage, Non-alcoholic. J. A. Harriss. No. 91,339; Apr. 29; Gaz. vol. 189; p. 1276.
- Beverage, Non-alcoholic. Sip Manufacturing Company. No. 92,373; July 1; Gaz. vol. 192; p. 213.
- Beverage, Non-alcoholic. Corbitt & Brown. No. 93,079; Aug. 19; Gaz. vol. 193; p. 749.
- Beverage, Non-alcoholic tonic malt. J. E. Rosenfeld. No. 92,718; July 22; Gaz. vol. 192; p. 986.
- Beverages, Carbonated. C. C. Porter. No. 92,121; June 17; Gaz. vol. 191; p. 827.
- Beverages, Cereal preparations for making. E. P. Berry & Co. No. 92,314; July 1; Gaz. vol. 192; p. 211.
- Beverages, Certain named. G. Kornahrens. No. 93,276; Sept. 2; Gaz. vol. 194; p. 269.
- Beverages, Certain named non-alcoholic. L. M. Park. No. 92,708; July 22; Gaz. vol. 192; p. 985.
- Beverages, Fruit soda-fountain. T. J. Sauls. No. 94,254; Nov. 18; Gaz. vol. 196; p. 801.
- Beverages, Non-intoxicating carbonated tonic. C. O. McGraw. No. 93,738; Oct. 14; Gaz. vol. 195; p. 535.
- Beverages, Nutrient or tonic. National Syrup Co. No. 91,230; Apr. 22; Gaz. vol. 189; p. 1027.
- Beverages, Syrup for. J. L. Tyler. No. 94,034; Oct. 28; Gaz. vol. 195; p. 1047.
- Bicycle, tricycle, &c., pedals. The Standard Company. Nos. 93,768-9; Oct. 14; Gaz. vol. 195; p. 536.
- Bicycles. Sears, Roebuck and Co. No. 91,609; May 13; Gaz. vol. 190; p. 545.
- Bicycles. Belknap Hardware and Manufacturing Company. No. 91,940; June 10; Gaz. vol. 191; p. 581.
- Bicycles. F. M. Jones. No. 92,226; June 24; Gaz. vol. 191; p. 1063.
- Billiard and pool table cushions. H. Ehrlich & Sons Mfg. Co. No. 90,632; Mar. 11; Gaz. vol. 188; p. 509.
- Billiard and pool tables, combinations of, and accessories for same. The E. T. Burrows Company. No. 93,684; Oct. 14; Gaz. vol. 195; p. 534.
- Binders and loose-leaf files, Temporary. The Bigelow Binder Co. No. 92,171; June 24; Gaz. vol. 191; p. 1061.
- Biscuit. National Biscuit Company. Nos. 89,868-9; Jan. 14; Gaz. vol. 186; p. 553.
- Biscuit. National Biscuit Company. Nos. 90,038-43; Jan. 28; Gaz. vol. 186; p. 983.
- Biscuit. National Biscuit Company. No. 90,466; Feb. 25; Gaz. vol. 187; p. 1113.
- Biscuit. National Biscuit Company. No. 91,011; Apr. 8; Gaz. vol. 189; p. 519.
- Biscuit. National Biscuit Company. Nos. 91,108-17; Apr. 15; Gaz. vol. 189; p. 776.
- Biscuit. National Biscuit Company. No. 91,227; Apr. 22; Gaz. vol. 189; p. 1027.

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- Biscuit. National Biscuit Company. No. 91,504; May 6; Gaz. vol. 190; p. 261.
- Biscuit. National Biscuit Company. No. 92,107; June 17; Gaz. vol. 191; p. 827.
- Biscuit. National Biscuit Company. No. 92,253; June 24; Gaz. vol. 191; p. 1064.
- Biscuit. Spratt's Patent. No. 92,281; June 24; Gaz. vol. 191; p. 1064.
- Biscuit. National Biscuit Company. Nos. 92,447-52; July 8; Gaz. vol. 192; p. 513.
- Biscuit. National Biscuit Company. No. 92,819; July 29; Gaz. vol. 192; p. 1257.
- Biscuit. National Biscuit Company. No. 93,009; Aug. 12; Gaz. vol. 193; p. 505.
- Biscuit. Johnson Educator Food Company. No. 93,858; Oct. 21; Gaz. vol. 195; p. 813.
- Biscuit. National Biscuit Company. Nos. 94,302-4; Nov. 25; Gaz. vol. 196; p. 1048.
- Biscuit. National Biscuit Company. Nos. 94,306-13; Nov. 25; Gaz. vol. 196; p. 1048.
- Biscuit and bread. National Biscuit Company. No. 94,305; Nov. 25; Gaz. vol. 196; p. 1048.
- Biscuit, crackers, and wafers. Independent Baking Company. No. 90,214; Feb. 11; Gaz. vol. 187; p. 508.
- Biscuits. A. F. Goetz. No. 89,843; Jan. 14; Gaz. vol. 186; p. 552.
- Biscuits. The Marjenhoff Company. No. 89,864; Jan. 14; Gaz. vol. 186; p. 553.
- Biscuits. Reinschild Chemical Company. No. 91,694; May 20; Gaz. vol. 190; p. 789.
- Biscuits, cakes, and cookies. Loose-Wiles Biscuit Company. Nos. 91,099-100; Apr. 15; Gaz. vol. 189; p. 776.
- Bitters. A. Grünbaum. No. 90,534; Mar. 4; Gaz. vol. 188; p. 238.
- Bitters. Split Bitter Co. No. 94,332; Nov. 25; Gaz. vol. 196; p. 1049.
- Bitters. Alcoholic. W. H. Chaplin & Company. No. 90,160; Feb. 11; Gaz. vol. 187; p. 507.
- Bitters, Stomach-. Adams & Co. Mfg. Co. No. 89,901; Jan. 21; Gaz. vol. 186; p. 793.
- Bitters, Stomach-. The Hostetter Company. No. 91,211; Apr. 22; Gaz. vol. 189; p. 1027.
- Blackboards. Weber Costello Company. No. 90,069; Jan. 28; Gaz. vol. 186; p. 983.
- Blankets. Esmond Mills. No. 90,823; Mar. 25; Gaz. vol. 188; p. 1048.
- Blankets. The Beckman Company. No. 93,671; Oct. 14; Gaz. vol. 195; p. 533.
- Blankets and steamer-rugs. Bed-. F. C. Huyck and Sons. No. 92,428; July 8; Gaz. vol. 192; p. 512.
- Blankets, Wool. The Pittsburgh Dry Goods Company. No. 93,022; Aug. 12; Gaz. vol. 193; p. 505.
- Blankets, Woolen bed-. American Woolen Company. No. 91,287; Apr. 22; Gaz. vol. 189; p. 1029.
- Bleaching liquids. A. Peuchot, Inc. No. 93,459; Sept. 16; Gaz. vol. 194; p. 740.
- Bleaching material. The Roessler & Hasslacher Chemical Company. No. 91,700; May 20; Gaz. vol. 190; p. 789.
- Bleaching-powders. J. T. Stanley. No. 91,712; May 20; Gaz. vol. 190; p. 789.
- Blocks, Children's letter-. Baker & Bennett Co. No. 93,668; Oct. 14; Gaz. vol. 195; p. 533.
- Blood-pressure-raising and hemostatic compounds. Frederick Stearns & Co. No. 90,142; Feb. 4; Gaz. vol. 187; p. 228.
- Blood-purifier. I. M. S. Chemical Co. No. 89,756; Jan. 7; Gaz. vol. 186; p. 285.
- Blood-purifier. A. H. Jones. No. 92,991; Aug. 12; Gaz. vol. 193; p. 504.
- Blood-purifier. Lyon Blood Purifier Company. No. 94,097; Nov. 4; Gaz. vol. 196; p. 270.
- Blood-purifiers, salves, &c. M. Le Bar. No. 93,186; Aug. 26; Gaz. vol. 193; p. 1012.
- Blood-renovator. L. R. Crawford & J. B. Wood, M. D. No. 93,523; Sept. 23; Gaz. vol. 194; p. 947.
- Blouses. C. Eisenman Company. No. 90,003; Jan. 28; Gaz. vol. 186; p. 982.
- Blouses. The Strouse-Baer Co. No. 91,815; May 27; Gaz. vol. 190; p. 1025.
- Blouses and skirts. Schwarz & Wild. No. 92,836; July 29; Gaz. vol. 192; p. 1257.
- Blow-guns. S. Kierski. No. 92,009; June 10; Gaz. vol. 191; p. 583.
- Bluing and starch, Laundry. Reckitt & Sons. No. 89,769; Jan. 7; Gaz. vol. 186; p. 286.
- Bluing, Laundry. F. Johnson. No. 89,927; Jan. 21; Gaz. vol. 186; p. 793.
- Boats. The Electric Launch Co. No. 93,085; Aug. 19; Gaz. vol. 193; p. 749.
- Boiler compound, Liquid. E. M. Deal. No. 93,266; Sept. 2; Gaz. vol. 194; p. 269.
- Boiler injectors and feeders. Steam-. Nathan Manufacturing Company. No. 90,908; Apr. 1; Gaz. vol. 189; p. 248.
- Boilers, superheaters, stokers, and parts thereof. The Babcock & Wilcox Company. No. 89,810; Jan. 14; Gaz. vol. 186; p. 551.
- Bolting-cloth, Silk. Hammond-Homberger Co. No. 90,017; Jan. 28; Gaz. vol. 186; p. 982.
- Bolts and screws. U. S. Expansion Bolt Co. No. 90,147; Feb. 4; Gaz. vol. 187; p. 229.
- Bone-black. E. F. Houghton & Company. No. 91,212; Apr. 22; Gaz. vol. 189; p. 1027.
- Book-marks, hymns, magazines, and books. A. Jarvis. No. 92,430; July 8; Gaz. vol. 192; p. 512.
- Books. R. S. Clymer. No. 93,339; Sept. 9; Gaz. vol. 194; p. 545.
- Books, Account-. J. D. Ward. No. 92,853; July 29; Gaz. vol. 192; p. 1258.
- Books and pamphlets. Moody Manual Company. No. 90,723; Mar. 18; Gaz. vol. 188; p. 804.
- Books and pamphlets, Printed. United Ancient Order of Druids. No. 93,222; Aug. 26; Gaz. vol. 193; p. 1013.
- Books and printed publications. The Gideons. No. 89,839; Jan. 14; Gaz. vol. 186; p. 552.
- Books, booklets, pamphlets, and prints, Printed. F. S. Root Co. No. 94,762; Dec. 30; Gaz. vol. 197; p. 1288.
- Books, Coupon-. H. H. Haeger. No. 93,091; Aug. 19; Gaz. vol. 193; p. 750.
- Books, Manifold-. American Sales Book Company. No. 90,401; Feb. 25; Gaz. vol. 187; p. 1111.
- Books, pamphlets, prints, &c. Boy Scouts of America. No. 90,960; Apr. 8; Gaz. vol. 189; p. 517.
- Books, prints, and pamphlets, Printed. The Rawfant Bindery Company. No. 93,756; Oct. 14; Gaz. vol. 195; p. 536.
- Boots and shoes. Lewis A. Crossett, Inc. No. 90,685; Mar. 18; Gaz. vol. 188; p. 803.
- Boots and shoes. Ellison-Walker Shoe Co. No. 90,690; Mar. 18; Gaz. vol. 188; p. 803.
- Boots and shoes. E. W. Burt & Co. No. 90,789; Mar. 25; Gaz. vol. 188; p. 1047.
- Boots and shoes. Jos. Rosenheim Shoe Co. No. 90,843; Mar. 25; Gaz. vol. 188; p. 1049.
- Boots and shoes. Jos. Rosenheim Shoe Co. No. 90,924; Apr. 1; Gaz. vol. 189; p. 249.
- Boots and shoes. A. W. Tedcastle & Co. No. 91,817; May 27; Gaz. vol. 190; p. 1025.
- Boots and shoes. The Beacon Falls Rubber Shoe Company. No. 92,624; July 22; Gaz. vol. 192; p. 983.
- Boots and shoes. Selz, Schwab & Co. No. 92,727; July 22; Gaz. vol. 192; p. 986.
- Boots and shoes. Sawyer Boot & Shoe Co. No. 92,834; July 29; Gaz. vol. 192; p. 1257.
- Boots and shoes. Roblee-Wass Shoe Company. No. 94,669; Dec. 23; Gaz. vol. 197; p. 994.
- Boots and shoes, Leather. The Pilot Shoe Co. No. 90,052; Jan. 28; Gaz. vol. 186; p. 983.
- Boots and shoes, Leather. M. C. Pritchard. No. 91,373; Apr. 29; Gaz. vol. 189; p. 1277.
- Boots and shoes, Leather. Hurley Shoe Company. No. 92,427; July 8; Gaz. vol. 192; p. 512.
- Boots and shoes, Leather. The Manss Shoe Mfg. Co. No. 92,811; July 29; Gaz. vol. 192; p. 1256.
- Boots and shoes, Leather. Regal Shoe Company. No. 93,116; Aug. 19; Gaz. vol. 193; p. 750.
- Boots and shoes, Leather. F. Mayer Boot & Shoe Co. No. 93,882; Oct. 21; Gaz. vol. 195; p. 813.
- Boots and shoes, Leather. The Excelsior Shoe Company. No. 94,723; Dec. 30; Gaz. vol. 197; p. 1287.
- Boots and shoes, Leather. F. Mayer Boot & Shoe Co. No. 94,738; Dec. 30; Gaz. vol. 197; p. 1288.
- Boots and shoes, Rubber and leather. Northern Shoe Co. No. 94,744; Dec. 30; Gaz. vol. 197; p. 1288.
- Boots, shoes, and slippers. L. Judell. No. 90,542; Mar. 4; Gaz. vol. 188; p. 238.
- Boots, shoes, and slippers. Roblee-Wass Shoe Company. No. 93,909; Oct. 21; Gaz. vol. 195; p. 814.
- Boots, shoes, and slippers, Leather. Churchill & Alden Co. No. 92,187; June 24; Gaz. vol. 191; p. 1062.
- Boots, shoes, pumps, and slippers. Boyden Shoe Manufacturing Company. No. 93,816; Oct. 21; Gaz. vol. 195; p. 811.
- Boots, shoes, slippers, and overshoes. Shivers & Simon. No. 94,534; Dec. 9; Gaz. vol. 197; p. 530.
- Borax. Stauffer Chemical Co. No. 92,138; June 17; Gaz. vol. 191; p. 828.
- Bottles, Glass milk and cream. Empire Bottle & Supply Company. No. 94,722; Dec. 30; Gaz. vol. 197; p. 1287.
- Bottles, Vacuum-. Strauss Manufacturing Company. No. 90,064; Jan. 28; Gaz. vol. 186; p. 983.
- Bottles, Vacuum-. Geo. Borgfeldt & Co. No. 92,627; July 22; Gaz. vol. 192; p. 983.
- Bottles, Vacuum-. Geo. Borgfeldt & Co. No. 92,869; Aug. 5; Gaz. vol. 193; p. 215.
- Bottling device. McKenna Bros. Brass Co. No. 92,570; July 15; Gaz. vol. 192; p. 739.
- Bow, Fabric. The Columbia Ribbon Company. No. 90,680; Mar. 18; Gaz. vol. 188; p. 803.
- Bows, bust-ruffles, bosom-forms, &c., Pump-. E. E. Clymer. No. 93,338; Sept. 9; Gaz. vol. 194; p. 545.
- Bowling-balls. Sagamore Rubber Manufacturing Company. No. 92,266; June 24; Gaz. vol. 191; p. 1064.
- Box-springs, mattresses, pillows, and bedsteads. H. D. Dougherty. No. 91,652; Mar. 20; Gaz. vol. 190; p. 787.
- Boxes. A. Hess. No. 92,425; July 8; Gaz. vol. 192; p. 512.

Alphabetical list of trade-marks—Continued.

- Boxes, buckets, cans, and pails. The New England Enameling Company. No. 91,121; Apr. 15; Gaz. vol. 189; p. 776.
- Boxes, Hat, shirt, and shoe. John Boyle & Co. No. 91,068; Apr. 15; Gaz. vol. 189; p. 775.
- Boxes, Paper. Crescent Corrugated Paper Products Co. No. 89,992; Jan. 28; Gaz. vol. 186; p. 981.
- Boxes, Paper and fiber. J. D. Bowersock. No. 89,984; Jan. 28; Gaz. vol. 186; p. 981.
- Boxes, Thread and yarn. Universal Textile Co. No. 90,066; Jan. 28; Gaz. vol. 186; p. 983.
- Bracelets, rings, brooches, &c. Juergens Jewelry Company. No. 90,710; Mar. 18; Gaz. vol. 188; p. 804.
- Braces, Body-. R. F. MacClemmy. Nos. 92,242-3; June 24; Gaz. vol. 191; p. 1063.
- Brake-linings. The Philip Carey Manufacturing Co. No. 93,333; Sept. 9; Gaz. vol. 194; p. 545.
- Brake-shoes. American Brake Shoe & Foundry Company. No. 90,281; Feb. 18; Gaz. vol. 187; p. 823.
- Brake-staff supports and brake-steps. Harry Vissering & Company. No. 92,486; July 8; Gaz. vol. 192; p. 514.
- Brandies. P. Domecq. Nos. 89,738-40; Jan. 7; Gaz. vol. 186; p. 285.
- Brandies and cordials. Stone Hill Wine Company. No. 90,847; Mar. 25; Gaz. vol. 188; p. 1049.
- Brandy. A. D. Shaw & Co. No. 92,372; July 1; Gaz. vol. 192; p. 213.
- Brandy. Italian-Swiss Colony. No. 92,800; July 29; Gaz. vol. 192; p. 1256.
- Brandy. Gautier Frères. No. 93,841; Oct. 21; Gaz. vol. 195; p. 812.
- Brandy. Vve. Rogée & Monnet. No. 94,115; Nov. 4; Gaz. vol. 196; p. 271.
- Brandy, gin, and whisky. M. A. Snow. No. 92,136; June 17; Gaz. vol. 191; p. 828.
- Brandy, gin, and whisky. E. Quirin. No. 92,363; July 1; Gaz. vol. 192; p. 212.
- Brass and copper articles, Liquid for plating. A. L. Hoffman. No. 92,985; Aug. 12; Gaz. vol. 193; p. 504.
- Brass, copper, gold, and silver. J. Rosenblatt. No. 92,469; July 8; Gaz. vol. 192; p. 513.
- Bread. John English Baking Company. No. 89,833; Jan. 14; Gaz. vol. 186; p. 552.
- Bread. Papendick Bakery Company. No. 90,048; Jan. 28; Gaz. vol. 186; p. 983.
- Bread. Fisher & Seiler. No. 90,318; Feb. 18; Gaz. vol. 187; p. 824.
- Bread. Progressive Co-Operative Association. No. 90,920; Apr. 1; Gaz. vol. 189; p. 248.
- Bread. E. L. Sawyer. No. 90,921; Apr. 1; Gaz. vol. 189; p. 249.
- Bread. H. B. Ward. No. 91,533; May 6; Gaz. vol. 190; p. 261.
- Bread. L. W. Brown. No. 92,042; June 17; Gaz. vol. 191; p. 825.
- Bread. L. O. Bianchi. No. 92,170; June 24; Gaz. vol. 191; p. 1061.
- Bread. C. H. Dinkelacker. No. 92,326; July 1; Gaz. vol. 192; p. 211.
- Bread. S. E. Loveless Advertising Service. No. 92,693; July 22; Gaz. vol. 192; p. 985.
- Bread. Torrens Petri Baking Co. No. 92,843; July 29; Gaz. vol. 192; p. 1257.
- Bread. H. B. Ward. Nos. 92,851-2; July 29; Gaz. vol. 192; p. 1258.
- Bread. H. B. Ward. No. 92,927; Aug. 5; Gaz. vol. 193; p. 217.
- Bread. J. J. Planett. No. 93,461; Sept. 16; Gaz. vol. 194; p. 740.
- Bread. Worcester Baking Company. No. 93,484; Sept. 16; Gaz. vol. 194; p. 741.
- Bread. J. G. Schuerger. No. 93,563; Sept. 23; Gaz. vol. 194; p. 948.
- Bread. Young & Swain Baking Co. No. 93,653; Oct. 7; Gaz. vol. 195; p. 271.
- Bread. C. Hoffmann. No. 93,848; Oct. 21; Gaz. vol. 195; p. 812.
- Bread. Pratt Bread Company. No. 93,907; Oct. 21; Gaz. vol. 195; p. 814.
- Bread. W. Schwartz. No. 93,927; Oct. 21; Gaz. vol. 195; p. 814.
- Bread. C. Rust. No. 94,673; Dec. 23; Gaz. vol. 197; p. 994.
- Bread and cakes. Bonnet Baking Company. No. 90,782; Mar. 25; Gaz. vol. 188; p. 1047.
- Bread, rolls, biscuits, cakes, &c. Ward Baking Company. No. 91,625; May 13; Gaz. vol. 190; p. 545.
- Bread, rolls, biscuits, cakes, &c. Ward Baking Company. No. 93,139; Aug. 19; Gaz. vol. 193; p. 751.
- Bread-sticks. A. F. Goetz. No. 89,844; Jan. 14; Gaz. vol. 186; p. 552.
- Bread-sticks. A. Angonoa. No. 93,515; Sept. 23; Gaz. vol. 194; p. 947.
- Bread, Unleavened. M. London. No. 91,360; Apr. 29; Gaz. vol. 189; p. 1276.
- Brick. Hydraulic Press Brick Co. No. 91,966; June 10; Gaz. vol. 191; p. 582.
- Brick. The Enamel Vitriified Brick Company. No. 92,761; July 29; Gaz. vol. 192; p. 1255.
- Brick. Hydraulic-Press Brick Company. No. 93,602; Sept. 30; Gaz. vol. 194; p. 1137.
- Brick. Hydraulic-Press Brick Company. No. 94,083; Nov. 4; Gaz. vol. 196; p. 270.
- Bricks. Thomas Moulding Co. No. 92,012; June 10; Gaz. vol. 191; p. 583.
- Bricks, Fire-. Fulton Fire Brick Company. No. 91,567; May 13; Gaz. vol. 190; p. 543.
- Bristles. A. Richter. No. 90,055; Jan. 28; Gaz. vol. 186; p. 983.
- Broaching-machines and broaches. The J. N. Lapointe Co. No. 92,344; July 1; Gaz. vol. 192; p. 212.
- Bromin compound. The Hoffmann-La Roche Chemical Works. No. 91,343; Apr. 29; Gaz. vol. 189; p. 1276.
- Bromin compound. The Hoffmann-La Roche Chemical Works. No. 91,769; May 27; Gaz. vol. 190; p. 1024.
- Bronze powders, bronzing liquids, &c. Baer Bros. No. 90,672; Mar. 18; Gaz. vol. 188; p. 803.
- Brooms. McIntosh and Alberts. No. 90,556; Mar. 4; Gaz. vol. 188; p. 239.
- Brooms. Gardner Broom Company. No. 91,197; Apr. 22; Gaz. vol. 189; p. 1026.
- Brooms. Gardner Broom Company. No. 91,337; Apr. 29; Gaz. vol. 189; p. 1276.
- Brooms. Pioneer Broom Company. No. 92,576; July 15; Gaz. vol. 192; p. 739.
- Brooms. Zan Bros. No. 92,859; July 29; Gaz. vol. 192; p. 1258.
- Brooms. Atlantic Southwestern Broom Co. No. 93,150; Aug. 26; Gaz. vol. 193; p. 1011.
- Brushes. E. M. Hunt. No. 89,849; Jan. 14; Gaz. vol. 186; p. 553.
- Brushes. Bromwell Brush and Wire Goods Co. No. 89,985; Jan. 28; Gaz. vol. 186; p. 981.
- Brushes. Geo. Borgfeldt & Co. No. 91,314; Apr. 29; Gaz. vol. 189; p. 1275.
- Brushes. Tower Manufacturing & Novelty Co. No. 91,396; Apr. 29; Gaz. vol. 189; p. 1278.
- Brushes. The Bigelow Brush Co. No. 91,454; May 6; Gaz. vol. 190; p. 259.
- Brushes. The Bigelow Brush Co. Nos. 91,549-50; May 13; Gaz. vol. 190; p. 543.
- Brushes. Montag Brothers. No. 91,787; May 27; Gaz. vol. 190; p. 1024.
- Brushes. Wadsworth, Howland & Co. No. 93,943; Oct. 21; Gaz. vol. 195; p. 815.
- Brushes. J. C. Dowd & Co. No. 94,069; Nov. 4; Gaz. vol. 196; p. 269.
- Brushes. Pacific Novelty Company. No. 94,109; Nov. 4; Gaz. vol. 196; p. 271.
- Brushes and dusters, Certain named. Rennous, Kleinle & Co. of Baltimore City. No. 91,377; Apr. 29; Gaz. vol. 189; p. 1277.
- Brushes and polishers, Shoe. Regal Shoe Company. No. 91,032; Apr. 8; Gaz. vol. 189; p. 519.
- Brushes, Certain named. P. Fogarty & Co. No. 90,106; Feb. 4; Gaz. vol. 187; p. 227.
- Brushes, Clothes and toilet. Druggists' Co-Operative Association. No. 93,503; Sept. 16; Gaz. vol. 194; p. 741.
- Brushes, Hair and tooth. A. Letts. No. 91,357; Apr. 29; Gaz. vol. 189; p. 1276.
- Brushes having celluloid handles. Geo. Borgfeldt & Co. No. 93,159; Aug. 26; Gaz. vol. 193; p. 1011.
- Brushes, Toilet-. Geo. Borgfeldt & Co. No. 92,527; July 15; Gaz. vol. 192; p. 738.
- Brushes, Toilet-. Deitsch Brothers. No. 93,430; Sept. 16; Gaz. vol. 194; p. 739.
- Brushes, Tooth-. Hall & Ruckel. No. 93,351; Sept. 9; Gaz. vol. 194; p. 546.
- Brushes, Tooth-. A. J. McDonagh. No. 93,883; Oct. 21; Gaz. vol. 195; p. 813.
- Buchu extract, chill-tonics, pills, &c. Wintersmith Chemical Co. No. 90,612; Mar. 4; Gaz. vol. 188; p. 240.
- Building-blocks. C. Duguid. No. 90,307; Feb. 18; Gaz. vol. 187; p. 824.
- Building-blocks, bricks, tiles, and pillars. The General Ceramic Manufacturing Company. No. 93,347; Sept. 9; Gaz. vol. 194; p. 546.
- Building material, Fibrous. H. Dubbledam Hzn. No. 91,349; Apr. 29; Gaz. vol. 189; p. 1276.
- Building materials. Societe Francaise De L'Ondulium. No. 93,387; Sept. 9; Gaz. vol. 194; p. 547.
- Buildings, Device for waterproofing and cleaning. N. Farnham. No. 90,566; Mar. 4; Gaz. vol. 188; p. 239.
- Bunting. Annin & Co. No. 91,749; May 27; Gaz. vol. 190; p. 1023.
- Bunting. United States Bunting Co. Nos. 92,483-4; July 8; Gaz. vol. 192; p. 514.
- Bunting, Unbleached. Carson, Pirie, Scott & Co. No. 93,822; Oct. 21; Gaz. vol. 195; p. 811.
- Burners for fuel-oil. Production Engineering Co. No. 94,485; Dec. 9; Gaz. vol. 197; p. 529.
- Bush-hooks, bits, braces, chisels, &c. Stauffer, Eshleman & Co. No. 91,714; May 20; Gaz. vol. 190; p. 789.
- Butter. P. E. Sharpless Company. No. 90,062; Jan. 28; Gaz. vol. 186; p. 983.
- Butter. Hammond, Standish & Co. No. 90,200; Feb. 11; Gaz. vol. 187; p. 508.

Alphabetical list of trade-marks—Continued.

- Butter. E. L. Benedict & Son. No. 90,409; Feb. 25; Gaz. vol. 187; p. 1111.
- Butter. Kingan & Company. No. 90,546; Mar. 4; Gaz. vol. 188; p. 238.
- Butter. The Concordia Creamery Company. No. 91,461; May 6; Gaz. vol. 190; p. 259.
- Butter. Ammon & Person. No. 92,030; June 17; Gaz. vol. 191; p. 825.
- Butter. W. R. Meier. No. 92,815; July 29; Gaz. vol. 192; p. 1256.
- Butter. Bellville Promoting Co. No. 93,809; Oct. 21; Gaz. vol. 195; p. 811.
- Butter and cheese. Pinney & Geddes. No. 91,027; Apr. 8; Gaz. vol. 189; p. 519.
- Butter and cheese. Kiel Brothers. No. 94,383; Dec. 2; Gaz. vol. 197; p. 236.
- Butter and dry milk. California Central Creameries. No. 90,414; Feb. 25; Gaz. vol. 187; p. 1111.
- Butter and eggs. C. Abrams. No. 92,308; July 1; Gaz. vol. 192; p. 211.
- Butter and eggs. The Rock Island Butter Co. No. 94,324; Nov. 25; Gaz. vol. 196; p. 1048.
- Butter-coloring preparations. Wells & Richardson Company. No. 91,729; May 20; Gaz. vol. 190; p. 790.
- Butter, Creamery-. The Nissley Creamery Company. No. 90,468; Feb. 25; Gaz. vol. 187; p. 1113.
- Butter-separators, churns, &c. The Blanton & McKay Company. No. 93,068; Aug. 19; Gaz. vol. 193; p. 749.
- Buttons. Continental Shoe Button Co. No. 90,969; Apr. 8; Gaz. vol. 189; p. 517.
- Buttons. The Philadelphia Button Company. No. 92,116; June 17; Gaz. vol. 191; p. 827.
- Buttons and clasps, Snap. F. Homberg. No. 91,577; May 13; Gaz. vol. 190; p. 544.
- Buttons and shirt-studs, Collar and cuff. Back-Rack Collar Button Co. No. 94,346; Dec. 2; Gaz. vol. 197; p. 235.
- Buttons, Collar-. Advance Button Company. No. 89,902; Jan. 21; Gaz. vol. 186; p. 793.
- Buttons, Collar-. S. A. Hartogensis. No. 90,988; Apr. 8; Gaz. vol. 189; p. 518.
- Buttons, Collar-. Parks Bros. & Rogers. Nos. 93,750-1; Oct. 14; Gaz. vol. 195; p. 536.
- Buttons, Snap-. Walde & Co. Nos. 89,783-4; Jan. 7; Gaz. vol. 186; p. 286.
- Buttons, Snap-. Walde & Co. Nos. 90,486-90; Feb. 25; Gaz. vol. 187; p. 1113.
- Buttons, Snap-. Walde & Co. Nos. 90,604-5; Mar. 4; Gaz. vol. 188; p. 240.
- Buttons, Snap-. Walde & Co. Nos. 90,767-8; Mar. 18; Gaz. vol. 188; p. 806.
- Buttons, Snap-. Walde & Co. No. 90,852; Mar. 25; Gaz. vol. 188; p. 1049.
- Buttons, Snap-. Walde & Co. Nos. 91,724-5; May 20; Gaz. vol. 190; p. 790.
- Buttons, Snap-. Walde & Co. Nos. 91,823-6; May 27; Gaz. vol. 190; p. 1025.
- Buttons, Snap-. Walde & Co. No. 91,922; June 3; Gaz. vol. 191; p. 289.
- Buttons, Snap-. Walde & Co. Nos. 92,018-20; June 10; Gaz. vol. 191; p. 583.
- Buttons, Snap-. Walde & Co. Nos. 92,150-1; June 17; Gaz. vol. 191; p. 828.
- Buttons, Snap-. Walde & Co. No. 94,699; Dec. 23; Gaz. vol. 197; p. 994.
- Cabinets, Kitchen-. New Panitary Sales Co. No. 91,233; Apr. 22; Gaz. vol. 189; p. 1027.
- Cables and ropes. Broderick & Bascom Rope Company. No. 92,786; July 29; Gaz. vol. 192; p. 1256.
- Cables and ropes. Broderick & Bascom Rope Company. No. 93,682; Oct. 14; Gaz. vol. 195; p. 533.
- Cables and ropes. Broderick & Bascom Rope Company. No. 93,962; Oct. 28; Gaz. vol. 195; p. 1045.
- Cake, Fruit-. Collin Street Bakery. No. 93,826; Oct. 21; Gaz. vol. 195; p. 812.
- Cake-icing coloring. S. Gumpert & Co. No. 91,420; Apr. 29; Gaz. vol. 189; p. 1278.
- Cakes. F. N. Calderwood. No. 92,787; July 29; Gaz. vol. 192; p. 1256.
- Cakes and cookies. Perfection Biscuit Company. No. 93,903; Oct. 21; Gaz. vol. 195; p. 814.
- Cakes and crackers. Kahn-Beck Company. No. 91,581; May 13; Gaz. vol. 190; p. 544.
- Cakes, biscuits, crackers, and candy. Johnson Biscuit Company. No. 90,025; Jan. 28; Gaz. vol. 186; p. 982.
- Cakes, crackers, biscuit, and bread. Jacksonville Cracker Works. No. 90,340; Feb. 18; Gaz. vol. 187; p. 825.
- Cakes, crackers, biscuit, and bread. Jacksonville Cracker Works. No. 90,442; Feb. 25; Gaz. vol. 187; p. 1112.
- Cakes, crackers, wafers, and biscuits. Bremner Bros. No. 92,040; June 17; Gaz. vol. 191; p. 825.
- Cakes, Filbert. E. Limper. No. 89,858; Jan. 14; Gaz. vol. 186; p. 553.
- Calcimine. The Muralo Company. No. 90,464; Feb. 25; Gaz. vol. 187; p. 1112.
- Calcimine. Lion Paint Works. No. 92,345; July 1; Gaz. vol. 192; p. 212.
- Calcined gypsum. Monarch Plaster Co. No. 92,442; July 8; Gaz. vol. 192; p. 512.
- Calcium, Casein. The Hoffmann-La Roche Chemical Works. No. 94,282; Nov. 25; Gaz. vol. 196; p. 1047.
- Calculating and adding machines. Grimme, Natalis & Co., Commanditgesellschaft auf Actien. No. 91,659; May 20; Gaz. vol. 190; p. 788.
- Calculating-machines. H. S. Berliner. No. 94,542; Dec. 16; Gaz. vol. 197; p. 777.
- Calendar and collection of mottoes. Barse & Hopkins. Nos. 91,154-8; Apr. 22; Gaz. vol. 189; p. 1025.
- Calendar and collection of mottoes. Barse and Hopkins. No. 93,626; Oct. 7; Gaz. vol. 195; p. 271.
- Calendar and collection of mottoes. Barse & Hopkins. Nos. 94,417-18; Dec. 9; Gaz. vol. 197; p. 527.
- Cameras. Chicago Ferrottype Co. Nos. 93,966-7, Oct. 28; Gaz. vol. 195; p. 1045.
- Cameras. National Camera Company. No. 94,661; Dec. 23; Gaz. vol. 197; p. 993.
- Can-openers. C. C. Truax & Company. No. 94,506; Dec. 9; Gaz. vol. 197; p. 530.
- Cans. The Manufacturers Can Co. No. 92,244; June 24; Gaz. vol. 191; p. 1063.
- Cans, Garbage and refuse. The Dyar Supply Company. No. 93,169; Aug. 26; Gaz. vol. 193; p. 1011.
- Canisters. Acorn Mfg. Co. No. 91,301; Apr. 29; Gaz. vol. 189; p. 1275.
- Canned and dried fruits and raisins. California Fruit Cannery Association. No. 91,167; Apr. 22; Gaz. vol. 189; p. 1025.
- Canned and dried fruits and raisins. The J. K. Armsby Co. No. 93,410; Sept. 16; Gaz. vol. 194; p. 739.
- Canned and dried fruits and raisins. The J. K. Armsby Company. No. 94,581; Dec. 23; Gaz. vol. 197; p. 991.
- Canned chilli tomatoes. E. C. Ortega. No. 90,237; Feb. 11; Gaz. vol. 187; p. 509.
- Canned corn. The Illinois Canning Company. No. 90,022; Jan. 28; Gaz. vol. 186; p. 982.
- Canned corn. The Illinois Canning Company. No. 91,489; May 6; Gaz. vol. 190; p. 260.
- Canned corn. The Illinois Canning Company. No. 92,799; July 29; Gaz. vol. 192; p. 1256.
- Canned crab-meat and sardines. Guiterman, Rosenfeld & Co. No. 90,013; Jan. 28; Gaz. vol. 186; p. 982.
- Canned fish. California Tunny Canning Co. No. 92,044; June 17; Gaz. vol. 191; p. 825.
- Canned fish. Barker, Harris & Kehrhaun. No. 93,228; Aug. 26; Gaz. vol. 193; p. 1013.
- Canned fish and vegetables, olives, and olive-oil. Stroh-meyer & Arpe Company. No. 90,065; Jan. 28; Gaz. vol. 186; p. 983.
- Canned fish, oysters, fruits, and vegetables. E. B. Mal-lory & Co. No. 89,862; Jan. 14; Gaz. vol. 186; p. 553.
- Canned foods and certain foods in bulk, Certain. On-alaska Pickle Canning Co. No. 92,112; June 17; Gaz. vol. 191; p. 827.
- Canned foods, Certain named. John Hoffmann & Sons Co. No. 89,845; Jan. 14; Gaz. vol. 186; p. 552.
- Canned foods, Certain named. The John Boyle Company. No. 90,784; Mar. 25; Gaz. vol. 188; p. 1047.
- Canned foods, Certain named. Nicholas Scharff & Sons Grocer Co. No. 91,131; Apr. 15; Gaz. vol. 189; p. 777.
- Canned fruits. Oceana Canning Company. No. 89,872; Jan. 14; Gaz. vol. 186; p. 553.
- Canned fruits. California Canneries Co. No. 92,318; July 1; Gaz. vol. 192; p. 211.
- Canned fruits. Griffith-Durney Co. No. 92,670; July 22; Gaz. vol. 192; p. 984.
- Canned fruits. The J. K. Armsby Co. No. 93,806; Oct. 21; Gaz. vol. 195; p. 811.
- Canned fruits and vegetables. G. C. Raviler. No. 90,054; Jan. 28; Gaz. vol. 186; p. 983.
- Canned fruits and vegetables. Bollinger-Babbage Com-pany. No. 91,553; May 13; Gaz. vol. 190; p. 543.
- Canned fruits and vegetables. Nalley Grocery Co. No. 92,105; June 17; Gaz. vol. 191; p. 827.
- Canned fruits and vegetables. John F. White Company. No. 92,752; July 22; Gaz. vol. 192; p. 987.
- Canned fruits and vegetables. John F. White Company. No. 93,316; Sept. 2; Gaz. vol. 194; p. 271.
- Canned fruits and vegetables. W. A. Godfrey. No. 93,844; Oct. 21; Gaz. vol. 195; p. 812.
- Canned fruits, figs, tomato catsup, and vegetables. The Coast Products Company. No. 94,271; Nov. 25; Gaz. vol. 196; p. 1047.
- Canned fruits, vegetables, and apple-butter. W. N. Clark Company. No. 90,169; Feb. 11; Gaz. vol. 187; p. 507.
- Canned fruits, vegetables, pork and beans, &c. Fargo Mer-cantile Company. No. 91,470; May 6; Gaz. vol. 190; p. 260.
- Canned goods. Cochran, Burns & Farnsworth Co. No. 92,188; June 24; Gaz. vol. 191; p. 1062.
- Canned goods, Certain. Hale-Halsell Grocery Co. No. 93,531; Sept. 23; Gaz. vol. 194; p. 447.
- Canned goods, coffee, and tomato catsup. Consolidated Grocery Company. No. 93,827; Oct. 21; Gaz. vol. 195; p. 812.
- Canned goods, spices, pepper sauce, &c. J. H. Newbauer & Co. No. 92,255; June 24; Gaz. vol. 191; p. 1064.
- Canned ham. P. Jörn. No. 93,860; Oct. 21; Gaz. vol. 195; p. 813.

Alphabetical list of trade-marks—Continued.

- Canned oysters. J. Langrall & Brother. No. 93,099; Aug. 19; Gaz. vol. 193; p. 750.
- Canned oysters, fruits, and vegetables. J. Langrall & Brother. No. 92,237; June 24; Gaz. vol. 191; p. 1063.
- Canned peaches, plums, apricots, pears, and cherries. Libby, McNeill & Libby. No. 94,008; Oct. 28; Gaz. vol. 195; p. 1046.
- Canned peas. Paxton & Gallagher Co. No. 90,049; Jan. 28; Gaz. vol. 186; p. 983.
- Canned peeled green chilli. Simon Levi Company. No. 91,223; Apr. 22; Gaz. vol. 189; p. 1027.
- Canned pork and beans in tomato sauce. C. C. McDonald. No. 93,737; Oct. 14; Gaz. vol. 195; p. 535.
- Canned salmon. Admiralty Trading Co. No. 89,789; Jan. 14; Gaz. vol. 186; p. 551.
- Canned salmon. J. G. Megler. No. 89,865; Jan. 14; Gaz. vol. 186; p. 553.
- Canned salmon. Tallant-Grant Packing Co. No. 89,890; Jan. 14; Gaz. vol. 186; p. 554.
- Canned salmon. E. Wiese. Nos. 90,073-7; Jan. 28; Gaz. vol. 186; p. 984.
- Canned salmon. Hoonah Packing Company. Nos. 90,206-11; Feb. 11; Gaz. vol. 187; p. 508.
- Canned salmon. Irving Packing Company. Nos. 90,338-9; Feb. 18; Gaz. vol. 187; p. 825.
- Canned salmon. G. T. Myers & Co. Nos. 90,363-4; Feb. 18; Gaz. vol. 187; p. 825.
- Canned salmon. Irving Packing Company. No. 90,440; Feb. 25; Gaz. vol. 187; p. 1112.
- Canned salmon. G. T. Myers & Co. No. 90,465; Feb. 25; Gaz. vol. 187; p. 1113.
- Canned salmon. Admiralty Trading Co. No. 90,495; Mar. 4; Gaz. vol. 188; p. 237.
- Canned salmon. The George & Barker Co. No. 90,527; Mar. 4; Gaz. vol. 188; p. 238.
- Canned salmon. Union Fishermens Co-operative Packing Co. No. 90,771; Mar. 18; Gaz. vol. 188; p. 806.
- Canned salmon. Irving Packing Company. No. 90,815; Mar. 25; Gaz. vol. 188; p. 1048.
- Canned salmon. Tallant-Grant Packing Co. No. 90,849; Mar. 25; Gaz. vol. 188; p. 1049.
- Canned salmon. Admiralty Trading Co. No. 90,944; Apr. 8; Gaz. vol. 189; p. 517.
- Canned salmon. Alaska-Portland Packers Association. Nos. 91,058-60; Apr. 15; Gaz. vol. 189; p. 775.
- Canned salmon. Warren Packing Company. No. 91,144; Apr. 15; Gaz. vol. 189; p. 777.
- Canned salmon. G. W. Sanborn & Son. Nos. 91,606-7; May 13; Gaz. vol. 190; p. 545.
- Canned salmon. Pacific Fisheries & Packing Company. No. 91,894; June 3; Gaz. vol. 191; p. 289.
- Canned salmon. G. W. Sanborn & Son. No. 91,902; June 3; Gaz. vol. 191; p. 289.
- Canned salmon. Sunny Point Packing Company. No. 92,141; June 17; Gaz. vol. 191; p. 828.
- Canned salmon. The George & Barker Co. No. 92,210; June 24; Gaz. vol. 191; p. 1062.
- Canned salmon. Columbia River Packers Association. No. 92,402; July 8; Gaz. vol. 192; p. 511.
- Canned salmon. Warren Packing Company. No. 92,606; July 15; Gaz. vol. 192; p. 740.
- Canned salmon. G. W. Sanborn & Son. No. 92,719; July 22; Gaz. vol. 192; p. 986.
- Canned salmon. Deep Sea Salmon Company. No. 92,756; July 29; Gaz. vol. 192; p. 1255.
- Canned salmon. Columbia River Packers Association. Nos. 93,077-8; Aug. 19; Gaz. vol. 193; p. 749.
- Canned salmon. George W. Sanborn & Son. No. 93,118; Aug. 19; Gaz. vol. 193; p. 750.
- Canned salmon. Fidalgo Island Packing Co. No. 93,435; Sept. 16; Gaz. vol. 194; p. 740.
- Canned salmon. Pillar Bay Packing Company. No. 93,460; Sept. 16; Gaz. vol. 194; p. 740.
- Canned salmon. G. W. Sanborn & Son. No. 93,468; Sept. 16; Gaz. vol. 194; p. 740.
- Canned salmon. Hoonah Packing Company. No. 93,854; Oct. 21; Gaz. vol. 195; p. 812.
- Canned salmon. Warren Packing Company. No. 94,136; Nov. 4; Gaz. vol. 196; p. 271.
- Canned salmon. Lindenberger Packing Co. No. 94,187; Nov. 11; Gaz. vol. 196; p. 522.
- Canned salmon. J. L. Smiley & Co. Nos. 94,677-8; Dec. 23; Gaz. vol. 197; p. 994.
- Canned sardines. Seacoast Canning Co. No. 90,060; Jan. 28; Gaz. vol. 186; p. 983.
- Canned sardines. S. Ellingsen. No. 90,311; Feb. 18; Gaz. vol. 187; p. 824.
- Canned sardines. M. Amieux & Cie. No. 90,774; Mar. 25; Gaz. vol. 188; p. 1047.
- Canned sardines. C. A. Enke. No. 90,877; Apr. 1; Gaz. vol. 189; p. 247.
- Canned sardines. Seacoast Canning Co. No. 90,928; Apr. 1; Gaz. vol. 189; p. 249.
- Canned sardines. William Underwood Company. No. 92,148; June 17; Gaz. vol. 191; p. 828.
- Canned sardines. Seacoast Canning Company. No. 94,208; Nov. 11; Gaz. vol. 196; p. 523.
- Canned sardines and tunny-fish. M. Amieux & Cie. No. 93,802; Oct. 21; Gaz. vol. 195; p. 811.
- Canned soups. The Franco-American Food Company. No. 90,634; Mar. 11; Gaz. vol. 188; p. 509.
- Canned sweet red peppers. Royal Packing Company. No. 92,125; June 17; Gaz. vol. 191; p. 827.
- Canned vegetables. J. H. Goesser. No. 90,011; Jan. 28; Gaz. vol. 186; p. 982.
- Canned vegetables. The Fuller Canneries Company. No. 90,320; Feb. 18; Gaz. vol. 187; p. 824.
- Canned vegetables. G. Johnson. No. 90,342; Feb. 18; Gaz. vol. 187; p. 825.
- Canned vegetables. The Wayland Canning Co. No. 90,492; Feb. 25; Gaz. vol. 187; p. 1113.
- Canned vegetables. Stetson & Ellison Co. No. 92,139; June 17; Gaz. vol. 191; p. 828.
- Canned vegetables. F. Herfort. No. 92,795; July 29; Gaz. vol. 192; p. 1256.
- Canned vegetables. C. M. Martz. No. 92,810; July 29; Gaz. vol. 192; p. 1256.
- Canned vegetables. French & Bean Company. No. 93,238; Aug. 26; Gaz. vol. 193; p. 1013.
- Canned vegetables. Kokomo Canning Company. No. 93,871; Oct. 21; Gaz. vol. 195; p. 813.
- Canned vegetables, pork and beans, and salmon. E. F. Brewster. No. 91,845; June 3; Gaz. vol. 191; p. 287.
- Candies. J. B. Trainor. No. 90,481; Feb. 25; Gaz. vol. 187; p. 1113.
- Candies. Collins-McCarthy Candy Co. No. 90,630; Mar. 11; Gaz. vol. 188; p. 509.
- Candies. Wallace & Co. No. 90,940; Apr. 1; Gaz. vol. 189; p. 249.
- Candies. Chickasaw Candy Company. No. 91,847; June 3; Gaz. vol. 191; p. 287.
- Candies. Cox Confectionery Company. No. 92,046; June 17; Gaz. vol. 191; p. 825.
- Candies. I. Cohen. No. 92,645; July 22; Gaz. vol. 192; p. 984.
- Candies. H. C. Michelson. No. 93,005; Aug. 12; Gaz. vol. 193; p. 505.
- Candies. A. W. Senz. No. 93,498; Sept. 16; Gaz. vol. 194; p. 741.
- Candies. Park & Tilford. No. 93,641; Oct. 7; Gaz. vol. 195; p. 271.
- Candies. B. Allegretti. No. 93,799; Oct. 21; Gaz. vol. 195; p. 811.
- Candies. Wallace & Co. No. 94,038; Oct. 28; Gaz. vol. 195; p. 1047.
- Candies. Ingersoll Candy Company. No. 94,285; Nov. 25; Gaz. vol. 196; p. 1047.
- Candies. L. H. Freund & Co. No. 94,627; Dec. 23; Gaz. vol. 197; p. 992.
- Candies. E. Greenfield's Sons. No. 94,630; Dec. 23; Gaz. vol. 197; p. 992.
- Candies and chocolates. Wallace & Co. No. 89,897; Jan. 14; Gaz. vol. 186; p. 554.
- Candies and chocolates. Wallace & Co. No. 91,051; Apr. 8; Gaz. vol. 189; p. 520.
- Candies, chocolates, and bonbons. P. Margarella. No. 91,587; May 13; Gaz. vol. 190; p. 544.
- Candies, cocoa, and chocolate. Powell's. No. 93,557; Sept. 23; Gaz. vol. 194; p. 948.
- Candy. The Coconut Specialty Co. No. 89,815; Jan. 14; Gaz. vol. 186; p. 551.
- Candy. Hudson's. No. 89,842; Jan. 14; Gaz. vol. 186; p. 552.
- Candy. Luttrell & Delevett. No. 89,859; Jan. 14; Gaz. vol. 186; p. 553.
- Candy. Quaker City Chocolate & Confectionery Company. No. 89,875; Jan. 14; Gaz. vol. 186; p. 553.
- Candy. Fabrik chemischer und pharmazeutischer Präparate Dr. Franz Stohr, Gesellschaft mit beschränkter Haftung. No. 90,006; Jan. 28; Gaz. vol. 186; p. 982.
- Candy. Hall & Ruckel. No. 90,015; Jan. 28; Gaz. vol. 186; p. 982.
- Candy. Novelty Candy Co. No. 90,045; Jan. 28; Gaz. vol. 186; p. 983.
- Candy. Hoeble & Johnson Company. No. 90,205; Feb. 11; Gaz. vol. 187; p. 508.
- Candy. Postum Cereal Co. No. 90,241; Feb. 11; Gaz. vol. 187; p. 509.
- Candy. The Owl Drug Company. No. 90,652; Mar. 11; Gaz. vol. 188; p. 510.
- Candy. E. Greenfield's Sons. No. 90,882; Apr. 1; Gaz. vol. 189; p. 247.
- Candy. Powell's. Nos. 91,028-9; Apr. 8; Gaz. vol. 189; p. 519.
- Candy. Autosales Gum and Chocolate Company. No. 91,062; Apr. 15; Gaz. vol. 189; p. 775.
- Candy. Cardinet Candy Co. No. 91,070; Apr. 15; Gaz. vol. 189; p. 775.
- Candy. Powells. No. 91,125; Apr. 15; Gaz. vol. 189; p. 777.
- Candy. Paul F. Beich Company. No. 91,453; May 6; Gaz. vol. 190; p. 259.
- Candy. Loose-Wiles Company. No. 91,675; May 20; Gaz. vol. 190; p. 788.
- Candy. Powell's. No. 91,896; June 3; Gaz. vol. 191; p. 289.
- Candy. Boldemann Chocolate Co. No. 92,037; June 17; Gaz. vol. 191; p. 825.

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- Candy. National Biscuit Company. No. 92,108; June 17; Gaz. vol. 191; p. 827.
- Candy. Johnson Biscuit Company. No. 92,224; June 24; Gaz. vol. 191; p. 1063.
- Candy. Schaeffler & Merle. No. 92,268; June 24; Gaz. vol. 191; p. 1064.
- Candy. W. I. Baker. No. 92,312; July 1; Gaz. vol. 192; p. 211.
- Candy. A. Mayer. No. 92,353; July 1; Gaz. vol. 192; p. 212.
- Candy. Powells. No. 92,361; July 1; Gaz. vol. 192; p. 212.
- Candy. F. H. Roberts Company. No. 92,368; July 1; Gaz. vol. 192; p. 212.
- Candy. The Edw. Malley Co. No. 92,437; July 8; Gaz. vol. 192; p. 512.
- Candy. Novelty Candy Company. No. 92,571; July 15; Gaz. vol. 192; p. 739.
- Candy. H. Heide. No. 92,794; July 29; Gaz. vol. 192; p. 1256.
- Candy. E. J. Harter. No. 92,979; Aug. 12; Gaz. vol. 193; p. 504.
- Candy. Kibbe Bros. Company. No. 92,994; Aug. 12; Gaz. vol. 193; p. 504.
- Candy. F. H. Poston. No. 93,024; Aug. 12; Gaz. vol. 193; p. 505.
- Candy. C. A. Crane. No. 93,080; Aug. 19; Gaz. vol. 193; p. 749.
- Candy. Dempsey Candy Company. No. 93,233; Aug. 26; Gaz. vol. 193; p. 1013.
- Candy. The Stutz Candy Company. No. 93,306; Sept. 2; Gaz. vol. 194; p. 270.
- Candy. G. Haas & Sons. No. 93,530; Sept. 23; Gaz. vol. 194; p. 947.
- Candy. Oliver-Finnie Co. No. 93,896; Oct. 21; Gaz. vol. 195; p. 814.
- Candy. Geo. H. Fritz & Sons. No. 93,982; Oct. 28; Gaz. vol. 195; p. 1045.
- Candy. Johnson Biscuit Co. No. 93,999; Oct. 28; Gaz. vol. 195; p. 1046.
- Candy. Schandain & Lind Co. No. 94,205; Nov. 11; Gaz. vol. 196; p. 522.
- Candy. Schandain & Lind Co. No. 94,325; Nov. 25; Gaz. vol. 196; p. 1049.
- Candy. The Frederick W. Lipps Company of Baltimore City. No. 94,386; Dec. 2; Gaz. vol. 197; p. 236.
- Candy. Pepsinated mint. H. C. Dunn. No. 91,081; Apr. 15; Gaz. vol. 189; p. 775.
- Candy. Sugar. Maatschappij tot Exploitatie van Rade-maker's Koninklijke Cacao Chocoladefabrieken. No. 89,860; Jan. 14; Gaz. vol. 186; p. 553.
- Candy wafers, lozenges, and tablets. National Wafer Company. No. 90,829; Mar. 25; Gaz. vol. 188; p. 1048.
- Cane-mills. Chattanooga Plow Co. No. 94,598; Dec. 23; Gaz. vol. 197; p. 992.
- Cantaloups. J. A. Hart. No. 90,327; Feb. 18; Gaz. vol. 187; p. 824.
- Capsicum, almond-meal, turmeric, &c. J. L. Hopkins & Co. No. 94,378; Dec. 2; Gaz. vol. 197; p. 236.
- Capsules, Cathartic. Smith, Kline & French Co. No. 92,730; July 22; Gaz. vol. 192; p. 986.
- Capsules, Chill and malarial. G. B. Bury. No. 91,316; Apr. 29; Gaz. vol. 189; p. 1275.
- Capsules for diseases of the urinary organs, &c. E. J. Moore Sons. No. 90,724; Mar. 18; Gaz. vol. 188; p. 804.
- Capsules for diseases of the urinary organs and bladder. E. J. Moore Sons. No. 91,006; Apr. 8; Gaz. vol. 189; p. 519.
- Car-door metal castings. F. Jager. No. 92,990; Aug. 12; Gaz. vol. 193; p. 504.
- Car-movers. W. McLeish. No. 92,103; June 17; Gaz. vol. 191; p. 827.
- Car-wheels. Buffalo Car Wheel Fdy. Co. No. 94,055; Nov. 4; Gaz. vol. 196; p. 269.
- Car wheels. Motor-. The Dunlop Pneumatic Tyre Co. No. 92,966; Aug. 12; Gaz. vol. 193; p. 504.
- Cars and automobiles, Motor-. The Pierce-Arrow Motor Car Co. No. 92,710; July 22; Gaz. vol. 192; p. 985.
- Cars, Motor-. The Motor Car Mfg. Co. No. 91,107; Apr. 15; Gaz. vol. 189; p. 776.
- Caramels and kisses. American Caramel Co. No. 93,800; Oct. 21; Gaz. vol. 195; p. 811.
- Caramels, Milk food-. Ungemach A. G. Elsassische Conserven-Fabrik und Import Gesellschaft. No. 93,051; Aug. 12; Gaz. vol. 193; p. 506.
- Carbon-cleaner. J. R. Dulany. No. 91,177; Apr. 22; Gaz. vol. 189; p. 1026.
- Carbon-gas black and lampblack. J. Wilkes Co. No. 94,569; Dec. 16; Gaz. vol. 197; p. 778.
- Carbon-paper and type-writer ribbons. S. S. Stafford, Inc. No. 93,303; Sept. 2; Gaz. vol. 194; p. 270.
- Carbon-remover, engine-cleanser, and solvent. U. S. Industrial Alcohol Co. No. 94,228; Nov. 11; Gaz. vol. 196; p. 523.
- Carbonizing compounds, disinfectants, &c. E. F. Houghton & Company. No. 93,995; Oct. 28; Gaz. vol. 195; p. 1046.
- Carbureters. Schoen-Jackson Company. No. 89,776; Jan. 7; Gaz. vol. 186; p. 286.
- Carbureters. Brown & Barlow. No. 90,289; Feb. 18; Gaz. vol. 187; p. 823.
- Carbureters for explosion-engines. Lyra Vergaserfabrik Dietz und Compagnie. No. 94,461; Dec. 9; Gaz. vol. 197; p. 528.
- Cards, Listing-. Realty Stationary and Listing Card Company. No. 91,031; Apr. 8; Gaz. vol. 189; p. 519.
- Cards, Playing-. The United States Playing Card Co. No. 91,399; Apr. 29; Gaz. vol. 189; p. 1278.
- Cards, Playing-. The G. W. Armstrong Dining Room & News Company. No. 91,750; May 27; Gaz. vol. 190; p. 1023.
- Cards, Playing-. E. Pickel. No. 94,321; Nov. 25; Gaz. vol. 196; p. 1048.
- Cards, Playing-. Russell Playing Card Co. No. 94,671; Dec. 23; Gaz. vol. 197; p. 994.
- Carpet-cleaner. S. N. Armstrong. No. 91,152; Apr. 22; Gaz. vol. 189; p. 1025.
- Carpet-cleaning machines, Portable. Bissell Carpet Sweeper Company. No. 90,090; Feb. 4; Gaz. vol. 187; p. 227.
- Carpet-sweepers. Bissell Carpet Sweeper Company. No. 89,908; Jan. 21; Gaz. vol. 186; p. 793.
- Carpets. Cochrane Manufacturing Co. Nos. 94,063-4; Nov. 4; Gaz. vol. 196; p. 269.
- Carriages, wagons, and auto-bodies. J. M. Selzer Carriage & Business Wagon Mfg. Co. No. 93,508; Sept. 16; Gaz. vol. 194; p. 742.
- Cartons, Metal and paper. Single Service Package Corporation of America. No. 93,385; Sept. 9; Gaz. vol. 194; p. 547.
- Cartridges, cartridge-shells, caps, &c. Remington Ammunition Co. No. 91,602; May 13; Gaz. vol. 190; p. 544.
- Case-hardening material. E. M. Griffiths. No. 90,986; Apr. 8; Gaz. vol. 189; p. 518.
- Casket-trimmings. The Crane & Breed Manufacturing Co. No. 90,098; Feb. 4; Gaz. vol. 187; p. 227.
- Casket upholstery. New York & Brooklyn Casket Co. No. 91,234; Apr. 22; Gaz. vol. 189; p. 1027.
- Casks and barrels. The Greif Bros. Cooperage Co. Nos. 91,572-4; May 13; Gaz. vol. 190; p. 544.
- Casters. The M. B. Schenck Company. No. 90,383; Feb. 18; Gaz. vol. 187; p. 826.
- Casters. The M. B. Schenck Company. No. 90,585; Mar. 4; Gaz. vol. 188; p. 239.
- Casting-investment compound. G. W. Decker. No. 90,421; Feb. 25; Gaz. vol. 187; p. 1111.
- Castings and forgings. Harry Vissering & Company. No. 91,622; May 13; Gaz. vol. 190; p. 545.
- Castor-oil in the form of a confection. H. B. Voorhees. No. 93,482; Sept. 16; Gaz. vol. 194; p. 741.
- Catsups. T. Tamaki. No. 94,333; Nov. 25; Gaz. vol. 196; p. 1049.
- Ceilings, Steel. The Canton Steel Ceiling Co. No. 94,353; Dec. 2; Gaz. vol. 197; p. 235.
- Cells, brushes for dynamo-electric machines, &c., Dry. National Carbon Company. No. 94,479; Dec. 9; Gaz. vol. 197; p. 529.
- Cells, Dry. National Carbon Company. No. 90,565; Mar. 4; Gaz. vol. 188; p. 239.
- Cells, Dry. National Carbon Company. No. 91,118; Apr. 15; Gaz. vol. 189; p. 776.
- Cells, Dry. National Carbon Company. No. 94,480; Dec. 9; Gaz. vol. 197; p. 529.
- Cellulose sheets. Blanchisserie et Teinturerie de Thaon. No. 92,036; June 17; Gaz. vol. 191; p. 825.
- Cement. Major Manufacturing Company. No. 90,820; Mar. 25; Gaz. vol. 188; p. 1048.
- Cement. The Plastico Non-Staining Cement Company. No. 91,998; June 10; Gaz. vol. 191; p. 583.
- Cement, Adhesive. E. F. Beach. No. 90,621; Mar. 11; Gaz. vol. 188; p. 509.
- Cement, Adhesive. Hazen Brown Company. No. 90,638; Mar. 11; Gaz. vol. 188; p. 509.
- Cement, Adhesive. C. Black. No. 91,313; Apr. 29; Gaz. vol. 189; p. 1275.
- Cement, Portland. Portland-Cement-Fabrik "Stern" Toepffer Grawitz & Co. Gesellschaft mit beschränkter Haftung. No. 90,736; Mar. 18; Gaz. vol. 188; p. 805.
- Cement, Portland. Southwestern States Portland Cement Company. No. 92,278; June 24; Gaz. vol. 191; p. 1064.
- Cement, Portland. D. Meyer & Cia. No. 92,440; July 8; Gaz. vol. 192; p. 512.
- Cement, Portland. Newaygo Portland Cement Company. No. 94,251; Nov. 18; Gaz. vol. 196; p. 801.
- Cement, Portland and hydraulic. Dolarway Paving Co. No. 92,409; July 8; Gaz. vol. 192; p. 511.
- Cements, Adhesive. Filmo Chemical Company. No. 91,084; Apr. 15; Gaz. vol. 189; p. 775.
- Centrifugal extractors. The Braun Corporation. No. 92,316; July 1; Gaz. vol. 192; p. 211.
- Ceresin and paraffin. Ernst Schliemann's Export-Ceresin-Fabrik, Gesellschaft mit beschränkter Haftung. No. 90,474; Feb. 25; Gaz. vol. 187; p. 1113.
- Ceresin and paraffin. Ernst Schliemann's Export Ceresin Fabrik, Gesellschaft mit beschränkter Haftung. No. 91,256; Apr. 22; Gaz. vol. 189; p. 1028.
- Chains, guide-bars, &c., Mortise-. Hans Renold, Limited. No. 92,366; July 1; Gaz. vol. 192; p. 212.

Alphabetical list of trade-marks—Continued.

- Chains, lockets, and pins, Metal. The D. F. Briggs Co. No. 93,590; Sept. 30; Gaz. vol. 194; p. 1137.
- Chains, Metal. Gibson's Limited. No. 93,711; Oct. 14; Gaz. vol. 195; p. 534.
- Chains of precious metal. C. Bryant. No. 94,543; Dec. 16; Gaz. vol. 197; p. 777.
- Chains, Wire chain and coil, swing, hammock, &c. The Cleveland Galvanizing Works Co. No. 92,792; July 29; Gaz. vol. 192; p. 1256.
- Chains, Wire, swing, hammock, and pump. The Cleveland Galvanizing Works Co. Nos. 91,849-50; June 3; Gaz. vol. 191; p. 287.
- Chair-pads. G. E. Fox. No. 92,206; June 24; Gaz. vol. 191; p. 1062.
- Chair-seats. "Luterma" G. m. b. H. No. 93,367; Sept. 9; Gaz. vol. 194; p. 546.
- Chairs. R. C. Erskine. No. 91,563; May 13; Gaz. vol. 190; p. 543.
- Chairs. The Standard Manufacturing Company. No. 93,389; Sept. 9; Gaz. vol. 194; p. 547.
- Chairs and stools, Type-writer and desk. C. A. Cook Co. No. 94,605; Dec. 23; Gaz. vol. 197; p. 992.
- Champagne and sparkling wines. Georges et Paul Couvreur. No. 90,682; Mar. 18; Gaz. vol. 188; p. 803.
- Champagne and sparkling wines. Lse. Pommery, fils & Cie. Nos. 92,458-63; July 8; Gaz. vol. 192; p. 513.
- Champagne and sparkling wines. Lse. Pommery, fils & Cie. Nos. 92,908-10; Aug. 5; Gaz. vol. 193; p. 216.
- Chaplets. The Hill & Griffith Co. No. 90,888; Apr. 1; Gaz. vol. 189; p. 247.
- Chart, Corset-. C. B. Randall. No. 92,826; July 29; Gaz. vol. 192; p. 1257.
- Charts. Providence Lithograph Co. No. 92,466; July 8; Gaz. vol. 192; p. 513.
- Check-pads, coupon meal-books, car-transfers, &c. National Checking Company. No. 91,012; Apr. 8; Gaz. vol. 189; p. 519.
- Check-protectors. G. W. Todd & Company. No. 92,147; June 17; Gaz. vol. 191; p. 828.
- Cheese. P. E. Sharpless Company. No. 89,880; Jan. 14; Gaz. vol. 186; p. 553.
- Cheese. The Wisconsin Butter and Cheese Co. No. 90,613; Mar. 4; Gaz. vol. 188; p. 240.
- Cheese. W. E. Harvey. No. 93,991; Oct. 28; Gaz. vol. 195; p. 1046.
- Cheese and butter. Naaml. Venn. Full Cream Kaasbond. No. 90,365; Feb. 18; Gaz. vol. 187; p. 825.
- Cheese, Domestic Limburger. Roethlisberger & Co. No. 90,057; Jan. 28; Gaz. vol. 186; p. 983.
- Chemical admixture, Certain compressed. Six Little Yankees Co. No. 91,707; May 20; Gaz. vol. 190; p. 789.
- Chemical and medicinal compounds, Certain named. The Drug Products Co. No. 94,070; Nov. 4; Gaz. vol. 196; p. 269.
- Chemical and pharmaceutical preparations, Certain. H. S. Wellcome. No. 91,280; Apr. 22; Gaz. vol. 189; p. 1029.
- Chemical and pharmaceutical preparations, Certain named. L. T. Piver & Cie. No. 91,514; May 6; Gaz. vol. 190; p. 261.
- Chemical compound. Morrill, Lea & Van Wart. No. 90,128; Feb. 4; Gaz. vol. 187; p. 228.
- Chemical compound. The American "Radio Thor X" Company. No. 93,407; Sept. 16; Gaz. vol. 194; p. 739.
- Chemical compound for certain named purposes. Allen Chemical Co. No. 92,029; June 17; Gaz. vol. 191; p. 825.
- Chemical compound for use in cooking. W. H. Johnson. No. 91,773; May 27; Gaz. vol. 190; p. 1024.
- Chemical or biological reagent. Farbwerke vorm. Meister Lucius & Brüning. No. 91,764; May 27; Gaz. vol. 190; p. 1024.
- Chemical preparation, Certain. Claudius Ash Sons and Company. No. 92,936; Aug. 12; Gaz. vol. 193; p. 503.
- Chemical preparation, Certain. Hutchinson Scott Company. No. 93,444; Sept. 16; Gaz. vol. 194; p. 740.
- Chemical preparation for the preservation of certain named materials. Aktieselskabet Kymeia. No. 90,496; Mar. 4; Gaz. vol. 188; p. 237.
- Chemical preparations, Certain. N. Warren. No. 92,021; June 10; Gaz. vol. 191; p. 583.
- Chemical preparations, Certain named. Zauder Bros. No. 91,539; May 6; Gaz. vol. 190; p. 262.
- Chemical preparations for laundry purposes, Certain. Direct Importing Company. No. 92,195; June 24; Gaz. vol. 191; p. 1062.
- Chemical substances prepared for use in certain named purposes. Dr. Bruno Beckmann Chemische Fabrik Gesellschaft mit beschränkter Haftung. No. 94,591; Dec. 23; Gaz. vol. 197; p. 991.
- Chemical used as a dyeing assistant. The American Dyeing Company. No. 93,513; Sept. 23; Gaz. vol. 194; p. 947.
- Chemicals and pharmaceutical preparations, Certain. Prichard & Constance (Wholesale) Ltd. No. 92,123; June 17; Gaz. vol. 191; p. 827.
- Chemicals and pharmaceutical preparations, Certain. Japstick Company. No. 93,360; Sept. 9; Gaz. vol. 194; p. 546.
- Chemicals, medicines, and pharmaceutical preparations, Certain. G. U. S. Allgoever. No. 92,159; June 24; Gaz. vol. 191; p. 1061.
- Chemicals, medicines, and pharmaceutical preparations, Certain. J. C. Ayer Company. Nos. 92,165-6; June 24; Gaz. vol. 191; p. 1061.
- Chemicals, medicines, and pharmaceutical preparations, Certain. J. C. Ayer Company. No. 92,619; July 22; Gaz. vol. 192; p. 983.
- Chemicals, medicines, and pharmaceutical preparations, Certain. S. A. Grau. No. 92,668; July 22; Gaz. vol. 192; p. 984.
- Chemicals, medicines, and pharmaceutical preparations, Certain. The Sheppard Drug Company. No. 92,729; July 22; Gaz. vol. 192; p. 986.
- Chemicals, medicines, and pharmaceutical preparations, Certain. Henry Thayer & Company. No. 92,740; July 22; Gaz. vol. 192; p. 986.
- Chemicals, medicines, and pharmaceutical preparations, Certain. F. F. Friedmann. No. 92,768; July 29; Gaz. vol. 192; p. 1255.
- Chemicals, medicines, and pharmaceutical preparations, Certain. C. Partos. No. 92,824; July 29; Gaz. vol. 192; p. 1257.
- Chemicals, medicines, and pharmaceutical preparations, Certain. T. Teichgraber. No. 93,220; Aug. 26; Gaz. vol. 193; p. 1013.
- Chemicals, medicines, and pharmaceutical preparations, Certain. Independent Chemical Company. No. 93,357; Sept. 9; Gaz. vol. 194; p. 546.
- Chemicals, medicines, and pharmaceutical preparations, Certain named. Spokane Valley Orchard & Land Co. No. 92,592; July 15; Gaz. vol. 192; p. 740.
- Chicle substitute. United States Chicle Refining Company. No. 93,939; Oct. 21; Gaz. vol. 195; p. 815.
- Chilli, Peeled green. Pioneer Green Chile Packing Co. No. 92,118; June 17; Gaz. vol. 191; p. 827.
- Chinaware. C. L. Dwenger. No. 92,540; July 15; Gaz. vol. 192; p. 738.
- Chocolate. H. Maillard. No. 90,032; Jan. 28; Gaz. vol. 186; p. 982.
- Chocolate. J. S. Fry & Sons. No. 90,526; Mar. 4; Gaz. vol. 188; p. 238.
- Chocolate. Pennsylvania Chocolate Company. No. 90,572; Mar. 4; Gaz. vol. 188; p. 239.
- Chocolate and candy, Sweetened. Stollwerck Brothers. Nos. 89,888-9; Jan. 14; Gaz. vol. 186; p. 554.
- Chocolate and candy, Sweetened. D. D. Long. No. 93,494; Sept. 16; Gaz. vol. 194; p. 741.
- Chocolate and cocoa. Massachusetts Chocolate Company. No. 90,720; Mar. 18; Gaz. vol. 188; p. 804.
- Chocolate and cocoa. J. S. Fry and Sons. No. 90,982; Apr. 3; Gaz. vol. 189; p. 518.
- Chocolate and olive-oil. San Antonio Drug Co. No. 93,911; Oct. 21; Gaz. vol. 195; p. 814.
- Chocolate creams. C. S. Ball. No. 93,957; Oct. 28; Gaz. vol. 195; p. 1045.
- Chocolate drink. G. E. Hazard. No. 90,202; Feb. 11; Gaz. vol. 187; p. 508.
- Chocolate drink, Dietetic. Stollwerck Gebrüder Aktiengesellschaft. No. 90,280; Feb. 18; Gaz. vol. 187; p. 823.
- Chocolate-flavored filling. W. R. Cathcart. No. 94,163; Nov. 11; Gaz. vol. 196; p. 521.
- Chocolate, Milk-. Suchard, S. A. No. 94,221; Nov. 11; Gaz. vol. 196; p. 523.
- Chocolate, Sweet. Runkel Brothers. No. 92,265; June 24; Gaz. vol. 191; p. 1064.
- Chocolates. Borden's Condensed Milk Co. Nos. 90,625-7; Mar. 11; Gaz. vol. 188; p. 509.
- Chocolates. Westmoreland Candy Company. No. 94,041; Oct. 28; Gaz. vol. 195; p. 1047.
- Cholagogue. The Marcy Company. No. 92,088; June 17; Gaz. vol. 191; p. 826.
- Chromos, reliefs, and pictorial post-cards, &c. Albrecht & Meister Aktiengesellschaft. No. 94,045; Nov. 4; Gaz. vol. 196; p. 269.
- Cider. J. Cima y Garcia. No. 94,522; Dec. 9; Gaz. vol. 197; p. 530.
- Cider, Alcoholic. The Schuster Company. No. 92,472; July 8; Gaz. vol. 192; p. 513.
- Cigar-lighters. Berndorf Metal Works Arthur Krupp. No. 91,162; Apr. 22; Gaz. vol. 189; p. 1025.
- Cigar-lighters. H. N. Goldsmith. No. 91,570; May 13; Gaz. vol. 190; p. 543.
- Cigar-lighters. Berndorf Metal Works Arthur Krupp. No. 91,840; June 3; Gaz. vol. 191; p. 287.
- Cigars. Y. Pendas & Alvarez. No. 90,239; Feb. 11; Gaz. vol. 187; p. 509.
- Cigars. Niles & Moser Cigar Co. No. 90,567; Mar. 4; Gaz. vol. 188; p. 239.
- Cigars. Schmidt Lithograph Company. No. 90,588; Mar. 4; Gaz. vol. 188; p. 240.
- Cigars. Y. Pendas & Alvarez. No. 90,734; Mar. 18; Gaz. vol. 188; p. 805.
- Cigars. J. Urfer. No. 90,764; Mar. 18; Gaz. vol. 188; p. 805.
- Cigars. Kraus & Co. No. 91,219; Apr. 22; Gaz. vol. 189; p. 1027.

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- Cigars. Valloft and Dreux Co. No. 91,275; Apr. 22; Gaz. vol. 189; p. 1028.
- Cigars. G. W. Van Slyke & Horton. No. 91,276; Apr. 22; Gaz. vol. 189; p. 1028.
- Cigars. Hemmeter Cigar Company. No. 91,484; May 6; Gaz. vol. 190; p. 260.
- Cigars. C. Upmann. No. 91,621; May 13; Gaz. vol. 190; p. 545.
- Cigars. Sanchez & Haya Co. No. 92,128; June 17; Gaz. vol. 191; p. 828.
- Cigars. San Martin & Leon Co. No. 92,131; June 17; Gaz. vol. 191; p. 828.
- Cigars. Sanchez & Haya Co. No. 92,370; July 1; Gaz. vol. 192; p. 212.
- Cigars. Jaynes Drug Company. No. 92,677; July 22; Gaz. vol. 192; p. 985.
- Cigars. T. Keller Co. No. 92,681; July 22; Gaz. vol. 192; p. 985.
- Cigars. The Juan F. Portuondo Cigar Manufacturing Co. No. 92,714; July 22; Gaz. vol. 192; p. 986.
- Cigars. Garcia & Vega. No. 92,886; Aug. 5; Gaz. vol. 193; p. 215.
- Cigars. Havana Cigar & Tobacco Factories. No. 92,892; Aug. 5; Gaz. vol. 193; p. 216.
- Cigars. F. Mueller. No. 92,903; Aug. 5; Gaz. vol. 193; p. 216.
- Cigars. G. W. Van Slyke & Horton. No. 92,924; Aug. 5; Gaz. vol. 193; p. 216.
- Cigars. Frings Bros. Co. No. 93,270; Sept. 2; Gaz. vol. 194; p. 269.
- Cigars. Walters & Co. No. 93,313; Sept. 2; Gaz. vol. 194; p. 270.
- Cigars. Consolidated Grocery Company. No. 93,522; Sept. 23; Gaz. vol. 194; p. 947.
- Cigars. Pullara & Lazzara. No. 93,558; Sept. 23; Gaz. vol. 194; p. 948.
- Cigars. Jaynes Drug Company. Nos. 93,727-8; Oct. 14; Gaz. vol. 195; p. 535.
- Cigars. W. Schneider Wholesale Wine & Liquor Co. No. 94,118; Nov. 4; Gaz. vol. 196; p. 271.
- Cigars. Standard Cigar Company. No. 94,496; Dec. 9; Gaz. vol. 197; p. 529.
- Cigars. W. H. Meehan & Co. No. 94,739; Dec. 30; Gaz. vol. 197; p. 1288.
- Cigars and cigarettes. El Draco Cigar M'fg Company. No. 91,469; May 6; Gaz. vol. 190; p. 260.
- Cigars and cigarettes. Maria Cristina Compañia Manufacturera de Tabacos y Cigarrillos, Ld. Nos. 91,852-3; June 3; Gaz. vol. 191; p. 287.
- Cigars and cigarettes. Maria Cristina Compañia Manufacturera de Tabacos y Cigarrillos. Nos. 92,089-91; June 17; Gaz. vol. 191; p. 826.
- Cigars and cigarettes. The Chemists' Club. No. 92,398; July 8; Gaz. vol. 192; p. 511.
- Cigars and smoking-tobacco. F. J. O'Hara. No. 91,238; Apr. 22; Gaz. vol. 189; p. 1027.
- Cigars and stogies. The Highland Cigar Company. No. 93,721; Oct. 14; Gaz. vol. 195; p. 535.
- Cigars and stogies. Ward-Young Mfg. Co. No. 94,777; Dec. 30; Gaz. vol. 197; p. 1289.
- Cigars, cheroots, and cigarettes. The Luxfer Cigar Company. No. 90,031; Jan. 28; Gaz. vol. 186; p. 982.
- Cigars, cheroots, and cigarettes. Cayey-Caguas Tobacco Company. No. 91,072; Apr. 15; Gaz. vol. 189; p. 775.
- Cigars, cheroots, and cigarettes. Cayey-Caguas Tobacco Company. No. 92,637; July 22; Gaz. vol. 192; p. 983.
- Cigars, cigarettes, and tobacco. Bobrow Bros. No. 91,165; Apr. 22; Gaz. vol. 189; p. 1025.
- Cigars, cigarettes, and tobacco. Waldorf-Astoria Segar Company. No. 91,531; May 6; Gaz. vol. 190; p. 261.
- Cigars, cigarettes, and tobacco. Bobrow Bros. No. 92,393; July 8; Gaz. vol. 192; p. 511.
- Cigars, cigarettes, and tobacco. G. F. Davenport. No. 92,960; Aug. 12; Gaz. vol. 193; p. 504.
- Cigars, cigarettes, and tobacco. La Minerva Cigar Factory. No. 93,604; Sept. 30; Gaz. vol. 194; p. 1137.
- Cigars, cigarettes, and tobacco. C. C. Symonett. No. 94,772; Dec. 30; Gaz. vol. 197; p. 1289.
- Cigarette-paper. J. Schnabl & Co. No. 90,747; Mar. 18; Gaz. vol. 188; p. 805.
- Cigarette-paper. William Demuth & Company. No. 93,703; Oct. 14; Gaz. vol. 195; p. 534.
- Cigarette-papers. Societe Anonyme des Anciens Etablissements Braunstein Freres. No. 92,275; June 24; Gaz. vol. 191; p. 1064.
- Cigarette-papers. Societe Anonyme Des Anciens Etablissements Braunstein Freres. No. 93,509; Sept. 16; Gaz. vol. 194; p. 742.
- Cigarette-papers. Societe Anonyme Des Anciens Etablissements Braunstein Freres. Nos. 94,680-2; Dec. 23; Gaz. vol. 197; p. 994.
- Cigarettes. A. Constantin. No. 90,513; Mar. 4; Gaz. vol. 188; p. 237.
- Cigarettes. M. Melachrino & Co. No. 91,589; May 13; Gaz. vol. 190; p. 544.
- Cigarettes. M. Melachrino & Co. No. 91,678; May 20; Gaz. vol. 190; p. 788.
- Cigarettes. Poulides Bros. No. 91,691; May 20; Gaz. vol. 190; p. 789.
- Cigarettes. Stephano Brothers. No. 92,283; June 24; Gaz. vol. 191; p. 1064.
- Cigarettes. B. Muratti, Sons & Co. Nos. 92,701-2; July 22; Gaz. vol. 192; p. 985.
- Cigarettes. G. K. Walter. No. 92,926; Aug. 5; Gaz. vol. 193; p. 217.
- Cigarettes. Republic of France. No. 93,171; Aug. 26; Gaz. vol. 193; p. 1011.
- Cigarettes. The Tabard Cigarette and Tobacco Company. No. 93,219; Aug. 26; Gaz. vol. 193; p. 1013.
- Cigarettes. The Tabard Cigarette and Tobacco Company. No. 93,499; Sept. 16; Gaz. vol. 194; p. 741.
- Cigarettes. Blue Peter Cigarette Co. No. 94,160; Nov. 11; Gaz. vol. 196; p. 521.
- Cigarettes. Messudiah Turkish Tobacco Company. No. 94,467; Dec. 9; Gaz. vol. 197; p. 528.
- Cigarettes. C. A. D. O. Co. No. 94,713; Dec. 30; Gaz. vol. 197; p. 1287.
- Cigarettes and pipe-tobacco. M. Koppelman. No. 92,084; June 17; Gaz. vol. 191; p. 826.
- Circuits, Choking devices for alternating-current. Dean Auto Devices Company. No. 91,465; May 6; Gaz. vol. 190; p. 259.
- Citherns or zithers. The Phonoharp Company. No. 91,794; May 27; Gaz. vol. 190; p. 1024.
- Clarets and Bordeaux wines. Syndicat des Grands Crus classés du Médoc. No. 94,127; Nov. 4; Gaz. vol. 196; p. 271.
- Clasps, Metal. W. T. James. No. 91,579; May 13; Gaz. vol. 190; p. 544.
- Cleaner and cleanser for household use. The Cudahy Packing Company. No. 92,322; July 1; Gaz. vol. 192; p. 211.
- Cleaner for canvas and duck. Eclipse Cement and Blacking Company. No. 90,309; Feb. 18; Gaz. vol. 187; p. 824.
- Cleaner for certain household goods, &c. Lightning Rug-Newer Co. No. 94,093; Nov. 4; Gaz. vol. 196; p. 270.
- Cleaners, Vacuum-. Pneuvac Company. No. 89,873; Jan. 14; Gaz. vol. 186; p. 553.
- Cleaners, Vacuum-. O. S. Kendall & Son. No. 90,715; Mar. 18; Gaz. vol. 188; p. 804.
- Cleaners, Vacuum-. The G. M. Parks Co. No. 90,732; Mar. 18; Gaz. vol. 188; p. 805.
- Cleaners, Vacuum-. D. Ossipoff. No. 93,200; Aug. 26; Gaz. vol. 193; p. 1012.
- Cleaners, Vacuum-. L. J. Kucke. No. 93,364; Sept. 9; Gaz. vol. 194; p. 546.
- Cleaning and polishing compound. H. C. Scott. No. 91,258; Apr. 22; Gaz. vol. 189; p. 1028.
- Cleaning and polishing liquids for metallic articles. C. B. Spies. No. 92,916; Aug. 5; Gaz. vol. 193; p. 216.
- Cleaning certain named articles and certain polishes. Preparation for. Blyth & Platt. No. 94,420; Dec. 9; Gaz. vol. 197; p. 527.
- Cleaning compound. Silica Products Company. No. 93,210; Aug. 26; Gaz. vol. 193; p. 1013.
- Cleaning compound. C. D. Williams. No. 93,947; Oct. 21; Gaz. vol. 195; p. 815.
- Cleaning compound, Certain named. Cammeyer. No. 89,986; Jan. 28; Gaz. vol. 186; p. 981.
- Cleaning compound for certain named surfaces. H. Harris. No. 91,207; Apr. 22; Gaz. vol. 189; p. 1026.
- Cleaning compound for cylinders of internal-combustion engines. Carbon Cleaning Compound Co. No. 94,354; Dec. 2; Gaz. vol. 197; p. 235.
- Cleaning compounds. Dobbins Soap Manufacturing Company. No. 92,408; July 8; Gaz. vol. 192; p. 511.
- Cleaning compounds for canvas, buckskin, &c. Pohrer Mfg. Co. No. 89,874; Jan. 14; Gaz. vol. 186; p. 553.
- Cleaning fluids, Clothing-. Grosselli Manufacturing Company. No. 90,533; Mar. 4; Gaz. vol. 188; p. 238.
- Cleaning liquid for white kid, buckskin, calfskin, &c. A. A. Maillett Company. No. 90,033; Jan. 28; Gaz. vol. 186; p. 982.
- Cleaning material for wood, metal, &c. United Supply Company. No. 93,501; Sept. 16; Gaz. vol. 194; p. 741.
- Cleaning painted or varnished surfaces, marble, glass, &c. Powder for. H. W. Lamb. No. 94,732; Dec. 30; Gaz. vol. 197; p. 1287.
- Cleaning-powder. E. W. Bennett & Co. No. 89,981; Jan. 28; Gaz. vol. 186; p. 981.
- Cleaning powder, Dry-. Zilene Chemical Company. No. 90,617; Mar. 4; Gaz. vol. 188; p. 240.
- Cleaning preparation, Liquid. G. B. Updegrove. No. 90,935; Apr. 1; Gaz. vol. 189; p. 249.
- Cleaning preparations, Detergent. Jap Amonia Co. No. 89,851; Jan. 14; Gaz. vol. 186; p. 553.
- Cleanser compound and metal-polish. C. J. Stevenot. No. 94,502; Dec. 9; Gaz. vol. 197; p. 530.
- Cleanser for wood, metal, and enameled surfaces. Buzzell Manuf. Co. No. 90,509; Mar. 4; Gaz. vol. 188; p. 237.
- Cleansing fluid. J. E. L. Dunn. No. 94,432; Dec. 9; Gaz. vol. 197; p. 527.
- Cleansing preparation. Austin Soap Works. No. 91,935; June 10; Gaz. vol. 191; p. 581.
- Clocks. The New Haven Clock Co. No. 90,366; Feb. 18; Gaz. vol. 187; p. 825.
- Clocks. The Ansonia Clock Company. No. 91,832; June 3; Gaz. vol. 191; p. 287.

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- Clocks. The Ansonia Clock Company. No. 93,409; Sept. 16; Gaz. vol. 194; p. 739.
- Clocks. Yankee Wizard Clock Company. No. 93,790; Oct. 14; Gaz. vol. 195; p. 537.
- Clocks and parts thereof. Hamburg-Amerikanische Uhrenfabrik. No. 92,551; July 15; Gaz. vol. 192; p. 738.
- Clocks and watches. The Western Clock Manufacturing Co. No. 90,071; Jan. 28; Gaz. vol. 186; p. 984.
- Clocks and watches. Western Clock Co. No. 91,054; Apr. 8; Gaz. vol. 189; p. 520.
- Clocks and watches. Western Clock Co. No. 91,282; Apr. 22; Gaz. vol. 189; p. 1029.
- Clocks and watches. Western Clock Co. Nos. 93,621-2; Sept. 30; Gaz. vol. 194; p. 1138.
- Closet combination. A. Weiskittel & Son Company. No. 92,379; July 1; Gaz. vol. 192; p. 213.
- Closet tanks and seats. J. M. Teahen. No. 89,778; Jan. 7; Gaz. vol. 186; p. 286.
- Cloth, Waterproof. United Silk Waterproofing Company. No. 92,482; July 8; Gaz. vol. 192; p. 514.
- Clothes-line reels. W. M. Palmer. No. 91,597; May 13; Gaz. vol. 190; p. 544.
- Clothes-lines. American Manufacturing Company. Nos. 91,928-32; June 10; Gaz. vol. 191; p. 581.
- Clothes-lines. Columbian Rope Co. No. 93,691; Oct. 14; Gaz. vol. 195; p. 534.
- Clothes-lines and twine. C. C. Truax & Company. No. 94,405; Dec. 2; Gaz. vol. 197; p. 237.
- Clothing. Certain. Edwards Manufacturing Company. No. 92,880; Aug. 5; Gaz. vol. 193; p. 215.
- Clothing. Certain named. Efroymsen & Wolf. No. 90,521; Mar. 4; Gaz. vol. 188; p. 237.
- Clothing. Certain named. J. H. Bancroft. No. 91,937; June 10; Gaz. vol. 191; p. 581.
- Clothing. Certain named. Daimler-Motoren-Gesellschaft. No. 91,950; June 10; Gaz. vol. 191; p. 581.
- Clothing. Certain named. W. H. Jacobsen. No. 91,968; June 10; Gaz. vol. 191; p. 582.
- Clothing. Certain named. A. G. Spalding & Bros. No. 92,007; June 10; Gaz. vol. 191; p. 583.
- Clothing. Certain named. Phillips-Hendon Co. No. 92,258; June 24; Gaz. vol. 191; p. 1064.
- Clothing. Certain named. W. Benger Söhne. No. 92,475; July 8; Gaz. vol. 192; p. 513.
- Clothing. Certain named. Selz, Schwab & Co. No. 92,726; July 22; Gaz. vol. 192; p. 986.
- Clothing. Certain named. C. Commechau & Co. No. 92,793; July 29; Gaz. vol. 192; p. 1256.
- Clothing. Certain named. Studd & Millington. No. 92,920; Aug. 5; Gaz. vol. 193; p. 216.
- Clothing. Certain named. World's Star Knitting Company. No. 93,059; Aug. 12; Gaz. vol. 193; p. 506.
- Clothing. Certain named. "Semperit" Oesterreichisch-Amerikanische Gummiwerke Aktiengesellschaft. No. 93,124; Aug. 19; Gaz. vol. 193; p. 751.
- Clothing. Certain named. T. C. Cullen. No. 93,165; Aug. 26; Gaz. vol. 193; p. 1011.
- Clothing. Certain named. A. M. Gutsche. No. 93,174; Aug. 26; Gaz. vol. 193; p. 1012.
- Clothing. Certain named. Lincoln Overall & Shirt Company. No. 93,187; Aug. 26; Gaz. vol. 193; p. 1012.
- Clothing. Certain named. The Printz Biederman Co. No. 93,203; Aug. 26; Gaz. vol. 193; p. 1012.
- Clothing. Certain named. Army & Navy Co-Operative Company. No. 93,805; Oct. 21; Gaz. vol. 195; p. 811.
- Clothing. Certain named. E. J. Schremp. No. 94,119; Nov. 4; Gaz. vol. 196; p. 271.
- Clothing. Certain named articles of. W. B. Manufacturing Co. No. 89,863; Jan. 14; Gaz. vol. 186; p. 553.
- Clothing. Certain named articles of. The Camp Fire Girls. No. 90,791; Mar. 25; Gaz. vol. 188; p. 1047.
- Clothing. Certain named articles of. Conrad & Co. No. 90,870; Apr. 1; Gaz. vol. 189; p. 247.
- Clothing. Certain named articles of. J. Hearth & Co. No. 90,989; Apr. 8; Gaz. vol. 189; p. 518.
- Clothing. Certain named articles of. Daimler-Motoren-Gesellschaft. No. 91,759; May 27; Gaz. vol. 190; p. 1023.
- Clothing. Certain named articles of. Bradt-Lane Company. No. 92,629; July 22; Gaz. vol. 192; p. 989.
- Clothing. Certain named articles of men's. The Yorke Shirt Co. No. 91,055; Apr. 8; Gaz. vol. 189; p. 520.
- Clothing for men and women. Brill Brothers. No. 93,070; Aug. 19; Gaz. vol. 193; p. 749.
- Clothing for men. Certain named. Less & Arenson Co. No. 92,689; July 22; Gaz. vol. 192; p. 985.
- Clothing. Men's tailored. McKnight Tailoring Company. No. 93,192; Aug. 26; Gaz. vol. 193; p. 1012.
- Clothing. Oiled. New York Belting & Packing Co. No. 92,454; July 8; Gaz. vol. 192; p. 513.
- Coal. Bache-Denman Coal Co. No. 90,282; Feb. 18; Gaz. vol. 187; p. 823.
- Coal. Carnegie Fuel Company. No. 90,966; Apr. 8; Gaz. vol. 189; p. 517.
- Coal. City Coal Company. No. 91,944; June 10; Gaz. vol. 191; p. 581.
- Coal. Castner, Curran & Bullitt. No. 92,636; July 22; Gaz. vol. 192; p. 983.
- Coal. Clear Creek Coal Company. No. 93,825; Oct. 21; Gaz. vol. 195; p. 812.
- Coal. Lumaghi Coal Company. No. 93,879; Oct. 21; Gaz. vol. 195; p. 813.
- Coal. Buchanan Coal Company. No. 94,421; Dec. 9; Gaz. vol. 197; p. 527.
- Coal, Bituminous. Peale, Peacock & Kerr. No. 90,400; Feb. 18; Gaz. vol. 187; p. 826.
- Coal, coke, &c. Machinery for washing. Head, Wrightson & Co. No. 91,089; Apr. 15; Gaz. vol. 189; p. 776.
- Coal-saving compound. J. D. Kingsbury. No. 91,672; May 20; Gaz. vol. 190; p. 788.
- Coal-tar preservative. Petrosote Manufacturing Co. No. 93,020; Aug. 12; Gaz. vol. 193; p. 505.
- Coater, Liquid first-. M. McNamara. No. 94,561; Dec. 16; Gaz. vol. 197; p. 777.
- Coats and cloaks, Ladies'. H. Markowitz. No. 90,124; Feb. 4; Gaz. vol. 187; p. 228.
- Coats and trousers. I. Berkenfeld. No. 91,310; Apr. 29; Gaz. vol. 189; p. 1275.
- Coats, cloaks, and outer suits, Children's and misses'. E. Deutsch & Co. No. 90,099; Feb. 4; Gaz. vol. 187; p. 227.
- Coats, hats, dresses, and rompers. Jordan Marsh Company. Nos. 93,182-3; Aug. 26; Gaz. vol. 193; p. 1012.
- Coats, jackets, petticoats, &c. A. G. Hyde & Sons. No. 91,965; June 10; Gaz. vol. 191; p. 582.
- Coats, pants, gloves, and mittens. Leather. Morrison-Ricker Mfg. Co. No. 90,563; Mar. 4; Gaz. vol. 188; p. 239.
- Coats, suits, dresses, and skirts, Outer. C. Lavine. No. 94,458; Dec. 9; Gaz. vol. 197; p. 528.
- Coats, trousers, vests, hats, and caps. Studd & Millington. No. 93,936; Oct. 21; Gaz. vol. 195; p. 815.
- Coats, vests, and trousers, Men's. S. Ellbogen. No. 91,329; Apr. 29; Gaz. vol. 189; p. 1276.
- Coats, vests, pants, and overcoats. Brill Brothers. No. 92,395; July 8; Gaz. vol. 192; p. 511.
- Coats, vests, trousers, and overcoats. Union National Tailoring Co. No. 89,892; Jan. 14; Gaz. vol. 186; p. 554.
- Coats, vests, trousers, and overcoats. Mayer Bro's. Nos. 92,812-13; July 29; Gaz. vol. 192; p. 1256.
- Coats, waistcoats, trousers, hats, &c. Carbondale Knitting Mills. No. 91,317; Apr. 29; Gaz. vol. 189; p. 1275.
- Cocks, faucets, and valves, Compression-. A. C. Brown. No. 93,683; Oct. 14; Gaz. vol. 195; p. 534.
- Cocoa. J. S. Fry and Sons. No. 92,062; June 17; Gaz. vol. 191; p. 826.
- Cocoa. P. C. Larkin. No. 92,805; July 29; Gaz. vol. 192; p. 1256.
- Cocoa and chocolate. Falter Tangermünder Schokoladenfabrik Gesellschaft mit beschränkter Haftung. No. 93,434; Sept. 16; Gaz. vol. 194; p. 739.
- Cocoa, cocoa powder, chocolate, &c. Cacao-en-Chocolade-fabriek Union. No. 92,947; Aug. 12; Gaz. vol. 193; p. 503.
- Cod johnnies, bloaters, and herring. B. M. Shipman Co. No. 91,808; May 27; Gaz. vol. 190; p. 1025.
- Cod-liver oil, Pharmaceutical preparation of. Payne, Seay & Anderson. No. 91,895; June 3; Gaz. vol. 191; p. 289.
- Coffee. Thomas Wood Co. No. 89,899; Jan. 14; Gaz. vol. 186; p. 554.
- Coffee. Compania de Cafe Esperanza. No. 89,989; Jan. 28; Gaz. vol. 186; p. 981.
- Coffee. Reinhard and Company. No. 90,471; Feb. 25; Gaz. vol. 187; p. 1113.
- Coffee. W. V. Hirsh. No. 90,639; Mar. 11; Gaz. vol. 188; p. 509.
- Coffee. Seeman Brothers. No. 91,039; Apr. 8; Gaz. vol. 189; p. 519.
- Coffee. J. Zensmeister & Sons. No. 91,057; Apr. 8; Gaz. vol. 189; p. 520.
- Coffee. O. R. Pieper. No. 91,600; May 13; Gaz. vol. 190; p. 544.
- Coffee. The J. Henry Koenig Co. No. 91,881; June 3; Gaz. vol. 191; p. 288.
- Coffee. Fritze, Lundt & Co., Succs. No. 92,208; June 24; Gaz. vol. 191; p. 1062.
- Coffee. Mazo Bros. No. 92,354; July 1; Gaz. vol. 192; p. 212.
- Coffee. J. A. Folger & Company. Nos. 92,545-7; July 15; Gaz. vol. 192; p. 738.
- Coffee. J. Blyth. No. 92,784; July 29; Gaz. vol. 192; p. 1256.
- Coffee. Franklin MacVeagh & Company. No. 93,101; Aug. 19; Gaz. vol. 193; p. 750.
- Coffee. Arbuckle Bros. No. 93,254; Sept. 2; Gaz. vol. 194; p. 269.
- Coffee. The Johnson-Layne Coffee Co. No. 93,447; Sept. 16; Gaz. vol. 194; p. 740.
- Coffee. Steinwender-Stoffregen Coffee Co. No. 93,567; Sept. 23; Gaz. vol. 194; p. 948.
- Coffee. J. A. Folger & Company. No. 93,631; Oct. 7; Gaz. vol. 195; p. 271.
- Coffee. The G. B. Farrington Company. No. 93,980; Oct. 28; Gaz. vol. 195; p. 1045.
- Coffee. International Coffee Co. No. 94,286; Nov. 25; Gaz. vol. 196; p. 1047.
- Coffee. Nalley Grocery Co. No. 94,660; Dec. 23; Gaz. vol. 197; p. 993.

Alphabetical list of trade-marks—Continued.

- Coffee and chicory compound. Merchants Coffee Company of New Orleans. No. 90,228; Feb. 11; Gaz. vol. 187; p. 509.
- Coffee and flavoring extracts. Humphreys, Cannon and Co. No. 92,220; June 24; Gaz. vol. 191; p. 1063.
- Coffee and flavoring extracts. Humphreys, Cannon & Co. No. 92,426; July 8; Gaz. vol. 192; p. 512.
- Coffee and rice. The Ouerbacker Coffee Co. No. 90,372; Feb. 18; Gaz. vol. 187; p. 825.
- Coffee and tea. F. Young. No. 91,627; May 13; Gaz. vol. 190; p. 545.
- Coffee and tea pots. The James Heekin Company. No. 93,719; Oct. 14; Gaz. vol. 195; p. 535.
- Coffee, Blend. Dean & Co. No. 93,524; Sept. 23; Gaz. vol. 194; p. 947.
- Coffee, Blended. Young-Mahood Company. No. 89,900; Jan. 14; Gaz. vol. 186; p. 554.
- Coffee, Blended. Fort Smith Coffee Co. No. 90,007; Jan. 28; Gaz. vol. 186; p. 982.
- Coffee, Blended. C. B. Wagstaff. No. 90,939; Apr. 1; Gaz. vol. 189; p. 249.
- Coffee, Blended. J. T. Fargason Co. No. 91,083; Apr. 15; Gaz. vol. 189; p. 775.
- Coffee, Blended. J. F. Humphreys and Co. No. 92,075; June 17; Gaz. vol. 191; p. 826.
- Coffee, Blended. St. Louis Coffee & Spice Mills. No. 92,375; July 1; Gaz. vol. 192; p. 213.
- Coffee, Blended. William S. Scull Company. No. 93,247; Aug. 26; Gaz. vol. 193; p. 1014.
- Coffee, Blended. William S. Scull Company. No. 94,207; Nov. 11; Gaz. vol. 196; p. 523.
- Coffee, Imitation. Cardo Cereal Co. No. 89,988; Jan. 28; Gaz. vol. 186; p. 981.
- Coffee, Imitation. The Tropico Co. No. 93,249; Aug. 26; Gaz. vol. 193; p. 1014.
- Coffee ingredients. A. Kempler. No. 92,993; Aug. 12; Gaz. vol. 193; p. 504.
- Coffee-mills, meat-choppers, bone-grinders, &c., Electric. The Hobart Electric Mfg. Co. No. 92,217; June 24; Gaz. vol. 191; p. 1063.
- Coffee substitute. Amber Hue Co. No. 89,976; Jan. 28; Gaz. vol. 186; p. 981.
- Coffee substitute. Dwinell-Wright Company. No. 91,178; Apr. 22; Gaz. vol. 189; p. 1026.
- Coffee substitute. Renner Sons Company. No. 93,465; Sept. 16; Gaz. vol. 194; p. 740.
- Coffee substitutes. E. M. Morrison. No. 90,037; Jan. 28; Gaz. vol. 186; p. 983.
- Coffee, tea, and cocoa. M. Remington. No. 90,922; Apr. 1; Gaz. vol. 189; p. 248.
- Coffee, tea, flavoring extracts, &c. Klauber, Wangenheim & Co. No. 92,996; Aug. 12; Gaz. vol. 193; p. 505.
- Coffee, tea, flavoring extracts, spices, and cocoa. F. C. Kip. No. 94,003; Oct. 28; Gaz. vol. 195; p. 1046.
- Coffee, tea, macaroni, and noodles. Myles Standish Company. No. 93,890; Oct. 21; Gaz. vol. 195; p. 813.
- Coffee, tea, spices, and flavoring extracts. Dwight Edwards Company. No. 93,834; Oct. 21; Gaz. vol. 195; p. 812.
- Coffees and teas. Royal Valley Coffee Co. No. 91,516; May 6; Gaz. vol. 190; p. 261.
- Coffees, Roast. R. J. Thornton & Co. No. 90,391; Feb. 18; Gaz. vol. 187; p. 826.
- Collar-stays. J. Duquette. No. 93,168; Aug. 26; Gaz. vol. 193; p. 1011.
- Collar-supporters. G. B. Smith. No. 92,915; Aug. 5; Gaz. vol. 193; p. 216.
- Collars and cuffs. Cluett, Peabody & Co. No. 90,793; Mar. 25; Gaz. vol. 188; p. 1047.
- Coloring materials for painters' use. Vereinigte Chemische Fabriken, Landau, Kreidl, Heller & Co. No. 93,784; Oct. 14; Gaz. vol. 195; p. 537.
- Colors, ichthyol, &c., Anilin. Chemical Works formerly Sandoz. No. 92,185; June 24; Gaz. vol. 191; p. 1062.
- Colors, Pigment. A. Klipstein & Company. No. 92,896; Aug. 5; Gaz. vol. 193; p. 216.
- Combs. Noyes Comb Company. No. 90,046; Jan. 28; Gaz. vol. 186; p. 983.
- Combs, Dressing. W. N. Archie. No. 94,580; Dec. 23; Gaz. vol. 197; p. 991.
- Combs, pincushions, and button-hooks, Toilet. Pacific Novelty Company. No. 94,108; Nov. 4; Gaz. vol. 196; p. 271.
- Combs, Toilet. Geo. Borgfeldt & Co. No. 92,785; July 29; Gaz. vol. 192; p. 1256.
- Comforts, blankets, nainsook, and long-cloth. L. S. Ayres and Company. No. 93,667; Oct. 14; Gaz. vol. 195; p. 533.
- Commodities and box and vat closets, Sanitary. West Disinfecting Co. No. 94,704; Dec. 23; Gaz. vol. 197; p. 995.
- Commutator-brushes. The Nungesser Carbon & Battery Co. No. 92,706; July 22; Gaz. vol. 192; p. 985.
- Complexion-tint. J. A. Harriss. No. 91,208; Apr. 22; Gaz. vol. 189; p. 1026.
- Compound for special use, Liquid. Vulko-Fiberene Co. No. 93,399; Sept. 9; Gaz. vol. 194; p. 547.
- Compounds used for certain named purposes. The Keever Bros. Co. No. 90,543; Mar. 4; Gaz. vol. 188; p. 238.
- Concrete coatings. Standard Varnish Works. No. 93,390; Sept. 9; Gaz. vol. 194; p. 547.
- Concrete constructions, paving, and walls. R. C. Stubbs. No. 94,126; Nov. 4; Gaz. vol. 196; p. 271.
- Concrete constructions, Solution for waterproofing and hardening. L. Sonneborn Sons. No. 94,123; Nov. 4; Gaz. vol. 196; p. 271.
- Confection, After-dinner. Hall & Ruckel. No. 94,178; Nov. 11; Gaz. vol. 196; p. 522.
- Confection, Candied popcorn. Wadsworth and Jenkins. No. 93,310; Sept. 2; Gaz. vol. 194; p. 270.
- Construction material, Certain. Newark Hair Felt Co. No. 93,013; Aug. 12; Gaz. vol. 193; p. 505.
- Construction materials, Certain. The Philip Carey Manufacturing Co. No. 90,965; Apr. 8; Gaz. vol. 189; p. 517.
- Construction materials, Certain. Warren Chemical & Manufacturing Company. No. 92,304; June 24; Gaz. vol. 191; p. 1065.
- Construction materials, Certain. Hutchison Scott Company. No. 92,798; July 29; Gaz. vol. 192; p. 1256.
- Construction materials, Certain. Concrete Finishing Company. No. 93,337; Sept. 9; Gaz. vol. 194; p. 545.
- Construction materials, Certain. The West Construction Company. No. 93,401; Sept. 9; Gaz. vol. 194; p. 547.
- Construction materials, Certain named. Wetterwald & Pfister Company. No. 91,145; Apr. 15; Gaz. vol. 189; p. 777.
- Construction materials, Certain named. The Idealite Company. No. 91,216; Apr. 22; Gaz. vol. 189; p. 1027.
- Construction materials, Certain named. Russell & Dexter Co. Nos. 91,253-4; Apr. 22; Gaz. vol. 189; p. 1028.
- Construction materials, Certain named. R. A. Keasbey Co. No. 91,352; Apr. 29; Gaz. vol. 189; p. 1276.
- Construction materials, Certain named. British Cork Asphalt. No. 92,177; June 24; Gaz. vol. 191; p. 1061.
- Construction materials, Certain named. W. Laufer. No. 92,238; June 24; Gaz. vol. 191; p. 1063.
- Construction materials, Certain named. Wheeling Corrugating Company. No. 92,305; June 24; Gaz. vol. 191; p. 1065.
- Construction materials, Certain named. Modern Steel Structural Co. No. 92,441; July 8; Gaz. vol. 192; p. 512.
- Construction materials, Certain named. Standard Paint Company. Nos. 92,476-7; July 8; Gaz. vol. 192; p. 513.
- Construction materials, Certain named. Warren Chemical & Manufacturing Company. Nos. 92,488-9; July 8; Gaz. vol. 192; p. 514.
- Construction materials, Certain named. California China Products Company. No. 92,633; July 22; Gaz. vol. 192; p. 983.
- Construction materials, Certain named. Hutchison Scott Company. No. 92,894; Aug. 5; Gaz. vol. 193; p. 216.
- Conveying and transmission apparatus. The Lamson Company. No. 93,450; Sept. 16; Gaz. vol. 194; p. 740.
- Cookers, Fireless. The Acme Fireless Cooker Co. No. 93,142; Aug. 26; Gaz. vol. 193; p. 1011.
- Cooking apparatus and parts thereof, Egg. W. E. Curtis. No. 93,696; Oct. 14; Gaz. vol. 195; p. 534.
- Cooking apparatus, Steam. Rex-Conservenglas-Gesellschaft Leonhardt & Kleemann. No. 93,466; Sept. 16; Gaz. vol. 194; p. 740.
- Cooking compound. J. B. Camors & Co. No. 93,229; Aug. 26; Gaz. vol. 193; p. 1013.
- Cookies. Robert A. Johnston Co. No. 94,287; Nov. 25; Gaz. vol. 196; p. 1047.
- Cookies, cakes, and crackers. The Holland Cookie Company. No. 92,554; July 15; Gaz. vol. 192; p. 738.
- Cord, Braided-silk eyeglass. J. H. Mueller. No. 91,297; Apr. 22; Gaz. vol. 189; p. 1029.
- Cord, Sash. American Manufacturing Company. No. 91,927; June 10; Gaz. vol. 191; p. 581.
- Cords, twines, ropes, and lines. Henry C. Kelley Company. No. 91,971; June 10; Gaz. vol. 191; p. 582.
- Cords, twines, ropes, and lines. Henry C. Kelley Company. Nos. 92,560-1; July 15; Gaz. vol. 192; p. 739.
- Cords, twines, ropes, and lines. Henry C. Kelley Company. No. 93,184; Aug. 26; Gaz. vol. 193; p. 1012.
- Cords, twines, ropes, and lines. Henry C. Kelley Company. No. 93,362; Sept. 9; Gaz. vol. 194; p. 546.
- Cordage. American Manufacturing Company. Nos. 89,793-4; Jan. 14; Gaz. vol. 186; p. 551.
- Cordial. Sheffield Dentifrice Co. No. 92,728; July 22; Gaz. vol. 192; p. 986.
- Cordial, Blackberry. Garrett & Co. No. 94,785; Dec. 30; Gaz. vol. 197; p. 1289.
- Core compound. The Hill & Griffith Company. No. 92,672; July 22; Gaz. vol. 192; p. 984.
- Cork disks and washers. New Process Cork Company. No. 92,905; Aug. 5; Gaz. vol. 193; p. 216.
- Corn and bunion shields. S. B. Williamson. No. 90,610; Mar. 4; Gaz. vol. 188; p. 240.
- Corn-files. N. E. Sibley. No. 93,931; Oct. 21; Gaz. vol. 195; p. 815.
- Corn-plasters. H. G. Seyfarth. No. 93,763; Oct. 14; Gaz. vol. 195; p. 536.
- Corn-plasters and foot-powders. The Scholl Manufacturing Company. No. 94,031; Oct. 28; Gaz. vol. 195; p. 1047.

Alphabetical list of trade-marks—Continued.

- Corn remedy, hair- tonic, and toilet water. T. Riples. No. 94,488; Dec. 9; Gaz. vol. 197; p. 529.
- Corn seeds, Fodder-. Northrup, King & Co. No. 90,234; Feb. 11; Gaz. vol. 187; p. 509.
- Corn seeds, Fodder-. Northrup, King & Co. No. 90,728; Mar. 18; Gaz. vol. 188; p. 804.
- Corn-starch. National Starch Co. No. 91,119; Apr. 15; Gaz. vol. 189; p. 776.
- Cornmeal. The Davis Milling Company. No. 89,994; Jan. 28; Gaz. vol. 186; p. 981.
- Cornmeal. Nebraska Corn Products Co. No. 91,120; Apr. 15; Gaz. vol. 189; p. 776.
- Cornmeal. Gross & Company. No. 93,845; Oct. 21; Gaz. vol. 195; p. 812.
- Cornmeal. S. C. Brinser. No. 94,352; Dec. 2; Gaz. vol. 197; p. 235.
- Corset and corset-cover, Combination. Chas. R. De Bevoise Company. No. 92,650; July 22; Gaz. vol. 192; p. 984.
- Corset-cover and bust-supporter, Combined. L. Levy. No. 90,902; Apr. 1; Gaz. vol. 189; p. 248.
- Corset-cover brassières. Newmark Bros. No. 92,705; July 22; Gaz. vol. 192; p. 985.
- Corset-covers, skirts, gowns, &c. The Green-Joyce Company. No. 90,431; Feb. 25; Gaz. vol. 187; p. 1112.
- Corset-waists. "The H & W Company." No. 94,632; Dec. 23; Gaz. vol. 197; p. 993.
- Corsets. Berthe May, Inc. No. 90,822; Mar. 25; Gaz. vol. 188; p. 1048.
- Corsets. M. Pincus. No. 90,834; Mar. 25; Gaz. vol. 188; p. 1048.
- Corsets. Sandow, Limited. No. 90,926; Apr. 1; Gaz. vol. 189; p. 249.
- Corsets. American Lady Corset Company. No. 91,304; Apr. 29; Gaz. vol. 189; p. 1275.
- Corsets. Ireta Corset Company. No. 91,351; Apr. 29; Gaz. vol. 189; p. 1276.
- Corsets. Lily of France Corset Co. Nos. 91,358-9; Apr. 29; Gaz. vol. 189; p. 1276.
- Corsets. Birdsey-Somers Co. Nos. 91,455-6; May 6; Gaz. vol. 190; p. 259.
- Corsets. Lily of France Corset Co. No. 91,494; May 6; Gaz. vol. 190; p. 260.
- Corsets. E. C. McWatty Company. No. 91,683; May 20; Gaz. vol. 190; p. 788.
- Corsets. Kabo Corset Company. No. 91,969; June 10; Gaz. vol. 191; p. 582.
- Corsets. Massachusetts Corset Company. No. 91,976; June 10; Gaz. vol. 191; p. 582.
- Corsets. E. C. McWatty Company. Nos. 92,250-2; June 24; Gaz. vol. 191; pp. 1063-4.
- Corsets. Mme. Mariette Co. No. 92,350; July 1; Gaz. vol. 192; p. 212.
- Corsets. E. C. McWatty Company. No. 92,445; July 8; Gaz. vol. 192; p. 512.
- Corsets. George C. Batcheller & Co. No. 92,507; July 15; Gaz. vol. 192; p. 737.
- Corsets. Neuhausel Bros. No. 93,286; Sept. 2; Gaz. vol. 194; p. 270.
- Corsets. Mme. Mariette Co. No. 93,369; Sept. 9; Gaz. vol. 194; p. 546.
- Corsets. A. E. Gifford. No. 93,843; Oct. 21; Gaz. vol. 195; p. 812.
- Corsets. Kops Bros. No. 94,526; Dec. 9; Gaz. vol. 197; p. 530.
- Corsets and binders, Abdominal. A. E. Gallant. No. 93,527; Sept. 23; Gaz. vol. 194; p. 947.
- Corsets and bodices. B. Altman & Co. No. 89,904; Jan. 21; Gaz. vol. 186; p. 793.
- Corsets and corset-waists. Birdsey-Somers Co. No. 93,812; Oct. 21; Gaz. vol. 195; p. 811.
- Corsets, corset-covers, and corset-pads. Kops Bros. No. 90,347; Feb. 18; Gaz. vol. 187; p. 825.
- Corsets, corset-waists, brassières, &c. The H & W Company. No. 90,014; Jan. 28; Gaz. vol. 186; p. 982.
- Costumes and articles of clothing. Onondaga Indian Wigwam Company. No. 90,730; Mar. 18; Gaz. vol. 188; p. 805.
- Cotton and jute bagging. M. M. Graves Company. No. 93,714; Oct. 14; Gaz. vol. 195; p. 534.
- Cotton and silk piece goods. B. Hart & Bro. No. 93,092; Aug. 19; Gaz. vol. 193; p. 750.
- Cotton and wool piece goods. J. B. Ellison & Sons. No. 93,835; Oct. 21; Gaz. vol. 195; p. 812.
- Cotton and woolen piece goods. Hadley Mills. No. 93,175; Aug. 26; Gaz. vol. 193; p. 1012.
- Cotton and worsted piece goods. Farr Alpaca Co. No. 92,205; June 24; Gaz. vol. 191; p. 1062.
- Cotton-batting. Rock River Cotton Co. No. 94,114; Nov. 4; Gaz. vol. 196; p. 271.
- Cotton cloth. American Lady Corset Company. No. 93,657; Oct. 14; Gaz. vol. 195; p. 533.
- Cotton cloth and cloth made of certain named materials. S. H. Greene & Sons Corporation. No. 91,960; June 10; Gaz. vol. 191; p. 582.
- Cotton flannel and outing piece goods. Hunter Manufacturing & Commission Co. Nos. 91,963-4; June 10; Gaz. vol. 191; p. 582.
- Cotton goods, Certain named. Stonewall Cotton Mills. No. 94,690; Dec. 23; Gaz. vol. 197; p. 994.
- Cotton lace, Machine-made. A. H. Woolley & Co. No. 90,018; Jan. 28; Gaz. vol. 186; p. 982.
- Cotton piece and cotton dress goods. Pacific Mills. No. 90,469; Feb. 25; Gaz. vol. 187; p. 1113.
- Cotton piece goods. G. Willis & Co. No. 89,744; Jan. 7; Gaz. vol. 186; p. 285.
- Cotton piece goods. G. Willis & Co. No. 90,012; Jan. 28; Gaz. vol. 186; p. 982.
- Cotton piece goods. Arista Mills Co. No. 90,086; Feb. 4; Gaz. vol. 187; p. 227.
- Cotton piece goods. Fall River Bleachery. No. 90,179; Feb. 11; Gaz. vol. 187; p. 507.
- Cotton piece goods. G. Willis & Co. No. 90,198; Feb. 11; Gaz. vol. 187; p. 508.
- Cotton piece goods. Gribbon, Lange & Steven. No. 90,325; Feb. 18; Gaz. vol. 187; p. 824.
- Cotton piece goods. Richard Borden Manufacturing Company. No. 90,506; Mar. 4; Gaz. vol. 188; p. 237.
- Cotton piece goods. G. Willis & Co. No. 90,611; Mar. 4; Gaz. vol. 188; p. 240.
- Cotton piece goods. Barnaby Manufacturing Co. No. 90,776; Mar. 25; Gaz. vol. 188; p. 1047.
- Cotton piece goods. A. G. Hyde & Sons. No. 91,771; May 27; Gaz. vol. 190; p. 1024.
- Cotton piece goods. Cohn Hall Marx Co. No. 91,945; June 10; Gaz. vol. 191; p. 581.
- Cotton piece goods. Dykeman, Neill & Loeb. No. 92,197; June 24; Gaz. vol. 191; p. 1062.
- Cotton piece goods. A. G. Hyde & Sons. No. 92,221; June 24; Gaz. vol. 191; p. 1063.
- Cotton piece goods. J. L. Stifel & Sons. No. 92,596; July 15; Gaz. vol. 192; p. 740.
- Cotton piece goods. Tremont & Suffolk Mills. No. 92,744; July 22; Gaz. vol. 192; p. 987.
- Cotton piece goods. Tremont & Suffolk Mills. No. 92,844; July 29; Gaz. vol. 192; p. 1257.
- Cotton piece goods. Narragansett Finishing Company. No. 93,195; Aug. 26; Gaz. vol. 193; p. 1012.
- Cotton piece goods. Tremont & Suffolk Mills. No. 93,779; Oct. 14; Gaz. vol. 195; p. 536.
- Cotton piece goods. Lorraine Mfg. Co. No. 94,094; Nov. 4; Gaz. vol. 196; p. 270.
- Cotton piece goods. Amoskeag Manufacturing Company. No. 94,509; Dec. 9; Gaz. vol. 197; p. 530.
- Cotton piece goods. Burton Bros. & Co. No. 94,511; Dec. 9; Gaz. vol. 197; p. 530.
- Cotton piece goods. Pemberton Company. No. 94,531; Dec. 9; Gaz. vol. 197; p. 530.
- Cotton piece goods, Bleached. Carson, Pirie, Scott & Co. No. 93,685; Oct. 14; Gaz. vol. 195; p. 534.
- Cotton piece goods, Unbleached. Victor Manufacturing Company. No. 91,433; Apr. 29; Gaz. vol. 189; p. 1279.
- Cotton-seed-hull fiber, paper-pulp, and half-stuff. The American Cotton Hull & Fibre Co. No. 92,863; Aug. 5; Gaz. vol. 193; p. 215.
- Cotton sheetings. Riverside & Dan River Cotton Mills. No. 90,579; Mar. 4; Gaz. vol. 188; p. 239.
- Cotton-waste. Union Wadding Co. No. 92,014; June 10; Gaz. vol. 191; p. 583.
- Couches and beds. The Kodak Company. No. 92,232; June 24; Gaz. vol. 191; p. 1063.
- Cough-drops. Smith Brothers. No. 90,753; Mar. 18; Gaz. vol. 188; p. 805.
- Cough-drops. W. J. Patterson. No. 92,575; July 15; Gaz. vol. 192; p. 739.
- Cough-drops. H. P. Klein. No. 92,685; July 22; Gaz. vol. 192; p. 985.
- Court-plaster liquid substitute. Newskin Company. No. 91,235; Apr. 22; Gaz. vol. 189; p. 1027.
- Covers, Merchandise-. Zittlosen Manufacturing Co. No. 90,853; Mar. 25; Gaz. vol. 188; p. 1049.
- Crackers. R. Fabien & Co. No. 92,059; June 17; Gaz. vol. 191; p. 826.
- Crackers and biscuits. Johnson Biscuit Company. No. 93,635; Oct. 7; Gaz. vol. 195; p. 271.
- Crackers, biscuits, and cakes. California Cracker Co. No. 94,597; Dec. 23; Gaz. vol. 197; p. 991.
- Crackers, biscuit, cakes, and bread. Jacksonville Cracker Works. No. 90,441; Feb. 25; Gaz. vol. 187; p. 1112.
- Crackers, biscuits, cakes, and bread. Jacksonville Cracker Works. Nos. 90,816-18; Mar. 25; Gaz. vol. 188; p. 1048.
- Crape, Silk. Haas Brothers. No. 94,727; Dec. 30; Gaz. vol. 197; p. 1287.
- Crash and toweling. Ballin & Taylor. No. 94,265; Nov. 25; Gaz. vol. 196; p. 1047.
- Crates. C. W. Ferguson. No. 94,243; Nov. 18; Gaz. vol. 196; p. 801.
- Crates. C. M. Ankeney. No. 94,579; Dec. 23; Gaz. vol. 197; p. 991.
- Crates, boxes, and baskets. Cummer Mfg. Co. No. 89,819; Jan. 14; Gaz. vol. 186; p. 552.
- Crates, boxes, and baskets. Cummer Mfg. Co. No. 90,296; Feb. 18; Gaz. vol. 187; p. 823.
- Cravats. Mueller-Carter Neckwear Company. No. 93,745; Oct. 14; Gaz. vol. 195; p. 535.
- Cravats, neckties, and neckscarfs. B. Weisberg. No. 93,225; Aug. 26; Gaz. vol. 193; p. 1013.

Alphabetical list of trade-marks—Continued.

- Cream and complexion-powder, Toilet. The Duchess Lulu Company. No. 92,965; Aug. 12; Gaz. vol. 193; p. 504.
- Cream and tooth-paste, Cold-. The Wilcox Company. No. 91,435; Apr. 29; Gaz. vol. 189; p. 1279.
- Cream, Antiseptic. Paris Medicine Company. No. 94,792; Dec. 30; Gaz. vol. 197; p. 1289.
- Cream, Cold-. A. Haassler. No. 91,205; Apr. 22; Gaz. vol. 189; p. 1026.
- Cream, Cold-. Richard Hudnut. No. 93,996; Oct. 28; Gaz. vol. 195; p. 1046.
- Cream, Deodorizing cold-. J. B. Johnson. No. 94,000; Oct. 28; Gaz. vol. 195; p. 1046.
- Cream, Face-. Lenore Cosmetic Co. No. 90,716; Mar. 18; Gaz. vol. 188; p. 804.
- Cream, Face-. W. A. Bartlett. No. 91,636; May 20; Gaz. vol. 190; p. 787.
- Cream, Face-. H. Thomas. No. 93,570; Sept. 23; Gaz. vol. 194; p. 948.
- Cream, Face and cold. Scotch-Tone Remedy Co. No. 91,257; Apr. 22; Gaz. vol. 189; p. 1028.
- Cream for the relief of foot troubles and chafing. The B. A. Russell Pharmacal Co. No. 94,490; Dec. 9; Gaz. vol. 197; p. 529.
- Cream, hair- tonic, and cough mixtures, Cold-. The Park Pharmacy. No. 94,483; Dec. 9; Gaz. vol. 197; p. 529.
- Cream, Massage-. The Wavenlock Co. No. 91,434; Apr. 29; Gaz. vol. 189; p. 1279.
- Cream, Massage-. P. J. Fouquier. No. 91,958; June 10; Gaz. vol. 191; p. 582.
- Cream or paste for the skin. The Allen-Williams Company. No. 92,310; July 1; Gaz. vol. 192; p. 211.
- Cream-separators. J. Mélotte. No. 89,866; Jan. 14; Gaz. vol. 186; p. 553.
- Cream, Shaving-. Hall & Ruckel. No. 90,113; Feb. 4; Gaz. vol. 187; p. 228.
- Cream, Toilet. J. H. Haydon. No. 93,176; Aug. 26; Gaz. vol. 193; p. 1012.
- Creams and lotions, Toilet. J. E. Espey. No. 93,596; Sept. 30; Gaz. vol. 194; p. 1137.
- Crimping-machines. Lockett Crimping Machine Co. No. 90,121; Feb. 4; Gaz. vol. 187; p. 228.
- Crucibles. The Morgan Crucible Company. No. 89,936; Jan. 21; Gaz. vol. 186; p. 794.
- Crucibles. The Morgan Crucible Company. No. 91,105; Apr. 15; Gaz. vol. 189; p. 776.
- Crucibles and cupels. Graphites-Maskar Société Anonyme. No. 93,713; Oct. 14; Gaz. vol. 195; p. 534.
- Crucibles, levels, and assay-balances. The Mine and Smelter Supply Co. No. 94,474; Dec. 9; Gaz. vol. 197; p. 529.
- Crucibles, Plumbago. The Morgan Crucible Company. No. 91,592; May 13; Gaz. vol. 190; p. 544.
- Cultivators. Parlin & Orendorff Co. No. 93,901; Oct. 21; Gaz. vol. 195; p. 814.
- Currants. W. Hills, Jr. No. 90,438; Feb. 25; Gaz. vol. 187; p. 1112.
- Curtains, Raffia, grass, and bamboo porch-. R. H. Comey Company. No. 92,646; July 22; Gaz. vol. 192; p. 984.
- Cuticle-softener. G. E. Crittenden. No. 90,294; Feb. 18; Gaz. vol. 187; p. 823.
- Cutlery and machinery, Certain named. J. A. Henckels. No. 94,180; Nov. 11; Gaz. vol. 196; p. 522.
- Cutlery and tools, Certain named. Morley Brothers. No. 90,725; Mar. 18; Gaz. vol. 188; p. 804.
- Cutlery and tools, Certain named. Landers, Frary & Clark. No. 90,896; Apr. 1; Gaz. vol. 189; p. 248.
- Cutlery and tools, Certain named. Van Doren Manufacturing Co. Nos. 90,937-8; Apr. 1; Gaz. vol. 189; p. 249.
- Cutlery and tools, Certain named. Clark-Smith Hardware Company. Nos. 92,642-3; July 22; Gaz. vol. 192; pp. 983-4.
- Cutlery and tools, Certain named. William Atkins & Co. No. 93,414; Sept. 16; Gaz. vol. 194; p. 739.
- Cutlery, Certain. Mark Cross Company. No. 92,959; Aug. 12; Gaz. vol. 193; p. 503.
- Cutlery, machinery, and tools, and parts thereof, Certain. Daimler-Motoren-Gesellschaft. No. 90,873; Apr. 1; Gaz. vol. 189; p. 247.
- Cutlery, machinery, and tools, and parts thereof, Certain. E. C. Atkins & Company. No. 92,033; June 17; Gaz. vol. 191; p. 825.
- Cutlery, machinery, and tools, and parts thereof, Certain. Nash Hardware Company. No. 92,106; June 17; Gaz. vol. 191; p. 827.
- Cutlery, machinery, and tools, and parts thereof, Certain. Sanderson Brothers and Newbould. No. 92,130; June 17; Gaz. vol. 191; p. 828.
- Cutlery, machinery, and tools, and parts thereof, Certain. Wm. Enders Manufacturing Company. No. 92,661; July 22; Gaz. vol. 192; p. 984.
- Cutlery, machinery, and tools, and parts thereof, Certain. The Collins Company. Nos. 93,075-6; Aug. 19; Gaz. vol. 193; p. 749.
- Cutlery, machinery, and tools, and parts thereof, Certain named. Whitman Agricultural Company. No. 92,751; July 22; Gaz. vol. 192; p. 987.
- Cutlery, machinery, and tools, Certain. Hibbard, Spencer, Bartlett & Co. No. 91,093; Apr. 15; Gaz. vol. 189; p. 776.
- Cutlery, machinery, and tools, Certain named. W. A. Tyzack & Co. No. 90,762; Mar. 18; Gaz. vol. 188; p. 805.
- Cutlery, machinery, and tools, Certain named. The Wooster Hardware Company. No. 91,734; May 20; Gaz. vol. 190; p. 790.
- Cutlery, machinery, and tools, Certain named. Deere & Company. Nos. 91,859-61; June 3; Gaz. vol. 191; p. 288.
- Cutlery, machinery, and tools, Certain named. Morgan Construction Company. No. 91,888; June 3; Gaz. vol. 191; p. 288.
- Cutlery, machinery, and tools, Certain named. Stauffer, Eshleman & Co. No. 94,216; Nov. 11; Gaz. vol. 196; p. 523.
- Cutlery, machinery, tools, and parts thereof. Vaughan & Bushnell Manufacturing Company. No. 92,602; July 15; Gaz. vol. 192; p. 740.
- Cutlery, machinery, tools, and parts thereof. Bühler Gebrüder. No. 93,519; Sept. 23; Gaz. vol. 194; p. 947.
- Cutlery, machinery, tools, and parts thereof, Certain. F. C. Huyck and Sons. No. 90,892; Apr. 1; Gaz. vol. 189; p. 248.
- Cutlery, machinery, tools, and parts thereof, Certain. American Optical Company. No. 92,387; July 8; Gaz. vol. 192; p. 511.
- Cutlery, machinery, tools, and parts thereof, Certain. Daimler-Motoren-Gesellschaft. Nos. 93,081-2; Aug. 19; Gaz. vol. 193; p. 749.
- Cutlery, machinery, tools, and parts thereof, Certain. United Autographic Register Company. No. 93,137; Aug. 19; Gaz. vol. 193; p. 751.
- Cutlery, machinery, tools, and parts thereof, Certain. Biddle Hardware Company. No. 93,331; Sept. 9; Gaz. vol. 194; p. 545.
- Cutlery, machinery, tools, and parts thereof, Certain named. Whitman Agricultural Company. No. 92,609; July 15; Gaz. vol. 192; p. 740.
- Cutlery, machinery, tools, and parts thereof, Certain named. Landers, Frary & Clark. No. 92,998; Aug. 12; Gaz. vol. 193; p. 505.
- Cutlery, machines, and tools, Certain named. Tower Manufacturing & Novelty Co. No. 90,146; Feb. 4; Gaz. vol. 187; p. 229.
- Cutlery, tools, and parts thereof, Certain named. Markt & Co. No. 91,495; May 6; Gaz. vol. 190; p. 260.
- Cutlery, tools, and parts thereof, Certain named. F. Dick. No. 92,325; July 1; Gaz. vol. 192; p. 211.
- Cutlery, tools, needles, and razors. E. Hermes. No. 93,177; Aug. 26; Gaz. vol. 193; p. 1012.
- Cutter-heads and lathes. Smith Cannery Machines Company. No. 91,519; May 6; Gaz. vol. 190; p. 261.
- Cycle and bicycle saddles, Motor-. H. & F. Mesinger Mfg. Co. No. 90,559; Mar. 4; Gaz. vol. 188; p. 239.
- Cycle chains, pedals, handle-bars, spokes, &c. Union Gesellschaft für Metallindustrie mit beschränkter Haftung. No. 94,696; Dec. 23; Gaz. vol. 197; p. 994.
- Cycles and automobiles, Motor-. S. A. Flamm. No. 90,423; Feb. 25; Gaz. vol. 187; p. 1111.
- Cycles and bicycles, Motor-. Excelsior Motor Mfg. & Supply Co. No. 91,333; Apr. 29; Gaz. vol. 189; p. 1276.
- Cycles, Motor-. Harley-Davidson Motor Co. No. 93,504; Sept. 16; Gaz. vol. 194; p. 742.
- Dairy products. A. L. Tertsagian. Nos. 93,568-9; Sept. 23; Gaz. vol. 194; p. 948.
- Dandruff-remover and hair-renewer. E. W. Brey. No. 94,268; Nov. 25; Gaz. vol. 196; p. 1047.
- Dates. U. H. Dudley & Company. No. 90,175; Feb. 11; Gaz. vol. 187; p. 507.
- Dates. U. H. Dudley & Company. No. 90,306; Feb. 18; Gaz. vol. 187; p. 824.
- Dates. U. H. Dudley & Company. No. 90,420; Feb. 25; Gaz. vol. 187; p. 1111.
- Dates. U. H. Dudley & Company. No. 93,236; Aug. 26; Gaz. vol. 193; p. 1013.
- Decorative purposes, Marking devices and rolls for. R. L. Bauman. No. 93,152; Aug. 26; Gaz. vol. 193; p. 1011.
- Dental filling and impression compositions, &c. V. Pappenheim & Co. No. 91,240; Apr. 22; Gaz. vol. 189; p. 1027.
- Dental, medical, and surgical appliances, Certain. Parker, Stearns & Company. No. 91,241; Apr. 22; Gaz. vol. 189; p. 1027.
- Dental, medical, and surgical appliances, Certain. The Seamless Rubber Company. No. 92,724; July 22; Gaz. vol. 192; p. 986.
- Dental, medical, and surgical appliances, Certain named. The Seamless Rubber Company. No. 92,133; June 17; Gaz. vol. 191; p. 828.
- Dental powder. B. H. Kershaw. No. 94,002; Oct. 28; Gaz. vol. 195; p. 1046.
- Dental supplies, Certain named. E. Detrey. No. 94,784; Dec. 30; Gaz. vol. 197; p. 1289.
- Dentifrice. Barclay & Barclay. No. 93,516; Sept. 23; Gaz. vol. 194; p. 947.
- Dentifrice. R. Lich. No. 94,245; Nov. 18; Gaz. vol. 196; p. 801.

Alphabetical list of trade-marks—Continued.

- Dentifrice. The Allan Chemical Co. No. 94,540; Dec. 16; Gaz. vol. 197; p. 777.
- Dentifrices. J. H. Eberhardt. No. 90,102; Feb. 4; Gaz. vol. 187; p. 227.
- Dentifrices. E. Claessens. No. 90,678; Mar. 18; Gaz. vol. 188; p. 803.
- Dentifrices. C. W. Westenfelder. No. 93,620; Sept. 30; Gaz. vol. 194; p. 1138.
- Dentifrices. G. Rosenthal. No. 94,564; Dec. 16; Gaz. vol. 197; p. 778.
- Dentists' moldable material. Claudius Ash Sons and Company. No. 91,544; May 13; Gaz. vol. 190; p. 543.
- Deodorants, antiseptics, and prophylactics. Wm. B. Riker & Son Co. No. 89,951; Jan. 21; Gaz. vol. 186; p. 794.
- Deodorizers. M. J. Barnard & Company. No. 93,324; Sept. 9; Gaz. vol. 194; p. 545.
- Depilatories. Stone, Timlow & Company. No. 94,219; Nov. 11; Gaz. vol. 196; p. 523.
- Depilatory. The To-Kalon Manufacturing Company. No. 91,818; May 27; Gaz. vol. 190; p. 1025.
- Detergent preparation in crystal form. Chase-O Manufacturing Company. No. 94,425; Dec. 9; Gaz. vol. 197; p. 527.
- Detergent, Soluble chemical compound for use as a. The Electric Smelting and Aluminum Company. No. 92,659; July 22; Gaz. vol. 192; p. 984.
- Diaries and calendars. Samuel Ward Company. No. 91,534; May 6; Gaz. vol. 190; p. 262.
- Digestive enzym. Vegetable. Y. Shoten. No. 94,210; Nov. 11; Gaz. vol. 196; p. 523.
- Digestive enzymes. Import Sales Company. No. 91,421; Apr. 29; Gaz. vol. 189; p. 1278.
- Disinfectant. Yevelle Company. No. 90,615; Mar. 4; Gaz. vol. 188; p. 240.
- Disinfectant. K. H. Cederberg. No. 91,673; May 20; Gaz. vol. 190; p. 788.
- Disinfectant. Pearson's Antiseptic Company. No. 93,112; Aug. 19; Gaz. vol. 193; p. 750.
- Disinfectant and antiseptic. Solution. U. Stone. No. 94,567; Dec. 16; Gaz. vol. 197; p. 778.
- Disinfectant and deodorant. Midland Chemical Co. No. 94,389; Dec. 2; Gaz. vol. 197; p. 236.
- Disinfectant and insecticide. Lebanon Chemical Co. No. 94,291; Nov. 25; Gaz. vol. 196; p. 1048.
- Disinfectant, deodorant, germicide, &c. Kar Brak Chemical Company. No. 92,228; June 24; Gaz. vol. 191; p. 1063.
- Disinfectants. The Sawyer Crystal Blue Co. No. 90,746; Mar. 18; Gaz. vol. 188; p. 805.
- Disinfectants. U-Zit Specialties Company. No. 92,600; July 15; Gaz. vol. 192; p. 740.
- Disinfectants and antiseptics. Schülke & Mayr. Nos. 93,037-8; Aug. 12; Gaz. vol. 193; p. 506.
- Disinfectants and deodorizers. G. H. Richard. No. 90,135; Feb. 4; Gaz. vol. 187; p. 228.
- Disinfectants and lice-powder. Dakota Improved Seed Company. No. 90,174; Feb. 11; Gaz. vol. 187; p. 507.
- Disinfectants, deodorizers, and fumigators. The Formacone Company. Nos. 92,548-9; July 15; Gaz. vol. 192; p. 738.
- Disinfectants, deodorizers, and fumigators. The Formacone Company. Nos. 92,663-4; July 22; Gaz. vol. 192; p. 984.
- Disinfectants, deodorizers, germicides, &c. C. O. Snavely & Co. No. 90,593; Mar. 4; Gaz. vol. 188; p. 240.
- Disinfectants, germicide, and deodorizer, Aromatic. Bellevue Chemical Company. No. 91,839; June 3; Gaz. vol. 191; p. 287.
- Display-stands. Superior Brass & Fixture Co. No. 90,662; Mar. 11; Gaz. vol. 188; p. 510.
- Display stands, Oilcloth-. J. L. Mueller. No. 93,107; Aug. 19; Gaz. vol. 193; p. 750.
- Displaying advertising-posters, &c. Machine for. B. B. Bienhoff. No. 93,154; Aug. 26; Gaz. vol. 193; p. 1011.
- Diuretic. Ernst Bischoff Co. No. 92,172; June 24; Gaz. vol. 191; p. 1061.
- Dolls. E. I. Horsman Co. No. 91,346; Apr. 29; Gaz. vol. 189; p. 1276.
- Dolls. The Parsons-Jackson Co. No. 91,997; June 10; Gaz. vol. 191; p. 583.
- Dolls. Northport Novelty Company. No. 92,455; July 8; Gaz. vol. 192; p. 513.
- Dolls. R. O. Wilson. No. 92,611; July 15; Gaz. vol. 192; p. 740.
- Dolls. The Parsons-Jackson Co. Nos. 93,376-7; Sept. 9; Gaz. vol. 194; p. 546.
- Dolls and parts of same. Kämmer & Reinhardt. No. 90,445; Feb. 25; Gaz. vol. 187; p. 1112.
- Dolls and toys. H. B. Claffin Company. No. 94,237; Nov. 18; Gaz. vol. 196; p. 801.
- Doors, Revolving. Van Kannel Revolving Door Company. No. 94,133; Nov. 4; Gaz. vol. 196; p. 271.
- Doors, sash, and moldings. Pacific Mutual Door Company. No. 92,823; July 29; Gaz. vol. 192; p. 1257.
- Doubletrees, singletrees, and neck-yokes. Vehicle Supply Company. No. 90,265; Feb. 11; Gaz. vol. 187; p. 510.
- Douches and hair-drying apparatus, Electric air. Electricitätsgesellschaft "Sanitas" mit beschränkter Haftung. No. 91,179; Apr. 22; Gaz. vol. 189; p. 1026.
- Dragon's blood. Seldner & Enequist. No. 90,061; Jan. 28; Gaz. vol. 186; p. 983.
- Dress-shields. I. B. Kleinert Rubber Company. No. 90,220; Feb. 11; Gaz. vol. 187; p. 509.
- Dress-shields. J. J. Beyerle Mfg. Co. No. 91,291; Apr. 22; Gaz. vol. 189; p. 1029.
- Dress-shields. Deimel Linen Mesh System Company. No. 92,757; July 29; Gaz. vol. 192; p. 1255.
- Dress-shields. Birdsey-Somers Company. No. 92,783; July 29; Gaz. vol. 192; p. 1256.
- Dress-shields. M. Barrow. No. 93,669; Oct. 14; Gaz. vol. 195; p. 533.
- Dress-shields. I. B. Kleinert Rubber Company. No. 93,732; Oct. 14; Gaz. vol. 195; p. 535.
- Dress-shields and kid curlers. Marshall Field & Company. No. 93,087; Aug. 19; Gaz. vol. 193; p. 749.
- Dress-shields, diapers, and bibs. H. P. Rindskopf. Nos. 91,697-8; May 20; Gaz. vol. 190; p. 789.
- Dresses adapted for nurses and housemaids. Henry A. Dix & Sons Company. No. 90,872; Apr. 1; Gaz. vol. 189; p. 247.
- Dresses and dress-waists. Senner & Kaplan Co. No. 91,385; Apr. 29; Gaz. vol. 189; p. 1277.
- Dresses and gowns. Cooper-De Lery Gown Company. No. 91,946; June 10; Gaz. vol. 191; p. 581.
- Dresses and negligees, Ladies' wash-. M. Alshuler Company. No. 94,708; Dec. 30; Gaz. vol. 197; p. 1287.
- Dresses and outer garments. Integrity Garment Mfg. Co. No. 90,337; Feb. 18; Gaz. vol. 187; p. 824.
- Dresses, House-. Baldwin Garment Company. No. 93,322; Sept. 9; Gaz. vol. 194; p. 545.
- Dresses, Ladies'. P. Schlessel. No. 94,492; Dec. 9; Gaz. vol. 197; p. 529.
- Dresses, Ladies', misses', juniors', and children's. Shapiro Bros. No. 94,767; Dec. 30; Gaz. vol. 197; p. 1288.
- Dresses, negligée and flannel shirts. B. Kronthal. No. 93,363; Sept. 9; Gaz. vol. 194; p. 546.
- Dresses, rompers, and overalls. Reliance Manufacturing Company. No. 90,657; Mar. 11; Gaz. vol. 188; p. 510.
- Dresses, underskirts, and petticoats. J. A. Herman. No. 90,887; Apr. 1; Gaz. vol. 189; p. 247.
- Drills, reamers, and milling-cutters. R. Stock & Co. Spiralbohrer-Werkzeug & Maschinenfabrik Aktiengesellschaft. No. 90,756; Mar. 18; Gaz. vol. 188; p. 805.
- Drills, riveting and chipping hammers, Rock-. Ingersoll-Rand Company. Nos. 92,340-1; July 1; Gaz. vol. 192; p. 212.
- Drink made from celery, ginger-ale, and club-soda. L. C. Army. No. 91,634; May 20; Gaz. vol. 190; p. 787.
- Drink of alcoholic liquors, Mixed. E. Aldabé. No. 91,629; May 20; Gaz. vol. 190; p. 787.
- Drink, Plain soft. B. R. Faunce. No. 94,359; Dec. 2; Gaz. vol. 197; p. 235.
- Drinks and the syrup for making the same, Non-alcoholic. Florida Fruit Oil & Extract Co. No. 91,187; Apr. 22; Gaz. vol. 189; p. 1026.
- Drinks, Non-alcoholic. Simpson Spring Company. No. 93,765; Oct. 14; Gaz. vol. 195; p. 536.
- Drop-glasses. Bandekow Gebrüder. No. 90,154; Feb. 11; Gaz. vol. 187; p. 507.
- Duck and canvas, Waterproof. St. Louis Tent, Awning & Fish Net Company. No. 90,933; Apr. 1; Gaz. vol. 189; p. 249.
- Ducks. A. J. Hallock. No. 90,016; Jan. 28; Gaz. vol. 186; p. 982.
- Dust from feathers and cotton, Preparation for the elimination of. Keldust Chemical Company. No. 90,893; Apr. 1; Gaz. vol. 189; p. 248.
- Dust-preventive compound. Sanitary Products Co. No. 93,561; Sept. 23; Gaz. vol. 194; p. 948.
- Dye, Liquid. Sanderson's Tintine Co. No. 90,745; Mar. 18; Gaz. vol. 188; p. 805.
- Dyes. Wells & Richardson Company. No. 91,727; May 20; Gaz. vol. 190; p. 790.
- Dyes. Wells & Richardson Company. No. 92,493; July 8; Gaz. vol. 192; p. 514.
- Dyes and other named chemicals, Anilin. Badische Anilin- & Soda-Fabrik. No. 93,955; Oct. 28; Gaz. vol. 195; p. 1045.
- Dyestuffs. Farbwerke vorm. Meister Lucius & Brüning. No. 91,183; Apr. 22; Gaz. vol. 189; p. 1026.
- Dynamite. Atlas Powder Company. No. 94,583; Dec. 23; Gaz. vol. 197; p. 991.
- Dynamos, driving-gears, switchboards, &c. C. A. Vandervell. No. 90,850; Mar. 25; Gaz. vol. 188; p. 1049.
- Dynamos, motors, &c. Brushes for. H. Reisinger. No. 90,839; Mar. 25; Gaz. vol. 188; p. 1049.
- Eaves-trough hangers. F. D. Kees Mfg. Co. No. 91,583; May 13; Gaz. vol. 190; p. 544.
- Egg-preserving compound. International Preservation Company. No. 89,924; Jan. 21; Gaz. vol. 186; p. 793.
- Egg substitute. The Cabell Co. No. 93,423; Sept. 16; Gaz. vol. 194; p. 739.
- Egg substitute. Fix Manufacturing Co. No. 93,436; Sept. 16; Gaz. vol. 194; p. 740.
- Eggs. G. Bowles. No. 92,394; July 8; Gaz. vol. 192; p. 511.
- Eggs, Chemical product for preserving. Duboux & Rapin. No. 91,418; Apr. 29; Gaz. vol. 189; p. 1278.

Alphabetical list of trade-marks—Continued.

- Electric and gas lighting fixtures, Brass. The Virden Manufacturing Company. No. 90,666; Mar. 11; Gaz. vol. 188; p. 510.
- Electric batteries. T. A. Willard. No. 91,404; Apr. 29; Gaz. vol. 189; p. 1278.
- Electric fan and power motors, exhaust-fans, &c. The Peerless Electric Company. No. 94,027; Oct. 28; Gaz. vol. 195; p. 1047.
- Electric fans. Hyra Fan Company. No. 90,118; Feb. 4; Gaz. vol. 187; p. 228.
- Electric fuse-blocks. Siemens-Schuckertwerke, Gesellschaft mit beschränkter Haftung. No. 91,387; Apr. 29; Gaz. vol. 189; p. 1277.
- Electric generators. Kouyoumjian Electric and Manufacturing Company. No. 94,290; Nov. 25; Gaz. vol. 196; p. 1048.
- Electric-lighting appliances and accessories therefor, Certain. Ehrlich & Graetz. Nos. 94,169-70; Nov. 11; Gaz. vol. 196; p. 521.
- Electric-meter indicating attachment. Chicago Electric Meter Company. No. 90,416; Feb. 25; Gaz. vol. 187; p. 1111.
- Electric meters. The Willis Electric Meter Company. No. 93,057; Aug. 12; Gaz. vol. 193; p. 506.
- Electric motors. Century Electric Company. No. 89,911; Jan. 21; Gaz. vol. 186; p. 793.
- Electric sockets, flush and wall receptacles, and connectors. The Zee Socket & Mfg. Co. No. 90,399; Feb. 18; Gaz. vol. 187; p. 826.
- Electric spark-plugs. Emil Grossman Company. No. 89,920; Jan. 21; Gaz. vol. 186; p. 793.
- Electric spark-plugs. Emil Grossman Company. Nos. 91,476-7; May 6; Gaz. vol. 190; p. 260.
- Electric storage batteries. Rex Battery Co. No. 90,376; Feb. 18; Gaz. vol. 187; p. 826.
- Electric supplies, Certain named. Machen & Mayer Electrical Manufacturing Company. No. 90,356; Feb. 18; Gaz. vol. 187; p. 825.
- Electric switches and switch specialties. The Cutler-Hammer Mfg. Co. Nos. 94,545-6; Dec. 16; Gaz. vol. 197; p. 777.
- Electric wire. Atlantic Insulated Wire & Cable Company. No. 90,088; Feb. 4; Gaz. vol. 187; p. 227.
- Electric wire and cables. The American Brass Company. No. 92,934; Aug. 12; Gaz. vol. 193; p. 503.
- Electrical apparatus. Ozonair Limited. No. 89,945; Jan. 21; Gaz. vol. 186; p. 794.
- Electrical apparatus and accessories, Certain named. Despeissalles & Cie. No. 94,428; Dec. 9; Gaz. vol. 197; p. 527.
- Electrical apparatus and supplies, Certain. M. Dickinson. No. 92,962; Aug. 12; Gaz. vol. 193; p. 504.
- Electrical apparatus and supplies, Certain. Körting & Mathiesen Aktiengesellschaft. No. 93,097; Aug. 19; Gaz. vol. 193; p. 750.
- Electrical apparatus and supplies, Certain named. C. Conradty. Nos. 93,694-5; Oct. 14; Gaz. vol. 195; p. 534.
- Electrical apparatus and supplies, Certain named. Mohawk Electrical Supply Company. No. 93,740; Oct. 14; Gaz. vol. 195; p. 535.
- Electrical apparatus, Certain named. The James Bailey Company. No. 93,956; Oct. 28; Gaz. vol. 195; p. 1045.
- Electrical apparatus, machines, and supplies, Certain. Broit Limited. No. 91,457; May 6; Gaz. vol. 190; p. 259.
- Electrical apparatus, machines, and supplies, Certain. Victor Electric Company. No. 91,530; May 6; Gaz. vol. 190; p. 261.
- Electrical apparatus, machines, and supplies, Certain. Jones Electric Starter Co. No. 92,225; June 24; Gaz. vol. 191; p. 1063.
- Electrical apparatus, machines, and supplies, Certain. Fletcher-Stanley Company. No. 92,414; July 8; Gaz. vol. 192; p. 512.
- Electrical apparatus, machines, and supplies, Certain named. Daimler-Motoren-Gesellschaft. No. 90,874; Apr. 1; Gaz. vol. 189; p. 247.
- Electrical appliances for electric-conduit fittings, &c. Crouse-Hinds Company. No. 90,295; Feb. 18; Gaz. vol. 187; p. 823.
- Electrical connectors and binding-posts. A. K. Sloan. No. 94,122; Nov. 4; Gaz. vol. 196; p. 271.
- Electrical fixtures, Suspension-chains for. F. S. Alden. No. 91,630; May 20; Gaz. vol. 190; p. 787.
- Electrical purposes, Vulcanized fiber goods for. Diamond State Fibre Company. No. 93,267; Sept. 2; Gaz. vol. 194; p. 269.
- Electrical supplies, Certain named. C. Conradty (Inhaber Pauline & Eugen Conradty) Fabrik elektrischer u. galvanischer Kohlen. No. 90,293; Feb. 18; Gaz. vol. 187; p. 823.
- Electricity, Covering non-conductive of. Hutchison Scott Company. No. 92,675; July 22; Gaz. vol. 192; p. 984.
- Electroplated and nickel-silver articles. Berndorf Metal Works Arthur Krupp. No. 91,311; Apr. 29; Gaz. vol. 189; p. 1275.
- Electroplating compound. W. Berkel. No. 91,640; May 20; Gaz. vol. 190; p. 787.
- Elevators and cranes. Craig Ridgway & Son Company. No. 92,958; Aug. 12; Gaz. vol. 193; p. 503.
- Embalming fluid. The De Pree Chemical Company. No. 90,875; Apr. 1; Gaz. vol. 189; p. 247.
- Embroideries. Machenbach Importing Co. No. 94,463; Dec. 9; Gaz. vol. 197; p. 528.
- Embroideries, stamped linens, &c. E. A. Fitch & Son. No. 92,543; July 15; Gaz. vol. 192; p. 738.
- Embroidering, Certain named articles used in. Jacob Frank Mercantile Co. No. 94,520; Dec. 9; Gaz. vol. 197; p. 530.
- Embroidery. Einstein-Wolff Co. No. 93,170; Aug. 26; Gaz. vol. 193; p. 1011.
- Embroidery foundations. G. Reis & Bro. No. 92,468; July 8; Gaz. vol. 192; p. 513.
- Embroidery foundations. G. Reis & Bro. No. 94,532; Dec. 9; Gaz. vol. 197; p. 530.
- Embroidery-hoops. Thomas-Peter Company. No. 93,308; Sept. 2; Gaz. vol. 194; p. 270.
- Enamel. The A. Wilhelm Company. No. 94,140; Nov. 4; Gaz. vol. 196; p. 272.
- Enameled, galvanized, and tin ware. Coonley Mfg. Co. No. 91,462; May 6; Gaz. vol. 190; p. 259.
- Enameled ware. Michigan Enameling Works. No. 92,098; June 17; Gaz. vol. 191; p. 827.
- Enameled ware, Sheet-metal. National Enameling & Stamping Company. No. 91,228; Apr. 22; Gaz. vol. 189; p. 1027.
- Engine self-starters, vehicle tire-holders, and robe-rails. G. & S. Accessory Company. No. 90,772; Mar. 25; Gaz. vol. 188; p. 1047.
- Engines and parts thereof. Power-. Stas-Motor-Gesellschaft m. b. H. No. 93,476; Sept. 16; Gaz. vol. 194; p. 741.
- Engines, carbureters, and silencers, Internal-combustion. J. A. Prestwich. No. 90,737; Mar. 18; Gaz. vol. 188; p. 805.
- Engines, feed-grinders, and pump-jacks, Gas-. Nelson Bros. Co. No. 92,110; June 17; Gaz. vol. 191; p. 827.
- Engines, harvesters, headers, and separators, Traction-. The Best Manufacturing Company. No. 93,330; Sept. 9; Gaz. vol. 194; p. 545.
- Engines, Internal-combustion. Associated Manufacturers' Company. No. 93,320; Sept. 9; Gaz. vol. 194; p. 545.
- Engines, Internal-combustion. Associated Manufacturers' Company. No. 93,412; Sept. 16; Gaz. vol. 194; p. 739.
- Engines, Internal-combustion. The F. W. Spacke Machine Company. No. 93,474; Sept. 16; Gaz. vol. 194; p. 741.
- Engines, Internal-combustion. The Middletown Machine Co. No. 94,651; Dec. 23; Gaz. vol. 197; p. 993.
- Engines, Internal-combustion and steam. Rex Motor Co. No. 90,134; Feb. 4; Gaz. vol. 187; p. 228.
- Engines, Traction-. M. Rumely Company. No. 91,605; May 13; Gaz. vol. 190; p. 545.
- Engines, Traction-. Emerson-Brantingham Company. No. 92,054; June 17; Gaz. vol. 191; p. 825.
- Engraving-machines. The Engravers & Printers Machinery Company. No. 90,104; Feb. 4; Gaz. vol. 187; p. 227.
- Envelops. Bright Manufacturing Company. No. 90,288; Feb. 18; Gaz. vol. 187; p. 823.
- Envelops. Tower Manufacturing & Novelty Co. No. 94,535; Dec. 9; Gaz. vol. 197; p. 530.
- Envelops and writing-paper. Hogan Envelope Company. No. 93,993; Oct. 28; Gaz. vol. 195; p. 1046.
- Envelops, scratch and note pads, and pencils. The Detroit News Company. No. 90,301; Feb. 18; Gaz. vol. 187; p. 823.
- Envelops, writing-paper, and blotters. A. Jarvis. No. 90,540; Mar. 4; Gaz. vol. 188; p. 238.
- Envelops, writing, pencil, drawing, and spelling tablets, and blank books. J. C. Blair Company. No. 90,623; Mar. 11; Gaz. vol. 188; p. 509.
- Essences and oils for making perfumery and tooth-soap. Sociedad Anonima F. Krauch & Co. Société Anonyme. No. 91,914; June 3; Gaz. vol. 191; p. 289.
- Explosives, Chlorate blasting-. J. F. O'Brien. No. 92,113; June 17; Gaz. vol. 191; p. 827.
- Eye-protectors. F. A. Hardy & Company. No. 90,433; Feb. 25; Gaz. vol. 187; p. 1112.
- Eye-wash. G. W. Peavey. No. 91,688; May 20; Gaz. vol. 190; p. 789.
- Eye-water. Howard Bros. Chemical Co. No. 93,599; Sept. 30; Gaz. vol. 194; p. 1137.
- Eyes, Artificial. Standard Optical Co. No. 93,773; Oct. 14; Gaz. vol. 195; p. 536.
- Eyeglass-guards. E. Kirstein Sons Company. No. 92,082; June 17; Gaz. vol. 191; p. 826.
- Eyeglasses and spectacles. H. C. Watts, Incorporated. No. 90,397; Feb. 18; Gaz. vol. 187; p. 826.
- Eyeglasses, spectacles, &c. American Optical Company. No. 90,084; Feb. 4; Gaz. vol. 187; p. 227.
- Eyeglasses, spectacles, lenses, &c. American Optical Company. No. 93,585; Sept. 30; Gaz. vol. 194; p. 1137.
- Fabric composed of paper threads, Woven. Hodges Fiber Carpet Company. No. 89,748; Jan. 7; Gaz. vol. 186; p. 285.
- Fabrics and stockinet, Woven and knit. W. Benger Söhne. No. 94,683; Dec. 23; Gaz. vol. 197; p. 994.
- Fabrics, Certain named textile. Crompton Company. No. 93,264; Sept. 2; Gaz. vol. 194; p. 269.

Alphabetical list of trade-marks—Continued.

- Fabrics, Cut-pile.** Philadelphia Pile Fabric Mills. No. 94,666; Dec. 23; Gaz. vol. 197; p. 994.
- Fabrics, Knitted.** Marinette Knitting Mills. No. 94,527; Dec. 9; Gaz. vol. 197; p. 530.
- Fancy goods, furnishings, and notions.** F. Barth. No. 92,780; July 29; Gaz. vol. 192; p. 1255.
- Fancy goods, furnishings, and notions.** M. Dickinson. No. 93,167; Aug. 26; Gaz. vol. 193; p. 1011.
- Fancy goods, furnishings, and notions.** Certain. G. B. Smith. No. 92,591; July 15; Gaz. vol. 192; p. 739.
- Fancy goods, furnishings, and notions.** Certain named. F. A. Patrick & Company. No. 90,911; Apr. 1; Gaz. vol. 189; p. 248.
- Fancy goods, furnishings, and notions.** Certain named. Liberty & Co. No. 92,086; June 17; Gaz. vol. 191; p. 826.
- Fancy goods, furnishings, and notions.** Certain named. F. W. Maurer & Sons. No. 92,093; June 17; Gaz. vol. 191; p. 827.
- Fasteners and supporters.** Garment. I. Scheinman. No. 92,002; June 10; Gaz. vol. 191; p. 583.
- Fasteners, Snap.** United States Fastener Company. No. 92,015; June 10; Gaz. vol. 191; p. 583.
- Fat-reducing preparation.** H. C. Lederer. No. 93,873; Oct. 21; Gaz. vol. 195; p. 813.
- Faucets.** McKenna Bros. Brass Co. No. 90,719; Mar. 18; Gaz. vol. 188; p. 804.
- Faucets and cocks.** Certain named. The Rickersberg Brass Company. No. 90,743; Mar. 18; Gaz. vol. 188; p. 805.
- Feed-bags.** The Planet Company. No. 91,371; Apr. 29; Gaz. vol. 189; p. 1277.
- Feed, Cattle.** American Hominy Company. No. 90,947; Apr. 8; Gaz. vol. 189; p. 517.
- Feed, Cattle.** The American Cotton Hull & Fibre Company. No. 92,499; July 15; Gaz. vol. 192; p. 737.
- Feed, Chicken.** Ralston Purina Company. No. 90,837; Mar. 25; Gaz. vol. 188; p. 1048.
- Feed, Chicken.** The Larowe Milling Co. No. 91,097; Apr. 15; Gaz. vol. 189; p. 776.
- Feed, Chicken.** J. E. Lawther. No. 93,279; Sept. 2; Gaz. vol. 194; p. 269.
- Feed-detectors and ruling-tables.** Kandle-Born Company. No. 90,348; Feb. 18; Gaz. vol. 187; p. 825.
- Feed for dairy-cattle.** The Larowe Milling Co. No. 90,351; Feb. 18; Gaz. vol. 187; p. 825.
- Feed, Horse and cattle.** J. J. Badenoch Co. No. 92,938; Aug. 12; Gaz. vol. 193; p. 503.
- Feed, Horse and stock.** Chapin & Company. No. 92,533; July 15; Gaz. vol. 192; p. 738.
- Feed, Live-stock.** Valley City Milling Company. No. 93,571; Sept. 23; Gaz. vol. 194; p. 948.
- Feed, Stock.** Omaha Alfalfa Milling Company. No. 90,569; Mar. 4; Gaz. vol. 188; p. 239.
- Feed, Stock.** American Hominy Company. No. 91,542; May 13; Gaz. vol. 190; p. 543.
- Feed, Stock.** Champion Feed Milling Company. No. 92,183; June 24; Gaz. vol. 191; p. 1062.
- Feed, Stock.** American Hominy Company. No. 92,501; July 15; Gaz. vol. 192; p. 737.
- Felt in the piece.** American Felt Company. No. 94,149; Nov. 11; Gaz. vol. 196; p. 521.
- Felt in the piece.** American Felt Company. No. 94,413; Dec. 9; Gaz. vol. 197; p. 527.
- Fence, telegraph, and telephone pole anchors.** Ashland Anchor Co. No. 91,834; June 3; Gaz. vol. 191; p. 287.
- Fencing and fencing material.** Metal. J. H. Downs. No. 89,831; Jan. 14; Gaz. vol. 186; p. 552.
- Fertilizer.** Pacific Bone Coal & Fertilizing Co. No. 89,767; Jan. 7; Gaz. vol. 186; p. 286.
- Fertilizer.** Pacific Bone Coal & Fertilizing Co. No. 90,047; Jan. 23; Gaz. vol. 186; p. 983.
- Fertilizer.** Pacific Bone Coal & Fertilizing Co. No. 91,993; June 10; Gaz. vol. 191; p. 583.
- Fertilizer.** J. E. Tygert Company. No. 92,845; July 29; Gaz. vol. 192; p. 1257.
- Fertilizer.** Pacific Bone Coal & Fertilizing Co. No. 93,016; Aug. 12; Gaz. vol. 193; p. 505.
- Fertilizer.** Mount Pleasant Fertilizer Company. No. 94,391; Dec. 2; Gaz. vol. 197; p. 236.
- Fertilizer, Bone.** Morris & Company. No. 91,008; Apr. 8; Gaz. vol. 189; p. 519.
- Fertilizers.** F. S. Williams. No. 90,078; Jan. 28; Gaz. vol. 186; p. 984.
- Fertilizers.** Pocomoke Guano Company. No. 90,240; Feb. 11; Gaz. vol. 187; p. 509.
- Fertilizers.** The Berkley Chemical Company. Nos. 90,778-9; Mar. 25; Gaz. vol. 188; p. 1047.
- Fertilizers.** Hampton Guano Company. Nos. 90,807-8; Mar. 25; Gaz. vol. 188; p. 1048.
- Fertilizers.** The Imperial Company. Nos. 90,811-13; Mar. 25; Gaz. vol. 188; p. 1048.
- Fertilizers.** Norfolk Fertilizing Company. No. 90,832; Mar. 25; Gaz. vol. 188; p. 1048.
- Fertilizers.** Pocomoke Guano Company. No. 90,835; Mar. 25; Gaz. vol. 188; p. 1048.
- Fertilizers.** American Agricultural Chemical Company. No. 91,149; Apr. 22; Gaz. vol. 189; p. 1025.
- Fertilizers.** The Berkley Chemical Company. No. 91,159; Apr. 22; Gaz. vol. 189; p. 1025.
- Fertilizers.** Hampton Guano Company. No. 91,206; Apr. 22; Gaz. vol. 189; p. 1026.
- Fertilizers.** The Imperial Company. No. 91,217; Apr. 22; Gaz. vol. 189; p. 1027.
- Fertilizers.** American Agricultural Chemical Company. No. 92,160; June 24; Gaz. vol. 191; p. 1061.
- Fertilizers.** American Agricultural Chemical Co. No. 92,862; Aug. 5; Gaz. vol. 193; p. 215.
- Fertilizers.** Industrial Cotton Oil Company. No. 92,988; Aug. 12; Gaz. vol. 193; p. 504.
- Fertilizers.** American Agricultural Chemical Company. No. 93,146; Aug. 26; Gaz. vol. 193; p. 1011.
- Fertilizers.** Consumers Fertilizer Company. No. 93,163; Aug. 26; Gaz. vol. 193; p. 1011.
- Fertilizers.** J. E. Tygert Company. No. 93,395; Sept. 9; Gaz. vol. 194; p. 547.
- Fertilizers.** The American Agricultural Chemical Company. No. 93,514; Sept. 23; Gaz. vol. 194; p. 947.
- Fertilizers.** W. J. Ryan. No. 94,116; Nov. 4; Gaz. vol. 196; p. 271.
- Fertilizing compound.** Dixie Fertilizer Co. No. 92,758; July 29; Gaz. vol. 192; p. 1255.
- Figs, dried fruits, and nuts.** E. D. Day. No. 93,973; Oct. 28; Gaz. vol. 195; p. 1045.
- Files.** Rex File and Saw Company. No. 90,377; Feb. 18; Gaz. vol. 187; p. 826.
- Files.** J. & Riley Carr. No. 92,788; July 29; Gaz. vol. 192; p. 1256.
- Files and rasps.** The Rex File and Saw Company. No. 90,580; Mar. 4; Gaz. vol. 188; p. 239.
- Filing cases and cabinets.** Metallic. General Fireproofing Company. No. 94,367; Dec. 2; Gaz. vol. 197; p. 235.
- Filler, varnish, and lacquer.** Waterproof. J. Adler Gilding Co. No. 94,536; Dec. 16; Gaz. vol. 197; p. 777.
- Films.** Exhibitors Film Service Company. No. 92,328; July 1; Gaz. vol. 192; p. 211.
- Filtering apparatus, refrigerating systems, &c.** Vulkan-Werke Gesellschaft für Brauerei-Bedarf m. b. H. No. 94,408; Dec. 2; Gaz. vol. 197; p. 237.
- Filtering purposes.** Certain chemically-prepared substances for. Seitz-Werke Theo. & Geo. Seitz. No. 92,004; June 10; Gaz. vol. 191; p. 583.
- Filters.** Seitz-Werke Theo. & Geo. Seitz. No. 92,473; July 8; Gaz. vol. 192; p. 513.
- Filters, Water.** Hygeia Filter Company. Nos. 93,533-4; Sept. 23; Gaz. vol. 194; p. 947.
- Filters, Water.** Hygeia Filter Company. No. 94,084; Nov. 4; Gaz. vol. 196; p. 270.
- Fire-extinguisher and the like.** Chemical. The Prospect Manufacturing Company. No. 93,115; Aug. 19; Gaz. vol. 193; p. 750.
- Fire-extinguishers.** G. J. Hamberger. No. 90,415; Feb. 25; Gaz. vol. 187; p. 1111.
- Fire-extinguishers.** W. H. Banfil. No. 90,494; Feb. 25; Gaz. vol. 187; p. 1113.
- Fire-extinguishing compounds.** Pyrene Manufacturing Co. No. 94,667; Dec. 23; Gaz. vol. 197; p. 994.
- Firearm-sights.** F. W. Trounce. No. 89,781; Jan. 7; Gaz. vol. 186; p. 286.
- Firearms.** J. Stevens Arms & Tool Co. Nos. 91,391-2; Apr. 29; Gaz. vol. 189; p. 1277.
- Firearms and parts thereof.** Certain named. The Birmingham Small Arms Company. No. 89,812; Jan. 14; Gaz. vol. 186; p. 551.
- Firearms and supplies therefor.** Certain named. M. H. Dodge. No. 90,304; Feb. 18; Gaz. vol. 187; p. 823.
- Fireproof liquids for treating fabrics.** American Liquid Fire Proofing Company. No. 90,948; Apr. 8; Gaz. vol. 189; p. 517.
- Fireproofing composition material used as a substitute for wood, &c.** B. Sutter. No. 92,010; June 10; Gaz. vol. 191; p. 583.
- Fireworks.** St. Louis Fireworks Co. No. 93,212; Aug. 26; Gaz. vol. 193; p. 1013.
- Fireworks.** E. H. Wagner. No. 93,572; Sept. 23; Gaz. vol. 194; p. 948.
- Fireworks.** E. H. Wagner. No. 94,036; Oct. 28; Gaz. vol. 195; p. 1047.
- Fish, Flaked cod.** Robinson Fisheries Co. No. 92,263; June 24; Gaz. vol. 191; p. 1064.
- Fish-hooks.** C. H. Stapf. No. 93,613; Sept. 30; Gaz. vol. 194; p. 1138.
- Fish-lines.** L. A. Burnham. No. 92,178; June 24; Gaz. vol. 191; p. 1061.
- Fish, Salted cod.** Sylvanus Smith & Co. No. 90,757; Mar. 18; Gaz. vol. 188; p. 805.
- Fishing-bait, Spoon.** W. T. J. Lowe. No. 94,096; Nov. 4; Gaz. vol. 196; p. 270.
- Fishing-tackle.** H. J. Frost & Company. No. 90,427; Feb. 25; Gaz. vol. 187; p. 1111.
- Fishing-tackle.** C. H. Kewell. No. 90,447; Feb. 25; Gaz. vol. 187; p. 1112.
- Fishing-tackle.** H. J. Frost & Company. Nos. 91,191-2; Apr. 22; Gaz. vol. 189; p. 1026.
- Flannel and woolen piece goods.** D. W. Farnsworth. No. 94,725; Dec. 30; Gaz. vol. 197; p. 1287.
- Flat, hollow, and table ware.** Certain. Bennett-Merwin Silver Company. No. 91,548; May 13; Gaz. vol. 190; p. 543.
- Flat-irons.** Wing Manufacturing Company. No. 90,278; Feb. 11; Gaz. vol. 187; p. 510.

Alphabetical list of trade-marks—Continued.

- Flavoring extracts. Pereira & Pereira. No. 91,512; May 6; Gaz. vol. 190; p. 261.
- Flavoring extracts. The D. B. McCurdy Company. No. 91,783; May 27; Gaz. vol. 190; p. 1024.
- Flavoring extracts and concentrated syrups for making non-alcoholic beverages. Christo Mfg. Company. No. 91,320; Apr. 29; Gaz. vol. 189; p. 1275.
- Flavoring extracts for syrups. Lainfiesta & Co. No. 94,006; Oct. 28; Gaz. vol. 195; p. 1046.
- Flavoring extracts, macaroni, peanut-butter, olives, and spices. Courtney & Co. No. 89,990; Jan. 28; Gaz. vol. 186; p. 981.
- Flavoring extracts, rice, wheat-flour, &c. Oklahoma Supply Co. No. 93,895; Oct. 21; Gaz. vol. 195; p. 814.
- Flavoring extracts, syrups, and ingredients for use in beverages. National Fruit Products Co. No. 90,044; Jan. 28; Gaz. vol. 186; p. 983.
- Flavoring extracts, tea, and coffee. The Heekin Spice Company. No. 91,662; May 20; Gaz. vol. 190; p. 788.
- Flavoring for cake-icings, Combination of. S. Gumpert & Co. No. 93,846; Oct. 21; Gaz. vol. 195; p. 812.
- Floor and furniture polish. The Varn-O-Wax and Oil Company. No. 94,507; Dec. 9; Gaz. vol. 197; p. 530.
- Floor and wall coverings. United Roofing and Manufacturing Co. No. 91,142; Apr. 15; Gaz. vol. 189; p. 777.
- Floor and wall coverings. United Roofing and Manufacturing Co. No. 91,431; Apr. 29; Gaz. vol. 189; p. 1279.
- Floor and wall coverings. United Roofing and Manufacturing Co. No. 91,620; May 13; Gaz. vol. 190; p. 545.
- Floor-covering. Ford Manufacturing Company. No. 90,107; Feb. 4; Gaz. vol. 187; p. 227.
- Floor-covering. National Wood Reproducing Company. No. 92,109; June 17; Gaz. vol. 191; p. 827.
- Floor-covering similar to linoleum. The Ringwalt Linoleum Works. No. 90,380; Feb. 18; Gaz. vol. 187; p. 826.
- Floor-coverings of waterproofed fibrous material. Palruba Manufacturing Company. No. 94,198; Nov. 11; Gaz. vol. 196; p. 522.
- Floor-dressing. Adams & Elting Company. No. 92,495; July 15; Gaz. vol. 192; p. 737.
- Floors of reinforced concrete, Hollow. The Concrete Flooring Company. No. 93,692; Oct. 14; Gaz. vol. 195; p. 534.
- Flooring construction. Acme Supply Company. No. 89,788; Jan. 14; Gaz. vol. 186; p. 551.
- Flooring, wainscoting, stairs, and newels. Flexotile Floor Company. No. 93,344; Sept. 9; Gaz. vol. 194; p. 545.
- Flooring, Wood. Salt Lick Lumber Co. No. 91,036; Apr. 8; Gaz. vol. 189; p. 519.
- Flooring, Wooden. Mitchell Brothers Company. No. 90,457; Feb. 25; Gaz. vol. 187; p. 1112.
- Floorings and stair-treads, Metallic rubber-covered. Elchemco Manufacturing Co. No. 92,199; June 24; Gaz. vol. 191; p. 1062.
- Floss, Embroidery. Fishel & Gorman. No. 91,564; May 13; Gaz. vol. 190; p. 543.
- Flour. The Cleveland Milling Co. No. 89,816; Jan. 14; Gaz. vol. 186; p. 551.
- Flour. Van Alstyne & Co. No. 89,894; Jan. 14; Gaz. vol. 186; p. 554.
- Flour. Russell-Miller Milling Company. No. 91,380; Apr. 29; Gaz. vol. 189; p. 1277.
- Flour and breakfast cereal, Wheat. The Husler Milling & Elevator Company. No. 90,335; Feb. 18; Gaz. vol. 187; p. 824.
- Flour and cornmeal, Wheat. Plansifter Milling Company. No. 92,457; July 8; Gaz. vol. 192; p. 513.
- Flour, Compound of wheat, corn, and buckwheat. Pleser Livingston Company. No. 90,051; Jan. 28; Gaz. vol. 186; p. 983.
- Flour, Graham. Valley City Milling Company. No. 92,485; July 8; Gaz. vol. 192; p. 514.
- Flour, Graham. Nashville Roller Mills. No. 93,640; Oct. 7; Gaz. vol. 195; p. 271.
- Flour-mills. Anglo-American Mill Co. No. 93,147; Aug. 26; Gaz. vol. 193; p. 1011.
- Flour, Pancake. The Davis Milling Company. No. 90,516; Mar. 4; Gaz. vol. 188; p. 237.
- Flour, Prepared doughnut compound. The Cabell Company. No. 92,180; June 24; Gaz. vol. 191; p. 1061.
- Flour, Self-raising Graham pancake. Union Roller Milling Co. No. 94,698; Dec. 23; Gaz. vol. 197; p. 994.
- Flour, Self-raising. C. A. Gambrell Mfg. Co. No. 92,976; Aug. 12; Gaz. vol. 192; p. 504.
- Flour, Self-raising. H. C. Cole Milling Co. No. 93,969; Oct. 28; Gaz. vol. 195; p. 1045.
- Flour, Self-raising buckwheat. Northern Light Milling Co. No. 91,686; May 20; Gaz. vol. 190; p. 788.
- Flour, Self-raising wheat. Home Mill & Grain Co. No. 91,770; May 27; Gaz. vol. 190; p. 1024.
- Flour, Self-raising wheat. Akin-Erskine Milling Co. No. 93,406; Sept. 16; Gaz. vol. 194; p. 739.
- Flour, Spring-wheat. J. Grossman. No. 90,987; Apr. 8; Gaz. vol. 189; p. 518.
- Flour, Wheat. C. H. Bellman & Sons. No. 89,811; Jan. 14; Gaz. vol. 186; p. 551.
- Flour, Wheat. Steeleville Milling Co. No. 89,887; Jan. 14; Gaz. vol. 186; p. 554.
- Flour, Wheat. Wells-Abbott-Nieman Co. No. 90,070; Jan. 28; Gaz. vol. 186; p. 984.
- Flour, Wheat. Fisher Flouring Mills Company. Nos. 90,182-6; Feb. 11; Gaz. vol. 187; pp. 507-8.
- Flour, Wheat. Galban & Co. No. 90,189; Feb. 11; Gaz. vol. 187; p. 508.
- Flour, Wheat. Hecker-Jones-Jewell Milling Company. No. 90,203; Feb. 11; Gaz. vol. 187; p. 508.
- Flour, Wheat. Waterloo Milling Company. Nos. 90,268-9; Feb. 11; Gaz. vol. 187; p. 510.
- Flour, Wheat. Fisher Flouring Mills Company. Nos. 90,316-17; Feb. 18; Gaz. vol. 187; p. 824.
- Flour, Wheat. The Emery Thierwechter Co. No. 90,422; Feb. 25; Gaz. vol. 187; p. 1111.
- Flour, Wheat. Valier & Spies Milling Co. No. 90,484; Feb. 25; Gaz. vol. 187; p. 1113.
- Flour, Wheat. The Puget Sound Flouring Mills Company. Nos. 90,655-6; Mar. 11; Gaz. vol. 188; p. 510.
- Flour, Wheat. Valier & Spiess Milling Co. No. 90,665; Mar. 11; Gaz. vol. 188; p. 510.
- Flour, Wheat. Atlantic Maritime Company. No. 90,671; Mar. 18; Gaz. vol. 188; p. 803.
- Flour, Wheat. Black Bros. No. 90,675; Mar. 18; Gaz. vol. 188; p. 803.
- Flour, Wheat. Empire State Flour Mills. No. 90,876; Apr. 1; Gaz. vol. 189; p. 247.
- Flour, Wheat. R. E. Kidder. No. 90,894; Apr. 1; Gaz. vol. 189; p. 248.
- Flour, Wheat. A. H. Brown & Bros. No. 90,962; Apr. 8; Gaz. vol. 189; p. 517.
- Flour, Wheat. Fisher Flouring Mills Company. No. 90,977; Apr. 8; Gaz. vol. 189; p. 518.
- Flour, Wheat. J. F. Imbs Milling Company. No. 90,993; Apr. 8; Gaz. vol. 189; p. 518.
- Flour, Wheat. Liberty Mills. No. 90,999; Apr. 8; Gaz. vol. 189; p. 518.
- Flour, Wheat. The Puget Sound Flouring Mills Company. No. 91,030; Apr. 8; Gaz. vol. 189; p. 519.
- Flour, Wheat. United Flour Mills Co. No. 91,049; Apr. 8; Gaz. vol. 189; p. 520.
- Flour, Wheat. The Cowgill & Hill Milling Co. No. 91,077; Apr. 15; Gaz. vol. 189; p. 775.
- Flour, Wheat. United Flour Mills Co. No. 91,141; Apr. 25; Gaz. vol. 189; p. 777.
- Flour, Wheat. Kimball Flour Co. No. 91,353; Apr. 29; Gaz. vol. 189; p. 1276.
- Flour, Wheat. W. Norton & Co. No. 91,367; Apr. 29; Gaz. vol. 189; p. 1277.
- Flour, Wheat. Callam Mills. No. 91,458; May 6; Gaz. vol. 190; p. 259.
- Flour, Wheat. New Prague Flouring Mill Company. No. 91,507; May 6; Gaz. vol. 190; p. 261.
- Flour, Wheat. G. G. Stubblefield. No. 91,523; May 6; Gaz. vol. 190; p. 261.
- Flour, Wheat. The Portland Flouring Mills Company. No. 91,601; May 13; Gaz. vol. 190; p. 544.
- Flour, Wheat. Crown Mills Company. No. 91,649; May 20; Gaz. vol. 190; p. 787.
- Flour, Wheat. McDonald Milling Company. No. 91,784; May 27; Gaz. vol. 190; p. 1024.
- Flour, Wheat. Valier & Spies Milling Co. No. 91,822; May 27; Gaz. vol. 190; p. 1025.
- Flour, Wheat. Holt & Company. No. 91,873; June 3; Gaz. vol. 191; p. 288.
- Flour, Wheat. The Grafton Roller Mill Co. No. 92,068; June 17; Gaz. vol. 191; p. 826.
- Flour, Wheat. Hunter Milling Company. No. 92,077; June 17; Gaz. vol. 191; p. 826.
- Flour, Wheat. Lexington Mill & Elevator Co. No. 92,240; June 24; Gaz. vol. 191; p. 1063.
- Flour, Wheat. W. B. Fair. No. 92,329; July 1; Gaz. vol. 192; p. 211.
- Flour, Wheat. Fisher Flouring Mills Company. No. 92,330; July 1; Gaz. vol. 192; p. 211.
- Flour, Wheat. J. F. Imbs Milling Company. No. 92,338; July 1; Gaz. vol. 192; p. 212.
- Flour, Wheat. Wm. Pollock Milling & Elevator Co. No. 92,360; July 1; Gaz. vol. 192; p. 212.
- Flour, Wheat. Rea & Page Milling Co. No. 92,364; July 1; Gaz. vol. 192; p. 212.
- Flour, Wheat. Roberts Brothers. No. 92,367; July 1; Gaz. vol. 192; p. 212.
- Flour, Wheat. Woolcott Milling Company. No. 92,382; July 1; Gaz. vol. 192; p. 213.
- Flour, Wheat. United Flour Mills Co. No. 92,481; July 8; Gaz. vol. 192; p. 514.
- Flour, Wheat. J. H. Cain & Sons. No. 92,531; July 15; Gaz. vol. 192; p. 738.
- Flour, Wheat. Ellsworth Mill & Elevator Co. No. 92,541; July 15; Gaz. vol. 192; p. 738.
- Flour, Wheat. The Imperial Mill Company. No. 92,559; July 15; Gaz. vol. 192; p. 739.
- Flour, Wheat. Lake of the Woods Milling Company. Nos. 92,563-4; July 15; Gaz. vol. 192; p. 739.
- Flour, Wheat. Roberts Brothers. No. 92,580; July 15; Gaz. vol. 192; p. 739.
- Flour, Wheat. Fisher Flouring Mills Company. Nos. 92,762-4; July 29; Gaz. vol. 192; p. 1255.

Alphabetical list of trade-marks—Continued.

- Flour, Wheat-. Lexington Flouring Mills. No. 92,806; July 29; Gaz. vol. 192; p. 1256.
- Flour, Wheat-. Maney Milling Company. No. 92,809; July 29; Gaz. vol. 192; p. 1256.
- Flour, Wheat-. New Prague Flouring Mill Company. No. 92,820; July 29; Gaz. vol. 192; p. 1257.
- Flour, Wheat-. Valier & Spies Milling Co. No. 92,848; July 29; Gaz. vol. 192; p. 1257.
- Flour, Wheat-. W. M. Galt & Co. No. 92,975; Aug. 12; Gaz. vol. 193; p. 504.
- Flour, Wheat-. Zirnheld Flour Company. No. 93,252; Aug. 26; Gaz. vol. 193; p. 1014.
- Flour, Wheat-. J. A. Walter Milling Co. No. 93,314; Sept. 2; Gaz. vol. 194; p. 271.
- Flour, Wheat-. W. M. Galt & Co. No. 93,347; Sept. 16; Gaz. vol. 194; p. 740.
- Flour, Wheat-. Cadick Milling Company. No. 93,424; Sept. 16; Gaz. vol. 194; p. 739.
- Flour, Wheat-. Wm. Alten Co. No. 93,512; Sept. 23; Gaz. vol. 194; p. 947.
- Flour, Wheat-. Arkadelphia Milling Co. No. 93,804; Oct. 21; Gaz. vol. 195; p. 811.
- Flour, Wheat-. J. F. Imbs Milling Company. No. 93,856; Oct. 21; Gaz. vol. 195; p. 812.
- Flour, Wheat-. Pillsbury Flour Mills Company. No. 93,904; Oct. 21; Gaz. vol. 195; p. 814.
- Flour, Wheat-. Valier & Spies Milling Co. No. 93,940; Oct. 21; Gaz. vol. 195; p. 815.
- Flour, Wheat-. Centennial Mill Co. No. 93,965; Oct. 28; Gaz. vol. 195; p. 1045.
- Flour, Wheat-. H. Cohen. No. 93,968; Oct. 28; Gaz. vol. 195; p. 1045.
- Flour, Wheat-. R. T. Smyth & Co. No. 94,033; Oct. 28; Gaz. vol. 195; p. 1047.
- Flour, Wheat-. The Acme Milling Company. No. 94,144; Nov. 11; Gaz. vol. 196; p. 521.
- Flour, Wheat-. J. Frank. No. 94,173; Nov. 11; Gaz. vol. 196; p. 522.
- Flour, Wheat-. Potter & Wrightington. No. 94,200; Nov. 11; Gaz. vol. 196; p. 522.
- Flour, Wheat-. Hecker - Jones - Jewell Milling Company. No. 94,375; Dec. 2; Gaz. vol. 197; p. 236.
- Flour, Wheat-. J. H. Brower. No. 94,596; Dec. 23; Gaz. vol. 197; p. 991.
- Flour, Wheat-. Fisher Flouring Mills Company. No. 94,624; Dec. 23; Gaz. vol. 197; p. 992.
- Flour, Wheat and buckwheat. Oneida Milling Corporation. No. 90,651; Mar. 11; Gaz. vol. 188; p. 510.
- Flower-holders, humidors, match-safes, &c. C. Proescher. No. 92,260; June 24; Gaz. vol. 191; p. 1064.
- Flowers, Artificial. Austro-Hungarian Art Co. No. 93,662; Oct. 14; Gaz. vol. 195; p. 533.
- Flowers, plants, and feathers, Artificial. L. Prager. No. 92,122; June 17; Gaz. vol. 191; p. 827.
- Fly and insect killer. T. W. Mason. No. 93,371; Sept. 9; Gaz. vol. 194; p. 546.
- Fly-catching devices. The I Got Him Co. No. 90,026; Jan. 28; Gaz. vol. 186; p. 982.
- Fly-catching devices. Brown Manufacturing Company. No. 91,943; June 10; Gaz. vol. 191; p. 581.
- Fly-glue. Chemische Fabrik Ara. No. 90,792; Mar. 25; Gaz. vol. 188; p. 1047.
- Flying-machines, aeroplanes, monoplanes, &c. Daimler-Motoren-Gesellschaft. No. 94,066; Nov. 4; Gaz. vol. 196; p. 269.
- Food beverage. The Harris & Pollard Dehydrated Products Co. No. 93,240; Aug. 26; Gaz. vol. 193; p. 1013.
- Food, Bird. F. Kaempfer. No. 91,580; May 13; Gaz. vol. 190; p. 544.
- Food caramels, Milk-. Ungemach A. G. Els. Conserven-Fabrik & Import-Gesellschaft. No. 92,290; June 24; Gaz. vol. 191; p. 1065.
- Food, Cereal breakfast. Morgan Milling Company. No. 90,459; Feb. 25; Gaz. vol. 187; p. 1112.
- Food, Cereal breakfast. Seaboard Rice Milling Co. No. 92,589; July 15; Gaz. vol. 192; p. 739.
- Food, Cereal breakfast. The Colorado Sanitarium Food Company. No. 92,954; Aug. 12; Gaz. vol. 193; p. 503.
- Food, Cereal breakfast. The Colorado Sanitarium Food Company. No. 93,231; Aug. 26; Gaz. vol. 193; p. 1013.
- Food, Cereal breakfast. The Colorado Sanitarium Food Company. No. 94,599; Dec. 23; Gaz. vol. 197; p. 992.
- Food drink. Dr. A. Wander, A-G. No. 93,650; Oct. 7; Gaz. vol. 195; p. 271.
- Food for animals and poultry. A. Hartley. No. 92,980; Aug. 12; Gaz. vol. 193; p. 504.
- Food, Medicinal. Y. T. Matzoon Company. No. 94,190; Nov. 11; Gaz. vol. 196; p. 522.
- Food, Poultry and chick. Jameson, Hevener & Griggs. No. 90,640; Mar. 11; Gaz. vol. 188; p. 509.
- Food products, Certain ingredients used in. The Preservative Manufacturing Co. No. 91,372; Apr. 29; Gaz. vol. 189; p. 1277.
- Food, rolled oats, and cornmeal, Breakfast. The Waseca Co-Operative Milling Co. No. 90,941; Apr. 1; Gaz. vol. 189; p. 249.
- Food, Stock. The Larrowe Milling Co. No. 90,899; Apr. 1; Gaz. vol. 189; p. 248.
- Food, Stock. Somers & Co. No. 90,932; Apr. 1; Gaz. vol. 189; p. 249.
- Foods and lemon flavoring extract, Certain named. W. E. Scannell. No. 90,246; Feb. 11; Gaz. vol. 187; p. 509.
- Foods, Breakfast. Albany Milling Company. No. 92,776; July 29; Gaz. vol. 192; p. 1255.
- Foods, Cereal breakfast. H. Gould Company. No. 90,194; Feb. 11; Gaz. vol. 187; p. 508.
- Foods, Cereal breakfast. Dakota Cereal Company. No. 90,970; Apr. 8; Gaz. vol. 189; p. 517.
- Foods, Cereal breakfast. H. Gould Company. No. 91,086; Apr. 15; Gaz. vol. 189; p. 775.
- Foods, Certain. Pratt-Low Preserving Co. No. 92,911; Aug. 5; Gaz. vol. 193; p. 216.
- Foods, Certain. C. Ulrichsen. No. 93,050; Aug. 12; Gaz. vol. 193; p. 506.
- Foods, Certain. Direct Importing Company. No. 93,235; Aug. 26; Gaz. vol. 193; p. 1013.
- Foods, Certain. P. C. Lemy. No. 93,281; Sept. 2; Gaz. vol. 194; p. 270.
- Foods, Certain. Mason, Sanborn & Ramsdell Co. No. 93,283; Sept. 2; Gaz. vol. 194; p. 270.
- Foods, Certain. Meyer & Lange. No. 93,885; Oct. 21; Gaz. vol. 195; p. 813.
- Foods, Certain named. W. H. Clarke. No. 89,987; Jan. 28; Gaz. vol. 186; p. 981.
- Foods, Certain named. Austin, Nichols & Co. No. 90,153; Feb. 11; Gaz. vol. 187; p. 507.
- Foods, Certain named. Gordon, Sewall & Company. No. 90,193; Feb. 11; Gaz. vol. 187; p. 508.
- Foods, Certain named. O. Karp & Son. No. 90,218; Feb. 11; Gaz. vol. 187; p. 508.
- Foods, Certain named. King, Ragland & Co. No. 90,219; Feb. 11; Gaz. vol. 187; p. 509.
- Foods, Certain named. The Kroger Grocery & Baking Co. No. 90,221; Feb. 11; Gaz. vol. 187; p. 509.
- Foods, Certain named. Rust-Parker-Martin Company. No. 90,245; Feb. 11; Gaz. vol. 187; p. 509.
- Foods, Certain named. Hargreaves Merc. Co. No. 90,434; Feb. 25; Gaz. vol. 187; p. 1112.
- Foods, Certain named. Texas Consumers Co. No. 90,477; Feb. 25; Gaz. vol. 187; p. 1113.
- Foods, Certain named. John Sexton & Company. No. 90,591; Mar. 4; Gaz. vol. 188; p. 240.
- Foods, Certain named. Morris Grocery Company. No. 90,649; Mar. 11; Gaz. vol. 188; p. 510.
- Foods, Certain named. Hulman & Co. No. 90,890; Apr. 1; Gaz. vol. 189; p. 248.
- Foods, Certain named. The Morey Mercantile Company. No. 90,906; Apr. 1; Gaz. vol. 189; p. 248.
- Foods, Certain named. American Beet Sugar Company. No. 90,946; Apr. 8; Gaz. vol. 189; p. 517.
- Foods, Certain named. Franklin MacVeagh & Company. Nos. 91,000-1; Apr. 8; Gaz. vol. 189; p. 518.
- Foods, Certain named. B. M. Shipman Co. No. 91,041; Apr. 8; Gaz. vol. 189; p. 520.
- Foods, Certain named. Consolidated Grocery Company. No. 91,076; Apr. 15; Gaz. vol. 189; p. 775.
- Foods, Certain named. Gordon, Sewall & Company. No. 91,085; Apr. 15; Gaz. vol. 189; p. 775.
- Foods, Certain named. Henry Horner & Co. No. 91,094; Apr. 15; Gaz. vol. 189; p. 776.
- Foods, Certain named. T. Kelly. No. 91,095; Apr. 15; Gaz. vol. 189; p. 776.
- Foods, Certain named. O. F. Mayer & Bro. No. 91,104; Apr. 15; Gaz. vol. 189; p. 776.
- Foods, Certain named. E. R. Pahl & Co. No. 91,239; Apr. 22; Gaz. vol. 189; p. 1027.
- Foods, Certain named. The Morey Mercantile Company. No. 91,364; Apr. 29; Gaz. vol. 189; p. 1277.
- Foods, Certain named. Nalley Grocery Co. No. 91,365; Apr. 29; Gaz. vol. 189; p. 1277.
- Foods, Certain named. F. W. Schuster & Co. No. 91,383; Apr. 29; Gaz. vol. 189; p. 1277.
- Foods, Certain named. Austin, Nichols & Co. No. 91,450; May 6; Gaz. vol. 190; p. 259.
- Foods, Certain named. J. F. Humphreys and Co. No. 91,488; May 6; Gaz. vol. 190; p. 260.
- Foods, Certain named. Sherer-Gillett Company. No. 91,517; May 6; Gaz. vol. 190; p. 261.
- Foods, Certain named. Winston, Harper, Fisher Company. No. 91,537; May 6; Gaz. vol. 190; p. 262.
- Foods, Certain named. W. H. Crawford Co. No. 91,648; May 20; Gaz. vol. 190; p. 787.
- Foods, Certain named. Lutey Bros. Nos. 91,780-2; May 27; Gaz. vol. 190; p. 1024.
- Foods, Certain named. Allen Brothers Company. No. 91,831; June 3; Gaz. vol. 191; p. 287.
- Foods, Certain named. Franklin MacVeagh & Company. No. 92,348; July 1; Gaz. vol. 192; p. 212.
- Foods, Certain named. The California Fruit Exchange. No. 92,532; July 15; Gaz. vol. 192; p. 738.
- Foods, Certain named. O. R. Pieper. No. 92,709; July 22; Gaz. vol. 192; p. 985.
- Foods, Certain named. A. L. Mock. No. 92,817; July 29; Gaz. vol. 192; p. 1257.
- Foods, Certain named. Western Grocer Company. No. 92,855; July 29; Gaz. vol. 192; p. 1258.
- Foods, Certain named. L. Zander. No. 92,860; July 29; Gaz. vol. 192; p. 1258.
- Foods, Certain named. H. Diederichsen & Co. No. 92,963; Aug. 12; Gaz. vol. 193; p. 504.

Alphabetical list of trade-marks—Continued.

- Foods, Certain named. Groneweg & Schoentgen Co. No. 92,977; Aug. 12; Gaz. vol. 193; p. 504.
- Foods, Certain named. Laser Grain Company. No. 92,999; Aug. 12; Gaz. vol. 193; p. 505.
- Foods, Certain named. The A. Sander Packing Company. No. 93,119; Aug. 19; Gaz. vol. 193; p. 750.
- Foods, Certain named. Oakford and Fahnestock. No. 93,246; Aug. 26; Gaz. vol. 193; p. 1014.
- Foods, Certain named. F. H. Bennett Biscuit Company. No. 93,417; Sept. 16; Gaz. vol. 194; p. 739.
- Foods, Certain named. Haas-Lieber Grocery Company. No. 93,439; Sept. 16; Gaz. vol. 194; p. 740.
- Foods, Certain named. H. L. Handy. No. 93,441; Sept. 16; Gaz. vol. 194; p. 740.
- Foods, Certain named. Rowntree and Company. No. 93,644; Oct. 7; Gaz. vol. 195; p. 271.
- Foods, Certain named. Klauber Wangenheim Co. No. 93,731; Oct. 14; Gaz. vol. 195; p. 535.
- Foods, Certain named. Meyer & Lange. No. 93,739; Oct. 14; Gaz. vol. 195; p. 535.
- Foods, Certain named. Fleming & Christian Co. No. 93,839; Oct. 21; Gaz. vol. 195; p. 812.
- Foods, Certain named. John F. Latta Company. No. 94,007; Oct. 28; Gaz. vol. 195; p. 1046.
- Foods, Certain named. Muller Bros. No. 94,019; Oct. 28; Gaz. vol. 195; p. 1047.
- Foods, Certain named. Nave McCord Mercantile Co. No. 94,021; Oct. 28; Gaz. vol. 195; p. 1047.
- Foods, Certain named. The R. T. French Company. No. 94,174; Nov. 11; Gaz. vol. 196; p. 522.
- Foods, Certain named. Bessire & Company. No. 94,266; Nov. 25; Gaz. vol. 196; p. 1047.
- Foods, Certain named. F. MacVeagh & Company. No. 94,648; Dec. 23; Gaz. vol. 197; p. 993.
- Foods, Preparation for the production of certain named. W. H. Hipolite. No. 91,871; June 3; Gaz. vol. 191; p. 288.
- Foot-arch supports. J. H. Smith. No. 91,912; June 3; Gaz. vol. 191; p. 289.
- Foot-coverings manufactured of certain named materials. Certain named. The Stork Company. No. 90,254; Feb. 11; Gaz. vol. 187; p. 510.
- Forgings and castings, Certain named metal. Fried. Krupp, Aktiengesellschaft, Grusonwerk. No. 89,837; Jan. 14; Gaz. vol. 186; p. 552.
- Forms. Dress. Hall-Borchert Dress Form Co. No. 90,883; Apr. 1; Gaz. vol. 189; p. 247.
- Forms. Dress. C. A. Ufford. No. 91,918; June 3; Gaz. vol. 191; p. 289.
- Forms. Dress. Majestic Dress Form Company. No. 92,901; Aug. 5; Gaz. vol. 193; p. 216.
- Forms. Dress. Ellanam Dress Form Co. No. 94,072; Nov. 4; Gaz. vol. 196; p. 270.
- Fruit, Fresh. T. F. Nevins. No. 91,506; May 6; Gaz. vol. 190; p. 261.
- Fruit preserves and jams. Corn Products Refining Company. No. 91,323; Apr. 29; Gaz. vol. 189; p. 1275.
- Fruits and raisins, Dried. C. G. Bonner. No. 93,629; Oct. 7; Gaz. vol. 195; p. 271.
- Fruits, Certain named citrus. Emporia Citrus Growers Association. Nos. 91,330-1; Apr. 29; Gaz. vol. 189; p. 1276.
- Fruits, Citrus. Fort Myers Citrus Growers Association. No. 92,550; July 15; Gaz. vol. 192; p. 738.
- Fruits, Citrus. W. H. Cook. No. 93,232; Aug. 26; Gaz. vol. 193; p. 1013.
- Fruits, Citrus. Mt. Dora Citrus Growers Association. No. 93,744; Oct. 14; Gaz. vol. 195; p. 535.
- Fruits, Dried. California Fruit Cannery Association. No. 94,162; Nov. 11; Gaz. vol. 196; p. 521.
- Fruits, Fresh. H. N. Nichols. No. 94,022; Oct. 28; Gaz. vol. 195; p. 1047.
- Fruits, Fresh deciduous. Fresno Fruit Growers Co. No. 94,280; Nov. 25; Gaz. vol. 196; p. 1047.
- Fuel compound for explosive-engines. The Inter-Lube Chemical Company. No. 93,726; Oct. 14; Gaz. vol. 195; p. 535.
- Fuel for machinery and vehicles, Motor-. Cornplanter Refining Company. No. 92,956; Aug. 12; Gaz. vol. 193; p. 503.
- Fumigating, deodorizing, and disinfecting preparations, Appliances and apparatus for. "Sanitas" Company. No. 90,660; Mar. 11; Gaz. vol. 188; p. 510.
- Fur, Imitation. Philip Brous Company. No. 93,332; Sept. 9; Gaz. vol. 194; p. 545.
- Fur wearing-apparel. Kohn & Baer. No. 93,870; Oct. 21; Gaz. vol. 195; p. 813.
- Furnace-stokers and chain-grates. P. L. Crowe. No. 92,048; June 17; Gaz. vol. 191; p. 825.
- Furnaces. Haynes-Langenberg Manufacturing Company. No. 91,869; June 3; Gaz. vol. 191; p. 288.
- Furnaces. W. S. Rockwell Co. No. 91,901; June 3; Gaz. vol. 191; p. 289.
- Furnaces. The XXth Century Heating & Ventilating Company. No. 92,930; Aug. 5; Gaz. vol. 193; p. 217.
- Furnaces, gas-benches, retorts, &c. The Improved Equipment Company. No. 91,350; Apr. 29; Gaz. vol. 189; p. 1276.
- Furnaces, gas-heaters, clothes-driers, &c. The Mannen & Esterly Co. No. 93,190; Aug. 26; Gaz. vol. 193; p. 1012.
- Furnishings and notions, Certain named. M. Gerhardt. No. 90,984; Apr. 8; Gaz. vol. 189; p. 518.
- Furnishings and notions, Certain named. M. Gerhardt. No. 91,293; Apr. 22; Gaz. vol. 189; p. 1029.
- Furniture and upholstery, Certain named. Daimler-Motoren-Gesellschaft. No. 91,951; June 10; Gaz. vol. 191; p. 581.
- Furniture and upholstery, Certain named. Koken Barbers' Supply Co. No. 92,233; June 24; Gaz. vol. 191; p. 1063.
- Furniture, automobile-body, and floor polish. Dryola Company. No. 93,595; Sept. 30; Gaz. vol. 194; p. 1137.
- Furniture, Certain named. Tower Manufacturing & Novelty Co. No. 90,478; Feb. 25; Gaz. vol. 187; p. 1113.
- Furniture, Certain named. The Marysville Cabinet Co. No. 91,002; Apr. 8; Gaz. vol. 189; p. 518.
- Furniture, Certain named pieces of. Herzog Art Furniture Company. No. 90,703; Mar. 18; Gaz. vol. 188; p. 804.
- Furniture, Certain named steel and plain. Art Metal Construction Co. No. 94,047; Nov. 4; Gaz. vol. 196; p. 269.
- Furniture cleaning and polishing liquid compound. M. E. Wray. No. 93,404; Sept. 9; Gaz. vol. 194; p. 547.
- Furniture, hard-wood, and enamel cleanser. A. W. Gruber. No. 90,432; Feb. 25; Gaz. vol. 187; p. 1112.
- Furniture or woodwork polish. C. F. Roberts. No. 91,126; Apr. 15; Gaz. vol. 189; p. 777.
- Furniture-polish. Dunlap Manufacturing Co. No. 90,308; Feb. 18; Gaz. vol. 187; p. 824.
- Furniture-polish. Marshall Oil Company of Iowa. No. 91,102; Apr. 15; Gaz. vol. 189; p. 776.
- Furniture-polish. Co-operative Drug Manufacturing Company. No. 93,593; Sept. 30; Gaz. vol. 194; p. 1137.
- Furniture, &c., polish. Cream. W. Skolnick. No. 94,676; Dec. 23; Gaz. vol. 197; p. 994.
- Fuses, Blasting-. Empire Dynamite Co. No. 91,562; May 13; Gaz. vol. 190; p. 543.
- Gages. The Lunkenheimer Company. No. 89,759; Jan. 7; Gaz. vol. 186; p. 286.
- Gages and parts thereof. Water and steam. The Jerguson Manufacturing Company. No. 91,667; May 20; Gaz. vol. 190; p. 788.
- Game. New Idea Game Company. No. 89,871; Jan. 14; Gaz. vol. 186; p. 553.
- Game. F. C. Wallace. No. 93,400; Sept. 9; Gaz. vol. 194; p. 547.
- Game-board. F. K. Atkins. No. 92,778; July 29; Gaz. vol. 192; p. 1255.
- Game, Card. L. D. Wheelock. No. 93,403; Sept. 9; Gaz. vol. 194; p. 547.
- Games. Flinch Card Co. No. 90,424; Feb. 25; Gaz. vol. 187; p. 1111.
- Games. G. P. Guerin. No. 91,203; Apr. 22; Gaz. vol. 189; p. 1026.
- Games. Milton Bradley Co. No. 91,786; May 27; Gaz. vol. 190; p. 1024.
- Games. Milton Bradley Company. No. 92,528; July 15; Gaz. vol. 192; p. 738.
- Games. The Pastime Novelty Co. No. 93,378; Sept. 9; Gaz. vol. 194; p. 546.
- Games and accessories for same. Certain. J. H. Beamish. No. 91,939; June 10; Gaz. vol. 191; p. 581.
- Games and accessories thereof. Certain named. Tower Manufacturing & Novelty Co. No. 90,479; Feb. 25; Gaz. vol. 187; p. 1113.
- Games and sports, Certain accessories used in athletic. Victor Sporting Goods Company. No. 93,941; Oct. 21; Gaz. vol. 195; p. 815.
- Games, Card. Parker Brothers. No. 92,574; July 15; Gaz. vol. 192; p. 739.
- Games, Card. A. L. Peckham. No. 94,113; Nov. 4; Gaz. vol. 196; p. 271.
- Garment and shoe lacers. The Narrow Fabric Co. No. 94,301; Nov. 25; Gaz. vol. 196; p. 1048.
- Garment-hangers. C. E. Slye. No. 92,474; July 8; Gaz. vol. 192; p. 513.
- Garment-hangers. F. J. Butzel. No. 92,871; Aug. 5; Gaz. vol. 193; p. 215.
- Garment supporters and adjusters. D. A. Covey. No. 89,991; Jan. 28; Gaz. vol. 186; p. 981.
- Garments, Certain named. Daniel Miller Company. No. 91,325; Apr. 29; Gaz. vol. 189; p. 1275.
- Garments, Certain named. William Hollins & Company. Nos. 93,851-2; Oct. 21; Gaz. vol. 195; p. 812.
- Garments made of textile material. Certain named. Greenebaum, Weil & Michels. No. 91,658; May 20; Gaz. vol. 190; p. 788.
- Garments of textile and knitted materials. Certain named. Chandler & Co. No. 91,756; May 27; Gaz. vol. 190; p. 1023.
- Garters, neckties, and suspenders. W. H. Jacobsen. No. 94,731; Dec. 30; Gaz. vol. 197; p. 1287.
- Gas and vapor mantles. King Light Co. No. 94,457; Dec. 9; Gaz. vol. 197; p. 528.
- Gas-mantles. Markt & Hammacher Company. No. 91,496; May 6; Gaz. vol. 190; p. 260.

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- Gas-mantles. The Imperial Merchandise Co. Nos. 94,450-1; Dec. 9; Gaz. vol. 197; p. 528.
- Gas-mantles. Lindsay Light Company. No. 94,735; Dec. 30; Gaz. vol. 197; p. 1288.
- Gas mantles and burners. The Beacon Lighting Company. No. 92,389; July 8; Gaz. vol. 192; p. 511.
- Gas-pressure generators. The Roessler & Hasslacher Chemical Co. No. 90,056; Jan. 28; Gaz. vol. 186; p. 983.
- Gas-regulators. A. M. Johnson. No. 89,926; Jan. 21; Gaz. vol. 186; p. 793.
- Gasolene. Wadhams Oil Company. No. 91,143; Apr. 15; Gaz. vol. 189; p. 777.
- Gasolene. Consumers Refining Company. No. 91,557; May 13; Gaz. vol. 190; p. 543.
- Gasolene-gases. C. F. Roper & Co. No. 94,399; Dec. 2; Gaz. vol. 197; p. 236.
- Gasolene-improver. Improved Gasoline and Oil Company. No. 90,814; Mar. 25; Gaz. vol. 188; p. 1048.
- Gaskets. F. Goetze. No. 91,199; Apr. 22; Gaz. vol. 189; p. 1026.
- Gaskets and packing materials. F. Duttonhofer. No. 91,653; May 20; Gaz. vol. 190; p. 787.
- Gaskets and packings. "Flexitallic" Gasket Company. No. 91,864; June 3; Gaz. vol. 191; p. 288.
- Gears and clutches. Marine reverse. Evans Stamping & Plating Co. No. 91,956; June 10; Gaz. vol. 191; p. 582.
- Gelatin. Heidelberger Gelatine-Fabrik Stoess & Co. No. 91,090; Apr. 15; Gaz. vol. 189; p. 776.
- Gelatin. Diamond Gelatine Company. No. 92,324; July 1; Gaz. vol. 192; p. 211.
- Gelatin. Charles B. Knox Company. No. 93,868; Oct. 21; Gaz. vol. 195; p. 813.
- Gelatin. C. B. Knox Company. No. 94,004; Oct. 28; Gaz. vol. 195; p. 1046.
- Gelatin. Tomlinson (Inc.) No. 94,225; Nov. 11; Gaz. vol. 196; p. 523.
- Gelatin, ice-cream and cocoa powders, and flavoring extracts. C. J. Stevenot. No. 94,217; Nov. 11; Gaz. vol. 196; p. 523.
- Gelatin preparation. The Frank Pure Food Co. No. 94,365; Dec. 2; Gaz. vol. 197; p. 235.
- Gelatin to be used as foods. Heidelberger Gelatine-Fabrik Stoess & Co. No. 92,215; June 24; Gaz. vol. 191; p. 1062.
- Gems and precious stones, Synthetic. L. Heller & Son. No. 92,424; July 8; Gaz. vol. 192; p. 512.
- Germicidal compound. E. J. Winans. No. 91,536; May 6; Gaz. vol. 190; p. 262.
- Germicidal vapors or gases, Generating. Knox Terpezone Company of America. No. 91,880; June 3; Gaz. vol. 191; p. 288.
- Germicides, disinfectants, and deodorants. H. C. A. Funk. No. 92,974; Aug. 12; Gaz. vol. 193; p. 504.
- Germicides for treatment of certain named diseases. The Nozox Company. No. 91,014; Apr. 8; Gaz. vol. 189; p. 519.
- Gin. Schuetz, Renziehausen & Company. No. 90,930; Apr. 1; Gaz. vol. 189; p. 249.
- Gin. Humphrey Taylor & Company. No. 92,076; June 17; Gaz. vol. 191; p. 826.
- Gin. Adams, Taylor & Co. No. 93,952; Oct. 28; Gaz. vol. 195; p. 1045.
- Gin, Holland. W. F. Mercier. No. 90,359; Feb. 18; Gaz. vol. 187; p. 825.
- Gin, Sloe-. W. Bovill & Co. No. 90,867; Apr. 1; Gaz. vol. 189; p. 247.
- Gingham, Zephyr. G. A. Stafford & Company. No. 91,915; June 3; Gaz. vol. 191; p. 289.
- Ginghams. Carson, Pirie, Scott & Co. No. 92,397; July 8; Gaz. vol. 192; p. 511.
- Ginghams, Fancy. Rusch & Co. No. 90,137; Feb. 4; Gaz. vol. 187; p. 228.
- Glass, Art-. International Shade Co. No. 92,222; June 24; Gaz. vol. 191; p. 1063.
- Glass articles used for illuminating purposes, Certain named. General Electric Company. No. 94,366; Dec. 2; Gaz. vol. 197; p. 235.
- Glass bottles and flasks. Illinois-Pacific Glass Company. No. 92,078; June 17; Gaz. vol. 191; p. 826.
- Glass bottles and jars. Glocker Sanitary Jar Company. No. 92,666; July 22; Gaz. vol. 192; p. 984.
- Glass, Broken. M. Levy. No. 94,459; Dec. 9; Gaz. vol. 197; p. 528.
- Glass chimneys, globes, shades, and reflectors. Société Anonyme Chauffage et Éclairage Sepulchre. No. 92,005; June 10; Gaz. vol. 191; p. 583.
- Glass for certain named purposes, Raw. Schott & Gen. No. 94,493; Dec. 9; Gaz. vol. 197; p. 529.
- Glass fruit-jars. Keeran-Funk & Company. No. 90,027; Jan. 28; Gaz. vol. 186; p. 982.
- Glass globes, shades, and reflectors. The Fostoria Glass Specialty Company. No. 90,633; Mar. 11; Gaz. vol. 188; p. 509.
- Glass lamp-chimneys. Stone-Ordean-Wells Company. Nos. 93,215-16; Aug. 26; Gaz. vol. 193; p. 1013.
- Glass lamp-shades, electric-fixture shades, and reflectors. D. M. Gilbert. No. 90,192; Feb. 11; Gaz. vol. 187; p. 508.
- Glass reflectors. H. C. Fry Glass Company. No. 91,193; Apr. 22; Gaz. vol. 189; p. 1026.
- Glass, Reinforced. E. Benedictus. No. 93,153; Aug. 26; Gaz. vol. 193; p. 1011.
- Glass shades and reflectors. General Electric Company. No. 91,198; Apr. 22; Gaz. vol. 189; p. 1026.
- Glass shades, globes, and reflectors. Gleason-Tiebout Glass Company. No. 93,173; Aug. 26; Gaz. vol. 193; p. 1012.
- Glassware, Certain named. Gill Brothers Company. No. 90,529; Mar. 4; Gaz. vol. 188; p. 238.
- Glassware—namely, funnels, beakers, flasks, burettes, and cylinders. The Mine and Smelter Supply Co. No. 94,473; Dec. 9; Gaz. vol. 197; p. 529.
- Gloves. B. Altman & Co. No. 89,903; Jan. 21; Gaz. vol. 186; p. 793.
- Gloves. B. Altman & Co. No. 91,302; Apr. 29; Gaz. vol. 189; p. 1275.
- Gloves. W. S. Fletcher. No. 92,662; July 22; Gaz. vol. 192; p. 984.
- Gloves. Best & Co. No. 93,328; Sept. 9; Gaz. vol. 194; p. 545.
- Gloves. M. G. Luchs. Nos. 93,877-8; Oct. 21; Gaz. vol. 195; p. 813.
- Gloves. Marshall Field & Company. No. 93,881; Oct. 21; Gaz. vol. 195; p. 813.
- Gloves. A. Aurich. No. 94,584; Dec. 23; Gaz. vol. 197; p. 991.
- Gloves and balls, Base-ball. Stall & Dean Mfg. Co. No. 89,885; Jan. 14; Gaz. vol. 186; p. 554.
- Gloves and mittens. The Dempster & Place Company. No. 93,829; Oct. 21; Gaz. vol. 195; p. 812.
- Gloves and mittens, Cloth and leather. The Muhlenbruch Glove & Mitten Co. No. 89,764; Jan. 7; Gaz. vol. 186; p. 286.
- Gloves, Kid and lamb. F. W. Larom. No. 90,449; Feb. 25; Gaz. vol. 187; p. 1112.
- Gloves, Leather. Carson Glove Co. No. 92,789; July 29; Gaz. vol. 192; p. 1256.
- Gloves, Leather. Carson Glove Co. No. 93,820; Oct. 21; Gaz. vol. 195; p. 811.
- Gloves, Leather. Carson Glove Co. No. 94,513; Dec. 9; Gaz. vol. 197; p. 530.
- Glue. R. Weil. No. 93,056; Aug. 12; Gaz. vol. 193; p. 506.
- Glue. C. J. Stevenot. No. 93,304; Sept. 2; Gaz. vol. 194; p. 270.
- Glue and adhesive cement, Liquid. F. W. Coombe. No. 90,631; Mar. 11; Gaz. vol. 188; p. 509.
- Glue and mucilage. C. C. Truax & Company. No. 94,259; Nov. 18; Gaz. vol. 196; p. 801.
- Go-carts. Belknap Hardware and Manufacturing Company. No. 91,638; May 20; Gaz. vol. 190; p. 787.
- Goggles. Julius King Optical Co. No. 91,879; June 3; Gaz. vol. 191; p. 288.
- Goggles. The Seiss Manufacturing Company. No. 94,209; Nov. 11; Gaz. vol. 196; p. 523.
- Gold, Soldering-. E. T. Goldberg. No. 92,769; July 29; Gaz. vol. 192; p. 1255.
- Golf-balls. The Worthington Ball Company. No. 89,787; Jan. 7; Gaz. vol. 186; p. 286.
- Golf-clubs. A. W. Biddle. No. 92,510; July 15; Gaz. vol. 192; p. 737.
- Goods in the piece, Certain named. York Manufacturing Company. No. 91,056; Apr. 8; Gaz. vol. 189; p. 520.
- Gowns, robes, wraps, and dresses. The Dellgance Gown Company. No. 90,419; Feb. 25; Gaz. vol. 187; p. 1111.
- Grab-irons, angle-cock holders, door-hangers, &c. Harry Vissering & Company. No. 92,604; July 15; Gaz. vol. 192; p. 740.
- Grain and fruits for food drinks. C. H. Heinig. No. 94,635; Dec. 23; Gaz. vol. 197; p. 993.
- Grain-separators, fanning-mills, and grain-cleaning machines. Hirsch Brothers. No. 94,448; Dec. 9; Gaz. vol. 197; p. 528.
- Grape-juice. Manufacturers and Retailers Company. No. 92,349; July 1; Gaz. vol. 192; p. 212.
- Grape-juice. "Druggists' Co-operative Association. No. 92,759; July 29; Gaz. vol. 192; p. 1255.
- Grape-juice mixture. California Products Company. No. 89,735; Jan. 7; Gaz. vol. 186; p. 285.
- Graphite, Driving-chain. The United States Graphite Company. Nos. 91,920-1; June 3; Gaz. vol. 191; p. 289.
- Graphite, Pulverized. The United States Graphite Company. Nos. 92,291-303; June 24; Gaz. vol. 191; p. 1065.
- Graphophones, gramophones, and parts and records for the same. The Vitaphone Co. No. 90,851; Mar. 25; Gaz. vol. 188; p. 1049.
- Gratings, Metal. Irving Iron Works Company. No. 89,850; Jan. 14; Gaz. vol. 186; p. 553.
- Grease, and commutator compound, Cylinder, cup, fiber, &c. The Ohio Grease Lubricant Co. No. 92,572; July 15; Gaz. vol. 192; p. 739.
- Grease, bicycle and machine oil, Axle-. C. C. Truax & Company. No. 94,227; Nov. 11; Gaz. vol. 196; p. 523.
- Grinding-wheels. Detroit Emery Wheel Company. No. 94,429; Dec. 9; Gaz. vol. 197; p. 527.
- Grindstones, razor strops and hones. Morley Brothers. No. 90,460; Feb. 25; Gaz. vol. 187; p. 1112.

- Gum and mint-tablets, Chewing-. The Walter F. Ware Company. No. 91,052; Apr. 8; Gaz. vol. 189; p. 520.
- Gum, Chewing-. H. Schmidt. No. 89,877; Jan. 14; Gaz. vol. 186; p. 553.
- Gum, Chewing-. C. D. Blackmon. No. 90,285; Feb. 18; Gaz. vol. 187; p. 823.
- Gum, Chewing-. Snappy Gum Company. No. 90,754; Mar. 18; Gaz. vol. 188; p. 805.
- Gum, Chewing-. Autosales Gum & Chocolate Company. No. 90,953; Apr. 8; Gaz. vol. 189; p. 517.
- Gum, Chewing-. The Helmet Company. No. 90,991; Apr. 8; Gaz. vol. 189; p. 518.
- Gum, Chewing-. Cherry Cocktail Gum Co. No. 91,075; Apr. 15; Gaz. vol. 189; p. 775.
- Gum, Chewing-. Texas Gum Company. No. 92,285; June 24; Gaz. vol. 191; p. 1064.
- Gum, Chewing-. W. J. White Chicle Co. No. 93,575; Sept. 23; Gaz. vol. 194; p. 948.
- Gum, Chewing-. W. J. White Chicle Co. No. 93,946; Oct. 21; Gaz. vol. 195; p. 815.
- Gum, Chewing-. E. K. Morris. No. 94,299; Nov. 25; Gaz. vol. 196; p. 1048.
- Gum, Chewing-. Autosales Gum and Chocolate Company. Nos. 94,587-8; Dec. 23; Gaz. vol. 197; p. 991.
- Gum, Manufactured. American Gum Products Co. No. 92,500; July 15; Gaz. vol. 192; p. 737.
- Gums, Adhesive. J. L. Hopkins & Co. No. 93,994; Oct. 28; Gaz. vol. 195; p. 1046.
- Guns, armored turrets and shields, gun-carriages, &c. Fried. Krupp Aktiengesellschaft. No. 92,766; July 29; Gaz. vol. 192; p. 1255.
- Hair, dentifrice, &c., Preparations for improving and dyeing. Barclay & Barclay. No. 93,625; Oct. 7; Gaz. vol. 195; p. 271.
- Hair destroyer, Human-. Pilgrim Manufacturing Co. No. 92,117; June 17; Gaz. vol. 191; p. 827.
- Hair-dye. Van Vleet-Mansfield Drug Co. No. 90,263; Feb. 11; Gaz. vol. 187; p. 510.
- Hair-dyes. G. Sattler. No. 92,001; June 10; Gaz. vol. 191; p. 583.
- Hair-dyeing preparation. Inecto Limited. No. 93,179; Aug. 26; Gaz. vol. 193; p. 1012.
- Hair goods. Hyman & Oppenheim. No. 93,274; Sept. 2; Gaz. vol. 194; p. 269.
- Hair-grower and hair and scalp remedy. L. Becker. No. 93,063; Aug. 19; Gaz. vol. 193; p. 749.
- Hair grower or tonic. L. S. Read. No. 90,133; Feb. 4; Gaz. vol. 187; p. 228.
- Hair-nets. Silverberg Import Co. Nos. 90,385-6; Feb. 18; Gaz. vol. 187; p. 826.
- Hair-nets. E. David. No. 90,794; Mar. 25; Gaz. vol. 188; p. 1047.
- Hair-nets. Rudolf Saenger Co. No. 90,844; Mar. 25; Gaz. vol. 188; p. 1049.
- Hair-nets. Silverberg Import Co. No. 90,931; Apr. 1; Gaz. vol. 189; p. 249.
- Hair-nets. Geo. Borgfeldt & Co. No. 90,959; Apr. 8; Gaz. vol. 189; p. 517.
- Hair-nets. R. Saenger. No. 91,427; Apr. 29; Gaz. vol. 189; p. 1278.
- Hair-nets. Morris, Mann & Reilly. No. 92,443; July 8; Gaz. vol. 192; p. 512.
- Hair-nets. J. Giguët. No. 92,887; Aug. 5; Gaz. vol. 193; p. 215.
- Hair-nets. Silverberg Import Co. No. 92,914; Aug. 5; Gaz. vol. 193; p. 216.
- Hair-nets. Geo. Borgfeldt & Co. Nos. 93,676-9; Oct. 14; Gaz. vol. 195; p. 533.
- Hair-nets. Berg Bros. Nos. 93,810-11; Oct. 21; Gaz. vol. 195; p. 811.
- Hair-nets. Geo. Borgfeldt & Co. Nos. 93,813-14; Oct. 21; Gaz. vol. 195; p. 811.
- Hair-nets. Silverberg Import Co. No. 93,932; Oct. 21; Gaz. vol. 195; p. 815.
- Hair-nets. E. David. No. 94,516; Dec. 9; Gaz. vol. 197; p. 530.
- Hair-nets. J. Giguët. No. 94,523; Dec. 9; Gaz. vol. 197; p. 530.
- Hair-nets, Ladies'. I. Grossmann. No. 89,745; Jan. 7; Gaz. vol. 186; p. 285.
- Hair-nets, silk chiffons, and nettings. Geo. Borgfeldt & Co. No. 91,292; Apr. 22; Gaz. vol. 189; p. 1029.
- Hair-nets, silk chiffons, and nettings. Geo. Borgfeldt & Co. No. 94,051; Nov. 4; Gaz. vol. 196; p. 269.
- Hair-pins. Pacific Novelty Company. No. 91,299; Apr. 22; Gaz. vol. 189; p. 1029.
- Hair-pins. Hump Hair Pin Company. No. 91,875; June 3; Gaz. vol. 191; p. 288.
- Hair-pins and hat-pins. The Koy-Lo Company. No. 90,644; Mar. 11; Gaz. vol. 188; p. 509.
- Hair, Preparation for restoring the natural color to the. R. G. Edwards. No. 93,630; Oct. 7; Gaz. vol. 195; p. 271.
- Hair-removers. Whizz Manufacturing Co. No. 94,232; Nov. 11; Gaz. vol. 196; p. 523.
- Hair-restorative. A. A. McGee. No. 94,296; Nov. 25; Gaz. vol. 196; p. 1048.
- Hair-restorer. R. Lightfoot. No. 93,506; Sept. 16; Gaz. vol. 194; p. 742.
- Hair-restorer. A. Magliaro. No. 94,788; Dec. 30; Gaz. vol. 197; p. 1289.
- Hair-restorer and head-shampoo. California Queen Co. No. 93,260; Sept. 2; Gaz. vol. 194; p. 269.
- Hair shampoos and tonics. M. E. Gillespie. No. 90,530; Mar. 4; Gaz. vol. 188; p. 238.
- Hair switches, puffs, &c. B. Blatt. No. 90,284; Feb. 18; Gaz. vol. 187; p. 823.
- Hair-tonic. The To-Kalon Manufacturing Company. No. 89,965; Jan. 21; Gaz. vol. 186; p. 795.
- Hair-tonic. H. Panckow. No. 90,238; Feb. 11; Gaz. vol. 187; p. 509.
- Hair-tonic. W. Ruff. No. 90,583; Mar. 4; Gaz. vol. 188; p. 240.
- Hair-tonic. W. C. Tomlinson. No. 90,599; Mar. 4; Gaz. vol. 188; p. 240.
- Hair-tonic. Petty and Schreck. No. 91,513; May 6; Gaz. vol. 190; p. 261.
- Hair-tonic. Bernfeld Bros. No. 92,313; July 1; Gaz. vol. 192; p. 211.
- Hair-tonic. C. Thacker. No. 92,599; July 15; Gaz. vol. 192; p. 740.
- Hair-tonic. C. M. C. Co. No. 92,638; July 22; Gaz. vol. 192; p. 983.
- Hair-tonic. D. R. Kinney & Co. No. 92,995; Aug. 12; Gaz. vol. 193; p. 505.
- Hair-tonic. Colorific Company. No. 94,238; Nov. 18; Gaz. vol. 196; p. 801.
- Hair tonic and restorer. J. W. Hefferline. No. 89,921; Jan. 21; Gaz. vol. 186; p. 793.
- Hair-tonic, face powder and cream, and nail-bleach. D. D. Wood. No. 92,025; June 10; Gaz. vol. 191; p. 584.
- Hair-tonic, shampoo-powder, dental cream, &c. J. M. Pitkin & Co. No. 93,905; Oct. 21; Gaz. vol. 195; p. 814.
- Hair-tonics. The Wavenlock Co. No. 91,279; Apr. 22; Gaz. vol. 189; p. 1029.
- Hair-tonics. J. M. Davis. No. 91,417; Apr. 29; Gaz. vol. 189; p. 1278.
- Hair-tonics. R. Marx. No. 91,424; Apr. 29; Gaz. vol. 189; p. 1278.
- Hair-tonics. The Yvette Co. No. 93,792; Oct. 14; Gaz. vol. 195; p. 537.
- Ham, Western Sausage & Provision Co. No. 94,341; Nov. 25; Gaz. vol. 196; p. 1049.
- Hams and sausages. Kingan & Company, Limited. No. 89,855; Jan. 14; Gaz. vol. 186; p. 553.
- Hams, bacon, and lard. The Rath Packing Company. No. 93,495; Sept. 16; Gaz. vol. 194; p. 741.
- Hams, bacon, lard, and sausages. Figge & Hutwelker Co. Nos. 92,968-9; Aug. 12; Gaz. vol. 193; p. 504.
- Hams, shoulders, sausage, lard, &c. H. E. Kriel. No. 93,539; Sept. 23; Gaz. vol. 194; p. 947.
- Hammers, Power and trip. Beaudry & Company. No. 92,508; July 15; Gaz. vol. 192; p. 737.
- Hammocks. H. L. Hohlfeld. No. 90,704; Mar. 18; Gaz. vol. 188; p. 804.
- Hammocks. H. L. Hohlfeld. No. 91,210; Apr. 22; Gaz. vol. 189; p. 1026.
- Hammocks, Certain named. H. L. Hohlfeld. Nos. 89,749-50; Jan. 7; Gaz. vol. 186; p. 285.
- Handicap selections, programs, score-cards, &c. M. J. Neafsey. No. 90,467; Feb. 25; Gaz. vol. 187; p. 1113.
- Handkerchiefs. Rusch & Co. No. 90,138; Feb. 4; Gaz. vol. 187; p. 228.
- Handkerchiefs. A. Letts. No. 91,294; Apr. 22; Gaz. vol. 189; p. 1029.
- Handkerchiefs. Heller & Long. No. 93,093; Aug. 19; Gaz. vol. 193; p. 750.
- Handkerchiefs. S. Eckstein. No. 93,833; Oct. 21; Gaz. vol. 195; p. 812.
- Handkerchiefs. Heller & Long. No. 94,728; Dec. 30; Gaz. vol. 197; p. 1287.
- Handspikes. New York Boat Oar Company. No. 94,663; Dec. 23; Gaz. vol. 197; p. 993.
- Hardware and plumbing and steam-fitting supplies. The E. T. Burrows Company. No. 93,422; Sept. 16; Gaz. vol. 194; p. 739.
- Hardware and plumbing and steam-fitting supplies, Certain named. The Galard Co. No. 92,331; July 1; Gaz. vol. 192; p. 211.
- Hardware and plumbing and steam-fitting supplies, Certain named. Wheeling Corrugating Company. No. 92,381; July 1; Gaz. vol. 192; p. 213.
- Hardware and plumbing supplies, Certain named. Landers, Frary & Clark. No. 91,096; Apr. 15; Gaz. vol. 189; p. 776.
- Hardware and plumbing supplies, Certain named. C. H. Arwe. No. 93,062; Aug. 19; Gaz. vol. 193; p. 749.
- Hardware articles, Certain named. Columbian Enameling & Stamping Co. No. 92,045; June 17; Gaz. vol. 191; p. 825.
- Hardware, Certain named articles of. Berndorf Metal Works A. Krupp. No. 90,780; Mar. 25; Gaz. vol. 188; p. 1047.
- Hardware, plumbing, and steam-fitting supplies. Sanitas Mfg Co. No. 93,381; Sept. 9; Gaz. vol. 194; p. 547.
- Hardware, plumbing, and steam-fitting supplies, Certain named. Bridgeport Brass Company. No. 92,530; July 15; Gaz. vol. 192; p. 738.

Alphabetical list of trade-marks—Continued.

- Hardware, plumbing, and steam-fitting supplies, Certain named. Felten & Guillaume Carlswerk Actien-Gesellschaft. No. 94,361; Dec. 2; Gaz. vol. 197; p. 235.
- Hardware supplies, Certain named. Tower Manufacturing & Novelty Co. No. 91,525; May 6; Gaz. vol. 190; p. 261.
- Hardware supplies, Certain named. United States Specialty Company. No. 91,528; May 6; Gaz. vol. 190; p. 261.
- Harmonicas. M. Hohner. No. 89,846; Jan. 14; Gaz. vol. 186; p. 552.
- Harness and saddles. The Jesse Beery Company. No. 92,169; June 24; Gaz. vol. 191; p. 1061.
- Harness, Metal ornaments, monograms, and initials for. S. M. Riker. No. 90,379; Feb. 18; Gaz. vol. 187; p. 826.
- Hat-bandeaux. Thornley & Booth. No. 93,134; Aug. 19; Gaz. vol. 193; p. 751.
- Hat frames and trimmings and artificial flowers. The Protocon Company. No. 94,761; Dec. 30; Gaz. vol. 197; p. 1288.
- Hats. The Co-Operative League. No. 90,418; Feb. 25; Gaz. vol. 187; p. 1111.
- Hats. F. K. Nichols. No. 91,508; May 6; Gaz. vol. 190; p. 261.
- Hats. V. Jay & Co. No. 92,223; June 24; Gaz. vol. 191; p. 1063.
- Hats. Henry Heath, Limited. No. 92,773; July 29; Gaz. vol. 192; p. 1255.
- Hats. The One-Profit Hat Company. No. 93,897; Oct. 21; Gaz. vol. 195; p. 814.
- Hats and caps. The Hat Manufacturers Supply Co. Ltd. No. 90,328; Feb. 18; Gaz. vol. 187; p. 824.
- Hats and caps. Henry Heath, Limited. No. 92,423; July 8; Gaz. vol. 192; p. 512.
- Hats and caps. The Sunlight Hat Co. No. 92,480; July 8; Gaz. vol. 192; p. 513.
- Hats and hat-frames. E. Sanz. No. 91,130; Apr. 15; Gaz. vol. 189; p. 777.
- Hats, caps, and helmets, Uniform. Geo. Brunssen Co. No. 90,963; Apr. 8; Gaz. vol. 189; p. 517.
- Hats, Ladies' and children's. E. J. Liez. No. 90,354; Feb. 18; Gaz. vol. 187; p. 825.
- Hats, Men's. Werner & Werner Clothing & Furnishing Goods Co. No. 90,148; Feb. 4; Gaz. vol. 187; p. 229.
- Hats, Men's. B. B. Saddin. No. 90,473; Feb. 25; Gaz. vol. 187; p. 1113.
- Hats, neckwear, waists, dresses, coats, and furs. M. E. Crocker. No. 89,818; Jan. 14; Gaz. vol. 186; p. 552.
- Hats, Stiff. J. Cohen. No. 90,417; Feb. 25; Gaz. vol. 187; p. 1111.
- Hats, Straw. Bronston Bros. & Co. No. 94,595; Dec. 23; Gaz. vol. 197; p. 991.
- Hay and coal. Krettek Bros. No. 92,897; Aug. 5; Gaz. vol. 193; p. 216.
- Hay-presses. J. W. M. Neatherland. No. 93,746; Oct. 14; Gaz. vol. 195; p. 535.
- Head-washes, hair-invigorators, and dandruff remedies. Orangewood Company. No. 91,687; May 20; Gaz. vol. 190; p. 788.
- Heat-insulating cases for receptacles. Maschinen-Cartonnagen- & Pappenfabrik Wächtersbach Fried. Christian. No. 90,821; Mar. 25; Gaz. vol. 188; p. 1048.
- Heat-insulating covering for steam-pipes. Richards-Wilson Pipe Covering Co. No. 91,379; Apr. 29; Gaz. vol. 189; p. 1277.
- Heating and ventilating apparatus. Griscom-Russell Co. No. 92,421; July 8; Gaz. vol. 192; p. 512.
- Heating appliances, Certain named gas. Reznor Manufacturing Company. No. 92,912; Aug. 5; Gaz. vol. 193; p. 216.
- Heating, lighting, and ventilating apparatus. B. F. Sturtevant Company. No. 90,661; Mar. 11; Gaz. vol. 188; p. 510.
- Heating, lighting, and ventilating apparatus, not including electrical apparatus. Daimler-Motoren-Gesellschaft. No. 91,949; June 10; Gaz. vol. 191; p. 581.
- Heating, lighting, and ventilating apparatus, not including electrical apparatus. Daimler-Motoren-Gesellschaft. No. 91,952; June 10; Gaz. vol. 191; p. 581.
- Heating, lighting, and ventilating apparatus, not including electrical apparatus, Certain. Morgan Construction Company. No. 92,356; July 1; Gaz. vol. 192; p. 212.
- Heating, lighting, and ventilating apparatus, not including electrical apparatus, Certain. "Selas" Gesellschaft mit beschränkter Haftung. No. 92,725; July 22; Gaz. vol. 192; p. 986.
- Herring and sardines. Otto L. Kuehn Co. No. 89,857; Jan. 14; Gaz. vol. 186; p. 553.
- Hides, skins, and leather. Compagnie Française de la Chamoiserie Nouvelle. No. 90,681; Mar. 18; Gaz. vol. 188; p. 803.
- Hobby-horses, &c. The Horsemobile Toy Company. No. 90,019; Jan. 28; Gaz. vol. 186; p. 982.
- Hoes, rakes, and forks. Clark-Smith Hardware Company. No. 92,641; July 22; Gaz. vol. 192; p. 983.
- Holsts and cranes, Electric. H. P. Roeper. No. 93,295; Sept. 2; Gaz. vol. 194; p. 270.
- Holders, brackets, racks, &c. Art Brass Company. No. 94,582; Dec. 23; Gaz. vol. 197; p. 991.
- Hones, grindstones, &c. F. Swaty. No. 93,217; Aug. 26; Gaz. vol. 193; p. 1013.
- Honey. P. Hunten. No. 90,212; Feb. 11; Gaz. vol. 187; p. 508.
- Honey. The A. I. Root Company. No. 93,026; Aug. 12; Gaz. vol. 193; p. 505.
- Hoods and wind-screens for motor-cars. Triumph Cycle Company. No. 91,047; Apr. 8; Gaz. vol. 189; p. 520.
- Hoof-pads. Rutherford Rubber Company. No. 91,255; Apr. 22; Gaz. vol. 189; p. 1028.
- Hooks and eyes. Peet Bros. No. 93,752; Oct. 14; Gaz. vol. 195; p. 536.
- Hooks and eyes. C. H. Crowley. No. 94,515; Dec. 9; Gaz. vol. 197; p. 530.
- Horn-bulbs, Automobile. Ste. Ame. pour le Commerce & l'Industrie du Caoutchouc. No. 90,387; Feb. 18; Gaz. vol. 187; p. 826.
- Horns and alarms, Signal-. Lovell-McConnell Manufacturing Company. No. 91,361; Apr. 29; Gaz. vol. 189; p. 1276.
- Horns, Electric. The Holtzer-Cabot Electric Company. No. 93,094; Aug. 13; Gaz. vol. 193; p. 750.
- Horns, Electrical. The Sparks-Withington Company. No. 93,302; Sept. 2; Gaz. vol. 194; p. 270.
- Horns for automobiles, &c., Electric. Sears, Roebuck and Co. No. 92,270; June 24; Gaz. vol. 191; p. 1064.
- Horns, Motor-vehicle. Lee Tire & Rubber Co. No. 93,733; Oct. 14; Gaz. vol. 195; p. 535.
- Horse and mule shoes. W. J. Holliday & Company. No. 89,751; Jan. 7; Gaz. vol. 186; p. 285.
- Horse and mule shoes. The Tredegar Company. No. 93,394; Sept. 9; Gaz. vol. 194; p. 547.
- Horse equipments, Certain named. G. H. Schoellkopf Saddlery Co. No. 91,382; Apr. 29; Gaz. vol. 189; p. 1277.
- Horse-powers, windlasses, vises, grinding-mills, &c. Flint and Walling Manufacturing Co. No. 89,835; Jan. 14; Gaz. vol. 186; p. 552.
- Horseshoe-calks. Leonhardt & Co. No. 91,222; Apr. 22; Gaz. vol. 189; p. 1027.
- Horseshoe-calks. Key-Calk Horseshoe Manufacturing Company. No. 92,230; June 24; Gaz. vol. 191; p. 1063.
- Horseshoe-calks and horseshoes. Key-Calk Manufacturing Company. No. 89,754; Jan. 7; Gaz. vol. 186; p. 285.
- Horseshoes and horseshoe-calks. Challoner Company. No. 91,073; Apr. 15; Gaz. vol. 189; p. 775.
- Hose. The Mechanical Rubber Company. No. 94,466; Dec. 9; Gaz. vol. 197; p. 528.
- Hose, belting, and packing, Certain. J. W. Buckley Rubber Co. No. 93,490; Sept. 16; Gaz. vol. 194; p. 741.
- Hose, belting, packing, &c. J. W. Buckley Rubber Co. No. 94,054; Nov. 4; Gaz. vol. 196; p. 269.
- Hose, belting, packing, and jar-rings. J. W. Buckley Rubber Co. No. 94,161; Nov. 11; Gaz. vol. 196; p. 521.
- Hose, belting, packing, and jar-rings. J. W. Buckley Rubber Co. Nos. 94,422-3; Dec. 9; Gaz. vol. 197; p. 527.
- Hose or socks, Men's half. Guy, Curran & Co. No. 91,961; June 10; Gaz. vol. 191; p. 582.
- Hose-pipes, tires, belting, &c. L. A. Subers. No. 94,220; Nov. 11; Gaz. vol. 196; p. 523.
- Hose-protectors. Zar Hose Protector Company. No. 89,970; Jan. 21; Gaz. vol. 186; p. 795.
- Hose-supporters. C. J. Higley. No. 94,636; Dec. 23; Gaz. vol. 197; p. 993.
- Hosiery. William Brown Company. No. 89,910; Jan. 21; Gaz. vol. 186; p. 793.
- Hosiery. H. G. Hodges. No. 90,204; Feb. 11; Gaz. vol. 187; p. 508.
- Hosiery. Gotham Silk Mfg. Co. No. 90,324; Feb. 18; Gaz. vol. 187; p. 824.
- Hosiery. Lindeke, Warner & Sons. No. 90,355; Feb. 18; Gaz. vol. 187; p. 825.
- Hosiery. The F. & R. Lazarus & Co. No. 90,645; Mar. 11; Gaz. vol. 188; p. 509.
- Hosiery. Holston Manufacturing Company. No. 90,705; Mar. 18; Gaz. vol. 188; p. 804.
- Hosiery. Misham Knitting Mill. No. 90,824; Mar. 25; Gaz. vol. 188; p. 1048.
- Hosiery. The La Crosse Knitting Works. Nos. 90,996-7; Apr. 8; Gaz. vol. 189; p. 518.
- Hosiery. F. E. Munich. No. 91,010; Apr. 8; Gaz. vol. 189; p. 519.
- Hosiery. C. Chipman's Sons. No. 91,319; Apr. 29; Gaz. vol. 189; p. 1275.
- Hosiery. The H. B. Clafin Company. No. 91,321; Apr. 29; Gaz. vol. 189; p. 1275.
- Hosiery. Holeproof Hosiery Co. No. 91,344; Apr. 29; Gaz. vol. 189; p. 1276.
- Hosiery. New Jersey Textile Art Corporation. No. 91,594; May 13; Gaz. vol. 190; p. 544.
- Hosiery. I. Rome & Sons. No. 91,604; May 13; Gaz. vol. 190; p. 544.
- Hosiery. Chas. A. Stevens & Bros. No. 91,617; May 13; Gaz. vol. 190; p. 545.
- Hosiery. Richardson Dry Goods Co. No. 91,796; May 27; Gaz. vol. 190; p. 1024.
- Hosiery. Gotham Silk Mfg. Co. No. 91,959; June 10; Gaz. vol. 191; p. 582.

Alphabetical list of trade-marks—Continued.

- Hosiery. Burnham-Munger-Root Dry Goods Co. No. 92,179; June 24; Gaz. vol. 191; p. 1061.
- Hosiery. The Dormer Brothers Co. No. 92,196; June 24; Gaz. vol. 191; p. 1062.
- Hosiery. G. Hermsdorff. No. 92,216; June 24; Gaz. vol. 191; p. 1062.
- Hosiery. Arbuthnot-Stephenson Co. No. 92,479; July 8; Gaz. vol. 192; p. 513.
- Hosiery. A. Letts. No. 92,690; July 22; Gaz. vol. 192; p. 985.
- Hosiery. Lord & Taylor. No. 92,692; July 22; Gaz. vol. 192; p. 985.
- Hosiery. W. H. Childrey. No. 92,874; Aug. 5; Gaz. vol. 193; p. 215.
- Hosiery. Moore and Fisher. No. 93,007; Aug. 12; Gaz. vol. 193; p. 505.
- Hosiery. Magrane Houston Company. No. 93,102; Aug. 19; Gaz. vol. 193; p. 750.
- Hosiery. Interwoven Stocking Company. Nos. 93,180-1; Aug. 26; Gaz. vol. 193; p. 1012.
- Hosiery. I. & R. Morley. No. 93,193; Aug. 26; Gaz. vol. 193; p. 1012.
- Hosiery. Common Sense Suspender Co. No. 93,336; Sept. 9; Gaz. vol. 194; p. 545.
- Hosiery. Interwoven Stocking Company. No. 93,359; Sept. 9; Gaz. vol. 194; p. 546.
- Hosiery. The Dormer Brothers Co. No. 93,831; Oct. 21; Gaz. vol. 195; p. 812.
- Hosiery. Taliaferro & Sherwood. No. 93,937; Oct. 21; Gaz. vol. 195; p. 815.
- Hosiery. Western Dry Goods Co. No. 93,945; Oct. 21; Gaz. vol. 195; p. 815.
- Hosiery. S. Mayer. No. 94,650; Dec. 23; Gaz. vol. 197; p. 993.
- Hosiery and knit underwear. Vermont Hosiery and Machinery Company. No. 90,396; Feb. 18; Gaz. vol. 187; p. 826.
- Hosiery and knitted underwear. E. M. Townsend & Co. No. 92,288; June 24; Gaz. vol. 191; p. 1065.
- Hosiery and knitted underwear. E. M. Townsend & Co. No. 93,938; Oct. 21; Gaz. vol. 195; p. 815.
- Hosiery and underwear. Best & Company. No. 93,329; Sept. 9; Gaz. vol. 194; p. 545.
- Hosiery, corsets, aprons, and collars. The H. T. Spencer Company. No. 90,755; Mar. 18; Gaz. vol. 188; p. 805.
- Household and cooking utensils, Certain named metal. The Utilities Supply Company. No. 90,936; Apr. 1; Gaz. vol. 189; p. 249.
- Household articles. Rhenania Vereinigte Emaillierwerke Actien-Gesellschaft. No. 93,294; Sept. 2; Gaz. vol. 194; p. 270.
- Household ware and bath-room fittings, Certain named metallic. Landers, Frary & Clark. No. 90,895; Apr. 1; Gaz. vol. 189; p. 248.
- Houses, Portable. E. F. Hodgson. No. 91,872; June 3; Gaz. vol. 191; p. 288.
- Hydrogen peroxid. The Oakland Chemical Co. No. 92,257; June 24; Gaz. vol. 191; p. 1064.
- Hydrogen peroxid. Citro Chemical Co. No. 92,320; July 1; Gaz. vol. 192; p. 211.
- Hydrogen peroxid. Hydrox Chemical Co. No. 93,356; Sept. 9; Gaz. vol. 194; p. 546.
- Ice-cream. Borden's Condensed Milk Co. No. 92,038; June 17; Gaz. vol. 191; p. 825.
- Ice-cream. H. L. Scott. No. 93,647; Oct. 7; Gaz. vol. 195; p. 271.
- Ice-cream and ices. J. J. Lifter. No. 90,223; Feb. 11; Gaz. vol. 187; p. 509.
- Ice-cream and ices. J. J. Lifter. No. 93,550; Sept. 23; Gaz. vol. 194; p. 948.
- Ice-cream cones. Aliferis & Poulos. No. 89,972; Jan. 28; Gaz. vol. 186; p. 981.
- Ice-cream cones. W. McLaren. No. 93,639; Oct. 7; Gaz. vol. 195; p. 271.
- Ice-cream freezers. Auto Vacuum Freezer Company. No. 89,808; Jan. 14; Gaz. vol. 186; p. 551.
- Ice-making machines. Colombier Fils et Cie. No. 94,065; Nov. 4; Gaz. vol. 196; p. 269.
- Ice-picks. A. W. Stephens Mfg. Co. No. 94,689; Dec. 23; Gaz. vol. 197; p. 994.
- Icing, dressing for salad, fruits, &c. White-Stokes Co. No. 92,608; July 15; Gaz. vol. 192; p. 740.
- Igniters and accessories. Wright Manufacturing Company. No. 94,233; Nov. 11; Gaz. vol. 196; p. 523.
- Images, Apparatus for the luminous projection of. Société Internationale de Lumière Froide (Procédés Dusaud). No. 91,135; Apr. 15; Gaz. vol. 189; p. 777.
- Index-tabs, loose-leaf binders, record-books, and dockets. Chicago Shipping & Receipt Book Co. No. 94,165; Nov. 11; Gaz. vol. 196; p. 521.
- Inhaling device. G. A. Evans. No. 90,523; Mar. 4; Gaz. vol. 188; p. 238.
- Ink. L. E. Waterman Co. No. 93,785; Oct. 14; Gaz. vol. 195; p. 537.
- Ink, Numbering-machine. Mittag & Volger. No. 92,099; June 17; Gaz. vol. 191; p. 827.
- Ink, Printing. Markem Machine Co. No. 89,933; Jan. 21; Gaz. vol. 186; p. 794.
- Ink, Printing. Progress Manufacturing Company. No. 90,470; Feb. 25; Gaz. vol. 187; p. 1113.
- Ink, Writing. A. E. Davis. No. 90,298; Feb. 18; Gaz. vol. 187; p. 823.
- Inks and inking materials, Certain. Tower Manufacturing & Novelty Co. No. 91,045; Apr. 8; Gaz. vol. 189; p. 520.
- Inks, Drawing. Technical Supply Company. No. 92,842; July 29; Gaz. vol. 192; p. 1257.
- Inks, Printing and lithographing. H. D. Roosen Company. No. 91,034; Apr. 8; Gaz. vol. 189; p. 519.
- Inks, Writing. Tower Manufacturing & Novelty Co. No. 90,393; Feb. 18; Gaz. vol. 187; p. 826.
- Inks, Writing and drawing. C. P. Gaither. No. 90,801; Mar. 25; Gaz. vol. 188; p. 1047.
- Inked ribbons and carbon-paper. Crescent Typewriter Supply Company. No. 91,173; Apr. 22; Gaz. vol. 189; p. 1025.
- Inked ribbons and carbon-paper. Crescent Typewriter Supply Company. No. 92,647; July 22; Gaz. vol. 192; p. 984.
- Insect and germ exterminators. Union Chemical Company. No. 93,221; Aug. 26; Gaz. vol. 193; p. 1013.
- Insect-destroying compound. Muskeetopunk Co. No. 94,020; Oct. 28; Gaz. vol. 195; p. 1047.
- Insect-destroying preparations. Actien-Gesellschaft für Anilin-Fabrikation. No. 93,794; Oct. 21; Gaz. vol. 195; p. 811.
- Insect-exterminators. The Harlem Chemical Co. No. 94,554; Dec. 16; Gaz. vol. 197; p. 777.
- Insect-killer. Knock 'Em Dead Co. No. 92,686; July 22; Gaz. vol. 192; p. 985.
- Insecticide. C. W. Johnson. No. 90,216; Feb. 11; Gaz. vol. 187; p. 508.
- Insecticide. Vex-All Company. No. 92,746; July 22; Gaz. vol. 192; p. 987.
- Insecticide. Meridian Chemical Company. No. 94,297; Nov. 25; Gaz. vol. 196; p. 1048.
- Insecticide, fungicide, and tonic for plants or trees. Charles F. Dare & Son. No. 92,648; July 22; Gaz. vol. 192; p. 984.
- Insecticides. The Chamberlain Company. No. 89,736; Jan. 7; Gaz. vol. 186; p. 285.
- Insecticides. M. Herrmann & Co. No. 90,114; Feb. 4; Gaz. vol. 187; p. 228.
- Insecticides. M. Herrmann & Co. No. 90,232; Feb. 11; Gaz. vol. 187; p. 509.
- Insecticides. Corona Chemical Company. No. 91,758; May 27; Gaz. vol. 190; p. 1023.
- Insecticides. Schwenger & Weed. No. 94,206; Nov. 11; Gaz. vol. 196; p. 522.
- Insecticides. Joseph Williams Company. No. 94,705; Dec. 23; Gaz. vol. 197; p. 995.
- Insecticides, soap spray, worm and ant destroyer, &c. Eastern Chemical Company. No. 91,763; May 27; Gaz. vol. 190; p. 1023.
- Insectifuge. The Absorene Mfg. Co. No. 91,926; June 10; Gaz. vol. 191; p. 581.
- Instruments and parts therefor, Certain named. G. Pirazzi & Co. No. 94,394; Dec. 2; Gaz. vol. 197; p. 236.
- Insulating compound or paint. Edison Storage Battery Company. No. 91,082; Apr. 15; Gaz. vol. 189; p. 775.
- Insulating-joints and pipe-connectors, &c. Wirt Electric Specialty Company. No. 90,150; Feb. 4; Gaz. vol. 187; p. 229.
- Insulating material. W. Montgomery, Junior. No. 91,005; Apr. 8; Gaz. vol. 189; p. 519.
- Insulation friction-tape, dry-cell batteries, fuses, and fuse-wire. The Mine and Smelter Supply Co. No. 94,471; Dec. 9; Gaz. vol. 197; p. 529.
- Insulators, Electrical. Boonton Rubber Manufacturing Company. No. 93,069; Aug. 19; Gaz. vol. 193; p. 749.
- Internal secretions. G. W. Carnrick Co. No. 92,635; July 22; Gaz. vol. 192; p. 983.
- Iron and steel sheeting. The Monmouthshire Steel and Tinplate Company. No. 91,590; May 13; Gaz. vol. 190; p. 544.
- Iron and steel sheets and plates and tin and terne plates. American Sheet & Tin Plate Company. No. 94,572; Dec. 23; Gaz. vol. 197; p. 991.
- Iron or steel hardening compounds. The Steel Improvement Company. No. 94,688; Dec. 23; Gaz. vol. 197; p. 994.
- Iron-rust remover. T. A. Pitt. No. 91,243; Apr. 22; Gaz. vol. 189; p. 1027.
- Iron, Stove. Detroit Stove Works. No. 91,863; June 3; Gaz. vol. 191; p. 288.
- Iron, Wrought. Sligo Iron & Steel Co. Nos. 91,708-9; May 20; Gaz. vol. 190; p. 789.
- Jabots, neckties, and neckscarfs. Warren W. Higgons Company. No. 90,437; Feb. 25; Gaz. vol. 187; p. 1112.
- Jams, jellies, preserves, and apple-butter, Fruit. Corn Products Refining Company. No. 90,172; Feb. 11; Gaz. vol. 187; p. 507.
- Jar-rings. The Imperial Merchandise Co. No. 94,452; Dec. 9; Gaz. vol. 197; p. 528.
- Jar rings, Fruit. Glocker Sanitary Jar Company. No. 92,889; Aug. 5; Gaz. vol. 193; p. 215.
- Jar rings, Fruit. Stone-Ordean-Wells Company. No. 93,213; Aug. 26; Gaz. vol. 193; p. 1013.

Alphabetical list of trade-marks—Continued.

- Jars, cans, bottles, &c., Caps, stoppers, and covers for. Paragon Metal Cap Co. No. 91,996; June 10; Gaz. vol. 191; p. 583.
- Jellies, fruit powders, &c., Food. Monkhouse and Glasscock. No. 93,887; Oct. 21; Gaz. vol. 195; p. 813.
- Jelly, Fruit. Corn Products Refining Company. No. 90,171; Feb. 11; Gaz. vol. 187; p. 507.
- Jelly-powder. E. C. Rich. No. 93,560; Sept. 23; Gaz. vol. 194; p. 948.
- Jewelers' saws. P. H. Gesswein & Company. No. 94,369; Dec. 2; Gaz. vol. 197; p. 235.
- Jewelry. J. Rosenblatt. No. 94,202; Nov. 11; Gaz. vol. 196; p. 522.
- Jewelry and precious-metal ware. Alland & Finkel. No. 92,384; July 8; Gaz. vol. 192; p. 511.
- Jewelry and precious-metal ware, Certain. E. B. Galt. No. 91,568; May 13; Gaz. vol. 190; p. 543.
- Jock-straps and suspensories. E. E. Mayer. No. 91,588; May 13; Gaz. vol. 190; p. 544.
- Kerchiefs and handkerchiefs. J. Robinson & Company. Nos. 89,774-5; Jan. 7; Gaz. vol. 186; p. 286.
- Kerchiefs and handkerchiefs. James R. Keiser, Inc. No. 90,349; Feb. 18; Gaz. vol. 187; p. 825.
- Kerchiefs and handkerchiefs. J. Robinson & Company. No. 92,264; June 24; Gaz. vol. 191; p. 1064.
- Kerchiefs and handkerchiefs. J. Robinson & Company. No. 93,754; Oct. 14; Gaz. vol. 195; p. 536.
- Kerosene. The Texas Company. No. 92,145; June 17; Gaz. vol. 191; p. 828.
- Kettles, Metal. The Jacob J. Vollrath Mfg. Co. No. 92,849; July 29; Gaz. vol. 192; p. 1257.
- Kinematographic and photographic films and plates. Compagnie Générale des Établissements Pathé Frères, Phonographe et Cinématographe. No. 93,971; Oct. 28; Gaz. vol. 195; p. 1045.
- Kinematographic apparatus and films and plates therefor. Compagnie Générale des Établissements Pathé Frères, Phonographe et Cinématographe. Nos. 94,600-3; Dec. 23; Gaz. vol. 197; p. 992.
- Knife and razor blades, Pocket-. The Canton Cutlery Company. No. 90,868; Apr. 1; Gaz. vol. 189; p. 247.
- Knives, planes, hammers, chisels, &c., Draw-. Hibbard, Spencer, Bartlett & Co. No. 91,340; Apr. 29; Gaz. vol. 189; p. 1276.
- Knives, razors, shears, scissors, &c. Schmachtenberg Brothers. No. 90,389; Feb. 18; Gaz. vol. 187; p. 826.
- Knives, scissors, scythes, sickles, &c. R. Middeldorf. No. 90,362; Feb. 18; Gaz. vol. 187; p. 825.
- Knives used in cutting-machines, Machine-. E. C. Atkins & Company. No. 94,415; Dec. 9; Gaz. vol. 197; p. 527.
- Knit mesh cloth. The Linen Underwear Co. No. 90,553; Mar. 4; Gaz. vol. 188; p. 238.
- Knit underwear. Norwich Knitting Co. No. 93,199; Aug. 26; Gaz. vol. 193; p. 1012.
- Knitted clothing, Certain named. Jacob Frank Mercantile Co. No. 93,172; Aug. 26; Gaz. vol. 193; p. 1012.
- Knitted combination-suits, shirts, and drawers. P. H. Hanes Knitting Co. No. 91,482; May 6; Gaz. vol. 190; p. 260.
- Knitted gloves, mittens, sweater-coats, &c. Hammond Knitting Co. No. 92,770; July 29; Gaz. vol. 192; p. 1255.
- Knitted neckwear. B. Weisberg. No. 92,750; July 22; Gaz. vol. 192; p. 987.
- Knitted, netted, and textile fabrics, Certain named. Henry E. Frankenberg Company. No. 91,654; May 20; Gaz. vol. 190; p. 787.
- Knitted, netted, and textile fabrics, Certain named. A. Wimpfheimer & Bro. No. 91,732; May 20; Gaz. vol. 190; p. 790.
- Knitted, netted, and textile fabrics, Certain named. M. Frings & Cie. Nos. 92,416-17; July 8; Gaz. vol. 192; p. 512.
- Knitted underwear. Ritesize Underwear Co. No. 91,798; May 27; Gaz. vol. 190; p. 1025.
- Knitted underwear. The Richmond Underwear Co. No. 92,830; July 29; Gaz. vol. 192; p. 1257.
- Knitted underwear. The Merit Underwear Co. No. 93,105; Aug. 19; Gaz. vol. 193; p. 750.
- Knitted underwear. Dessauer & Engel. No. 93,830; Oct. 21; Gaz. vol. 195; p. 812.
- Knitted underwear and hosiery. Carson, Pirie, Scott & Co. No. 89,814; Jan. 14; Gaz. vol. 186; p. 551.
- Knitted underwear, hosiery, and caps. The William Carter Company. No. 89,969; Jan. 21; Gaz. vol. 186; p. 795.
- Knitted underwear, hosiery, and caps. The William Carter Company. No. 90,091; Feb. 4; Gaz. vol. 187; p. 227.
- Knitted union suits. American Hosiery Company. No. 91,061; Apr. 15; Gaz. vol. 189; p. 775.
- Knitted union suits and drawers. J. Hirsh. No. 92,673; July 22; Gaz. vol. 192; p. 984.
- Knitted union underwear. Swiss American Knitting Mills. No. 93,218; Aug. 26; Gaz. vol. 193; p. 1013.
- Laces. Schaeffer & Company. No. 93,758; Oct. 14; Gaz. vol. 195; p. 536.
- Laces, Machine-made linen. Birkin & Co. No. 93,673; Oct. 14; Gaz. vol. 195; p. 533.
- Laces, Torchon. Fred. W. Millington Limited. No. 92,816; July 29; Gaz. vol. 192; p. 1256.
- Laces, shawls, and scarfs. Machenbach Importing Co. No. 94,098; Nov. 4; Gaz. vol. 196; p. 270.
- Lacing-tips. Joslin Mfg. Co. No. 91,671; May 20; Gaz. vol. 190; p. 788.
- Lacings and braid. Elmwood Mills. No. 91,954; June 10; Gaz. vol. 191; p. 582.
- Lacquer. Pittsburgh-Flickson Co. No. 93,291; Sept. 2; Gaz. vol. 194; p. 270.
- Lactic ferments. F. Roy. No. 91,702; May 20; Gaz. vol. 190; p. 789.
- Lagging. Foster's Adhesive Composition Company. No. 91,566; May 13; Gaz. vol. 190; p. 543.
- Lamp chimneys and reflectors, Metal. Société Anonyme Chauffage et Éclairage Sepulchre. No. 92,006; June 10; Gaz. vol. 191; p. 583.
- Lamp reflectors, Incandescent-electric. Straight Filament Lamp Company. No. 94,125; Nov. 4; Gaz. vol. 196; p. 271.
- Lamp shades, domes, and globes, Glass. Lighting Studios Company. No. 94,460; Dec. 9; Gaz. vol. 197; p. 528.
- Lamps and stoves, Alcohol. Geo. Borgfeldt & Co. No. 92,868; Aug. 5; Gaz. vol. 193; p. 215.
- Lamps, Candle-. The Will & Baumer Company. No. 92,928; Aug. 5; Gaz. vol. 193; p. 217.
- Lamps, Electric. Straight Filament Lamp Company. No. 90,063; Jan. 28; Gaz. vol. 186; p. 983.
- Lamps, Electric. The Hawthorne Manufacturing Company. No. 92,213; June 24; Gaz. vol. 191; p. 1062.
- Lamps, Electric-arc. Charles L. Kiewert Company. No. 92,562; July 15; Gaz. vol. 192; p. 739.
- Lamps, Gas-. The Nagel Chase Manufacturing Company. No. 91,503; May 6; Gaz. vol. 190; p. 261.
- Lamps, Incandescent electric. Societe La Mondaine. No. 93,933; Oct. 21; Gaz. vol. 195; p. 815.
- Lamps, Metal stand-. Scovill Manufacturing Company. No. 89,878; Jan. 14; Gaz. vol. 186; p. 553.
- Lampblack substitute. Industrial Chemical Company. No. 92,339; July 1; Gaz. vol. 192; p. 212.
- Lard. The Charles Wolff Packing Co. No. 91,286; Apr. 22; Gaz. vol. 189; p. 1029.
- Lard. The W. J. Wilcox Lard and Refining Company. No. 92,069; June 17; Gaz. vol. 191; p. 826.
- Lard. W. J. Wilcox Lard & Refining Company. No. 94,342; Nov. 25; Gaz. vol. 196; p. 1049.
- Lard, hams, bacon, cheese, &c. Hammond, Standish & Co. No. 91,481; May 6; Gaz. vol. 190; p. 260.
- Lard, hams, bacon, sausage, &c. Hammond, Standish & Co. No. 94,633; Dec. 23; Gaz. vol. 197; p. 993.
- Lard, pickled beef, and pork. Rohe & Brother. No. 90,923; Apr. 1; Gaz. vol. 189; p. 248.
- Lard substitute. Hammond, Standish & Co. No. 92,978; Aug. 12; Gaz. vol. 193; p. 504.
- Lard substitute. Sears, Roebuck and Co. No. 94,401; Dec. 2; Gaz. vol. 197; p. 236.
- Lath, Expanded-metal. Northwestern Expanded Metal Co. No. 92,256; June 24; Gaz. vol. 191; p. 1064.
- Lathing, wall-ties, &c., Metal. The General Fireproofing Company. No. 93,348; Sept. 9; Gaz. vol. 194; p. 546.
- Lathes. The National Acme Manufacturing Company. No. 89,765; Jan. 7; Gaz. vol. 186; p. 286.
- Lathes and drills. Reed-Prentice Company. No. 92,467; July 8; Gaz. vol. 192; p. 513.
- Laundry boxes, bags, and cartons. J. A. Anderson. No. 94,577; Dec. 23; Gaz. vol. 197; p. 991.
- Lawns. H. T. Boyd & Co. No. 90,411; Feb. 25; Gaz. vol. 187; p. 1111.
- Laxative. C. J. Dobrocinski. No. 93,976; Oct. 28; Gaz. vol. 195; p. 1045.
- Laxative. F. H. Strong Company. No. 94,504; Dec. 9; Gaz. vol. 197; p. 530.
- Laxative and liver corrective. Wills-Armes Co. No. 93,251; Aug. 26; Gaz. vol. 193; p. 1014.
- Laxative capsules. M. C. Trichel. No. 92,377; July 1; Gaz. vol. 192; p. 213.
- Laxative cathartic and diuretic. S. B. Hambly. No. 94,371; Dec. 2; Gaz. vol. 197; p. 236.
- Laxative, cathartic, hepatic stimulant, &c. Bristol-Myers Company. No. 91,642; May 20; Gaz. vol. 190; p. 787.
- Laxative, liver- tonic, &c. W. D. Taylor & Co. No. 94,223; Nov. 11; Gaz. vol. 196; p. 523.
- Laxative preparations. Chemische Fabrik Helfenberg A. G. vorm. Eugen Dieterich. No. 94,062; Nov. 4; Gaz. vol. 196; p. 269.
- Laxative tablet. F. Healy. No. 91,870; June 3; Gaz. vol. 191; p. 288.
- Laxatives. W. E. Derry, M. D. Inc. No. 94,548; Dec. 16; Gaz. vol. 197; p. 777.
- Laxatives and cathartics. T. D. McKee. No. 90,123; Feb. 4; Gaz. vol. 187; p. 228.
- Laxatives and cathartics, ointments, vermifuges, and corn medicine. Badger Medicine Company. No. 92,620; July 22; Gaz. vol. 192; p. 983.
- Lead, White. Vane-Calvert Paint Co. No. 89,895; Jan. 14; Gaz. vol. 186; p. 554.
- Leather. Wilder & Company. No. 90,275; Feb. 11; Gaz. vol. 187; p. 510.

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- Leather. The Lackawanna Leather Co. No. 93,540; Sept. 23; Gaz. vol. 194; p. 947.
- Leather. Krieg Tanning Company. No. 94,185; Nov. 11; Gaz. vol. 196; p. 522.
- Leather. Corona Kid Manufacturing Company. No. 94,427; Dec. 9; Gaz. vol. 197; p. 527.
- Leather and rubber dressing, Liquid. Phelps Manufacturing Company. No. 94,748; Dec. 30; Gaz. vol. 197; p. 1288.
- Leather-blackening. Nubian Manufacturing Company. No. 93,554; Sept. 23; Gaz. vol. 194; p. 948.
- Leather. Chrome-. Wilder Manning Tanning Co. No. 90,276; Feb. 11; Gaz. vol. 187; p. 510.
- Leather-cleaning preparation. M. J. Saperston. No. 93,757; Oct. 14; Gaz. vol. 195; p. 536.
- Leather-dressing. Whittemore Brothers and Company. No. 90,274; Feb. 11; Gaz. vol. 187; p. 511.
- Leather-dressing. M. Clinton. No. 92,644; July 22; Gaz. vol. 192; p. 984.
- Leather dressings and polishes. The Gum Tragacanth Supply Company. Nos. 92,071-2; June 17; Gaz. vol. 191; p. 826.
- Leather, Finished. E. & J. Richardson. No. 90,244; Feb. 11; Gaz. vol. 187; p. 509.
- Leather for boots and shoes. Foot, Schulze & Co. No. 90,187; Feb. 11; Gaz. vol. 187; p. 508.
- Leather, Harness-. J. G. Hoffmann & Sons Company. No. 92,893; Aug. 5; Gaz. vol. 193; p. 216.
- Leather, Patent side. New Castle Leather Co. No. 93,747; Oct. 14; Gaz. vol. 195; p. 535.
- Leather-preserving compound. H. Mackay. No. 92,900; Aug. 5; Gaz. vol. 193; p. 216.
- Leather-renovating liquid. Imperial Car Cleaner Co. No. 90,213; Feb. 11; Gaz. vol. 187; p. 508.
- Leather-softening preparation. E. F. Houghton & Company. No. 92,219; June 24; Gaz. vol. 191; p. 1063.
- Leather strips. N. R. Allen's Sons Company. No. 94,707; Dec. 30; Gaz. vol. 197; p. 1287.
- Leather, Suede. Castle Kid Co. No. 93,686; Oct. 14; Gaz. vol. 195; p. 534.
- Leather, Tanned calf. Hunt-Rankin Leather Company. No. 90,021; Jan. 28; Gaz. vol. 186; p. 982.
- Leggings. C. W. Dulles. No. 92,654; July 22; Gaz. vol. 192; p. 984.
- Lemons. C. D. Hubbard Fruit Company. No. 91,348; Apr. 29; Gaz. vol. 189; p. 1276.
- Lens systems, Objective-. Firm of C. Zeiss. No. 94,409; Dec. 2; Gaz. vol. 197; p. 237.
- Lenses. United Bifocal Co. No. 90,394; Feb. 18; Gaz. vol. 187; p. 826.
- Lenses. United States Lens Company. No. 91,398; Apr. 29; Gaz. vol. 189; p. 1278.
- Lenses, Optical and other. E. H. Silver. No. 90,748; Mar. 18; Gaz. vol. 188; p. 805.
- Lettuce and fresh limes, Fresh leaf-. W. H. J. Kavanagh. No. 91,582; May 13; Gaz. vol. 190; p. 544.
- Leucite, phonolite. Gewerkschaft Leuchtenburg. No. 90,802; Mar. 25; Gaz. vol. 188; p. 1048.
- Lifting-jacks. The Joyce-Cridland Company. No. 90,344; Feb. 18; Gaz. vol. 187; p. 825.
- Lighting apparatus, not electrical, and parts thereof. Certain. Pittsburgh Lamp, Brass & Glass Company. No. 92,712; July 22; Gaz. vol. 192; p. 986.
- Lighting-fixtures, &c., Supports or stands for. The Mitchell Vance Company. No. 90,647; Mar. 11; Gaz. vol. 188; p. 510.
- Lime. The Moores Lime Co. No. 91,979; June 10; Gaz. vol. 191; p. 582.
- Lime. Marblehead Lime Company. Nos. 92,245-6; June 24; Gaz. vol. 191; p. 1063.
- Lime. Louisville Cement Company. No. 94,095; Nov. 4; Gaz. vol. 196; p. 270.
- Lime, Hydrated. The National Lime & Stone Co. No. 94,103; Nov. 4; Gaz. vol. 196; p. 270.
- Lime, Manufactured. Pacific Lime & Gypsum Company. No. 93,374; Sept. 9; Gaz. vol. 194; p. 546.
- Liniment. W. F. Young. No. 89,786; Jan. 7; Gaz. vol. 186; p. 286.
- Liniment. J. Linhart. No. 90,122; Feb. 4; Gaz. vol. 187; p. 228.
- Liniment. Davis and Lawrence Co. No. 90,515; Mar. 4; Gaz. vol. 188; p. 237.
- Liniment. E. B. Fults. No. 90,695; Mar. 18; Gaz. vol. 188; p. 803.
- Liniment. R. A. Hays. No. 90,701; Mar. 18; Gaz. vol. 188; p. 804.
- Liniment. W. S. Thompson. No. 90,759; Mar. 18; Gaz. vol. 188; p. 805.
- Liniment. E. P. Bond. No. 92,173; June 24; Gaz. vol. 191; p. 1061.
- Liniment. J. A. Poindexter. No. 93,556; Sept. 23; Gaz. vol. 194; p. 948.
- Liniment. J. A. Kimball. No. 93,637; Oct. 7; Gaz. vol. 195; p. 271.
- Liniment. C. L. Brewer. No. 93,680; Oct. 14; Gaz. vol. 195; p. 533.
- Liniment. D. Mottura. No. 94,018; Oct. 28; Gaz. vol. 195; p. 1047.
- Liniment. The O'Sullivan Specialties Company. No. 94,025; Oct. 28; Gaz. vol. 195; p. 1047.
- Liniment. J. Klemak. No. 94,184; Nov. 11; Gaz. vol. 196; p. 522.
- Liniment. Speedway Remedy Co. No. 94,257; Nov. 18; Gaz. vol. 196; p. 801.
- Liniment. Trib Company. No. 94,694; Dec. 23; Gaz. vol. 197; p. 994.
- Liniment and remedies for certain named diseases. M. R. Tipton. No. 90,597; Mar. 4; Gaz. vol. 188; p. 240.
- Liniment and salve. C. Davis. No. 92,961; Aug. 12; Gaz. vol. 193; p. 504.
- Liniment, cough-syrup, ointment, &c. C. Kerns. No. 94,456; Dec. 9; Gaz. vol. 197; p. 528.
- Liniment for rheumatism. J. J. Tighe. No. 94,334; Nov. 25; Gaz. vol. 196; p. 1049.
- Liniment, Oil. The Dr. J. H. McLean Medicine Company. Nos. 91,890-1; June 3; Gaz. vol. 191; p. 289.
- Liniment, tooth-paste, laxative, pills, &c. Scotch-Tone Remedy Co. No. 93,928; Oct. 21; Gaz. vol. 195; p. 814.
- Liniments. Lindsey & Geer. No. 89,931; Jan. 21; Gaz. vol. 186; p. 794.
- Liniments. E. S. Rhodes. No. 89,950; Jan. 21; Gaz. vol. 186; p. 794.
- Liniments. McCormick & Co. No. 90,224; Feb. 11; Gaz. vol. 187; p. 509.
- Liniments. A. J. Woolaver. No. 90,769; Mar. 18; Gaz. vol. 188; p. 806.
- Liniments. Rheumol Remedy Company. No. 92,000; June 10; Gaz. vol. 191; p. 583.
- Liniments. I. Hartstein. No. 92,073; June 17; Gaz. vol. 191; p. 826.
- Liniments. B. F. Mayhew. No. 92,247; June 24; Gaz. vol. 191; p. 1063.
- Linotype supplies. Mergenthaler Linotype Co. No. 90,360; Feb. 18; Gaz. vol. 187; p. 825.
- Liqueur. R. Vlahov. No. 93,942; Oct. 21; Gaz. vol. 195; p. 815.
- Liqueur. E. de Laage. No. 94,272; Nov. 25; Gaz. vol. 196; p. 1047.
- Liqueur. Cointreau Pere et Fils. No. 94,714; Dec. 30; Gaz. vol. 197; p. 1287.
- Liqueurs. Société Anonyme de la Vieille Cure de Cenon. No. 91,042; Apr. 8; Gaz. vol. 189; p. 520.
- Liqueurs. La Union Agrícola Sociedad Anonima. Nos. 93,541-8; Sept. 23; Gaz. vol. 194; p. 948.
- Liquid for killing screw-worms. Patton Worsham Drug Co. No. 90,570; Mar. 4; Gaz. vol. 188; p. 239.
- Lithographic stones. Fischer & Kluge. No. 93,597; Sept. 30; Gaz. vol. 194; p. 1137.
- Lock-washers. Universal Lock-Washer Co. No. 94,131; Nov. 4; Gaz. vol. 196; p. 271.
- Locks and latches. Lancaster Foundry Company. No. 91,220; Apr. 22; Gaz. vol. 189; p. 1027.
- Locks, Door-. E. R. Fuchs. No. 94,281; Nov. 25; Gaz. vol. 196; p. 1047.
- Loom-pickers. Holbrook Raw Hide Company. No. 90,332; Feb. 18; Gaz. vol. 187; p. 824.
- Loom-templates and parts thereof. Draper Company. No. 90,797; Mar. 25; Gaz. vol. 188; p. 1047.
- Lotion, Antipruritic and antiseptic. Ohio Valley Drug Co. No. 89,943; Jan. 21; Gaz. vol. 186; p. 794.
- Lotion for skin diseases. D. Harr. No. 92,552; July 15; Gaz. vol. 192; p. 738.
- Lotion, ointment, powders, cream, and hair-tonic. Marlborough Company. No. 90,557; Mar. 4; Gaz. vol. 188; p. 239.
- Lotion or balm for chapped hands. Glamser Venn Drug Company. No. 94,553; Dec. 16; Gaz. vol. 197; p. 777.
- Lotion, Skin-. J. W. Brooks & Co. No. 92,041; June 17; Gaz. vol. 191; p. 825.
- Lotion, Toilet. M. A. Archer. No. 90,085; Feb. 4; Gaz. vol. 187; p. 227.
- Lumber, Artificial. Northwestern Compo Board Co. No. 94,745; Dec. 30; Gaz. vol. 197; p. 1288.
- Lumber, flooring, siding, and shingles. The Transfer Lumber & Shingle Co. No. 92,013; June 10; Gaz. vol. 191; p. 583.
- Macaroni. The Atlantic Macaroni Co. Nos. 89,797-807; Jan. 14; Gaz. vol. 186; p. 551.
- Macaroni. Mother's Macaroni Company. No. 90,907; Apr. 1; Gaz. vol. 189; p. 248.
- Macaroni. F. Bowman. No. 92,039; June 17; Gaz. vol. 191; p. 825.
- Macaroni. The Atlantic Macaroni Co. No. 92,163; June 24; Gaz. vol. 191; p. 1061.
- Macaroni. The Atlantic Macaroni Co. No. 92,937; Aug. 12; Gaz. vol. 193; p. 503.
- Macaroni. The Atlantic Macaroni Co. No. 93,227; Aug. 26; Gaz. vol. 193; p. 1013.
- Macaroni. The Atlantic Macaroni Co. No. 94,157; Nov. 11; Gaz. vol. 196; p. 521.
- Macaroni. J. Petrocelli & Company. No. 94,320; Nov. 25; Gaz. vol. 196; p. 1048.
- Macaroni. Musolino & Berger. No. 94,659; Dec. 23; Gaz. vol. 197; p. 993.
- Macaroni, rice, and kippered herring. The Laffray & Herrman Co. No. 93,872; Oct. 21; Gaz. vol. 195; p. 813.

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- Macaroni, spaghetti, and vermicelli. The Uncle Sam's Macaroni Co. No. 92,846; July 29; Gaz. vol. 192; p. 1257.
- Macaroni, spaghetti, vermicelli, and egg-noodles. F. A. Martocello Macaroni Company. No. 94,294; Nov. 25; Gaz. vol. 196; p. 1048.
- Macaroni, vermicelli, spaghetti, and noodles. P. Daussa & Co. No. 93,083; Aug. 19; Gaz. vol. 193; p. 749.
- Machinery and parts thereof, Certain named. Deutsche Maschinenfabrik Aktien Gesellschaft. No. 94,274; Nov. 25; Gaz. vol. 196; p. 1047.
- Machinery and tools and parts thereof, Certain. Sprout, Waldron & Co. No. 91,615; May 13; Gaz. vol. 190; p. 545.
- Machinery and tools and parts thereof, Certain. Buffalo Steam Roller Company. No. 92,043; June 17; Gaz. vol. 191; p. 825.
- Machinery and tools and parts thereof, Certain named. A/B B. A. Hjorth & Co. No. 93,992; Oct. 28; Gaz. vol. 195; p. 1046.
- Machinery castings and forgings, Certain named. Daimler-Motoren-Gesellschaft. Nos. 91,855-6; June 3; Gaz. vol. 191; pp. 287-8.
- Machinery, tools, and parts, Certain. S. R. White's Sons. No. 91,623; May 13; Gaz. vol. 190; p. 545.
- Machinery, tools, and parts thereof, Certain. Atlanta Utility Works. No. 91,545; May 13; Gaz. vol. 190; p. 543.
- Machinery, tools, and parts thereof, Certain. The American Multigraph Sales Company. No. 92,385; July 8; Gaz. vol. 192; p. 511.
- Machinery, tools, and parts thereof, Certain. International Harvester Corporation. No. 93,358; Sept. 9; Gaz. vol. 194; p. 546.
- Machines, Certain named. General Composing Company, Gesellschaft mit beschränkter Haftung. No. 94,440; Dec. 9; Gaz. vol. 197; p. 528.
- Machines, cutlery, and tools, Certain named. The Mine and Smelter Supply Co. No. 94,194; Nov. 11; Gaz. vol. 196; p. 522.
- Magazine. The Agricultural Publishing Company. No. 89,790; Jan. 14; Gaz. vol. 186; p. 551.
- Magazine. F. King. No. 91,490; May 6; Gaz. vol. 190; p. 260.
- Magazine. The American Humane Association. No. 92,161; June 24; Gaz. vol. 191; p. 1061.
- Magazine. J. Yoho. No. 92,307; June 24; Gaz. vol. 191; p. 1065.
- Magazine. Country Life Publishing Company. No. 92,957; Aug. 12; Gaz. vol. 193; p. 503.
- Magazine. Chained Lightning Publishing Co. No. 93,687; Oct. 14; Gaz. vol. 195; p. 534.
- Magazine, Monthly. George H. Currier Co. No. 89,820; Jan. 14; Gaz. vol. 186; p. 552.
- Magazine, Monthly. Farm Life Pub. Co. No. 90,180; Feb. 11; Gaz. vol. 187; p. 507.
- Magazine, Monthly. Popular Engineering Publishing Company. No. 92,713; July 22; Gaz. vol. 192; p. 986.
- Magazine, Monthly. E. E. Barley. No. 93,323; Sept. 9; Gaz. vol. 194; p. 545.
- Magazine, Monthly. Paris-New York Fashion Co. No. 93,375; Sept. 9; Gaz. vol. 194; p. 546.
- Magazine, Monthly. Austin Brothers. No. 93,587; Sept. 30; Gaz. vol. 194; p. 1137.
- Magazine, Monthly. The Angus Company. No. 93,659; Oct. 14; Gaz. vol. 195; p. 533.
- Magazine, Monthly. The Electro Importing Company. No. 94,721; Dec. 30; Gaz. vol. 197; p. 1287.
- Magazine or publication. The Farm Press Publishing Co. No. 92,882; Aug. 5; Gaz. vol. 193; p. 215.
- Magazine, Periodical. American Home Magazine Company. No. 91,303; Apr. 29; Gaz. vol. 189; p. 1275.
- Magazine, Periodical. Co-operative Merchandising Service Co. No. 91,947; June 10; Gaz. vol. 191; p. 581.
- Magazine, Periodically-published. The Home Pattern Company. No. 91,486; May 6; Gaz. vol. 190; p. 260.
- Magazine, Quarterly. The Class Journal Co. No. 90,096; Feb. 4; Gaz. vol. 187; p. 227.
- Magazine, Quarterly. J. I. Case Plow Works. No. 92,181; June 24; Gaz. vol. 191; p. 1061.
- Magazine, Semimonthly. American Association of Foreign Language Newspapers. No. 94,412; Dec. 9; Gaz. vol. 197; p. 527.
- Magazine, Weekly. The Modern Miller Company. No. 91,363; Apr. 29; Gaz. vol. 189; p. 1277.
- Magazine, Weekly. Stoves & Hardware Publishing Company. No. 91,814; May 27; Gaz. vol. 190; p. 1025.
- Magazines, Monthly. The Four Seas Company. No. 91,336; Apr. 29; Gaz. vol. 189; p. 1276.
- Magazines, Monthly. J. R. McCleskey. No. 92,704; July 22; Gaz. vol. 192; p. 985.
- Magazines, Serial. Orange Judd Company. No. 91,022; Apr. 8; Gaz. vol. 189; p. 519.
- Magnetos. Henricks Novelty Co. No. 90,702; Mar. 18; Gaz. vol. 188; p. 804.
- Magnetos. Remy Electric Co. No. 92,124; June 17; Gaz. vol. 191; p. 827.
- Magnetos and ignition-distributors. The High Frequency Ignition Coil Company. No. 91,341; Apr. 29; Gaz. vol. 189; p. 1276.
- Malines, chiffons, and net goods. The Touraine Co. No. 94,129; Nov. 4; Gaz. vol. 196; p. 271.
- Malt. M. Weyermann. No. 90,272; Feb. 11; Gaz. vol. 187; p. 510.
- Malt beverage. Fresno Brewing Co. No. 90,319; Feb. 18; Gaz. vol. 187; p. 824.
- Malt, Brewers' and distillers'. Electric Malting Co. No. 93,526; Sept. 23; Gaz. vol. 194; p. 947.
- Malt extract. H. S. Wellcome. No. 92,492; July 8; Gaz. vol. 192; p. 514.
- Malt extract. David Nicholson Grocer Company. No. 94,482; Dec. 9; Gaz. vol. 197; p. 529.
- Malt liquors. W. Linck & Sons. No. 90,717; Mar. 18; Gaz. vol. 188; p. 804.
- Mandolins. H. A. Weymann & Son. No. 93,788; Oct. 14; Gaz. vol. 195; p. 537.
- Manicure files and buffers, cuticle and corn knives, and scissors. J. C. Dowd & Co. No. 94,067; Nov. 4; Gaz. vol. 196; p. 269.
- Manicure files and buffers, cuticle and corn knives, and scissors. Pacific Novelty Company. No. 94,110; Nov. 4; Gaz. vol. 196; p. 271.
- Manicuring hand polishers, buffers, and enamelers. Roller Polisher Company. No. 92,717; July 22; Gaz. vol. 192; p. 986.
- Manicuring hand polishers, buffers, and enamelers. Roller Polisher Company. No. 94,398; Dec. 2; Gaz. vol. 197; p. 236.
- Mantles. The Mantle Lamp Company of America. No. 90,646; Mar. 11; Gaz. vol. 188; p. 510.
- Manure-spreaders. D. M. Sechler Implement & Carriage Co. No. 94,675; Dec. 23; Gaz. vol. 197; p. 994.
- Marble, Crushed. The Artificial Flower Co. No. 92,865; Aug. 5; Gaz. vol. 193; p. 215.
- Margarin. H. Schlinck & Cie. A. G. No. 91,806; May 27; Gaz. vol. 190; p. 1025.
- Massage apparatus, Electric vibratory. The Sanax Co. No. 93,206; Aug. 26; Gaz. vol. 193; p. 1012.
- Massage-vibrators. Vibrako Company. No. 94,260; Nov. 18; Gaz. vol. 196; p. 801.
- Match-holders, Leather. L. M. Pick. No. 92,259; June 24; Gaz. vol. 191; p. 1064.
- Matches. Maguire Miller & Co. No. 90,453; Feb. 25; Gaz. vol. 187; p. 1112.
- Matches. Jönköpings och Vulcans Tändsticksfabriksaktiebolag. No. 90,643; Mar. 11; Gaz. vol. 188; p. 509.
- Matches. Grantorpets Tändsticksfabriks Aktiebolag. No. 90,803; Mar. 25; Gaz. vol. 188; p. 1048.
- Matches. Aktieselskabet H. E. Gosch & Co.'s Tændstikfabriker Og Aktietændstikfabriken Godthaab. No. 91,657; May 20; Gaz. vol. 190; p. 788.
- Matches. Jönköpings och Vulcans Tändsticksfabriksaktiebolag. Nos. 91,668-70; May 20; Gaz. vol. 190; p. 788.
- Matches. Nitedals Tændstikfabrik. Nos. 91,987-92; June 10; Gaz. vol. 191; p. 583.
- Matches. Junebro Aktiebolag. No. 92,026; June 17; Gaz. vol. 191; p. 825.
- Matches. Nitedals Tændstikfabrik. No. 92,906; Aug. 5; Gaz. vol. 193; p. 216.
- Matches, fire igniters and kindlers, &c. Eugen Zimmermann & Co. G. m. b. H. No. 93,405; Sept. 9; Gaz. vol. 194; p. 547.
- Matches, Safety-. Tower Manufacturing & Novelty Co. No. 90,261; Feb. 11; Gaz. vol. 187; p. 510.
- Matrices. Mergenthaler Linotype Company. No. 92,096; June 17; Gaz. vol. 191; p. 827.
- Mattresses. Acme Mattress Company. No. 93,143; Aug. 26; Gaz. vol. 193; p. 1011.
- Mattresses and box-springs. Jacob Kaiser Mfg. Co. No. 92,680; July 22; Gaz. vol. 192; p. 985.
- Mattresses and pillows. Schmitt & Henry Manufacturing Company. No. 93,384; Sept. 9; Gaz. vol. 194; p. 547.
- Meal, coffee substitute, and breakfast food. Parent Seven Grain Food Company. No. 93,900; Oct. 21; Gaz. vol. 195; p. 814.
- Meal or flour, Compound. R. G. Jackson. No. 94,454; Dec. 9; Gaz. vol. 197; p. 528.
- Meal, Wheat. Pillsbury Flour Mills Company. No. 93,021; Aug. 12; Gaz. vol. 193; p. 505.
- Measures, Liquid-. C. H. Arwe. No. 93,255; Sept. 2; Gaz. vol. 194; p. 269.
- Measuring and packaging machines, Automatic. Porter Metal Manufacturing Company. No. 90,918; Apr. 1; Gaz. vol. 189; p. 248.
- Measuring and scientific appliances, Certain. American Optical Company. No. 92,386; July 8; Gaz. vol. 192; p. 511.
- Measuring and scientific appliances, Certain. Compagnie Générale des Etablissements Pathé Frères (Phonographe & Cinématographe). No. 92,404; July 8; Gaz. vol. 192; p. 511.
- Measuring and scientific appliances, Certain. W. H. Brown. No. 92,945; Aug. 12; Gaz. vol. 193; p. 503.
- Measuring and scientific appliances, Certain named. Tower Manufacturing & Novelty Co. No. 91,046; Apr. 8; Gaz. vol. 189; p. 520.
- Measuring and scientific appliances, Certain named. Societe "Savoia Film." No. 91,612; May 13; Gaz. vol. 190; p. 545.

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- Measuring and scientific appliances, Certain named. M. Singer. No. 91,909; June 3; Gaz. vol. 191; p. 289.
- Measuring and scientific appliances, Certain named. Société Anonyme des Cellulose Planchon. No. 92,276; June 24; Gaz. vol. 191; p. 1064.
- Measuring and scientific appliances, Certain named. Ica Aktiengesellschaft. No. 92,309; July 1; Gaz. vol. 192; p. 211.
- Measuring and scientific appliances, Certain named. Daimler-Motoren-Gesellschaft. Nos. 92,537-8; July 15; Gaz. vol. 192; p. 738.
- Measuring and scientific appliances, Certain named. C. Zeiss. Nos. 93,577-82; Sept. 23; Gaz. vol. 194; p. 949.
- Measuring and scientific appliances, Certain named. The American Photographic Text Book Company. No. 94,414; Dec. 9; Gaz. vol. 197; p. 527.
- Measuring apparatus, Gaseous-fluid-. Rotary Meter Company. No. 94,763; Dec. 30; Gaz. vol. 197; p. 1288.
- Measuring instruments, Certain named. Henry Disston & Sons. No. 90,000; Jan. 28; Gaz. vol. 186; p. 982.
- Medical and surgical appliances, Certain. Johnson & Johnson. No. 92,678; July 2; Gaz. vol. 192; p. 985.
- Medical and surgical appliances, Certain named. Geo. Borgfeldt & Co. No. 92,174; June 24; Gaz. vol. 191; p. 1061.
- Medical tablets. The Perron Laboratory. No. 90,574; Mar. 4; Gaz. vol. 188; p. 239.
- Medicated cotton-batting. The To-Kalon Manufacturing Company. No. 93,777; Oct. 14; Gaz. vol. 195; p. 536.
- Medicated cream as an antiseptic and remedy for skin affections. O. C. Meyer. No. 91,003; Apr. 8; Gaz. vol. 189; p. 518.
- Medicated gin. Weiss & Rauscher. No. 94,702; Dec. 23; Gaz. vol. 197; p. 995.
- Medicated inhaler. Cockburn & Co. No. 91,851; June 3; Gaz. vol. 191; p. 287.
- Medicated lozenge. E. Berger & Co. No. 94,593; Dec. 23; Gaz. vol. 197; p. 991.
- Medicated pastils and lozenges. S. A. Grau. No. 89,953; Jan. 21; Gaz. vol. 186; p. 794.
- Medicated pastils and lozenges. S. A. Grau. No. 89,955; Jan. 21; Gaz. vol. 186; p. 794.
- Medicated pastils and lozenges. S. A. Grau. No. 91,200; Apr. 22; Gaz. vol. 189; p. 1026.
- Medicated plaster. H. G. Davis. No. 90,686; Mar. 18; Gaz. vol. 188; p. 803.
- Medicated salt. N. D. Norton. No. 90,130; Feb. 4; Gaz. vol. 187; p. 228.
- Medicated salt, hog remedy, horse and cattle powder, &c. Moorman Mfg. Co. No. 91,788; May 27; Gaz. vol. 190; p. 1024.
- Medicated tonic food. Southall Brothers and Barclay. No. 94,256; Nov. 18; Gaz. vol. 196; p. 801.
- Medicinal agents for treatment of constipation. The Max-i-mol Pharmacal Company. No. 93,553; Sept. 23; Gaz. vol. 194; p. 948.
- Medicinal bitters. H. Beimer. No. 93,958; Oct. 28; Gaz. vol. 195; p. 1045.
- Medicinal lotion. H. B. Fox. No. 93,840; Oct. 21; Gaz. vol. 195; p. 812.
- Medicinal plaster. G. W. Murray. No. 93,456; Sept. 16; Gaz. vol. 194; p. 740.
- Medicinal plasters. B. Grisi. No. 90,199; Feb. 11; Gaz. vol. 187; p. 508.
- Medicinal plasters. Johnson & Johnson. No. 92,431; July 8; Gaz. vol. 192; p. 512.
- Medicinal plasters, salves, &c. Dr. Rudolf Reiss. No. 92,365; July 1; Gaz. vol. 192; p. 212.
- Medicinal powder. M. J. Stebbins. No. 89,962; Jan. 21; Gaz. vol. 186; p. 794.
- Medicinal powder. J. H. Crenshaw. No. 90,684; Mar. 18; Gaz. vol. 188; p. 803.
- Medicinal preparation. W. B. Jones. No. 92,227; June 24; Gaz. vol. 191; p. 1063.
- Medicinal preparation. Allen & Hanburys, Limited. No. 94,411; Dec. 9; Gaz. vol. 197; p. 527.
- Medicinal preparation. National Remedy Company. No. 94,481; Dec. 9; Gaz. vol. 197; p. 529.
- Medicinal preparation for rheumatism. M. E. Sallanse. No. 93,027; Aug. 12; Gaz. vol. 193; p. 505.
- Medicinal preparation for skin affections. G. G. Thomas. No. 90,143; Feb. 4; Gaz. vol. 187; p. 228.
- Medicinal preparation for the digestion. T. H. Harris. No. 93,990; Oct. 28; Gaz. vol. 195; p. 1046.
- Medicinal preparation for the treatment of rheumatism, neuralgia, strains, cuts, &c. The Effectine Company. No. 94,621; Dec. 23; Gaz. vol. 197; p. 992.
- Medicinal preparations. J. S. Atkins. No. 89,733; Jan. 7; Gaz. vol. 186; p. 285.
- Medicinal preparations. J. P. Witt. No. 93,949; Oct. 21; Gaz. vol. 195; p. 815.
- Medicinal preparations, Effervescent. A. Bishop Limited. No. 90,500; Mar. 4; Gaz. vol. 188; p. 237.
- Medicinal product. A. von Foehl. Nos. 90,765-6; Mar. 18; Gaz. vol. 188; p. 806.
- Medicinal remedy for certain named diseases. B. L. Maltbie. No. 94,789; Dec. 30; Gaz. vol. 197; p. 1289.
- Medicinal salts. E. Griffiths Hughes (Krüschén). No. 90,115; Feb. 4; Gaz. vol. 187; p. 228.
- Medicinal substances. H. S. Wellcome. No. 90,861; Mar. 25; Gaz. vol. 188; p. 1049.
- Medicinal tablets. The Antikamnia Chemical Company. No. 91,445; May 6; Gaz. vol. 190; p. 258.
- Medicinal tonic. Voigt & Co. No. 91,723; May 20; Gaz. vol. 190; p. 790.
- Medicinal tonic. The Sydney Ross Co. No. 92,376; July 1; Gaz. vol. 192; p. 213.
- Medicinal tonic preparation. Chester Kent & Co. No. 94,557; Dec. 16; Gaz. vol. 197; p. 777.
- Medicine and pharmaceutical preparations, Certain. W. M. Bates. No. 91,410; Apr. 29; Gaz. vol. 189; p. 1278.
- Medicine for blood diseases. F. X. Braun. No. 94,052; Nov. 4; Gaz. vol. 196; p. 269.
- Medicine for gout, rheumatism, lumbago, and sciatica. D. Foulis. No. 94,551; Dec. 16; Gaz. vol. 197; p. 777.
- Medicine, Hog-cholera. G. Lipe. No. 91,777; May 27; Gaz. vol. 190; p. 1024.
- Medicine-tablets. Vincenty Hnös. No. 91,485; May 6; Gaz. vol. 190; p. 260.
- Medicines and pharmaceutical preparations, Certain. J. C. Ayer Company. No. 91,936; June 10; Gaz. vol. 191; p. 581.
- Medicines and pharmaceutical preparations, Certain named. Interstate Commerce Co. No. 89,757; Jan. 7; Gaz. vol. 186; p. 285.
- Medicines and pharmaceutical preparations, Certain named. Druggists' Co-operative Association. No. 91,080; Apr. 15; Gaz. vol. 189; p. 775.
- Medicines and pharmaceutical preparations, Certain named. M. Niven. No. 91,236; Apr. 22; Gaz. vol. 189; p. 1027.
- Medicines for burns, wounds, erysipelas, &c. The Déclat Manufacturing Co. No. 93,429; Sept. 16; Gaz. vol. 194; p. 739.
- Medicines for constipation, dyspepsia, and headache. W. D. Fitzpatrick. No. 91,186; Apr. 22; Gaz. vol. 189; p. 1026.
- Medicines, preparations, or compounds used in treating certain named diseases. The Dr. J. H. McLean Medicine Company. Nos. 91,981-6; June 10; Gaz. vol. 191; p. 582.
- Medicines, Rheumatic. W. F. MacCready. No. 93,453; Sept. 16; Gaz. vol. 194; p. 740.
- Medicines, tonic, alternative, &c. Wells & Richardson Company. No. 91,728; May 20; Gaz. vol. 190; p. 790.
- Menstrual protectors. E. G. McGinley. No. 92,249; June 24; Gaz. vol. 191; p. 1063.
- Menthol-ice. Menthol-ice Manufacturing Co. No. 94,248; Nov. 18; Gaz. vol. 196; p. 801.
- Mercurial preparations. Dr. Bayer és Társa. No. 92,622; July 22; Gaz. vol. 192; p. 983.
- Metal, Babbitt. J. D. Streett & Company. No. 93,935; Oct. 21; Gaz. vol. 195; p. 815.
- Metal cleaning and polishing compound. A. De Hayes Co. No. 90,972; Apr. 8; Gaz. vol. 189; p. 518.
- Metal, Expanded. The Expanded Metal Company. No. 92,204; June 24; Gaz. vol. 191; p. 1062.
- Metal plates, strips, and insulated wire. Driver-Harris Wire Co. No. 93,342; Sept. 9; Gaz. vol. 194; p. 545.
- Metal-polish. The Northwestern Chemical Co. No. 90,368; Feb. 18; Gaz. vol. 187; p. 825.
- Metal-polish. Kant Bt-It Polish Co. No. 90,446; Feb. 25; Gaz. vol. 187; p. 1112.
- Metal-polish. J. D. Waterman. No. 90,491; Feb. 25; Gaz. vol. 187; p. 1113.
- Metal-polish. W. J. Scherer. No. 90,586; Mar. 4; Gaz. vol. 188; p. 239.
- Metal-polish. W. C. Shackelton. No. 91,040; Apr. 8; Gaz. vol. 189; p. 520.
- Metal-polish. Chemical Manufacturing Company. No. 91,170; Apr. 22; Gaz. vol. 189; p. 1025.
- Metal-polish. E. Bowser. No. 91,844; June 3; Gaz. vol. 191; p. 287.
- Metal-polish. The Washington Metal Polish Co. No. 91,923; June 3; Gaz. vol. 191; p. 289.
- Metal-polish. The Britize Company. No. 94,053; Nov. 4; Gaz. vol. 196; p. 269.
- Metal-polishing powder. E. B. Estes & Sons. No. 91,182; Apr. 22; Gaz. vol. 189; p. 1026.
- Metal resembling gold in appearance. L. C. Smith Company. No. 91,913; June 3; Gaz. vol. 191; p. 289.
- Metal sheets and strips. Zenite Metal Company. No. 93,793; Oct. 14; Gaz. vol. 195; p. 537.
- Metal ware, Enameled. Shapleigh Hardware Company. No. 94,768; Dec. 30; Gaz. vol. 197; p. 1288.
- Metals and compositions thereof, Non-oxidizing and acid-resisting. Totten and Goodson. No. 90,144; Feb. 4; Gaz. vol. 187; p. 229.
- Metals and metal castings and forgings. Daimler-Motoren-Gesellschaft. No. 92,407; July 8; Gaz. vol. 192; p. 511.
- Metals and metal castings and forgings. William Atkins & Co. No. 93,413; Sept. 16; Gaz. vol. 194; p. 739.
- Metals and metal castings and forgings, Certain. Sandvikens Jernverks Aktiebolag. No. 90,845; Mar. 25; Gaz. vol. 188; p. 1049.
- Metals and metal castings and forgings, Certain. River-side Metal Refining Company. No. 91,900; June 3; Gaz. vol. 191; p. 289.

Alphabetical list of trade-marks—Continued.

- Metals and metal castings and forgings, Certain. Fried. Krupp Aktiengesellschaft. No. 92,767; July 29; Gaz. vol. 192; p. 1255.
- Metals and metal castings and forgings, Certain named. Flockton, Tompkin & Co. No. 92,544; July 15; Gaz. vol. 192; p. 738.
- Metals, Babbitt. The Hewitt Sales Co. No. 89,922; Jan. 21; Gaz. vol. 186; p. 793.
- Metals, Babbitt and antifriction. Great Western Smelting & Refining Co. No. 93,987; Oct. 28; Gaz. vol. 195; p. 1046.
- Metals, Babbitt and antifriction. Great Western Smelting & Refining Co. No. 94,177; Nov. 11; Gaz. vol. 196; p. 522.
- Metals, Bearing. Palmetto Metal Company. No. 91,368; Apr. 29; Gaz. vol. 189; p. 1277.
- Metals in various shapes and certain named goods made therefrom. Certain. Felten & Guilleaume Carlswerk Actien-Gesellschaft. No. 94,435; Dec. 9; Gaz. vol. 197; p. 527.
- Milk. Quaker City Dairies. No. 94,201; Nov. 11; Gaz. vol. 196; p. 522.
- Milk and chocolate preparation. J. C. Smith. No. 94,331; Nov. 25; Gaz. vol. 196; p. 1049.
- Milk and cream. S. E. Sawyer. No. 91,705; May 20; Gaz. vol. 190; p. 789.
- Milk and cream. M. L. Chamberlain. No. 94,270; Nov. 25; Gaz. vol. 196; p. 1047.
- Milk, Bottled. W. R. Kremps. No. 92,997; Aug. 12; Gaz. vol. 193; p. 505.
- Milk compounds. Mrs. E. Mackevich. No. 90,357; Feb. 18; Gaz. vol. 187; p. 825.
- Milk, Condensed. P. E. Sharpless Company. No. 91,132; Apr. 15; Gaz. vol. 189; p. 777.
- Milk, Condensed. Imperial Condensed Milk Company. No. 92,079; June 17; Gaz. vol. 191; p. 826.
- Milk, Condensed. Borden Milk Company. No. 92,943; Aug. 12; Gaz. vol. 193; p. 503.
- Milk, Condensed. American Milk Company. No. 93,624; Oct. 7; Gaz. vol. 195; p. 271.
- Milk, Condensed skimmed. Foster Packing Company. No. 90,008; Jan. 28; Gaz. vol. 186; p. 982.
- Milk, Condensed skimmed. Michigan Condensed Milk Co. No. 94,298; Nov. 25; Gaz. vol. 196; p. 1048.
- Milk, cream, butter, and cottage-cheese. G. Wood. No. 91,405; Apr. 29; Gaz. vol. 189; p. 1278.
- Milk, Evaporated. Union Condensed Milk Company. No. 89,891; Jan. 14; Gaz. vol. 186; p. 554.
- Milk, Evaporated. Lawton, Jordan & Co. No. 94,186; Nov. 11; Gaz. vol. 196; p. 522.
- Milk, Sterilized and condensed. Nestle and Anglo-Swiss Condensed Milk Co. No. 91,790; May 27; Gaz. vol. 190; p. 1024.
- Millinery ornaments of precious metal or set with jewels, Certain. A. A. Roberts. No. 91,603; May 13; Gaz. vol. 190; p. 544.
- Milling-machines. The Orville Simpson Company. No. 93,111; Aug. 19; Gaz. vol. 193; p. 750.
- Mince-meat. W. H. Marvin Company. No. 91,103; Apr. 15; Gaz. vol. 189; p. 776.
- Mines and quarries. Tools for inserting and withdrawing detonators for shot-firing purposes in. Price, Pryse & Company. No. 94,252; Nov. 18; Gaz. vol. 196; p. 801.
- Mirrors and mirror and picture frames. J. C. Dowd & Co. No. 94,068; Nov. 4; Gaz. vol. 196; p. 269.
- Mirrors and mirror and picture frames. Pacific Novelty Company. No. 94,107; Nov. 4; Gaz. vol. 196; p. 271.
- Mirrors and picture-frames. Geo. Borgfeldt & Co. No. 92,628; July 2; Gaz. vol. 192; p. 983.
- Mirrors, Shaving. Federal Sign System (Electric). No. 94,360; Dec. 2; Gaz. vol. 197; p. 235.
- Mitt, Catcher's. A. J. Reach Co. No. 93,559; Sept. 23; Gaz. vol. 194; p. 948.
- Moccasins, slippers, booties, &c. Manistee Shoe Mfg. Co. No. 92,696; July 22; Gaz. vol. 192; p. 985.
- Molasses. The American Sugar Refining Company. Nos. 94,574-6; Dec. 23; Gaz. vol. 197; p. 991.
- Molasses to be used in food of horses and cattle. W. M. Wattles. No. 91,624; May 13; Gaz. vol. 190; p. 545.
- Molasses, Tuna. Reyes y Velasco. No. 93,643; Oct. 7; Gaz. vol. 195; p. 271.
- Money-changers. Brandt Cashier Company. No. 93,421; Sept. 16; Gaz. vol. 194; p. 739.
- Mosquito-repelling preparation. United Drug Company. No. 90,763; Mar. 18; Gaz. vol. 188; p. 805.
- Moth-preventive. The Lignum Chemical Works. No. 93,000; Aug. 12; Gaz. vol. 193; p. 505.
- Motor-boats. Bath Marine Construction Co. No. 90,408; Feb. 25; Gaz. vol. 187; p. 1111.
- Motor-cycles. Harley-Davidson Motor Co. No. 90,201; Feb. 11; Gaz. vol. 187; p. 508.
- Motor-cycles and bicycles. Consolidated Manufacturing Company. No. 94,355; Dec. 2; Gaz. vol. 197; p. 235.
- Motor-vehicles, Certain named. Kearns Motor Car Company. No. 91,970; June 10; Gaz. vol. 191; p. 582.
- Mouth and tooth wash. The Scholtz Drug Company. No. 90,589; Mar. 4; Gaz. vol. 188; p. 240.
- Mouth-wash. Aktiebolaget Grumme & Son. No. 93,144; Aug. 26; Gaz. vol. 193; p. 1011.
- Mouth-wash, tooth cream, paste, powder, and soap. Aktiebolaget Grumme & Sons. No. 92,154; June 24; Gaz. vol. 191; p. 1061.
- Mowers, Guard-plates for. International Harvester Company of New Jersey. No. 94,453; Dec. 9; Gaz. vol. 197; p. 528.
- Mowers, Lawn. J. Braun & Sons. No. 90,507; Mar. 4; Gaz. vol. 188; p. 237.
- Mowing-machine guards. International Harvester Company of America. No. 89,923; Jan. 21; Gaz. vol. 186; p. 793.
- Mucilaginous products for special use, Certain. The Gum Tragasol Supply Company. No. 93,492; Sept. 16; Gaz. vol. 194; p. 741.
- Mucilaginous products of vegetable origin. The Gum Tragasol Supply Company. No. 92,070; June 17; Gaz. vol. 191; p. 826.
- Mufflers. Franklin Knitting Mills. No. 89,918; Jan. 21; Gaz. vol. 186; p. 793.
- Music-rolls. The Rudolph Wurlitzer Co. No. 92,612; July 15; Gaz. vol. 192; p. 740.
- Music-rolls, Perforated. Hallet & Davis Piano Co. No. 91,867; June 3; Gaz. vol. 191; p. 288.
- Music-sheets, Perforated. Bennett & White. No. 94,158; Nov. 11; Gaz. vol. 196; p. 521.
- Musical-instrument chin-rests, Stringed. F. W. Becker. No. 90,956; Apr. 8; Gaz. vol. 189; p. 517.
- Musical-instrument note-sheets. Melville Clark Piano Company. Nos. 92,094-5; June 17; Gaz. vol. 191; p. 827.
- Musical-instrument note-sheets. Melville Clark Piano Company. No. 92,248; June 24; Gaz. vol. 191; p. 1063.
- Musical-instrument strings. H. Cohn. No. 92,400; July 8; Gaz. vol. 192; p. 511.
- Musical-instrument strings, drum and banjo heads. Lyon & Healy. No. 94,009; Oct. 28; Gaz. vol. 195; p. 1046.
- Musical-instrument strings, Gut. Italian Musical String Co. No. 94,555; Dec. 16; Gaz. vol. 197; p. 777.
- Musical instruments and music-sheets, Automatic. The Aeolian Company. No. 90,945; Apr. 8; Gaz. vol. 189; p. 517.
- Musical instruments and music-sheets therefor. Aeolian Company. No. 94,145; Nov. 11; Gaz. vol. 196; p. 521.
- Musical instruments and parts of same, Certain named. Eduard Sippach & Sohn, Gesellschaft mit beschränkter Haftung. No. 93,211; Aug. 26; Gaz. vol. 193; p. 1013.
- Musical instruments and supplies. Kastner & Co. No. 92,801; July 29; Gaz. vol. 192; p. 1256.
- Musical instruments and supplies, Certain named. Wm. R. Gratz Import Co. No. 92,891; Aug. 5; Gaz. vol. 193; p. 216.
- Musical instruments, parts, and bows and strings thereof, Certain. Roth & Lederer. Nos. 91,800-1; May 27; Gaz. vol. 190; p. 1025.
- Muslin, Bleached. Hope Company. No. 89,753; Jan. 7; Gaz. vol. 186; p. 285.
- Muslin, Bleached. The Ferguson McKinney Dry Goods Co. No. 90,425; Feb. 25; Gaz. vol. 187; p. 1111.
- Mustard. E. Eulert. No. 91,541; May 13; Gaz. vol. 190; p. 543.
- Mustard, Prepared. R. A. Lusk. No. 91,586; May 13; Gaz. vol. 190; p. 544.
- Mustard, Prepared. R. A. Lusk. No. 92,808; July 29; Gaz. vol. 192; p. 1256.
- Nail-polish. E. Curtis. No. 91,324; Apr. 29; Gaz. vol. 189; p. 1275.
- Nail-polish. M. Peetz. No. 93,201; Aug. 26; Gaz. vol. 193; p. 1012.
- Nails, Horse. The Capewell Horse Nail Company. No. 93,261; Sept. 2; Gaz. vol. 194; p. 269.
- Nails, nuts, bolts, rivets, &c. Wire. A. O. Meyer. No. 91,500; May 6; Gaz. vol. 190; p. 261.
- Naphtha. Standard Oil Co. of New York. No. 94,212; Nov. 11; Gaz. vol. 196; p. 523.
- Naphtha and refined oil. Vacuum Oil Company. No. 91,274; Apr. 22; Gaz. vol. 189; p. 1028.
- Naphtha, benzin, and gasolene. West India Oil Company. No. 89,898; Jan. 14; Gaz. vol. 186; p. 554.
- Naphthalene. Barrett Manufacturing Company. No. 91,452; May 6; Gaz. vol. 190; p. 259.
- Napkin, Sanitary. C. H. Haeseler. No. 94,080; Nov. 4; Gaz. vol. 196; p. 270.
- Napkins. Manville Company. No. 94,560; Dec. 16; Gaz. vol. 197; p. 777.
- Napkins and supporters or protectors, Sanitary. S. H. Shoninger. No. 93,040; Aug. 12; Gaz. vol. 193; p. 506.
- Napkins, Sanitary. Hygienic Fibre Company. No. 92,987; Aug. 12; Gaz. vol. 193; p. 504.
- Neck ties and scarfs. Berliner, Strauss & Meyer. No. 90,864; Apr. 1; Gaz. vol. 189; p. 247.
- Neckties. Franklin Knitting Mills. No. 92,061; June 17; Gaz. vol. 191; p. 826.
- Neckties and neckscarfs. Ziock & Sampliner. No. 92,097; June 17; Gaz. vol. 191; p. 827.
- Neckties, Men's. S. Deiches & Co. No. 90,300; Feb. 18; Gaz. vol. 187; p. 823.
- Neckties, neckscarfs, and cravats. A. W. Cowen & Bros. No. 94,606; Dec. 23; Gaz. vol. 197; p. 992.
- Neckties, neckscarfs, and jabots. The Yorke Shirt Co. No. 93,791; Oct. 14; Gaz. vol. 195; p. 537.

Alphabetical list of trade-marks—Continued.

- Neckties, sashes, and hatbands. G. M. Baker. No. 92,034; June 17; Gaz. vol. 191; p. 825.
- Neckties, scarfs, bows, tecks, and cravats. A. L. Rice. No. 89,949; Jan. 21; Gaz. vol. 186; p. 794.
- Needle-threading devices. W. J. Sheehy. No. 93,125; Aug. 19; Gaz. vol. 193; p. 751.
- Needles, Crochet. Morris & Yeomans. No. 94,741; Dec. 30; Gaz. vol. 197; p. 1288.
- Nets and veillings. J. Henthcoat & Co. No. 89,747; Jan. 7; Gaz. vol. 186; p. 285.
- Nets, Fly-. Scheffer & Rossum Company. No. 94,674; Dec. 23; Gaz. vol. 197; p. 994.
- Nets, Salmon-. J. & W. Stuart. No. 93,614; Sept. 30; Gaz. vol. 194; p. 1138.
- Newspaper. The Georgian Company. Nos. 91,473-4; May 6; Gaz. vol. 190; p. 260.
- Newspaper-directories. N. W. Ayer & Son. No. 89,809; Jan. 14; Gaz. vol. 186; p. 551.
- Newspaper, Monthly. Morning Journal Association. Nos. 90,126-7; Feb. 4; Gaz. vol. 187; p. 228.
- Newspaper-section published periodically. Star Company. Nos. 94,213-15; Nov. 11; Gaz. vol. 196; p. 523.
- Newspaper-section published periodically. Star Company. No. 94,501; Dec. 9; Gaz. vol. 197; p. 530.
- Newspapers. The Editor & Publisher Co. No. 94,168; Nov. 16; Gaz. vol. 196; p. 521.
- Newspapers. The Editor & Publisher Co. No. 94,433; Dec. 9; Gaz. vol. 197; p. 527.
- Night-ropes, undershirts, drawers, &c. Morris & Company. No. 90,462; Feb. 25; Gaz. vol. 187; p. 1112.
- Noodles. A. E. Lawrence. No. 90,222; Feb. 11; Gaz. vol. 187; p. 509.
- Oars, sweeps, and sculls. New York Boat Oar Company. No. 94,393; Dec. 2; Gaz. vol. 197; p. 236.
- Oat-seeds. Northrup, King & Co. No. 90,367; Feb. 18; Gaz. vol. 187; p. 825.
- Oats. H. W. Beck. No. 92,941; Aug. 12; Gaz. vol. 193; p. 503.
- Oats and corn for seeding purposes. A. E. Havens. No. 93,718; Oct. 14; Gaz. vol. 195; p. 535.
- Oats and corn-flakes. Rolled. Northern Illinois Cereal Company. No. 93,287; Sept. 2; Gaz. vol. 194; p. 270.
- Oats and grain, grass and field seeds, Seed-. E. W. Conklin & Son. No. 93,693; Oct. 14; Gaz. vol. 195; p. 534.
- Oats, Flaked. Del Monte Milling Co. No. 89,999; Jan. 28; Gaz. vol. 186; p. 981.
- Oats, Rolled. Western Grocer Company. No. 90,072; Jan. 28; Gaz. vol. 186; p. 984.
- Oil and grease, Lubricating. Tide Water Oil Company. No. 93,309; Sept. 2; Gaz. vol. 194; p. 270.
- Oil and grease products. E. F. Kick. No. 92,682; July 22; Gaz. vol. 192; p. 985.
- Oil and grease products for certain purposes. E. F. Kick. No. 93,537; Sept. 23; Gaz. vol. 194; p. 947.
- Oil and greases, Lubricating. Independent Products Company. No. 90,336; Feb. 18; Gaz. vol. 187; p. 824.
- Oil compound. E. F. Houghton & Company. No. 93,273; Sept. 2; Gaz. vol. 194; p. 269.
- Oil, Cotton-seed. Kentucky Refining Company. No. 89,854; Jan. 14; Gaz. vol. 186; p. 553.
- Oil, Cotton-seed. Kentucky Refining Company. No. 90,544; Mar. 4; Gaz. vol. 188; p. 238.
- Oil, Cotton-seed. Fontana & Co. No. 90,979; Apr. 8; Gaz. vol. 189; p. 518.
- Oil, Cotton-seed. The Southern Cotton Oil Company. No. 91,263; Apr. 22; Gaz. vol. 189; p. 1028.
- Oil, Cotton-seed. Aspegren & Co. Nos. 91,446-9; May 6; Gaz. vol. 190; p. 259.
- Oil, Cotton-seed. Union Oil Company. No. 91,919; June 3; Gaz. vol. 191; p. 289.
- Oil, Cotton-seed. Edible Products Company. No. 92,327; July 1; Gaz. vol. 192; p. 211.
- Oil, Cotton-seed cooking. Dallas Oil & Refining Co. No. 92,192; June 24; Gaz. vol. 191; p. 1062.
- Oil, Cylinder-. Monarch Oil Refining Company. No. 90,458; Feb. 25; Gaz. vol. 187; p. 1112.
- Oil, Cylinder-. Wm. C. Robinson & Son Co. No. 90,841; Mar. 25; Gaz. vol. 188; p. 1049.
- Oil, Cylinder-. Standard Oil Co. (<Kentucky). Nos. 92,593-4; July 15; Gaz. vol. 192; p. 740.
- Oil dressing, Solid-. Capstone Manufacturing Co. No. 90,159; Feb. 11; Gaz. vol. 187; p. 507.
- Oil, Engine and cylinder. Standard Oil Company. No. 92,839; July 29; Gaz. vol. 192; p. 1257.
- Oil, Floor-. J. McQuade. No. 92,104; June 17; Gaz. vol. 191; p. 827.
- Oil for certain named purposes. Compound. Turpsene Manufacturing Company. No. 93,500; Sept. 16; Gaz. vol. 194; p. 741.
- Oil for washing and removing greases. E. Levinstein. No. 90,030; Jan. 28; Gaz. vol. 186; p. 982.
- Oil, gasoline, lubricating oils and greases, Refined. Standard Oil Company. No. 93,475; Sept. 16; Gaz. vol. 194; p. 741.
- Oil, Illuminating. Standard Oil Co. (<Kentucky). No. 92,840; July 29; Gaz. vol. 192; p. 1257.
- Oil, Lubricating-. Wm. C. Robinson & Son Co. No. 90,381; Feb. 18; Gaz. vol. 187; p. 826.
- Oil, Lubricating-. The Texas Company. No. 90,596; Mar. 4; Gaz. vol. 188; p. 240.
- Oil, Lubricating-. The Texas Company. No. 92,146; June 17; Gaz. vol. 191; p. 828.
- Oil, Lubricating-. Chesebrough Manufacturing Co. No. 93,425; Sept. 16; Gaz. vol. 194; p. 739.
- Oil, Lubricating-. A. B. Edmands. No. 93,431; Sept. 16; Gaz. vol. 194; p. 739.
- Oil, Lubricating-. Weinstock-Nichols Co. Nos. 94,700-1; Dec. 23; Gaz. vol. 197; pp. 994-5.
- Oil, Machine-. Direct Importing Company. No. 91,468; May 6; Gaz. vol. 190; p. 260.
- Oil, Olive-. Mangrané Hermanos Raison Sociale Société Privilegiée. No. 90,034; Jan. 28; Gaz. vol. 186; p. 982.
- Oil, Olive-. Richardson Drug Co. No. 90,378; Feb. 18; Gaz. vol. 187; p. 826.
- Oil, Olive-. G. Granucci. No. 90,693; Mar. 18; Gaz. vol. 188; p. 803.
- Oil, Olive-. A. L. Caprini. No. 91,459; May 6; Gaz. vol. 190; p. 259.
- Oil, Olive-. J. Petrocelli & Company. No. 91,599; May 13; Gaz. vol. 190; p. 544.
- Oil, Olive-. W. H. Hermes. No. 92,337; July 1; Gaz. vol. 192; p. 212.
- Oil, Olive-. The Waldorf-Astoria Importation Company. No. 92,850; July 29; Gaz. vol. 192; p. 1257.
- Oil, Olive-. J. Petrocelli & Company. No. 93,114; Aug. 19; Gaz. vol. 193; p. 750.
- Oil, Olive-. J. Vitucci. No. 93,481; Sept. 16; Gaz. vol. 194; p. 741.
- Oil, Olive-. P. Sasso e Figli. No. 93,645; Oct. 7; Gaz. vol. 195; p. 271.
- Oil, Olive-. A. Rossano. No. 93,910; Oct. 21; Gaz. vol. 195; p. 814.
- Oil, Olive-. A. Merling. No. 94,014; Oct. 28; Gaz. vol. 195; p. 1046.
- Oil, Olive-. F. Albano. Nos. 94,146-7; Nov. 11; Gaz. vol. 196; p. 521.
- Oil, Olive-. C. Giacona & Co. No. 94,175; Nov. 11; Gaz. vol. 196; p. 522.
- Oil or grease, Lubricating. Union Oil Company of California. No. 92,745; July 22; Gaz. vol. 192; p. 987.
- Oil, Paint-. The Southern States Refining Company. No. 93,388; Sept. 9; Gaz. vol. 194; p. 547.
- Oil, Perfumed hair-. The Anglo-Indian Drug & Chemical Co. No. 92,618; July 22; Gaz. vol. 192; p. 983.
- Oil, Polishing-. Troegerlith Tile Company. No. 93,780; Oct. 14; Gaz. vol. 195; p. 536.
- Oil, Refined. West India Oil Company. No. 90,493; Feb. 25; Gaz. vol. 187; p. 1113.
- Oil substitute, Linseed-. Berry Brothers. No. 93,327; Sept. 9; Gaz. vol. 194; p. 545.
- Oil, Type-writer. Tower Manufacturing & Novelty Co. No. 91,619; May 13; Gaz. vol. 190; p. 545.
- Oils and engine-grease, Lubricating and machine. Schliemann's Oil & Ceresine Company. No. 94,765; Dec. 30; Gaz. vol. 197; p. 1288.
- Oils and graphite axle-grease, Lubricating-. Hibbard, Spencer, Bartlett & Co. No. 91,092; Apr. 15; Gaz. vol. 189; p. 776.
- Oils and greases and tempering, wool, &c., oils, Lubricating. E. F. Houghton & Company. No. 94,638; Dec. 23; Gaz. vol. 197; p. 993.
- Oils and greases, Certain named. The Sunflower State Oil Company. No. 91,916; June 3; Gaz. vol. 191; p. 289.
- Oils and greases, Lubricating. Capstone Manufacturing Co. No. 90,290; Feb. 18; Gaz. vol. 187; p. 823.
- Oils and greases, Lubricating. G. A. Haws. No. 90,329; Feb. 18; Gaz. vol. 187; p. 824.
- Oils and greases, Lubricating. A. G. Belden. No. 90,777; Mar. 25; Gaz. vol. 188; p. 1047.
- Oils and greases, Lubricating. F. D. Van Nostrand. No. 91,721; May 20; Gaz. vol. 190; p. 790.
- Oils and greases, Lubricating. Invader Oil Company. No. 93,275; Sept. 2; Gaz. vol. 194; p. 269.
- Oils and greases, Lubricating. Chappell Oil & Grease Co. No. 93,688; Oct. 14; Gaz. vol. 195; p. 534.
- Oils and greases, Lubricating. Swan & Finch Company. No. 94,691; Dec. 23; Gaz. vol. 197; p. 994.
- Oils and greases, refined oil, and gasoline, Lubricating. Standard Oil Company. No. 94,497; Dec. 9; Gaz. vol. 197; p. 529.
- Oils and lubricating-greases, Lubricating, road, &c. The Alden Speare's Sons Co. No. 92,498; July 15; Gaz. vol. 192; p. 737.
- Oils and lubricating oils and greases, Illuminating-. The Paragon Refining Co. No. 90,373; Feb. 18; Gaz. vol. 187; p. 826.
- Oils, Coal-tar-. Barrett Manufacturing Company. No. 91,836; June 3; Gaz. vol. 191; p. 287.
- Oils, Cooking-. A. B. Russell. No. 90,584; Mar. 4; Gaz. vol. 188; p. 239.
- Oils, Currying-. Russia Cement Company. No. 90,659; Mar. 11; Gaz. vol. 188; p. 510.
- Oils, Cylinder, engine, machine, dynamo, &c. Standard Oil Company. No. 91,616; May 13; Gaz. vol. 190; p. 545.
- Oils, Engine, turbine, and transformer. Standard Oil Company. No. 91,522; May 6; Gaz. vol. 190; p. 261.

Alphabetical list of trade-marks—Continued.

- Oils, Essential and volatile. A. M. Todd Company. No. 94,258; Nov. 18; Gaz. vol. 196; p. 801.
- Oils for illuminating, heating, and power purposes. Standard Oil Co. of New York. No. 93,129; Aug. 19; Gaz. vol. 193; p. 751.
- Oils for illuminating, heating, and power purposes, Certain named. Standard Oil Co. No. 92,733; July 22; Gaz. vol. 192; p. 986.
- Oils for use in bleaching, cleaning, and dyeing. W. L. Voigt. No. 90,266; Feb. 11; Gaz. vol. 187; p. 510.
- Oils for use in manufacture of soaps and perfumes. A. Saalfeld. No. 92,126; June 17; Gaz. vol. 191; p. 827.
- Oils, Hydrocarbon. Otto Isenstein & Company. No. 93,998; Oct. 28; Gaz. vol. 195; p. 1046.
- Oils, Illuminating-. Standard Oil Co. of New York. No. 92,841; July 29; Gaz. vol. 192; p. 1257.
- Oils, Illuminating-. Standard Oil Co. of New York. No. 93,044; Aug. 12; Gaz. vol. 193; p. 506.
- Oils, Illuminating-. Wadhams Oil Company. No. 94,134; Nov. 4; Gaz. vol. 196; p. 271.
- Oils, Lubricating-. Utah Oil Refining Company. No. 90,395; Feb. 18; Gaz. vol. 187; p. 826.
- Oils, Lubricating-. E. F. Houghton & Company. No. 90,889; Apr. 1; Gaz. vol. 189; p. 247.
- Oils, Lubricating-. Russia Cement Company. No. 91,128; Apr. 15; Gaz. vol. 189; p. 777.
- Oils, Lubricating-. Utah Oil Refining Company. No. 91,400; Apr. 29; Gaz. vol. 189; p. 1278.
- Oils, Lubricating-. A. W. Harris. No. 91,829; June 3; Gaz. vol. 191; p. 287.
- Oils, Lubricating-. Utah Oil Refining Company. No. 92,847; July 29; Gaz. vol. 192; p. 1257.
- Oils, Lubricating-. Schliemann's Oil & Ceresine Company. No. 94,029; Oct. 28; Gaz. vol. 195; p. 1047.
- Oils, Lubricating-. A. G. Bartlett. No. 94,589; Dec. 23; Gaz. vol. 197; p. 991.
- Oiled cloth and linoleum. Palruba Manufacturing Co. No. 93,749; Oct. 14; Gaz. vol. 195; p. 535.
- Oiled clothing. J. F. Carter Company. Nos. 94,057-9; Nov. 4; Gaz. vol. 196; p. 269.
- Ointment. J. J. Dervin. No. 89,913; Jan. 21; Gaz. vol. 186; p. 793.
- Ointment. Germaseptic Chemical Company. No. 90,528; Mar. 4; Gaz. vol. 188; p. 238.
- Ointment. Walter-Scott Chemical Company. No. 90,751; Mar. 18; Gaz. vol. 188; p. 805.
- Ointment. Indian Chemical Co. No. 91,665; May 20; Gaz. vol. 190; p. 788.
- Ointment. W. E. Ludwig. No. 91,676; May 20; Gaz. vol. 190; p. 788.
- Ointment. Kloczewski & Company. No. 92,231; June 24; Gaz. vol. 191; p. 1063.
- Ointment. T. B. Rogers. No. 92,369; July 1; Gaz. vol. 192; p. 212.
- Ointment. Drof Chemical Co. No. 92,653; July 22; Gaz. vol. 192; p. 984.
- Ointment. P. Burns. No. 92,946; Aug. 12; Gaz. vol. 193; p. 503.
- Ointment. Forrester Remedy Co. No. 92,972; Aug. 12; Gaz. vol. 193; p. 504.
- Ointment. J. Hoeffler. No. 92,984; Aug. 12; Gaz. vol. 193; p. 504.
- Ointment. H. E. Stroud. No. 93,649; Oct. 7; Gaz. vol. 195; p. 271.
- Ointment. Kalle & Co., Aktiengesellschaft. No. 93,861; Oct. 21; Gaz. vol. 195; p. 813.
- Ointment. Masengill Bros. Company. No. 94,011; Oct. 28; Gaz. vol. 195; p. 1046.
- Ointment. C. E. McLoud. No. 94,247; Nov. 18; Gaz. vol. 196; p. 801.
- Ointment. Bonetti Frères. No. 94,552; Dec. 16; Gaz. vol. 197; p. 777.
- Ointment and suppositories. U. C. Roumillat. No. 92,582; July 15; Gaz. vol. 192; p. 739.
- Ointment and vulnerary powder. Chemische Fabrik Altherzberg, Alwin Nieske. No. 93,230; Aug. 26; Gaz. vol. 193; p. 1013.
- Ointment, face and massage cream, manicure-paste, &c. Highland Pharmaceutical Co. No. 91,663; May 20; Gaz. vol. 190; p. 788.
- Ointment for treating certain diseases. H. Copleston. No. 94,715; Dec. 30; Gaz. vol. 197; p. 1287.
- Ointment or salve. Stock. J. W. Jones. No. 93,859; Oct. 21; Gaz. vol. 195; p. 813.
- Ointment, Pile-. A. N. Eyslee. No. 93,979; Oct. 28; Gaz. vol. 195; p. 1045.
- Ointments. F. Lawall. No. 90,551; Mar. 4; Gaz. vol. 188; p. 238.
- Ointments. The Samuel Chemical Co. No. 91,804; May 27; Gaz. vol. 190; p. 1025.
- Ointments and lotions. G. E. Gray. No. 90,532; Mar. 4; Gaz. vol. 188; p. 238.
- Ointments and powders, Toilet. Ecsölent Compounds Limited. No. 90,689; Mar. 18; Gaz. vol. 188; p. 803.
- Ointments and salves. F. F. Wyatt. No. 92,306; June 24; Gaz. vol. 191; p. 1065.
- Ointments or salves. The Propylo Laboratory. No. 91,795; May 27; Gaz. vol. 190; p. 1024.
- Oleomargarin. The Cudahy Packing Company. No. 89,993; Jan. 28; Gaz. vol. 186; p. 981.
- Oleomargarin. Blanton Manufacturing Company. No. 90,958; Apr. 8; Gaz. vol. 189; p. 517.
- Oleomargarin. The Ohio Butterine Co. No. 92,821; July 29; Gaz. vol. 192; p. 1257.
- Oleomargarin. Wilkinson, Gaddis & Company. No. 93,651; Oct. 7; Gaz. vol. 195; p. 271.
- Oleomargarin. The Ohio Butterine Co. No. 94,023; Oct. 28; Gaz. vol. 195; p. 1047.
- Olives. S. J. Valk & Bro. No. 90,485; Feb. 25; Gaz. vol. 187; p. 1113.
- Olives. Francis H. Leggett & Company. No. 92,434; July 8; Gaz. vol. 192; p. 512.
- Olives and olive-oil. V. P. Dole. No. 90,518; Mar. 4; Gaz. vol. 188; p. 237.
- Olives, Canned ripe and green pickled. Munger Brothers Company. No. 91,502; May 6; Gaz. vol. 190; p. 261.
- Opium preparation. A. Bochringer. No. 90,505; Mar. 4; Gaz. vol. 188; p. 237.
- Optical goods, barometers, and photographic cameras. H. Kahn & Co. No. 94,183; Nov. 11; Gaz. vol. 196; p. 522.
- Optical goods, Certain named. C. Zeiss. No. 93,623; Sept. 30; Gaz. vol. 194; p. 1138.
- Orange-juice. J. Lashell. No. 93,278; Sept. 2; Gaz. vol. 194; p. 269.
- Orange-wood sticks and nail-boards. Richard Hudnut. No. 91,214; Apr. 22; Gaz. vol. 189; p. 1027.
- Orange-wood sticks and nail-boards. Richard Hudnut. Nos. 94,283-4; Nov. 25; Gaz. vol. 196; p. 1047.
- Oranges. G. E. Snow. No. 91,520; May 6; Gaz. vol. 190; p. 261.
- Oranges. Tonner and Borland. No. 93,135; Aug. 19; Gaz. vol. 193; p. 751.
- Oranges and grape-fruit. Manatee Fruit Co. No. 90,454; Feb. 25; Gaz. vol. 187; p. 1112.
- Oranges and grape-fruit. E. P. Porcher. No. 90,735; Mar. 18; Gaz. vol. 188; p. 805.
- Oranges and grape-fruit. W. H. Cresson. No. 93,263; Sept. 2; Gaz. vol. 194; p. 269.
- Oranges and grape-fruit. F. D. Waite. No. 93,312; Sept. 2; Gaz. vol. 194; p. 270.
- Oranges and grape-fruit. Walker Brothers. No. 93,483; Sept. 16; Gaz. vol. 194; p. 741.
- Oranges and grape-fruit. Bruce & Son. No. 93,518; Sept. 23; Gaz. vol. 194; p. 947.
- Oranges and grape-fruit. F. D. Waite. No. 94,339; Nov. 25; Gaz. vol. 196; p. 1049.
- Oranges and grape-fruit. Manatee Fruit Co. No. 94,649; Dec. 23; Gaz. vol. 197; p. 993.
- Oranges and lemons. Hunt, Hatch & Co. No. 90,020; Jan. 28; Gaz. vol. 186; p. 982.
- Oranges, grape-fruit, and tangerines. South Florida Grape-fruit Co. No. 93,648; Oct. 7; Gaz. vol. 195; p. 271.
- Oranges, grape-fruit, and tangerines, Fresh and preserved. M. M. Herrick. No. 89,841; Jan. 14; Gaz. vol. 186; p. 552.
- Oranges, grape-fruit, tangerines, limes, and lemons. Punta Gorda Citrus Growers Association. No. 92,362; July 1; Gaz. vol. 192; p. 212.
- Oranges, lemons, grape-fruit, limes, and tangerines. Lee County Packing Co. No. 93,280; Sept. 2; Gaz. vol. 194; p. 270.
- Oranges, lemons, grape-fruit, tangerines, and limes. Winter Haven Citrus Growers Association. No. 91,147; Apr. 15; Gaz. vol. 189; p. 777.
- Oranges, lemons, limes, grape-fruit, and tangerines. E. G. Blake. No. 92,511; July 15; Gaz. vol. 192; p. 737.
- Oranges, pineapples, lemons, limes, and grape-fruit. O. E. Spooner. No. 94,684; Dec. 23; Gaz. vol. 197; p. 994.
- Ovens, Bake-. Werner & Pfeiderer Co. No. 93,786; Oct. 14; Gaz. vol. 195; p. 537.
- Ovens, Bakers'. General Oven Company. No. 92,209; June 24; Gaz. vol. 191; p. 1062.
- Overalls. Alexander Bros. Co. No. 91,748; May 27; Gaz. vol. 190; p. 1023.
- Overalls. Oshkosh Overall Company. No. 92,822; July 29; Gaz. vol. 192; p. 1257.
- Overalls. Peerless Overall Co. No. 93,902; Oct. 21; Gaz. vol. 195; p. 814.
- Overalls. Mechanics Union Overall Co. No. 94,529; Dec. 9; Gaz. vol. 197; p. 530.
- Overalls and blouses. A. Mathias & Co. No. 90,226; Feb. 11; Gaz. vol. 187; p. 509.
- Overalls and overjackets. Anthracite Overall Mfg. Co. No. 93,803; Oct. 21; Gaz. vol. 195; p. 811.
- Overalls and shirts. Wm. R. Moore Dry Goods Co. No. 90,562; Mar. 4; Gaz. vol. 188; p. 239.
- Overalls and work coats and shirts. The C. B. Cones & Son Manufacturing Company. No. 92,189; June 24; Gaz. vol. 191; p. 1062.
- Overalls, jumpers, and trousers. Sherman Overall Manufacturing Co. No. 93,929; Oct. 21; Gaz. vol. 195; p. 815.
- Overalls, trousers, and shirts. Niagara Overall & Pants Co. No. 93,894; Oct. 21; Gaz. vol. 195; p. 814.
- Overalls, work shirts and pants, and drawers. Riverside Overall Co. No. 91,515; May 6; Gaz. vol. 190; p. 261.
- Overcoats, coats, vests, and trousers. The Charlotte Trouser Co. No. 91,074; Apr. 15; Gaz. vol. 189; p. 775.
- Overcoats, coats, vests, and trousers. J. S. Hall's Sons. No. 91,768; May 27; Gaz. vol. 190; p. 1024.

- Overcoats, coats, vests, and trousers. B. Kuppenheimer & Company. No. 93,365; Sept. 9; Gaz. vol. 194; p. 546.
- Packing for steam, ammonia, and hydraulic purposes. Oriental Oil Co. No. 91,510; May 6; Gaz. vol. 190; p. 261.
- Packing, Machinery. The Anchor Packing Company. No. 91,305; Apr. 29; Gaz. vol. 189; p. 1275.
- Packing, Paper. Endura Manufacturing Co. No. 92,881; Aug. 5; Gaz. vol. 193; p. 215.
- Packing, Rod-. Vulcan Asbestos Manufacturing Co. No. 92,017; June 10; Gaz. vol. 191; p. 583.
- Packings, Metallic. Aurora Metal Company. No. 91,546; May 13; Gaz. vol. 190; p. 543.
- Pails and buckets. E. Ellis. No. 94,241; Nov. 18; Gaz. vol. 196; p. 801.
- Pails, Milk-. C. S. Moore. No. 90,036; Jan. 28; Gaz. vol. 186; p. 983.
- Paint. Keystone Varnish Co. No. 90,345; Feb. 18; Gaz. vol. 187; p. 825.
- Paint and a wall-coating, Base for making a. Alabastine Company. No. 94,538; Dec. 16; Gaz. vol. 197; p. 777.
- Paint and a wall-coating, Liquid for use as a. Alabastine Company. No. 91,437; May 6; Gaz. vol. 190; p. 259.
- Paint and enamel base. E. M. & F. Waldo. No. 93,138; Aug. 19; Gaz. vol. 193; p. 751.
- Paint and other coatings from surfaces, Preparation for removing. Ball Chemical Company. No. 91,451; May 6; Gaz. vol. 190; p. 259.
- Paint and size. G. Reed. No. 91,693; May 20; Gaz. vol. 190; p. 789.
- Paint and varnish remover. H. C. Red Label Chemical Company. No. 92,214; June 24; Gaz. vol. 191; p. 1062.
- Paint and varnish removers. The H. B. Chalmers Company. No. 92,639; July 22; Gaz. vol. 192; p. 983.
- Paint, Branding-. Vacuum Oil Company. No. 91,529; May 6; Gaz. vol. 190; p. 261.
- Paint, Canned. E. G. Whall. No. 92,856; July 29; Gaz. vol. 192; p. 1258.
- Paint, Enamel. Keystone Varnish Co. No. 90,346; Feb. 18; Gaz. vol. 187; p. 825.
- Paint, Enamel. The Atlas Bituminous Enamel Co. No. 93,415; Sept. 16; Gaz. vol. 194; p. 739.
- Paint for condensers and other metal structures. The American Paint & Color Co. No. 94,571; Dec. 23; Gaz. vol. 197; p. 991.
- Paint for roofs. R. G. Taggart. No. 93,478; Sept. 16; Gaz. vol. 194; p. 741.
- Paint, linseed-oil, turpentine, and varnish. Independent Products Company. No. 90,023; Jan. 28; Gaz. vol. 186; p. 982.
- Paint, Ready-mixed. Hutchison Scott Company. No. 90,538; Mar. 4; Gaz. vol. 188; p. 238.
- Paint, Ready-mixed. Merrimac Chemical Co. No. 90,558; Mar. 4; Gaz. vol. 188; p. 239.
- Paint, Waterproof. Anthrol Wood Preserving Co. No. 91,632; May 20; Gaz. vol. 190; p. 787.
- Paint, White paste. Benjamin Moore & Co. No. 91,501; May 6; Gaz. vol. 190; p. 261.
- Paint, White paste. Heath & Milligan Mfg. Co. No. 92,981; Aug. 12; Gaz. vol. 193; p. 504.
- Paints. The National Paint & Varnish Company. Nos. 93,010-11; Aug. 12; Gaz. vol. 193; p. 505.
- Paints. O. Johnson & Co. No. 93,729; Oct. 14; Gaz. vol. 195; p. 535.
- Paints. J. W. Dunford. No. 94,431; Dec. 9; Gaz. vol. 197; p. 527.
- Paints. Standard Oil Company of New York. No. 94,500; Dec. 9; Gaz. vol. 197; p. 529.
- Paints and painters' materials. The Biturine Company of America. No. 93,064; Aug. 19; Gaz. vol. 193; p. 749.
- Paints and painters' materials, Certain. T. W. Carter. No. 92,790; July 29; Gaz. vol. 192; p. 1256.
- Paints and painters' materials, Certain. Standard Oil Company. No. 92,838; July 29; Gaz. vol. 192; p. 1257.
- Paints and painters' materials, Certain named. The Wilson Mfg. Company. No. 90,277; Feb. 11; Gaz. vol. 187; p. 510.
- Paints and painters' materials, Certain named. F. W. Thurston Company. No. 91,395; Apr. 29; Gaz. vol. 189; p. 1277.
- Paints and painters' materials, Certain named. Gerstendorfer Bros. No. 91,475; May 6; Gaz. vol. 190; p. 260.
- Paints and painters' materials, Certain named. Thomy Specialties Company. No. 91,917; June 3; Gaz. vol. 191; p. 289.
- Paints and painters' materials, Certain named. The Vitro Manufacturing Company. No. 92,487; July 8; Gaz. vol. 192; p. 514.
- Paints and painters' materials, Certain named. Standard Varnish Works. No. 92,734; July 22; Gaz. vol. 192; p. 986.
- Paints and painters' materials, Certain named. The Charles William Stores, Inc. No. 93,317; Sept. 2; Gaz. vol. 194; p. 271.
- Paints and pigments therefor. A. O. Meyer. No. 94,740; Dec. 30; Gaz. vol. 197; p. 1288.
- Paints and varnishes. The Billings-Chapin Company. No. 93,155; Aug. 26; Gaz. vol. 193; p. 1011.
- Paints and varnishes. The Martin-Senour Company. No. 93,370; Sept. 9; Gaz. vol. 194; p. 546.
- Paints and water-colors, Artists'. Tower Manufacturing & Novelty Co. No. 90,145; Feb. 4; Gaz. vol. 187; p. 229.
- Paints and wood-preservatives. The Carbon Preservative Paint Co. No. 91,460; May 6; Gaz. vol. 190; p. 259.
- Paints and wood-stains. Minnesota Linseed Oil Paint Company. No. 90,456; Feb. 25; Gaz. vol. 187; p. 1112.
- Paints, Automobile and carriage. Blanchite Paint Company. No. 91,752; May 27; Gaz. vol. 190; p. 1023.
- Paints, colors, and varnishes. C. A. Willey Company. No. 91,146; Apr. 15; Gaz. vol. 189; p. 777.
- Paints, enamels, japans, varnishes, and varnish-removers. Standard Varnish Works. No. 93,774; Oct. 14; Gaz. vol. 195; p. 536.
- Paints, enamels, wall-finishes, &c. G. F. Stephens & Co. No. 91,390; Apr. 29; Gaz. vol. 189; p. 1277.
- Paints for ceramic decoration. John W. Hasburg Co. No. 90,886; Apr. 1; Gaz. vol. 189; p. 247.
- Paints for certain named surfaces, Water-repelling preservative. P. Lechler. No. 90,353; Feb. 18; Gaz. vol. 187; p. 825.
- Paints, Gold. L. Hemmerdinger & Co. No. 91,091; Apr. 15; Gaz. vol. 189; p. 776.
- Paints, graining compound, &c. The Marietta Paint & Color Co. No. 90,358; Feb. 18; Gaz. vol. 187; p. 825.
- Paints, lacs, stains, enamels, varnishes, and fillers. Davies & Meacham. Nos. 93,699-702; Oct. 14; Gaz. vol. 195; p. 534.
- Paints, Non-corrosive. The Reliance Paint Co. No. 90,840; Mar. 25; Gaz. vol. 188; p. 1049.
- Paints, Ready-mixed. Baltimore Bargain House. No. 91,308; Apr. 29; Gaz. vol. 189; p. 1275.
- Paints, Ready-mixed. Oliver Johnson & Co. Nos. 93,535-6; Sept. 23; Gaz. vol. 194; p. 947.
- Paints, Ready-mixed. Sunset Paint Co. No. 94,505; Dec. 9; Gaz. vol. 197; p. 530.
- Paints, varnishes, and oils. R. E. G. Keene. No. 92,432; July 8; Gaz. vol. 192; p. 512.
- Paints, varnishes, and other like painters' materials. F. Behrend. No. 93,589; Sept. 30; Gaz. vol. 194; p. 1137.
- Paints, varnishes, and paint-oils. Wadsworth, Howland & Co. No. 93,311; Sept. 2; Gaz. vol. 194; p. 270.
- Paints, varnishes, enamels, and fillers. O'Neil Oil & Paint Company. No. 93,555; Sept. 23; Gaz. vol. 194; p. 948.
- Paints, wall-finishes, stains, enamels, &c. Davies & Meacham. No. 91,464; May 6; Gaz. vol. 190; p. 259.
- Painters' material and prepared paint, Certain named. Oscar Schlegel Mfg. Co. No. 94,491; Dec. 9; Gaz. vol. 197; p. 529.
- Painters' materials, Certain named. Yarnall Paint Company. No. 90,151; Feb. 4; Gaz. vol. 187; p. 229.
- Painters' size and dressing, and polishes for wood and iron. The Gum Tragacoll Supply Company. Nos. 91,478-9; May 6; Gaz. vol. 190; p. 260.
- Pajamas and negligée shirts. Knothe Brothers. No. 93,866; Oct. 21; Gaz. vol. 195; p. 813.
- Pajamas and shirts. E. Rosenfeld & Co. No. 92,470; July 8; Gaz. vol. 192; p. 513.
- Pajamas, shirts, and night-shirts. Knothe Brothers. No. 93,865; Oct. 21; Gaz. vol. 195; p. 813.
- Pajamas, shirts, and night-shirts. Knothe Brothers. No. 93,867; Oct. 21; Gaz. vol. 195; p. 813.
- Pamphlets, charts, and almanacs. Astrological. I. N. Halleyton. No. 91,575; May 13; Gaz. vol. 190; p. 544.
- Pamphlets, circulars, lesson-sheets, &c. Page-Davis Company. No. 91,023; Apr. 8; Gaz. vol. 189; p. 519.
- Paper. The Central Ohio Paper Co. Nos. 90,092-5; Feb. 4; Gaz. vol. 187; p. 227.
- Paper. J. C. Blair Company. No. 90,781; Mar. 25; Gaz. vol. 188; p. 1047.
- Paper. Stone & Andrew. No. 93,130; Aug. 19; Gaz. vol. 193; p. 751.
- Paper adapted for certain purposes. Cott-A-Lap Company. No. 94,514; Dec. 9; Gaz. vol. 197; p. 530.
- Paper and envelopes, Letter-. J. Mayer. No. 93,003; Aug. 12; Gaz. vol. 193; p. 505.
- Paper and envelopes, Writing-. G. B. Hurd & Co. No. 90,334; Feb. 18; Gaz. vol. 187; p. 824.
- Paper and stationery articles, Certain named. Tower Manufacturing & Novelty Co. Nos. 91,268-9; Apr. 22; Gaz. vol. 189; p. 1028.
- Paper and stationery, Certain. J. C. Blair Company. Nos. 91,551-2; May 13; Gaz. vol. 190; p. 543.
- Paper and stationery, Certain. Mittineague Paper Company. No. 92,100; June 17; Gaz. vol. 191; p. 827.
- Paper and stationery, Certain. J. C. Blair Company. No. 92,626; July 22; Gaz. vol. 192; p. 980.
- Paper and stationery, Certain. J. C. Blair Company. Nos. 93,065-7; Aug. 19; Gaz. vol. 193; p. 749.
- Paper and stationery, Certain kinds of. M. Krause. No. 91,882; June 3; Gaz. vol. 191; p. 288.
- Paper and stationery, Certain named. White & Wyckoff Mfg. Co. No. 91,403; Apr. 29; Gaz. vol. 189; p. 1278.
- Paper and stationery, Certain named. J. C. Blair Company. No. 93,420; Sept. 16; Gaz. vol. 194; p. 739.
- Paper and type-writer ribbons, Carbon-. D. G. Oberst. No. 90,131; Feb. 4; Gaz. vol. 187; p. 228.
- Paper bags. Wayne Paper Goods Company. No. 90,667; Mar. 11; Gaz. vol. 188; p. 510.

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- Paper bags. The Union Bag & Paper Company. Nos. 91,139-40; Apr. 15; Gaz. vol. 189; p. 777.
- Paper bags. Sprague, Warner & Company. No. 91,266; Apr. 22; Gaz. vol. 189; p. 1028.
- Paper bags. Old Dominion Paper Co. Nos. 91,595-6; May 13; Gaz. vol. 190; p. 544.
- Paper bags. Cornell & Ward. No. 92,190; June 24; Gaz. vol. 191; p. 1062.
- Paper bags. The Union Bag and Paper Company. No. 94,336; Nov. 25; Gaz. vol. 196; p. 1049.
- Paper, Blotting-. The Albemarle Paper Mfg. Co. No. 89,791; Jan. 14; Gaz. vol. 186; p. 551.
- Paper, Blotting-. Standard Paper Mfg. Co. No. 90,253; Feb. 11; Gaz. vol. 187; p. 510.
- Paper, Blotting-. Standard Paper Mfg. Co. Nos. 94,685-7; Dec. 23; Gaz. vol. 197; p. 994.
- Paper-board and pasteboard. Park Novelty Company. No. 93,289; Sept. 2; Gaz. vol. 194; p. 270.
- Paper, Bond-. Knox & Wolcott Paper Co. No. 93,096; Aug. 19; Gaz. vol. 193; p. 750.
- Paper, Bond-. Goes Lithographing Co. No. 93,438; Sept. 16; Gaz. vol. 194; p. 740.
- Paper, Book-. American Writing Paper Co. No. 92,388; July 8; Gaz. vol. 192; p. 511.
- Paper boxes. Chicago Folding Box Company. No. 92,186; June 24; Gaz. vol. 191; p. 1062.
- Paper boxes. A. Fleishhacker & Co. No. 93,707; Oct. 14; Gaz. vol. 195; p. 534.
- Paper, Carbon-. P. & J. Arnold. No. 90,406; Feb. 25; Gaz. vol. 187; p. 1111.
- Paper, Carbon-. E. Hassinger. No. 94,179; Nov. 11; Gaz. vol. 196; p. 522.
- Paper cartons. Chicago Folding Box Company. Nos. 90,163-6; Feb. 11; Gaz. vol. 187; p. 507.
- Paper-clips. The Fritz-Taber Mfg. Co. No. 93,271; Sept. 2; Gaz. vol. 194; p. 269.
- Paper, Cover, bond, writing, and printing. The Central Ohio Paper Co. No. 92,791; July 29; Gaz. vol. 192; p. 1256.
- Paper, Cover, bond, writing, and printing. The Central Ohio Paper Co. No. 94,269; Nov. 25; Gaz. vol. 196; p. 1047.
- Paper drinking-cups. R. O. Hammond. No. 90,636; Mar. 11; Gaz. vol. 188; p. 509.
- Paper, envelops, and blank books. J. C. Blair Company. No. 93,257; Sept. 2; Gaz. vol. 194; p. 269.
- Paper, envelops, and bristol-board. Bradner Smith & Co. No. 94,351; Dec. 2; Gaz. vol. 197; p. 235.
- Paper, envelops, tablets, and blank books. J. C. Blair Company. No. 90,410; Feb. 25; Gaz. vol. 187; p. 1111.
- Paper, envelops, tablets, and blank books. J. C. Blair Company. No. 90,624; Mar. 11; Gaz. vol. 188; p. 509.
- Paper, envelops, tablets, and blank books. J. C. Blair Company. Nos. 92,512-26; July 15; Gaz. vol. 192; pp. 737-8.
- Paper, envelops, tablets, and blank books. J. C. Blair Company. No. 93,156; Aug. 26; Gaz. vol. 193; p. 1011.
- Paper, envelops, tablets, and blank books. J. C. Blair Company. No. 94,267; Nov. 25; Gaz. vol. 196; p. 1047.
- Paper, envelops, tablets, and cardboard. Eaton, Crane & Pike Company. No. 93,084; Aug. 19; Gaz. vol. 193; p. 749.
- Paper, envelops, tablets, cards, and cardboard. Eaton, Crane & Pike Company. No. 89,915; Jan. 21; Gaz. vol. 186; p. 793.
- Paper, Filtering-. C. Schleicher & Schüll. No. 89,956; Jan. 21; Gaz. vol. 186; p. 794.
- Paper for stencil-work. A. B. Dick Company. No. 92,879; Aug. 5; Gaz. vol. 193; p. 215.
- Paper in certain forms, Corrugated. D. Holt. No. 92,218; June 24; Gaz. vol. 191; p. 1063.
- Paper in sheets, Cover-. O. M. Steinman Inc. No. 94,403; Dec. 2; Gaz. vol. 197; p. 236.
- Paper, Linen. Riegel & Company. No. 91,033; Apr. 8; Gaz. vol. 189; p. 519.
- Paper pails. Chicago Folding Box Company. No. 90,162; Feb. 11; Gaz. vol. 187; p. 507.
- Paper pails. Chicago Folding Box Company. No. 90,167; Feb. 11; Gaz. vol. 187; p. 507.
- Paper, Photographic printing-out. Eastman Kodak Company. Nos. 93,977-8; Oct. 28; Gaz. vol. 195; p. 1045.
- Paper, Roofing-. Pioneer Paper Co. No. 92,907; Aug. 5; Gaz. vol. 193; p. 216.
- Paper shot-shells. The Union Metallic Cartridge Company. No. 94,697; Dec. 23; Gaz. vol. 197; p. 994.
- Paper, Stencil-. Underwood Typewriter Company. No. 92,149; June 17; Gaz. vol. 191; p. 828.
- Paper tablets and note-books. The Reynolds & Reynolds Company. No. 90,658; Mar. 11; Gaz. vol. 188; p. 510.
- Paper tape, sealing-wax, gummed cloth patches, mucilage, and glue. Tower Manufacturing & Novelty Co. No. 90,392; Feb. 18; Gaz. vol. 187; p. 826.
- Paper, Toilet-. John Sexton & Company. No. 89,879; Jan. 14; Gaz. vol. 186; p. 553.
- Paper, Toilet-. A. U. Morse. No. 90,463; Feb. 25; Gaz. vol. 187; p. 1112.
- Paper, Toilet-. L. R. Fisher. No. 91,185; Apr. 22; Gaz. vol. 189; p. 1026.
- Paper, Toilet-. Albany Perforated Wrapping Paper Company. Nos. 91,438-41; May 6; Gaz. vol. 190; p. 259.
- Paper, Toilet-. Albany Perforated Wrapping Paper Company. Nos. 91,735-47; May 27; Gaz. vol. 190; p. 1023.
- Paper, Toilet-. Sauquoit Toilet Paper Co. Nos. 91,903-7; June 3; Gaz. vol. 191; p. 289.
- Paper, Toilet-. Albany Perforated Wrapping Paper Company. No. 92,027; June 17; Gaz. vol. 191; p. 825.
- Paper, Toilet-. Albany Perforated Wrapping Paper Company. Nos. 92,155-7; June 24; Gaz. vol. 191; p. 1061.
- Paper, Toilet-. Albany Perforated Wrapping Paper Company. No. 92,383; July 8; Gaz. vol. 192; p. 511.
- Paper, Toilet-. Albany Perforated Wrapping Paper Company. No. 92,497; July 15; Gaz. vol. 192; p. 737.
- Paper, Toilet-. Sauquoit Toilet Paper Co. Nos. 92,583-8; July 15; Gaz. vol. 192; p. 739.
- Paper, Toilet-. Sauquoit Toilet Paper Co. Nos. 92,720-2; July 22; Gaz. vol. 192; p. 986.
- Paper, Toilet-. Sauquoit Toilet Paper Co. No. 92,832; July 29; Gaz. vol. 192; p. 1257.
- Paper, Toilet-. Adirondack Tissue Paper Co. Nos. 92,931-3; Aug. 12; Gaz. vol. 193; p. 503.
- Paper, Toilet-. Sauquoit Toilet Paper Co. Nos. 93,028-34; Aug. 12; Gaz. vol. 193; pp. 505-6.
- Paper, Toilet-. Sauquoit Toilet Paper Co. Nos. 93,120-3; Aug. 19; Gaz. vol. 193; p. 750.
- Paper, Toilet-. Sauquoit Toilet Paper Co. No. 93,208; Aug. 26; Gaz. vol. 193; p. 1013.
- Paper, Toilet-. Sauquoit Toilet Paper Co. Nos. 93,297-8; Sept. 2; Gaz. vol. 194; p. 270.
- Paper, Toilet-. Sauquoit Toilet Paper Co. Nos. 93,470-1; Sept. 16; Gaz. vol. 194; pp. 740-1.
- Paper, Toilet-. Adirondack Tissue Paper Co. Nos. 93,795-6; Oct. 21; Gaz. vol. 195; p. 811.
- Paper, Toilet-. Albany Perforated Wrapping Paper Company. Nos. 93,797-8; Oct. 21; Gaz. vol. 195; p. 811.
- Paper, Toilet-. Klauber Wangerheim Co. No. 93,864; Oct. 21; Gaz. vol. 195; p. 813.
- Paper, Toilet-. A. U. Morse. Nos. 93,888-9; Oct. 21; Gaz. vol. 195; p. 813.
- Paper, Toilet-. Sauquoit Toilet Paper Co. Nos. 93,912-26; Oct. 21; Gaz. vol. 195; p. 814.
- Paper, Toilet-. Sauquoit Toilet Paper Co. No. 94,028; Oct. 28; Gaz. vol. 195; p. 1047.
- Paper, Toilet-. A. U. Morse. No. 94,195; Nov. 11; Gaz. vol. 196; p. 522.
- Paper, Toilet-. Sauquoit Toilet Paper Co. Nos. 94,203-4; Nov. 11; Gaz. vol. 196; p. 522.
- Paper, Toilet-. Adirondack Tissue Paper Co. No. 94,261; Nov. 25; Gaz. vol. 196; p. 1047.
- Paper, Toilet-. A. U. Morse. No. 94,390; Dec. 2; Gaz. vol. 197; p. 236.
- Paper, Toilet-. Sauquoit Toilet Paper Co. No. 94,400; Dec. 2; Gaz. vol. 197; p. 236.
- Paper, Toilet-. Sauquoit Toilet Paper Co. No. 94,533; Dec. 9; Gaz. vol. 197; p. 530.
- Paper, Toilet-. Albany Perforated Wrapping Paper Co. No. 94,570; Dec. 23; Gaz. vol. 197; p. 991.
- Paper towels and napkins and toilet-paper. Schermerhorn Bros. Co. No. 93,300; Sept. 2; Gaz. vol. 194; p. 270.
- Paper towels and toilet-paper. Heco Envelope & Paper Company. No. 94,376; Dec. 2; Gaz. vol. 197; p. 236.
- Paper, Waxed. Kuhmarker Manufacturing Company. No. 91,492; May 6; Gaz. vol. 190; p. 260.
- Paper-weights, ink-wells, paper-files, &c., Metal. Twisted Wire and Steel Co. No. 93,480; Sept. 16; Gaz. vol. 194; p. 741.
- Paper, Wrapping-. Magnolia Paper Co. No. 89,932; Jan. 21; Gaz. vol. 186; p. 794.
- Paper, Wrapping-. Berlin Mills Company. No. 90,957; Apr. 8; Gaz. vol. 189; p. 517.
- Paper, Wrapping-. Berlin Mills Company. No. 91,160; Apr. 22; Gaz. vol. 189; p. 1025.
- Paper, Wrapping-. Stone-Ordean-Wells Company. No. 92,737; July 22; Gaz. vol. 192; p. 986.
- Paper, Wrapping-. Stone-Ordean-Wells Company. No. 92,919; Aug. 5; Gaz. vol. 193; p. 216.
- Paper, Wrapping and bag. West Jersey Paper Manufacturing Company. No. 90,270; Feb. 11; Gaz. vol. 187; p. 510.
- Paper, Wrapping or packing. Société Anonyme Pape-teries Delcroix. No. 90,251; Feb. 11; Gaz. vol. 187; p. 509.
- Paper, Writing-. Lee Paper Company. No. 91,776; May 27; Gaz. vol. 190; p. 1024.
- Paper, Writing-. Artercraft Lithographing Company. No. 91,833; June 3; Gaz. vol. 191; p. 287.
- Paper, Writing-. Chapin & Gould Paper Company. No. 93,073; Aug. 19; Gaz. vol. 193; p. 749.
- Paper, Writing-. Nave-McCord Mercantile Co. Nos. 93,109-10; Aug. 19; Gaz. vol. 193; p. 750.
- Paper, Writing-. H. A. Sarle. No. 93,562; Sept. 23; Gaz. vol. 194; p. 948.
- Paper, Writing and bond. The Blunden-Lyon Company. No. 91,164; Apr. 22; Gaz. vol. 189; p. 1025.
- Paper, Writing and bond. The Blunden-Lyon Company. No. 92,867; Aug. 5; Gaz. vol. 193; p. 215.
- Paper, Writing and printing. M. Greenebaum. No. 90,197; Feb. 11; Gaz. vol. 187; p. 508.

Alphabetical list of trade-marks—Continued.

- Paper, Writing and printing. M. Greenebaum. No. 90,804; Mar. 25; Gaz. vol. 188; p. 1048.
- Paper, Writing and printing. American Writing Paper Company. No. 90,952; Apr. 8; Gaz. vol. 189; p. 517.
- Paper, Writing and printing. American Writing Paper Company. No. 91,543; May 13; Gaz. vol. 190; p. 543.
- Paper, Writing and printing. W. H. Beaver. No. 92,781; July 29; Gaz. vol. 192; p. 1255.
- Paper, Writing and wrapping. Hollingsworth & Whitney Company. Nos. 89,847-8; Jan. 14; Gaz. vol. 186; p. 552.
- Paper, Writing, cover, and book. The Alling & Cory Company. No. 91,148; Apr. 22; Gaz. vol. 189; p. 1025.
- Paper, writing-paper, and envelopes. Toilet. The Imperial Merchandise Co. No. 93,857; Oct. 21; Gaz. vol. 195; p. 812.
- Paper, Writing, printing, drawing, and pencil. J. C. Blair Company. No. 90,156; Feb. 11; Gaz. vol. 187; p. 507.
- Papers and envelopes, Letter-. J. Mayer. No. 93,455; Sept. 16; Gaz. vol. 194; p. 740.
- Papers and magazines. Associated Farm Papers. No. 93,661; Oct. 14; Gaz. vol. 195; p. 533.
- Papers and type-writer ribbons, Carbon-. Union Ribbon & Carbon Co. No. 89,893; Jan. 14; Gaz. vol. 186; p. 554.
- Papers, Bond-. American Sales Book Company. Nos. 90,949-50; Apr. 8; Gaz. vol. 189; p. 517.
- Papers, Butter, Manila, and toilet. C. C. Truax & Company. No. 94,335; Nov. 25; Gaz. vol. 196; p. 1049.
- Papers, Filtering-. C. Schleicher & Schüll. No. 94,328; Nov. 25; Gaz. vol. 196; p. 1049.
- Papers, Photographic. Anytone Limited. No. 90,498; Mar. 4; Gaz. vol. 188; p. 237.
- Papers, saturating and deadening felt, Building-. P. Kingston. No. 94,088; Nov. 4; Gaz. vol. 196; p. 270.
- Papers, Sheathing-. Berlin Mills Company. No. 91,941; June 10; Gaz. vol. 191; p. 581.
- Papers, Wall-. Societe Anonyme des Usines Peters-Lacroix. No. 92,135; June 17; Gaz. vol. 191; p. 828.
- Papers, Wrapping-. Continental Paper Bag Company. No. 90,514; Mar. 4; Gaz. vol. 188; p. 237.
- Papers, Wrapping-. Continental Paper Bag Company. No. 91,558; May 13; Gaz. vol. 190; p. 543.
- Papers, Writing-. Old Berkshire Mills Company. No. 91,793; May 27; Gaz. vol. 190; p. 1024.
- Parasols. Follmer, Clogg & Co. No. 90,978; Apr. 8; Gaz. vol. 189; p. 518.
- Parasols and umbrellas. F. Revel Pere & Fils. No. 93,117; Aug. 19; Gaz. vol. 193; p. 750.
- Paris green. Western Paris Green Works. No. 90,271; Feb. 11; Gaz. vol. 187; p. 510.
- Paste, Adhesive labeling-. L. N. Adler. No. 94,262; Nov. 25; Gaz. vol. 196; p. 1047.
- Paste, Library-. Milton Bradley Company. No. 92,529; July 15; Gaz. vol. 192; p. 738.
- Pastes, Adhesive. Ernecke & Salmstein Company. No. 94,358; Dec. 2; Gaz. vol. 197; p. 235.
- Paving composition. The Amies Asphalt Co. No. 93,061; Aug. 19; Gaz. vol. 193; p. 749.
- Paving material, Asphalt-cement. John R. Ott Contracting Company. No. 94,746; Dec. 30; Gaz. vol. 197; p. 1288.
- Peaches and certain named citrus fruits. Mace & Son. No. 92,347; July 1; Gaz. vol. 192; p. 212.
- Peanut-butter and coffee. J. W. Harrison. No. 90,436; Feb. 25; Gaz. vol. 187; p. 1112.
- Pearls. L. Heller & Son. No. 90,809; Mar. 25; Gaz. vol. 188; p. 1048.
- Pearls, rubies, sapphires, and emeralds. John Wanamaker, Philadelphia. No. 92,749; July 22; Gaz. vol. 192; p. 987.
- Pencil-pockets, school-bags, shawl-straps, &c. Tower Manufacturing & Novelty Co. No. 91,138; Apr. 15; Gaz. vol. 189; p. 777.
- Pencils. Morley Brothers. No. 90,461; Feb. 25; Gaz. vol. 187; p. 1112.
- Pencils and fountain-pens. G. A. Soden. Nos. 89,881-4; Jan. 14; Gaz. vol. 186; pp. 553-4.
- Pencils, crayons, rubber erasers and bands, rulers, &c. A. W. Faber. No. 94,549; Dec. 16; Gaz. vol. 197; p. 777.
- Pencils, Drawing-. E. G. Soltmann. No. 91,614; May 13; Gaz. vol. 190; p. 545.
- Pencils, pens, and leads. Self-Sharpening Pencil Company. No. 90,248; Feb. 11; Gaz. vol. 187; p. 509.
- Pens and nibs therefor, Fountain-. L. & C. Hardtmuth. No. 93,442; Sept. 16; Gaz. vol. 194; p. 740.
- Pens, Fountain-. H. A. Lee. No. 91,775; May 27; Gaz. vol. 190; p. 1024.
- Pens, Fountain-. The Parker Pen Company. No. 93,458; Sept. 16; Gaz. vol. 194; p. 740.
- Pens, Fountain and stylographic. W. H. Smith & Son. No. 91,809; May 27; Gaz. vol. 190; p. 1025.
- Pens, Steel. The Esterbrook Steel Pen Mfg. Co. Nos. 92,056-7; June 17; Gaz. vol. 191; pp. 825-6.
- Pens, Steel. The Esterbrook Steel Pen Mfg. Co. Nos. 92,200-3; June 24; Gaz. vol. 191; p. 1062.
- Pens, Steel. G. W. Hughes. Nos. 93,600-1; Sept. 30; Gaz. vol. 194; p. 1137.
- Pens, Steel. G. W. Hughes. No. 94,379; Dec. 2; Gaz. vol. 197; p. 236.
- Pens, Steel. G. W. Hughes. No. 94,640; Dec. 23; Gaz. vol. 197; p. 993.
- Pens, Steel writing-. R. Blanckertz. Nos. 90,501-3; Mar. 4; Gaz. vol. 188; p. 237.
- Pens, Writing-. R. Oettinger. Nos. 91,015-21; Apr. 8; Gaz. vol. 189; p. 519.
- Pens, Writing-. R. Oettinger. No. 91,122; Apr. 15; Gaz. vol. 189; p. 776.
- Pens, Writing-. The Esterbrook Steel Pen Mfg. Co. No. 92,413; July 8; Gaz. vol. 192; p. 512.
- Percale. W. Anderson & Co. No. 94,578; Dec. 23; Gaz. vol. 197; p. 991.
- Perforating and punching machinery. The Samuel C. Tatum Company. No. 90,758; Mar. 18; Gaz. vol. 188; p. 805.
- Perfume and toilet water. Lazell, Perfumer. No. 92,565; July 15; Gaz. vol. 192; p. 739.
- Perfume, toilet water, face-cream, face and tooth powders. A. D. Adams. No. 94,234; Nov. 18; Gaz. vol. 196; p. 801.
- Perfume, toilet water, sachet and complexion powder. Solon Palmer. No. 92,573; July 15; Gaz. vol. 192; p. 739.
- Perfume, toilet water, sachet and talcum powder. Hanson-Jenks Company. No. 89,746; Jan. 7; Gaz. vol. 186; p. 285.
- Perfumes. B. W. McCandless. No. 90,554; Mar. 4; Gaz. vol. 188; p. 238.
- Perfumes. F. S. Mason. No. 93,245; Aug. 26; Gaz. vol. 193; p. 1014.
- Perfumes and cold-creams. V. H. Chronister. No. 93,426; Sept. 16; Gaz. vol. 194; p. 739.
- Perfumes and lotions. E. Lowenstern. No. 92,346; July 1; Gaz. vol. 192; p. 212.
- Perfumes and parts thereof. A. Deppe Söhne. No. 89,960; Jan. 21; Gaz. vol. 186; p. 794.
- Perfumes and sachet-powders. Richard Hudnut. No. 90,116; Feb. 4; Gaz. vol. 187; p. 228.
- Perfumes and toilet water. The Andrew Jergens Co. No. 90,709; Mar. 18; Gaz. vol. 188; p. 804.
- Perfumes, face-paints, and rouges. E. Wertheimer & Cie. No. 94,703; Dec. 23; Gaz. vol. 197; p. 995.
- Perfumes, toilet powder, waters, and creams, sachet-powders, &c. Arthur Chemical Co. No. 94,541; Dec. 16; Gaz. vol. 197; p. 777.
- Perfumes, toilet waters, and face-powders. Austro-Hungarian Art Co. No. 93,588; Sept. 30; Gaz. vol. 194; p. 1137.
- Perfumes, toilet waters and powders. Charles Hedden, Incorporated. No. 91,661; May 20; Gaz. vol. 190; p. 788.
- Perfumed bath-tablets. Fabrik chemischer und pharmazeutischer Präparate Dr. Franz Stohr. Gesellschaft mit beschränkter Haftung. No. 90,315; Feb. 18; Gaz. vol. 187; p. 824.
- Perfumeries, essences for perfumery, and face-powder. L. T. Piver & Cie. No. 92,119; June 17; Gaz. vol. 191; p. 827.
- Perfumery. A. J. Hilbert & Co. No. 90,537; Mar. 4; Gaz. vol. 188; p. 238.
- Perfumery. Autran & Ardisson. No. 94,416; Dec. 9; Gaz. vol. 197; p. 527.
- Perfumery. G. C. Wilson. No. 94,706; Dec. 23; Gaz. vol. 197; p. 995.
- Periodical, Monthly. Brown & Bigelow. No. 92,944; Aug. 12; Gaz. vol. 193; p. 503.
- Periodical, Monthly. Thomson & Burton Co. No. 93,047; Aug. 12; Gaz. vol. 193; p. 506.
- Periodical, Monthly. Chamber of Commerce of the United States of America. No. 93,334; Sept. 9; Gaz. vol. 194; p. 545.
- Periodical, Monthly. Campbell & Kemper. No. 93,520; Sept. 23; Gaz. vol. 194; p. 947.
- Periodical, Monthly. W. A. Young. No. 94,142; Nov. 4; Gaz. vol. 196; p. 272.
- Periodical or magazine. Draper Company. No. 93,525; Sept. 23; Gaz. vol. 194; p. 947.
- Periodical publication. The Curtis Publishing Company. No. 93,341; Sept. 9; Gaz. vol. 194; p. 545.
- Periodical, Semimonthly. S. W. Straus & Co. No. 93,392; Sept. 9; Gaz. vol. 194; p. 547.
- Periodical, Weekly. Textile Publishing Company. No. 91,044; Apr. 8; Gaz. vol. 189; p. 520.
- Periodical, Weekly. Florida Growers Publishing Company. No. 91,471; May 6; Gaz. vol. 190; p. 260.
- Periodicals. Liberty Publishing Co. No. 89,755; Jan. 7; Gaz. vol. 186; p. 285.
- Periodicals. The W. S. Tyler Company. Nos. 92,922-3; Aug. 5; Gaz. vol. 193; p. 216.
- Periodicals, Monthly. The Model American Kitchen Company. No. 94,475; Dec. 9; Gaz. vol. 197; p. 529.
- Peroxid of hydrogen. Commercial Chemical Company. No. 93,970; Oct. 28; Gaz. vol. 195; p. 1045.
- Petroleum. Standard Oil Company of New York. No. 94,402; Dec. 2; Gaz. vol. 197; p. 236.
- Petroleum asphalt. Standard Oil Company. No. 93,771; Oct. 14; Gaz. vol. 195; p. 536.
- Petroleum jelly. Chesebrough Manufacturing Co. No. 92,534; July 15; Gaz. vol. 192; p. 738.

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- Petroleum pitch. Standard Oil Company. No. 93,770; Oct. 14; Gaz. vol. 195; p. 536.
- Petroleum, Refined. Standard Oil Company of New York. No. 89,886; Jan. 14; Gaz. vol. 186; p. 554.
- Petroleum, Refined. Standard Oil Company of New York. No. 91,389; Apr. 29; Gaz. vol. 189; p. 1277.
- Petroleum, Refined. West India Oil Company. No. 92,380; July 1; Gaz. vol. 192; p. 213.
- Petroleum, Refined. Standard Oil Company of New York. No. 93,772; Oct. 14; Gaz. vol. 195; p. 536.
- Petroleum, Refined. Standard Oil Co. of New York. No. 94,498; Dec. 9; Gaz. vol. 197; p. 529.
- Petticoats, rompers, and dresses, Children's. Carson, Pirie, Scott & Co. No. 93,821; Oct. 21; Gaz. vol. 195; p. 811.
- Pharmaceutical and toilet preparations, Certain. V Co. No. 90,859; Mar. 25; Gaz. vol. 188; p. 1049.
- Pharmaceutical preparation. W. T. James. No. 90,539; Mar. 4; Gaz. vol. 188; p. 238.
- Pharmaceutical preparation. E. Schaffer. No. 93,299; Sept. 2; Gaz. vol. 194; p. 270.
- Pharmaceutical preparation. P. R. Craig. No. 93,972; Oct. 28; Gaz. vol. 195; p. 1045.
- Pharmaceutical preparation, Certain. O. P. Gambati. No. 91,196; Apr. 22; Gaz. vol. 189; p. 1026.
- Pharmaceutical preparation, Certain. Men's Dispensary Company. No. 93,004; Aug. 12; Gaz. vol. 193; p. 505.
- Pharmaceutical preparation for certain ailments. Sokol Chemical Company. No. 93,473; Sept. 16; Gaz. vol. 194; p. 741.
- Pharmaceutical preparations and remedies for certain named diseases, Certain. Lanman & Kemp. Nos. 90,713-14; Mar. 18; Gaz. vol. 188; p. 804.
- Pharmaceutical preparations, Certain. Relda Manufacturing Co. No. 91,899; June 3; Gaz. vol. 191; p. 289.
- Pharmaceutical preparations, Certain. Sterling Laboratory. No. 93,248; Aug. 26; Gaz. vol. 193; p. 1014.
- Pharmaceutical preparations, Certain. E. D. Hirschy. No. 93,354; Sept. 9; Gaz. vol. 194; p. 546.
- Pharmaceutical preparations, Certain named. L. D. Perkins. No. 90,573; Mar. 4; Gaz. vol. 188; p. 239.
- Pharmaceutical preparations, Certain named. O. W. Koch. No. 90,995; Apr. 8; Gaz. vol. 189; p. 518.
- Pharmaceutical preparations, Certain named. The Samurai Perfume Co. No. 91,037; Apr. 8; Gaz. vol. 189; p. 519.
- Pharmaceutical preparations, Certain named. Richard Hudnut. No. 91,213; Apr. 22; Gaz. vol. 189; p. 1027.
- Pharmaceutical preparations, Certain named. Mansell Chemical Company. No. 91,423; Apr. 29; Gaz. vol. 189; p. 1278.
- Pharmaceutical preparations, Certain named. The Theo. Ricksecker Co. No. 91,696; May 20; Gaz. vol. 190; p. 789.
- Pharmaceutical preparations, Certain named. F. Uhry. No. 91,719; May 20; Gaz. vol. 190; p. 789.
- Pharmaceutical preparations, Certain named. Owl Drug Company. No. 93,373; Sept. 9; Gaz. vol. 194; p. 546.
- Pharmaceutical preparations, Certain named. W. J. Ryan. No. 94,326; Nov. 25; Gaz. vol. 196; p. 1048.
- Pharmaceutical product, Certain. Society of Chemical Industry in Basle. No. 92,732; July 22; Gaz. vol. 192; p. 986.
- Pharmaceutical solution. Aktiengesellschaft vormals B. Siegfried. No. 91,628; May 20; Gaz. vol. 190; p. 787.
- Phenol-methylene plastic compounds. Condensite Company of America. No. 91,556; May 13; Gaz. vol. 190; p. 543.
- Phonographs and reproducing devices connected therewith. Automatic Enunciator Co. No. 93,663; Oct. 14; Gaz. vol. 195; p. 533.
- Phonolith. M. J. Potent. No. 92,464; July 8; Gaz. vol. 192; p. 513.
- Photographic and stationery supplies. A. M. Collins Manufacturing Company. No. 89,817; Jan. 14; Gaz. vol. 186; p. 552.
- Photographic cameras, objectives, shutters, &c. F. Déckel Gesellschaft mit beschränkter Haftung. No. 90,299; Feb. 18; Gaz. vol. 187; p. 823.
- Photographic collodion. Solution designed to accelerate the preparation of. Seldner & Enequist. No. 93,039; Aug. 12; Gaz. vol. 193; p. 506.
- Photographic developer. Eastman Kodak Company. No. 94,240; Nov. 18; Gaz. vol. 196; p. 801.
- Photographic paper. Eastman Kodak Company. No. 90,002; Jan. 28; Gaz. vol. 186; p. 982.
- Photographic paper and cardboard. Kraft & Steudel Fabrik Photographischer Papiere Gesellschaft mit beschränkter Haftung. No. 91,584; May 13; Gaz. vol. 190; p. 544.
- Photographic paper and plates. A. E. Jacobsen. No. 93,446; Sept. 16; Gaz. vol. 194; p. 740.
- Photographic papers. S. M. Rosin. No. 89,952; Jan. 21; Gaz. vol. 186; p. 794.
- Photographic papers, Sensitized. G. Cramer. No. 92,321; July 1; Gaz. vol. 192; p. 211.
- Photographic plates and films and kinematograph-films. H. B. Manissadjian. No. 94,188; Nov. 11; Gaz. vol. 196; p. 522.
- Photographs and postal-card photographs. H. W. Stein. No. 94,770; Dec. 30; Gaz. vol. 197; p. 1289.
- Photography, Developers, intensifiers, &c., for. Société Anonyme "Utocolor." No. 91,710; May 20; Gaz. vol. 190; p. 789.
- Piano-backs. Lechner & Schoenberger Company. No. 91,585; May 13; Gaz. vol. 190; p. 544.
- Piano-players. Hardman, Peck & Co. No. 90,637; Mar. 11; Gaz. vol. 188; p. 509.
- Piano-players. W. R. Berry. No. 91,064; Apr. 15; Gaz. vol. 189; p. 775.
- Pianos. The John Church Company. No. 89,925; Jan. 21; Gaz. vol. 186; p. 793.
- Pianos. C. M. Stieff. No. 89,964; Jan. 21; Gaz. vol. 186; p. 795.
- Pianos. Brambach Piano Company. Nos. 90,286-7; Feb. 18; Gaz. vol. 187; p. 823.
- Pianos. Pfueger Piano Co. No. 93,290; Sept. 2; Gaz. vol. 194; p. 270.
- Pianos. The Autopiano Company. No. 93,416; Sept. 16; Gaz. vol. 194; p. 739.
- Pianos and attachments thereto. Henry & S. G. Lindeman. No. 92,241; June 24; Gaz. vol. 191; p. 1063.
- Pianos and perforated music-sheets, Player-. Kranich & Bach. No. 94,558; Dec. 16; Gaz. vol. 197; p. 777.
- Pianos and piano-players. Stix, Baer & Fuller Dry Goods Company. No. 89,777; Jan. 7; Gaz. vol. 186; p. 286.
- Pianos and player-pianos. Schubert Piano Co. No. 90,590; Mar. 4; Gaz. vol. 188; p. 240.
- Pianos and player-pianos. J. & C. Fischer. No. 94,364; Dec. 2; Gaz. vol. 197; p. 235.
- Pianos, piano-players, and perforated music-sheets for said implements, Player-. The "Aeolian Company." No. 90,279; Feb. 18; Gaz. vol. 187; p. 823.
- Pianos, piano-players, and piano-actions. The Lyra-chord Company. No. 93,451; Sept. 16; Gaz. vol. 194; p. 740.
- Pianos, Player-. W. F. Frederick Piano Co. No. 90,980; Apr. 8; Gaz. vol. 189; p. 518.
- Pianos, Player-. The Sterling Company. No. 92,595; July 15; Gaz. vol. 192; p. 740.
- Pickles. The Johnson Pickle Corporation. No. 93,485; Sept. 16; Gaz. vol. 194; p. 741.
- Picture and mirror frames. Foster Brothers. No. 91,190; Apr. 22; Gaz. vol. 189; p. 1026.
- Picture films and cameras, mutoscope-pictures, and exhibiting-machines, Moving-. Biograph Company. No. 94,594; Dec. 23; Gaz. vol. 197; p. 991.
- Picture films and projecting apparatus therefor, Moving-. Ryno Film Company. No. 93,296; Sept. 2; Gaz. vol. 194; p. 270.
- Picture films, Moving-. Pathé Frères. No. 91,369; Apr. 29; Gaz. vol. 189; p. 1277.
- Picture films, Moving-. Societe Francaise des Films et Cinematographes Eclair. No. 91,613; May 13; Gaz. vol. 190; p. 545.
- Picture films, Moving-. Societe Francaise des Films et Cinematographes Eclair. No. 91,711; May 20; Gaz. vol. 190; p. 789.
- Picture films, Moving-. Societe Francaise des Films et Cinematographes Eclair. No. 92,731; July 22; Gaz. vol. 192; p. 986.
- Picture films, Moving-. Societe Francaise des Films et Cinematographes Eclair. No. 93,043; Aug. 12; Gaz. vol. 193; p. 506.
- Picture films, Moving-. Directors Film Corporation. No. 93,975; Oct. 28; Gaz. vol. 195; p. 1045.
- Picture-frames, mirrors, bedsteads, &c. Daimler-Motoren-Gesellschaft. No. 91,948; June 10; Gaz. vol. 191; p. 581.
- Picture machines, cameras, kodaks, and photographic films, Moving-. F. W. Hochstetter. Nos. 94,729-30; Dec. 30; Gaz. vol. 197; p. 1287.
- Picture, negative and positive films, and kinetoscopes, Moving-. Ortho Film Co. No. 90,731; Mar. 18; Gaz. vol. 188; p. 805.
- Pictures and illustrations published serially. The New York Herald Company. Nos. 94,742-3; Dec. 30; Gaz. vol. 197; p. 1288.
- Pictures, Apparatus for the reproduction of. N. J. Norman. No. 89,766; Jan. 7; Gaz. vol. 186; p. 286.
- Piece goods and cut lengths, Certain named. Collins & Aikman Company. No. 90,510; Mar. 4; Gaz. vol. 188; p. 237.
- Piece goods and knitted piece goods, Certain named. E. Puigdemolas. No. 90,836; Mar. 25; Gaz. vol. 188; p. 1048.
- Piece goods, &c., Certain. F. A. Patrick & Company. No. 90,733; Mar. 18; Gaz. vol. 188; p. 805.
- Piece goods, Certain named. North Texas Dry Goods Company. No. 91,792; May 27; Gaz. vol. 190; p. 1024.
- Piece goods textile fabric treated with certain substances. Jenkins, Kreer & Co. No. 90,541; Mar. 4; Gaz. vol. 188; p. 238.
- Pies. George G. Fox Company. No. 92,765; July 29; Gaz. vol. 192; p. 1255.
- Piles, Device for the treatment of. F. S. Chance. No. 94,236; Nov. 18; Gaz. vol. 196; p. 801.
- Pill, Cathartic. The Sydney Ross Co. No. 91,799; May 27; Gaz. vol. 190; p. 1025.

Alphabetical list of trade-marks—Continued.

- Pills. The Upjohn Company. No. 91,720; May 20; Gaz. vol. 190; p. 789.
- Pills, corn-solvent, ointment, liniment, &c. The Rey-o Drug Co. of Pittsburgh. No. 91,251; Apr. 22; Gaz. vol. 189; p. 1028.
- Pills for the stomach and liver. C. Mayne. No. 94,791; Dec. 30; Gaz. vol. 197; p. 1289.
- Pills, Kidney-. The Bole Drug Company. No. 94,159; Nov. 11; Gaz. vol. 196; p. 521.
- Pills, ointment, worm specific, and insect-powder. Shedd Medicine Company. No. 93,612; Sept. 30; Gaz. vol. 194; p. 1138.
- Pillow-sham holders. J. Oswald. No. 93,748; Oct. 14; Gaz. vol. 195; p. 535.
- Pillows. Chas. Emmerich & Co. No. 91,955; June 10; Gaz. vol. 191; p. 582.
- Pin cups and trays. Tower Manufacturing & Novelty Co. No. 90,600; Mar. 4; Gaz. vol. 188; p. 240.
- Pins and display-emblems. The Society for the Prevention of Useless Giving. No. 92,277; June 24; Gaz. vol. 191; p. 1064.
- Pins, Common and safety. Geo. Borgfeldt & Co. No. 92,175; June 24; Gaz. vol. 191; p. 1061.
- Pins, hair-barrettes, tie-clasps, link-buttons, and bracelets. E. A. Potter Company. No. 94,199; Nov. 11; Gaz. vol. 196; p. 522.
- Pins, Safety-. Austin-Walker Sales Company. No. 94,585; Dec. 23; Gaz. vol. 197; p. 991.
- Pins, Toilet-. J. E. Horrax. No. 90,706; Mar. 18; Gaz. vol. 188; p. 804.
- Pineapples. Kopf Nursery & Realty Co. No. 94,289; Nov. 25; Gaz. vol. 196; p. 1048.
- Pipe attachments, Smokers'. H. Elliott. No. 92,412; July 8; Gaz. vol. 192; p. 512.
- Pipe-covering, Fire and water proof. J. A. Scharwath. No. 93,035; Aug. 12; Gaz. vol. 193; p. 506.
- Pipe joints and connections and flexible pipe-joints and cut-out valves. Barco Brass & Joint Co. No. 91,309; Apr. 29; Gaz. vol. 189; p. 1275.
- Pipe-joints, Paste for tightening. Thread Tight Co. No. 93,393; Sept. 9; Gaz. vol. 194; p. 547.
- Pipes. R. A. Schoenberg. No. 94,090; Oct. 28; Gaz. vol. 195; p. 1047.
- Pipes. The Klingenstein Company. No. 94,645; Dec. 23; Gaz. vol. 197; p. 993.
- Pipes, Ceiling-sleeves for. Standard Pipe Covering Co. No. 94,769; Dec. 30; Gaz. vol. 197; p. 1289.
- Pipes, Corncob. Missouri Meerscham Company. No. 93,006; Aug. 12; Gaz. vol. 193; p. 505.
- Pipes, Smokers'. R. T. Morris. No. 91,106; Apr. 15; Gaz. vol. 189; p. 776.
- Pipes, Smokers'. Wetzel Pipe Co. No. 91,283; Apr. 22; Gaz. vol. 189; p. 1029.
- Pipes, Smokers'. C. Hirsch. No. 91,342; Apr. 29; Gaz. vol. 189; p. 1276.
- Pipes, Smokers'. A. Oppenheim & Co. No. 94,024; Oct. 28; Gaz. vol. 195; p. 1047.
- Pipes, Smokers'. C. C. Truax & Company. No. 94,406; Dec. 2; Gaz. vol. 197; p. 237.
- Pipes, Tobacco-. The Lord Pipe Company. No. 90,452; Feb. 25; Gaz. vol. 187; p. 1112.
- Pipes, tubes, and casings. National Tube Company. No. 90,828; Mar. 25; Gaz. vol. 188; p. 1048.
- Pipes, tubes, and casings. National Tube Company. No. 91,231; Apr. 22; Gaz. vol. 189; p. 1027.
- Pipes, tubes, and casings. National Tube Company. No. 91,892; June 3; Gaz. vol. 191; p. 289.
- Pipes, tubes, and casings. National Tube Company. No. 94,196; Nov. 11; Gaz. vol. 196; p. 522.
- Pipes, tubes, and casings. National Tube Company. No. 94,392; Dec. 2; Gaz. vol. 197; p. 236.
- Pitch and resin, Pine. Pensacola Tar & Turpentine Company. No. 91,370; Apr. 29; Gaz. vol. 189; p. 1277.
- Pitch for waterproofing, &c. Barrett Manufacturing Company. No. 89,980; Jan. 28; Gaz. vol. 186; p. 981.
- Plaster, Land-. Chas. W. Priddy & Company. No. 91,247; Apr. 22; Gaz. vol. 189; p. 1028.
- Plasters, Porous. Whitall Tatum Company. No. 93,574; Sept. 23; Gaz. vol. 194; p. 948.
- Plow-castings. T. Ward. No. 90,606; Mar. 4; Gaz. vol. 188; p. 240.
- Plows, markers, potato-coverers, and root-cutters. W. Eddy Plow Co. No. 92,049; June 17; Gaz. vol. 191; p. 825.
- Plumbago. Graphites Maskar Société Anonyme. No. 94,176; Nov. 11; Gaz. vol. 196; p. 522.
- Plumbago for lubricating. Graphites-Maskar Société Anonyme. No. 93,090; Aug. 19; Gaz. vol. 193; p. 750.
- Plumbago for polishing. Graphites Maskar Société Anonyme. No. 93,529; Sept. 23; Gaz. vol. 194; p. 947.
- Plumbago, sea-coal, and foundry-facings. T. P. Kelly. No. 90,848; Mar. 25; Gaz. vol. 188; p. 1049.
- Plumbing and steam-fitting supplies, Certain named. Locke Regulator Company. No. 93,735; Oct. 14; Gaz. vol. 195; p. 535.
- Plumbing and steam-fitting supplies, Certain named. Rickersberg Brass Company. No. 94,487; Dec. 9; Gaz. vol. 197; p. 529.
- Pocket-books. Pocket-Book Company. No. 91,124; Apr. 15; Gaz. vol. 189; p. 777.
- Pockets for waste materials. C. Izett. No. 91,071; Apr. 15; Gaz. vol. 189; p. 775.
- Poison for squirrels. M. J. Nunes. No. 94,105; Nov. 4; Gaz. vol. 196; p. 270.
- Pole line-holders, guy-clamps, strain-insulators, &c. Barnes & Kobert Manufacturing Company. No. 93,256; Sept. 2; Gaz. vol. 194; p. 269.
- Polish and cleaner for wood, &c. B. Lauber. No. 89,930; Jan. 21; Gaz. vol. 186; p. 794.
- Polish for furniture, hardwood floors, &c. The Allen-Williams Company. No. 92,158; June 24; Gaz. vol. 191; p. 1061.
- Polish for furniture, woodwork, carriages, &c. G. T. Jar-den. No. 93,361; Sept. 9; Gaz. vol. 194; p. 546.
- Polish for silverware, &c. J. Lewis. No. 92,899; Aug. 5; Gaz. vol. 193; p. 216.
- Polish, Furniture-. Kro-Kuec Company. No. 92,687; July 22; Gaz. vol. 192; p. 985.
- Polish, Liquid. W. Chambers & Son. No. 94,164; Nov. 11; Gaz. vol. 196; p. 521.
- Polish, Stove, metal, shoe, and enamel. A-B Polish Co. No. 90,082; Feb. 4; Gaz. vol. 187; p. 227.
- Polishes, Furniture or wood. L. R. Melick & Co. No. 93,104; Aug. 19; Gaz. vol. 193; p. 750.
- Polishes, Metal-. A. T. Schlichting. No. 93,036; Aug. 12; Gaz. vol. 193; p. 506.
- Polishing and cleaning compound. E. W. Bennett & Company. No. 92,392; July 8; Gaz. vol. 192; p. 511.
- Polishing compound for furniture, pianos, automobiles, &c. L. L. Baker. No. 90,283; Feb. 18; Gaz. vol. 187; p. 823.
- Polishing materials, furniture-polishes, and floor-dressings. J. V. Lane. No. 94,385; Dec. 2; Gaz. vol. 197; p. 236.
- Polishing-wheels. Munning-Loeb Co. No. 94,102; Nov. 4; Gaz. vol. 196; p. 270.
- Pomade, liniment, and skin-lotion. Exelento Medicine Co. No. 92,058; June 17; Gaz. vol. 191; p. 826.
- Pomatum. B. L. Brun. No. 93,258; Sept. 2; Gaz. vol. 194; p. 269.
- Pop and mineral waters. M. Sachs. No. 89,876; Jan. 14; Gaz. vol. 186; p. 553.
- Porcelain or earthenware articles. Burley & Tyrrell Company. No. 91,643; May 20; Gaz. vol. 190; p. 787.
- Porcelain ware. Alexandra Porcelain Works Ernst Wah-liss. No. 89,792; Jan. 14; Gaz. vol. 186; p. 551.
- Pork. The Danahy Packing Co. No. 92,539; July 15; Gaz. vol. 192; p. 738.
- Porter, ale, and lager-beer. Old Colony Breweries Co. No. 90,729; Mar. 18; Gaz. vol. 188; p. 804.
- Potatoes and onions. A. Rosenblum. No. 90,382; Feb. 18; Gaz. vol. 187; p. 826.
- Pottery, Certain named articles of. Fulper Pottery Com-pany. No. 91,655; May 20; Gaz. vol. 190; p. 788.
- Poultry, fruits, and vegetables. M. S. Hallock & Com-pany. No. 94,370; Dec. 2; Gaz. vol. 197; p. 235.
- Poultry, game, eggs, butter, and cheese. F. M. Gray. No. 90,531; Mar. 4; Gaz. vol. 188; p. 238.
- Powder. The Western Cartridge Co. No. 91,281; Apr. 22; Gaz. vol. 189; p. 1029.
- Powder. Wedgerite Powder Company. No. 94,340; Nov. 25; Gaz. vol. 196; p. 1049.
- Powder and tablets, Foot. The Minnesota Pharmaceutical Mfg. Co. No. 91,436; Apr. 29; Gaz. vol. 189; p. 1279.
- Powder, Antiseptic. The Anglo-American Pharmaceutical Company. No. 94,780; Dec. 30; Gaz. vol. 197; p. 1289.
- Powder, Bath-. G. Agnel Company. No. 90,668; Mar. 18; Gaz. vol. 188; p. 803.
- Powder, Bath-. S. Brentano. No. 94,782; Dec. 30; Gaz. vol. 197; p. 1289.
- Powder, Bathing-. Nikola Chemical Company. No. 90,858; Mar. 25; Gaz. vol. 188; p. 1049.
- Powder, cold-cream, and remedy for obesity, Toilet. R. J. Gates. No. 93,983; Oct. 28; Gaz. vol. 195; p. 1046.
- Powder, Complexion-. T. M. Sayman. No. 93,472; Sept. 16; Gaz. vol. 194; p. 741.
- Powder, Dentifrice. W. H. Dewender. No. 89,737; Jan. 7; Gaz. vol. 186; p. 285.
- Powder, Foot-. Vouplé Company. No. 94,035; Oct. 28; Gaz. vol. 195; p. 1047.
- Powder, Foot-. H. Wechsler. No. 94,137; Nov. 4; Gaz. vol. 196; p. 271.
- Powder, Insect-. J. D. Riedel Aktiengesellschaft. No. 94,323; Nov. 25; Gaz. vol. 196; p. 1048.
- Powder, lotions, and creams, Face. Fort Dearborn Co. No. 92,649; July 22; Gaz. vol. 192; p. 984.
- Powder, pastes, and hair preparations, Cosmetic. P. Beiersdorf & Co. No. 93,627; Oct. 7; Gaz. vol. 195; p. 271.
- Powder-puffs. M. Levy. No. 93,605; Sept. 30; Gaz. vol. 194; p. 1137.
- Powder, Roach-. C. M. C. Manufacturing Co. No. 93,162; Aug. 26; Gaz. vol. 193; p. 1011.
- Powder, Smokeless. Hercules Powder Company. No. 93,598; Sept. 30; Gaz. vol. 194; p. 1137.
- Powder, Talcum. Gilbert Bros. & Co. No. 90,191; Feb. 11; Gaz. vol. 187; p. 508.
- Powder, Talcum. T. M. Sayman. No. 92,835; July 29; Gaz. vol. 192; p. 1257.
- Powder, Talcum. Smith, Kline & French Company. No. 93,386; Sept. 9; Gaz. vol. 194; p. 547.

Alphabetical list of trade-marks—Continued.

- Powder, Talcum. Lord & Russell Mfg. Co. No. 93,551; Sept. 23; Gaz. vol. 194; p. 948.
- Powder, Talcum. F. G. Burke. No. 94,235; Nov. 18; Gaz. vol. 196; p. 801.
- Powder, Talcum and tooth. Peerless Drug Co. No. 94,319; Nov. 25; Gaz. vol. 196; p. 1048.
- Powder, Toilet. L. Gawurin. No. 92,063; June 17; Gaz. vol. 191; p. 826.
- Powder, Toilet. The Arthur Chemical Co. No. 93,411; Sept. 16; Gaz. vol. 194; p. 739.
- Powder, Toilet. E. R. Cabanski. No. 93,964; Oct. 28; Gaz. vol. 195; p. 1045.
- Powder, Tooth-. The Butler-Ivins Co. No. 91,644; May 20; Gaz. vol. 190; p. 787.
- Powder, Tooth-. F. M. Wells. No. 94,138; Nov. 4; Gaz. vol. 196; p. 271.
- Powders and a remedy for obesity. Bath-. Madame Nordica's Company. No. 90,568; Mar. 4; Gaz. vol. 188; p. 239.
- Powders, Custard, egg, and blanc-mange. Alfred Bird and Sons. No. 93,960; Oct. 28; Gaz. vol. 195; p. 1045.
- Powders for blasting, &c. Hoynes Safety Powder Co. No. 94,637; Dec. 23; Gaz. vol. 197; p. 993.
- Powders for the complexion and toilet. I. J. Tetlow. Nos. 89,779-80; Jan. 7; Gaz. vol. 186; p. 286.
- Powders, Headache-. Zilene Chemical Company. No. 90,616; Mar. 4; Gaz. vol. 188; p. 240.
- Powders, Headache-. Zilene Chemical Company. No. 92,613; July 15; Gaz. vol. 192; p. 740.
- Powders, perfumes, and toilet waters, Face-. G. Agnel Company. No. 91,407; Apr. 29; Gaz. vol. 189; p. 1278.
- Powders, Toilet and face. G. Agnel Company. No. 90,669; Mar. 18; Gaz. vol. 188; p. 803.
- Precious metals, Certain named articles of. F. T. Wagner. No. 92,925; Aug. 5; Gaz. vol. 193; p. 217.
- Preparation for banishing mosquitos, &c. Red Rosin Products Co. No. 94,563; Dec. 16; Gaz. vol. 197; p. 778.
- Preparation for certain named affections and diseases. Upjohn Company. No. 92,378; July 1; Gaz. vol. 192; p. 213.
- Preparation for dandruff and falling hair, Chemical. L. Berliner. No. 91,161; Apr. 22; Gaz. vol. 189; p. 1025.
- Preparation for driving away mosquitos. Potter & Rozene. No. 93,642; Oct. 7; Gaz. vol. 195; p. 271.
- Preparation for increasing the wearing properties of fabrics. M. H. Hecht. No. 93,634; Oct. 7; Gaz. vol. 195; p. 271.
- Preparation for preventing obesity and reducing fat. The Sylph Company. No. 91,717; May 20; Gaz. vol. 190; p. 789.
- Preparation for preventing scalp diseases. Van Vleet-Mansfield Drug Co. No. 90,262; Feb. 11; Gaz. vol. 187; p. 510.
- Preparation for relieving certain diseases. The Laboratory Products Company. No. 91,422; Apr. 29; Gaz. vol. 189; p. 1278.
- Preparation for removing certain stains from cloths and fabrics. J. C. Brigadell. No. 90,412; Feb. 25; Gaz. vol. 187; p. 1111.
- Preparation for removing wrinkles. W. C. Cunningham. No. 91,650; May 20; Gaz. vol. 190; p. 787.
- Preparation for repolishing glazed surfaces. W. J. Dedeck. No. 91,858; June 3; Gaz. vol. 191; p. 288.
- Preparation for the treatment of piles. G. W. Jones. No. 94,556; Dec. 16; Gaz. vol. 197; p. 777.
- Preparation for the treatment of sore eyes. D. A. Smith. No. 94,793; Dec. 30; Gaz. vol. 197; p. 1289.
- Preparation for the treatment of the hair and scalp. J. Haigh. No. 93,350; Sept. 9; Gaz. vol. 194; p. 546.
- Preparation for the treatment of wounds. Kalle & Co., Aktiengesellschaft. No. 92,992; Aug. 12; Gaz. vol. 193; p. 504.
- Preparation for the treatment of wounds. Kalle & Co., Aktiengesellschaft. No. 94,244; Nov. 18; Gaz. vol. 196; p. 801.
- Preparation for treating certain diseases. Kalle & Co., Aktiengesellschaft. No. 91,218; Apr. 22; Gaz. vol. 189; p. 1027.
- Preparation for treating rheumatism and gout. Diamond "H" Mfg. Co. No. 93,234; Aug. 26; Gaz. vol. 193; p. 1013.
- Preparation for treating textile fabrics. E. F. Houghton & Company. No. 93,724; Oct. 14; Gaz. vol. 195; p. 535.
- Preparation for treatment of the skin. V Co. Nos. 90,602-3; Mar. 4; Gaz. vol. 188; p. 240.
- Preparation for venereal diseases. R. A. Bachmann. No. 93,321; Sept. 9; Gaz. vol. 194; p. 545.
- Preparation to be used in the textile industry. Kalle & Co., Aktiengesellschaft. No. 91,878; June 3; Gaz. vol. 191; p. 288.
- Preparation to be used in the treatment of tuberculosis, Copper. The Bayer Company. No. 94,590; Dec. 23; Gaz. vol. 197; p. 991.
- Preparations for bacteriological purposes, Agar. Chemische Fabrik Helfenberg A. G. vorm. Eugen Dieterich. No. 94,783; Dec. 30; Gaz. vol. 197; p. 1289.
- Preparations for destroying rats, mice, gophers, &c. Fulton Chemical Company. No. 90,188; Feb. 11; Gaz. vol. 187; p. 508.
- Preparations for the treatment of certain ailments and diseases. The Déclat Manufacturing Co. No. 93,828; Oct. 21; Gaz. vol. 195; p. 812.
- Preparations for treatment of blood and skin diseases. Natura Company. No. 92,358; July 1; Gaz. vol. 192; p. 212.
- Preserves, jams, and jellies. Victorlade Co. No. 89,896; Jan. 14; Gaz. vol. 186; p. 554.
- Presses and parts thereof, Artificial-stone. P. Wernicke. No. 94,231; Nov. 11; Gaz. vol. 196; p. 523.
- Primer and filler. Patton Paint Company. No. 94,112; Nov. 4; Gaz. vol. 196; p. 271.
- Printed and illustrated matter, Certain. M. Krause. No. 94,090; Nov. 4; Gaz. vol. 196; p. 270.
- Printing and duplicating apparatus, Stencil. J. Waller. No. 93,944; Oct. 21; Gaz. vol. 195; p. 815.
- Printing-machines. The Tagograph Co. No. 90,594; Mar. 4; Gaz. vol. 188; p. 240.
- Printing-machines. The National Advertograph Company. No. 92,446; July 8; Gaz. vol. 192; p. 513.
- Prints and publications, Certain. Barse & Hopkins. No. 93,326; Sept. 9; Gaz. vol. 194; p. 545.
- Prints and publications, Certain named. Foster Brothers. No. 90,108; Feb. 4; Gaz. vol. 187; p. 227.
- Prints and publications, Certain named. A. Jarvis. No. 92,429; July 8; Gaz. vol. 192; p. 512.
- Prints and publications, Certain named. The Krohmer Company. No. 92,433; July 8; Gaz. vol. 192; p. 512.
- Prints and publications, Certain named. Bartlett-Orr Press. No. 94,419; Dec. 9; Gaz. vol. 197; p. 527.
- Publication. J. R. Burton. No. 92,870; Aug. 5; Gaz. vol. 193; p. 215.
- Publication advertising portions. Mail and Express Company. No. 92,566; July 15; Gaz. vol. 192; p. 739.
- Publication for florists, &c., Weekly. Florists' Publishing Company. No. 94,439; Dec. 9; Gaz. vol. 197; p. 528.
- Publication, Monthly. Commercial Digest & Review. No. 92,403; July 8; Gaz. vol. 192; p. 511.
- Publication, Monthly. Stone-Ordean-Wells Company. No. 94,218; Nov. 11; Gaz. vol. 196; p. 523.
- Publication, Quarterly. Hardwood Manufacturers Association of the United States. No. 92,211; June 24; Gaz. vol. 191; p. 1062.
- Publication, Semimonthly. Volkszeitung Ptg. & Pub. Co. No. 90,267; Feb. 11; Gaz. vol. 187; p. 510.
- Publications. The United Brotherhood of Carpenters & Joiners of America. No. 90,664; Mar. 11; Gaz. vol. 188; p. 510.
- Publications and prints, Certain fine-art. The Medici Society Ltd. No. 90,227; Feb. 11; Gaz. vol. 187; p. 509.
- Publications, Fine-art. Foster Brothers. No. 90,694; Mar. 18; Gaz. vol. 188; p. 803.
- Publications, Weekly. The David Williams Company. No. 90,398; Feb. 18; Gaz. vol. 187; p. 826.
- Pulp, Wood-. M. Gottesman & Son. Nos. 94,442-3; Dec. 9; Gaz. vol. 197; p. 528.
- Pumps. C. J. Hartley Company. No. 91,868; June 3; Gaz. vol. 191; p. 288.
- Pumps. Leader Iron Works. No. 92,688; July 22; Gaz. vol. 192; p. 985.
- Pumps, Measuring oil-. S. F. Bowser & Co. No. 93,160; Aug. 26; Gaz. vol. 193; p. 1011.
- Pumps, Oil-well and deep-well. K. H. Hough. Nos. 92,555-6; July 15; Gaz. vol. 192; p. 738.
- Pumps, pump-couplings, and pipes. Red Jacket Manufacturing Company. No. 90,838; Mar. 25; Gaz. vol. 188; p. 1049.
- Puncture-proof composition. J. A. Posey. No. 94,395; Dec. 2; Gaz. vol. 197; p. 236.
- Purgative. Farbenfabriken of Elberfeld Company. No. 92,060; June 17; Gaz. vol. 191; p. 826.
- Purses and hand-bags. Eiseman, Kaiser & Co. No. 94,622; Dec. 23; Gaz. vol. 197; p. 992.
- Pushmobiles. J. Barker. No. 91,938; June 10; Gaz. vol. 191; p. 581.
- Puzzles. Forsheim & Konigsberg. No. 91,765; May 27; Gaz. vol. 190; p. 1024.
- Pyrographic devices and apparatus. Flemish Art Company. Nos. 92,970-1; Aug. 12; Gaz. vol. 193; p. 504.
- Quinin and diethylbarbituric acid, Compound of. E. Merck. No. 91,499; May 6; Gaz. vol. 190; p. 260.
- Railings, gates, and office-partitions. Art Metal Construction Co. No. 93,660; Oct. 14; Gaz. vol. 195; p. 533.
- Railway mates, crossings, frogs, and turnouts. Barbour-Stockwell Company. No. 91,751; May 27; Gaz. vol. 190; p. 1023.
- Railway systems, Certain named supplies for trolley and electric. Northwestern Construction Company. No. 93,607; Sept. 30; Gaz. vol. 194; p. 1137.
- Rain-coats. The Sartorial Manufacturing Co. No. 91,704; May 20; Gaz. vol. 190; p. 789.
- Raisins. Giffen-Hobbs Co. No. 90,428; Feb. 25; Gaz. vol. 187; p. 1111.
- Raisins. Giffen-Hobbs Co. Nos. 92,418-20; July 8; Gaz. vol. 192; p. 512.
- Raisins. Malaga Packing Co. No. 92,567; July 15; Gaz. vol. 192; p. 739.
- Raisins. Rosenberg Bros. & Co. No. 92,581; July 15; Gaz. vol. 192; p. 739.

Alphabetical list of trade-marks—Continued.

- Raisins, Seeded. California Farmers' Union. No. 90,628; Mar. 11; Gaz. vol. 188; p. 509.
- Ranges, stoves, base-burners, &c. Hibbard, Spencer, Bartlett & Co. No. 91,576; May 13; Gaz. vol. 190; p. 544.
- Rat and mice exterminator. The Modern Exterminator Co. No. 93,886; Oct. 21; Gaz. vol. 195; p. 813.
- Rat-exterminating compound. P. De Mauro. No. 94,273; Nov. 25; Gaz. vol. 196; p. 1047.
- Rats, mice, gophers, and other animals, Compound for use in exterminating. O. C. Kretschmar. No. 94,384; Dec. 2; Gaz. vol. 197; p. 236.
- Ration or lunch. L. C. Allen. No. 90,862; Apr. 1; Gaz. vol. 189; p. 247.
- Raw or partly-prepared materials, Certain. Fenofarm Corporation. Nos. 92,883-4; Aug. 5; Gaz. vol. 193; p. 215.
- Razor-hones. B. W. Stevens. No. 92,284; June 24; Gaz. vol. 191; p. 1064.
- Razor-sharpening pomade. Sottile & Korsgen. No. 94,124; Nov. 4; Gaz. vol. 196; p. 271.
- Razor-strops. Nev-A-Hone Razor Strop Company. No. 91,791; May 27; Gaz. vol. 190; p. 1024.
- Razor-strops. McGinnis-Meehan Co. No. 93,284; Sept. 2; Gaz. vol. 194; p. 270.
- Razors. Alexis Witte Cutlery Co. No. 93,141; Aug. 19; Gaz. vol. 193; p. 751.
- Razors. Vom Cleff & Co. No. 93,224; Aug. 26; Gaz. vol. 193; p. 1013.
- Razors. F. A. Koch & Co. No. 93,869; Oct. 21; Gaz. vol. 195; p. 813.
- Razors and razor-blades. The Temperite Company. No. 91,718; May 20; Gaz. vol. 190; p. 789.
- Razors and razor-blades. Matthews & Lively. Nos. 94,736-7; Dec. 30; Gaz. vol. 197; p. 1288.
- Razors, razor-blades, and shears. F. A. Clauberg & Co. No. 93,427; Sept. 16; Gaz. vol. 194; p. 739.
- Razors, razor-blades, and shears. Matthews & Lively. No. 93,736; Oct. 14; Gaz. vol. 195; p. 535.
- Razors, Safety-. The Eureka Safety Razor Co. No. 90,105; Feb. 4; Gaz. vol. 187; p. 227.
- Razors, Safety-. Tower Manufacturing & Novelty Co. No. 91,137; Apr. 15; Gaz. vol. 189; p. 777.
- Razors, Safety-. The Traut & Hine Manufacturing Company. Nos. 92,742-3; July 22; Gaz. vol. 192; p. 986.
- Receptacles, Celluloid. J. C. Dowd & Co. No. 94,275; Nov. 25; Gaz. vol. 196; p. 1047.
- Receptacles, Certain. American Optical Company. No. 92,864; Aug. 5; Gaz. vol. 193; p. 215.
- Receptacles, Certain named. Tower Manufacturing & Novelty Co. No. 91,618; May 13; Gaz. vol. 190; p. 545.
- Receptacles, Certain named. American Can Company. No. 92,935; Aug. 12; Gaz. vol. 193; p. 503.
- Receptacles for household use, Certain named. Nürnberger Metall- und Lackierwarenfabrik vormals Gebrüder Bing Aktiengesellschaft. No. 90,233; Feb. 11; Gaz. vol. 187; p. 509.
- Receptacles made of certain named materials. Henry E. Frankenberg Company. No. 93,345; Sept. 9; Gaz. vol. 194; p. 545.
- Reflectors. The Mitchell Vance Company. No. 90,648; Mar. 11; Gaz. vol. 188; p. 510.
- Reflectors and shades, Glass. Holophane Glass Company. No. 94,181; Nov. 11; Gaz. vol. 196; p. 522.
- Refrigerating-machines. Aktiengesellschaft der Maschinenfabriken Escher Wyss & Cie. Filiale Ravensburg. No. 93,145; Aug. 26; Gaz. vol. 193; p. 1011.
- Refrigerator-linings. Gibson Refrigerator Co. No. 92,665; July 22; Gaz. vol. 192; p. 984.
- Refrigerators. Aktiebolaget Frigator. No. 89,731; Jan. 7; Gaz. vol. 186; p. 285.
- Refrigerators. The Wisconsin Seating Co. No. 93,058; Aug. 12; Gaz. vol. 193; p. 506.
- Refrigerators. The Alaska Refrigerator Company. No. 93,583; Sept. 30; Gaz. vol. 194; p. 1137.
- Refrigerators. Gurney Refrigerator Company. No. 93,715; Oct. 14; Gaz. vol. 195; p. 535.
- Refrigerators and refrigerating machinery. United Refrigerator & Ice Machine Co. No. 93,783; Oct. 14; Gaz. vol. 195; p. 536.
- Remedies, chill-tonics, cough-syrups, &c., Diarrhea. The E. E. Solomon Medicine Co. No. 91,521; May 6; Gaz. vol. 190; p. 261.
- Remedies for certain named ailments and diseases. I. B. Kronberger. No. 90,120; Feb. 4; Gaz. vol. 187; p. 228.
- Remedies for certain named diseases. Gelman & Bader. No. 90,110; Feb. 4; Gaz. vol. 187; p. 228.
- Remedies for certain named diseases. C. J. Hewlett & Son. No. 90,330; Feb. 18; Gaz. vol. 187; p. 824.
- Remedies for certain named diseases. W. Phillips. No. 90,915; Apr. 1; Gaz. vol. 189; p. 248.
- Remedies for certain named diseases. Salix Chemical Company. No. 92,127; June 17; Gaz. vol. 191; p. 823.
- Remedies for certain named diseases. The E. E. Sutherland Medicine Co. No. 92,142; June 17; Gaz. vol. 191; p. 828.
- Remedies for certain named diseases. W. R. Lowman. No. 92,694; July 22; Gaz. vol. 192; p. 980.
- Remedies for certain named diseases. Dr. R. & Dr. O. Weil. No. 92,854; July 29; Gaz. vol. 192; p. 1258.
- Remedies for constipation. B. B. Forquer. No. 91,188; Apr. 22; Gaz. vol. 189; p. 1026.
- Remedies for constipation, biliousness, headache, &c. R. Porter. No. 91,689; May 20; Gaz. vol. 190; p. 789.
- Remedies for constipation, liver complaint, biliousness, &c. Wells & Richardson Company. No. 93,510; Sept. 16; Gaz. vol. 194; p. 742.
- Remedies for diseases of the blood, kidneys, and liver. E. M. Deal. No. 91,175; Apr. 22; Gaz. vol. 189; p. 1025.
- Remedies for diseases of the stomach and liver. C. Laraway. No. 90,898; Apr. 1; Gaz. vol. 189; p. 248.
- Remedies for diseases of the urinary and urogenital organs. The Voegeli Bros. Drug Company. No. 89,966; Jan. 21; Gaz. vol. 186; p. 795.
- Remedies for fowls, animals, and man, Certain named. The F. C. Sturtevant Company. No. 93,615; Sept. 30; Gaz. vol. 194; p. 1138.
- Remedies for gout and rheumatism. Chemische Fabrik auf Actien (vorm. E. Schering). No. 94,061; Nov. 4; Gaz. vol. 196; p. 269.
- Remedies for pleurisy, asthma, indigestion, &c. Taylor & McMillan. No. 93,617; Sept. 30; Gaz. vol. 194; p. 1138.
- Remedies for the treatment of gout and rheumatism. Chemische Fabrik auf Actien (vorm. E. Schering). No. 90,161; Feb. 11; Gaz. vol. 187; p. 507.
- Remedies for treatment of certain diseases, Certain. Dr. Bayer és társa. No. 93,670; Oct. 14; Gaz. vol. 195; p. 533.
- Remedies, Headache and neuralgia. S. J. Betts. No. 92,625; July 22; Gaz. vol. 192; p. 980.
- Remedies, Pile. M. A. Connolly. No. 92,535; July 15; Gaz. vol. 192; p. 738.
- Remedies, Skin and blood. Dermacide Remedy Company. No. 90,687; Mar. 18; Gaz. vol. 188; p. 803.
- Remedy against certain named diseases. M. Langmeyer. No. 92,236; June 24; Gaz. vol. 191; p. 1063.
- Remedy, Chill. F. Kynette. No. 90,548; Mar. 4; Gaz. vol. 188; p. 238.
- Remedy, Cough. M. Sasville. No. 93,207; Aug. 26; Gaz. vol. 193; p. 1013.
- Remedy, Cough. Maas & Co. No. 93,244; Aug. 26; Gaz. vol. 193; p. 1014.
- Remedy, Cough and croup. Glessner Medicine Co. No. 91,656; May 20; Gaz. vol. 190; p. 788.
- Remedy, Dropsy. M. E. Geisinger. No. 92,332; July 1; Gaz. vol. 192; p. 211.
- Remedy for abortion and sterility in domestic animals. C. H. Martin. No. 93,282; Sept. 2; Gaz. vol. 194; p. 270.
- Remedy for all affections of the throat and lungs. M. Kerins. No. 90,545; Mar. 4; Gaz. vol. 188; p. 238.
- Remedy for asthma. Kemper & Norton. No. 90,855; Mar. 25; Gaz. vol. 188; p. 1049.
- Remedy for asthma and hay-fever. A. L. Earle. No. 93,704; Oct. 14; Gaz. vol. 195; p. 534.
- Remedy for bites and stings of poisonous insects. F. W. Schoonmaker, Jr. No. 94,329; Nov. 25; Gaz. vol. 196; p. 1049.
- Remedy for blackleg. N. Crank. No. 90,173; Feb. 11; Gaz. vol. 187; p. 507.
- Remedy for bowel trouble in baby-chicks. F. A. Whartenby. No. 92,607; July 15; Gaz. vol. 192; p. 740.
- Remedy for cancer. Hubbard & Smith Co. No. 92,986; Aug. 12; Gaz. vol. 193; p. 504.
- Remedy for cancer and blood-poisoning. E. F. Matthes and Sons. No. 90,721; Mar. 18; Gaz. vol. 188; p. 804.
- Remedy for catarrh. J. M. Sessoms. No. 91,261; Apr. 22; Gaz. vol. 189; p. 1028.
- Remedy for catarrh. H. S. Waters. No. 92,152; June 17; Gaz. vol. 191; p. 828.
- Remedy for catarrh. D. S. Spicher. No. 92,280; June 24; Gaz. vol. 191; p. 1064.
- Remedy for certain ailments of horses and dogs. G. W. Park. No. 93,608; Sept. 30; Gaz. vol. 194; p. 1137.
- Remedy for certain diseases. National Medicine Co. No. 90,726; Mar. 18; Gaz. vol. 188; p. 804.
- Remedy for certain diseases. C. T. Kosch. No. 92,343; July 1; Gaz. vol. 192; p. 212.
- Remedy for certain diseases. F. Berard. No. 93,419; Sept. 16; Gaz. vol. 194; p. 739.
- Remedy for certain diseases. W. F. Bente. No. 94,347; Dec. 2; Gaz. vol. 197; p. 235.
- Remedy for certain named affections. The Borden Remedy Co. No. 91,166; Apr. 22; Gaz. vol. 189; p. 1025.
- Remedy for certain named ailments. The Antikamnia Chemical Company. No. 93,148; Aug. 26; Gaz. vol. 193; p. 1011.
- Remedy for certain named ailments. United Grocery Co. No. 93,396; Sept. 9; Gaz. vol. 194; p. 547.
- Remedy for certain named ailments. J. B. Collie. No. 94,166; Nov. 11; Gaz. vol. 196; p. 521.
- Remedy for certain named ailments. P. Ruhl. No. 94,670; Dec. 23; Gaz. vol. 197; p. 994.
- Remedy for certain named ailments and diseases. Western Mineral Products Company. No. 90,608; Mar. 4; Gaz. vol. 188; p. 240.
- Remedy for certain named ailments and diseases. C. V. Cooper. No. 91,416; Apr. 29; Gaz. vol. 189; p. 1278.

Alphabetical list of trade-marks—Continued.

- Remedy for certain named ailments. Certain compound as a. J. J. Fuchs. No. 91,194; Apr. 22; Gaz. vol. 189; p. 1026.
- Remedy for certain named diseases. P. G. Arcodares. No. 89,732; Jan. 7; Gaz. vol. 186; p. 285.
- Remedy for certain named diseases. V. Cipolla. No. 90,168; Feb. 11; Gaz. vol. 187; p. 507.
- Remedy for certain named diseases. D. K. Brockway. No. 90,961; Apr. 8; Gaz. vol. 189; p. 517.
- Remedy for certain named diseases. Farbwerke vorm. Meister Lucius & Brüning. No. 90,976; Apr. 8; Gaz. vol. 189; p. 518.
- Remedy for certain named diseases. Mrs. D. J. Browning. No. 91,414; Apr. 29; Gaz. vol. 189; p. 1278.
- Remedy for certain named diseases. F. H. Bryant. No. 91,415; Apr. 29; Gaz. vol. 189; p. 1278.
- Remedy for certain named diseases. L. E. Cash. No. 91,645; May 20; Gaz. vol. 190; p. 787.
- Remedy for certain named diseases. The Munyon Company. No. 92,569; July 15; Gaz. vol. 192; p. 739.
- Remedy for certain named diseases. I. Randazzo. No. 92,578; July 15; Gaz. vol. 192; p. 739.
- Remedy for certain named diseases. Bacorn Company. No. 92,779; July 29; Gaz. vol. 192; p. 1255.
- Remedy for certain named diseases. S. L. Cheek. No. 93,335; Sept. 9; Gaz. vol. 194; p. 545.
- Remedy for certain named diseases. J. I. Ham. No. 93,440; Sept. 16; Gaz. vol. 194; p. 740.
- Remedy for certain named diseases. J. A. Wülfing. No. 93,652; Oct. 7; Gaz. vol. 195; p. 271.
- Remedy for certain named diseases. Lebanon Co-Operative Medicine Co. No. 94,292; Nov. 25; Gaz. vol. 196; p. 1048.
- Remedy for certain named diseases. A. H. Vordick. No. 94,508; Dec. 9; Gaz. vol. 197; p. 530.
- Remedy for certain named diseases and affections. Lane & Proctor. No. 90,550; Mar. 4; Gaz. vol. 188; p. 238.
- Remedy for certain named diseases and ailments. R. C. Wilson. No. 93,948; Oct. 21; Gaz. vol. 195; p. 815.
- Remedy for certain named diseases, Medicinal. E. F. Montgomery. No. 94,476; Dec. 9; Gaz. vol. 197; p. 529.
- Remedy for certain skin affections. Chemische Fabrik Güstrow, Dr. Hillringhaus & Dr. Heilmann. No. 90,854; Mar. 25; Gaz. vol. 188; p. 1049.
- Remedy for chills and malaria. Ellis-Lillybeck Drug Co. No. 92,051; June 17; Gaz. vol. 191; p. 825.
- Remedy for colds. G. H. Gardiner. No. 90,190; Feb. 11; Gaz. vol. 187; p. 508.
- Remedy for constipation. R. E. Poindexter. No. 91,245; Apr. 22; Gaz. vol. 189; p. 1027.
- Remedy for constipation. The George H. Rundle Company. No. 91,802; May 27; Gaz. vol. 190; p. 1025.
- Remedy for constipation, a laxative, &c. Agar-lac, Inc. No. 90,083; Feb. 4; Gaz. vol. 187; p. 227.
- Remedy for constipation and headache. N. G. Burnham. No. 90,677; Mar. 18; Gaz. vol. 188; p. 803.
- Remedy for constipation and hemorrhoids. Glycerine Applicator Co. No. 93,985; Oct. 28; Gaz. vol. 195; p. 1046.
- Remedy for constipation and liver complaints. L. P. Johnston. No. 89,928; Jan. 21; Gaz. vol. 186; p. 793.
- Remedy for constipation and liver diseases and an eye-lotion. J. A. Harriss. No. 91,209; Apr. 22; Gaz. vol. 189; p. 1026.
- Remedy for constipation, biliousness, la grippe, &c. The Antikamnia Chemical Company. No. 91,933; June 10; Gaz. vol. 191; p. 581.
- Remedy for corns, warts, and callouses. R. W. B. Co. No. 94,396; Dec. 2; Gaz. vol. 197; p. 236.
- Remedy for coughs. J. B. Totten. No. 93,049; Aug. 12; Gaz. vol. 193; p. 506.
- Remedy for coughs. H. Morse. No. 93,285; Sept. 2; Gaz. vol. 194; p. 270.
- Remedy for coughs and colds. A. Taeschner. No. 90,258; Feb. 11; Gaz. vol. 187; p. 510.
- Remedy for coughs and colds. The Piso Company. No. 94,484; Dec. 9; Gaz. vol. 197; p. 529.
- Remedy for coughs, colds, and bronchitis. E. M. Furman. No. 91,195; Apr. 22; Gaz. vol. 189; p. 1026.
- Remedy for coughs, colds, and hoarseness. Dr. T. Meinelcke. No. 89,934; Jan. 21; Gaz. vol. 186; p. 794.
- Remedy for cramps, &c. Marshall Chemical Co. No. 91,497; May 6; Gaz. vol. 190; p. 260.
- Remedy for dandruff. J. L. Needham. No. 93,012; Aug. 12; Gaz. vol. 193; p. 505.
- Remedy for dandruff and scalp diseases. Eaton & Co. No. 92,198; June 24; Gaz. vol. 191; p. 1062.
- Remedy for diabetes and glycosuria. The Perron Laboratory. No. 90,575; Mar. 4; Gaz. vol. 188; p. 239.
- Remedy for diseases of animals and poultry. Live Stock Remedy Company. No. 92,807; July 29; Gaz. vol. 192; p. 1256.
- Remedy for diseases of certain named organs. G. A. Romans. No. 90,581; Mar. 4; Gaz. vol. 188; p. 239.
- Remedy for diseases of hogs. C. R. Williams. No. 93,140; Aug. 19; Gaz. vol. 193; p. 751.
- Remedy for diseases of horses. The Bradbury Equalizer Company. No. 94,350; Dec. 2; Gaz. vol. 197; p. 235.
- Remedy for diseases of the eyes. J. C. W. Powers. No. 91,246; Apr. 22; Gaz. vol. 189; p. 1028.
- Remedy for diseases of the genital organs. J. P. Werner. No. 91,730; May 20; Gaz. vol. 190; p. 790.
- Remedy for diseases of the liver and stomach. The E. E. Sutherland Medicine Co. No. 92,597; July 15; Gaz. vol. 192; p. 740.
- Remedy for diseases of the stomach, liver, kidneys, &c. J. E. Burk. No. 92,317; July 1; Gaz. vol. 192; p. 211.
- Remedy for disorders of the stomach. C. A. F. Kahlbaum. No. 89,929; Jan. 21; Gaz. vol. 186; p. 793.
- Remedy for dropsy. J. B. Green. No. 94,079; Nov. 4; Gaz. vol. 196; p. 270.
- Remedy for dysentery and all stomach trouble. A. M. Labauve. No. 94,005; Oct. 28; Gaz. vol. 195; p. 1046.
- Remedy for earache, chapped hands, and eczema. H. S. Lambdin. No. 94,559; Dec. 16; Gaz. vol. 197; p. 777.
- Remedy for eczema. F. E. Davis. No. 91,174; Apr. 22; Gaz. vol. 189; p. 1025.
- Remedy for eczema, &c. W. R. Smith. No. 91,262; Apr. 22; Gaz. vol. 189; p. 1028.
- Remedy for epilepsy. M. Berendsdorf. No. 89,906; Jan. 21; Gaz. vol. 186; p. 793.
- Remedy for erysipelas. A. W. Eidmann. No. 94,071; Nov. 4; Gaz. vol. 196; p. 269.
- Remedy for fistula, poll-evil, old sores, and swellings. The Fistupole Compounding Co. No. 94,438; Dec. 9; Gaz. vol. 197; p. 528.
- Remedy for furunculosis and acne. Chemische Fabrik Güstrow, Dr. Hillringhaus & Dr. Heil. No. 91,647; May 20; Gaz. vol. 190; p. 787.
- Remedy for gall-stones. C. Haefner. No. 93,633; Oct. 7; Gaz. vol. 195; p. 271.
- Remedy for gall-stones, malaria, &c. Standard Medicine Co. No. 90,252; Feb. 11; Gaz. vol. 187; p. 509.
- Remedy for genito-urinary diseases. Reese Chemical Company. No. 93,379; Sept. 9; Gaz. vol. 194; p. 546.
- Remedy for gonorrhea. A. Taeschner. No. 94,692; Dec. 23; Gaz. vol. 197; p. 994.
- Remedy for headache and neuralgia. The Yum Company. No. 94,042; Oct. 28; Gaz. vol. 195; p. 1047.
- Remedy for headache, hay-fever, &c. G. R. Brooks. No. 89,909; Jan. 21; Gaz. vol. 186; p. 793.
- Remedy for hemorrhoids. Gregoriou & Co. No. 90,881; Apr. 1; Gaz. vol. 189; p. 247.
- Remedy for hog-cholera. J. R. Sloan & D. N. Farmer. No. 92,590; July 15; Gaz. vol. 192; p. 739.
- Remedy for hog-cholera. A. J. Kueber. No. 93,277; Sept. 2; Gaz. vol. 194; p. 269.
- Remedy for indigestion. C. J. Hinton. No. 91,664; May 20; Gaz. vol. 190; p. 788.
- Remedy for ingrowing nails. R. Stewart, Jr. No. 91,716; May 20; Gaz. vol. 190; p. 789.
- Remedy for kidney troubles. H. S. Smith. No. 93,041; Aug. 12; Gaz. vol. 193; p. 506.
- Remedy for leucorrhea. D. H. Pettingell. No. 91,026; Apr. 8; Gaz. vol. 189; p. 519.
- Remedy for live stock. Tuscarawas Chemical Company. No. 94,407; Dec. 2; Gaz. vol. 197; p. 237.
- Remedy for malaria. Van Vleet-Mansfield Drug Co. No. 90,264; Feb. 11; Gaz. vol. 187; p. 510.
- Remedy for nervous diseases. Chemische Fabrik Güstrow, Dr. Hillringhaus & Dr. Heilmann. No. 90,967; Apr. 8; Gaz. vol. 189; p. 517.
- Remedy for piles, &c. H. E. Fowler. No. 90,878; Apr. 1; Gaz. vol. 189; p. 247.
- Remedy for piles. H. A. Hampolan. No. 93,352; Sept. 9; Gaz. vol. 194; p. 546.
- Remedy for piles. J. W. Walsh. No. 93,573; Sept. 23; Gaz. vol. 194; p. 948.
- Remedy for piles. Selip Manufacturing Company. No. 94,032; Oct. 28; Gaz. vol. 195; p. 1047.
- Remedy for piles. W. S. Johnson. No. 94,455; Dec. 9; Gaz. vol. 197; p. 528.
- Remedy for relief of digestive disorders. Smith, Kline & French Co. No. 90,250; Feb. 11; Gaz. vol. 187; p. 509.
- Remedy for rheumatic affections. Parke, Davis & Co. No. 92,115; June 17; Gaz. vol. 191; p. 827.
- Remedy for rheumatism. P. M. Garcia. No. 89,743; Jan. 7; Gaz. vol. 186; p. 285.
- Remedy for rheumatism. M. E. Butt. No. 90,964; Apr. 8; Gaz. vol. 189; p. 517.
- Remedy for rheumatism. A. Simonara. No. 91,428; Apr. 29; Gaz. vol. 189; p. 1278.
- Remedy for rheumatism. C. J. Brown. No. 91,942; June 10; Gaz. vol. 191; p. 581.
- Remedy for rheumatism. E. Scow. No. 92,003; June 10; Gaz. vol. 191; p. 583.
- Remedy for rheumatism. J. J. Pater. No. 93,019; Aug. 12; Gaz. vol. 193; p. 505.
- Remedy for rheumatism. T. Flynn. No. 93,237; Aug. 26; Gaz. vol. 193; p. 1013.
- Remedy for rheumatism and colds. The Turkene Medical Company. No. 93,136; Aug. 19; Gaz. vol. 193; p. 751.
- Remedy for rheumatism and kidney ailments. P. E. Sandlie. No. 93,380; Sept. 9; Gaz. vol. 194; p. 546.
- Remedy for rheumatism and lumbago. D. & J. Wilkie. No. 91,284; Apr. 22; Gaz. vol. 189; p. 1029.
- Remedy for rheumatism and neuralgia. Dr. J. H. Spencer. No. 92,837; July 29; Gaz. vol. 192; p. 1257.

Alphabetical list of trade-marks—Continued.

- Remedy for rheumatism, gout, uric acid, and neuralgia. A. C. Drew. No. 91,953; June 10; Gaz. vol. 191; p. 581.
- Remedy for running of the nose. K. Herschel. No. 92,983; Aug. 12; Gaz. vol. 193; p. 504.
- Remedy for scalp and skin diseases. E. L. Reynolds. No. 93,204; Aug. 26; Gaz. vol. 193; p. 1012.
- Remedy for scleriosis. G. Ménard. No. 91,679; May 20; Gaz. vol. 190; p. 788.
- Remedy for skin diseases. W. A. Wilkins. No. 92,610; July 15; Gaz. vol. 192; p. 740.
- Remedy for skin diseases. L. O'Brien. No. 94,317; Nov. 25; Gaz. vol. 196; p. 1048.
- Remedy for sores and bruises on horses, mules, and cattle. H. G. Swink. No. 90,257; Feb. 11; Gaz. vol. 187; p. 510.
- Remedy for stomach and bowel disorders. Po-esh-i-ko Company. No. 94,562; Dec. 16; Gaz. vol. 197; p. 778.
- Remedy for stomachic disorders. J. H. Zimmerman. No. 91,637; May 20; Gaz. vol. 190; p. 787.
- Remedy for sunburn, scalds, and burns. J. Paladino. No. 91,024; Apr. 8; Gaz. vol. 189; p. 519.
- Remedy for syphilis, rheumatism, eczema, &c. Wampine Medicine Company. No. 94,040; Oct. 28; Gaz. vol. 195; p. 1047.
- Remedy for the smoking habit. Smoke-No-More Co. No. 91,810; May 27; Gaz. vol. 190; p. 1025.
- Remedy for the treatment of Bright's disease and diabetes. C. Haefner. No. 93,716; Oct. 14; Gaz. vol. 195; p. 535.
- Remedy for the treatment of certain named skin diseases. D. A. Rossomano. No. 90,582; Mar. 4; Gaz. vol. 188; p. 239.
- Remedy for throat and pulmonary diseases. Stanley Remedy Company. No. 91,713; May 20; Gaz. vol. 190; p. 789.
- Remedy for thrush or hoof-rot. C. Maichler. No. 91,225; Apr. 22; Gaz. vol. 189; p. 1027.
- Remedy for tuberculosis. G. A. Krauss. No. 90,547; Mar. 4; Gaz. vol. 188; p. 238.
- Remedy for tuberculosis, scrofulous diseases, and lupus. E. P. Dieseldorff. No. 89,914; Jan. 21; Gaz. vol. 186; p. 795.
- Remedy for urethritis. F. D. La Favar. No. 91,883; June 3; Gaz. vol. 191; p. 288.
- Remedy for venereal diseases. Albany Chemical Co. No. 94,539; Dec. 9; Gaz. vol. 197; p. 777.
- Remedy for womb diseases. Professor Dr. v. Poehl & Söhne (St. Petersburg) Abt. Deutschland. No. 91,244; Apr. 22; Gaz. vol. 189; p. 1027.
- Remedy, Headache. G. H. Birkhead. No. 90,089; Feb. 4; Gaz. vol. 187; p. 227.
- Remedy, Headache. Fyso-Bromo Drug Company. No. 90,696; Mar. 18; Gaz. vol. 188; p. 803.
- Remedy, Hog-cholera. Willis Bros. No. 92,753; July 22; Gaz. vol. 192; p. 987.
- Remedy, Liquor. White Cross Anti-Liquor Society. No. 91,731; May 20; Gaz. vol. 190; p. 790.
- Remedy, Liver. A. R. Hutchens. No. 90,707; Mar. 18; Gaz. vol. 188; p. 804.
- Remedy, Liver and stomach. G. G. Crouch. No. 93,164; Aug. 26; Gaz. vol. 193; p. 1011.
- Remedy, Malarial. J. J. Moss. No. 89,763; Jan. 7; Gaz. vol. 186; p. 286.
- Remedy, Pile. Pyramid Drug Co. No. 90,739; Mar. 18; Gaz. vol. 188; p. 805.
- Remedy, Skin. S. C. Aus. No. 91,934; June 10; Gaz. vol. 191; p. 581.
- Remedy, Skin-disease. The Campho-Sorcin Laboratory. No. 90,629; Mar. 11; Gaz. vol. 188; p. 509.
- Remedy to reduce fat. G. J. Hurwitt. No. 92,674; July 22; Gaz. vol. 192; p. 984.
- Remedy, Veterinary. Stonecypher Horse & Cattle Tonic Co. No. 91,265; Apr. 22; Gaz. vol. 189; p. 1028.
- Respirative. R. M. Scott. No. 91,260; Apr. 22; Gaz. vol. 189; p. 1028.
- Respiratory apparatus and devices for administering oxygen, Mechanical. Drägerwerk, Heintz & Bernh. Dräger. No. 94,620; Dec. 23; Gaz. vol. 197; p. 992.
- Revolvers, pistols, rifles, guns, and ammunition. Smith & Wesson. Nos. 93,766-7; Oct. 14; Gaz. vol. 195; p. 536.
- Rheumatic powder, liniment, and constipation-tablets. E. A. Spiers. No. 94,794; Dec. 30; Gaz. vol. 197; p. 1289.
- Ribbon. L. S. Ayres and Company. No. 93,666; Oct. 14; Gaz. vol. 195; p. 533.
- Ribbons. Miesch Manufacturing Company. No. 90,455; Feb. 25; Gaz. vol. 187; p. 1112.
- Rice. B. Fischer & Co. No. 89,834; Jan. 14; Gaz. vol. 186; p. 552.
- Rice. B. Fischer & Company. No. 91,335; Apr. 29; Gaz. vol. 189; p. 1276.
- Rice. Beaumont Rice Mills. No. 92,390; July 8; Gaz. vol. 192; p. 511.
- Rice. Beaumont Rice Mills. No. 92,509; July 15; Gaz. vol. 192; p. 731.
- Rice. The Ouerbacker Coffee Co. No. 93,015; Aug. 12; Gaz. vol. 193; p. 505.
- Rice and blended coffee. Young-Mahood Company. No. 92,858; July 29; Gaz. vol. 192; p. 1258.
- Rice, Hulled. M. Phillips & Co. No. 90,576; Mar. 4; Gaz. vol. 188; p. 239.
- Rifles. A. Saurer. No. 92,267; June 24; Gaz. vol. 191; p. 1061.
- Rifles, shotguns, caps, cartridges, &c. M. H. Dodge. No. 90,305; Feb. 18; Gaz. vol. 187; p. 823.
- Rings. Empire State Ring Company. No. 92,760; July 29; Gaz. vol. 192; p. 1255.
- Rings, pins, cuff-buttons, brooches, &c. Elliott Jewelry Co. No. 90,522; Mar. 4; Gaz. vol. 188; p. 238.
- Rock-drilling machines. Diamond Expansion Bolt Co. No. 91,467; May 6; Gaz. vol. 190; p. 260.
- Rodent and vermin exterminator. Mouse-o-Cide Chemical Company. No. 93,372; Sept. 9; Gaz. vol. 194; p. 546.
- Rompers, Children's. Harris-Lipsitz Co. No. 90,885; Apr. 1; Gaz. vol. 189; p. 247.
- Roofing and siding, Corrugated-iron. The Andrew Greis Company. No. 91,767; May 27; Gaz. vol. 190; p. 1024.
- Roofing material, Sanded. F. T. Crowe & Company. No. 92,406; July 8; Gaz. vol. 192; p. 511.
- Roofing-plates and steel sheets, Certain named. Merchant and Evans Co. No. 89,935; Jan. 21; Gaz. vol. 186; p. 794.
- Roofing-plates, Artificial-stone. F. Komnick. No. 89,856; Jan. 14; Gaz. vol. 186; p. 553.
- Roofing, Prepared. Barrett Manufacturing Company. No. 93,325; Sept. 9; Gaz. vol. 194; p. 545.
- Roofing, roofing, insulating, and building paper, Composition. Usona Manufacturing Company. No. 91,273; Apr. 22; Gaz. vol. 189; p. 1028.
- Roofing-sheets, Composition. Kenova Lumber & Supply Company. No. 91,972; June 10; Gaz. vol. 191; p. 582.
- Roofing, Tarred-felt. Barrett Manufacturing Company. No. 91,547; May 13; Gaz. vol. 190; p. 543.
- Roofing, tarred felts, and building-papers, Asphalt. General Roofing Manufacturing Co. No. 94,368; Dec. 2; Gaz. vol. 197; p. 235.
- Roofing tinued-iron sheets. J. Meurer. No. 90,361; Feb. 18; Gaz. vol. 187; p. 825.
- Roofings, Asphalt. The Park & Pollard Company. No. 93,017; Aug. 12; Gaz. vol. 193; p. 505.
- Roofings, Prepared. Barrett Manufacturing Company. No. 92,167; June 24; Gaz. vol. 191; p. 1061.
- Rope. American Manufacturing Company. No. 93,319; Sept. 9; Gaz. vol. 194; p. 545.
- Rope and twine. Plymouth Cordage Company. No. 92,577; July 15; Gaz. vol. 192; p. 739.
- Ropes, Wire. William Cooke & Co. No. 93,340; Sept. 9; Gaz. vol. 194; p. 545.
- Roup cure for poultry. Troy Chemical Co. No. 94,795; Dec. 30; Gaz. vol. 197; p. 1289.
- Rubber. S. C. Beck. No. 93,489; Sept. 16; Gaz. vol. 194; p. 741.
- Rubber and fabric packing. C. A. Daniel. No. 89,821; Jan. 14; Gaz. vol. 186; p. 552.
- Rubber and gum. Venezuela Trading Co. No. 94,775; Dec. 30; Gaz. vol. 197; p. 1289.
- Rubber automobile accessories. Voorhees Rubber Manufacturing Company. No. 91,277; Apr. 22; Gaz. vol. 189; p. 1028.
- Rubber bands. Tower Manufacturing & Novelty Co. No. 94,226; Nov. 11; Gaz. vol. 196; p. 523.
- Rubber bathing-caps. Parker, Stearns & Company. No. 90,833; Mar. 25; Gaz. vol. 188; p. 1048.
- Rubber battery-jars. The B. F. Goodrich Company. No. 94,075; Nov. 4; Gaz. vol. 196; p. 270.
- Rubber belting and valves and cotton rubber hose. The Diamond Rubber Company. No. 89,824; Jan. 14; Gaz. vol. 186; p. 552.
- Rubber belting and valves and cotton rubber hose. The Diamond Rubber Company. Nos. 89,829-30; Jan. 14; Gaz. vol. 186; p. 552.
- Rubber boots and shoes. Boston Rubber Shoe Company. No. 90,865; Apr. 1; Gaz. vol. 189; p. 247.
- Rubber boots and shoes. Mishawaka Woolen Manufacturing Co. No. 91,362; Apr. 29; Gaz. vol. 189; p. 1276.
- Rubber boots and shoes. National India Rubber Company. No. 91,505; May 6; Gaz. vol. 190; p. 261.
- Rubber boots, shoes, and rubber-soled shoes. National India Rubber Company. No. 89,870; Jan. 14; Gaz. vol. 186; p. 553.
- Rubber boots, shoes, overshoes, &c. Hood Rubber Company. No. 91,345; Apr. 29; Gaz. vol. 189; p. 1276.
- Rubber boots, shoes, overshoes, &c. The Beacon Falls Rubber Shoe Company. No. 91,837; June 3; Gaz. vol. 191; p. 287.
- Rubber boots, shoes, overshoes, &c. Hood Rubber Company. No. 91,874; June 3; Gaz. vol. 191; p. 288.
- Rubber boots, shoes, overshoes, &c. Hood Rubber Company. No. 91,962; June 10; Gaz. vol. 191; p. 582.
- Rubber boots, shoes, overshoes, &c. Hood Rubber Co. No. 93,853; Oct. 21; Gaz. vol. 195; p. 812.
- Rubber cement and rubber-tire dough. The Miller Rubber Company. No. 89,762; Jan. 7; Gaz. vol. 186; p. 286.
- Rubber, Certain named clothing made of. Mystic Rubber Company. No. 94,477; Dec. 9; Gaz. vol. 197; p. 529.
- Rubber coats. Boston Rubber Company. No. 93,815; Oct. 21; Gaz. vol. 195; p. 811.
- Rubber combs. Vulcanized Rubber Co. No. 89,782; Jan. 7; Gaz. vol. 186; p. 286.
- Rubber combs. Hanover Vulcanite Co. No. 92,422; July 8; Gaz. vol. 192; p. 512.

Alphabetical list of trade-marks—Continued.

- Rubber combs. Hanover Vulcanite Co. No. 94,081; Nov. 4; Gaz. vol. 196; p. 270.
- Rubber compound, Synthetic. I. W. Hoyer. No. 90,642; Mar. 11; Gaz. vol. 188; p. 509.
- Rubber, Dental. Traun Rubber Company. No. 92,741; July 22; Gaz. vol. 192; p. 986.
- Rubber, Dental. P. A. Gould. No. 94,078; Nov. 4; Gaz. vol. 196; p. 270.
- Rubber erasers. "Semperit" Oesterreichisch-Amerikanische Gummiwerke Aktiengesellschaft. No. 92,913; Aug. 5; Gaz. vol. 193; p. 216.
- Rubber erasers and bands. Kabus Rubber Company. No. 90,217; Feb. 11; Gaz. vol. 187; p. 508.
- Rubber gland-packing. The Manhattan Rubber Mfg. Co. No. 92,438; July 8; Gaz. vol. 192; p. 512.
- Rubber gloves. The Reality Rubber Company. No. 92,827; July 29; Gaz. vol. 192; p. 1257.
- Rubber goods for plumbers' use. The H. O. Canfield Company. No. 92,396; July 8; Gaz. vol. 192; p. 511.
- Rubber goods, Mechanical. The Gutta Percha & Rubber Mfg. Co. No. 91,338; Apr. 29; Gaz. vol. 189; p. 1276.
- Rubber goods, Pharmaceutical. Whitall Tatum Company. No. 93,315; Sept. 2; Gaz. vol. 194; p. 271.
- Rubber heels. Converse Rubber Shoe Co. No. 92,405; July 8; Gaz. vol. 192; p. 511.
- Rubber hose. The B. F. Goodrich Company. No. 90,692; Mar. 18; Gaz. vol. 188; p. 803.
- Rubber hose, packing, and valves. Girtten-Meyers Supply Co. No. 92,888; Aug. 5; Gaz. vol. 193; p. 215.
- Rubber mats. The Mechanical Rubber Co. No. 92,698; July 22; Gaz. vol. 192; p. 985.
- Rubber matting and rubber in the piece. Revere Rubber Company. No. 93,496; Sept. 16; Gaz. vol. 194; p. 741.
- Rubber pipe-coupling rings, piston-packing, &c. The Manhattan Rubber Mfg. Co. No. 94,099; Nov. 4; Gaz. vol. 196; p. 270.
- Rubber products, Preservation of. J. M. Munyon, Jr. No. 94,530; Dec. 9; Gaz. vol. 197; p. 530.
- Rubber sheeting. Mystic Rubber Company. No. 93,194; Aug. 26; Gaz. vol. 193; p. 1012.
- Rubber tubing. The Mechanical Rubber Co. No. 92,700; July 22; Gaz. vol. 192; p. 985.
- Rubber tubing, hose, belting, and machinery packing. J. W. Buckley Rubber Co. No. 93,818; Oct. 21; Gaz. vol. 195; p. 811.
- Rubber water-bottles and syringes. The Mechanical Rubber Co. No. 92,699; July 22; Gaz. vol. 192; p. 985.
- Ruche-supporters. Joseph W. Schloss Co. No. 93,759; Oct. 14; Gaz. vol. 195; p. 536.
- Rugs, carpets, and matting, Textile. D. H. Coplon & Co. No. 94,716; Dec. 30; Gaz. vol. 197; p. 1287.
- Rugs, Textile. Sidney Blumenthal & Co. No. 90,504; Mar. 4; Gaz. vol. 188; p. 237.
- Rugs, Textile. Beattie Manufacturing Company. No. 92,035; June 17; Gaz. vol. 191; p. 825.
- Rugs, Textile. McCleary, Wallin & Crouse. No. 92,102; June 17; Gaz. vol. 191; p. 827.
- Rugs, Textile. T. P. Burke. No. 93,071; Aug. 19; Gaz. vol. 193; p. 749.
- Rugs, Textile and art. W. Henderson & Company. No. 90,536; Mar. 4; Gaz. vol. 188; p. 238.
- Rules, Slide. Keuffel & Esser Company. No. 93,448; Sept. 16; Gaz. vol. 194; p. 740.
- Sachet, cleansing-cream, and toilet powder. Arthur Chemical Co. No. 90,620; Mar. 11; Gaz. vol. 188; p. 509.
- Sachet scent and perfume. H. Mack. No. 91,677; May 20; Gaz. vol. 190; p. 788.
- Sad and flat irons. Colebrookdale Iron Company. No. 90,170; Feb. 11; Gaz. vol. 187; p. 504.
- Sad and flat irons. Colebrookdale Iron Company. No. 90,292; Feb. 18; Gaz. vol. 187; p. 823.
- Sad-iron-waxing pads. Jaeger's Asbestos Flat Iron Waxed Co. No. 92,895; Aug. 5; Gaz. vol. 193; p. 216.
- Sad-irons, tailors' and pressing irons. Illinois Iron & Bolt Co. No. 94,085; Nov. 4; Gaz. vol. 196; p. 270.
- Safes. Art Metal Construction Co. No. 94,049; Nov. 4; Gaz. vol. 196; p. 269.
- Safety-deposit boxes. Art Metal Construction Co. No. 93,953; Oct. 28; Gaz. vol. 195; p. 1045.
- Sake, Japanese. Hon Kano Shoten. No. 89,752; Jan. 7; Gaz. vol. 186; p. 285.
- Sake, Japanese. Hon Kano Shoten. No. 90,333; Feb. 18; Gaz. vol. 187; p. 824.
- Salad-dressing. J. Rossetti. No. 90,744; Mar. 18; Gaz. vol. 188; p. 805.
- Salad-dressing. E. L. Norrie. No. 93,457; Sept. 16; Gaz. vol. 194; p. 740.
- Salt. Inland Crystal Salt Co. No. 90,215; Feb. 11; Gaz. vol. 187; p. 508.
- Salt. Charles Moore & Co. Nos. 90,230-1; Feb. 11; Gaz. vol. 187; p. 509.
- Salt. Inland Crystal Salt Co. No. 92,081; June 17; Gaz. vol. 191; p. 826.
- Salt. The Dolan Mercantile Company. No. 92,652; July 22; Gaz. vol. 192; p. 984.
- Salt. The Carey Salt Company. No. 92,948; Aug. 12; Gaz. vol. 193; p. 503.
- Salt. San Francisco Salt Refinery. No. 93,469; Sept. 16; Gaz. vol. 194; p. 740.
- Salt. The Lyons Salt Co. No. 94,010; Oct. 28; Gaz. vol. 195; p. 1046.
- Salt, calcium chlorid, and bromin. J. O. Dickinson. No. 93,594; Sept. 30; Gaz. vol. 194; p. 1137.
- Salt, Effervescent. The Jads Salts Company. No. 92,989; Aug. 12; Gaz. vol. 193; p. 504.
- Salt in powdered form, Onion. The National Onion Salt Company. Nos. 93,891-2; Oct. 21; Gaz. vol. 195; p. 813.
- Salt, starch, soda, and bluing. Stone-Ordean-Wells Company. No. 93,045; Aug. 12; Gaz. vol. 193; p. 506.
- Salts, Bath-. Sel Amlaissant Clarks Corporation. No. 91,706; May 20; Gaz. vol. 190; p. 789.
- Salts, face-rouge, complexion powder and cream. Smelling-. New York & Boston Drug Company. No. 94,104; Nov. 4; Gaz. vol. 196; p. 270.
- Salve. M. Mészáros. No. 89,761; Jan. 7; Gaz. vol. 186; p. 286.
- Salve. Redding & Co. Nos. 89,771-3; Jan. 7; Gaz. vol. 186; p. 286.
- Salve. J. A. Bonk. No. 90,157; Feb. 11; Gaz. vol. 187; p. 507.
- Salve. N. Stenger & Co. No. 91,264; Apr. 22; Gaz. vol. 189; p. 1028.
- Salve. The Antikamnia Chemical Company. No. 91,408; Apr. 29; Gaz. vol. 189; p. 1278.
- Salve. F. R. Riehl. No. 92,579; July 15; Gaz. vol. 192; p. 739.
- Salve. V. St. Jean. No. 93,477; Sept. 16; Gaz. vol. 194; p. 741.
- Salve. Tricur Salve Co. No. 93,479; Sept. 16; Gaz. vol. 194; p. 741.
- Salve. Hamilton & Haile. No. 93,989; Oct. 28; Gaz. vol. 195; p. 1046.
- Salve. Goose Grease Co. No. 94,441; Dec. 9; Gaz. vol. 197; p. 528.
- Salve. J. T. Riley. No. 94,668; Dec. 23; Gaz. vol. 197; p. 994.
- Salve. R. Annuzzi. No. 94,781; Dec. 30; Gaz. vol. 197; p. 1289.
- Salve, Corn-. W. T. Hanson Co. No. 90,700; Mar. 18; Gaz. vol. 188; p. 804.
- Salve, face-cream, laxative tablets, bitter tonic, &c. W. Jordan. No. 93,636; Oct. 7; Gaz. vol. 195; p. 271.
- Salve, Foot-. F. Mitchell. No. 92,355; July 1; Gaz. vol. 192; p. 212.
- Salve, Foot-. H. H. Mayer. No. 94,012; Oct. 28; Gaz. vol. 195; p. 1046.
- Salve for inflammations or congestions. Trimbleine Company. No. 94,695; Dec. 23; Gaz. vol. 197; p. 994.
- Salve, Healing-. O. H. Kutzner. No. 94,646; Dec. 23; Gaz. vol. 197; p. 993.
- Salve, liver-pills, and remedy for ague. A. H. Vordick. No. 94,338; Nov. 25; Gaz. vol. 196; p. 1049.
- Salve, ointment, liniment, &c. H. C. Blair. No. 90,674; Mar. 18; Gaz. vol. 188; p. 803.
- Salves. B. Norsigian. No. 90,129; Feb. 4; Gaz. vol. 187; p. 228.
- Salves. H. C. Ratcliff. No. 90,242; Feb. 11; Gaz. vol. 187; p. 509.
- Salves. A. A. Laubenheimer. No. 90,712; Mar. 18; Gaz. vol. 188; p. 804.
- Salves. Dr. Bayer és társa. No. 90,954; Apr. 8; Gaz. vol. 189; p. 517.
- Salves. Dr. Bayer és Társa. No. 92,621; July 22; Gaz. vol. 192; p. 983.
- Salves. Dr. Bayer és Társa. No. 92,623; July 22; Gaz. vol. 192; p. 983.
- Salves. Furst Salve Co. No. 93,632; Oct. 7; Gaz. vol. 195; p. 271.
- Salves and blood-purifiers. J. P. Allen Medicine Co. No. 91,631; May 20; Gaz. vol. 190; p. 787.
- Salves and cough-drops. F. W. Israel. No. 94,381; Dec. 2; Gaz. vol. 197; p. 236.
- Salves and ointments. Haarer & Sons. No. 94,446; Dec. 9; Gaz. vol. 197; p. 528.
- Sample cases and bags. Knickerbocker Case Company. No. 91,354; Apr. 29; Gaz. vol. 189; p. 1276.
- Sandpapers, garnet-papers, and emery papers and cloths. American Glue Company. No. 94,709; Dec. 30; Gaz. vol. 197; p. 1287.
- Sardines. Seacoast Canning Co. No. 91,807; May 27; Gaz. vol. 190; p. 1025.
- Sardines, herrings, and mackerel. A/S Sardinfabrikken Norrig. No. 90,059; Jan. 28; Gaz. vol. 186; p. 983.
- Sash-holders. H. C. De Geer. No. 91,327; Apr. 29; Gaz. vol. 189; p. 1275.
- Satchels, Hand-. Weingarten & Geberer. No. 89,785; Jan. 7; Gaz. vol. 186; p. 286.
- Satin crape silk piece goods. Duplan Silk Co. No. 89,741; Jan. 7; Gaz. vol. 186; p. 285.
- Satin, silk, and silk and cotton piece goods. S. Elseman & Co. No. 94,517; Dec. 9; Gaz. vol. 197; p. 530.
- Sauce and pickles. The Midland Vinegar Company. No. 90,229; Feb. 11; Gaz. vol. 187; p. 509.
- Sauce and pickles. The Midland Vinegar Company. No. 91,004; Apr. 8; Gaz. vol. 189; p. 518.
- Sauce, Table. E. De Groff. No. 89,998; Jan. 28; Gaz. vol. 186; p. 981.

- Sauce, Table. Raimes & Co. No. 90,921; Apr. 1; Gaz. vol. 189; p. 248.
- Sauces. Goodall Backhouse & Co. No. 92,667; July 22; Gaz. vol. 192; p. 984.
- Sausage. L. Frank & Son Company. No. 90,525; Mar. 4; Gaz. vol. 188; p. 238.
- Sausage. W. E. Miller. No. 91,785; May 27; Gaz. vol. 190; p. 1024.
- Sausage. A. Göbel. No. 92,064; June 17; Gaz. vol. 191; p. 826.
- Sausage, Binder used as an ingredient for pork. H. Ehrlich & Sons Mfg. Co. No. 90,177; Feb. 11; Gaz. vol. 187; p. 507.
- Saws. A. Reittlinger. No. 90,741; Mar. 18; Gaz. vol. 188; p. 805.
- Saws. The National Saw Company. No. 93,108; Aug. 19; Gaz. vol. 193; p. 750.
- Saws. E. C. Atkins & Co. No. 93,149; Aug. 26; Gaz. vol. 193; p. 1011.
- Saws. Henry Disston & Sons. No. 94,719; Dec. 30; Gaz. vol. 197; p. 1287.
- Saws, cone and corn knives, and trowels. E. C. Atkins & Company. No. 94,152; Nov. 11; Gaz. vol. 196; p. 521.
- Saws for gold and silver smiths, Fret. F. Bonfigt. No. 93,158; Aug. 26; Gaz. vol. 193; p. 1011.
- Scales. Morley Brothers. No. 90,125; Feb. 4; Gaz. vol. 187; p. 228.
- Scales. The Avery Scale Company. No. 93,808; Oct. 21; Gaz. vol. 195; p. 811.
- Scales, Computing. Toledo Scale Company. No. 93,618; Sept. 30; Gaz. vol. 194; p. 1138.
- Scalp disorders, Treatment of. The To-Kalon Manufacturing Company. No. 91,819; May 27; Gaz. vol. 190; p. 1025.
- Scalp- tonic. M. J. Stebbins. No. 91,715; May 20; Gaz. vol. 190; p. 789.
- Scalp-tonics. J. T. Warner. No. 91,726; May 20; Gaz. vol. 190; p. 790.
- Scarfs and shawls, Shoulder-. Rice-Stix Dry Goods Company. No. 94,486; Dec. 9; Gaz. vol. 197; p. 529.
- Scarfs, table-covers, pennants, pillow-covers, &c. S. Mortenson & Co. No. 91,789; May 27; Gaz. vol. 190; p. 1024.
- Scientific appliances, Certain. C. Delac. No. 91,466; May 6; Gaz. vol. 190; p. 259.
- Scientific appliances, Certain named. American Optical Company. No. 89,795; Jan. 14; Gaz. vol. 186; p. 551.
- Scientific appliances, Certain named. Victor Animatograph Company. No. 91,722; May 20; Gaz. vol. 190; p. 790.
- Scissors, pocket-knives, and razors. Stern & Schasseur. No. 90,846; Mar. 25; Gaz. vol. 188; p. 1049.
- Scorifiers, muffles, and certain named furnaces and burners. The Mine and Smelter Supply Co. No. 94,472; Dec. 9; Gaz. vol. 197; p. 529.
- Scouring, cleaning, and polishing compound. The Reynolds Corporation. No. 93,610; Sept. 30; Gaz. vol. 194; p. 1137.
- Scouring-powder. The New Spar Products Company. No. 92,111; June 17; Gaz. vol. 191; p. 827.
- Screen wire-cloth. American Wire Fabrics Company. No. 93,658; Oct. 14; Gaz. vol. 195; p. 533.
- Screw-machines, Metal-working, &c. National-Acme Manufacturing Company. No. 94,478; Dec. 9; Gaz. vol. 197; p. 529.
- Screws. Mac-It Parts Company. No. 91,886; June 3; Gaz. vol. 191; p. 288.
- Sealing and stamping machines and sealing-machines, Combined. Mailometer Company. No. 93,103; Aug. 19; Gaz. vol. 193; p. 750.
- Sealing machines, Envelop-. D. G. Saunders, Jr. No. 91,805; May 27; Gaz. vol. 190; p. 1025.
- Seats. F. J. Morgan. No. 91,007; Apr. 8; Gaz. vol. 189; p. 519.
- Sedlitz-powders. The Lemon Sedlitz Company. No. 92,239; June 24; Gaz. vol. 191; p. 1063.
- Seed, Cotton-. H. H. Summerour. No. 90,255; Feb. 11; Gaz. vol. 187; p. 510.
- Seeds. Danske Landboforeningers Frøforsyning. No. 91,857; June 3; Gaz. vol. 191; p. 288.
- Seeds. Geo. Tait & Sons. No. 92,011; June 10; Gaz. vol. 191; p. 583.
- Seeds. A. E. Shultz. No. 93,930; Oct. 21; Gaz. vol. 195; p. 815.
- Seeds and bulbs. Weeber & Don. No. 94,778; Dec. 30; Gaz. vol. 197; p. 1289.
- Seeds and seed-grains. The Albert Dickinson Company. No. 90,974; Apr. 8; Gaz. vol. 189; p. 518.
- Seeds, Clover, alsike, alfalfa, and timothy. S. W. Flower & Company. No. 91,472; May 6; Gaz. vol. 190; p. 260.
- Seeds, Clover, timothy, alfalfa, and alsike. Caughey & Carran Co. No. 92,873; Aug. 5; Gaz. vol. 193; p. 215.
- Seeds, Field-. J. G. Peppard Seed Co. No. 90,374; Feb. 18; Gaz. vol. 187; p. 826.
- Seeds, Field and grass. H. W. Gordinier and Sons Co. No. 91,571; May 13; Gaz. vol. 190; p. 544.
- Seeds, Flower, vegetable, and cereal. Dakota Improved Seed Company. No. 92,323; July 1; Gaz. vol. 192; p. 211.
- Semaphore apparatus. Chicago Railway Signal and Supply Company. Nos. 92,951-2; Aug. 12; Gaz. vol. 193; p. 503.
- Serum for boils, &c. Nitritfabrik Aktiengesellschaft. No. 91,685; May 20; Gaz. vol. 190; p. 788.
- Serum for the treatment of cancer. F. W. Kohlmyer. No. 93,538; Sept. 23; Gaz. vol. 194; p. 947.
- Sewing-cotton. S. Manlove & Sons. Nos. 93,001-2; Aug. 12; Gaz. vol. 193; p. 505.
- Sewing-machine needles. The Singer Manufacturing Company. No. 91,518; May 6; Gaz. vol. 190; p. 261.
- Sewing-machine needles. The Singer Manufacturing Company. No. 91,611; May 13; Gaz. vol. 190; p. 545.
- Sewing-machine needles. The Singer Manufacturing Company. No. 93,128; Aug. 19; Gaz. vol. 193; p. 751.
- Sewing-machines. A. Letts. No. 90,901; Apr. 1; Gaz. vol. 189; p. 248.
- Sewing-machines and attachments. Perry Mason Company. No. 90,914; Apr. 1; Gaz. vol. 189; p. 248.
- Sewing-machines and parts thereof and attachments therefor. The Singer Manufacturing Company. Nos. 93,126-7; Aug. 19; Gaz. vol. 193; p. 751.
- Sewing-machines, parts, and attachments. K. Dietrich. No. 90,302; Feb. 18; Gaz. vol. 187; p. 823.
- Sewing-machines, their parts and attachments. The Singer Manufacturing Company. Nos. 91,910-11; June 3; Gaz. vol. 191; p. 289.
- Shade-cloth, carpets, and rugs. Palruba Manufacturing Company. No. 91,995; June 10; Gaz. vol. 191; p. 583.
- Shade-rollers. American Shade Roller Co. No. 91,151; Apr. 22; Gaz. vol. 189; p. 1025.
- Shaft couplings, Machine-. F. H. Cathcart. No. 93,072; Aug. 19; Gaz. vol. 193; p. 749.
- Shafts and machine-plates. Fried. Krupp Aktiengesellschaft. No. 92,973; Aug. 12; Gaz. vol. 193; p. 504.
- Shampoo-paste and a remedy for diseases of the scalp and hair. United Drug Company. No. 93,250; Aug. 26; Gaz. vol. 193; p. 1014.
- Shampoo preparation. Barbers United Syndicate. No. 91,635; May 20; Gaz. vol. 190; p. 787.
- Shampoo preparation. W. Lichtermann. No. 92,691; July 22; Gaz. vol. 192; p. 985.
- Shampoo preparation. G. Graham. No. 93,272; Sept. 2; Gaz. vol. 194; p. 269.
- Shampoo preparation, Dry-. A. M. Wiseman. No. 93,789; Oct. 14; Gaz. vol. 195; p. 537.
- Shampoo preparation, Mange. V. G. Dupont. No. 92,655; July 22; Gaz. vol. 192; p. 984.
- Shampoo preparations, perfumes, sachets, and toilet waters. J. Macdonald. No. 94,462; Dec. 9; Gaz. vol. 197; p. 528.
- Shampooing preparation. A. J. Landry. No. 93,242; Aug. 26; Gaz. vol. 193; p. 1014.
- Shaving-cups. Isser Bros. & Kaufman. No. 90,119; Feb. 4; Gaz. vol. 187; p. 228.
- Shears. The Acme Shear Company. No. 92,775; July 29; Gaz. vol. 192; p. 1255.
- Shears and scissors. Clayton Bros. No. 91,285; Apr. 22; Gaz. vol. 189; p. 1029.
- Shears and scissors. The Acme Shear Company. No. 92,774; July 29; Gaz. vol. 192; p. 1255.
- Sheathing and roofing felt. Warren Chemical & Manufacturing Company. No. 92,490; July 8; Gaz. vol. 192; p. 514.
- Sheeting, sheets, pillow-cases, &c. Defender Manufacturing Co. No. 90,871; Apr. 1; Gaz. vol. 189; p. 247.
- Sheets, pillow-cases, rugs, &c. William Hollins & Company. No. 93,355; Sept. 9; Gaz. vol. 194; p. 546.
- Sheets, pillow-cases, rugs, &c. William Hollins & Company. No. 93,723; Oct. 14; Gaz. vol. 195; p. 535.
- Shellac, Adhesive. C. Benoit. No. 93,418; Sept. 16; Gaz. vol. 194; p. 739.
- Shellac gum. Berry Brothers. No. 92,866; Aug. 5; Gaz. vol. 193; p. 215.
- Shellac, Prepared. Angelo Brothers. No. 94,150; Nov. 11; Gaz. vol. 196; p. 521.
- Shingles. The Redwood Shingle Association. Nos. 91,375-6; Apr. 29; Gaz. vol. 189; p. 1277.
- Shingles. Rose City Lumber and Shingle Company. No. 92,831; July 29; Gaz. vol. 192; p. 1257.
- Shingles, Asphalt. The American Roofing Co. No. 93,060; Aug. 19; Gaz. vol. 193; p. 749.
- Shingles, lumber, and lath. Hoquiam Lumber & Shingle Company. No. 93,532; Sept. 23; Gaz. vol. 194; p. 947.
- Shingles, Metal. Penn Metal Company. No. 90,571; Mar. 4; Gaz. vol. 188; p. 239.
- Shipping-cases. The Reynolds Container Box Company. No. 91,252; Apr. 22; Gaz. vol. 189; p. 1028.
- Shipping-cases, Metallic. The Metallic Shipping Case Corporation. No. 94,015; Oct. 28; Gaz. vol. 195; p. 1046.
- Shirt-waists, house-dresses, and aprons. Bottum & Torrance Co. No. 92,176; June 24; Gaz. vol. 191; p. 1061.
- Shirts. W. M. Steppacher & Bro. No. 89,963; Jan. 21; Gaz. vol. 186; p. 794.
- Shirts. Samuel Sternberger Company. No. 90,388; Feb. 18; Gaz. vol. 187; p. 826.
- Shirts. Roggen Bros. & Co. No. 90,472; Feb. 25; Gaz. vol. 187; p. 1113.
- Shirts. Reliance Manufacturing Company. No. 90,578; Mar. 4; Gaz. vol. 188; p. 239.

Alphabetical list of trade-marks—Continued.

- Shirts. Roggen Bros. & Co. No. 91,127; Apr. 15; Gaz. vol. 189; p. 777.
- Shirts. New Columbia Shirt Company. No. 92,254; June 24; Gaz. vol. 191; p. 1064.
- Shirts. Oppenheim, Oberndorf & Co. No. 93,898; Oct. 21; Gaz. vol. 195; p. 814.
- Shirts and pajamas. Atkin & Hartman. No. 90,407; Feb. 25; Gaz. vol. 187; p. 1111.
- Shirts and pajamas, Night. Tauber, Ryttenberg & Co. No. 93,307; Sept. 2; Gaz. vol. 194; p. 270.
- Shirts, coats, and overalls. Work. Hilker Wiechers Manf. Co. No. 90,331; Feb. 18; Gaz. vol. 187; p. 824.
- Shirts, collars, and cuffs, Men's. Hall, Hartwell & Co. No. 91,087; Apr. 15; Gaz. vol. 189; p. 775.
- Shirts, Cotton and woolen. Kahn Brothers & Company. No. 90,819; Mar. 25; Gaz. vol. 188; p. 1048.
- Shirts, Men's outer. North Texas Dry Goods Company. No. 91,366; Apr. 29; Gaz. vol. 189; p. 1277.
- Shirts, Negligée. Havens and Geddes Company. No. 94,634; Dec. 23; Gaz. vol. 197; p. 993.
- Shirts, rompers, and children's frocks. C. Eisenman Company. No. 89,332; Jan. 14; Gaz. vol. 186; p. 552.
- Shirts, waists, rompers, &c. C. Eisenman Company. No. 90,312; Feb. 18; Gaz. vol. 187; p. 824.
- Shirts, Work-. London & Hyman. No. 93,876; Oct. 21; Gaz. vol. 195; p. 813.
- Shock-preventers. The Aristos Company. No. 94,710; Dec. 30; Gaz. vol. 197; p. 1287.
- Shoe blacking, dressing, and polish. Eclipse Cement and Blacking Company. No. 90,176; Feb. 11; Gaz. vol. 187; p. 507.
- Shoe blacking, dressing, and polish. Eclipse Cement and Blacking Company. No. 90,310; Feb. 18; Gaz. vol. 187; p. 824.
- Shoe-holders and boot and shoe trees. Regal Shoe Company. No. 90,577; Mar. 4; Gaz. vol. 188; p. 239.
- Shoe-polish powder. C. F. Perry. No. 90,050; Jan. 28; Gaz. vol. 186; p. 983.
- Shoe-sole preserver. Lillie & Lillie. No. 91,884; June 3; Gaz. vol. 191; p. 288.
- Shoes. A. Letts. No. 91,493; May 6; Gaz. vol. 190; p. 260.
- Shoes. Shaft-Pierce Shoe Co. No. 94,494; Dec. 9; Gaz. vol. 197; p. 529.
- Shoes and clothing, Certain named. S. B. Sonneborn. No. 91,388; Apr. 29; Gaz. vol. 189; p. 1277.
- Shoes, Arch-supports to be inserted in. Lynn Rubber Manufacturing Company. No. 93,606; Sept. 30; Gaz. vol. 194; p. 1137.
- Shoes, Bathing-. S. Rauh & Company. No. 92,229; June 24; Gaz. vol. 191; p. 1063.
- Shoes, Bathing-. S. Rauh & Company. No. 92,261; June 24; Gaz. vol. 191; p. 1064.
- Shoes, Children's. Red School House Shoe Co. No. 90,740; Mar. 18; Gaz. vol. 188; p. 805.
- Shoes, Children's leather. Bradley & Metcalf Company. No. 90,785; Mar. 25; Gaz. vol. 188; p. 1047.
- Shoes, Device for dusting and surfacing white. L. D. Maupin. No. 92,351; July 1; Gaz. vol. 192; p. 212.
- Shoes, Leather. Smith-Briscoe Shoe-Co. No. 90,592; Mar. 4; Gaz. vol. 188; p. 240.
- Shoes, Leather. The Brown Shoe Co. Nos. 90,786-8; Mar. 25; Gaz. vol. 188; p. 1047.
- Shoes, Leather. E. A. Haley. No. 91,480; May 6; Gaz. vol. 190; p. 260.
- Shoes, Leather. A. Posner. No. 91,690; May 20; Gaz. vol. 190; p. 789.
- Shoes, Leather. The Forbush Shoe Company. No. 91,957; June 10; Gaz. vol. 191; p. 582.
- Shoes, Leather. M. A. Packard Co. No. 91,994; June 10; Gaz. vol. 191; p. 583.
- Shoes, Leather. L & W Shoe Company. No. 93,098; Aug. 19; Gaz. vol. 193; p. 750.
- Shoes, Leather. Burrow, Jones & Dyer Shoe Co. No. 93,161; Aug. 26; Gaz. vol. 193; p. 1011.
- Shoes, Leather. The Brown Shoe Co. No. 93,817; Oct. 21; Gaz. vol. 195; p. 811.
- Shoes, Leather. O'Connor Shoe Co. No. 94,106; Nov. 4; Gaz. vol. 196; p. 270.
- Shoes, Leather. Brockton Peoples Shoe Co. No. 94,510; Dec. 9; Gaz. vol. 197; p. 530.
- Shoes, Leather. L. McGinnis. No. 94,528; Dec. 9; Gaz. vol. 197; p. 530.
- Shoes, Leather and canvas. A. Posner. No. 92,465; July 8; Gaz. vol. 192; p. 513.
- Shoes, Men's and boys' leather. Marion Shoe Company. No. 94,465; Dec. 9; Gaz. vol. 197; p. 528.
- Shoes, Men's leather. Burrow-Jones and Dyer Shoe Co. No. 90,508; Mar. 4; Gaz. vol. 188; p. 237.
- Shoes, Men's leather. Smith & Herrick Co. No. 92,274; June 24; Gaz. vol. 191; p. 1064.
- Shoes, Misses' and children's. Chipman, Harwood & Co. No. 92,953; Aug. 12; Gaz. vol. 193; p. 503.
- Shoes, White coating and cleaner for white. N. F. Solomon. No. 91,812; May 27; Gaz. vol. 190; p. 1025.
- Shotguns, military and sporting rifles and carbines, and pistols. Remington Arms and Ammunition Company. No. 90,742; Mar. 18; Gaz. vol. 188; p. 805.
- Shoulder-braces and suspenders. P. Bailly & Cie. Nos. 92,939-40; Aug. 12; Gaz. vol. 193; p. 503.
- Shovels. Ames Shovel and Tool Company. No. 92,614; July 22; Gaz. vol. 192; p. 983.
- Shovels and spades. H. Root. No. 90,136; Feb. 4; Gaz. vol. 187; p. 228.
- Shovels, spades, and scoops. Clark-Smith Hardware Company. No. 90,869; Apr. 1; Gaz. vol. 189; p. 247.
- Shovels, spades, and scoops. Ames Shovel & Tool Company. Nos. 92,615-17; July 22; Gaz. vol. 192; p. 983.
- Show-cases, counters, partitions, &c. Chas. P. Whittle Mfg. Co. No. 92,023; June 10; Gaz. vol. 191; p. 584.
- Sifting vessels for dispensing certain named powdered or granular material. The Self Sealing Sifter Top Company. No. 90,247; Feb. 11; Gaz. vol. 187; p. 509.
- Sign glass letters. Pressed Prism Plate Glass Company. No. 90,375; Feb. 18; Gaz. vol. 187; p. 826.
- Signs, Advertising-. The Whitehead & Hoag Company. No. 90,273; Feb. 11; Gaz. vol. 187; p. 510.
- Signs, Electrically-illuminated. Flexlume Sign Company. No. 94,550; Dec. 16; Gaz. vol. 197; p. 777.
- Signs, Metal. C. A. Divine. No. 93,491; Sept. 16; Gaz. vol. 194; p. 741.
- Signal-horns and alarms. Lovell-McConnell Manufacturing Company. No. 90,718; Mar. 18; Gaz. vol. 188; p. 804.
- Signals for determining the temperature of sea-water and air. The McNab Company. No. 91,498; May 6; Gaz. vol. 190; p. 260.
- Silk and cotton piece goods. A. G. Hyde & Sons. No. 94,641; Dec. 23; Gaz. vol. 197; p. 993.
- Silk and mercerized thread, Tube and spool. Goldin Brothers. No. 90,879; Apr. 1; Gaz. vol. 189; p. 247.
- Silk goods in the piece. The Valentine & Bentley Silk Co. No. 91,821; May 27; Gaz. vol. 190; p. 1025.
- Silk, linen, &c. piece fabrics. Atuyer, Bianchini, Ferlier. No. 93,954; Oct. 28; Gaz. vol. 195; p. 1045.
- Silk piece goods. M. C. Migel & Co. No. 90,560; Mar. 4; Gaz. vol. 188; p. 239.
- Silk piece goods. The Brilliant Silk Mfg. Co. No. 91,412; Apr. 29; Gaz. vol. 189; p. 1278.
- Silk piece goods. H. B. Claffin Company. No. 92,640; July 22; Gaz. vol. 192; p. 983.
- Silk piece goods. Roehlen-Pittenger Silk Co. No. 93,755; Oct. 14; Gaz. vol. 195; p. 536.
- Silk piece goods. Wahnetaf Silk Company. No. 94,037; Oct. 28; Gaz. vol. 195; p. 1047.
- Silk piece goods and silk ribbons. H. Adler. No. 91,406; Apr. 29; Gaz. vol. 189; p. 1278.
- Silk ribbons. Helvetia Silk Mill. No. 92,074; June 17; Gaz. vol. 191; p. 826.
- Silk, silk and cotton, and cotton-mixed fabrics. Fried, Mendelson & Co. No. 94,521; Dec. 9; Gaz. vol. 197; p. 530.
- Silks and silk threads and yarns, Thrown. J. Dunlop's Sons. No. 91,761; May 27; Gaz. vol. 190; p. 1023.
- Silos. Western Silo Company. No. 93,402; Sept. 9; Gaz. vol. 194; p. 547.
- Silos. Monolithic Silo & Construction Company. No. 94,017; Oct. 28; Gaz. vol. 195; p. 1047.
- Silver and electroplated articles. Ellis & Co. (Birmingham) Limited. No. 90,691; Mar. 18; Gaz. vol. 188; p. 803.
- Silver-plated articles, Certain named. Landers, Frary & Clark. No. 90,998; Apr. 8; Gaz. vol. 189; p. 518.
- Silver-plated goods. Landers, Frary & Clark. No. 90,549; Mar. 4; Gaz. vol. 188; p. 238.
- Size and finish for textile and other products, &c. C. W. Jacob and Allison. No. 91,578; May 13; Gaz. vol. 190; p. 544.
- Sizing, Starch. The Gum Tragacoll Supply Company. No. 90,698; Mar. 18; Gaz. vol. 188; p. 804.
- Skates, Ice-. N. Johnson. No. 89,852; Jan. 14; Gaz. vol. 186; p. 553.
- Skates, Roller-. The Samuel Winslow Skate Manufacturing Company. No. 90,079; Jan. 28; Gaz. vol. 186; p. 984.
- Sketches, drawings, and prints and folders for same. Buchsbaum Fashion Company. No. 91,554; May 13; Gaz. vol. 190; p. 543.
- Skins, Calf, kid, and goat. Burk Brothers. No. 92,630; July 22; Gaz. vol. 192; p. 983.
- Skirts and petticoats. M. Reiss. No. 93,292; Sept. 2; Gaz. vol. 194; p. 270.
- Sleds. Bethlehem Manufacturing Company. No. 91,312; Apr. 29; Gaz. vol. 189; p. 1275.
- Slippers, Bedroom-. M. G. Fetterman. No. 93,838; Oct. 21; Gaz. vol. 195; p. 812.
- Smokers' ash pots, receivers, and trays. Tcharic, Simleh & Co. No. 90,595; Mar. 4; Gaz. vol. 188; p. 240.
- Snap-fasteners. Mercantile Fastener Company. No. 91,296; Apr. 22; Gaz. vol. 189; p. 1029.
- Snuff. Joseph & Henry Wilson. No. 92,024; June 10; Gaz. vol. 191; p. 584.
- Soap. J. G. Escue. No. 90,004; Jan. 28; Gaz. vol. 186; p. 982.
- Soap. F. S. Walton Company. No. 90,067; Jan. 28; Gaz. vol. 186; p. 983.
- Soap. The Kolynos Co. No. 90,448; Feb. 25; Gaz. vol. 187; p. 1112.
- Soap. The Globe Soap Company. No. 90,635; Mar. 11; Gaz. vol. 188; p. 509.

Alphabetical list of trade-marks—Continued.

- Soap. The Beaver Soap Company. No. 90,955; Apr. 8; Gaz. vol. 189; p. 517.
- Soap. Colgate & Co. No. 91,322; Apr. 29; Gaz. vol. 189; p. 1275.
- Soap. J. Callahan. No. 92,634; July 22; Gaz. vol. 192; p. 983.
- Soap. The Snow Flake Axle Grease Company. No. 93,042; Aug. 12; Gaz. vol. 193; p. 506.
- Soap. Druggists' Co-operative Association. No. 93,832; Oct. 21; Gaz. vol. 195; p. 812.
- Soap. Hydrox Chemical Company. No. 93,855; Oct. 21; Gaz. vol. 195; p. 812.
- Soap. A. Lettis. No. 93,874; Oct. 21; Gaz. vol. 195; p. 813.
- Soap. O-Shu-Co Soap Company. No. 93,899; Oct. 21; Gaz. vol. 195; p. 814.
- Soap. Regesan Ltd. No. 93,908; Oct. 21; Gaz. vol. 195; p. 814.
- Soap. Royal Tea Company. No. 94,489; Dec. 9; Gaz. vol. 197; p. 529.
- Soap and scouring compound. Lever Brothers Company. No. 90,450; Feb. 25; Gaz. vol. 187; p. 1112.
- Soap, Castile. James S. Kirk Company. No. 93,185; Aug. 26; Gaz. vol. 193; p. 1012.
- Soap, Cleaning-. W. C. Casey. No. 93,823; Oct. 21; Gaz. vol. 195; p. 812.
- Soap compound. Young & Co. No. 90,081; Jan. 28; Gaz. vol. 186; p. 984.
- Soap paste. I. R. Honeywell. No. 90,439; Feb. 25; Gaz. vol. 187; p. 1112.
- Soap paste, Hand. The Enos Adams Co. No. 94,410; Dec. 9; Gaz. vol. 197; p. 527.
- Soap, Perfumed. H. Bronnley & Company. No. 91,315; Apr. 29; Gaz. vol. 189; p. 1275.
- Soap, polish, and cleaning and washing compounds. Direct Importing Company. No. 91,176; Apr. 22; Gaz. vol. 189; p. 1025.
- Soap powder. The Holbrook Mfg. Co. No. 94,449; Dec. 9; Gaz. vol. 197; p. 528.
- Soap powders. M. F. Windsor. No. 94,141; Nov. 4; Gaz. vol. 196; p. 272.
- Soap solution of cresol. The Hoffman-La Roche Chemical Works. No. 92,797; July 29; Gaz. vol. 192; p. 1256.
- Soap, Toilet. The Arthur Chemical Co. No. 93,586; Sept. 30; Gaz. vol. 194; p. 1137.
- Soap, Toilet. Empire Soap Company. No. 93,836; Oct. 21; Gaz. vol. 195; p. 812.
- Soap, Toilet. R. J. Gates. No. 93,842; Oct. 21; Gaz. vol. 195; p. 812.
- Soaps. A. H. Lardusky. No. 90,350; Feb. 18; Gaz. vol. 187; p. 825.
- Soaps. Richard Hudnut. No. 91,215; Apr. 22; Gaz. vol. 189; p. 1027.
- Soaps. Imperial Soap and Oil Co. No. 93,178; Aug. 26; Gaz. vol. 193; p. 1012.
- Soaps, Toilet. The Andrew Jergens Co. No. 89,977; Jan. 28; Gaz. vol. 186; p. 981.
- Soaps, Toilet. The Andrew Jergens Co. No. 90,341; Feb. 18; Gaz. vol. 187; p. 825.
- Soaps, Toilet. F. G. Burke. No. 94,424; Dec. 9; Gaz. vol. 197; p. 527.
- Soda and soda-ash, Caustic. United Alkali Company Limited. No. 94,337; Nov. 25; Gaz. vol. 196; p. 1049.
- Soda, Caustic. J. Heinzkill. No. 93,443; Sept. 16; Gaz. vol. 194; p. 740.
- Soda-water drink. J. Lotts. No. 91,101; Apr. 15; Gaz. vol. 189; p. 776.
- Soda-water, ginger-ale, pop, &c. The Chemists' Club. No. 92,399; July 8; Gaz. vol. 192; p. 511.
- Sofas and beds. G. Anderson. No. 90,405; Feb. 25; Gaz. vol. 187; p. 1111.
- Soldering compounds and fluxes. L. B. Allen Co. No. 93,511; Sept. 23; Gaz. vol. 194; p. 947.
- Solvent for removing deposits from certain named materials. W. H. Plunkett. No. 93,023; Aug. 12; Gaz. vol. 193; p. 505.
- Sorghum and sorghum compounds. The Fort Scott Sorghum Syrup Company. No. 89,836; Jan. 14; Gaz. vol. 186; p. 552.
- Sorghum and sorghum products. The Fort Scott Sorghum Syrup Company. Nos. 94,625-6; Dec. 23; Gaz. vol. 197; p. 992.
- Spark-plugs. General Illuminating Company. No. 89,838; Jan. 14; Gaz. vol. 186; p. 552.
- Spark-plugs. H. W. Johns-Manville Co. No. 90,024; Jan. 28; Gaz. vol. 186; p. 982.
- Spark-plugs. Aurora & Vulcan Co. No. 92,164; June 24; Gaz. vol. 191; p. 1061.
- Spark-plugs. Champion Spark Plug Company. Nos. 92,949-50; Aug. 12; Gaz. vol. 193; p. 503.
- Spark-plugs. Champion Ignition Co. No. 94,060; Nov. 4; Gaz. vol. 196; p. 269.
- Specimens of animal, mineral, and vegetable substances. Collections of. Scientific Supply Company. No. 93,611; Sept. 30; Gaz. vol. 194; p. 1138.
- Spectacles and eyeglasses. Joseph Friedlander & Bro. No. 90,981; Apr. 8; Gaz. vol. 189; p. 518.
- Spectacles, eyeglasses, spectacle and eyeglass frames, &c. A. Conklin. No. 91,172; Apr. 22; Gaz. vol. 189; p. 1025.
- Spice, Pickle-. Parrish Brothers. No. 93,018; Aug. 12; Gaz. vol. 193; p. 505.
- Spices. Gilpin, Langdon & Company. No. 92,333; July 1; Gaz. vol. 192; p. 211.
- Spices. E. B. Millar Co. No. 94,652; Dec. 23; Gaz. vol. 197; p. 993.
- Spices and flavoring extracts. F. E. Fowler. No. 90,426; Feb. 25; Gaz. vol. 187; p. 1111.
- Spices and flavoring extracts. The King Company. No. 94,449; Sept. 16; Gaz. vol. 194; p. 740.
- Spices and flavorings for foods. Sherer-Gillett Company. No. 91,133; Apr. 15; Gaz. vol. 189; p. 777.
- Spices, flavoring extracts, and canned goods. Pacific Commercial Company. No. 91,123; Apr. 15; Gaz. vol. 189; p. 777.
- Spices, flavoring extracts, and olive-oil. The Durbar Co. No. 91,762; May 27; Gaz. vol. 190; p. 1023.
- Spinning and twister rings. Whitinsville Spinning Ring Company. No. 90,149; Feb. 4; Gaz. vol. 187; p. 229.
- Sporting goods, Certain named. A. G. Spaulding & Bros. No. 92,279; June 24; Gaz. vol. 191; p. 1064.
- Sportsmen's supplies, Certain named. Edw. K. Tryon Company. No. 90,663; Mar. 11; Gaz. vol. 188; p. 510.
- Spray for exterminating insects and a deodorizer, &c. H. M. Creamer. No. 92,047; June 17; Gaz. vol. 191; p. 825.
- Stamp-affixers. The Multipost Company. No. 93,008; Aug. 12; Gaz. vol. 193; p. 505.
- Stamps, Trading-. The McKelvey Co. No. 92,444; July 8; Gaz. vol. 192; p. 512.
- Starch. Eustis, Pennock & Co. Nos. 94,171-2; Nov. 11; Gaz. vol. 196; pp. 521-2.
- Starch for textile-mill usage. Eustis, Pennock & Co. No. 94,242; Nov. 18; Gaz. vol. 196; p. 801.
- Starch. Laundry. Thos. Roulston, Incorporated. No. 89,770; Jan. 7; Gaz. vol. 186; p. 286.
- Starch sizing. Gum Tragacanth Supply Company Limited. No. 91,204; Apr. 22; Gaz. vol. 189; p. 1026.
- Starch, wax, sizing, and bleaches, Laundry. The Alden Speare's Sons Co. No. 93,934; Oct. 21; Gaz. vol. 195; p. 815.
- Starches, Chemical and laundry. Chemical Specialties Co. No. 91,757; May 27; Gaz. vol. 190; p. 1023.
- Stationery, Certain named. Graham-Chisholm Company. No. 90,985; Apr. 8; Gaz. vol. 189; p. 518.
- Stationery, paper, books, binders, and holders. S. C. Toof & Co. No. 93,778; Oct. 14; Gaz. vol. 195; p. 536.
- Steam-traps. L. M. MacDermot. No. 89,861; Jan. 14; Gaz. vol. 186; p. 553.
- Steel. Samuel Osborn & Co. No. 90,371; Feb. 18; Gaz. vol. 187; p. 825.
- Steel. Halcomb Steel Company. No. 91,865; June 3; Gaz. vol. 191; p. 288.
- Steel and iron. Pratt & Inman. No. 91,897; June 3; Gaz. vol. 191; p. 289.
- Steel and iron. Pratt & Inman. No. 93,462; Sept. 16; Gaz. vol. 194; p. 740.
- Steel and steel castings, Bar-. Mac-It Parts Company. No. 91,885; June 3; Gaz. vol. 191; p. 288.
- Steel and steel wire. Kayser, Ellison & Co. No. 93,863; Oct. 21; Gaz. vol. 195; p. 813.
- Steel, Drill-. The Mine and Smelter Supply Co. No. 94,470; Dec. 9; Gaz. vol. 197; p. 529.
- Steel forgings. Pennsylvania Forge Company. No. 90,912; Apr. 1; Gaz. vol. 189; p. 248.
- Steel in bar and rod for tool manufacture. J. Nell & Co. No. 93,893; Oct. 21; Gaz. vol. 195; p. 814.
- Steel, nickel, &c. W. A. Tyzack & Co. No. 90,761; Mar. 18; Gaz. vol. 188; p. 805.
- Steel, Sheet-. Detroit Stove Works. No. 91,862; June 3; Gaz. vol. 191; p. 288.
- Steel, Sheet-. Inland Steel Company. No. 94,380; Dec. 2; Gaz. vol. 197; p. 236.
- Steel sheets, bars, and forgings. Henry Disston & Sons. No. 90,100; Feb. 4; Gaz. vol. 187; p. 227.
- Steel sheets, bars, and forgings. Henry Disston & Sons. No. 90,303; Feb. 18; Gaz. vol. 187; p. 823.
- Steel, Tool-. Sanderson Brothers and Newbould. No. 92,129; June 17; Gaz. vol. 191; p. 828.
- Steel, Tool-. Halcomb Steel Company. No. 93,847; Oct. 21; Gaz. vol. 195; p. 812.
- Steels. W. S. Leeds. No. 90,552; Mar. 4; Gaz. vol. 188; p. 238.
- Stenciling fluid. A. B. Dick Company. No. 93,974; Oct. 28; Gaz. vol. 195; p. 1045.
- Stereotype-matrix. The Flexitype Co. No. 93,089; Aug. 19; Gaz. vol. 193; p. 750.
- Stockings. O'Callaghan & Fedden. Nos. 89,940-1; Jan. 21; Gaz. vol. 186; p. 794.
- Stockings. E. W. Decker. No. 89,997; Jan. 28; Gaz. vol. 186; p. 981.
- Stomach-restorative. R. M. Scott. No. 91,259; Apr. 22; Gaz. vol. 189; p. 1028.
- Stone, Artificial. Wetterwald & Pfister Company. No. 94,139; Nov. 4; Gaz. vol. 196; p. 272.
- Stone, Certain named construction material made of artificial. Hall Concrete-Products Company. No. 90,699; Mar. 18; Gaz. vol. 188; p. 804.
- Stools, tables, and davenport, Foot-. Traverse City Chair Company. No. 92,921; Aug. 5; Gaz. vol. 193; p. 216.

Alphabetical list of trade-marks—Continued.

- Stout. Lawson, Wilson and Company. No. 90,900; Apr. 1; Gaz. vol. 189; p. 248.
- Stove, metal, shoe, and enamel polish. A-B Polish Co. No. 92,120; June 17; Gaz. vol. 191; p. 827.
- Stoves. W. F. Dewey. No. 90,796; Mar. 25; Gaz. vol. 188; p. 1047.
- Stoves and ranges. C. Heinz Stove Co. No. 90,990; Apr. 8; Gaz. vol. 189; p. 518.
- Stoves and ranges, Cooking. Stamford Foundry Company. No. 92,917; Aug. 5; Gaz. vol. 193; p. 216.
- Stoves and ranges, Heating. Michigan Stove Company. No. 91,977; June 10; Gaz. vol. 191; p. 582.
- Stoves and ranges, Heating. Michigan Stove Company. No. 92,902; Aug. 5; Gaz. vol. 193; p. 216.
- Stoves, furnaces, and ranges. Walker & Pratt Mfg. Co. No. 92,747; July 22; Gaz. vol. 192; p. 987.
- Stoves, Heating. W. B. Frierson. No. 90,010; Jan. 28; Gaz. vol. 186; p. 982.
- Stoves, lamps, and wind-shields for use on same, Alcohol. Landers, Frary & Clark. No. 90,028; Jan. 28; Gaz. vol. 186; p. 982.
- Stoves, lamps, torches, and heaters, Hydrocarbon. The A & A Manufacturing Company. No. 92,861; Aug. 5; Gaz. vol. 193; p. 215.
- Stoves, ovens, and wicks, Oil. The Cleveland Foundry Company. No. 91,555; May 13; Gaz. vol. 190; p. 543.
- Stoves, ranges, and heating apparatus, Steel. The Fuel Economizer Company. No. 90,983; Apr. 8; Gaz. vol. 189; p. 518.
- Stovepipes, elbows, furnace-pipes, &c. Sheet Metal Specialty Co. No. 92,271; June 24; Gaz. vol. 191; p. 1064.
- Strainers, Sink. The Republic Metalware Co. No. 92,828; July 29; Gaz. vol. 192; p. 1257.
- Straw and chip. T. Lye & Sons. Nos. 93,188-9; Aug. 26; Gaz. vol. 193; p. 1012.
- Straw plait, Preparation for bleaching. T. Lye & Sons. No. 93,243; Aug. 26; Gaz. vol. 193; p. 1014.
- Stringed-instrument key. L. L. Filstrup. No. 92,542; July 15; Gaz. vol. 192; p. 738.
- Sugar. The American Sugar Refining Company. No. 89,796; Jan. 14; Gaz. vol. 186; p. 551.
- Sugar. The American Sugar Refining Company. No. 89,974; Jan. 28; Gaz. vol. 186; p. 981.
- Sugar. Arbuckle Brothers. No. 89,978; Jan. 28; Gaz. vol. 186; p. 981.
- Sugar. The American Sugar Refining Company. No. 90,497; Mar. 4; Gaz. vol. 188; p. 237.
- Sugar. The W. J. McCahan Sugar Refining Co. No. 92,703; July 22; Gaz. vol. 192; p. 985.
- Sugar. The W. J. McCahan Sugar Refining Co. No. 92,814; July 29; Gaz. vol. 192; p. 1256.
- Sugar and oysters. Goldberg, Bowen & Co. No. 94,629; Dec. 23; Gaz. vol. 197; p. 992.
- Sugar-refining compound. Bowker Chemical Company. No. 91,641; May 20; Gaz. vol. 190; p. 787.
- Suitcases, traveling-bags, trunks, &c. The Belber Trunk & Bag Company. No. 90,622; Mar. 11; Gaz. vol. 188; p. 509.
- Suits and overcoats. The Royal Woolen Mills Co. No. 90,058; Jan. 28; Gaz. vol. 186; p. 983.
- Suits and overcoats. M. Wile & Co. Nos. 91,924-5; June 3; Gaz. vol. 191; p. 290.
- Suits and overcoats. Premier Tailoring Co. No. 92,715; July 22; Gaz. vol. 192; p. 986.
- Suits and overcoats. W. S. Peck & Co. No. 93,113; Aug. 19; Gaz. vol. 193; p. 750.
- Suits and overcoats, Boys'. F. & R. Lazarus & Co. No. 90,005; Jan. 28; Gaz. vol. 186; p. 982.
- Suits and overcoats for men and boys. Premier Tailoring Co. No. 90,919; Apr. 1; Gaz. vol. 189; p. 248.
- Suits and overcoats, Men's. The F. & R. Lazarus & Co. No. 91,356; Apr. 29; Gaz. vol. 189; p. 1276.
- Suits and overcoats, Men's. M. Swartz & Sons. No. 91,524; May 6; Gaz. vol. 190; p. 261.
- Suits and overcoats, Men's. Davidson & Finkelbrand. No. 91,651; May 20; Gaz. vol. 190; p. 787.
- Suits and overcoats, Men's. The Wonder Clothes Shop Co. No. 93,950; Oct. 21; Gaz. vol. 195; p. 815.
- Suits, Bathing. The Ocean Bathing Suit Co. No. 90,909; Apr. 1; Gaz. vol. 189; p. 248.
- Suits, Men's outer. R. A. Fraser. No. 92,207; June 24; Gaz. vol. 191; p. 1062.
- Sulfate of iron. The American Steel & Wire Co. of New Jersey. No. 94,573; Dec. 23; Gaz. vol. 197; p. 991.
- Sulfur, Liquidized. Crew's Liquidized Sulphur Co. No. 91,463; May 6; Gaz. vol. 190; p. 259.
- Surfacers, paste fillers, and wood-stains. The Marletta Paint & Color Co. No. 89,760; Jan. 7; Gaz. vol. 186; p. 286.
- Surgeons' aprons and dental throws. Resistal Manufacturing Company. No. 91,378; Apr. 29; Gaz. vol. 189; p. 1277.
- Surgical appliances, Certain named. Geo. Borgfeldt & Co. Nos. 91,841-2; June 3; Gaz. vol. 191; p. 287.
- Surgical goods, Certain named. Lee Tire & Rubber Co. Nos. 94,091-2; Nov. 4; Gaz. vol. 196; p. 270.
- Suspenders. The C. A. Edgerton Manufacturing Company. No. 90,103; Feb. 4; Gaz. vol. 187; p. 227.
- Suspenders. S. Blechman & Sons. No. 91,063; Apr. 15; Gaz. vol. 189; p. 775.
- Suspenders. L. S. Cooney. No. 92,877; Aug. 5; Gaz. vol. 193; p. 215.
- Sweaters. Rauser, Leavens & Kissinger Co. No. 89,947; Jan. 21; Gaz. vol. 186; p. 794.
- Sweaters, hoods, toques, and caps. E. F. Bornemann. No. 90,783; Mar. 25; Gaz. vol. 188; p. 1047.
- Sweepers, Suction. The Sterling Machine & Stamping Co. No. 92,374; July 1; Gaz. vol. 192; p. 213.
- Sweeping compound. M. Berger. No. 89,982; Jan. 28; Gaz. vol. 186; p. 981.
- Sweeping compound. Dust-no-more Manufacturing Company. No. 92,656; July 22; Gaz. vol. 192; p. 984.
- Sweeping compound. Cheshire Chemical Co. No. 93,824; Oct. 21; Gaz. vol. 195; p. 812.
- Sweeping compound, Granular. The Lignum Chemical Works. No. 93,734; Oct. 14; Gaz. vol. 195; p. 535.
- Swing, Child's. F. T. Mackedon. No. 94,246; Nov. 18; Gaz. vol. 196; p. 801.
- Synthetic sapphires. L. Heller & Son. No. 93,720; Oct. 14; Gaz. vol. 195; p. 535.
- Syringes and appurtenances, Hypodermic. Greeley Laboratories. No. 90,196; Feb. 11; Gaz. vol. 187; p. 508.
- Syringes and dental needles, Metal. The Randall-Faichney Company. No. 91,898; June 3; Gaz. vol. 191; p. 289.
- Syringes, water-bottles, nasal douches, and catheters. Parker, Stearns & Company. No. 90,653; Mar. 11; Gaz. vol. 188; p. 510.
- Syrup. The American Sugar Refining Company. Nos. 93,486-8; Sept. 16; Gaz. vol. 194; p. 741.
- Syrup and cane-sugar, Compound of raisin. The California Condensed Fruit & Syrup Co. No. 93,259; Sept. 2; Gaz. vol. 194; p. 269.
- Syrup and glucose, Cane. Columbia Coffee Mills. No. 92,955; Aug. 12; Gaz. vol. 193; p. 503.
- Syrup, Corn and cane. Alabama-Georgia Syrup Co. No. 89,971; Jan. 28; Gaz. vol. 186; p. 981.
- Syrup extract. Lemon Beer Company. No. 94,293; Nov. 25; Gaz. vol. 196; p. 1048.
- Syrup for flavoring purposes. F. O. Cross. No. 91,078; Apr. 15; Gaz. vol. 189; p. 775.
- Syrup for use as food. American Sugar Refining Company. No. 93,408; Sept. 16; Gaz. vol. 194; p. 739.
- Syrup, Maple. The Towle Maple Products Company. No. 91,397; Apr. 29; Gaz. vol. 189; p. 1278.
- Syrup, Soda-water. F. B. Howard. No. 92,557; July 15; Gaz. vol. 192; p. 739.
- Syrup, Table. Corn Products Refining Company. No. 92,191; June 24; Gaz. vol. 191; p. 1062.
- Syrup, Table. Malt Food Products Company of Oswego, N. Y. No. 93,880; Oct. 21; Gaz. vol. 195; p. 813.
- Syrup to be used with carbonated water. B. F. Harde-man. No. 91,088; Apr. 15; Gaz. vol. 189; p. 776.
- Tables, chairs, desks, and cabinets. Wolverine Mfg. Co. No. 91,538; May 6; Gaz. vol. 190; p. 262.
- Tables, chairs, settees, stands, and cedar chests. E. T. Burrowes Company. No. 92,631; July 22; Gaz. vol. 192; p. 983.
- Tablet, Internal secretive. The Perron Laboratory. No. 90,913; Apr. 1; Gaz. vol. 189; p. 248.
- Tablets, Breath. K. Julian. No. 94,288; Nov. 25; Gaz. vol. 196; p. 1047.
- Tablets, Digestive. C. F. York. No. 90,614; Mar. 4; Gaz. vol. 188; p. 240.
- Tablets, Digestive. Talby-Nason Company. No. 93,046; Aug. 12; Gaz. vol. 193; p. 506.
- Tablets, Dyspepsia. The French Medical Company. No. 90,109; Feb. 4; Gaz. vol. 187; p. 227.
- Tablets, Foot. The Peerless Drug Company. No. 91,242; Apr. 22; Gaz. vol. 189; p. 1027.
- Tablets, Mouth-wash. Fabrik chemischer und pharmazeutischer Präparate Dr. Franz Stohr, Gesellschaft mit beschränkter Haftung. No. 90,314; Feb. 18; Gaz. vol. 187; p. 824.
- Tablets, Shampooing. Fabrik chemischer und pharmazeutischer Präparate Dr. Franz Stohr, Gesellschaft mit beschränkter Haftung. No. 90,313; Feb. 18; Gaz. vol. 187; p. 824.
- Tacks. Stone-Ordean-Wells Company. No. 92,736; July 22; Gaz. vol. 192; p. 986.
- Tacks. Stone-Ordean-Wells Company. No. 93,214; Aug. 26; Gaz. vol. 193; p. 1013.
- Tags. Dennison Manufacturing Company. Nos. 94,609-19; Dec. 23; Gaz. vol. 197; p. 992.
- Talcum, &c., powders, face-cream, and perfume. G. S. McCreedy. No. 94,388; Dec. 2; Gaz. vol. 197; p. 236.
- Talking-machines. A. Weiss. No. 89,967; Jan. 21; Gaz. vol. 186; p. 795.
- Talking-machines. The United States Phonograph Co. No. 91,527; May 6; Gaz. vol. 190; p. 261.
- Talking-machines and parts and accessories thereof. Compagnie Générale des Etablissements Pathé Frères, Phonographe et Cinématographe. Nos. 90,511-12; Mar. 4; Gaz. vol. 188; p. 237.
- Talking-machines and records for same. Columbia Graphophone Company. No. 93,428; Sept. 16; Gaz. vol. 194; p. 739.
- Tannic acid with thymol, Product of the condensation of Schimmel & Co. No. 90,256; Feb. 11; Gaz. vol. 187; p. 510.

Alphabetical list of trade-marks—Continued.

- Tanning extracts. The Champion Fibre Company. No. 92,319; July 1; Gaz. vol. 192; p. 211.
- Tanning materials. The Haley-Hammond Company. No. 91,866; June 3; Gaz. vol. 191; p. 288.
- Tape, Woven. Earnshaw Knitting Company. No. 93,343; Sept. 9; Gaz. vol. 194; p. 545.
- Tapioca. The Great Atlantic and Pacific Tea Company. No. 90,430; Feb. 25; Gaz. vol. 187; p. 1111.
- Taps. Wells Brothers Company. No. 92,153; June 17; Gaz. vol. 191; p. 828.
- Tar colloids. Dr. Kereszty, Dr. Wolf és Tsa. Vegyészeti gyár R. T. No. 93,730; Oct. 14; Gaz. vol. 195; p. 535.
- Tar distillates. Barrett Manufacturing Company. No. 91,409; Apr. 29; Gaz. vol. 189; p. 1278.
- Tassels, trimmings, scarfs, sashes, and cords. Hensel & Schumann. No. 92,553; July 15; Gaz. vol. 192; p. 738.
- Tea. The Heekin Spice Company. No. 89,840; Jan. 14; Gaz. vol. 186; p. 552.
- Tea. T. R. Macy. No. 90,904; Apr. 1; Gaz. vol. 189; p. 248.
- Tea. Chase & Sanborn. No. 92,184; June 24; Gaz. vol. 191; p. 1062.
- Tea. The Reliance Trading Co. No. 92,262; June 24; Gaz. vol. 191; p. 1064.
- Tea. The Woolson Spice Co. No. 93,576; Sept. 23; Gaz. vol. 194; p. 949.
- Tea and coffee. J. A. Folger & Company. No. 93,981; Oct. 28; Gaz. vol. 195; p. 1045.
- Tea and coffee. Nalley Grocery Co. No. 94,300; Nov. 25; Gaz. vol. 196; p. 1048.
- Tea, blended coffee, cocoa, and flavoring extracts. Clark & Host Co. No. 91,171; Apr. 22; Gaz. vol. 189; p. 1025.
- Tea, coffee, and cocoa. P. R. Palethorpe. No. 94,026; Oct. 28; Gaz. vol. 195; p. 1047.
- Tea, coffee, spices, flavoring extracts, and wheat-flour. Goldberg, Bowen & Co. No. 90,321; Feb. 18; Gaz. vol. 187; p. 824.
- Teas. Dwight Edwards Company. No. 92,658; July 22; Gaz. vol. 192; p. 984.
- Teas. G. T. Matthews & Co. No. 92,697; July 22; Gaz. vol. 192; p. 985.
- Teas. Loudon & Son. No. 93,552; Sept. 23; Gaz. vol. 194; p. 948.
- Teas and spices. William S. Scull Company. No. 92,132; June 17; Gaz. vol. 191; p. 828.
- Teeth, Root-filling for. T. McCullough. No. 90,555; Mar. 4; Gaz. vol. 188; p. 239.
- Teeth, tooth-cement, amalgams, &c. Artificial. Richter & Hoffmann The Harvard Dental Manufacturing Co. No. 92,716; July 22; Gaz. vol. 192; p. 986.
- Temperature-indicating devices for fluid systems. The Motometer Company. No. 92,818; July 29; Gaz. vol. 192; p. 1257.
- Textile and woven fabric. Certain named articles of. Daimler-Motoren-Gesellschaft. No. 91,760; May 27; Gaz. vol. 190; p. 1023.
- Thermo-electric therapeutic devices. C. E. Edson. No. 90,975; Apr. 8; Gaz. vol. 189; p. 518.
- Thimbles, Precious-metal sewing. Ketcham & McDougall. No. 94,525; Dec. 9; Gaz. vol. 197; p. 530.
- Thread. The Spool Cotton Company. No. 89,961; Jan. 21; Gaz. vol. 186; p. 794.
- Thread. The Linen Thread Co. No. 90,903; Apr. 1; Gaz. vol. 189; p. 248.
- Thread and spool-cotton, Mercerized. Sea Island Thread Co. Nos. 93,760-2; Oct. 14; Gaz. vol. 195; p. 536.
- Thread and spool-cotton, Mercerized. Sea Island Thread Co. No. 94,766; Dec. 30; Gaz. vol. 197; p. 1288.
- Thread and yarn. Courtaulds Limited. No. 94,607; Dec. 23; Gaz. vol. 197; p. 992.
- Thread and yarn and sewing-silk. Certain named. F. A. Patrick & Company. No. 89,768; Jan. 7; Gaz. vol. 186; p. 286.
- Thread and yarn, Silk, cotton, &c. H. E. Verran Company. No. 91,300; Apr. 22; Gaz. vol. 189; p. 1029.
- Thread, Cotton. The Hughes Manfg. Co. No. 93,725; Oct. 14; Gaz. vol. 195; p. 535.
- Thread, Mercerized. Sea Island Thread Co. Nos. 90,139-40; Feb. 4; Gaz. vol. 187; p. 228.
- Thread, twist, yarns, &c. Cotton. New England Cotton Yarn Company. No. 89,938; Jan. 21; Gaz. vol. 186; p. 794.
- Threads and yarns. Certain. Dexter Yarn Co. No. 92,878; Aug. 5; Gaz. vol. 193; p. 215.
- Threads, Sewing. M. Brodsky & Co. No. 91,413; Apr. 29; Gaz. vol. 189; p. 1278.
- Threads, Textile. Belding Bros. & Co. No. 90,673; Mar. 18; Gaz. vol. 188; p. 803.
- Threshing-machine band-cutters and self-feeders. J. F. Langdon. No. 92,804; July 29; Gaz. vol. 192; p. 1256.
- Threshing-machines. Emerson-Brantingham Company. Nos. 92,052-3; June 17; Gaz. vol. 191; p. 825.
- Threshing-machines. Emerson-Brantingham Company. No. 92,055; June 17; Gaz. vol. 191; p. 825.
- Tile, Clay roofing. Ludowici-Celadon Company. No. 92,435; July 8; Gaz. vol. 192; p. 512.
- Tiles. The Vitrolite Company. No. 91,050; Apr. 8; Gaz. vol. 189; p. 520.
- Tiles and bricks, Fancy and ornamental. National Mosaic Flooring Company. No. 90,727; Mar. 18; Gaz. vol. 188; p. 804.
- Tiles, Cement. Federal Cement Tile Company. No. 94,277; Nov. 25; Gaz. vol. 196; p. 1047.
- Tiles, Shingle and roofing. The United States Tile Company. No. 90,483; Feb. 25; Gaz. vol. 187; p. 1113.
- Timber and lumber. G. Bell & Sons. No. 91,838; June 3; Gaz. vol. 191; p. 287.
- Time-recorders, Workmen's. Taylor, Taylor & Hobson. No. 92,143; June 17; Gaz. vol. 191; p. 828.
- Tin and terne plates. Conklin Tin Plate & Metal Company. No. 92,754; July 29; Gaz. vol. 192; p. 1255.
- Tin and tin plates, Sheet. Clark-Smith Hardware Company. No. 91,848; June 3; Gaz. vol. 191; p. 287.
- Tire benders and shrinkers. Illinois Iron & Bolt Co. No. 93,445; Sept. 16; Gaz. vol. 194; p. 740.
- Tire-filler compound. Airease Tire Filler Company. No. 90,618; Mar. 11; Gaz. vol. 188; p. 509.
- Tire-fillers. O. M. Mackie. No. 93,638; Oct. 7; Gaz. vol. 195; p. 271.
- Tire inner tubes. The Republic Rubber Company. Nos. 91,249-50; Apr. 22; Gaz. vol. 189; p. 1028.
- Tires and parts thereof and rubber tubing of all descriptions, Rubber. Lee Tire and Rubber Co. No. 93,549; Sept. 23; Gaz. vol. 194; p. 948.
- Tires and rubber hose, Pneumatic. Morley Brothers. No. 91,226; Apr. 22; Gaz. vol. 189; p. 1027.
- Tires and rubber tubes for bicycles, &c. The Diamond Rubber Company. Nos. 92,193-4; June 24; Gaz. vol. 191; p. 1062.
- Tires and tire-shoes, Rubber. Batavia Rubber Company. No. 90,155; Feb. 11; Gaz. vol. 187; p. 507.
- Tires and tubing, inner tubes and cases, and valve-patches, Rubber. Lee Tire & Rubber Co. No. 94,734; Dec. 30; Gaz. vol. 197; p. 1288.
- Tires, Composition for preventing leakage of air through punctures in pneumatic. Sealo Tire Company. No. 92,723; July 22; Gaz. vol. 192; p. 986.
- Tires, Compound for sealing punctures in inflatable. The Tire Treatment Company. No. 94,693; Dec. 23; Gaz. vol. 197; p. 994.
- Tires, Elastic wheel. Vacumit-Gesellschaft m. b. H. No. 94,132; Nov. 4; Gaz. vol. 196; p. 271.
- Tires, inner tubes, and reliners, Rubber. Atlas Tire Company. No. 91,307; Apr. 29; Gaz. vol. 189; p. 1275.
- Tires, Liquid filler for pneumatic. American Manufacturing and Distributing Company. No. 94,046; Nov. 4; Gaz. vol. 196; p. 269.
- Tires, Material for filling automobile. The Essenkey Company. No. 90,178; Feb. 11; Gaz. vol. 187; p. 507.
- Tires of all kinds and parts thereof. Continental-Caoutchouc- und Gutta-Percha-Compagnie. No. 91,854; June 3; Gaz. vol. 191; p. 287.
- Tires, Pneumatic. W. S. Daniels. No. 90,297; Feb. 18; Gaz. vol. 187; p. 823.
- Tires, Preparation for filling automobile. The Mindease Company. No. 92,568; July 15; Gaz. vol. 192; p. 739.
- Tires, Preparation for treating pneumatic. N. H. Moore. No. 94,100; Nov. 4; Gaz. vol. 196; p. 270.
- Tires, Resilient filling for. The Pragma Tyre Filling Co. No. 92,825; July 29; Gaz. vol. 192; p. 1257.
- Tires, Rubber. The Diamond Rubber Company. No. 89,820; Jan. 14; Gaz. vol. 186; p. 552.
- Tires, Rubber. The Diamond Rubber Company. Nos. 89,825-8; Jan. 14; Gaz. vol. 186; p. 552.
- Tires, Rubber. The Fisk Rubber Company. No. 92,885; Aug. 5; Gaz. vol. 193; p. 215.
- Tires, Rubber. Ungarische Gummiwaarenfabriks Actiengesellschaft. No. 94,774; Dec. 30; Gaz. vol. 197; p. 1289.
- Tires, Rubber automobile. Sears, Roebuck & Co. No. 92,134; June 17; Gaz. vol. 191; p. 828.
- Tires, rubber valves, and air-tubes for tires. Felten & Guilleaume Carlswerk Actien-Gesellschaft. No. 94,724; Dec. 30; Gaz. vol. 197; p. 1287.
- Tires, Rubber vehicle. Federal Rubber Manufacturing Co. No. 90,524; Mar. 4; Gaz. vol. 188; p. 238.
- Tires, Rubber vehicle. The Portage Rubber Company. No. 93,202; Aug. 26; Gaz. vol. 193; p. 1012.
- Tires, Rubber vehicle. Morgan & Wright. No. 94,101; Nov. 4; Gaz. vol. 196; p. 270.
- Tires, tubes, patches, &c., Rubber. Lee Tire & Rubber Co. No. 93,493; Sept. 16; Gaz. vol. 194; p. 741.
- Tires, Vehicle. Century Rubber Trading Company. No. 92,182; June 24; Gaz. vol. 191; p. 1061.
- Tires, wheels, axles, shafts, and springs, Vehicle. Fried. Krupp Aktiengesellschaft. No. 93,346; Sept. 9; Gaz. vol. 194; p. 545.
- Tobacco. J. Braunberger. No. 90,158; Feb. 11; Gaz. vol. 187; p. 507.
- Tobacco and cigarettes. "Kios" Cigaretten- & Tabak-Import-Engros Fabrik türk. Tabake u. Cigaretten E. Robert Böhme. Nos. 92,683-4; July 22; Gaz. vol. 192; p. 985.
- Tobacco and cigarettes. Compagnie Laferme Tabak- und Cigaretten-Fabriken. No. 94,426; Dec. 9; Gaz. vol. 197; p. 527.
- Tobacco, Chewing. B. F. Treahy. No. 94,568; Dec. 16; Gaz. vol. 197; p. 778.

Alphabetical list of trade-marks—Continued.

- Tobacco-flavoring compound. J. Yenn. No. 94,343; Nov. 25; Gaz. vol. 196; p. 1049.
- Tobacco, Long-cut. The American Tobacco Company. No. 89,975; Jan. 28; Gaz. vol. 186; p. 981.
- Tobacco products, Certain named. R. Sadi. No. 94,117; Nov. 4; Gaz. vol. 196; p. 271.
- Tobacco, Smoking-. G. S. Mahn. No. 91,887; June 3; Gaz. vol. 191; p. 288.
- Tobacco, Smoking-. The Surbrug Company. No. 93,616; Sept. 30; Gaz. vol. 194; p. 1138.
- Tobacco, Smoking-. The Surbrug Company. No. 94,222; Nov. 11; Gaz. vol. 196; p. 523.
- Tobacco, Twist and smoking. The Fluhrer Bros. Tobacco Company. No. 93,708; Oct. 14; Gaz. vol. 195; p. 534.
- Tobaccos, cigars, and cigarettes. G. Pisapia. No. 92,711; July 22; Gaz. vol. 192; p. 985.
- Tobaccos, Smoking and chewing. The Krummel Tobacco Company. No. 92,898; Aug. 5; Gaz. vol. 193; p. 216.
- Toilet preparation. Citro Chemical Co. No. 91,646; May 20; Gaz. vol. 190; p. 787.
- Toilet preparation for cleansing the pores of the skin. P. M. Ribelin. No. 94,253; Nov. 18; Gaz. vol. 196; p. 801.
- Toilet preparations. P. P. Luzier. No. 90,654; Mar. 11; Gaz. vol. 188; p. 510.
- Toilet preparations. Ernste Mfg. Co. No. 91,181; Apr. 22; Gaz. vol. 189; p. 1026.
- Toilet preparations. V Co. No. 92,601; July 15; Gaz. vol. 192; p. 740.
- Toilet preparations, Certain named. Secret of Beauty Mfg. Company. No. 90,384; Feb. 18; Gaz. vol. 187; p. 826.
- Toilet preparations, Certain named. Hall-Van Gorder Co. No. 93,239; Aug. 26; Gaz. vol. 193; p. 1013.
- Toilet preparations, Certain named. Richard Hudnut. No. 94,639; Dec. 23; Gaz. vol. 197; p. 993.
- Toilet preparations, Certain named. The Marinello Company. No. 94,790; Dec. 30; Gaz. vol. 197; p. 1289.
- Toilet requisites, toilet and tooth powder, &c., Infants'. Geo. Borgfeldt & Co. No. 93,961; Oct. 28; Gaz. vol. 195; p. 1045.
- Toilet water. R. Hudnut. No. 90,641; Mar. 11; Gaz. vol. 188; p. 509.
- Toilet water. A. et M. Landon. No. 94,647; Dec. 23; Gaz. vol. 197; p. 993.
- Toilet water and extracts and perfumes. G. Agnel Company. No. 90,670; Mar. 18; Gaz. vol. 188; p. 803.
- Toilet waters and perfumes. H. H. Ayer. No. 91,153; Apr. 22; Gaz. vol. 189; p. 1025.
- Toilet waters and perfumes. Melba Manufacturing Company. Nos. 94,191-3; Nov. 11; Gaz. vol. 196; p. 522.
- Tomato paste. J. Cusimano. No. 92,755; July 29; Gaz. vol. 192; p. 1255.
- Tonic and blood-purifier. B. D. Tolson. No. 93,048; Aug. 12; Gaz. vol. 193; p. 506.
- Tonic beverage and syrup and powder for making same, Carbonated. C. M. & R. Manufacturing Company. No. 94,512; Dec. 9; Gaz. vol. 197; p. 530.
- Tonic beverage and syrup for making the same. The Parfay Company. No. 91,598; May 13; Gaz. vol. 190; p. 544.
- Tonic beverages. Maysville Syrup Company. No. 94,013; Oct. 28; Gaz. vol. 195; p. 1046.
- Tonic beverages and flavors for beverages. C. T. O'Brien. No. 90,235; Feb. 11; Gaz. vol. 187; p. 509.
- Tonic beverages and syrups for the same. O. E. Lewis. No. 89,758; Jan. 7; Gaz. vol. 186; p. 285.
- Tonic bitters. Angostura Bitters (Dr. J. G. B. Siegert & Sons). No. 90,152; Feb. 11; Gaz. vol. 187; p. 507.
- Tonic blood-purifier. A. Pontecorvo. No. 91,999; June 10; Gaz. vol. 191; p. 583.
- Tonic for animals and poultry. The W. A. Jenkins Mfg. Co. No. 94,382; Dec. 2; Gaz. vol. 197; p. 236.
- Tonic for the blood, liver, and kidneys. R. D. Grissiom. No. 90,697; Mar. 18; Gaz. vol. 188; p. 804.
- Tonic, General body-. Vernon Pharmacal Co. No. 91,432; Apr. 29; Gaz. vol. 189; p. 1279.
- Tonic, Hematinic. Farbenfabriken of Elberfeld Company. No. 91,419; Apr. 29; Gaz. vol. 189; p. 1278.
- Tonic, Laxative. T. A. Hanlan. No. 92,771; July 29; Gaz. vol. 192; p. 1255.
- Tonic, Nerve-. E. N. Siskind. No. 89,958; Jan. 21; Gaz. vol. 186; p. 794.
- Tonic, pill, and ointment. Chill-. W. E. Bevens. No. 93,959; Oct. 28; Gaz. vol. 195; p. 1045.
- Tonic to be used as a temperance drink. L. Jones. No. 92,342; July 1; Gaz. vol. 192; p. 212.
- Tools and parts thereof, Certain named machinery and. Felten & Guillaume Carlswerk Actien-Gesellschaft. No. 94,362; Dec. 2; Gaz. vol. 197; p. 235.
- Tools, Certain. Vaughan & Bushnell. No. 93,223; Aug. 26; Gaz. vol. 193; p. 1013.
- Tools, Certain named. The Collins Company. No. 90,097; Feb. 4; Gaz. vol. 187; p. 227.
- Tools, Certain named. Henry Disston & Sons. No. 90,101; Feb. 4; Gaz. vol. 187; p. 227.
- Tooth-paste. J. T. White. No. 92,022; June 10; Gaz. vol. 191; p. 584.
- Tooth-paste and mouth-wash. J. H. Schell. No. 92,269; June 24; Gaz. vol. 191; p. 1064.
- Tooth-paste, powders, face-creams, and perfumery. Hebe's Boudoir Corporation. No. 94,374; Dec. 2; Gaz. vol. 197; p. 236.
- Tooth powder and paste, talcum powder, and toilet water. Allan Chemical Company. No. 93,584; Sept. 30; Gaz. vol. 194; p. 1137.
- Toothpicks. New England Selling Co. No. 91,593; May 13; Gaz. vol. 190; p. 544.
- Toothpicks. Stone-Ordean-Wells Company. No. 92,735; July 22; Gaz. vol. 192; p. 986.
- Toothpicks. Stone-Ordean-Wells Company. No. 92,738; July 22; Gaz. vol. 192; p. 986.
- Toothpicks. New England Selling Co. No. 92,904; Aug. 5; Gaz. vol. 193; p. 216.
- Toothpicks. A. Herz. No. 94,082; Nov. 4; Gaz. vol. 196; p. 270.
- Toothpicks. Nave-McCord Mercantile Co. No. 94,250; Nov. 18; Gaz. vol. 196; p. 801.
- Toothpicks, eye-shades, nail clips and files. Tower Manufacturing & Novelty Co. No. 90,260; Feb. 11; Gaz. vol. 187; p. 510.
- Torpedoes, Hand-. Burmont Specialty Company. No. 93,963; Oct. 28; Gaz. vol. 195; p. 1045.
- Tow-lines, Vehicle. Broderick & Bascom Rope Company. No. 91,069; Apr. 15; Gaz. vol. 189; p. 775.
- Towels and bath-rugs, Turkish. W. H. & A. E. Margerison & Co. No. 90,905; Apr. 1; Gaz. vol. 189; p. 248.
- Toy building material. Thompson Manufacturing Co. No. 91,394; Apr. 29; Gaz. vol. 189; p. 1277.
- Toys. B. H. Thomson. No. 91,267; Apr. 22; Gaz. vol. 189; p. 1028.
- Toys. Samstag & Hilder Bros. No. 91,381; Apr. 29; Gaz. vol. 189; p. 1277.
- Toys. Koobite Toy Co. No. 91,973; June 10; Gaz. vol. 191; p. 582.
- Toys. T. Walton. No. 94,776; Dec. 30; Gaz. vol. 197; p. 1289.
- Toys, Certain named. The A. Schoenhut Company. No. 91,038; Apr. 8; Gaz. vol. 189; p. 519.
- Toys, Figure. Strauss Manufacturing Company. No. 92,739; July 22; Gaz. vol. 192; p. 986.
- Tracing-cloth. Technical Supply Company. No. 92,144; June 17; Gaz. vol. 191; p. 828.
- Tracing paper and cloth. E. Hassinger. No. 93,717; Oct. 14; Gaz. vol. 195; p. 535.
- Traction-engines. Western Implement & Motor Company. No. 93,787; Oct. 14; Gaz. vol. 195; p. 537.
- Tractors. The All in One Tractor Company. No. 91,271; Apr. 22; Gaz. vol. 189; p. 1028.
- Traps, Animal-. M. E. Turner. No. 91,272; Apr. 22; Gaz. vol. 189; p. 1028.
- Traps, Rat and mouse. Onelda Community. No. 92,359; July 1; Gaz. vol. 192; p. 212.
- Trays, boxes, and holders, Certain named. Pacific Novelty Company. No. 94,318; Nov. 25; Gaz. vol. 196; p. 1048.
- Trees, Peach-. W. P. Stark Nurseries. No. 92,478; July 8; Gaz. vol. 192; p. 513.
- Trees, plants, &c., Fruit-. Stark Bro's Nurseries & Orchards Co. No. 92,282; June 24; Gaz. vol. 191; p. 1064.
- Troches. Hance Brothers & White. No. 93,353; Sept. 9; Gaz. vol. 194; p. 546.
- Trousers. Epstein Pants Company. No. 89,916; Jan. 21; Gaz. vol. 186; p. 793.
- Trousers. Harris-Lipsitz Co. No. 90,326; Feb. 18; Gaz. vol. 187; p. 824.
- Trucks. Cowan Truck Company. No. 92,536; July 15; Gaz. vol. 192; p. 738.
- Trucks. Art Metal Construction Co. No. 94,048; Nov. 4; Gaz. vol. 196; p. 269.
- Trucks and timber-dollies, Platform-. Illinois Iron & Bolt Co. No. 90,810; Mar. 25; Gaz. vol. 188; p. 1048.
- Trucks, Motor-. Service Motor Car Company. No. 90,249; Feb. 11; Gaz. vol. 187; p. 509.
- Trunks, traveling-bags, and suitcases. P. Becker & Co. No. 92,168; June 24; Gaz. vol. 191; p. 1061.
- Trunks, traveling-bags, and suitcases. L. S. Ayres and Company. No. 93,664; Oct. 14; Gaz. vol. 195; p. 533.
- Trunks, traveling-bags, suitcases, &c. Henry Likly & Company. No. 93,366; Sept. 9; Gaz. vol. 194; p. 546.
- Tubing, hose, belting, and machinery packing. J. W. Buckley Rubber Co. No. 94,712; Dec. 30; Gaz. vol. 197; p. 1287.
- Turbines, compressors, drills, &c., and repair parts for same, Steam. Ingersoll-Rand Company. No. 94,644; Dec. 23; Gaz. vol. 197; p. 993.
- Turpentine. Globe Naval Stores Company. No. 94,074; Nov. 4; Gaz. vol. 196; p. 270.
- Turpentine. Taylor, Lowenstein & Co. No. 94,224; Nov. 11; Gaz. vol. 196; p. 523.
- Turpentine and turpentine compositions. Benzinwerke Rhenania Gesellschaft mit beschränkter Haftung. No. 91,540; May 6; Gaz. vol. 190; p. 262.
- Turpentine, Wood-. American Naval Stores Company. No. 91,442; May 6; Gaz. vol. 190; p. 259.
- Twine. Tower Manufacturing & Novelty Co. No. 90,480; Feb. 25; Gaz. vol. 187; p. 1113.
- Twine. The Linen Thread Co. No. 91,098; Apr. 15; Gaz. vol. 189; p. 776.

Alphabetical list of trade-marks—Continued.

- Twine and cord. The A. H. Hart Co. No. 90,435; Feb. 25; Gaz. vol. 187; p. 1112.
- Twine and cordage. Schermerhorn Bros. Co. No. 93,382; Sept. 9; Gaz. vol. 194; p. 547.
- Type casting, setting, and composing machines. International Typesetting Machine Company. No. 91,876; June 3; Gaz. vol. 191; p. 288.
- Type, spaces, and quads. American Type Founders Company. No. 93,801; Oct. 21; Gaz. vol. 195; p. 811.
- Type-writers. Imperial Typewriter Co. Nos. 94,642-3; Dec. 23; Gaz. vol. 197; p. 993.
- Type-writers and their parts. Metall-Industrie Schönebeck Actien-Gesellschaft. No. 94,468; Dec. 9; Gaz. vol. 197; p. 528.
- Umbrellas. L. S. Ayres and Company. No. 93,665; Oct. 14; Gaz. vol. 195; p. 533.
- Umbrellas, parasols, and canes. W. H. Beehler. No. 93,672; Oct. 14; Gaz. vol. 195; p. 533.
- Undergarments. Ye Lady's Outfitterie. No. 93,951; Oct. 21; Gaz. vol. 195; p. 815.
- Undervests, Ladies'. H. H. Condit. No. 94,604; Dec. 23; Gaz. vol. 197; p. 992.
- Undervests, Women's. E. Emmers & Co. No. 92,660; July 22; Gaz. vol. 192; p. 984.
- Underwear. L. Sinsheimer. No. 91,134; Apr. 15; Gaz. vol. 189; p. 777.
- Underwear. Fellows and Company. No. 91,334; Apr. 29; Gaz. vol. 189; p. 1276.
- Underwear. Blum Brothers. No. 91,754; May 27; Gaz. vol. 190; p. 1023.
- Underwear. J. B. Morrill. No. 91,980; June 10; Gaz. vol. 191; p. 582.
- Underwear. F. W. Kavanaugh. No. 93,862; Oct. 21; Gaz. vol. 195; p. 813.
- Underwear, Athletic. Rice-Stix Dry Goods Company. No. 92,829; July 29; Gaz. vol. 192; p. 1257.
- Underwear, Certain named. Lawrence Manufacturing Company. No. 94,733; Dec. 30; Gaz. vol. 197; p. 1287.
- Underwear, men's shirts, &c., Ladies' muslin. The Ferguson McKinney Dry Goods Co. No. 90,800; Mar. 25; Gaz. vol. 188; p. 1047.
- Union suits, drawers, shirts, &c. T. F. Baulig. No. 89,905; Jan. 21; Gaz. vol. 186; p. 793.
- Vacuum-cleaners and carpet-sweepers. B. E. Harris. No. 94,373; Dec. 2; Gaz. vol. 197; p. 236.
- Valve-grinding paste. E. W. Hill. No. 94,447; Dec. 9; Gaz. vol. 197; p. 528.
- Valves and couplings, Metal gate. Walworth Manufacturing Co. No. 91,532; May 6; Gaz. vol. 190; p. 261.
- Valves, Flush-. B. F. Goodrich Company. No. 92,335; July 1; Gaz. vol. 192; p. 211.
- Valves, Gas-engine. Lydon Manufacturing Company. No. 93,100; Aug. 19; Gaz. vol. 193; p. 750.
- Valves, Gate. Chapman Valve Manufacturing Company. No. 91,846; June 3; Gaz. vol. 191; p. 287.
- Valves, joints, collars, and valve-fittings. The Continental Supply Company. No. 89,912; Jan. 21; Gaz. vol. 186; p. 793.
- Valves, Metal. The Oven Equipment and Manufacturing Company. No. 89,944; Jan. 21; Gaz. vol. 186; p. 794.
- Valves or steam-controlling devices for heating systems. Ward Equipment Company. No. 90,068; Jan. 28; Gaz. vol. 186; p. 983.
- Valves, pipe couplings and fittings, and closet-tanks. J. A. Murphy. No. 92,101; June 17; Gaz. vol. 191; p. 827.
- Varnish. Keystone Varnish Co. No. 91,774; May 27; Gaz. vol. 190; p. 1024.
- Varnish. Adams & Elting Company. No. 91,830; June 3; Gaz. vol. 191; p. 287.
- Varnish. M. G. Mock. No. 91,978; June 10; Gaz. vol. 191; p. 582.
- Varnish. Adams & Elting Company. No. 92,496; July 15; Gaz. vol. 192; p. 737.
- Varnish. C. S. Edwards & Company. No. 92,657; July 22; Gaz. vol. 192; p. 984.
- Varnish-remover. W. E. Brickman. No. 93,681; Oct. 14; Gaz. vol. 195; p. 533.
- Varnish-stain. The Marietta Paint & Color Co. No. 94,189; Nov. 11; Gaz. vol. 196; p. 522.
- Varnish-surfaces, Preparation for renewal of. J. S. Nicholas & Son Polish Co. No. 94,197; Nov. 11; Gaz. vol. 196; p. 522.
- Varnishes. Berry Brothers. No. 92,782; July 29; Gaz. vol. 192; p. 1256.
- Varnishes. Standard Oil Company of New York. No. 94,499; Dec. 9; Gaz. vol. 197; p. 529.
- Varnishes and enamels. Twin City Varnish Company. No. 91,048; Apr. 8; Gaz. vol. 189; p. 520.
- Varnishes, stains, varnish-removers, &c. The La Salle Varnish Co. No. 91,674; May 20; Gaz. vol. 190; p. 788.
- Varnishes, varnish-stain, enamel paint, wood-filler, &c. New Jersey Wood Finishing Company. No. 94,662; Dec. 23; Gaz. vol. 197; p. 993.
- Varnishes, wood fillers, stains, and enamels. Moller & Schumann Co. No. 94,653; Dec. 23; Gaz. vol. 197; p. 993.
- Vegetable and mineral substances and leather packing. Certain articles composed of. Felten & Guillaume Carlswerk Actien-Gesellschaft. No. 94,436; Dec. 9; Gaz. vol. 197; p. 527.
- Vegetable compound for certain named diseases. W. S. Dilworth. No. 90,317; Mar. 4; Gaz. vol. 188; p. 237.
- Vegetable substances and products. Certain. Felten & Guillaume Carlswerk Actien-Gesellschaft. No. 94,437; Dec. 9; Gaz. vol. 197; p. 528.
- Vehicle driving-chains and sprocket-wheels. Hans Renold, Limited. No. 91,695; May 20; Gaz. vol. 190; p. 789.
- Vehicle shock absorber or reducer. Maschinenfabrik Georg Schwager. No. 90,225; Feb. 11; Gaz. vol. 187; p. 509.
- Vehicle shock-absorbers. The J. M. Shock Absorber Co. Nos. 90,475-6; Feb. 25; Gaz. vol. 187; p. 1113.
- Vehicle spokes and nipples. The Standard Company. No. 91,813; May 27; Gaz. vol. 190; p. 1025.
- Vehicle top fabric. Hercules Rubber Company. No. 94,524; Dec. 9; Gaz. vol. 197; p. 530.
- Vehicles and parts thereof, Certain named. Daimler-Motoren-Gesellschaft. Nos. 93,697-8; Oct. 14; Gaz. vol. 195; p. 534.
- Vehicles and parts thereof, Certain named. Felten & Guillaume Carlswerk Actien-Gesellschaft. No. 94,363; Dec. 2; Gaz. vol. 197; p. 235.
- Vehicles, Aprons and covers for certain named. Montgomery-Washburn Company. No. 94,654; Dec. 23; Gaz. vol. 197; p. 993.
- Vehicles, Certain named parts of certain named. Brampton Brothers. No. 89,813; Jan. 14; Gaz. vol. 186; p. 551.
- Vehicles, Children's. The Morehouse Manufacturing Co. No. 91,681; May 20; Gaz. vol. 190; p. 788.
- Vehicles, not including engines. Calmon Asbestos & Rubber Works of America. No. 92,872; Aug. 5; Gaz. vol. 193; p. 215.
- Vehicles, not including engines, Certain. American Asbestos Company. No. 93,318; Sept. 9; Gaz. vol. 194; p. 545.
- Veilings and nettings. T. Tiedemann & Sons. No. 93,776; Oct. 14; Gaz. vol. 195; p. 536.
- Veilings, dress-nettings, veils, and chiffons. Flatau & Steiner. No. 93,088; Aug. 19; Gaz. vol. 193; p. 749.
- Velocipedes. Chicago Roller Skate Company. No. 90,291; Feb. 18; Gaz. vol. 187; p. 823.
- Velvets and plushes in the piece. The Salt's Textile Manufacturing Company. No. 91,803; May 27; Gaz. vol. 190; p. 1025.
- Ventilators. Galvanized Steel Cupola Co. No. 91,569; May 13; Gaz. vol. 190; p. 543.
- Ventilators. L. A. Karlson. No. 94,087; Nov. 4; Gaz. vol. 196; p. 270.
- Vermifuges. The Dr. J. H. McLean Medicine Company. No. 91,889; June 3; Gaz. vol. 191; p. 288.
- Vermin-exterminator. Coughlan Brothers. No. 94,544; Dec. 16; Gaz. vol. 197; p. 777.
- Vermuth. Société Vermouth Mont Blanc, Marone & Cie. No. 94,565; Dec. 16; Gaz. vol. 197; p. 778.
- Veterinary remedies. Iowa Stock Food Co. No. 93,241; Aug. 26; Gaz. vol. 193; p. 1013.
- Veterinary remedies. R. J. Gates. No. 93,984; Oct. 28; Gaz. vol. 195; p. 1046.
- Vibrators, Massage-. H. May & G. F. Nelson. No. 90,035; Jan. 28; Gaz. vol. 186; p. 983.
- Violin-strings. Sherman, Clay & Co. No. 91,610; May 13; Gaz. vol. 190; p. 545.
- Violin-strings. R. L. Mattoch. No. 93,454; Sept. 16; Gaz. vol. 194; p. 740.
- Wafers, cakes, crackers, and biscuits. Sawyer Biscuit Company. No. 92,833; July 29; Gaz. vol. 192; p. 1257.
- Wafers, Filled. W. C. Van der Kaaij. No. 90,443; Feb. 25; Gaz. vol. 187; p. 1112.
- Wafers, Sugar-. The Geo. H. Strietmann's Sons Company. No. 93,305; Sept. 2; Gaz. vol. 194; p. 270.
- Wagon-dumps. The Meadows Mfg. Co. No. 93,884; Oct. 21; Gaz. vol. 195; p. 813.
- Wagon shoveling-boards. John Deere Plow Company of Moline. No. 92,651; July 22; Gaz. vol. 192; p. 984.
- Wagons and wagon-boxes. John Deere Plow Company of Moline. No. 90,971; Apr. 8; Gaz. vol. 189; p. 517.
- Waists and tub or wash dresses. Hynard & Meehan. No. 90,117; Feb. 4; Gaz. vol. 187; p. 228.
- Waists, Ladies'. Sterne & Klein Co. No. 90,141; Feb. 4; Gaz. vol. 187; p. 228.
- Wall-board. The Upson Company. No. 93,398; Sept. 9; Gaz. vol. 194; p. 547.
- Wall coating, Interior-. L. O. Smith. No. 90,752; Mar. 18; Gaz. vol. 188; p. 805.
- Wall-paper and calcimine remover. C. C. Hutchins. No. 90,891; Apr. 1; Gaz. vol. 189; p. 248.
- Wash for the mouth and teeth. J. A. Selby. No. 93,564; Sept. 23; Gaz. vol. 194; p. 948.
- Washboards. Stone-Ordean-Wells Company. No. 93,132; Aug. 19; Gaz. vol. 193; p. 751.
- Washboilers. M. Kamenstein. No. 90,444; Feb. 25; Gaz. vol. 187; p. 1112.
- Washboilers. M. Kamenstein. No. 90,994; Apr. 8; Gaz. vol. 189; p. 518.
- Washing and bleaching fluid and disinfectant. E. P. Wenner. No. 91,828; May 27; Gaz. vol. 190; p. 1025.
- Washing compound. Paragon Washing Compound Co. No. 92,114; June 17; Gaz. vol. 191; p. 827.
- Washing device, Metal. S. Gorski. No. 94,076; Nov. 4; Gaz. vol. 196; p. 270.

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- Washing fluid. S. Traynham. No. 90,601; Mar. 4; Gaz. vol. 188; p. 240.
- Washing fluid. A. B. Mackey. No. 92,436; July 8; Gaz. vol. 192; p. 512.
- Washing machines and wringers, Laundry. The Victor Manufacturing Co. No. 92,603; July 15; Gaz. vol. 192; p. 740.
- Washing machines, Laundry. C. Keck Manufacturing Co. No. 89,853; Jan. 14; Gaz. vol. 186; p. 553.
- Washing machines, Laundry. Dexter Manufacturing Company. No. 90,973; Apr. 8; Gaz. vol. 189; p. 518.
- Washing machines, Laundry. G. H. Huenergardt. No. 91,487; May 6; Gaz. vol. 190; p. 260.
- Washing machines, Laundry. Utahna Development Company. No. 92,016; June 10; Gaz. vol. 191; p. 583.
- Washing machines, Laundry. The Easiest Way Manufacturing Company. No. 92,967; Aug. 12; Gaz. vol. 193; p. 504.
- Washing machines, Laundry. Altorfer Bros. Company. Nos. 93,655-6; Oct. 14; Gaz. vol. 195; p. 533.
- Washing-paste. G. Gray. No. 92,890; Aug. 5; Gaz. vol. 193; p. 216.
- Washing-powder. The Kleenser Co. No. 91,491; May 6; Gaz. vol. 190; p. 260.
- Washing-powder. R. A. Land. No. 92,085; June 17; Gaz. vol. 191; p. 826.
- Washing-powders. J. R. Allen. No. 90,773; Mar. 25; Gaz. vol. 188; p. 1047.
- Washing preparation. T. Thoin. No. 90,259; Feb. 11; Gaz. vol. 187; p. 510.
- Wastes and overflows. American Pin Company. No. 91,443; May 6; Gaz. vol. 190; p. 259.
- Watch cases, movements, and parts. Ancienne Fabrique Vacheron & Constantin Société Anonyme. No. 91,306; Apr. 29; Gaz. vol. 189; p. 1275.
- Watch cases, movements, and parts. Ancienne Fabrique Vacheron & Constantin Société Anonyme. No. 91,444; May 6; Gaz. vol. 190; p. 259.
- Watch-chains and pendant-bows for watches, Certain attachments for. H. Paulson. No. 93,609; Sept. 30; Gaz. vol. 194; p. 1137.
- Watch-movements. The Rockford Watch Co. No. 93,205; Aug. 26; Gaz. vol. 193; p. 1012.
- Watch-movements. Elgin National Watch Company. No. 93,432; Sept. 16; Gaz. vol. 194; p. 739.
- Watches. L. K. Liggett Company. No. 90,451; Feb. 25; Gaz. vol. 187; p. 1112.
- Watches. Eska Manufacturing Co. No. 93,433; Sept. 16; Gaz. vol. 194; p. 739.
- Watches. The D. Gruen, Sons & Company. No. 94,631; Dec. 23; Gaz. vol. 197; p. 993.
- Watches and clocks. Tower Manufacturing & Novelty Co. No. 91,526; May 6; Gaz. vol. 190; p. 261.
- Watches and clocks. Robt. H. Ingersoll & Bro. No. 91,772; May 27; Gaz. vol. 190; p. 1024.
- Watches and clocks. R. H. Ingersoll & Bro. No. 93,997; Oct. 28; Gaz. vol. 195; p. 1046.
- Watches and watchcases. Hipp, Didisheim & Bro. No. 92,796; July 29; Gaz. vol. 192; p. 1256.
- Watchcases. The Wadsworth Watch Case Company. No. 93,619; Sept. 30; Gaz. vol. 194; p. 1138.
- Water and ginger-ale, Carbonated and mineral. Bethesda Mineral Spring Co. No. 91,065; Apr. 15; Gaz. vol. 189; p. 775.
- Water and ginger-ale, Mineral. Bethesda Mineral Spring Co. No. 91,163; Apr. 22; Gaz. vol. 189; p. 1025.
- Water, Artificially-prepared mineral. Diamond Chemical Company. No. 90,688; Mar. 18; Gaz. vol. 188; p. 803.
- Water, Bottled spring. D. W. Anderson. No. 92,032; June 17; Gaz. vol. 191; p. 825.
- Water-closet tanks. Standard Sanitary Mfg. Co. No. 92,137; June 17; Gaz. vol. 191; p. 828.
- Water, Distilled. Standard Water System Co. No. 92,918; Aug. 5; Gaz. vol. 193; p. 216.
- Water-heaters. Pittsburgh Water Heater Company. No. 90,917; Apr. 1; Gaz. vol. 189; p. 248.
- Water-heaters, Automatic. American Stove Company. No. 90,863; Apr. 1; Gaz. vol. 189; p. 247.
- Water-heaters, Instantaneous. Pittsburgh Water Heater Company. No. 92,456; July 8; Gaz. vol. 192; p. 513.
- Water, Mineral. J. C. Gray. No. 90,112; Feb. 4; Gaz. vol. 187; p. 228.
- Water, Mineral. Coyote Springs Mineral Water Co. No. 90,683; Mar. 18; Gaz. vol. 188; p. 803.
- Water, Mineral. Berkshire Springs Co. No. 94,711; Dec. 30; Gaz. vol. 197; p. 1287.
- Water, Natural mineral. Potash Sulphur Springs. No. 90,053; Jan. 28; Gaz. vol. 186; p. 983.
- Water, Natural mineral. H. W. Lange and Son. No. 90,897; Apr. 1; Gaz. vol. 189; p. 248.
- Water, Natural spring. A. P. McGraw. No. 89,937; Jan. 21; Gaz. vol. 186; p. 794.
- Water or rain proof wearing-apparel. The Express Rubber Co. No. 90,799; Mar. 25; Gaz. vol. 188; p. 1047.
- Water purifying and treating materials. The Permutit Company. No. 94,665; Dec. 23; Gaz. vol. 197; p. 993.
- Water, Radio-active table. S. Sochocky. No. 91,429; Apr. 29; Gaz. vol. 189; p. 1278.
- Water-softener. Philo-Hay Specialties Co. No. 93,753; Oct. 14; Gaz. vol. 195; p. 536.
- Water, Spring. C. Fegely. No. 90,181; Feb. 11; Gaz. vol. 187; p. 507.
- Water-sterilizing apparatus. Societe Nouvelle des Sterilisateur Cartault. No. 94,253; Nov. 18; Gaz. vol. 196; p. 801.
- Waters and beverage compositions made therefrom, Mineral. F. H. Fowler. No. 93,269; Sept. 2; Gaz. vol. 194; p. 269.
- Waters, Mineral. Koenigl. Mineralbrunnen Siemens Erben. No. 92,083; June 17; Gaz. vol. 191; p. 826.
- Waters, Mineral. Koenigl. Mineralbrunnen Siemens Erben. No. 92,803; July 29; Gaz. vol. 192; p. 1256.
- Waters, Sparkling table. Mount Kisco Bottling Co. No. 93,743; Oct. 14; Gaz. vol. 195; p. 535.
- Waterproof, Composition for making certain named construction materials. Standard Paint Company. No. 92,008; June 10; Gaz. vol. 191; p. 583.
- Waterproof, Composition for rendering certain named construction materials. Impervious Products Company. No. 91,967; June 10; Gaz. vol. 191; p. 582.
- Waterproof fabrics. J. H. Meyer & Co. No. 94,469; Dec. 9; Gaz. vol. 197; p. 528.
- Waterproofing solution or filler. E. E. Blackman. No. 89,734; Jan. 7; Gaz. vol. 186; p. 285.
- Wave-meters and electrical measuring instruments. Gesellschaft fur Drahtlose Telegraphie, m. b. H. No. 94,726; Dec. 30; Gaz. vol. 197; p. 1287.
- Wax and polishing material, Floor. M. A. Walsh. No. 94,229; Nov. 11; Gaz. vol. 196; p. 523.
- Wax, Mineral. Strohmeyer & Arpe Company. No. 90,390; Feb. 18; Gaz. vol. 187; p. 826.
- Wax, Mineral. Strohmeyer & Arpe Company. No. 91,430; Apr. 29; Gaz. vol. 189; p. 1278.
- Wax, Mineral. Ant. Himmelbauer & Co. No. 92,311; July 1; Gaz. vol. 192; p. 211.
- Wax, Mineral. Strohmeyer & Arpe Company. No. 90,503; Dec. 9; Gaz. vol. 197; p. 530.
- Waxes, Laundry. La France Manufacturing Company. No. 90,856; Mar. 25; Gaz. vol. 188; p. 1049.
- Weather-strips, Metal. Monarch Metal Weather Strip Company. No. 90,722; Mar. 18; Gaz. vol. 188; p. 804.
- Weighted material for dressmakers. The Narrow Fabric Co. No. 93,196; Aug. 26; Gaz. vol. 193; p. 1012.
- Welding and reducing rolls, pipe-balls, dies, &c. Pittsburgh Iron and Steel Foundries Company. No. 90,916; Apr. 1; Gaz. vol. 189; p. 248.
- Wheel coverings, Hand-. Goodyear Rubber Hose & Packing Company. No. 90,323; Feb. 18; Gaz. vol. 187; p. 824.
- Wheel coverings, Hand-. Goodyear Rubber Hose Company. No. 93,986; Oct. 28; Gaz. vol. 195; p. 1046.
- Wheel-rims, Vehicle. Clincher Automobile Tire Manufacturers' Association. No. 92,876; Aug. 5; Gaz. vol. 193; p. 215.
- Wheels. J. M. Kroyer. No. 93,505; Sept. 16; Gaz. vol. 194; p. 742.
- Whiskies. Burke & Co. No. 90,413; Feb. 25; Gaz. vol. 187; p. 1111.
- Whiskies. Stone Hill Wine Company. No. 93,131; Aug. 19; Gaz. vol. 193; p. 751.
- Whisky. Mellvaine & Baldwin. No. 89,867; Jan. 14; Gaz. vol. 186; p. 553.
- Whisky. O'Connor & Lyons. No. 89,942; Jan. 21; Gaz. vol. 186; p. 794.
- Whisky. Dowling Bros. No. 89,996; Jan. 28; Gaz. vol. 186; p. 981.
- Whisky. John Gillon & Co. No. 90,429; Feb. 25; Gaz. vol. 187; p. 1111.
- Whisky. Mitchell Brothers. No. 90,561; Mar. 4; Gaz. vol. 188; p. 239.
- Whisky. Jno. T. Barbee & Co. No. 90,775; Mar. 25; Gaz. vol. 188; p. 1047.
- Whisky. C. P. Moorman & Company. Nos. 90,826-7; Mar. 25; Gaz. vol. 188; p. 1048.
- Whisky. J. H. Rogers & Co. No. 90,842; Mar. 25; Gaz. vol. 188; p. 1049.
- Whisky. American Bottling Corporation. No. 91,150; Apr. 22; Gaz. vol. 189; p. 1025.
- Whisky. Casey-Swasey Co. No. 91,318; Apr. 29; Gaz. vol. 189; p. 1275.
- Whisky. The Schuster Co. No. 91,384; Apr. 29; Gaz. vol. 189; p. 1277.
- Whisky. E. E. Downham Co. No. 91,560; May 13; Gaz. vol. 190; p. 543.
- Whisky. The Schuster Company. No. 91,608; May 13; Gaz. vol. 190; p. 545.
- Whisky. Rothschild Bros. No. 91,701; May 20; Gaz. vol. 190; p. 789.
- Whisky. The Sherwood Distilling Co. Nos. 92,272-3; June 24; Gaz. vol. 191; p. 1064.
- Whisky. J. McEwan & Co. No. 92,357; July 1; Gaz. vol. 192; p. 212.
- Whisky. S. E. Walker. No. 92,784; July 22; Gaz. vol. 192; p. 987.
- Whisky. R. Coane. No. 93,074; Aug. 19; Gaz. vol. 193; p. 749.
- Whisky. American Bottling Corporation. No. 93,253; Sept. 2; Gaz. vol. 194; p. 269.
- Whisky. Evans-Smith Drug Co. No. 94,434; Dec. 9; Gaz. vol. 197; p. 527.
- Whisky. The Governor and Company of Adventurers of England Trading into Hudson's Bay. No. 94,444; Dec. 9; Gaz. vol. 197; p. 528.

Alphabetical list of trade-marks—Continued.

- Whisky and gin. Waldorf-Astoria Importation Company. No. 91,278; Apr. 22; Gaz. vol. 189; p. 1028.
- Whisky and gin. L. Beck. No. 92,391; July 8; Gaz. vol. 192; p. 511.
- Whisky, Blend. Adams, Taylor & Co. No. 94,044; Nov. 4; Gaz. vol. 196; p. 269.
- Whisky, Blended. S. G. Atkins Co. No. 90,087; Feb. 4; Gaz. vol. 187; p. 227.
- Whisky, Blended. J. J. O'Connor, Inc. No. 91,237; Apr. 22; Gaz. vol. 189; p. 1027.
- Whisky, Blended. H. L. Griesedieck Distilling Co. No. 92,669; July 22; Gaz. vol. 192; p. 984.
- Whisky, brandy, and gin. W. W. Keefer. No. 90,711; Mar. 18; Gaz. vol. 188; p. 804.
- Whisky, gin, and brandy. J. Wehl. No. 92,491; July 8; Gaz. vol. 192; p. 514.
- Whisky, Straight. The J. & G. Butler Co. No. 94,056; Nov. 4; Gaz. vol. 196; p. 269.
- Whist scoring-pads, receipt-books, check-books, &c. Tower Manufacturing & Novelty Co. No. 91,270; Apr. 22; Gaz. vol. 189; p. 1028.
- Wigs, toupees, puffs, and switches. F. A. Schmidt. No. 90,929; Apr. 1; Gaz. vol. 189; p. 249.
- Windmills. L. Alexander. No. 94,263; Nov. 25; Gaz. vol. 196; p. 1047.
- Window-ventilators. Universal Ventilating Company. No. 90,482; Feb. 25; Gaz. vol. 187; p. 1113.
- Windows. Austral Window Company. No. 94,586; Dec. 23; Gaz. vol. 197; p. 991.
- Windows, sashes, frames, and fixtures. Simplex Window Co. No. 93,764; Oct. 14; Gaz. vol. 195; p. 536.
- Wine. F. T. Martens. No. 92,092; June 17; Gaz. vol. 191; p. 827.
- Wine. J. Petrocelli & Company. No. 94,747; Dec. 30; Gaz. vol. 197; p. 1288.
- Wine. The Sweet Valley Wine Co. No. 94,771; Dec. 30; Gaz. vol. 197; p. 1289.
- Wine. The Theobald and Son Co. No. 94,773; Dec. 30; Gaz. vol. 197; p. 1289.
- Wine, Altar-. Brotherhood Wine Company. No. 93,591; Sept. 30; Gaz. vol. 194; p. 1137.
- Wine and champagne, Claret-. D. Antolini & Co. No. 91,633; May 20; Gaz. vol. 190; p. 787.
- Wine, Aperitive. E. Dubonnet & de la Bussière. No. 91,561; May 13; Gaz. vol. 190; p. 543.
- Wine, Champagne-. L. O. Roederer. No. 89,948; Jan. 21; Gaz. vol. 186; p. 794.
- Wine, German. A. D. Shaw & Co. No. 93,301; Sept. 2; Gaz. vol. 194; p. 270.
- Wine, Port-. Niepoort & Co. No. 93,197; Aug. 26; Gaz. vol. 193; p. 1012.
- Wine, Port-. C. Berry & Co. No. 94,348; Dec. 2; Gaz. vol. 197; p. 235.
- Wine, Port and sherry. Geo. G. Sandeman, Sons & Co. No. 90,925; Apr. 1; Gaz. vol. 189; p. 249.
- Wine, Port and sherry. Geo. G. Sandeman, Sons & Co. No. 91,129; Apr. 15; Gaz. vol. 189; p. 777.
- Wine, Port and sherry. Bodega. No. 91,753; May 27; Gaz. vol. 190; p. 1023.
- Wine, Sherry-. Geo. G. Sandeman, Sons & Co. No. 91,703; May 20; Gaz. vol. 190; p. 789.
- Wine, Sherry-. A. D. Shaw & Co. No. 91,908; June 3; Gaz. vol. 191; p. 289.
- Wine, Sherry-. J. Wile, Sons & Co. No. 92,857; July 29; Gaz. vol. 192; p. 1258.
- Wine, Sherry-. C. Berry & Co. No. 94,349; Dec. 2; Gaz. vol. 197; p. 235.
- Wine, Sherry and port. M. A. Snow. No. 91,811; May 27; Gaz. vol. 190; p. 1025.
- Wines. Società Vinicola Italiana. No. 89,959; Jan. 21; Gaz. vol. 186; p. 794.
- Wines. John Bardenheier Wine & Liquor Company. No. 89,979; Jan. 28; Gaz. vol. 186; p. 981.
- Wines. The Youngtown Grocery Co. No. 90,770; Mar. 18; Gaz. vol. 188; p. 806.
- Wines. J. Calvet & Co. No. 90,790; Mar. 25; Gaz. vol. 188; p. 1047.
- Wines. The Sweet Valley Wine Co. No. 91,393; Apr. 29; Gaz. vol. 189; p. 1277.
- Wines. Sweet Valley Wine Co. No. 91,816; May 27; Gaz. vol. 190; p. 1025.
- Wines. Donnelly Brothers. No. 92,410; July 8; Gaz. vol. 192; p. 511.
- Wines. A. Voltter. No. 93,054; Aug. 12; Gaz. vol. 193; p. 506.
- Wines, Altar-. Novitiate of the Sacred Heart. Nos. 90,369-70; Feb. 18; Gaz. vol. 187; p. 825.
- Wines, Certain named. I. Goldberg. Nos. 92,065-6; June 17; Gaz. vol. 191; p. 826.
- Wire. Felten & Guillaume Carlswerk Actien-Gesellschaft. No. 93,706; Oct. 14; Gaz. vol. 195; p. 534.
- Wire and wire strings for pianofortes, &c., Steel. Felten & Guillaume Carlswerk Actien-Gesellschaft. No. 93,705; Oct. 14; Gaz. vol. 195; p. 534.
- Wire, Copper. The American Brass Company. No. 92,777; July 29; Gaz. vol. 192; p. 1255.
- Wire, Copper. The American Brass Company. No. 94,148; Nov. 11; Gaz. vol. 196; p. 521.
- Wire, Resistance-. Murray Wire Co. Nos. 94,656-8; Dec. 23; Gaz. vol. 197; p. 993.
- Wood, Artificial. Wuerth Tekton-Werke G. m. b. H. No. 92,929; Aug. 5; Gaz. vol. 193; p. 217.
- Wood, Artificial. Hannoversche Steinhofzfabrik "Fama" Gesellschaft mit beschränkter Haftung. No. 94,372; Dec. 2; Gaz. vol. 197; p. 236.
- Wood, Composite sheets of. Luterma G. m. b. H. No. 91,224; Apr. 22; Gaz. vol. 189; p. 1027.
- Wood, Compound sheets of. Venesta Limited. No. 93,052; Aug. 12; Gaz. vol. 193; p. 506.
- Wood, Imitation. Manning, Bowman & Co. No. 94,464; Dec. 9; Gaz. vol. 197; p. 528.
- Wood-polishing substance. A. C. Jones. No. 90,343; Feb. 18; Gaz. vol. 187; p. 825.
- Wood-preserved, Liquid chemical. W. D. Foss. No. 93,709; Oct. 14; Gaz. vol. 195; p. 534.
- Wood-preservers. The Reeves Company. No. 94,397; Dec. 2; Gaz. vol. 197; p. 236.
- Wood-preserving preparation. Lyster Chemical Co. No. 93,452; Sept. 16; Gaz. vol. 194; p. 740.
- Wood-pulp. M. Gottesman & Son. No. 94,077; Nov. 4; Gaz. vol. 196; p. 270.
- Wool in skeins for knitting. Norddeutsches Wollkammerel & Kammgarnspinnerei. No. 91,298; Apr. 22; Gaz. vol. 189; p. 1029.
- Wool, worsted, and hair piece material. T. C. Cullen. No. 93,265; Sept. 2; Gaz. vol. 194; p. 269.
- Woolen and worsted piece goods. Acorn Mills. No. 90,943; Apr. 8; Gaz. vol. 189; p. 517.
- Woolen cloth in the piece. Studd & Millington. No. 93,775; Oct. 14; Gaz. vol. 195; p. 536.
- Woolen piece goods. American Woolen Company. Nos. 90,402-4; Feb. 25; Gaz. vol. 187; p. 1111.
- Woolen piece goods. United States Worsted Co. No. 90,934; Apr. 1; Gaz. vol. 189; p. 249.
- Woolen piece goods. American Woolen Company. No. 90,951; Apr. 8; Gaz. vol. 189; p. 517.
- Woolen piece goods. American Woolen Company. Nos. 91,288-90; Apr. 22; Gaz. vol. 189; p. 1029.
- Woolen piece goods. Ricketts & Shaw. No. 91,797; May 27; Gaz. vol. 190; p. 1024.
- Woolen piece goods. French River Textile Company. No. 92,415; July 8; Gaz. vol. 192; p. 512.
- Woolen piece goods. Haas Brothers. No. 93,349; Sept. 9; Gaz. vol. 194; p. 546.
- Woolen piece goods. A. I. Mitchell. No. 94,016; Oct. 28; Gaz. vol. 195; p. 1046.
- Woolen, worsted, and cotton piece goods. B. W. Greer. No. 93,988; Oct. 28; Gaz. vol. 195; p. 1046.
- Woolen, worsted, &c., piece goods. Aetna Mills. No. 93,654; Oct. 14; Gaz. vol. 195; p. 533.
- Worsted and woolen piece goods. Strathmore Worsted Mills. No. 93,391; Sept. 9; Gaz. vol. 194; p. 547.
- Woven and knitted goods, shirtings, sheetings, &c. Alden Mills. No. 92,028; June 17; Gaz. vol. 191; p. 825.
- Wrenches. Eagle Claw Wrench Co. No. 90,001; Jan. 28; Gaz. vol. 186; p. 982.
- Wrenches. Moore Drop Forging Company. No. 93,106; Aug. 19; Gaz. vol. 193; p. 750.
- Writing fluids. Acid Proof Ink Co. No. 94,143; Nov. 11; Gaz. vol. 196; p. 521.
- Writing tablets and paper. The Longwell-Cummings Co. No. 91,778; May 27; Gaz. vol. 190; p. 1024.
- Writing tablets and paper, envelopes, and papereries. Tower Manufacturing & Novelty Co. No. 94,404; Dec. 2; Gaz. vol. 197; p. 236.
- Yarn and thread. Dollfus-Mieg & Cie. Société anonyme. Nos. 90,519-20; Mar. 4; Gaz. vol. 188; p. 237.
- Yarn, Lath-. American Manufacturing Company. No. 89,973; Jan. 28; Gaz. vol. 186; p. 981.
- Yarns. Necronsett Mills. No. 92,453; July 8; Gaz. vol. 192; p. 513.
- Yarns. B. Ulmann & Co. Nos. 93,781-2; Oct. 14; Gaz. vol. 195; p. 536.
- Yarns. Jacob Frank Mercantile Co. No. 94,519; Dec. 9; Gaz. vol. 197; p. 530.
- Yarns and thread, Cotton. New England Cotton Yarn Company. No. 90,830; Mar. 25; Gaz. vol. 188; p. 1048.
- Yarns, Cotton. Dexter Yarn Company. No. 90,795; Mar. 25; Gaz. vol. 188; p. 1047.
- Yarns, crochet cotton and yarns. Knitting-. M. Hauschild. No. 92,212; June 24; Gaz. vol. 191; p. 1062.
- Yarns, threads, cords, braids, and laces. Dollfus-Mieg & Cie. Société Anonyme. No. 94,720; Dec. 30; Gaz. vol. 197; p. 1287.
- Yeast. J. A. Drayer. No. 90,798; Mar. 25; Gaz. vol. 188; p. 1047.
- Yeast. A. Haltmar. No. 90,884; Apr. 1; Gaz. vol. 189; p. 247.
- Yeast. Dauerhefe-Gesellschaft m. b. H. No. 91,326; Apr. 29; Gaz. vol. 189; p. 1275.
- Zinc stearate. Elson & Brewer. No. 91,180; Apr. 22; Gaz. vol. 189; p. 1026.
- Zinc, Stearate of. Elson & Brewer, Inc. No. 94,276; Nov. 25; Gaz. vol. 196; p. 1047.
- Zithers and guitar-zithers. The Phonoharp Company. No. 90,132; Feb. 4; Gaz. vol. 187; p. 228.
- Zwieback and cookies. Holland Rusk Co. Nos. 93,849-50; Oct. 21; Gaz. vol. 195; p. 812.

ALPHABETICAL LIST OF LABELS.

- "A C S." (For Shirts.) Salant & Salant. No. 17,209; Sept. 2; Gaz. vol. 194; p. 272.
- "A. J. Paroubek's Ristcorset." (For Bandages or Splints for the Wrist or Hand.) A. J. Paroubek. No. 17,216; Sept. 16; Gaz. vol. 194; p. 743.
- "A V." (For Alcoholic Liquors.) A. Voltter. No. 17,037; May 20; Gaz. vol. 190; p. 791.
- "Absorbine, Jr., The Antiseptic Liniment." (For Liniment.) W. F. Young. No. 16,794; Feb. 4; Gaz. vol. 187; p. 230.
- "Ackerman's Liver Aid." (For a Remedy for Liver Troubles.) B. C. Ackerman Company. No. 17,142; July 29; Gaz. vol. 192; p. 1259.
- "Aco." (For Cigars.) W. J. Armstrong Company. No. 17,797; Feb. 11; Gaz. vol. 187; p. 511.
- "Acquaries." (For a Bath-Powder.) E. T. McLean. No. 17,176; Aug. 12; Gaz. vol. 193; p. 507.
- "Adler-I-Ka Treatment." (For a Medicine.) The Adlerika Company. No. 17,143; July 29; Gaz. vol. 192; p. 1259.
- "Adrea Fringe Net." (For Hair-Nets.) A. Mittelstaedt. No. 16,974; Apr. 29; Gaz. vol. 189; p. 1280.
- "Advantage." (For Cigars.) The Moehle Lithographic Company. No. 17,008; May 13; Gaz. vol. 190; p. 546.
- "Albevanna Ponce de Leon Water." (For Water.) D. W. Anderson. No. 16,909; Apr. 8; Gaz. vol. 189; p. 521.
- "Almond Chocolate." (For Almond Chocolate.) Knickerbocker Chocolate Co. No. 17,206; Sept. 2; Gaz. vol. 194; p. 272.
- "Alpine Lawn Fine Stationery." (For Stationery.) White & Wyckoff Mfg. Co. No. 17,309; Oct. 28; Gaz. vol. 195; p. 1048.
- "Alt Heidelberg Lager Beer." (For Beer.) Columbia Brewing Co. No. 17,028; May 20; Gaz. vol. 190; p. 791.
- "American." (For Writing-Inks.) J. H. Bearns, Jr., & Co. No. 16,738; Jan. 21; Gaz. vol. 186; p. 796.
- "American Hunter." (For Games.) Strauss Manufacturing Company. No. 17,106; July 1; Gaz. vol. 192; p. 214.
- "American League." (For Whisky.) W. Albrecht. No. 17,313; Nov. 4; Gaz. vol. 196; p. 273.
- "Angell's Alligator Liniment." (For Liniment.) F. L. Angell. No. 16,970; Apr. 29; Gaz. vol. 189; p. 1280.
- "Anthony Club." (For Whisky.) Distillers Direct Supply Store. No. 16,740; Jan. 21; Gaz. vol. 186; p. 796.
- "Antiseptic Eau de Quinine." (For Antiseptic Eau de Quinin.) W. D. P. Aims, Jr. No. 17,196; Aug. 26; Gaz. vol. 193; p. 1015.
- "Antiseptic French Lilac Toilet Water." (For Toilet Water.) W. D. P. Aims, Jr. No. 17,255; Oct. 7; Gaz. vol. 195; p. 272.
- "Apex." (For Raisins.) Rosenberg Bros. & Co. No. 16,933; Apr. 15; Gaz. vol. 189; p. 778.
- "Apollo Hosiery." (For Hosiery.) S. Block & Son. No. 17,282; Oct. 21; Gaz. vol. 195; p. 816.
- "Armour's Salmon Alaska Red." (For Salmon.) Armour and Company. No. 17,317; Nov. 4; Gaz. vol. 196; p. 273.
- "Armstrong's Household Corks." (For Corks.) Armstrong Cork Company. No. 16,830; Feb. 18; Gaz. vol. 187; p. 827.
- "Artesian." (For Canned Peas.) Minnesota Valley Canning Co. No. 17,395; Dec. 9; Gaz. vol. 197; p. 531.
- "Artificial Hot Springs Home Bath." (For Medicinal Preparations.) Hot Springs Chemical Company. No. 16,814; Feb. 11; Gaz. vol. 187; p. 511.
- "Artificial Hot Springs Home Salts." (For Medicinal Preparations.) Hot Springs Chemical Company. No. 16,813; Feb. 11; Gaz. vol. 187; p. 511.
- "Ask for the Eclipse Shirt with Adjusto Sleeves." (For Shirts.) Samuel Sternberger Company. No. 17,036; May 20; Gaz. vol. 190; p. 791.
- "Association Roofing." (For Roofing.) W. W. Gurr. No. 17,109; July 8; Gaz. vol. 192; p. 515.
- "Astor Text." (For Stationery.) The National Association of Steel and Copper Plate Engravers. No. 17,427; Dec. 23; Gaz. vol. 197; p. 996.
- "Atlantis Brand Salmon Pink." (For Salmon.) Armour and Company. No. 17,315; Nov. 4; Gaz. vol. 196; p. 273.
- "Atlas Floor Oil." (For a Preparation Used on Hardwood Floors.) Barcal & Barta. No. 17,378; Dec. 9; Gaz. vol. 197; p. 531.
- "Aurora Purgative Water." (For a Purgative Water.) The New York G. & R. Laboratory. No. 17,056; June 3; Gaz. vol. 191; p. 290.
- "Auto-Inscribed." (For Music-Rolls.) National Music Roll Co. No. 17,267; Oct. 7; Gaz. vol. 195; p. 272.
- "Autol." (For a Polish.) Howell & Company. No. 17,004; May 13; Gaz. vol. 190; p. 546.
- "Avon Springs." (For Ginger-Ale.) Kellar Investment Company. No. 16,987; May 6; Gaz. vol. 190; p. 263.
- "Ball Tosser." (For a Corn Confection.) L. W. Gertrich. No. 17,257; Oct. 7; Gaz. vol. 195; p. 272.
- "Balmacaan." (For Men's and Young Men's Overcoats and Rain-Coats.) S. W. Peck & Co. No. 17,269; Oct. 7; Gaz. vol. 195; p. 272.
- "Banzai." (For Toilet-Paper.) Adirondack Tissue Paper Co. No. 16,961; Apr. 29; Gaz. vol. 189; p. 1280.
- "Beacon." (For Tomatoes.) McCready & Webster. No. 17,132; July 22; Gaz. vol. 192; p. 988.
- "Bel Vor." (For Cigars.) A. C. Henschel & Co. No. 17,302; Oct. 28; Gaz. vol. 195; p. 1048.
- "Bengal." (For Toilet-Paper.) Sauquoit Toilet Paper Co. No. 17,020; May 13; Gaz. vol. 190; p. 546.
- "Bergemaster Of Tampa." (For Cigars.) E. Berger. No. 16,859; Mar. 11; Gaz. vol. 188; p. 511.
- "Best Ever." (For Ice-Cream.) Winona Ice Cream and Butter Company. No. 16,938; Apr. 15; Gaz. vol. 189; p. 778.
- "Best Ever." (For Butter.) Winona Ice Cream and Butter Company. No. 16,993; May 6; Gaz. vol. 190; p. 263.
- "Betson's Plastic." (For Fire-Brick.) Adams & Jewell. No. 17,312; Nov. 4; Gaz. vol. 196; p. 273.
- "Big 4 Peanut Products." (For Peanut Products.) S. Singleton. No. 17,137; July 22; Gaz. vol. 192; p. 988.
- "Biltmore Linen." (For Stationery.) White & Wyckoff Mfg. Co. No. 17,253; Sept. 30; Gaz. vol. 194; p. 1139.
- "Binglong Tooth-Ache Plaster." (For Toothache-Plaster.) M. J. Hing. No. 17,111; July 8; Gaz. vol. 192; p. 515.
- "Bios-Grano." (For Bios-Grano.) C. G. Purdy. No. 17,165; Aug. 5; Gaz. vol. 193; p. 218.
- "Bismarck." (For Rhine Wine.) D. Leiden Ltd. No. 16,816; Feb. 11; Gaz. vol. 187; p. 511.
- "Bismarck Beer." (For Beer.) Interboro Brewing Company. No. 17,083; June 24; Gaz. vol. 191; p. 1066.
- "Bleach-It." (For Bleaching and Washing Powders.) Brookman Manufacturing Company. No. 16,996; May 13; Gaz. vol. 190; p. 546.
- "Blue and Gold." (For Canned Corn.) Minnesota Valley Canning Co. No. 17,393; Dec. 9; Gaz. vol. 197; p. 531.
- "Blue Bird Racing Aeroplane." (For Aeroplanes.) Ideal Aeroplane & Supply Co. No. 17,228; Sept. 23; Gaz. vol. 194; p. 950.
- "Blue Giant." (For Overalls.) Neely, Harwell & Co. No. 16,990; May 6; Gaz. vol. 190; p. 263.
- "Blue Ribbon." (For Oleomargarin.) The Ohio Butterine Co. No. 16,980; Apr. 29; Gaz. vol. 189; p. 1280.
- "Bohemian." (For Tomatoes with Purée.) Bayside Canning Co. No. 17,319; Nov. 4; Gaz. vol. 196; p. 273.
- "Bon Ton The Most Perfect Fitting Corset in the World." (For Corsets.) Royal Worcester Corset Co. No. 17,406; Dec. 9; Gaz. vol. 197; p. 531.
- "Bonny Cord Whiskey." (For Whisky.) J. M. Newcomb. No. 16,840; Feb. 18; Gaz. vol. 187; p. 827.
- "Borden's Baby Brand." (For Condensed Milk.) Borden's Condensed Milk Co. No. 16,847; Feb. 25; Gaz. vol. 187; p. 1114.
- "Breakfast Cheese." (For Cheese.) M. Uhlmann. No. 16,793; Feb. 4; Gaz. vol. 187; p. 230.
- "Bright Spot." (For Coffee.) Wm. Grossman & Co. No. 16,761; Jan. 28; Gaz. vol. 186; p. 985.
- "Britannia English Slip-On Shower-Proof Coat." (For Shower-Proof Coats.) S. W. Peck & Co. No. 17,218; Sept. 16; Gaz. vol. 194; p. 743.
- "Brooke's Hotoh." (For a Beverage.) C. M. Brooke & Sons. No. 16,940; Apr. 22; Gaz. vol. 189; p. 1030.
- "Brother of the Brush Furniture and Piano Polish." (For Furniture and Piano Polish.) F. Kolar. No. 17,102; July 1; Gaz. vol. 192; p. 214.
- "Buckeye Feeding Molasses." (For Molasses.) W. H. Edgar & Son. No. 17,039; May 27; Gaz. vol. 190; p. 1026.
- "Busy Little Bee Pills." (For Pills.) The Busy Little Bee Company. No. 17,223; Sept. 23; Gaz. vol. 194; p. 950.
- "Butter Scotch Chips." (For Candy.) T. F. Henry. No. 17,261; Oct. 7; Gaz. vol. 195; p. 272.
- "Butter Top Bread." (For Bread.) The Holland Baking Co. No. 17,295; Oct. 21; Gaz. vol. 195; p. 816.

- "Cabaret Chocolates." (For Chocolates.) The Darby Candy Company. No. 16,784; Feb. 4; Gaz. vol. 187; p. 230.
- "Cabaret Chocolates." (For Chocolate Confectionery.) P. Kline. No. 17,007; May 13; Gaz. vol. 190; p. 546.
- "Cainson." (For Flour.) J. H. Cain & Sons. No. 16,781; Feb. 4; Gaz. vol. 187; p. 230.
- "Calarab Candy Figs." (For Figs.) Bishop & Company. No. 16,939; Apr. 22; Gaz. vol. 189; p. 1030.
- "Call Boy." (For Cigars.) A. C. Henschel & Co. No. 16,942; Apr. 22; Gaz. vol. 189; p. 1030.
- "Campho-Mentho." (For a Remedy for Skin Diseases.) E. H. Walsdorf. No. 17,299; Oct. 21; Gaz. vol. 195; p. 816.
- "Capsiola." (For a Medicinal Preparation.) A. J. Barber. No. 17,171; Aug. 12; Gaz. vol. 193; p. 507.
- "Caravan." (For Toilet-Paper.) Sauquoit Toilet Paper Co. No. 16,992; May 6; Gaz. vol. 190; p. 263.
- "Carbonated Laconia Spring Water." (For Spring-Water.) New Hampshire Spring Water Co. No. 16,953; Apr. 22; Gaz. vol. 189; p. 1030.
- "Cardinal Liqueur." (For Alcoholic Liqueur.) A. Voltter. No. 17,023; May 13; Gaz. vol. 190; p. 546.
- "Carque's Nut-Cream Butter." (For Nut-Cream Butter.) O. Carque. No. 17,345; Nov. 18; Gaz. vol. 196; p. 802.
- "Casa Leo." (For Cigars.) A. C. Henschel & Company. No. 17,248; Sept. 30; Gaz. vol. 194; p. 1139.
- "Casco." (For Carbon-Remover.) C. J. Reitz. No. 17,434; Dec. 23; Gaz. vol. 197; p. 996.
- "Castrol-Lax." (For Medicated Confections.) Peck Johnson Company. No. 16,823; Feb. 11; Gaz. vol. 187; p. 511.
- "Champagne Fizz." (For a Celery Tonic.) Western Bottling and Packing Company. No. 17,026; May 13; Gaz. vol. 190; p. 546.
- "Champion Corn Growers of the World." (For Meal.) W. H. Scott. No. 16,866; Mar. 11; Gaz. vol. 188; p. 511.
- "Cheerana." (For a Concentrated Drink Extract.) L. W. Smith. No. 16,893; Mar. 25; Gaz. vol. 188; p. 1050.
- "Chippewa Best." (For Shoes.) Mason Shoe Mfg. Co. No. 17,232; Sept. 23; Gaz. vol. 194; p. 950.
- "Chocolate Covered Brazil Nuts." (For Chocolate-Covered Brazil Nuts.) Huyler's. No. 16,861; Mar. 11; Gaz. vol. 188; p. 511.
- "Chocolate Supreme." (For Chocolates.) G. Hass & Sons. No. 17,145; July 29; Gaz. vol. 192; p. 1259.
- "Cigars." (For Cigars.) American Lithographic Company. No. 16,966; Apr. 29; Gaz. vol. 189; p. 1280.
- "Cigars." (For Cigars.) A. C. Henschel & Co. No. 17,001; May 13; Gaz. vol. 190; p. 546.
- "Clean Bill." (For Cigars.) A. C. Henschel & Co. No. 17,285; Oct. 21; Gaz. vol. 195; p. 816.
- "Cleanser." (For a Preparation to Keep the Scalp Healthy.) G. Honeyman. No. 17,082; June 24; Gaz. vol. 191; p. 1066.
- "Close Fit." (For Hair-Nets.) E. Mittelstaedt. No. 16,989; May 6; Gaz. vol. 190; p. 263.
- "Consuela." (For Cigars.) C. B. Henschel Mfg. Co. No. 17,385; Dec. 9; Gaz. vol. 197; p. 531.
- "Cook's Lax-Uric." (For a Medicinal Preparation.) Cook Pharmacal Company. No. 16,800; Feb. 11; Gaz. vol. 187; p. 511.
- "Cornflavor Cereal." (For Cornflavor Cereal.) F. P. Rand. No. 16,825; Feb. 11; Gaz. vol. 187; p. 511.
- "Country Club." (For Cigars.) A. C. Henschel & Co. No. 17,284; Oct. 21; Gaz. vol. 195; p. 816.
- "Cream City Brand Coffee Compound." (For a Coffee Compound.) W. G. Doern and H. C. Russell. No. 17,199; Aug. 26; Gaz. vol. 193; p. 1015.
- "Cream of the Crop." (For Whisky.) Sol Cohn and Company. No. 17,413; Dec. 23; Gaz. vol. 197; p. 996.
- "Crème Violet Sec A Dry Cream For The Skin." (For a Crème Violet Sec.) Richard Hudnut. No. 17,327; Nov. 4; Gaz. vol. 196; p. 273.
- "Crepe Paper Finest Rice Fibre Toilet." (For Toilet-Paper.) Mount Holyoke Tissue Mills. No. 17,174; Aug. 12; Gaz. vol. 193; p. 507.
- "Crow Corn Corer." (For a Corn Remedy.) L. C. Ellis. No. 17,029; May 20; Gaz. vol. 190; p. 791.
- "Crystal Domino Confectioners Sugar." (For Confectioners' Sugar.) The American Sugar Refining Company. No. 17,047; June 3; Gaz. vol. 191; p. 290.
- "Crystal Domino Molasses." (For Molasses.) The American Sugar Refining Company. No. 17,127; July 22; Gaz. vol. 192; p. 988.
- "Crystal Domino Powdered Sugar." (For Powdered Sugar.) The American Sugar Refining Company. No. 17,048; June 3; Gaz. vol. 191; p. 290.
- "Crystal Domino Syrup." (For Syrup.) The American Sugar Refining Company. No. 16,795; Feb. 11; Gaz. vol. 187; p. 511.
- "Cuban Stock." (For Cigars.) A. C. Henschel & Co. No. 17,068; June 17; Gaz. vol. 191; p. 829.
- "Cubist's Solitaire." (For Games.) Frank F. Austin Company. No. 17,170; Aug. 12; Gaz. vol. 193; p. 507.
- "Da Ha Ma Blue Pennant." (For Writing-Tablets.) The Davis Brothers Drug Co. No. 17,380; Dec. 9; Gaz. vol. 197; p. 531.
- "Dairy Milk Chocolates." (For Chocolates.) Puritan Candy Co. No. 16,890; Mar. 25; Gaz. vol. 188; p. 1050.
- "Dandy Mirror." (For Mirrors.) C. W. Wiegand. No. 17,046; May 27; Gaz. vol. 190; p. 1026.
- "De Luxe." (For Fruit-Cake.) Collin Street Bakery. No. 17,060; June 17; Gaz. vol. 191; p. 829.
- "Devon." (For Toilet-Paper.) Sauquoit Toilet Paper Co. No. 16,955; Apr. 22; Gaz. vol. 189; p. 1030.
- "Diamond." (For a Welding and Tempering Compound.) Diamond Welding and Tempering Compound Co. No. 16,801; Feb. 11; Gaz. vol. 187; p. 511.
- "Diamond Perfectionized Gelatine." (For Gelatin.) Diamond Gelatine Company. No. 16,880; Mar. 25; Gaz. vol. 188; p. 1050.
- "Diamond Sparkle Ginger Ale." (For Ginger-Ale.) The Liquid Carbonic Company. No. 17,157; Aug. 5; Gaz. vol. 193; p. 218.
- "Diana Motor Net." (For Hair-Nets.) E. Mittelstaedt. No. 16,976; Apr. 29; Gaz. vol. 189; p. 1280.
- "Discuits." (For Crackers.) Independent Baking Company. No. 16,745; Jan. 21; Gaz. vol. 186; p. 796.
- "Do-Ne-Do." (For a Prepared Doughnut-Flour.) The Cabell Company. No. 17,343; Nov. 18; Gaz. vol. 196; p. 802.
- "Domestic Sparkling Hunyadi or Cathartic Split." (For Cathartic Water of an Artificial Nature.) Hunyadi Split Corporation. No. 17,351; Nov. 18; Gaz. vol. 196; p. 802.
- "Domino." (For Rice.) R. Goldsmith. No. 17,030; May 20; Gaz. vol. 190; p. 791.
- "Don Abilo." (For Cigars.) The Moehle Lithographic Company. No. 17,159; Aug. 5; Gaz. vol. 193; p. 218.
- "Don Fernando." (For Cigars.) C. B. Henschel Mfg. Co. No. 17,291; Oct. 21; Gaz. vol. 195; p. 816.
- "Double Crown." (For Cigars.) The Moehle Lithographic Company. No. 17,162; Aug. 5; Gaz. vol. 193; p. 218.
- "Double Guarantee." (For Cigars.) The Moehle Lithographic Company. No. 17,009; May 13; Gaz. vol. 190; p. 546.
- "Dr. A. E. Block Prescription Shoe." (For Shoes.) Stix, Bauer & Fuller Dry Goods Company. No. 17,044; May 27; Gaz. vol. 190; p. 1026.
- "Dr. Broones Foot Comfort." (For a Medicinal Preparation.) J. E. Broones. No. 16,876; Mar. 25; Gaz. vol. 188; p. 1050.
- "Dr. Carpenter's Corn and Bunion Remedy." (For a Remedy for Corns and Bunions.) J. W. Carpenter. No. 16,848; Feb. 25; Gaz. vol. 187; p. 1114.
- "Dr. Lape's Medicated Stock Salt." (For Stock-Salt.) Dr. Lape Veterinary Co. No. 17,156; Aug. 5; Gaz. vol. 193; p. 218.
- "Dr. Stevens' Rattle Snake Liniment." (For Liniment.) L. B. Stevens. No. 16,757; Jan. 21; Gaz. vol. 186; p. 796.
- "Dreadnought High Speed Steel." (For Steel.) Halcomb Steel Company. No. 16,971; Apr. 29; Gaz. vol. 189; p. 1280.
- "Drink Orienta." (For a Tonic Beverage.) N. K. Younis & Brother. No. 17,141; July 22; Gaz. vol. 192; p. 988.
- "Drinket." (For a Compound Intended as a Substitute for Coffee.) Kellogg Toasted Corn Flake Company. No. 17,192; Aug. 19; Gaz. vol. 193; p. 752.
- "Duke of Burgundy." (For Cigars.) Congress Cigar Co. No. 16,799; Feb. 11; Gaz. vol. 187; p. 511.
- "Dunford's Improved Roof and Bridge Paints." (For Paints.) Reese-Herrin Company. No. 17,356; Nov. 18; Gaz. vol. 196; p. 802.
- "Dustbane." (For a Preparation Used in Sweeping.) Dustbane Mfg. Co. No. 17,347; Nov. 18; Gaz. vol. 196; p. 802.
- "E. Bean & Son Co." (For Paper, Fruit and Vegetable Wrappers, Coated Nails, and Ladders.) E. Bean & Son Company. No. 16,912; Apr. 8; Gaz. vol. 189; p. 521.
- "E-A-Co." (For Flour.) Everett, Aughenbaugh & Co. No. 17,348; Nov. 18; Gaz. vol. 196; p. 802.
- "Eagle Cones." (For Cones.) Eagle Manufacturing Co. No. 16,999; May 13; Gaz. vol. 190; p. 546.
- "Eatmeup." (For Popcorn Cakes.) Pauler-Wagner Co. No. 17,150; July 29; Gaz. vol. 192; p. 1259.
- "Economy Detachable." (For Brooms.) Pioneer Broom Company. No. 16,889; Mar. 25; Gaz. vol. 188; p. 1050.
- "Eddie's Everlasting Black Dye." (For a Liquid Dye.) E. J. Reilly. No. 17,271; Oct. 7; Gaz. vol. 195; p. 272.
- "Edgar Thomson Whiskey." (For Whisky.) H. Shermer. No. 17,091; June 24; Gaz. vol. 191; p. 1066.
- "Edison Record." (For Sound-Recorders.) Thomas A. Edison, Incorporated. No. 16,785; Feb. 4; Gaz. vol. 187; p. 230.
- "Egyptian Cigarettes." (For Cigarettes.) L. Engelhardt. No. 17,382; Dec. 9; Gaz. vol. 197; p. 531.

Alphabetical list of labels—Continued.

- "El Arte Cubano." (For Cigars.) The Moehle Lithographic Company. No. 17,013; May 13; Gaz. vol. 190; p. 546.
- "El Cetus." (For Cigars.) The Shelby Cigar Co. No. 17,272; Oct. 7; Gaz. vol. 195; p. 272.
- "El Continuo." (For Cigars.) A. C. Henschel & Co. No. 16,860; Mar. 11; Gaz. vol. 188; p. 511.
- "El Implicito." (For Cigars.) The Moehle Lithographic Company. No. 17,158; Aug. 5; Gaz. vol. 193; p. 218.
- "El Importador." (For Cigars.) The Moehle Lithographic Company. No. 17,014; May 13; Gaz. vol. 190; p. 546.
- "El Nacico." (For Cigars.) National Cigar Company. No. 17,194; Aug. 19; Gaz. vol. 193; p. 752.
- "El Planco." (For Cigars.) Schmidt & Co. No. 16,959; Apr. 22; Gaz. vol. 189; p. 1030.
- "El Potvino." (For Cigars.) Saginaw Specialty Company. No. 17,375; Nov. 25; Gaz. vol. 196; p. 1050.
- "El Ritano." (For Cigars.) A. C. Henschel & Co. No. 17,153; Aug. 5; Gaz. vol. 193; p. 218.
- "El Vampiro." (For an Insecticide.) Allaire Woodward & Co. No. 16,736; Jan. 21; Gaz. vol. 186; p. 796.
- "Elastic Closed Crotch." (For Underwear.) Swiss American Knitting Mills. No. 17,021; May 13; Gaz. vol. 190; p. 546.
- "Electric Shine." (For Stove-Polish.) J. Hotfelder. No. 16,884; Mar. 25; Gaz. vol. 188; p. 1050.
- "Electroplay Base Ball Game." (For Chocolate.) The Darby Candy Company. No. 17,198; Aug. 26; Gaz. vol. 193; p. 1015.
- "Elektra." (For Hair-Nets.) E. Mittelstaedt. No. 16,975; Apr. 29; Gaz. vol. 189; p. 1280.
- "Ensign." (For Raisins.) Rosenberg Bros. & Co. No. 17,090; June 24; Gaz. vol. 191; p. 1066.
- "Esquisitos." (For Cigars.) American Lithographic Company. No. 17,279; Oct. 21; Gaz. vol. 195; p. 816.
- "Evangeline Tabasco Sauce." (For Tabasco Sauce.) E. Bulliard. No. 17,379; Dec. 9; Gaz. vol. 197; p. 531.
- "Everybody's Vacuum Cleaner." (For Vacuum-Cleaners.) R. Straschnow. No. 16,758; Jan. 21; Gaz. vol. 186; p. 796.
- "Extermo Rat Paste." (For Poison for Rats and Roaches.) The Inter-American Drug and Trading Company. No. 16,833; Feb. 18; Gaz. vol. 187; p. 827.
- "Extra Special Liqueur." (For Scotch Whisky.) John Dewar & Sons. No. 17,415; Dec. 23; Gaz. vol. 197; p. 996.
- "Extra Special Old Scotch Whisky." (For Scotch Whisky.) John Dewar & Sons. No. 17,414; Dec. 23; Gaz. vol. 197; p. 996.
- "Eye-Rine Eye Remedy." (For Eye-Water.) F. L. Angell. No. 16,910; Apr. 8; Gaz. vol. 189; p. 521.
- "Fabrica De Tabacos Cigarros De Primeros." (For Cigars.) American Lithographic Company. No. 16,994; May 13; Gaz. vol. 190; p. 546.
- "Fairoid Roofing." (For Roofing.) Norton Hardware Company. No. 16,903; Apr. 1; Gaz. vol. 189; p. 250.
- "Fifth Avenue Girl Hosiery." (For Women's Hosiery.) Berks Knitting Co., Inc. No. 17,342; Nov. 18; Gaz. vol. 196; p. 802.
- "First Aid Peroxide Hydrogen." (For Peroxid of Hydrogen.) D. B. Levy. No. 16,951; Apr. 22; Gaz. vol. 189; p. 1030.
- "First American." (For Cigars.) L. Naes. No. 17,177; Aug. 12; Gaz. vol. 193; p. 507.
- "Flat Opaque." (For Paint.) O. Johnson & Co. No. 17,053; June 3; Gaz. vol. 191; p. 290.
- "Floarshine." (For a Polish for Floors and Linoleum.) P. Lichtenstein. No. 16,901; Apr. 1; Gaz. vol. 189; p. 250.
- "Flor De Lopez Garcia." (For Cigars.) R. Fernandez. No. 17,349; Nov. 18; Gaz. vol. 196; p. 802.
- "Flor de Moelico." (For Cigars.) The Moehle Lithographic Company. No. 17,164; Aug. 5; Gaz. vol. 193; p. 218.
- "Flor De Paley." (For Cigars.) Congress Cigar Co. No. 16,831; Feb. 18; Gaz. vol. 187; p. 827.
- "Florangebud." (For Toilet Soap.) Sloat Bros. Company. No. 17,336; Nov. 4; Gaz. vol. 196; p. 273.
- "For Railroad Men and Mechanics." (For Overalls and Coats.) The Southern Overall Co. No. 17,308; Oct. 28; Gaz. vol. 195; p. 1048.
- "Forbes' Quality." (For Allspice.) Jas. H. Forbes Tea & Coffee Co. No. 16,809; Feb. 11; Gaz. vol. 187; p. 511.
- "Forbes' Quality." (For Baking-Powder.) Jas. H. Forbes Tea & Coffee Co. No. 17,099; July 1; Gaz. vol. 192; p. 214.
- "Forbes' Quality." (For Spices.) Jas. H. Forbes Tea & Coffee Co. No. 17,144; July 29; Gaz. vol. 192; p. 1259.
- "44 B." (For Handkerchiefs.) Heller & Long. No. 17,151; Aug. 5; Gaz. vol. 193; p. 218.
- "44 R." (For Handkerchiefs.) Heller & Long. No. 17,152; Aug. 5; Gaz. vol. 193; p. 218.
- "4 U." (For Hair-Nets.) E. Mittelstaedt. No. 17,033; May 20; Gaz. vol. 190; p. 791.
- "Franciscan Brand." (For Lemon (Ling-Peaches.) The Johnson-Locke Mercantile Co. No. 16,946; Apr. 22; Gaz. vol. 189; p. 1030.
- "Fresh from the Farm." (For Eggs.) M. E. and W. A. Flint. No. 17,323; Nov. 4; Gaz. vol. 196; p. 273.
- "Fresh Roasted Coffee." (For Coffee.) S. E. Gilmartin. No. 16,882; Mar. 25; Gaz. vol. 188; p. 1050.
- "From Factory to Consumer." (For Cigars.) M. Silverstein. No. 17,181; Aug. 12; Gaz. vol. 193; p. 507.
- "Fusi-yama." (For Toilet-Paper.) The John Hoberg Co. No. 16,811; Feb. 11; Gaz. vol. 187; p. 511.
- "G Washington's Prepared Coffee." (For Coffee.) G. Washington Coffee Refining Co. No. 16,853; Feb. 25; Gaz. vol. 187; p. 1114.
- "G Washington's Prepared Tea—Made In The Cup." (For Tea.) G. Washington Coffee Refining Co. No. 16,936; Apr. 15; Gaz. vol. 189; p. 778.
- "Gasconade Whiskey." (For Whisky.) Stark Distillery Co. No. 17,182; Aug. 12; Gaz. vol. 193; p. 507.
- "Geisha." (For Toilet-Paper.) The John Hoberg Co. No. 16,812; Feb. 11; Gaz. vol. 187; p. 511.
- "Geister's Club House." (For Cigars.) H. W. Geister. No. 17,420; Dec. 23; Gaz. vol. 197; p. 996.
- "Gemco." (For Horse-Collars.) The Graf-Morsbach Co. No. 17,108; July 8; Gaz. vol. 192; p. 515.
- "Gillies' Favorite Coffees." (For Coffees.) E. J. Gillies & Co. No. 16,898; Apr. 1; Gaz. vol. 189; p. 250.
- "Glenrock Cold-Spring Mineral Water." (For Mineral Water.) R. A. Parker. No. 16,981; Apr. 29; Gaz. vol. 189; p. 1280.
- "Gloss Opaque." (For Paint.) O. Johnson & Co. No. 17,052; June 3; Gaz. vol. 191; p. 290.
- "Gold Bond." (For Japan Tea.) F. D. Parmer Company. No. 17,398; Dec. 9; Gaz. vol. 197; p. 531.
- "Gold Bond." (For Coffee.) F. D. Parmer Company. No. 17,399; Dec. 9; Gaz. vol. 197; p. 531.
- "Gold Crown Poison For the Destruction of Squirrels, Gophers and Rats." (For Squirrel, Gopher, and Rat Poison.) G. E. Price. No. 17,430; Dec. 23; Gaz. vol. 197; p. 996.
- "Golden Crust." (For Bread.) Pure Food Baking Co. No. 17,135; July 22; Gaz. vol. 192; p. 988.
- "Golden Hearts of All Cereal Food." (For Cereal Food.) Kuck Cereal Company. No. 17,370; Nov. 25; Gaz. vol. 196; p. 1050.
- "Golden State Brand Tokay." (For Grapes.) J. M. Davies. No. 17,038; May 27; Gaz. vol. 190; p. 1026.
- "Golden State Butter." (For Butter.) California Central Creameries. No. 17,344; Nov. 18; Gaz. vol. 196; p. 802.
- "Grape Smash." (For Grape Smash.) C. J. Howel. No. 16,972; Apr. 29; Gaz. vol. 189; p. 1280.
- "Grapefruitola." (For a Beverage.) F. M. Williams. No. 17,169; Aug. 5; Gaz. vol. 193; p. 218.
- "Gray Squirrel Brand." (For Apples.) Haywood Fruit Exchange. No. 16,742; Jan. 21; Gaz. vol. 186; p. 796.
- "Green Label Harry G. Kentucky Bourbon." (For Whisky.) H. Gebhardt. No. 17,419; Dec. 23; Gaz. vol. 197; p. 996.
- "Grossvader." (For Beer.) Emmerling Brewing Company. No. 17,130; July 22; Gaz. vol. 192; p. 988.
- "Gypsy." (For Toilet-Paper.) Sauquoit Toilet Paper Company. No. 16,956; Apr. 22; Gaz. vol. 189; p. 1030.
- "H. A. Dowling's Nu Buck." (For Cigars.) H. A. Dowling. No. 17,322; Nov. 4; Gaz. vol. 196; p. 273.
- "H. D. P. Co. Cigars." (For Cigars.) H. D. Peters Co. No. 17,148; July 29; Gaz. vol. 192; p. 1259.
- "Hair Pins." (For Hair-Pins.) C. H. Crowley. No. 17,107; July 8; Gaz. vol. 192; p. 515.
- "Hand Lotion." (For a Hand-Lotion.) Grace Company. No. 17,258; Oct. 7; Gaz. vol. 195; p. 272.
- "Hand Played." (For Music-Rolls for Pneumatic Planos and Similar Musical Instruments.) National Music Roll Co. No. 17,215; Sept. 16; Gaz. vol. 194; p. 743.
- "Havana Club." (For Cigars.) C. B. Henschel Mfg. Co. No. 17,289; Oct. 21; Gaz. vol. 195; p. 816.
- "Havana Token." (For Cigars.) C. B. Henschel Mfg. Co. No. 17,287; Oct. 21; Gaz. vol. 195; p. 816.
- "Headlight Half Hose." (For Hosiery.) Missoula Mercantile Company. No. 16,851; Feb. 25; Gaz. vol. 187; p. 1114.
- "Health Food Candy." (For Candies.) W. I. Baker. No. 16,911; Apr. 8; Gaz. vol. 189; p. 521.
- "Health Oil." (For Health-Oil.) W. E. Wise. No. 17,367; Nov. 18; Gaz. vol. 196; p. 802.
- "Henry Wilson." (For Cigars.) The Moehle Lithographic Company. No. 17,010; May 13; Gaz. vol. 190; p. 546.
- "Herbetta." (For a Concentrated Drink Extract.) L. W. Smith. No. 16,891; Mar. 25; Gaz. vol. 188; p. 1050.
- "Herbruck's Abortion Remedy." (For Stock Medicine.) J. C. Herbruck. No. 16,744; Jan. 21; Gaz. vol. 186; p. 796.
- "Hi-Po Water-proof Guaranteed Dry Battery." (For a Dry Battery.) Hi-Po Waterproof Battery Co. No. 17,386; Dec. 9; Gaz. vol. 197; p. 531.

Alphabetical list of labels—Continued.

- "High Grade Food Products." (For Macaroni, Farina, Elbows, Egg-Barley, Egg-Flakes, Egg-Alphabets, and Egg-Noodles.) Maas Baking Company. No. 16,752; Jan. 21; Gaz. vol. 186; p. 796.
- "Hills Bros. Blue Label Japan Tea." (For Tea.) Hills Bros. No. 17,294; Oct. 21; Gaz. vol. 195; p. 816.
- "Hippopotrol A Powder for Remedy and Relief For Wind Broken Horses." (For a Veterinary Remedy.) P. Hoffer. No. 17,205; Sept. 2; Gaz. vol. 194; p. 272.
- "Hold-Tight Brand Fringe Hair Nets." (For Hair-Nets.) A. Klar. No. 17,352; Nov. 18; Gaz. vol. 196; p. 802.
- "Hold-Tight No. 43. Self Adjustable." (For Hair-Nets.) A. Klar. No. 17,353; Nov. 18; Gaz. vol. 196; p. 802.
- "Holly Brand." (For Soap.) Pioneer Soap Company. No. 16,919; Apr. 8; Gaz. vol. 189; p. 521.
- "Home Diamond." (For Base-Ball Games.) L. Borkheim. No. 17,274; Oct. 14; Gaz. vol. 195; p. 538.
- "Hood's Croup, Cold and Pneumonia Salve." (For a Salve for Croup, Cold, and Pneumonia.) Hood Bros. No. 17,439; Dec. 30; Gaz. vol. 197; p. 1290.
- "Horse-shoe." (For Toilet-Paper.) Sauquoit Toilet Paper Company. No. 16,957; Apr. 22; Gaz. vol. 189; p. 1030.
- "Hotchkiss 'Glass Jar.'" (For Grated Hawaiian Pineapple.) Central California Canneries. Nos. 17,185-6; Aug. 19; Gaz. vol. 193; p. 752.
- "Hotchkiss 'Glass Jar.'" (For Bartlett Pears.) Central California Canneries. No. 17,187; Aug. 19; Gaz. vol. 193; p. 752.
- "Hotchkiss 'Glass Jar.'" (For Loganberries.) Central California Canneries. No. 17,188; Aug. 19; Gaz. vol. 193; p. 752.
- "Hotchkiss 'Glass Jar.'" (For Strawberries.) Central California Canneries. No. 17,189; Aug. 19; Gaz. vol. 193; p. 752.
- "Hotchkiss 'Glass Jar.'" (For Hawaiian Pineapple.) Central California Canneries. No. 17,190; Aug. 19; Gaz. vol. 193; p. 752.
- "Hotchkiss 'Glass Jar.'" (For Asparagus.) Central California Canneries. No. 17,191; Aug. 19; Gaz. vol. 193; p. 752.
- "Hotchkiss 'Glass Jar' Label Brand." (For Canned Corn.) Central California Canneries. No. 16,877; Mar. 25; Gaz. vol. 188; p. 1050.
- "Hotchkiss 'Glass Jar' Label Brand." (For Tomato Sauce.) Central California Canneries. No. 16,878; Mar. 25; Gaz. vol. 188; p. 1050.
- "Hotchkiss 'Glass Jar' Label Brand." (For Special Table-Squash.) Central California Canneries. No. 16,879; Mar. 25; Gaz. vol. 188; p. 1050.
- "How to Apply Dr. Cunningham's Plasters." (For Medicinal Plasters.) Anti-Toxine Chemical Co. No. 17,213; Sept. 16; Gaz. vol. 194; p. 743.
- "Huber's Sun-Beam Bread." (For Bread.) Huber Baking Co. No. 17,387; Dec. 9; Gaz. vol. 197; p. 531.
- "Hy-tex." (For Brick.) Hydraulic-Press Brick Company. No. 17,227; Sept. 23; Gaz. vol. 194; p. 950.
- "Hydrogen Peroxide." (For Peroxid of Hydrogen.) D. B. Levy. No. 16,916; Apr. 8; Gaz. vol. 189; p. 521.
- "Hydrogen Peroxide." (For Peroxid of Hydrogen.) D. B. Levy. No. 16,949; Apr. 22; Gaz. vol. 189; p. 1030.
- "Hydrosal." (For a Germicide.) Eureka Chemical Company. No. 16,808; Feb. 11; Gaz. vol. 187; p. 511.
- "Hydrox Hydrogen Peroxide." (For Peroxid of Hydrogen.) D. B. Levy. No. 16,950; Apr. 22; Gaz. vol. 189; p. 1030.
- "Hygiene Tissue." (For Toilet-Paper.) The Peerless Manufacturing Company. No. 17,305; Oct. 28; Gaz. vol. 195; p. 1048.
- "I Am." (For Hair-Nets.) El. Mittelstaedt. No. 16,977; Apr. 29; Gaz. vol. 189; p. 1280.
- "Imperial." (For Macaroni.) W. C. Egerton. No. 16,881; Mar. 25; Gaz. vol. 188; p. 1050.
- "Imperial Health Brace." (For Body-Braces.) R. F. MacClemmy. No. 17,071; June 17; Gaz. vol. 191; p. 829.
- "Indian River Fruit from the Nevins' Groves." (For Fruit.) T. F. Nevins. No. 16,821; Feb. 11; Gaz. vol. 187; p. 511.
- "Indian River Fruit Red Label Pack." (For Fruit.) T. F. Nevins. No. 16,822; Feb. 11; Gaz. vol. 187; p. 511.
- "Indicated In All Forms of Tuberculosis, Phthisis, Scrofula and Tuberculosis of Bones and Joints, Proto-nuclein Beta." (For Medicines.) Reed & Carnrick. No. 16,932; Apr. 15; Gaz. vol. 189; p. 778.
- "Inter woven Cashmere." (For Socks.) Interwoven Stocking Company. No. 17,118; July 8; Gaz. vol. 192; p. 515.
- "Invincible." (For Violin-Strings.) Southern California Music Company. No. 17,041; May 27; Gaz. vol. 190; p. 1026.
- "Iron City." (For Beer.) Pittsburgh Brewing Company. No. 17,270; Oct. 7; Gaz. vol. 195; p. 272.
- "Iron-Up Compound." (For a Medicinal Tonic.) The Iron-Up Medicine Company. No. 16,788; Feb. 4; Gaz. vol. 187; p. 230.
- "Island Plantation." (For Syrup.) Victoria Syrup & Coffee Company. No. 17,365; Nov. 18; Gaz. vol. 196; p. 802.
- "Island Queen." (For Wines.) The Sweet Valley Wine Co. No. 16,856; Mar. 4; Gaz. vol. 188; p. 241.
- "Isle Pines." (For Pineapples.) H. B. Kopf. No. 16,766; Jan. 28; Gaz. vol. 186; p. 985.
- "Italian Pure Olive Oil." (For Olive-Oil.) A. Glunta. No. 17,421; Dec. 23; Gaz. vol. 197; p. 996.
- "Italo American Cigar Mfg. Co." (For Cigars.) A. Massaniso. No. 16,952; Apr. 22; Gaz. vol. 189; p. 1030.
- "Its Real Genuine Kno-Blur." (For Carbon-Paper.) Utica Carbon & Wax Paper Co. No. 17,364; Nov. 18; Gaz. vol. 196; p. 802.
- "J-M Asbestos Roofing." (For Asbestos Roofing.) H. W. Johns-Manville Company. No. 17,051; June 3; Gaz. vol. 191; p. 290.
- "Jabon Curativo de Barry." (For Soap.) Barclay & Barclay. No. 17,341; Nov. 18; Gaz. vol. 196; p. 802.
- "James Weaver." (For Cigars.) The Moehle Lithographic Company. No. 17,012; May 13; Gaz. vol. 190; p. 546.
- "Jap Rose." (For Perfume.) James S. Kirk & Company. No. 16,765; Jan. 28; Gaz. vol. 186; p. 985.
- "Jap Rose." (For Talcum Powder.) James S. Kirk & Company. No. 16,834; Feb. 18; Gaz. vol. 187; p. 827.
- "Jap Rose Soap." (For Soap.) James S. Kirk & Company. No. 17,120; July 8; Gaz. vol. 192; p. 515.
- "Japanese." (For Toilet-Paper.) Sauquoit Toilet Paper Co. No. 16,924; Apr. 8; Gaz. vol. 189; p. 521.
- "Java-Julep." (For Java-Julep.) The Jamoka Company. No. 17,005; May 13; Gaz. vol. 190; p. 546.
- "Junaluska Brand." (For Apples.) Haywood Fruit Exchange. No. 16,743; Jan. 21; Gaz. vol. 186; p. 796.
- "Justrite Overalls." (For Overalls and Work-Clothes.) The Cox Blodgett Dry Goods Company. No. 17,256; Oct. 7; Gaz. vol. 195; p. 272.
- "Ka-Nu Corn Cure." (For Corn-Plasters.) F. M. Lang. No. 17,303; Oct. 28; Gaz. vol. 195; p. 1048.
- "Kane-Kore Kable Edge." (For Bed-Springs and Spring-Mattresses.) Englander Spring Bed Company. No. 16,913; Apr. 8; Gaz. vol. 189; p. 521.
- "Kanreli Sauce." (For Sauce.) J. D. Pyle & Son. No. 16,754; Jan. 21; Gaz. vol. 186; p. 796.
- "Kellogg's Pure Olive Oil." (For Olive-Oil.) I. T. Kellogg. No. 16,764; Jan. 28; Gaz. vol. 186; p. 985.
- "Kellogg's (Toasted) Krumbles." (For Prepared Cereal Foods.) Kellogg Toasted Corn Flake Co. No. 16,746; Jan. 21; Gaz. vol. 186; p. 796.
- "Kellogg's Toasted Wheat Biscuit." (For Biscuit.) Kellogg Toasted Corn Flake Co. No. 17,101; July 1; Gaz. vol. 192; p. 214.
- "Kelly's Pure Hawaiian." (For Guava Jelly.) T. Kelly. No. 17,201; Aug. 26; Gaz. vol. 193; p. 1015.
- "Kerr's Improved Metallic Lacing." (For Metallic Belt-Lacing.) Kerr & Company. No. 17,422; Dec. 23; Gaz. vol. 197; p. 996.
- "Kewpie Nursery Powder." (For Nursery-Powder.) W. D. P. Aims, Jr. No. 17,196; Aug. 26; Gaz. vol. 193; p. 1015.
- "Kiddie Cloth." (For Cotton Wash-Fabric Piece Goods.) J. McKendrick. No. 17,331; Nov. 4; Gaz. vol. 196; p. 273.
- "King Kole." (For Shirts.) Salant & Salant. No. 17,077; June 17; Gaz. vol. 191; p. 829.
- "King's Chewing Gum." (For Chewing-Gum.) The King's Chewing Gum Co. No. 16,747; Jan. 21; Gaz. vol. 186; p. 796.
- "King's Liqueur." (For Scotch Whisky.) D. Heilbron & Sons. No. 16,762; Jan. 28; Gaz. vol. 186; p. 985.
- "Kioto." (For Toilet-Paper.) Sauquoit Toilet Paper Co. No. 16,922; Apr. 8; Gaz. vol. 189; p. 521.
- "Klean Klose." (For Clothes-Lines.) Columbian Rope Co. No. 17,200; Aug. 26; Gaz. vol. 193; p. 1015.
- "Klean Well Klean Ser." (For a Cleaning-Powder.) Pioneer Soap Company. No. 16,920; Apr. 8; Gaz. vol. 189; p. 521.
- "Kleanall." (For Cleansers and Water-Softeners.) Kleanall Chemical Company. No. 17,354; Nov. 18; Gaz. vol. 196; p. 802.
- "Kloma." (For a Hair-Tonic and Scalp-Renovator.) The Kloma Company. No. 17,084; June 24; Gaz. vol. 191; p. 1066.
- "Ko-zy." (For Ladies' Undervests.) W. W. Moyer. No. 17,147; July 29; Gaz. vol. 192; p. 1259.
- "Ko-Zy Union Suit." (For Ladies' Union Suits.) H. H. Condit. No. 17,346; Nov. 18; Gaz. vol. 196; p. 802.
- "Kon-Krete-Kote." (For Paint.) O. Johnson & Co. No. 17,054; June 3; Gaz. vol. 191; p. 290.
- "Korea." (For Toilet-Paper.) Sauquoit Toilet Paper Co. No. 16,921; Apr. 8; Gaz. vol. 189; p. 521.
- "Korine." (For a Carbon-Remover.) James-Gray-Kuhn Company. No. 16,899; Apr. 1; Gaz. vol. 189; p. 250.
- "Korn-Kake." (For Corn-Cake.) Independent Biscuit Company. No. 17,262; Oct. 7; Gaz. vol. 195; p. 272.
- "Kream-Flake." (For Bread.) O. C. Orr Baking Company. No. 17,089; June 24; Gaz. vol. 191; p. 1066.

Alphabetical list of labels—Continued.

- "Kresapol." (For a Germicide and Disinfectant.) The Hoffman-La Roche Chemical Works. No. 17,250; Sept. 30; Gaz. vol. 194; p. 1139.
- "Kronberger's California Compound Eucalyptus Syrup." (For a Remedy.) I. B. Kronberger. No. 16,748; Jan. 21; Gaz. vol. 186; p. 796.
- "Kronberger's California Eucalyptus Ointment." (For a Remedy.) I. B. Kronberger. No. 16,749; Jan. 21; Gaz. vol. 186; p. 796.
- "Kronberger's California Mentholated Eucalyptus Drops." (For Eucalyptus Drops.) I. B. Kronberger. No. 17,388; Dec. 9; Gaz. vol. 197; p. 531.
- "Kwality Kakes." (For Cakes.) O. C. Orr Baking Company. No. 17,088; June 24; Gaz. vol. 191; p. 1066.
- "L. & M." (For Dress-Forms.) Ellanam Dress Form Co. No. 17,098; July 1; Gaz. vol. 192; p. 214.
- "L S W Extra Dry Ginger Ale." (For Ginger-Ale.) New Hampshire Spring Water Co. No. 16,954; Apr. 22; Gaz. vol. 189; p. 1030.
- "La Cubitana." (For Cigars.) The Moehle Lithographic Company. No. 17,011; May 13; Gaz. vol. 190; p. 546.
- "La Flor De Intal." (For Cigars.) E. A. & O. Weber. No. 17,239; Sept. 23; Gaz. vol. 194; p. 950.
- "La Flor De Minanga." (For Cigars.) E. A. & O. Weber. No. 17,240; Sept. 23; Gaz. vol. 194; p. 950.
- "La Flor de Tampa-Cuba." (For Cigars.) Tampa-Cuba Cigar Company. No. 16,869; Mar. 11; Gaz. vol. 188; p. 511.
- "La Margarita." (For Green Olives.) A. L. Caprini. No. 16,997; May 13; Gaz. vol. 190; p. 546.
- "La Marquet Poudre De Riz." (For a Toilet Powder.) C. Londoner. No. 17,265; Oct. 7; Gaz. vol. 195; p. 272.
- "La Marquise." (For Corsets.) The Mode. No. 16,852; Feb. 25; Gaz. vol. 187; p. 1114.
- "La Palina." (For Cigars.) Congress Cigar Co. No. 16,798; Feb. 11; Gaz. vol. 187; p. 511.
- "La Porte Wash Goods." (For Wash Goods.) La Porte Woolen Mills. No. 17,371; Nov. 25; Gaz. vol. 196; p. 1050.
- "La Tamara." (For Cigars.) A. C. Henschel & Co. No. 16,930; Apr. 15; Gaz. vol. 189; p. 778.
- "Lady Love." (For Cigars.) The Moehle Lithographic Company. No. 17,163; Aug. 5; Gaz. vol. 193; p. 218.
- "Laird's G W L Blush of Youth Harmless—Natural Color for the Cheeks and Lips." (For a Coloring for the Cheeks and Lips.) G. W. Laird. No. 17,328; Nov. 4; Gaz. vol. 196; p. 273.
- "Lautz Naphtha Soap Powder." (For a Soap Powder.) Lautz Bros. & Co. Nos. 17,263-4; Oct. 7; Gaz. vol. 195; p. 272.
- "Le Sueur." (For Canned Peas.) Minnesota Valley Canning Co. No. 17,396; Dec. 9; Gaz. vol. 197; p. 531.
- "Leaf Tobacco." (For Leaf-Tobacco.) B. Woeldike. No. 17,437; Dec. 23; Gaz. vol. 197; p. 996.
- "Ledig Keystone Quality." (For Children's Vehicles.) A. Mecky Company. No. 16,836; Feb. 18; Gaz. vol. 187; p. 827.
- "Lichfield's Far Famed Sausages and Pork Pies." (For Sausages and Pork Pies.) S. Lichfield. No. 16,750; Jan. 28; Gaz. vol. 186; p. 796.
- "Lignoli." (For Violin-Strings.) Southern California Music Company. No. 17,043; May 27; Gaz. vol. 190; p. 1026.
- "Lik-Wood Luster." (For a Polish.) T. W. Prescott. No. 16,824; Feb. 11; Gaz. vol. 187; p. 511.
- "Lily White Brand." (For Toilet-Paper.) S. Lewis. No. 17,214; Sept. 16; Gaz. vol. 194; p. 743.
- "Liquore Cannella." (For Alcoholic Liquors.) Mariani Bros. No. 17,390; Dec. 9; Gaz. vol. 197; p. 531.
- "Little Princess." (For Brooms.) Premier Broom & Brush Co. No. 17,401; Dec. 9; Gaz. vol. 197; p. 531.
- "Little Tourist." (For Cigars.) Wiedmann-St. Louis Cigar Box Company. No. 17,254; Sept. 30; Gaz. vol. 194; p. 1139.
- "Liver & Bowel Tablets Samuel." (For Laxative Tablets.) The Samuel Chemical Co. No. 16,791; Feb. 4; Gaz. vol. 187; p. 230.
- "Liver Ease." (For Medicinal Preparation.) Liver Ease Medicine Company. No. 17,423; Dec. 23; Gaz. vol. 197; p. 996.
- "Lixall." (For Piano and Furniture Polish.) F. J. Wolfe. No. 17,080; June 17; Gaz. vol. 191; p. 829.
- "Lovita." (For Cigars.) D. J. Borun & Bro. No. 17,129; July 22; Gaz. vol. 192; p. 988.
- "Lowney's Assorted Chocolates." (For Chocolates.) The Walter M. Lowney Company. No. 17,121; July 8; Gaz. vol. 192; p. 515.
- "Lucas Silo Paint." (For Paint.) John Lucas & Co. No. 17,266; Oct. 7; Gaz. vol. 195; p. 272.
- "Lucky Tips." (For Cigars.) The Moehle Lithographic Company. No. 17,160; Aug. 5; Gaz. vol. 193; p. 218.
- "Luxury." (For Cigars.) W. H. Raab & Sons. No. 17,431; Dec. 23; Gaz. vol. 197; p. 996.
- "Ma-Le-Na Shampoo Soap." (For a Shampoo-Soap.) C. F. York. No. 17,311; Oct. 28; Gaz. vol. 195; p. 1048.
- "Maas's Gold Medal Tea Matzo." (For Unleavened Bread.) Maas Baking Company. No. 16,818; Feb. 11; Gaz. vol. 187; p. 511.
- "Made Well." (For Bread.) The Mirror Printing Co. No. 17,372; Nov. 25; Gaz. vol. 196; p. 1050.
- "Magic Oil." (For a Polishing and Lubricating Oil.) The Magic Oil Co. No. 16,988; May 6; Gaz. vol. 190; p. 263.
- "Major Daingerfield's Horse Liniment." (For Horse-Liniment.) E. Daingerfield. No. 16,739; Jan. 21; Gaz. vol. 186; p. 796.
- "Manufacturer's Guarantee." (For Cloth.) G. Rymarczick. No. 16,983; Apr. 29; Gaz. vol. 189; p. 1280.
- "Map of Italy Brand." (For Olive-Oil.) A. Magnano. No. 16,751; Jan. 21; Gaz. vol. 186; p. 796.
- "Maple Chews." (For Candy.) The C. F. Hickok Company. No. 16,810; Feb. 11; Gaz. vol. 187; p. 511.
- "Maplewood Brand." (For Creamery-Butter.) The Rochester Produce & Commission Co. No. 17,208; Sept. 2; Gaz. vol. 194; p. 272.
- "Marshall's Blue Safety Ink." (For Ink.) B. M. Marshall. No. 17,055; June 3; Gaz. vol. 191; p. 290.
- "Marshall's Ebony Black Ink." (For Ink.) B. M. Marshall. No. 17,441; Dec. 30; Gaz. vol. 197; p. 1290.
- "Martin." (For Cigars.) Martin Bros. Cigar Mfg. No. 17,424; Dec. 23; Gaz. vol. 197; p. 996.
- "Mary Jane Bread." (For Bread.) F. and L. Archer. No. 16,829; Feb. 18; Gaz. vol. 187; p. 827.
- "Master Record." (For Music-Rolls.) National Music Roll Co. No. 17,304; Oct. 28; Gaz. vol. 195; p. 1048.
- "Masterpiece Flour." (For Flour.) Potter & Wrightington. No. 16,768; Jan. 28; Gaz. vol. 186; p. 985.
- "Mattoni Water." (For a Mineral Water.) Heinrich Mattoni, A. G. No. 17,085; June 24; Gaz. vol. 191; p. 1066.
- "Mayflower." (For Coffee.) Henry May & Co. No. 17,086; June 24; Gaz. vol. 191; p. 1066.
- "Mayflower." (For Brooms.) Premier Broom & Brush Co. No. 17,403; Dec. 9; Gaz. vol. 197; p. 531.
- "Mecca." (For Toilet-Paper.) Sauquoit Toilet Paper Co. No. 17,123; July 8; Gaz. vol. 192; p. 515.
- "Medium Red Salmon." (For Salmon.) Armour and Company. No. 17,318; Nov. 4; Gaz. vol. 196; p. 273.
- "Mena." (For Cigars.) Reguera & Berengher. No. 17,404; Dec. 9; Gaz. vol. 197; p. 531.
- "Mennen's Shaving Cream." (For Shaving-Cream.) G. Mennen Chemical Company. No. 17,252; Sept. 30; Gaz. vol. 194; p. 1139.
- "Milady." (For Soap.) Armour and Company. No. 17,128; July 22; Gaz. vol. 192; p. 988.
- "Milk Maid." (For Bread.) T. W. Russell. No. 17,334; Nov. 4; Gaz. vol. 196; p. 273.
- "Minced Razor Clams Tillamook Head Brand." (For Canned Clams.) B. E. and Q. V. Robinson. No. 17,333; Nov. 4; Gaz. vol. 196; p. 273.
- "Mink." (For Cigars.) M. Mink. No. 17,235; Sept. 23; Gaz. vol. 194; p. 950.
- "Minnesota Valley." (For Peas.) Minnesota Valley Canning Co. No. 17,397; Dec. 9; Gaz. vol. 197; p. 531.
- "Mission." (For Chocolates.) Milwaukee Paper Box Co. No. 16,767; Jan. 28; Gaz. vol. 186; p. 985.
- "Mo-Go-Co." (For Brooms.) Premier Broom & Brush Co. No. 17,402; Dec. 9; Gaz. vol. 197; p. 531.
- "Mobile Maid Brand." (For Cane-Syrup.) Mobile Sugar Development Company. No. 16,978; Apr. 29; Gaz. vol. 189; p. 1280.
- "Morning Tonic." (For Coffee.) Clark & Host Co. No. 17,204; Sept. 2; Gaz. vol. 194; p. 272.
- "Mosaic." (For Crêpe Tissue.) The Tuttle Press Company. No. 17,363; Nov. 18; Gaz. vol. 196; p. 802.
- "Mount Spokane." (For Beer.) Western Bottling Company. Nos. 17,339-40; Nov. 4; Gaz. vol. 196; p. 273.
- "National Health." (For Bread.) J. W. Kollen. No. 16,931; Apr. 15; Gaz. vol. 189; p. 778.
- "Natural Blush." (For Rouge.) Estate of Henry Miner. No. 16,837; Feb. 18; Gaz. vol. 187; p. 827.
- "Natural Blush." (For Rouge.) Estate Henry C. Miner. No. 17,133; July 22; Gaz. vol. 192; p. 988.
- "Natural Flavor." (For Cigars.) Central Cigar Box Co. No. 17,300; Oct. 28; Gaz. vol. 195; p. 1048.
- "Nep-Ton-Ic." (For Medicinal Preparations.) Neptonic Company. No. 17,428; Dec. 23; Gaz. vol. 197; p. 996.
- "Nescoware Kitchen Utensils." (For Sheet-Metal Enamelled Ware.) National Enameling & Stamping Company. No. 16,820; Feb. 11; Gaz. vol. 187; p. 511.
- "New Life." (For Beer.) Goenner & Co. No. 17,081; June 24; Gaz. vol. 191; p. 1066.
- "New River Oak." (For Shoes.) Mason Shoe Mfg. Co. No. 17,234; Sept. 23; Gaz. vol. 194; p. 950.
- "Nonatuck Lawn Fine Stationery." (For Stationery.) White & Wyckoff Mfg. Co. No. 17,436; Dec. 23; Gaz. vol. 197; p. 996.
- "Northwestern Service Shoes." (For Shoes.) Mason Shoe Mfg. Co. No. 17,233; Sept. 23; Gaz. vol. 194; p. 950.
- "Nu-Bo-Kay Sanitary Bath Salts." (For Medicinal Preparations.) Hot Springs Chemical Company. No. 17,070; June 17; Gaz. vol. 191; p. 829.
- "Nu-Tan-Fin The Leather Doctor." (For a Liquid Dressing for Use on Leather and Rubber.) Phelps Manufacturing Company. No. 17,217; Sept. 16; Gaz. vol. 194; p. 743.

Alphabetical list of labels—Continued.

- "Nu White." (For a Preparation for Cleaning Shoes.) B. Ettenson. No. 17,244; Sept. 30; Gaz. vol. 194; p. 1139.
- "O. K. Furniture Polish." (For Furniture-Polish.) M. Lindquist. No. 16,862; Mar. 11; Gaz. vol. 188; p. 511.
- "O-U Molasses." (For Molasses.) Victoria Syrup & Coffee Company. No. 17,408; Dec. 9; Gaz. vol. 197; p. 531.
- "Old Dutch." (For Toilet-Paper.) Sauquoit Toilet Paper Co. No. 16,958; Apr. 22; Gaz. vol. 189; p. 1030.
- "Old English Worcestershire Sauce." (For Worcestershire Sauce.) P. K. Mills. No. 16,819; Feb. 11; Gaz. vol. 187; p. 511.
- "Old Fashioned Lager Beer." (For Beer.) The Kansas City Breweries Company. No. 17,440; Dec. 30; Gaz. vol. 197; p. 1290.
- "Old Lehigh." (For Grape Brandy.) P. Gargiulo & Co. No. 16,929; Apr. 15; Gaz. vol. 189; p. 778.
- "Old Rye Whiskey." (For Whisky.) G. W. Steiger. No. 16,828; Feb. 11; Gaz. vol. 187; p. 511.
- "Old Samoset." (For Whisky.) Webster-Warnock Chemical Co. No. 17,024; May 13; Gaz. vol. 190; p. 546.
- "Old Saxon Bräu." (For Beer.) Storz Brewing Co. No. 17,078; June 17; Gaz. vol. 191; p. 829.
- "Olympiad." (For Cigars.) Florencio Vega & Co. No. 16,934; Apr. 15; Gaz. vol. 189; p. 778.
- "Omar." (For Toilet-Paper.) Adirondack Tissue Paper Co. No. 16,908; Apr. 8; Gaz. vol. 189; p. 521.
- "\$1,000.00 Pure Sugar Stick Candy." (For Candy.) M. M. Johannsen Candy Co. No. 17,369; Nov. 25; Gaz. vol. 196; p. 1050.
- "Orador." (For Cigars, Cigarettes, and Cheroots.) Schwartz & Gattle. No. 17,307; Oct. 28; Gaz. vol. 195; p. 1048.
- "Orange Belt Brand Syrup." (For Cane and Corn Syrup.) Mobile Sugar Development Company. No. 17,122; July 8; Gaz. vol. 192; p. 515.
- "Orchard Brand." (For Fungicides and Insecticides.) Thomsen Chemical Co. No. 17,093; June 24; Gaz. vol. 191; p. 1066.
- "Oriole." (For Pastes.) W. E. Kriel. No. 16,835; Feb. 18; Gaz. vol. 187; p. 827.
- "Orlando Orange Blossoms, Ortiz Perfumes New York." (For Perfumes.) C. M. Perez. No. 16,982; Apr. 29; Gaz. vol. 189; p. 1280.
- "Our New Drink." (For a Vegetable Compound with Coffee.) Potter, Sloan, O'Donohue Co. No. 17,075; June 17; Gaz. vol. 191; p. 829.
- "Owl' Self-Shining Stove Polish." (For Stove-Polish.) E. H. Schuler & Co. No. 17,219; Sept. 16; Gaz. vol. 194; p. 743.
- "Ozako Japanese Crepe Toilet-Paper." (For Toilet-Paper.) Mount Holyoke Tissue Mills. No. 17,175; Aug. 12; Gaz. vol. 193; p. 507.
- "Pacific Coast Loggers." (For Shoes.) Mason Shoe Mfg. Co. No. 17,231; Sept. 23; Gaz. vol. 194; p. 950.
- "Pan Dandy." (For Bread.) A. G. Brandstetter. No. 17,321; Nov. 4; Gaz. vol. 196; p. 273.
- "Panama Canal Puzzle." (For Puzzles.) J. H. Lynch. No. 16,790; Feb. 4; Gaz. vol. 187; p. 230.
- "Parcells Post." (For Cigars.) F. V. Parcells. No. 17,104; July 1; Gaz. vol. 192; p. 214.
- "Pass-Time." (For Cigars.) C. B. Henschel Mfg. Co. No. 17,290; Oct. 21; Gaz. vol. 195; p. 816.
- "Patented Double-Service Garments." (For Garments.) Baldwin Garment Company. No. 16,737; Jan. 21; Gaz. vol. 186; p. 796.
- "Pau-C." (For Pau-C Tablets.) H. E. Basehore. No. 16,873; Mar. 25; Gaz. vol. 188; p. 1050.
- "Peanuts in Nature's Wrapper." (For Peanuts.) T. S. Wheatcroft. No. 17,241; Sept. 24; Gaz. vol. 194; p. 950.
- "Pecan Caramels." (For Pecan-Caramels.) Huyler's. No. 16,786; Feb. 4; Gaz. vol. 187; p. 230.
- "Pee-Chee Cleaner For Gold and Silverware." (For a Cleaner.) Pee-Chee Cleaner Mfg. Co. No. 17,332; Nov. 4; Gaz. vol. 196; p. 273.
- "Pee-Chee White Cleaner." (For a Cleaner.) Pee Chee Cleaner Manufacturing Co. No. 16,863; Mar. 11; Gaz. vol. 188; p. 511.
- "Penn Sugar Quaker Brand." (For Sugar.) Pennsylvania Sugar Company. No. 17,442; Dec. 30; Gaz. vol. 197; p. 1290.
- "Per-man-eo Peroxide of Hydrogen." (For Peroxid of Hydrogen.) D. B. Levy. No. 16,947; Apr. 22; Gaz. vol. 189; p. 1030.
- "Perfecta." (For Hair-Nets.) New York Merchandise Company. No. 16,841; Feb. 18; Gaz. vol. 187; p. 827.
- "Perfection Cedar Oil Duster and Polisher." (For an Oil Duster and Polisher.) G. M. Urie. No. 17,338; Nov. 4; Gaz. vol. 196; p. 273.
- "Peroxide of Hydrogen." (For Peroxid of Hydrogen.) D. B. Levy. Nos. 16,914-15; Apr. 8; Gaz. vol. 189; p. 521.
- "Peroxide of Hydrogen." (For Peroxid of Hydrogen.) D. B. Levy. Nos. 16,917-18; Apr. 8; Gaz. vol. 189; p. 521.
- "Peroxide of Hydrogen." (For Peroxid of Hydrogen.) Hydrox Chemical Company. No. 16,944; Apr. 22; Gaz. vol. 189; p. 1030.
- "Peroxide of Hydrogen." (For Peroxid of Hydrogen.) D. B. Levy. No. 16,948; Apr. 22; Gaz. vol. 189; p. 1030.
- "Pill." (For Cigars.) E. Kanouse. No. 17,251; Sept. 30; Gaz. vol. 194; p. 1139.
- "Pilsner Weltbräu Beer." (For Beer.) R. Naegeli's Sons. No. 17,426; Dec. 23; Gaz. vol. 197; p. 996.
- "Pimbley's Auto-Newer." (For a Preparation for Cleaning and Polishing Automobiles.) Pimbley Paint & Glass Co. No. 17,149; July 29; Gaz. vol. 192; p. 1259.
- "Plastico Aceite Nacional." (For Medicinal Plasters.) C. L. Brewer. No. 16,986; May 6; Gaz. vol. 190; p. 263.
- "Platt's Chlorides." (For a Liquid Disinfectant.) M. E. Platt. No. 17,400; Dec. 9; Gaz. vol. 197; p. 531.
- "Polvere Di Riso." (For Rice Complexion-Powder.) The J. A. Pozzoni Pharmacal Co. No. 17,016; May 13; Gaz. vol. 190; p. 546.
- "Poppy Brand." (For Ammonia.) E. T. Doyle. No. 16,802; Feb. 11; Gaz. vol. 187; p. 511.
- "Poppy Brand." (For Pickles.) E. T. Doyle. No. 16,803; Feb. 11; Gaz. vol. 187; p. 511.
- "Poppy Brand." (For Prepared Mustard.) E. T. Doyle. No. 16,804; Feb. 11; Gaz. vol. 187; p. 511.
- "Poppy Brand." (For Liquid Bluing.) E. T. Doyle. No. 16,805; Feb. 11; Gaz. vol. 187; p. 511.
- "Poppy Brand." (For Vinegar.) E. T. Doyle. No. 16,806; Feb. 11; Gaz. vol. 187; p. 511.
- "Poppy Brand." (For Tomato Catsup.) E. T. Doyle. No. 16,807; Feb. 11; Gaz. vol. 187; p. 511.
- "Poppy Brand." (For Cotton-Seed Oil.) W. Y. Lawton. No. 16,815; Feb. 11; Gaz. vol. 187; p. 511.
- "Popular Issue." (For Cigars.) Central Cigar Box Co. No. 17,301; Oct. 28; Gaz. vol. 195; p. 1048.
- "Prairie State." (For Cigars.) P. Wachter. No. 17,366; Nov. 18; Gaz. vol. 196; p. 802.
- "Premier." (For Brooms.) Premier Broom & Brush Co. No. 17,373; Nov. 25; Gaz. vol. 196; p. 1050.
- "Premier Pure, The Whiskey for Family Use." (For Whisky.) P. R. Lancaster & Company. No. 17,229; Sept. 23; Gaz. vol. 194; p. 950.
- "Preserves Wood Everywhere Against Decay." (For Averanus Carbolineum Wood Preservative.) Carbolineum Wood Preserving Company. No. 17,224; Sept. 23; Gaz. vol. 194; p. 950.
- "Pride of Porto Rico, The Coffee with the Coffee Taste." (For Coffee.) Fritze, Lundt & Co., Succs. No. 16,941; Apr. 22; Gaz. vol. 189; p. 1030.
- "Prince of Pilsen." (For Beer.) Panhandle Brewing Co. No. 16,904; Apr. 1; Gaz. vol. 189; p. 250.
- "Pro-phy-lac-tic Tooth Brush." (For Tooth-Brushes.) Florence Mfg. Co. No. 17,324; Nov. 4; Gaz. vol. 196; p. 273.
- "Progress Phoenix." (For Cigars.) J. McBride. No. 17,031; May 20; Gaz. vol. 190; p. 791.
- "Progressive Co-operative Coupon." (For Bread.) Progressive Co-operative Assn. No. 17,040; May 27; Gaz. vol. 190; p. 1026.
- "Puncture Cure." (For a Puncture-Curing Compound.) W. Church. No. 16,998; May 13; Gaz. vol. 190; p. 546.
- "Pure Silk Inter woven 50¢." (For Socks.) Interwoven Stocking Company. No. 17,119; July 8; Gaz. vol. 192; p. 515.
- "Purenut Brand." (For Peanut-Butter.) G. A. Reuter. No. 17,034; May 20; Gaz. vol. 190; p. 791.
- "Purest Gaelic." (For Wine.) T. C. McDonough & Son. No. 17,226; Sept. 23; Gaz. vol. 194; p. 950.
- "Purity Spring Water." (For Spring-Water.) G. D. Peabody. No. 16,905; Apr. 1; Gaz. vol. 189; p. 250.
- "Pyramid Brand." (For Figs.) Rosenberg Bros. & Co. No. 17,405; Dec. 9; Gaz. vol. 197; p. 531.
- "Quality Cigars." (For Cigars.) American Lithographic Company. No. 16,995; May 13; Gaz. vol. 190; p. 546.
- "Queen of Sheba." (For Coffee.) The Bour Company. No. 16,875; Mar. 25; Gaz. vol. 188; p. 1050.
- "Queen Quality." (For Beer.) The Deppen Brewing Co. No. 17,062; June 17; Gaz. vol. 191; p. 829.
- "Quick Sale." (For Mops.) Gardner Wire Company. No. 16,741; Jan. 21; Gaz. vol. 186; p. 796.
- "Quick Sale." (For a Polish and Cleanser.) R. B. Calcutt. No. 17,059; June 17; Gaz. vol. 191; p. 829.
- "Quinault." (For Clams.) The Hudson and Gram Co. No. 16,832; Feb. 18; Gaz. vol. 187; p. 827.
- "R K P Brand." (For Pickles.) Pacific Preserve Co. No. 17,268; Oct. 7; Gaz. vol. 195; p. 272.
- "Radam's." (For a Medicinal Preparation.) The William Radam Microbe Killer Company. No. 17,410; Dec. 9; Gaz. vol. 197; p. 531.
- "Radio Active Preparation." (For Capsules, Fabrics, Films, Ointments, Pads, Powders, Salts, Solids, Solutions, Tablets, and Waters.) The American Radio-Thor-"X" Company. No. 16,857; Mar. 11; Gaz. vol. 188; p. 511.

Alphabetical list of labels—Continued.

- "Ralston Wheat Food." (For a Cereal Food.) Ralston Purina Company. No. 17,166; Aug. 5; Gaz. vol. 193; p. 218.
- "Ray." (For Brooms.) Premier Broom & Brush Co. No. 17,374; Nov. 25; Gaz. vol. 196; p. 1050.
- "Raz-za." (For a Concentrated Drink Extract.) L. W. Smith. No. 16,892; Mar. 25; Gaz. vol. 188; p. 1050.
- "Real." (For Cigars.) F. D. Parmer Co. No. 16,888; Mar. 25; Gaz. vol. 188; p. 1050.
- "Red Racer Aeroplane." (For Toy Aeroplanes.) Strauss Manufacturing Company. No. 17,092; June 24; Gaz. vol. 191; p. 1066.
- "Reed's Auto-Lusta." (For Automobile-Polish.) C. E. Reed. No. 17,236; Sept. 23; Gaz. vol. 194; p. 950.
- "Remington U M C." (For Rifles.) Remington Arms and Ammunition Company. No. 16,854; Mar. 4; Gaz. vol. 188; p. 241.
- "Remington U M C." (For Shotguns.) Remington Arms and Ammunition Company. No. 16,855; Mar. 4; Gaz. vol. 188; p. 241.
- "Rex." (For an Antitrust Compound.) A. G. King & Co. No. 16,885; Mar. 25; Gaz. vol. 188; p. 1050.
- "Rhinos." (For Waterproof Clothing.) J. H. Reeves. No. 16,826; Feb. 11; Gaz. vol. 187; p. 511.
- "Rhum Tipo Inglese." (For Rum.) Mariani Bros. No. 17,389; Dec. 9; Gaz. vol. 197; p. 531.
- "Rich Pasture Creamery Butter." (For Butter.) C. H. Hess. No. 16,943; Apr. 22; Gaz. vol. 189; p. 1030.
- "Richardson's Perfect Asbestos Cement." (For Asbestos Furnace-Cement.) Pecora Paint Company. No. 16,842; Feb. 18; Gaz. vol. 187; p. 827.
- "Ricozo." (For Cigars.) John J. Lynch Cigar Co. No. 16,817; Feb. 11; Gaz. vol. 187; p. 511.
- "Riepert's Butter-Milk Bred." (For Bread.) C. J. Riepert. No. 17,306; Oct. 28; Gaz. vol. 195; p. 1048.
- "Right-Dope." (For Cigars.) A. C. Henschel & Co. No. 17,154; Aug. 5; Gaz. vol. 193; p. 218.
- "Rip." (For Cigars.) C. B. Henschel Mfg. Co. No. 17,384; Dec. 9; Gaz. vol. 197; p. 531.
- "Riverside Linen Fine Stationery." (For Stationery.) White & Wyckoff Mfg. Co. No. 17,310; Oct. 28; Gaz. vol. 195; p. 1048.
- "Robert Gray." (For Cigars.) A. C. Henschel & Company. No. 17,249; Sept. 30; Gaz. vol. 194; p. 1139.
- "Robert Watt." (For Cigars.) Andy Dehner Cigar Co. No. 17,381; Dec. 9; Gaz. vol. 197; p. 531.
- "Roberts' Thoroughbred Feverine-Tonic." (For a Remedy for Hog-Cholera.) Edgar Roberts Manufacturing Co. No. 16,865; Mar. 11; Gaz. vol. 188; p. 511.
- "Rogers' Witch Hazel Cream." (For Toilet Cream.) W. G. Rogers. No. 17,297; Oct. 21; Gaz. vol. 195; p. 816.
- "Roman Meal Biscuit." (For Biscuits.) Tacoma Biscuit & Candy Company. No. 16,759; Jan. 21; Gaz. vol. 186; p. 796.
- "Romany Rye." (For Bread.) Pure Food Baking Co. No. 17,136; July 22; Gaz. vol. 192; p. 988.
- "Romola." (For Cigars.) C. B. Henschel Mfg. Co. No. 17,292; Oct. 21; Gaz. vol. 195; p. 816.
- "Royal Arch." (For Cigars.) Petri-Italian-American Cigar Co. No. 17,443; Dec. 30; Gaz. vol. 197; p. 1290.
- "Royal Blue Certified." (For Talking-Machine Needles.) F. C. Henderson Company. No. 17,260; Oct. 7; Gaz. vol. 195; p. 272.
- "Royal Feathers." (For Cigars.) A. C. Henschel & Co. No. 16,883; Mar. 25; Gaz. vol. 188; p. 1050.
- "Royal Japanese Crepe Toilet Paper." (For Toilet-Paper.) Mount Holyoke Tissue Mills. No. 17,173; Aug. 12; Gaz. vol. 193; p. 507.
- "Russian Mixture." (For Smoking-Tobacco.) L. Kaplowitz. No. 17,006; May 13; Gaz. vol. 190; p. 546.
- "Sag-Peru Hair Tonic." (For a Hair-Tonic.) R. J. Martin. No. 17,392; Dec. 9; Gaz. vol. 197; p. 531.
- "Sambuca Purissima." (For Alcoholic Liquors.) Mariani Bros. No. 17,391; Dec. 9; Gaz. vol. 197; p. 531.
- "Samuel's 'Sako' The Effective Pile Treatment." (For an Ointment.) The Samuel Chemical Co. No. 16,792; Feb. 4; Gaz. vol. 187; p. 230.
- "San Rev." (For Cigars.) C. B. Henschel Mfg. Co. No. 17,286; Oct. 21; Gaz. vol. 195; p. 816.
- "San-Tana." (For Cigars.) The O'Flaherty Tobacco Co. No. 17,087; June 24; Gaz. vol. 191; p. 1066.
- "San Toy." (For Toilet-Paper.) Adirondack Tissue Paper Co. No. 16,964; Apr. 29; Gaz. vol. 189; p. 1280.
- "Sandy Hook." (For Toilet-Paper.) Sauquoit Toilet Paper Co. No. 17,180; Aug. 12; Gaz. vol. 193; p. 507.
- "Sangamon Valley Pure Creamery Butter." (For Butter.) Sangamon Valley Creamery Co. No. 16,755; Jan. 21; Gaz. vol. 186; p. 796.
- "Sani-Flush." (For a Powdered Chemical Compound.) The Hygienic Products Company. No. 16,945; Apr. 22; Gaz. vol. 189; p. 1030.
- "Sapsago Cheese Salt." (For Pulverized Sapsago-Cheese.) H. D. Gardy. No. 17,067; June 17; Gaz. vol. 191; p. 829.
- "Satisfaction Sox." (For Socks.) W. M. Alling. No. 17,376; Dec. 9; Gaz. vol. 197; p. 531.
- "Satsuma." (For Toilet-Paper.) Sauquoit Toilet Paper Co. No. 16,923; Apr. 8; Gaz. vol. 189; p. 521.
- "Savex Washing Powder." (For a Washing-Powder.) Sierra Chemical Company. No. 17,360; Nov. 18; Gaz. vol. 196; p. 802.
- "Schbro." (For Tooth-Powder.) Schorn & Brower. No. 17,019; May 13; Gaz. vol. 190; p. 546.
- "Schreiber's Nilo Lager." (For Beer.) A. Schreiber Brewing Company. No. 16,925; Apr. 8; Gaz. vol. 189; p. 521.
- "Schroeder's Tomato Bracer." (For a Nerve Tonic and Invigorator.) J. C. Schroeder. No. 17,435; Dec. 23; Gaz. vol. 197; p. 996.
- "Scottissue." (For Toilet-Paper.) Scott Paper Company. No. 16,827; Feb. 11; Gaz. vol. 187; p. 511.
- "ScotTissue." (For Toilet-Paper.) Scott Paper Co. No. 16,869; Mar. 11; Gaz. vol. 188; p. 511.
- "Scuppernong." (For Wines.) Sweet Valley Wine Co. No. 16,894; Mar. 25; Gaz. vol. 188; p. 1050.
- "Secula." (For Cigars.) The Putnam Cigar Company. No. 17,076; June 17; Gaz. vol. 191; p. 829.
- "Seibert Magic Fly Killer." (For an Insecticide.) H. E. Seibert. No. 17,335; Nov. 4; Gaz. vol. 196; p. 273.
- "Select Blend." (For Cigars.) A. C. Henschel & Co. No. 16,763; Jan. 28; Gaz. vol. 186; p. 985.
- "Selected Sixes." (For Pineapples.) H. B. Kopf. No. 17,179; Aug. 12; Gaz. vol. 193; p. 507.
- "Sellers Guarantee." (For Wearing-Apparel.) G. Rymarczick. No. 17,035; May 20; Gaz. vol. 190; p. 791.
- "Seven-Eleven." (For a Remedy for Chills and Fever.) W. E. Frost. No. 17,066; June 17; Gaz. vol. 191; p. 829.
- "Shabbona Brew." (For Beer.) The Ottawa Brewing Assn. No. 17,178; Aug. 12; Gaz. vol. 193; p. 507.
- "Shepard's House Fly Driver." (For a Preparation for the Extermination of Insects.) J. C. Shepard. No. 17,298; Oct. 21; Gaz. vol. 195; p. 816.
- "Sheridan." (For Cigars.) Sheridan Cigar Co. No. 17,105; July 1; Gaz. vol. 192; p. 214.
- "Shrewsbury Club." (For Blended Whisky.) A. Hirschfeld. No. 17,069; June 17; Gaz. vol. 191; p. 829.
- "Shuroff's Corn Remedy." (For a Corn Remedy.) A. Moscovitz. No. 16,902; Apr. 1; Gaz. vol. 189; p. 250.
- "Silver Threads." (For Violin-Strings.) Southern California Music Company. No. 17,042; May 27; Gaz. vol. 190; p. 1026.
- "Simon Pure Brand." (For Canned Goods.) The Little Bay Packing Co. No. 17,202; Aug. 26; Gaz. vol. 193; p. 1015.
- "Skookum." (For Apples.) Northwestern Fruit Exchange. No. 17,429; Dec. 23; Gaz. vol. 197; p. 996.
- "Slendora-XXX." (For Cigars.) I. Isenberg. No. 16,973; Apr. 29; Gaz. vol. 189; p. 1280.
- "Sliced Bacon." (For Bacon.) H. Barnes. No. 17,281; Oct. 21; Gaz. vol. 195; p. 816.
- "Smith's Island Oyster." (For Oysters.) Smith's Island Oyster Company. No. 17,361; Nov. 18; Gaz. vol. 196; p. 802.
- "Smoke Cigars." (For Cigars.) American Lithographic Company. Nos. 16,967-8; Apr. 29; Gaz. vol. 189; p. 1280.
- "Smoke Cigars." (For Cigars.) American Lithographic Company. Nos. 17,276-8; Oct. 21; Gaz. vol. 195; p. 816.
- "Spanish Boy." (For Cigars.) Palmer Bros. No. 17,134; July 22; Gaz. vol. 192; p. 988.
- "Spanish Casino." (For Cigars.) The Moebie Lithographic Company. No. 17,161; Aug. 5; Gaz. vol. 193; p. 218.
- "Spar Eg-Get Grit." (For Spar Grit.) The Earth Products Co. No. 17,283; Oct. 21; Gaz. vol. 195; p. 816.
- "Spear-Asept." (For Tooth-Paste.) (For Tooth-Paste.) Frates Chemical Co. No. 17,050; June 3; Gaz. vol. 191; p. 290.
- "Spears." (For Adhesive Paste.) National Gum & Mica Company. No. 16,753; Jan. 21; Gaz. vol. 186; p. 796.
- "Special Liqueur." (For Scotch Whisky.) John Dewar & Sons. No. 17,416; Dec. 23; Gaz. vol. 197; p. 996.
- "Special Old Scotch Whisky." (For Scotch Whisky.) John Dewar & Sons. No. 17,418; Dec. 23; Gaz. vol. 197; p. 996.
- "Spot-Off." (For Cleaning Fluid.) A. T. Chegnay. No. 16,782; Feb. 4; Gaz. vol. 187; p. 230.
- "Spring-Step." (For Rubber Heels.) Revere Rubber Company. No. 16,864; Mar. 11; Gaz. vol. 188; p. 511.
- "Square-Mint." (For a Confection.) Square Mint Mfg. Co. No. 16,756; Jan. 21; Gaz. vol. 186; p. 796.
- "Stamp-O-Linen." (For a Stamping-Ink.) C. N. Walker. No. 16,845; Feb. 18; Gaz. vol. 187; p. 827.
- "Standard Sodas." (For Soda.) Standard Soda Stores Corporation. No. 17,139; July 22; Gaz. vol. 192; p. 988.
- "Star Seal." (For Cigars.) A. C. Henschel & Co. No. 17,000; May 13; Gaz. vol. 190; p. 546.
- "Starbright." (For a Compound for Cleaning and Polish-ing.) Howell & Company. No. 17,002; May 13; Gaz. vol. 190; p. 546.

Alphabetical list of labels—Continued.

- "Step Lively." (For a Foot-Balm.) J. Goodman, Inc. No. 17,350; Nov. 18; Gaz. vol. 196; p. 802.
- "Sterling Medium Red Salmon." (For Salmon.) Armour & Company. No. 17,411; Dec. 23; Gaz. vol. 197; p. 996.
- "Stratton's Liver Life." (For a Compound for Torpid Livers.) Stratton Drug Co. No. 17,195; Aug. 19; Gaz. vol. 193; p. 752.
- "Strictly Pure Lard Heart's Delight Farm." (For Lard.) W. H. Miner. No. 16,887; Mar. 25; Gaz. vol. 188; p. 1050.
- "Sulpho-Carbon." (For Disinfectant Compounds.) J. M. Schutz. No. 17,237; Sept. 23; Gaz. vol. 194; p. 950.
- "Sultan Brand." (For Figs.) Rosenberg Bros. & Co. No. 16,844; Feb. 18; Gaz. vol. 187; p. 827.
- "Sultana Fig Chicory Coffee Substitute." (For a Fig-Chicory Coffee Substitute.) J. A. Sibrava. No. 17,210; Sept. 2; Gaz. vol. 194; p. 272.
- "Sun-Kist." (For Seedless Raisins.) The J. K. Armsby Co. No. 16,770; Feb. 4; Gaz. vol. 187; p. 230.
- "Sun-Kist." (For Raspberries.) The J. K. Armsby Co. No. 16,771; Feb. 4; Gaz. vol. 187; p. 230.
- "Sun-Kist." (For Seeded Raisins.) The J. K. Armsby Co. No. 16,772; Feb. 4; Gaz. vol. 187; p. 230.
- "Sun-Kist." (For Strawberries.) The J. K. Armsby Co. No. 16,773; Feb. 4; Gaz. vol. 187; p. 230.
- "Sun-Kist." (For Asparagus.) The J. K. Armsby Co. No. 16,774; Feb. 4; Gaz. vol. 187; p. 230.
- "Sun-Kist." (For Lemon Cling-Peaches.) The J. K. Armsby Co. No. 16,775; Feb. 4; Gaz. vol. 187; p. 230.
- "Sun-Kist." (For Sliced Lemon Cling-Peaches.) The J. K. Armsby Co. No. 16,776; Feb. 4; Gaz. vol. 187; p. 230.
- "Sun-Kist." (For Apricots.) The J. K. Armsby Co. No. 16,777; Feb. 4; Gaz. vol. 187; p. 230.
- "Sun-Kist." (For Bartlett Pears.) The J. K. Armsby Co. No. 16,778; Feb. 4; Gaz. vol. 187; p. 230.
- "Sun-Kist." (For Blackberries.) The J. K. Armsby Co. No. 16,779; Feb. 4; Gaz. vol. 187; p. 230.
- "Sun-Kist." (For Green-Gage Plums.) The J. K. Armsby Co. No. 16,780; Feb. 4; Gaz. vol. 187; p. 230.
- "Sun-Kist." (For Canned Tomatoes.) The J. K. Armsby Co. No. 16,896; Apr. 1; Gaz. vol. 189; p. 250.
- "Sun-Kist." (For Canned Corn.) The J. K. Armsby Co. No. 16,897; Apr. 1; Gaz. vol. 189; p. 250.
- "Sunbright Metal Polish." (For a Polish.) Howell & Company. No. 17,003; May 13; Gaz. vol. 190; p. 546.
- "Sunnyripe." (For Apples.) Western Michigan Development Bureau. No. 16,872; Mar. 11; Gaz. vol. 188; p. 511.
- "Sunnyripe." (For Apples.) Western Michigan Development Bureau. No. 16,927; Apr. 8; Gaz. vol. 189; p. 521.
- "Sunshine Coffee." (For Coffee.) T. S. Affleck. No. 17,368; Nov. 25; Gaz. vol. 196; p. 1050.
- "Super Grade Inter woven Cashmere." (For Socks.) Interwoven Stocking Company. No. 17,113; July 8; Gaz. vol. 192; p. 515.
- "Superior Macaroni Termini Imerese Type." (For Macaroni.) S. Bartolotta & Co. No. 17,184; Aug. 19; Gaz. vol. 193; p. 752.
- "Superiores." (For Cigars.) American Lithographic Company. No. 17,275; Oct. 21; Gaz. vol. 195; p. 816.
- "Suprema." (For Ginger-Ale.) Western Bottling & Extract Co. No. 17,025; May 13; Gaz. vol. 190; p. 546.
- "Supreme Brand Guano." (For Guano.) Morris Fertilizer Company. No. 17,425; Dec. 23; Gaz. vol. 197; p. 996.
- "Supreme Soda." (For Soda Crackers.) The Merchants Biscuit Company. No. 17,057; June 10; Gaz. vol. 191; p. 584.
- "Sweepo." (For Brooms.) Sweepo Broom Company. No. 17,221; Sept. 16; Gaz. vol. 194; p. 743.
- "Sweet-Heart-Cherry." (For a Beverage.) R. L. Wharton. No. 17,079; June 17; Gaz. vol. 191; p. 829.
- "Sweet Magnolia." (For Chewing-Gum.) National Chicle Concern. No. 16,838; Feb. 18; Gaz. vol. 187; p. 827.
- "Sweet Magnolia." (For Pepsin Gum.) National Chicle Concern. No. 16,839; Feb. 18; Gaz. vol. 187; p. 827.
- "Sweet Milk Bread." (For Bread.) A. Block. No. 16,874; Mar. 25; Gaz. vol. 188; p. 1050.
- "Syringa Blossom Candy." (For Candies.) The Mode. No. 17,072; June 17; Gaz. vol. 191; p. 829.
- "Ta-Cu." (For Cigars.) Tampa-Cuba Cigar Company. No. 16,870; Mar. 11; Gaz. vol. 188; p. 511.
- "Tabacos Royales." (For Cigars.) American Lithographic Company. No. 16,969; Apr. 29; Gaz. vol. 189; p. 1280.
- "Table Pride Bread." (For Bread.) C. Rust. No. 17,017; May 13; Gaz. vol. 190; p. 546.
- "Tacusco." (For Cigars.) Tampa-Cuba Cigar Company. No. 16,871; Mar. 11; Gaz. vol. 188; p. 511.
- "Tailfer." (For Cigars.) The Crest Cigar Co. No. 17,061; June 17; Gaz. vol. 191; p. 829.
- "Talcum Powder." (For Powdered Talc.) American Talc Company. No. 17,314; Nov. 4; Gaz. vol. 196; p. 273.
- "Tampa Insurrecto Cigar Co." (For Cigars.) Tampa Insurrecto Cigar Co. No. 16,926; Apr. 8; Gaz. vol. 189; p. 521.
- "Tango." (For Cigars, Cigarettes, and Manufactured Tobacco.) Tango Manufacturing Co. No. 17,124; July 8; Gaz. vol. 192; p. 515.
- "Tasty Pastry Flour." (For Flour.) Hannah & Lay Company. No. 17,110; July 8; Gaz. vol. 192; p. 515.
- "Tea Chest." (For Tea.) Geo. W. Caswell Co. No. 17,225; Sept. 23; Gaz. vol. 194; p. 950.
- "Tech." (For Beer.) Pittsburgh Brewing Company. No. 17,355; Nov. 18; Gaz. vol. 196; p. 802.
- "Ted & Tess." (For Cigars.) W. H. Raab & Sons. No. 17,432; Dec. 23; Gaz. vol. 197; p. 996.
- "Temporized Hand-Played Record." (For Hand-Played Records.) Standard Music Roll Company. No. 16,960; Apr. 22; Gaz. vol. 189; p. 1030.
- "The American Model Builder." (For Mechanical Parts.) The American Mechanical Toy Company. No. 17,058; June 17; Gaz. vol. 191; p. 829.
- "The Beatsall Stove Polish." (For Stove-Polish.) Beatsall Polish Company. No. 17,320; Nov. 4; Gaz. vol. 196; p. 273.
- "The Beer De Luxe." (For Beer.) The Thieme & Wagner Brewing Co. No. 17,362; Nov. 18; Gaz. vol. 196; p. 802.
- "The Davies Dolls Baby Size." (For Dolls.) A. Davies. No. 16,849; Feb. 25; Gaz. vol. 187; p. 1114.
- "The Drink of the Universe, Sunol, Smooth, Snappy, Satisfying." (For a Drink.) C. N. Bourne. No. 17,027; May 20; Gaz. vol. 190; p. 791.
- "The Dry Cleaner and Massager Artgum." (For a Composition of Matter Employed for Cleaning and Massaging.) A. Sommer. No. 17,138; July 22; Gaz. vol. 192; p. 988.
- "The Empire Tablet." (For Writing-Tablets.) Butler Brothers. No. 17,243; Sept. 30; Gaz. vol. 194; p. 1139.
- "The Game of Trump-It." (For Games.) L. S. Brown-ing. No. 17,049; June 3; Gaz. vol. 191; p. 290.
- "The Ideal." (For Handkerchiefs.) Heller & Long. No. 17,438; Dec. 30; Gaz. vol. 197; p. 1290.
- "The Imperial Stripe of Honor." (For Body-Braces.) R. F. MacClemmy. No. 16,886; Mar. 25; Gaz. vol. 188; p. 1050.
- "The Messenger Bread." (For Bread.) Leder & Wechsler. No. 17,296; Oct. 21; Gaz. vol. 195; p. 816.
- "The Miller Sock." (For Socks.) S. S. Miller. No. 17,032; May 20; Gaz. vol. 190; p. 791.
- "The Mission Play Brand." (For Oranges.) San Marino Growers Packing Association. No. 17,358; Nov. 18; Gaz. vol. 196; p. 802.
- "The Monarch Of All Waters." (For Water for Drinking Purposes.) Arrowhead Hot Springs Company. No. 16,846; Feb. 25; Gaz. vol. 187; p. 1114.
- "The Natural Marine Radium Plasma." (For Natural Marine Radium Plasma.) The American Radio-Thor-"X" Company. No. 16,858; Mar. 11; Gaz. vol. 188; p. 511.
- "The New White Heather Handkerchief." (For Handkerchiefs.) A. Harden Company. No. 17,383; Dec. 9; Gaz. vol. 197; p. 531.
- "The Norris." (For Toilet-Paper.) The Peerless Manufacturing Company. No. 16,843; Feb. 18; Gaz. vol. 187; p. 827.
- "The Original Firemen's Brand Cough Syrup." (For a Cough-Syrup.) A. V. Sloan. No. 16,984; Apr. 29; Gaz. vol. 189; p. 1280.
- "The Quality Cigar A Popular Favorite." (For Cigars.) American Lithographic Company. No. 16,965; Apr. 29; Gaz. vol. 189; p. 1280.
- "The R. N. Uniform." (For Uniforms for Nurses.) The Hagedorn-Merz Co. No. 17,131; July 22; Gaz. vol. 192; p. 988.
- "The Reliable." (For Insecticides.) M. E. Phillips. No. 17,074; June 17; Gaz. vol. 191; p. 829.
- "The Saturday Evening Smoke." (For Cigars.) L. J. Staderker. No. 17,238; Sept. 23; Gaz. vol. 194; p. 950.
- "The Shoe That Made Chippewa Famous." (For Shoes.) Mason Shoe Mfg. Co. No. 17,230; Sept. 23; Gaz. vol. 194; p. 950.
- "The Star Border Salt." (For Salt.) Higbie Salt Company. No. 17,293; Oct. 21; Gaz. vol. 195; p. 816.
- "The Whiskey Your Grandfather Used." (For Whisky.) Bernheim Distg. Co. No. 17,412; Dec. 23; Gaz. vol. 197; p. 996.
- "Theodore Stewart's Rye Whisky." (For Whisky.) Theodore Stewart. No. 16,985; Apr. 29; Gaz. vol. 189; p. 1280.
- "Threadeasy." (For Needles.) Northwestern Needle Company. No. 16,979; Apr. 29; Gaz. vol. 189; p. 1280.
- "Three in One, Cushion, Arch, Inner Sole." (For Inner-soles.) The George G. London Manufacturing Company. No. 17,330; Nov. 4; Gaz. vol. 196; p. 273.

Alphabetical list of labels—Continued.

- "Tim Ansberry." (For Cigars.) The Fox Bros. Cigar Company. No. 17,100; July 1; Gaz. vol. 192; p. 214.
- "Titan Brand Salmon Chum." (For Salmon.) Armour and Company. No. 17,316; Nov. 4; Gaz. vol. 196; p. 273.
- "To-Day's Bread." (For Bread.) Chicago Railways Advertising Company. No. 16,928; Apr. 15; Gaz. vol. 189; p. 778.
- "To the Lady of the House: This is a Free Sample of 'Seven Herbs.'" (For a Medicinal Compound.) E. L. D. Turner. No. 17,273; Oct. 7; Gaz. vol. 195; p. 272.
- "Top-Notch." (For Bread.) S. Liberman. No. 16,900; Apr. 1; Gaz. vol. 189; p. 250.
- "Tourist's Tablet." (For Writing-Tablets.) The Arms Mfg. Co. No. 17,377; Dec. 9; Gaz. vol. 197; p. 531.
- "Trading Post." (For Cigars.) Schmidt & Co. No. 17,018; May 13; Gaz. vol. 190; p. 546.
- "Transparentine." (For a Chemical Preparation for Coating Glass Surfaces to Prevent Water from Adhering.) Transparentine Company. No. 17,222; Sept. 16; Gaz. vol. 194; p. 743.
- "Travella." (For Cold-Cream.) J. B. Johnson. No. 17,146; July 29; Gaz. vol. 192; p. 1259.
- "Tru Val." (For Shirts.) M. Koblenzer & Son. No. 16,850; Feb. 25; Gaz. vol. 187; p. 1114.
- "Trust Fund." (For Cigars.) W. J. Armstrong Company. No. 16,796; Feb. 11; Gaz. vol. 187; p. 511.
- "Trust Fund." (For Cigars.) W. J. Armstrong Company. No. 17,280; Oct. 21; Gaz. vol. 195; p. 816.
- "Tuba." (For Citrus Fruits.) J. N. Reynolds. No. 17,357; Nov. 18; Gaz. vol. 196; p. 802.
- "Twin City." (For Butter.) Twin City Creamery Co. No. 16,760; Jan. 21; Gaz. vol. 186; p. 796.
- "Twin Swan." (For Flour.) Riverside Milling Co. No. 16,991; May 6; Gaz. vol. 190; p. 263.
- "Uncle Sam." (For Shirts.) Salant & Salant. No. 16,769; Jan. 28; Gaz. vol. 186; p. 985.
- "Up & Up." (For Cigars.) Smith & Hess. No. 16,868; Mar. 11; Gaz. vol. 188; p. 511.
- "Val dona Cream of Almonds." (For Cream of Almonds.) Druggists' Co-operative Association, Inc. No. 17,247; Sept. 30; Gaz. vol. 194; p. 1139.
- "Val dona Hair Tonic." (For a Hair-Tonic.) Druggists' Co-operative Association, Inc. No. 17,245; Sept. 30; Gaz. vol. 194; p. 1139.
- "Val dona Honeysuckle Cream." (For Honeysuckle Cream.) Druggists' Co-operative Association. No. 17,065; June 17; Gaz. vol. 191; p. 829.
- "Val dona Honeysuckle Cream." (For Honeysuckle Cream.) Druggists' Co-operative Association. Nos. 17,095-6; July 1; Gaz. vol. 192; p. 214.
- "Val dona Liquid Complexion Powder." (For Liquid Complexion-Powder.) Druggists' Co-operative Association. No. 17,097; July 1; Gaz. vol. 192; p. 214.
- "Val dona Perfumes." (For Perfumes.) Druggists' Co-operative Association, Inc. No. 17,246; Sept. 30; Gaz. vol. 194; p. 1139.
- "Val dona Talcum Powder." (For Talcum Powder.) Druggists' Co-operative Assn. No. 17,064; June 17; Gaz. vol. 191; p. 829.
- "Val dona Violet Talcum Powder." (For Talcum Powder.) Druggists' Co-operative Assn. No. 17,063; June 17; Gaz. vol. 191; p. 829.
- "Valley Pride." (For Sugar-Corn.) Minnesota Valley Canning Co. No. 17,394; Dec. 9; Gaz. vol. 197; p. 531.
- "Van Camp's Chicken Soup." (For Soup.) The Van Camp Packing Company. No. 17,094; June 24; Gaz. vol. 191; p. 1066.
- "Van Camp's Chili Con Carne." (For Chilli-Con-Carne.) The Van Camp Packing Company. No. 17,203; Aug. 26; Gaz. vol. 193; p. 1015.
- "Van Camp's Golden Pumpkin." (For Canned Pumpkin.) The Van Camp Packing Company. No. 17,212; Sept. 2; Gaz. vol. 194; p. 272.
- "Van Camp's Hominy." (For Hominy.) The Van Camp Packing Company. No. 17,125; July 8; Gaz. vol. 192; p. 515.
- "Van Camp's Peas." (For Peas.) The Van Camp Packing Company. No. 17,126; July 8; Gaz. vol. 192; p. 515.
- "Van Camp's Plain Pork and Beans." (For Pork and Beans.) The Van Camp Packing Company. No. 17,168; Aug. 5; Gaz. vol. 193; p. 218.
- "Van Camp's Red Kidney Beans." (For Beans.) The Van Camp Packing Company. No. 17,140; July 22; Gaz. vol. 192; p. 988.
- "Van Camp's Sauer Kraut." (For Sauer-Kraut.) The Van Camp Packing Company. No. 17,022; May 13; Gaz. vol. 190; p. 546.
- "Van Camp's Sugar Corn." (For Canned Corn.) The Van Camp Packing Company. No. 17,211; Sept. 2; Gaz. vol. 194; p. 272.
- "Van Camp's Tomato Catsup." (For Tomato Catsup.) The Van Camp Packing Company. No. 17,183; Aug. 12; Gaz. vol. 193; p. 507.
- "Van's Discovery for the Treatment of Warts, Corns and Bunions." (For a Medicine.) H. C. Van Aken. No. 17,167; Aug. 5; Gaz. vol. 193; p. 218.
- "Vapol System." (For Inhaler Outfits.) W. B. Madder. No. 17,172; Aug. 12; Gaz. vol. 193; p. 507.
- "Varied Sweets." (For Varied Sweets.) G. Haas & Sons. No. 17,325; Nov. 4; Gaz. vol. 196; p. 273.
- "Variety Mints." (For Candy.) G. Haas & Sons. No. 17,259; Oct. 7; Gaz. vol. 195; p. 272.
- "Vee Gee Brand." (For Canned Vegetables.) H. von Glahn & Son. No. 17,045; May 27; Gaz. vol. 190; p. 1026.
- "Venetian Crepe." (For Toilet-Paper.) Adirondack Tissue Paper Co. No. 16,962; Apr. 29; Gaz. vol. 189; p. 1280.
- "Venogen." (For a Medicinal Preparation.) L. V. Bates. No. 17,242; Sept. 30; Gaz. vol. 194; p. 1139.
- "Vera Sweet Chocolates." (For Candies.) A. M. Ramer Co. No. 17,433; Dec. 23; Gaz. vol. 197; p. 996.
- "Victor." (For Shirts.) Neely, Harwell & Co. No. 17,073; June 17; Gaz. vol. 191; p. 829.
- "Violet Sec Toilet Water." (For Toilet Water.) Richard Hudnut. No. 17,326; Nov. 4; Gaz. vol. 196; p. 273.
- "Virginia Belle." (For Wines.) Sweet Valley Wine Co. No. 16,895; Mar. 25; Gaz. vol. 188; p. 1050.
- "Vittel Grande Sauce." (For a Mineral Water.) Societe Generale Des Eaux Minerales De Vittel. No. 17,220; Sept. 16; Gaz. vol. 194; p. 743.
- "Vittel Source Salée." (For Mineral Water.) Societe Generale Des Eaux Minerales De Vittel. No. 17,407; Dec. 9; Gaz. vol. 197; p. 531.
- "Vittucci Virgin Olive Oil." (For Olive-Oil.) J. Vittucci. No. 16,935; Apr. 15; Gaz. vol. 189; p. 778.
- "W-O-C." (For a Cereal Food Made of Wheat.) W. Knights. No. 17,155; Aug. 5; Gaz. vol. 193; p. 218.
- "Walter's Best Quality Flour." (For Flour.) J. A. Walter Milling Co. No. 17,409; Dec. 9; Gaz. vol. 197; p. 531.
- "Wang." (For Toilet-Paper.) Adirondack Tissue Paper Co. No. 16,963; Apr. 29; Gaz. vol. 189; p. 1280.
- "Warranted Genuine Inter woven Cashmere 35¢." (For Socks.) Interwoven Stocking Company. No. 17,112; July 8; Gaz. vol. 192; p. 515.
- "Warranted Genuine Inter woven 50¢." (For Socks.) Interwoven Stocking Company. No. 17,117; July 8; Gaz. vol. 192; p. 515.
- "Warranted Genuine Inter woven 35¢." (For Socks.) Interwoven Stocking Company. No. 17,114; July 8; Gaz. vol. 192; p. 515.
- "Warranted Genuine Inter woven Water-proof toe, heel, sole & ankle." (For Socks.) Interwoven Stocking Company. Nos. 17,115-16; July 8; Gaz. vol. 192; p. 515.
- "Waxsipahiti." (For Spring-Water.) New Ulm Bottling Works. No. 17,015; May 13; Gaz. vol. 190; p. 546.
- "Wheat-O." (For Breakfast Food.) E. W. Shadewald. No. 17,359; Nov. 18; Gaz. vol. 196; p. 802.
- "White Label." (For Scotch Whisky.) John Dewar & Sons. No. 17,417; Dec. 23; Gaz. vol. 197; p. 996.
- "White Nougat." (For White Nougat.) Huyler's. No. 16,787; Feb. 4; Gaz. vol. 187; p. 230.
- "White's Chocolate Pepsin Gum." (For Chewing-Gum.) W. J. White Chiclé Co. No. 16,937; Apr. 15; Gaz. vol. 189; p. 778.
- "White's Meadowmint Chewing Gum." (For Chewing-Gum.) W. J. White Chiclé Co. No. 16,906; Apr. 1; Gaz. vol. 189; p. 250.
- "White's Whitemint Chewing Gum." (For Chewing-Gum.) W. J. White Chiclé Co. No. 16,907; Apr. 1; Gaz. vol. 189; p. 250.
- "Wimo." (For Cigars.) C. B. Henschel Mfg. Co. No. 17,288; Oct. 21; Gaz. vol. 195; p. 816.
- "Woe-Tai." (For Tea.) J. T. L. Jones. No. 16,789; Feb. 4; Gaz. vol. 187; p. 230.
- "Wunder Shine Varnish." (For Varnish.) Lion Varnish Company. No. 17,329; Nov. 4; Gaz. vol. 196; p. 273.
- "YLS." (For Hair-Nets.) E. Mittelstaedt. No. 17,103; July 1; Gaz. vol. 192; p. 214.
- "Yazoo Brand Ginger and Gin Cordial." (For Cordial.) Rheinstrom Bros. No. 17,207; Sept. 2; Gaz. vol. 194; p. 272.
- "You Need A Biscuit, Why Not Get the Best In." (For a Biscuit.) A. A. Tump. No. 17,337; Nov. 4; Gaz. vol. 196; p. 273.
- "Zenith Bi-Plane Clasp Envelopes." (For Envelopes.) C. J. Cohen & Son. No. 16,783; Feb. 4; Gaz. vol. 187; p. 230.

PRINTS.

- "A Bird In Every Shell." (For Guns and Ammunition.) Remington Arms-Union Metallic Cartridge Co. No. 3,443; Dec. 16; Gaz. vol. 197; p. 778.
- "A Business Man's Breakfast." (For Wheat Breakfast Food.) Cream of Wheat Co. No. 3,221; Mar. 25; Gaz. vol. 188; p. 1050.
- "A Case of Good Taste, Burkhardt's 'The Genuine.'" (For Beer, Ale, and Porter.) Burkhardt Brewing Company. No. 3,220; Mar. 25; Gaz. vol. 188; p. 1050.
- "A Complete Nourishing Meal." (For Shredded Wheat.) The Shredded Wheat Company. No. 3,411; Nov. 4; Gaz. vol. 196; p. 273.
- "A-Dru-Co." (For a Corn-Remover.) American Drug Co. No. 3,255; May 13; Gaz. vol. 190; p. 546.
- "A Real Lamp with Real Results." (For Incandescent Electric Lamps.) Eastern Electric Lamp Company. No. 3,223; Mar. 25; Gaz. vol. 188; p. 1050.
- "A Run-away Race." (For Chewing-Tobacco.) R. J. Reynolds Tobacco Company. No. 3,365; Sept. 2; Gaz. vol. 194; p. 272.
- "A. T. Schlichting Glassware." (For Glassware.) A. T. Schlichting. Nos. 3,453-4; Dec. 23; Gaz. vol. 197; p. 996.
- "Abandoned." (For Oilless Bearings.) Arguto Oilless Bearing Co. No. 3,414; Nov. 18; Gaz. vol. 196; p. 802.
- "After another Cut of Brown's Mule." (For Chewing-Tobacco.) R. J. Reynolds Tobacco Company. No. 3,375; Sept. 23; Gaz. vol. 194; p. 950.
- "Always give me Brown's Mule." (For Chewing-Tobacco.) R. J. Reynolds Tobacco Company. No. 3,327; July 8; Gaz. vol. 192; p. 515.
- "Anoka." (For Collars.) Cluett, Peabody & Co. No. 3,438; Dec. 9; Gaz. vol. 197; p. 532.
- "Arrow Collars and Shirts." (For Collars and Shirts.) Cluett, Peabody & Company. No. 3,249; May 6; Gaz. vol. 190; p. 263.
- "Arrow Shirts There is an Arrow Shirt for every indoor and outdoor occasion." (For Shirts.) Cluett, Peabody & Company. No. 3,439; Dec. 9; Gaz. vol. 197; p. 532.
- "Arrow Wing Collars with inserted tips." (For Collars.) Cluett, Peabody & Company. No. 3,256; May 13; Gaz. vol. 190; p. 546.
- "Auto-Take." (For a Self-Picture-Taking Device.) R. & S. Mfg. Co. No. 3,175; Jan. 21; Gaz. vol. 186; p. 796.
- "B. V. D. Two Piece Suit." (For Athletic Underwear.) The B. V. D. Company. No. 3,189; Feb. 4; Gaz. vol. 187; p. 230.
- "B. V. D. Union Suit." (For Athletic Underwear.) The B. V. D. Company. No. 3,190; Feb. 4; Gaz. vol. 187; p. 230.
- "Back to Boiler (on arrow)." (For Steam-Traps.) C. W. Brooke. No. 3,171; Jan. 21; Gaz. vol. 186; p. 796.
- "Beat It." (For Mixing-Machines.) National Indicator Company. No. 3,174; Jan. 21; Gaz. vol. 186; p. 796.
- "Best Fitting Gowns are Fastened with Peet's." (For Hooks and Eyes.) Peet Bros. No. 3,359; Aug. 12; Gaz. vol. 193; p. 507.
- "Best Hosiery." (For Hosiery.) Fredk. Viotor & Achells. No. 3,243; Apr. 22; Gaz. vol. 189; p. 1030.
- "Better than a Promise." (For Brass Beds.) Pittsburgh-Hickson Company. No. 3,279; May 27; Gaz. vol. 190; p. 1026.
- "Bien Jolie Brassieres." (For Brassieres.) Benjamin & Johnes. No. 3,293; June 17; Gaz. vol. 191; p. 829.
- "Black Cat Hosiery." (For Hosiery.) Chicago-Kenosha Hosiery Co. No. 3,231; Apr. 8; Gaz. vol. 189; p. 521.
- "Blotter 134." (For Mazda Lamps.) General Electric Company. No. 3,206; Feb. 25; Gaz. vol. 187; p. 1114.
- "Blotter 136." (For Mazda Lamps.) General Electric Company. No. 3,207; Feb. 25; Gaz. vol. 187; p. 1114.
- "Blotter 137." (For Mazda Lamps.) General Electric Company. No. 3,208; Feb. 25; Gaz. vol. 187; p. 1114.
- "Blue-Jay Corn Plasters." (For Corn-Plasters.) Bauer & Black. No. 3,361; Aug. 26; Gaz. vol. 193; p. 1015.
- "Bread is King." (For Bread and Yeast.) The Fleischmann Company. No. 3,269; May 20; Gaz. vol. 190; p. 791.
- "Breakfast's Ready Li'l Missy." (For Wheat Breakfast Food.) Cream of Wheat Co. No. 3,222; Mar. 25; Gaz. vol. 188; p. 1050.
- "Brook Hill." (For Whisky.) The American Art Works. No. 3,306; June 24; Gaz. vol. 191; p. 1066.
- "Brown's Mule Chewing Tobacco—Big Cut 5¢." (For Chewing-Tobacco.) R. J. Reynolds Tobacco Company. No. 3,392; Oct. 21; Gaz. vol. 195; p. 816.
- "Brown's Mule Chewing Tobacco Big Cut 5¢ The Chew for You." (For Chewing-Tobacco.) R. J. Reynolds Tobacco Company. No. 3,247; Apr. 29; Gaz. vol. 189; p. 1280.
- "'Buff' Precise Transit." (For Transits.) Buff & Buff Manufacturing Company. No. 3,283; June 3; Gaz. vol. 191; p. 290.
- "Bulliest pipe and cigarette tobacco you ever put a match to." (For Prince Albert the National Joy Smoke.) R. J. Reynolds Tobacco Company. No. 3,336; July 22; Gaz. vol. 192; p. 988.
- "California Blair." (For an Alcoholic Beverage.) Rosenblatt Co. No. 3,310; June 24; Gaz. vol. 191; p. 1066.
- "Campbell's Soup." (For Soups.) Joseph Campbell Company. Nos. 3,284-9; June 3; Gaz. vol. 191; p. 290.
- "Campbell's Soups." (For Soups.) Joseph Campbell Company. Nos. 3,344-9; July 29; Gaz. vol. 192; p. 1259.
- "Chewed by fans and players." (For Chewing-Tobacco.) R. J. Reynolds Tobacco Company. No. 3,338; July 22; Gaz. vol. 192; p. 988.
- "Chicken Karno." (For Karno.) Workman Packing Company. No. 3,427; Nov. 18; Gaz. vol. 196; p. 802.
- "Christmas Hopes." (For Hosiery.) Interwoven Stocking Company. No. 3,196; Feb. 4; Gaz. vol. 187; p. 230.
- "Clarke's Old Tar Heel Corn Whiskey." (For Tar Heel Corn Whisky.) H. Clarke & Sons. No. 3,321; July 8; Gaz. vol. 192; p. 515.
- "Colgate's Cashmere Bouquet Talc Powder." (For Talc Powder.) Colgate & Co. No. 3,257; May 13; Gaz. vol. 190; p. 546.
- "Colgate's Dactylis Talc." (For Dactylis Talc.) Colgate & Co. No. 3,276; May 27; Gaz. vol. 190; p. 1026.
- "Colgate's Éclat Talc." (For Éclat Talc.) Colgate & Co. No. 3,277; May 27; Gaz. vol. 190; p. 1026.
- "Colgate's Monad Violet Talc." (For Violet Talc.) Colgate & Co. No. 3,275; May 27; Gaz. vol. 190; p. 1026.
- "'Columbia' Cuffturn Shirt." (For Shirts.) New Columbia Shirt Co. No. 3,253; May 6; Gaz. vol. 190; p. 263.
- "Columbian Rope and Commercial Twines." (For Rope and Commercial Twines.) Columbian Rope Co. No. 3,213; Mar. 11; Gaz. vol. 188; p. 511.
- "Concrete Block Catch Basins." (For Concrete-Block Catch-Basins.) J. A. Ross & Co. No. 3,240; Apr. 15; Gaz. vol. 189; p. 778.
- "Cremola Wafers." (For Cremola Wafers.) Yecker Chocolate Company. No. 3,282; May 27; Gaz. vol. 190; p. 1026.
- "D. M. Ferry & Co's Choice Flower Seeds." (For Flower-Seeds.) D. M. Ferry & Co. No. 3,182; Jan. 28; Gaz. vol. 186; p. 985.
- "Dandergone." (For a Hair-Tonic.) R. P. Locklayer. No. 3,271; May 20; Gaz. vol. 190; p. 791.
- "Day & Night, Auto. Signal Device." (For Auto Signal Device.) G. W. Barringer. No. 3,292; June 17; Gaz. vol. 191; p. 829.
- "De Laval Cream Separators." (For Cream-Separators.) The De Laval Separator Company. No. 3,173; Jan. 21; Gaz. vol. 186; p. 796.
- "Deering." (For Harvesting-Machines.) The Hayes Lithographing Company. No. 3,209; Feb. 25; Gaz. vol. 187; p. 1114.
- "Delicious For Any Meal." (For Shredded Wheat.) The Shredded Wheat Company. No. 3,409; Nov. 4; Gaz. vol. 196; p. 273.
- "Delicious Satisfaction is an Edelweiss Attraction." (For Beer.) The Peter Schoenhofen Brewing Company. No. 3,379; Sept. 30; Gaz. vol. 194; p. 1139.
- "Digestit." (For Medicine Tablets.) The Digestit Company. No. 3,318; July 1; Gaz. vol. 192; p. 214.
- "Dix-Make." (For Nurses' and Housemaids' Garments.) Henry A. Dix & Sons Company. No. 3,322; July 8; Gaz. vol. 192; p. 515.
- "Don't Forget Your 'Summer Treat.'" (For a Cereal Food.) The Shredded Wheat Company. No. 3,339; July 22; Gaz. vol. 192; p. 988.
- "Don't Outgrow the Bread and Milk Habit." (For Bread and Yeast.) The Fleischmann Company. No. 3,264; May 20; Gaz. vol. 190; p. 791.
- "Dr. Jones' Sangvin." (For a Vegetable Remedy for Purifying the Blood and Strengthening the Nerves.) M. Spiegel. No. 3,217; Mar. 11; Gaz. vol. 188; p. 511.
- "Drink Pepsi-Cola." (For Pepsi-Cola.) The Pepsi-Cola Company. No. 3,216; Mar. 11; Gaz. vol. 188; p. 511.

Alphabetical list of prints—Continued.

- "Drink Wolfe's Schnapps and keep on the right road." (For Schnapps.) Udolpho Wolfe Company. No. 3,373; Sept. 16; Gaz. vol. 194; p. 743.
- "Dustbane." (For a Preparation Used in Sweeping.) Dustbane Mfg. Co. No. 3,356; Aug. 12; Gaz. vol. 193; p. 507.
- "Eat Bread Made with Fleischmann's Yeast." (For Bread and Yeast.) The Fleischmann Company. No. 3,297; June 17; Gaz. vol. 191; p. 829.
- "Eat Bread Made With Fleischmann's Yeast." (For Bread and Yeast.) The Fleischmann Company. No. 3,417; Nov. 18; Gaz. vol. 196; p. 802.
- "Eat Bread—more Bread." (For Bread and Yeast.) The Fleischmann Company. No. 3,394; Oct. 28; Gaz. vol. 195; p. 1048.
- "Eat more Bread." (For Bread and Yeast.) The Fleischmann Company. No. 3,295; June 17; Gaz. vol. 191; p. 829.
- "Ebling's Extract of Malt & Hops—'A Life Preserver.'" (For Extract of Malt and Hops.) The Ebling Brewing Company. No. 3,357; Aug. 12; Gaz. vol. 193; p. 507.
- "Eddie's Everlasting Black Dye." (For Dye.) E. J. Reilly. No. 3,176; Jan. 21; Gaz. vol. 186; p. 796.
- "Egg Tester Dr." (For an Egg-Tester.) W. Rigling. No. 3,402; Oct. 28; Gaz. vol. 195; p. 1048.
- "1847 Rogers Bros." (For Silverware.) International Silver Company. No. 3,325; July 8; Gaz. vol. 192; p. 515.
- "Everybody's Vacuum Cleaner." (For Vacuum-Cleaners.) R. Straschnow. No. 3,178; Jan. 21; Gaz. vol. 186; p. 796.
- "Everywoman." (For Hose-Supporters.) George Frost Company. No. 3,419; Nov. 18; Gaz. vol. 196; p. 802.
- "Extra Fancy Yakima Valley Fruits." (For Green Fruits.) Yakima Valley Fruit Growers' Ass'n. No. 3,237; Apr. 8; Gaz. vol. 189; p. 521.
- "Falstaff." (For Beer.) The American Art Works. No. 3,188; Feb. 4; Gaz. vol. 187; p. 230.
- "Famed 'Edelweiss' is brewed at home Why from Chicago should you roam." (For Beer.) The Peter Schoenhofen Brewing Company. No. 3,378; Sept. 30; Gaz. vol. 194; p. 1139.
- "Fancy Yakima Valley Fruits." (For Green Fruits.) Yakima Valley Fruit Growers' Association. No. 3,236; Apr. 8; Gaz. vol. 189; p. 521.
- "Fashioned for a barefoot boy." (For Lawn-Mowers.) The Whitman & Barnes Mfg. Co. No. 3,413; Nov. 4; Gaz. vol. 196; p. 273.
- "Fibro Restrains The Air Stops Tire Care." (For a Preparation for Restraining Air in Pneumatic Tires.) Fibro Motor Supply Co. No. 3,244; Apr. 29; Gaz. vol. 189; p. 1280.
- "Fifty Ways to Use Bread." (For Bread and Yeast.) The Fleischmann Company. No. 3,265; May 20; Gaz. vol. 190; p. 791.
- "First Lessons on a Cornish." (For Pianos.) Cornish Co. No. 3,200; Feb. 11; Gaz. vol. 187; p. 511.
- "For a home surprise—send a case of Edelweiss." (For Beer.) The Peter Schoenhofen Brewing Company. No. 3,369; Sept. 16; Gaz. vol. 194; p. 743.
- "Formamint." (For Throat-Tablets.) The Bauer Chemical Co. No. 3,444; Dec. 23; Gaz. vol. 197; p. 996.
- "Forty Winks." (For Wheat Breakfast Food.) Cream of Wheat Co. No. 3,445; Dec. 23; Gaz. vol. 197; p. 996.
- "Garage 1 M." (For Oils.) A. W. Harris. No. 3,302; June 17; Gaz. vol. 191; p. 829.
- "Garwood's Violet Breath Hearts." (For Perfumed Candy Tablets.) Schandeln & Lind Co. No. 3,254; May 6; Gaz. vol. 190; p. 263.
- "Gee! I'm Glad I Have On B. V. D." (For Athletic Underwear.) The B. V. D. Company. No. 3,313; July 1; Gaz. vol. 192; p. 214.
- "Get in the Well-dressed Circle." (For Clothing.) Schwab Clothing Company. No. 3,362; Aug. 26; Gaz. vol. 193; p. 1015.
- "Get the Flavor of the Juicy Fruit." (For Chewing-Tobacco.) R. J. Reynolds Tobacco Company. No. 3,247; Apr. 29; Gaz. vol. 189; p. 1280.
- "Girl Carrying The Bottle." (For Grape-Juice.) Armour and Company. No. 3,432; Dec. 9; Gaz. vol. 197; p. 532.
- "Girl Carrying Tray." (For Grape-Juice.) Armour and Company. No. 3,437; Dec. 9; Gaz. vol. 197; p. 532.
- "Girl Hugging The Bottle." (For Grape-Juice.) Armour and Company. No. 3,433; Dec. 9; Gaz. vol. 197; p. 532.
- "Girl On The Bottle." (For Grape-Juice.) Armour and Company. No. 3,436; Dec. 9; Gaz. vol. 197; p. 532.
- "Girl Taking Bottle Out Of Box." (For Grape-Juice.) Armour and Company. No. 3,435; Dec. 9; Gaz. vol. 197; p. 532.
- "Girl With Bottle On Ice." (For Grape-Juice.) Armour and Company. No. 3,434; Dec. 9; Gaz. vol. 197; p. 532.
- "Give the Children More Bread." (For Bread and Yeast.) The Fleischmann Company. No. 3,191; Feb. 4; Gaz. vol. 187; p. 230.
- "Glover's Dog Remedies." (For Dog Remedies.) H. C. Glover. No. 3,333; July 22; Gaz. vol. 192; p. 988.
- "Good Bakers." (For Bread and Yeast.) The Fleischmann Company. No. 3,296; June 17; Gaz. vol. 191; p. 829.
- "Good Things To Eat." (For Bread and Yeast.) The Fleischmann Company. No. 3,300; June 17; Gaz. vol. 191; p. 829.
- "Gold Coin' Creamery." (For Oleomargarin.) Eckerson Company. No. 3,416; Nov. 18; Gaz. vol. 196; p. 802.
- "Golden Dome The Distinctive Tea." (For Tea.) W. S. Quinby Company. No. 3,229; Mar. 25; Gaz. vol. 188; p. 1050.
- "Greendale 'Red-Rug.'" (For Bricks.) Hocking Valley Products Company. No. 3,389; Oct. 21; Gaz. vol. 195; p. 816.
- "Greendale 'Rug.'" (For Bricks.) Hocking Valley Products Company. No. 3,390; Oct. 21; Gaz. vol. 195; p. 816.
- "Guarantee." (For Cigars.) M. Mink. No. 3,374; Sept. 23; Gaz. vol. 194; p. 950.
- "Hammond's Mistletoe Butterine." (For Butterin.) The G. H. Hammond Co. No. 3,195; Feb. 4; Gaz. vol. 187; p. 230.
- "He does not chew Brown's Mule." (For Chewing-Tobacco.) R. J. Reynolds Tobacco Company. No. 3,451; Dec. 23; Gaz. vol. 197; p. 996.
- "He's a good Baker." (For Bread and Yeast.) The Fleischmann Company. No. 3,299; June 17; Gaz. vol. 191; p. 829.
- "Healthy Children." (For Bread and Yeast.) The Fleischmann Company. No. 3,396; Oct. 28; Gaz. vol. 195; p. 1048.
- "Here's the Case—You be the Judge." (For Beer.) The Peter Schoenhofen Brewing Company. No. 3,371; Sept. 16; Gaz. vol. 194; p. 743.
- "Here's the Real Joy Makin's." (For Smoking-Tobacco.) R. J. Reynolds Tobacco Company. No. 3,376; Sept. 23; Gaz. vol. 194; p. 950.
- "Hicksite-Finished. Insured-Brass." (For Brass Beds.) Pittsburgh-Hickson Company. No. 3,308; June 24; Gaz. vol. 191; p. 1066.
- "Hold-Tight" No. 43. Self Adjustable." (For Hair-Nets.) A. Klar. No. 3,420; Nov. 18; Gaz. vol. 196; p. 802.
- "I don't want the Balance." (For an Egg-Tester.) W. Rigling. No. 3,404; Oct. 28; Gaz. vol. 195; p. 1048.
- "I know a man who is so fat." (For Wheat Breakfast Food.) Cream of Wheat Co. No. 3,332; July 22; Gaz. vol. 192; p. 988.
- "Icy-Hot Bottles and Carafes." (For Heat-Insulated Bottles and Carafes.) The Icy Hot Bottle Company. No. 3,397; Oct. 28; Gaz. vol. 195; p. 1048.
- "In Bread There is Strength." (For Bread and Yeast.) The Fleischmann Company. No. 3,266; May 20; Gaz. vol. 190; p. 791.
- "Inter woven Socks." (For Socks.) Interwoven Stocking Company. No. 3,352; Aug. 5; Gaz. vol. 193; p. 218.
- "It Begins To Look Like We'er Back Numbers, Billy." (For Automobile-Tires.) The Republic Rubber Co. No. 3,210; Feb. 25; Gaz. vol. 187; p. 1114.
- "It makes a laugh." (For Chewing-Tobacco.) R. J. Reynolds Tobacco Company. No. 3,337; July 22; Gaz. vol. 192; p. 988.
- "Ivy' Corset." (For Corsets.) Corset H Company. No. 3,381; Oct. 7; Gaz. vol. 195; p. 272.
- "Jno. Dunlop's Sons." (For Organzine, Trams, Floss, &c.) J. Dunlop's Sons. No. 3,323; July 8; Gaz. vol. 192; p. 515.
- "Julep Mints." (For Julep Mints.) S. H. Robison Co. No. 3,452; Dec. 23; Gaz. vol. 197; p. 996.
- "Ka-Nu Corn Cure." (For Corn-Plasters.) F. N. Lang. No. 3,398; Oct. 28; Gaz. vol. 195; p. 1048.
- "Kayser' Leatherette Gloves." (For Gloves.) Julius Kayser & Co. Nos. 3,383-4; Oct. 7; Gaz. vol. 195; p. 272.
- "Kelly-Springfield Tires 'Made To Make Good.'" (For Rubber Tires.) Kelly-Springfield Tire Co. No. 3,214; Mar. 11; Gaz. vol. 188; p. 511.
- "Kenmore, 'Baltic,' 'Devon,' Arrow Collars." (For Collars.) Cluett, Peabody & Company. No. 3,252; May 6; Gaz. vol. 190; p. 263.
- "Kicking for Brown's Mule." (For Chewing-Tobacco.) R. J. Reynolds Tobacco Company. No. 3,305; June 17; Gaz. vol. 191; p. 829.
- "Kleen Maid Bread." (For Bread.) W. E. Long. No. 3,353; Aug. 5; Gaz. vol. 193; p. 218.
- "Kuz." (For Pepsin Cough-Candy.) N. M. Wiegand. No. 3,259; May 13; Gaz. vol. 190; p. 546.
- "L. C. Hill Economic Garment Holder." (For Garment-Holders.) L. C. Hill. No. 3,169; Jan. 14; Gaz. vol. 186; p. 555.
- "La Salle A Light, Deep Pointed Arrow Collar." (For Collars.) Cluett, Peabody & Company. No. 3,250; May 6; Gaz. vol. 190; p. 263.
- "La Touraine, The Perfect Coffee." (For Coffee.) W. S. Quinby Company. No. 3,234; Apr. 8; Gaz. vol. 189; p. 521.

Alphabetical list of prints—Continued.

- "Lax Links." (For Lax Links.) Boro Sallcine Company. No. 3,230; Apr. 8; Gaz. vol. 189; p. 521.
- "Lemp Lager Bottled Beer." (For Lager Bottled Beer.) Wm. J. Lemp Brewing Co. No. 3,450; Dec. 23; Gaz. vol. 197; p. 996.
- "Like the Juicy Fruit." (For Chewing-Tobacco.) R. J. Reynolds Tobacco Company. No. 3,304; June 17; Gaz. vol. 191; p. 829.
- "Mail Pouch." (For Tobacco.) The Bloch Bros. Tobacco Co. No. 3,180; Jan. 28; Gaz. vol. 186; p. 985.
- "Major Daingerfield's Horse Liniment." (For Horse-Liniment.) E. Daingerfield. No. 3,172; Jan. 21; Gaz. vol. 186; p. 796.
- "Maraschino White Pine From Idaho." (For White-Pine Lumber.) Owen M. Bruner Company. No. 3,273; May 27; Gaz. vol. 190; p. 1026.
- "Marley-Devon. Two Heights in the Modish London Cut-away Fronts." (For Collars.) Cluett, Peabody & Company. No. 3,251; May 6; Gaz. vol. 190; p. 263.
- "Mary Ann! You can just Wait." (For Wheat Breakfast Food.) Cream of Wheat Co. No. 3,294; June 17; Gaz. vol. 191; p. 829.
- "Meat Potatoes Bread." (For Bread and Yeast.) The Fleischmann Company. No. 3,193; Feb. 4; Gaz. vol. 187; p. 230.
- "Mica." (For Axle-Grease.) Standard Oil Company. No. 3,455; Dec. 23; Gaz. vol. 197; p. 996.
- "Milk Maid." (For Bread.) T. W. Russell. No. 3,407; Nov. 4; Gaz. vol. 196; p. 273.
- "Mint Cola." (For a Beverage.) Maysville Syrup Company. No. 3,238; Apr. 15; Gaz. vol. 189; p. 778.
- "More Bread—Less Meat." (For Bread and Yeast.) The Fleischmann Company. No. 3,301; June 17; Gaz. vol. 191; p. 829.
- "Mother Earth's Adopted 'Sun.'" (For Incandescent Lamps.) General Electric Company. No. 3,388; Oct. 21; Gaz. vol. 195; p. 816.
- "Mother's Favorite." (For Flour.) Chas. P. Matthews & Sons. No. 3,307; June 24; Gaz. vol. 191; p. 1066.
- "Mustard." (For Mustard.) S. Abbatecola. No. 3,212; Mar. 11; Gaz. vol. 188; p. 511.
- "New Century Flour 'Best Ever Milled.'" (For Flour.) G. C. Christian & Company. No. 3,168; Jan. 7; Gaz. vol. 186; p. 287.
- "New Departure." (For Coaster-Brakes and Bells.) The New Departure Company. No. 3,228; Mar. 25; Gaz. vol. 188; p. 1050.
- "Newton Coal." (For Coal.) S. H. Robison Co. No. 3,309; June 24; Gaz. vol. 191; p. 1066.
- "No other food so good for you as Bread, *Eat More of It!* The best is made with Fleischmann's Yeast." (For Bread and Yeast.) The Fleischmann Company. No. 3,224; Mar. 25; Gaz. vol. 188; p. 1050.
- "No Worry, No Hurry." (For a Cereal Food.) The Shredded Wheat Company. No. 3,341; July 22; Gaz. vol. 192; p. 988.
- "Nurse's Negligee." (For Shoes.) S. Dalsimer & Sons. No. 3,181; Jan. 28; Gaz. vol. 186; p. 985.
- "Oh! I Done Forgot Dat Cream of Wheat." (For a Wheat Breakfast Food.) Cream of Wheat Co. No. 3,355; Aug. 12; Gaz. vol. 193; p. 507.
- "Oils that Lubricate Most." (For Oils.) Vacuum Oil Company. Nos. 3,328-30; July 8; Gaz. vol. 192; p. 515.
- "Old Ben." (For Coal.) Wilmington Star Mining Company. No. 3,199; Feb. 4; Gaz. vol. 187; p. 230.
- "Old Ben Spiralized Coal." (For Coal.) Old Ben Mining Corporation. No. 3,457; Dec. 30; Gaz. vol. 197; p. 1290.
- "Old Stock Brew Ginger Ale." (For Ginger-Ale.) I. D. Fibel. No. 3,183; Jan. 28; Gaz. vol. 186; p. 985.
- "On the Run." (For Hosiery.) Interwoven Stocking Company. No. 3,446; Dec. 23; Gaz. vol. 197; p. 996.
- "On The Square." (For Springs of All Descriptions.) The Wallace Barnes Company. No. 3,241; Apr. 22; Gaz. vol. 189; p. 1030.
- "On To Stay." (For Eyeglasses.) I. M. Kurtis. No. 3,406; Nov. 4; Gaz. vol. 196; p. 273.
- "^{1st} Bosch Plugs." (For Spark-Plugs.) Bosch Magneto Company. No. 3,272; May 27; Gaz. vol. 190; p. 1026.
- "Our Platform." (For Wheat Breakfast Food.) Cream of Wheat Co. No. 3,387; Oct. 21; Gaz. vol. 195; p. 816.
- "Overland." (For Automobiles.) The Willys-Overland Company. No. 3,456; Dec. 23; Gaz. vol. 197; p. 996.
- "Paulson Medicinal Well Co." (For a Mineral Water.) J. D. Paulson. No. 3,334; July 22; Gaz. vol. 192; p. 988.
- "Pe-Dom-Ic." (For Shoes.) S. Dalsimer & Sons. No. 3,201; Feb. 11; Gaz. vol. 187; p. 511.
- "Phone before Eleven—Delivered before Seven." (For Beer.) The Peter Schoenhofen Brewing Company. No. 3,377; Sept. 30; Gaz. vol. 194; p. 1139.
- "Phone For a Case To Be Sent To Your Place." (For Beer.) The Peter Schoenhofen Brewing Company. No. 3,368; Sept. 16; Gaz. vol. 194; p. 743.
- "Pierce's Brand California Tunny." (For Canned Fish.) C. E. Pierce Co. No. 3,335; July 22; Gaz. vol. 192; p. 988.
- "Playing Hookey." (For Wheat Breakfast Food.) Cream of Wheat Co. No. 3,258; May 13; Gaz. vol. 190; p. 546.
- "Polarine." (For Motor-Oil.) Standard Oil Company. No. 3,431; Nov. 25; Gaz. vol. 196; p. 1050.
- "Priegel's Square Bread." (For Bread.) P. Priegel. No. 3,246; Apr. 29; Gaz. vol. 189; p. 1280.
- "Prince Albert makes a hit with every man—pipe and cigarette." (For Smoking-Tobacco.) R. J. Reynolds Tobacco Company. No. 3,421; Nov. 18; Gaz. vol. 196; p. 802.
- "Prince Albert—the national joy smoke—Kicks a pipe or cigarette grouch out of your system." (For Smoking-Tobacco.) R. J. Reynolds Tobacco Company. No. 3,319; July 1; Gaz. vol. 192; p. 214.
- "Prince Albert—The National Joy Smoke—Makes a hit with a Pipe." (For Smoking-Tobacco.) R. J. Reynolds Tobacco Company. No. 3,290; June 3; Gaz. vol. 191; p. 290.
- "Providence 200 Miles." (For Oils.) A. W. Harris. No. 3,227; Mar. 25; Gaz. vol. 188; p. 1050.
- "Putting on Socks." (For Hosiery.) Interwoven Stocking Company. No. 3,447; Dec. 23; Gaz. vol. 197; p. 996.
- "Raising the Standard." (For Bread and Yeast.) The Fleischmann Company. No. 3,268; May 20; Gaz. vol. 190; p. 791.
- "Reading his fate." (For Hams and Bacon.) Batchelder & Snyder Company. No. 3,415; Nov. 18; Gaz. vol. 196; p. 802.
- "Ready to Hang." (For Curtains.) Columbia Mills. No. 3,351; Aug. 5; Gaz. vol. 193; p. 218.
- "Red Head." (For Spark-Plugs.) Emil Grossman Company. No. 3,324; July 8; Gaz. vol. 192; p. 515.
- "Reilly's Shoe Polish." (For Shoe-Polishes.) E. J. Reilly. No. 3,177; Jan. 21; Gaz. vol. 186; p. 796.
- "Riepert's Butter-Milk Bred." (For Bread.) C. J. Riepert. No. 3,401; Oct. 28; Gaz. vol. 195; p. 1048.
- "Rosilla Paste." (For Candy.) Powell's. No. 3,280; May 27; Gaz. vol. 190; p. 1026.
- "Rumford 'The Wholesome' Baking Powder." (For Baking-Powder.) Rumford Chemical Works. No. 3,441; Dec. 9; Gaz. vol. 197; p. 532.
- "Run 'em out of Town." (For Egg-Testers.) W. Rigling. No. 3,429; Nov. 25; Gaz. vol. 196; p. 1050.
- "S. H. Woodhull & Son, Growers of Choice Varieties of Long Island Cranberries, Riverhead, Long Island, N. Y." (For Cranberries.) S. H. Woodhull & Son. No. 3,360; Aug. 12; Gaz. vol. 193; p. 507.
- "Sanitas." (For a Wall-Covering.) Standard Oil Cloth Company. No. 3,320; July 1; Gaz. vol. 192; p. 214.
- "Saturday Evening Post." (For Collars and Shirts.) Cluett, Peabody & Co. No. 3,428; Nov. 25; Gaz. vol. 196; p. 1050.
- "Scottissue." (For Towels, Table-Covers, and Diapers, All Made of Paper, and Toilet-Paper.) Scott Paper Co. No. 3,423; Nov. 18; Gaz. vol. 196; p. 802.
- "Seneca Cameras." (For Seneca Cameras, for Plates, Film-Pack, Roll-Film.) Seneca Camera Mfg. Co. No. 3,203; Feb. 18; Gaz. vol. 187; p. 827.
- "Shredded Wheat Biscuit." (For Shredded Wheat.) The Shredded Wheat Company. No. 3,410; Nov. 4; Gaz. vol. 196; p. 273.
- "Shredded Wheat Biscuit With Peaches or Other Fruit." (For Shredded Wheat.) The Shredded Wheat Company. No. 3,408; Nov. 4; Gaz. vol. 196; p. 273.
- "Sign of Efficiency." (For Tires.) The Portage Rubber Co. No. 3,366; Sept. 2; Gaz. vol. 194; p. 272.
- "Simplex the short-bosom shirt." (For Short-Bosom Shirts.) United Shirt and Collar Company. No. 3,354; Aug. 5; Gaz. vol. 193; p. 218.
- "Sitting Down." (For Hosiery.) Interwoven Stocking Company. No. 3,448; Dec. 23; Gaz. vol. 197; p. 996.
- "Smile And Feel 'Life's Worth While' In B. V. D." (For Athletic Underwear.) The B. V. D. Company. No. 3,315; July 1; Gaz. vol. 192; p. 214.
- "Snowdrift." (For Snowdrift The Perfect Shortening.) The Southern Cotton Oil Co. Nos. 3,185-7; Jan. 28; Gaz. vol. 186; p. 985.
- "Soft and Sweet." (For Chewing-Tobacco.) R. J. Reynolds Tobacco Company. No. 3,391; Oct. 21; Gaz. vol. 195; p. 816.
- "Solid Service Shoes." (For Shoes.) R. P. Smith & Sons Co. No. 3,372; Sept. 16; Gaz. vol. 194; p. 743.
- "Sozodont." (For a Dentifrice.) Hall & Ruckel. No. 3,184; Jan. 28; Gaz. vol. 186; p. 985.
- "Spring-Step Rubber Heels." (For Rubber Heels.) Revere Rubber Co. No. 3,281; May 27; Gaz. vol. 190; p. 1026.
- "Standard For Over Half A Century." (For Soap and Cleanser.) B. T. Babbitt, Inc. No. 3,179; Jan. 28; Gaz. vol. 186; p. 985.
- "Standard Stores Soda." (For Soda.) Standard Soda Stores Corporation. No. 3,343; July 22; Gaz. vol. 192; p. 988.
- "Sun Proof W. H. W." (For Serge Suits.) W. H. Wanamaker, Jr. No. 3,412; Nov. 4; Gaz. vol. 196; p. 273.

Alphabetical list of prints—Continued.

- "Swift's Premium Hams and Bacon." (For Hams and Bacon.) Swift and Company. No. 3,311; June 24; Gaz. vol. 191; p. 1066.
- "Swift's Silver-Leaf Brand Pure Lard." (For Lard.) Swift and Company. No. 3,218; Mar. 11; Gaz. vol. 188; p. 511.
- "Table-Pride." (For Bread.) C. Rust. No. 3,291; June 3; Gaz. vol. 191; p. 290.
- "Take Out These Bottles and Shake Them." (For Salt.) Worcester Salt Co. No. 3,260; May 13; Gaz. vol. 190; p. 546.
- "Taps." (For a Remedy.) Taps Pharmacal Co. No. 3,235; Apr. 8; Gaz. vol. 189; p. 521.
- "Taste the Flavor." (For Chewing-Tobacco.) R. J. Reynolds Tobacco Company. No. 3,364; Sept. 2; Gaz. vol. 194; p. 272.
- "Thank Colgate & Co." (For Shaving-Powder, Shaving-Stick, and Shaving-Cream.) Colgate & Co. No. 3,405; Nov. 4; Gaz. vol. 196; p. 273.
- "The Barr Baking & Catering Co., Ice Cream and Pastry, Catering at any distance." (For Ice-Cream and pastry.) T. Lange. No. 3,278; May 27; Gaz. vol. 190; p. 1026.
- "The best of all 'Breakfast Foods' is Bread." (For Bread and Yeast.) The Fleischmann Company. No. 3,194; Feb. 4; Gaz. vol. 187; p. 230.
- "The Black Shells." (For Black Ammunition-Shells.) American Lithographic Company. No. 3,170; Jan. 21; Gaz. vol. 186; p. 796.
- "The Brewery will speed it wherever you need it." (For Beer.) The Peter Schoenhofen Brewing Company. No. 3,370; Sept. 16; Gaz. vol. 194; p. 743.
- "The Call of the Bell." (For a Cereal Food.) The Shredded Wheat Company. No. 3,342; July 22; Gaz. vol. 192; p. 988.
- "The Cheer-up Chew Brown's Mule Tobacco." (For Chewing-Tobacco.) R. J. Reynolds Tobacco Company. No. 3,422; Nov. 18; Gaz. vol. 196; p. 802.
- "The Climax Anti Freezing Hopper." (For Hoppers for Water-Closets.) W. W. Kemp. No. 3,303; June 17; Gaz. vol. 191; p. 829.
- "The Cool One Wears B. V. D. Do You?" (For Athletic Underwear.) The B. V. D. Company. No. 3,314; July 1; Gaz. vol. 192; p. 214.
- "The Cozy-Dozy's." (For Pajamas and Night-Shirts.) E. Rosenfeld & Co. No. 3,239; Apr. 15; Gaz. vol. 189; p. 778.
- "The Fag-Free 'Fans' Wear B. V. D." (For Athletic Underwear.) The B. V. D. Company. No. 3,316; July 1; Gaz. vol. 192; p. 214.
- "The Game of Song and Story." (For Games.) G. R. Korne. No. 3,440; Dec. 9; Gaz. vol. 197; p. 532.
- "The Grocers' & Customers' Detective." (For an Egg-Tester.) W. Rigling. No. 3,403; Oct. 28; Gaz. vol. 195; p. 1048.
- "The Harvest of Health." (For Bread and Yeast.) The Fleischmann Company. No. 3,270; May 20; Gaz. vol. 190; p. 791.
- "The 'Health Food' for Children." (For Bread and Yeast.) The Fleischmann Company. No. 3,267; May 20; Gaz. vol. 190; p. 791.
- "The Home of Falstaff." (For Beer.) Wm. J. Lemp Brewing Co. No. 3,226; Mar. 25; Gaz. vol. 188; p. 1050.
- "The 'Lady Jefferson' Girl." (For Shoes.) Burrow, Jones & Dyer Shoe Co. No. 3,242; Apr. 22; Gaz. vol. 189; p. 1030.
- "The 'Lightest' Food." (For Bread and Yeast.) The Fleischmann Company. No. 3,263; May 20; Gaz. vol. 190; p. 791.
- "The Mix-Up." (For a Paint-Mixing Apparatus.) G. Whigelt. No. 3,219; Mar. 11; Gaz. vol. 188; p. 511.
- "The Nation On Its Vacation Wears Cool, Comfortable B. V. D." (For Athletic Underwear.) The B. V. D. Company. No. 3,331; July 22; Gaz. vol. 192; p. 988.
- "The Only Key Ring." (For Key-Rings.) W. M. O'Brien. No. 3,358; Aug. 12; Gaz. vol. 193; p. 507.
- "The President Union Shirt Suit." (For Union Suits.) President Shirt Co. No. 3,385; Oct. 7; Gaz. vol. 195; p. 272.
- "The Railroad Sock." (For Socks.) R. P. Steele & Co. No. 3,424; Nov. 18; Gaz. vol. 196; p. 802.
- "The Real Goods Apple Sun-Cured." (For Chewing-Tobacco.) R. J. Reynolds Tobacco Company. No. 3,326; July 8; Gaz. vol. 192; p. 515.
- "The Ribbon Brand." (For Cigars.) W. B. Sauer Company. No. 3,400; Oct. 28; Gaz. vol. 195; p. 1048.
- "The S. S. S. Girl." (For a Blood Remedy.) The Swift Specific Company. No. 3,442; Dec. 9; Gaz. vol. 197; p. 532.
- "The Submarine Water Heater." (For Water-Heaters.) I. J. O'Malley. No. 3,233; Apr. 8; Gaz. vol. 189; p. 521.
- "The Universal Food." (For Bread and Yeast.) The Fleischmann Company. No. 3,192; Feb. 4; Gaz. vol. 187; p. 230.
- "The Working Man's Friend." (For Bread and Yeast.) The Fleischmann Company. No. 3,393; Oct. 28; Gaz. vol. 195; p. 1048.
- "The World Goes Round." (For Bread and Yeast.) The Fleischmann Company. No. 3,262; May 20; Gaz. vol. 190; p. 791.
- "Them's my sentiments." (For Wheat Breakfast Food.) Cream of Wheat Co. No. 3,232; Apr. 8; Gaz. vol. 189; p. 521.
- "This is John Dough, We've Employed Him to Teach People to Eat More Bread." (For Bread and Yeast.) The Fleischmann Company. No. 3,225; Mar. 25; Gaz. vol. 188; p. 1050.
- "Tiger." (For Cycle-Cars.) W. A. De Schaum. No. 3,382; Oct. 7; Gaz. vol. 195; p. 272.
- "Tobacco that answers every question." (For Smoking-Tobacco.) R. J. Reynolds Tobacco Company. No. 3,386; Oct. 7; Gaz. vol. 195; p. 272.
- "Two Bad Eggs." (For Egg-Testers.) W. Rigling. No. 3,430; Nov. 25; Gaz. vol. 196; p. 1050.
- "U-want-a." (For Identification-Service Checks for Trunks and Suitcases.) American Sales & Service Co. No. 3,312; July 1; Gaz. vol. 192; p. 214.
- "Utz & Dunn Co. Rochester, N. Y." (For Boots and Shoes.) Utz & Dunn Co. No. 3,197; Feb. 4; Gaz. vol. 187; p. 230.
- "Vanquished." (For Vitrified Pipe and other Imperishable Products.) Texarkana Pipe Co. No. 3,425; Nov. 18; Gaz. vol. 196; p. 802.
- "Volcanic Oil Liniment of Dr. J. H. McLean." (For a Liniment.) The Dr. J. H. McLean Medicine Company. No. 3,399; Oct. 28; Gaz. vol. 195; p. 1048.
- "Votes for Women." (For Shredded Wheat.) The Shredded Wheat Company. No. 3,350; July 29; Gaz. vol. 192; p. 1259.
- "Washanew Glacé Kid Gloves." (For Gloves.) J. M. Chanut & Cie. No. 3,274; May 27; Gaz. vol. 190; p. 1026.
- "Wayne Knit." (For Hosiery.) Wayne Knitting Mills. No. 3,211; Feb. 25; Gaz. vol. 187; p. 1114.
- "Wayne Knit Half Hose." (For Half-Hose.) Wayne Knitting Mills. No. 3,380; Sept. 30; Gaz. vol. 194; p. 1139.
- "Wayne Knit Silk Half Hose." (For Half-Hose.) Wayne Knitting Mills. No. 3,363; Aug. 26; Gaz. vol. 193; p. 1015.
- "We Take Your Measure For Finest Made-To-Measure Clothes." (For Clothes.) E. E. Strauss. No. 3,202; Feb. 11; Gaz. vol. 187; p. 511.
- "Welch's Grape Juice." (For Grape-Juice.) The Welch Grape Juice Co. No. 3,198; Feb. 4; Gaz. vol. 187; p. 230.
- "Welch's The National Drink." (For Grape-Juice.) The Welch Grape Juice Co. No. 3,204; Feb. 18; Gaz. vol. 187; p. 827.
- "Wewa." (For Washing-Powders.) R. A. Land. No. 3,215; Mar. 11; Gaz. vol. 188; p. 511.
- "What De' 'Debil' You-All Laughin' At, Anyhow?" (For Wheat Breakfast Food.) Cream of Wheat Co. No. 3,367; Sept. 16; Gaz. vol. 194; p. 743.
- "What do I care for Snow or Sleet, My tummy is full of Cream o' Wheat." (For Wheat Breakfast Food.) Cream of Wheat Co. No. 3,205; Feb. 25; Gaz. vol. 187; p. 1114.
- "What is the Best food." (For Bread and Yeast.) The Fleischmann Company. No. 3,298; June 17; Gaz. vol. 191; p. 829.
- "Whatever the effect." (For Bread and Yeast.) The Fleischmann Company. No. 3,418; Nov. 18; Gaz. vol. 196; p. 802.
- "Who can beat them?" (For Hinges.) Lawson Manufacturing Co. No. 3,449; Dec. 23; Gaz. vol. 197; p. 996.
- "Winchester." (For Firearms and Ammunition.) Winchester Repeating Arms Company. No. 3,426; Nov. 18; Gaz. vol. 196; p. 802.
- "Yecker's Chocolate Nougat Bricks." (For Chocolate.) Yecker Chocolate Company. No. 3,261; May 13; Gaz. vol. 190; p. 546.
- "You Can't Pull Them Off, Euhold." (For Eyeglasses.) E. Klein & Bro. No. 3,245; Apr. 29; Gaz. vol. 189; p. 1280.
- "Your Bread Basket." (For Bread and Yeast.) The Fleischmann Company. No. 3,395; Oct. 28; Gaz. vol. 195; p. 1048.
- "Your Grocer." (For a Cereal Food.) The Shredded Wheat Company. No. 3,340; July 22; Gaz. vol. 192; p. 988.
- "You're 'The Picture of Coolness' In B. V. D." (For Athletic Underwear.) The B. V. D. Company. No. 3,317; July 1; Gaz. vol. 192; p. 214.

DISCLAIMERS.

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| <p>Building-blocks, Machine for manufacturing hollow concrete. F. A. Borst and J. Groscop. No. 12,578, (re-issue;) date of patent Dec. 18, 1906; disclaimer filed Oct. 10, 1913; Gaz. vol. 195; p. 820.</p> <p>Composing-stick. S. A. Neidich. No. 955,534; date of patent Apr. 19, 1910; disclaimer filed Apr. 17, 1913; Gaz. vol. 189; p. 1035.</p> <p>Cutting instrument. F. W. Starr. No. 683,809; date of patent Oct. 1, 1901; disclaimer filed May 12, 1913; Gaz. vol. 190; p. 798b.</p> <p>Display device. A. H. Snelling. No. 898,519; date of patent Sept. 15, 1908; disclaimer filed July 9, 1913; Gaz. vol. 192; p. 747.</p> <p>Dye and making same, Black. O. Mueller. No. 688,478; date of patent Dec. 10, 1901; disclaimer filed Apr. 3, 1913; Gaz. vol. 189; p. 257.</p> <p>Electric apparatus, Vapor. C. O. Bastian and A. E. Salisbury. No. 954,407; date of patent Apr. 5, 1910; disclaimer filed Oct. 17, 1913; Gaz. vol. 195; p. 821.</p> <p>Electric controller. A. Sundh. No. 733,564; date of patent July 14, 1903; disclaimer filed Feb. 10, 1913; Gaz. vol. 187; p. 519.</p> <p>Electrical machines, Brush for. J. W. Dickey. No. 610,705; date of patent Sept. 13, 1898; disclaimer filed May 13, 1913; Gaz. vol. 190; p. 1034.</p> <p>Filing-case drawer. E. Ohnstrand. No. 943,841; date of patent Dec. 21, 1909; disclaimer filed Feb. 24, 1913; Gaz. vol. 188; p. 1.</p> <p>Gear-cutting machine. H. Bilgram. (Reissue.) No. 13,502; date of patent Dec. 31, 1912; disclaimer filed June 21, 1913; Gaz. vol. 192; p. 1.</p> <p>Ice-making apparatus, Artificial-. O. H. Jewell. No. 934,732; date of patent Sept. 21, 1909; disclaimer filed May 15, 1913; Gaz. vol. 190; p. 1034.</p> | <p>Ice, Making artificial. O. H. Jewell. No. 934,972; date of patent Sept. 21, 1909; disclaimer filed May 15, 1913; Gaz. vol. 190; p. 1034.</p> <p>Photographic shutter. A. Wollensak. No. 1,035,762; date of patent Aug. 13, 1912; disclaimer filed Apr. 17, 1913; Gaz. vol. 189; p. 1035.</p> <p>Pump, Centrifugal. R. Salzer. No. 885,867; date of patent Apr. 28, 1908; disclaimer filed July 5, 1913; Gaz. vol. 192; p. 523.</p> <p>Railway-switch-locking mechanism. S. D. Frank. No. 1,045,540; date of patent Nov. 26, 1912; disclaimer filed Apr. 4, 1913; Gaz. vol. 189; p. 529.</p> <p>Rock-drill. A. Palmros. No. 1,052,373; date of patent Feb. 4, 1913; disclaimer filed Sept. 19, 1913; Gaz. vol. 194; p. 955.</p> <p>Saw, Metal-. H. G. Miller and J. L. Gard. No. 671,910; date of patent Apr. 9, 1901; disclaimer filed Apr. 23, 1913; Gaz. vol. 189; p. 1037.</p> <p>Solder-hemmed caps, Machine for making. E. M. Cobb. No. 1,009,474; date of patent Nov. 21, 1911; disclaimer filed Aug. 1, 1913; Gaz. vol. 193; p. 754.</p> <p>Superheater. S. M. Vauclain. No. 1,034,540; date of patent Aug. 6, 1912; disclaimer filed Oct. 31, 1913; Gaz. vol. 196; p. 279.</p> <p>Telephone system. E. E. Yaxley. No. 924,714; date of patent June 15, 1909; disclaimer filed Jan. 3, 1913; Gaz. vol. 186; p. 562.</p> <p>Tires, Supporting and retaining device for spare. W. A. Allen. (Reissue.) No. 13,454; date of patent Aug. 6, 1912; disclaimer filed May 13, 1913; Gaz. vol. 190; p. 798b.</p> <p>Water-purifying apparatus. J. C. W. Greth. No. 775,901; date of patent Nov. 22, 1904; disclaimer filed Nov. 24, 1913; Gaz. vol. 197; p. 243.</p> |
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